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TABLES OF THERMODYNAMIC PROPERTIES OF AIR IN CHEMICAL EQUILIBRIUM INCLUDING SECOND VIRIAL CORRECTIONS FROM 1500°K TO 15,000°K

Joseph Hilsenrath and Max Klein
National Bureau of Standards
Washington, D.C.

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FOREWORD

The work reported herein was done by the National Bureau of Standards, Department of Commerce, Washington, D. C. for the Arnold Engineering Development Center (AEDC), Air Force Systems Command, Arnold Air Force Station, Tennessee under Delivery Orders 40(600)59-24, 40(600)63-136, and 40(600)64-195 and Program Elements 62405334/8950, 895003 and 61405014/8951, 89603.

This report supercedes AEDC-TDR-63-161 which has the same title. It represents a considerable amplification of Table L (the equilibrium concentration of 28 species entering into the calculations are given as mole fractions). Aside from this addition, the thermodynamic properties given here are fully consistent with those in the earlier report. The inclusion of 28 additional numbers for each point on the isotherm required a change in format (it being no longer possible to display all of the information for one temperature on a single page). Advantage was also taken of the opportunity to make a number of minor changes mostly corrections of typographical errors, more precise reference citation, etc.

The authors wish to express their appreciation for the assistance rendered by Mrs. Ruth Varner in carrying through certain modifications of the computer program, and Mrs. Carla G. Messina who is responsible for most of the figures and for the performance of many side calculations incidental to checking out the main computing program. We are indebted to Mr. Adolf R. Hochstim for permission to reproduce an excerpt from his forthcoming publication on theoretical calculations of thermodynamic properties of air; to Mr. Lester Haar for supplying unpublished values of ideal-gas thermodynamic functions for certain species; and to Dr. Harold W. Woolley for invaluable support, cooperation, and advice, over a period of years.

A qualified requester may obtain a copy of all material tabulated in Table L on IBM tape from DCS/Research, AEDC.

This report has been reviewed and is approved.

Terry L. Hershey
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ABSTRACT

Tables for the thermodynamic properties for air are presented which take into account the effect of dissociation and ionization and the limiting-law Debye-Hückel and second virial corrections upon the thermodynamic properties and the equilibrium compositions. Values are tabulated from 1500°K in steps of 100°K to 15,000°K at close spacings in the logarithm of the density [$\log_{10} \rho/\rho_o$ = -7.(0.2)2.2] for the compressibility factor Z = PV/RT; the dimensionless functions for: internal energy, E/RT; enthalpy, H/RT; entropy, S/R X_i; $\log_{10}$ P (atm) and $Z^* = \Sigma C_i$. The underlying equations and the input data are discussed briefly. The effects of the real gas corrections on the equilibrium properties are illustrated graphically. The equilibrium composition is given for selected temperatures over the tabulated density range. The wide range of temperatures and densities over which the thermodynamic properties have been tabulated make the tables useful in a variety of engineering design and test programs, and in scientific research and development.

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SECTION I
INTRODUCTION

This report represents the third NBS approximation to the thermodynamic properties of air in chemical equilibrium at temperatures below 15,000°K. The tables differ from those in the previous report (Ref. 1) in the following respects:

1. The tables now include the limiting-law Debye-Hückel corrections in both the equilibrium compositions and the gross properties.
2. The tables include the second virial effects (on both the equilibrium compositions and gross properties) for interactions between neutral-neutral species and ion-neutral species.
3. The thermodynamic functions for the diatomic molecules and molecule ions N_2, O_2, NO, N_2^+, O_2^+, NO^+ above 5000°K are taken from new unpublished calculations of L. Haar. Aside from these changes the thermodynamic functions are essentially those used in Ref. 1.

The program used here for computing the equilibrium compositions and properties is a modification of that given by Hilsenrath, Klein, and Sumida (Ref. 3). The modifications were made primarily to accommodate the limiting-law Debye-Hückel and second virial corrections. These corrections have the effect of making the equilibrium constants density dependent. They are based on the detailed formulation of the thermodynamic properties of partially ionized gases by H. W. Woolley (Ref. 4).

In the sections which follow, the formulation of the properties of a dissociated and ionized gaseous mixture made up of ideal gases is discussed first. The various real-gas effects which are here considered are then applied either as factors or as additive terms to the ideal representation. Among other things this treatment permits the preservation of much of the calculation flow and logic of the ideal-gas computer program. This involves no loss of generality and makes it easier to add still further corrections in the future.

SECTION II
EQUILIBRIUM IN HOMOGENEOUS GASEOUS SYSTEMS

The number of moles of molecules, molecule ions, and atomic ions in a gaseous mixture in chemical equilibrium can be written for the ideal mixture in terms of products of the number of moles of certain reference species, C_k, and equilibrium constants, $(K_p)_i$, as follows:

$$C_i = (K_p)_i \left(\frac{T}{T_o}\right)^{-\omega_i} \left(\frac{\rho}{\rho_o}\right)^{-\omega_i} \prod_k C_k^{r_{ik}} \qquad (1)$$

where

C_k = the number of moles per mole of low temperature air of the reference species (the neutral atoms and electrons in our treatment) k = 1, 2, ...6

C_i = the number of moles per mole of low temperature air of all but the reference species

ρ/ρ_o = the density relative to the density at standard conditions: p_o = 1 atmosphere, T_o = 273.15°K

T = the Kelvin temperature

$-\omega_i = 1 - \Sigma r_{ik}$ = the ret change in the number of particles across the reaction

r_{ik} = the incidence matrix representing the multiplicity of the reference species k present in each ordinary species, i

$(K_p)_i$ = the equilibrium constant for the formation of the ith species from the reference species

The equilibrium constant K_p is computed from the relation

$$K_p = e^{-\Delta F^\circ/RT}$$

where ΔF° is the change in the Gibbs free energy across the reaction.

If we set

$$\bar{K}_i = (K_p)_i \left(\frac{T_o}{T}\right)^{\omega_i} \qquad (2)$$

Eq. (1) can be written as

$$C_i = \bar{K}_i \left(\frac{\rho}{\rho_o}\right)^{-\omega_i} \prod_k C_k^{r_{ik}} \qquad (3)$$

In this equation the equilibrium constant $\bar{K}_i$ is a function of temperature only. Various real gas effects appear as additive corrections to the free energy of the individual constituents or to the energy difference across the reaction. Since these appear as exponents of e (the base of the natural logarithm), the corrections can be written as multiplicative factors (Ref. 4) of the equilibrium constant $\bar{K}_i$. Thus, for

a mixture of real gases in equilibrium at a fixed temperature, the equation

$$C_i = \Gamma_i^{(1)} \Gamma_i^{(2)} \Gamma_i^{(3)} \cdots \Gamma_i^{(n)} \bar{K}_i \left(\frac{\rho}{\rho_o}\right)^{-(\nu_i)} \prod_k C_k^{r_{ik}} \qquad (4)$$

provides such real gas corrections to the equilibrium as can be represented by the density dependent gammas. Woolley has formulated such corrections (Ref. 4) for a number of real gas effects. In the present work we have included only two such corrections - the Debye-Hückel limiting-law and the second virial corrections.

For the Debye-Hückel limiting-law effect on the equilibrium concentrations

$$\ln \Gamma_i^{(1)} = \frac{\pi^{1/2} \epsilon^3}{(D k T)^{3/2}} \left(\frac{N_o}{V_o}\right)^{1/2} \left(\frac{\rho}{\rho_o}\right)^{1/2} (Z_i + Z_i^2) \left(\sum_{a=1}^{n+6} Z_a^2 C_a\right)^{1/2}$$

$$= 628145.39 \left(\frac{\rho}{\rho_o}\right)^{1/2} T^{-3/2} (Z_i + Z_i^2) \left(\sum_{a=1}^{n+6} Z_a^2 C_a\right)^{1/2} \qquad (5)$$

where

C_α = the number of moles per mole of any one of the species in the mixture

Z_i = the ionic charge of the ith species in protonic units

ϵ = the electronic charge

D = dielectric constant for air, assumed here as unity

n = number of non-reference species

k = Boltzmann constant

N_o = Avagadro's number

V_o = 22414.6 cm^3/mole

For the second virial correction to the equilibrium concentrations

$$\ln \Gamma_i^{(2)} = \frac{-2}{V_o} \left(\frac{\rho}{\rho_o}\right) \left(\sum_{a=1}^{n+6} C_a B_{ai} - \sum_{k=1}^{6} r_{ik} \sum_{a=1}^{n+6} C_a B_{ak}\right) \qquad (6)$$

where

$B_{\alpha i}$ = the second virial coefficient in units of cm^3/mole for the interaction of the αth with the ith species

$B_{\alpha k}$ = the second virial coefficient (in units of cm^3/mole) for the interaction of the αth species with the kth reference species

Corrections have not yet been incorporated for $\Gamma_i^{(3)}$, $\Gamma_i^{(4)}$, and $\Gamma_i^{(5)}$ which represent the influence on the equilibrium of third and higher virial coefficients, of certain ionic effects, and of the shift of the ionization potential. These corrections are believed to have only a small influence on the thermodynamic properties of the mixture in the temperature and density range covered here.

In addition to the above equations, a gas in equilibrium must also obey one or more mass balance equations, and a charge balance equation. These equations can be written in the above notation as

$$X_k = \sum_{i=1}^{n+5} r_{ik} C_i; \quad k = 1, 2, \cdots, 5 \tag{7}$$

for the conservation of atomic nuclei, and

$$C_{n+6} = -\sum_{i=1}^{n} r_{i6} C_i \tag{8}$$

for the charge balance.

In the above equations X_k represents the maximum possible number of moles of reference species (in this case the number of moles of atoms of each of the elements in the mixture). Values of r_{ik} and X_k are given in Tables B and C for the constituents of air considered in these calculations. The incidence matrix, r_{ik}, given in Table B corresponds to the chemical reactions given in Table A for which Eq. (3) is a representation.

SECTION III
THERMODYNAMIC PROPERTIES OF THE EQUILIBRIUM MIXTURE

The thermodynamic properties of the equilibrium mixture can be computed from the corresponding properties of the individual species (atoms, molecules, atomic and molecular ions, and the electrons) and the number of moles, C_i, of each species in the mixture. To simplify the presentation the thermodynamic properties of the mixture are written in three parts: the

properties of the corrected mixture considering the species as ideal gases; the contribution, Δ_1, of the limiting-law Debye-Hückel effect; and the contribution, Δ_2, of the second virial interactions.

Thus, for one mole of gas at standard conditions (273.15°K, 1 atm) we compute for each value of T and ρ/ρ_o:

the total number of moles per mole of low temperature air,

$$Z^* = \sum_{i=1}^{n+6} C_i \tag{9}$$

the mole fractions,

$$X_i = C_i/Z^* \tag{10}$$

and the compressibility factor,

$$Z = PV/RT = Z^* + \Delta_1 Z + \Delta_2 Z \tag{11}$$

where

$$\Delta_1 Z = \frac{-628145.39}{3} \left(\frac{\rho}{\rho_o}\right)^{1/2} T^{-3/2} \left(\sum_{i=1}^{n+6} Z_i^2 C_i\right)^{3/2} \tag{12}$$

and

$$\Delta_2 Z = \frac{1}{V_o} \left(\frac{\rho}{\rho_o}\right) \sum_{\alpha=1}^{n+6} \sum_{\beta=1}^{n+6} C_\alpha C_\beta B_{\alpha\beta} \tag{13}$$

In the right-hand side of Eq. (12), Z_i is the ionic charge of the ith species in protonic units. In Eq. (13), $V_o = 22414.6$ cm^3/mole, C_α and C_β are the number of moles of the species α and β and $B_{\alpha\beta}$ is the second virial coefficient (in units of cm^3/mole) for their interaction. The program is written to handle pair interactions between all of the species in the mixture. Since practical considerations often limit the availability of virial coefficients for certain interactions, the program permits the inclusion or exclusion of any reaction via an incidence matrix. Further discussion of the virial corrections is given in section 5.0.

The internal energy,

$$E/RT = \sum_{i=1}^{n+6} C_i (E°/RT)_i + \bar{D}/T + \Delta_1 (E/RT) + \Delta_2 (E/RT) \tag{14}$$

where

$(E^o/RT)_i$ = the dimensionless internal energy, $(E^o-E_o^o)/RT$, of the ith species

$\overline{D}$ = the reaction energy discussed in section 4.0

$$\Delta_1 (E/RT) = 3 \Delta_1 Z \tag{15}$$

and

$$\Delta_2 (E/RT) = -\frac{1}{V_o} \left(\frac{\rho}{\rho_o}\right) \sum_{\alpha=1}^{n+6} \sum_{\beta=1}^{n+6} C_\alpha C_\beta T \frac{d B_{\alpha\beta}}{d T} \tag{16}$$

The pressure in atmospheres,

$$P = \frac{Z R T}{V} = \left(\frac{\rho}{\rho_o}\right)\left(\frac{T}{T_o}\right)\frac{Z}{Z_o} \tag{17}$$

The enthalpy,

$$H/RT = E/RT + Z \tag{18}$$

The entropy,

$$\frac{S}{R} = Z^*\left[\sum_{i=1}^{n+6} X_i \left(\frac{S^o}{R}\right)_i - \sum_{i=1}^{n+6} X_i \ln X_i - \ln \left(\frac{P}{P_o}\right)\right]$$

$$+ \Delta_1 \left(\frac{S}{R}\right) + \Delta_2 \left(\frac{S}{R}\right) \tag{19}$$

where

$$\Delta_1 (S/R) = \Delta_1 Z \tag{20}$$

and

$$\Delta_2 \frac{S}{R} = -\frac{1}{V_o} \left(\frac{\rho}{\rho_o}\right) \sum_{\alpha=1}^{n+6} \sum_{\beta=1}^{n+6} C_\alpha C_\beta \left(B_{\alpha\beta} + T \frac{d B_{\alpha\beta}}{d T}\right) \tag{21}$$

SECTION IV
DISCUSSION OF THE INPUT DATA

The tables and figures presented in this report result from the solution of the equations given in the previous sections. The calculations, which were performed on an IBM 7090 computer, considered the equilibrium between atoms, molecules, atomic ions, and molecule ions of the elements N, O, A, C, Ne, and the electrons. The 28 species considered in the calculations are shown in Table B. The thermodynamic functions for

the atoms and atomic ions are the same as those used in our earlier calculations. They approximate closely functions obtained by direct summation of the observed atomic energy levels (Ref. 5) up to and including levels for n = 5. The thermal functions for CO, CO_2, N_2, and O_2 were taken from NBS Circular 564 (Ref. 6) up to 5000°K.

The thermodynamic functions for the diatomic molecules N_2, O_2, and NO above 5000°K and the molecule ions N_2^+, O_2^+, and NO^+ over the entire range are from unpublished calculations by L. Haar who has reinvestigated the treatment for the diatomic molecules at high temperature and has carried out new calculations at close temperature spacings. These functions represent improvements over the earlier values published for these substances by Beckett and Haar (Ref. 7).

The thermodynamic functions for NO_2 and N_2O and the extension to higher temperatures for CO and CO_2 were computed from the harmonic oscillator approximation. The thermodynamic functions for O_2^- are from unpublished calculations based on constants extrapolated from halogen oxides (Ref. 8).

The reaction energies - dissociation energy, heat of formation, electron affinity, or ionization potential - for the 28 species in air are given in temperature units in the last column of Table B. These are in substantial agreement with values used by Gilmore (Ref. 2) and Hochstim (Ref. 9). The equilibrium constants, computed from these values and the ideal gas free energies, are given together with the internal energy and entropy for selected temperatures in Table E. Here the internal energies for the molecules, the molecule ions, and the atomic ions have been referred to a common reference - that of the energy ($E_0^\circ = 0$) of the atoms at absolute zero. It should be noted that this choice would give a negative internal energy for the mixture at low temperatures - before appreciable dissociation has set in. For this reason the term $\bar{D}/T$ has been added to Eq. (14) to restore the reference energy of the mixture to that for the molecules. Here $\bar{D} = \Sigma X_i D_i/R$ where the D_i are the dissociation energies of the molecules in the mixture and the X_i are their corresponding mole fractions.

The atomic composition shown in Table C is based on the following low temperature composition of air: 0.78084 N_2, 0.20946 O_2, 0.00934 Ar, 0.00033 CO_2, and 0.00003 Ne. This composition corresponds to a molecular weight of 28.967. This value together with the gas constant R = 1.98726 cal/mole°K can be used to convert certain of the dimensionless thermodynamic properties to a specific set of units.

SECTION V
THE SECOND VIRIAL CORRECTIONS

The second virials and their derivatives used for neutral-neutral and ion-neutral pairs are based on empirical pair potentials where available, and otherwise on a combination of theoretical relations and empirical correlations described elsewhere (Ref. 10). For the attractive dispersion-type potentials, the theoretical formulas of Slater and Kirkwood (Ref. 11) or Hornig and Hirschfelder (Ref. 12) were used, but with empirical adjustments where possible. The empirically known geometric mean combination rule has also been used instead of pure theory when application was feasible. A form of Margenau's theoretical induced quadrupole energy (Ref. 13) and the theoretical induction energy were also accepted for ion-neutral pairs.

A semi-empirical correlation of inter-atomic repulsive potentials was based on interatomic Lennard-Jones parameters converted directly from corresponding parameters for molecules. For this conversion, the atomic pair excluded volume was based on an extension (Ref. 10) of Kihara's sphero-cylindrical treatment for diatomic molecules so as to cover also sphero-conical diatomic molecules which are then models for pairs involving diatomic compounds. By this means, atomic exclusion radii were obtained from molecular excluded volumes and internuclear distances within the diatomic molecules. The assumption of additivity of long-range dispersion forces between atoms of separate molecules then led to a selection of non-bonding atom-atom energy parameters with the help in some cases of extensions of familiar combination rules commonly used for mixtures. A good correlation of the resulting coefficients of the inverse twelfth repulsion energy term was obtained by converting to a basis conforming to the exponent for Slater wave functions, with the internal shielding essentially as given by Slater's rules.

The numberical values for the second virial coefficients, and derivatives, for the various pairs of interest have been taken from the same source (Ref. 10). They were based on a specialization from a general polyreciprocal potential to the particular case of a general 12, 6, 4 potential approximately covering ion-neutral and neutral-neutral pair effects. The interactions considered in these calculations are shown in the incidence matrix in Table F. The virial coefficients and temperature derivatives for certain selected temperatures are given in Table G. In computing the corrections to the properties (Eqs. (13), (16), (21)), the program was arranged to consider the contribution of the included pairs when the product $C_\alpha \times C_\beta$ exceeded 10^{-40}.

SECTION VI
DISCUSSION OF THE TABLES

Table L gives the following thermodynamic properties: the compressibility factor, $Z = PV/RT$; the dimensionless internal energy, E/RT; enthalpy, H/RT; the entropy, S/R; $\log_{10} P\,(atm)$; and the number of moles $Z^* = \Sigma C_i$. The tables are presented at 100-deg intervals from 1500 to 15,000°K. They were computed at uniform intervals (0.2) in $\log_{10} \rho/\rho_o$ from $\rho/\rho_o = 10^{-7}$ to somewhat over 100 times normal density. The densities corresponding to the logarithmic arguments are given in Table D. The compressibility isotherms are shown graphically in Figs. 1a and b.

Unlike the ideal calculations, the tabulated values of Z are the compressibility factors and not the number of moles. These two values are coincident only when gas imperfections are small. The influence of the gas imperfections on the compressibility are shown graphically for selected temperatures in Figs. 2a, et seq., for the second virials and in Fig. 3 for the limiting-law Debye-Hückel effect. It will be observed from Eqs. (15), (18), and (20) that for the limiting-law Debye-Hückel effect the corrections to the internal energy, enthalpy, and entropy are simple multiples of $\Delta_1 Z$. Thus, Fig. 3 can be used to assess this influence on four of the thermodynamic properties tabulated.

The thermodynamic properties presented here result from the solution of equations involving the equilibrium between 28 species shown in Table B. The equilibrium compositions for selected temperatures are shown in Figs. 4a, et seq.

Numerous works have appeared (largely in the form of technical reports) representing various approximations to the thermodynamic properties of air and its constituent gases at high temperatures. The earlier works are discussed or cited by Gilmore (Ref. 2) and in Ref. 1. Some of the more recent results for a number of gases have been compared in a detailed review by Rudin and Ragent (Ref. 14), and those for air by Hochstim, in a comprehensive treatment (Ref. 9) of closed form solutions for the equilibrium calculations for air. Part 1 of that work seems suitable to supplement this report and is reproduced herein as Appendix I with the permission of the author, Pergamon Press, and the Advisory Group for Aeronautical Research and Development. In view of the scope of the treatment in Appendix I, this report is confined to a comparison of the present results for the imperfection corrections with those in Ref. 15, the only other work we have seen which attempts such corrections.

As indicated earlier the basic input data from which the present tables were computed are, with the exception of small differences, consistent with the input used in certain earlier works (Refs. 1 and 2). For example, the neglect of O_3 and CN in our present calculations does not influence the thermodynamic properties tabulated. Gilmore's results show the maximum concentration of ozone to be approximately 10^{-6} moles per mole of air at 5000°K and 10 times normal density (Ref. 2). For CN the largest concentration shown (Ref. 15) is approximately 7.10^{-6} moles per mole of air at 8000°K and 10 times normal density. The concentrations of these species fall off very rapidly with density as well as with temperature. While these and other minor species do not contribute very much to the thermodynamic properties of the mixture, they often play important roles in radiation and other phenomena at high temperatures.

In view of the above, those portions of the present tables where the real gas effects are small should be in good agreement with the work of Gilmore (Ref. 2) and Ref. 1. For this reason the comparisons made in Appendix I of earlier works (Refs. 16, 17, 18, 19, and 20) with those of Gilmore can be considered as comparisons with the ideal portions of the present tables.

The magnitude of the real-gas effects considered here can best be ascertained from Figs. 2a, et seq., and 3, and from Table H which gives the property differences, exclusive of the shift of the equilibrium compositions resulting from the Debye-Hückel and the second virial corrections.

The second virial corrections $\Gamma_i^{(2)}$, to the equilibrium constants (and hence to the concentrations of the species present) are greater than unity for all non-reference species. This effect increases the equilibrium constants, thereby favoring the formation of the molecules and ions over that of the neutral atoms. These effects appear most dramatically in the elevated temperatures region only at high densities where the ions persist. The influence of the virials on the concentrations of the ions is seen first in Fig. 4b. This influence becomes more pronounced at higher temperatures until, at 12,000°K (Fig. 4d) and above, sharp minima occur in the concentration curves for the atomic ions. Corresponding increases in the concentrations of the molecule ions and the molecules, though present, do not appear so dramatically.

The overall effect of the changes in the concentrations on the properties of the mixture is small, however. The major effect of the gas imperfections as shown in Figs. 2a through d is from the deltas computed in Eq. (13). The same

may be said for the corrections to the internal energy, entropy, etc., given in Eqs. (16) and (21).

As early as 1959 Gilmore carried out a number of spot calculations of the effect of the gas imperfections on the compressibility, internal energy, enthalpy, entropy, and pressure of air (Ref. 15). He computed second and third virial coefficients for "air" as a single substance on the assumption that a Lennard-Jones 6-12 interaction potential with the constants $\epsilon/k = 102^{\circ}K$ and $\sigma = 3.62\text{Å}$ applied. His results for the compressibility factor, Z, as shown in Figs. 2a through c, serve to confirm the general trend of the corrections which are computed in detail here. Although only approximate, the corrections by Gilmore corroborate the assumption that influence of the third virial corrections in the region of between 10 and 100 times normal density is small compared to that of the second virial contribution. Above 100 times normal density the neglect of the third and higher virials is obviously more serious.

The influence of the basic input data on the equilibrium properties has been amply discussed elsewhere (Refs. 1, 2, 9, 15, and 21). While the tables presented here represent a closer approximation to the properties of air than has been computed heretofore, they are by no means the last word. The improvement of the tables depends upon further theoretical formulations for the inclusion of higher ionic and higher virial corrections, as well as a significant increase in knowledge to be gained from a variety of experiments. Much more information is needed on excited states of molecules and molecule ions; on interaction potentials between the neutral and between the charged species present in high temperature gases; and on such data as heats of formation, dissociation energies, ionization potentials, etc.

For a number of reasons it is obvious that the tables are given to one or, in some instances, two places more than is warranted by the uncertainties in the input data. This is done to ensure smoothness for further mathematical manipulations. Although the computer program and the results have been checked in a number of ways, it would be unrealistic to assume that the tables are entirely error free. The authors hope that such errors as remain are small and would appreciate having any remaining errors called to their attention.

The tables presented here provide only one third of the complete ensemble of properties required in modern technology. In addition to these tables it is important to have consistent derived properties including: the specific heats, the specific heat ratio, isentropic expansion coefficient, and sound velocity. Equally important for many applications are tables of

equilibrium properties across normal shocks. In the past, other authors have computed numbers of tables and charts of these properties from Ref. 1 by employing numerical or graphical techniques. These tables and charts now require revision of greater or lesser degree on two counts - the influence of the real-gas corrections at the higher densities, and inaccuracies arising from the numerical differentiation of the energy.

Work is now underway at NBS for the direct calculation of specific heats and the other derived properties, as well as for the properties across normal shocks. Tables of these quantities should be available in late 1965.

REFERENCES

1. Hilsenrath, J., Klein, M., and Woolley, H. W. "Tables of Thermodynamic Properties of Air Including Dissociation and Ionization from 1500°K to 15,000°K." AEDC-TR-59-20, December 1959.

2. Gilmore, F. R. "Equilibrium Composition and Thermodynamic Properties of Air to 24,000°K." The Rand Corporation, RM-1534, August 24, 1955.

3. Hilsenrath, J., Klein, M., and Sumida, D. Y. "Mechanized Computation of Thermodynamic Tables at the National Bureau of Standards. II. The Calculation of the Equilibrium Compositions and Thermodynamic Properties of Dissociated and Ionized Gaseous Systems." Thermodynamic and Transport Properties of Gases, Liquids and Solids, Am. Soc. Mech. Eng., New York, 1959.

4. Woolley, H. W. "Thermodynamic Properties of Gases at High Temperature: I. Chemical Equilibrium among Molecules, Atoms, and Atomic Ions Considered as Clusters." J. Research NBS, Vol. 61, RP2916, 1958, pp. 469-490.

5. Moore, C. E. Atomic Energy Levels. National Bureau of Standards Circular 467, Vol. I, 1947, Supt. of Documents, Government Printing Office, Washington 25, D.C.

6. Hilsenrath, J., Beckett, C. W., Benedict, W. S., et al. Tables of Thermal Properties of Gases. National Bureau of Standards Circular 564 (1955). Reprinted as Tables of Thermodynamic and Transport Properties of Air, etc. Pergamon Press, Oxford, 1960.

7. Beckett, C. W. and Haar, L. Proceedings of the Conference on Thermodynamic and Transport Properties of Fluids. Institution of Mechanical Engineers, London, 1959, pp. 27-33.

8. Woolley, H. W. Unpublished Calculations.

9. Hochstim, A. R. "Theoretical Calculations of Thermodynamic Properties of Air." Fifth AGARD Combustion and Propulsion Colloquium. Pergamon Press, 1963, pp. 3-44.

10. Woolley, H. W. "The Calculation of Thermodynamic Properties of Gases at High Temperatures." AFSWC-TDR-62-21, March 1962.

11. Kirkwood, J. G. "Theory of Atoms with Many Electrons." Physik Zeits, Vol. 33, January 15, 1932, pp. 57-60.

12. Hornig, J. F. and Hirschfelder, J. O. "London Dispersion Forces between Unlike Molecules." Letter in Journal of Chemical Physics, Vol. 20, November 1952, p. 1812.

13. Margenau, H. Philosophy of Science, Vol. 8, 1941, p. 603.

14. Rudin, M. and Ragent, B. "High Temperature Thermodynamic Properties of Selected Gases." Office of Technical Services, Department of Commerce, Washington 25, D.C., ARL 62-358, May 1962.

15. Gilmore, F. R. "Additional Values for the Equilibrium Composition and Thermodynamic Properties of Air." Rand Corporation Report, RM-2328, December 30, 1959.

16. Logan, J. G. and Treanor, C. E. "Tables of Thermodynamic Properties of Air from 3000 to 10,000°K at Intervals of 100°K." Cornell Aeronautical Laboratory, Buffalo, New York, Report BE-A-3, January 1957.

17. Landis, F. and Nilsen, E. "Determination of Thermodynamic Properties by Direct Differentiation Techniques." Progress in International Research on Thermodynamic and Transport Properties. ASME, Academic Press, 1962.

18. Stupochenko, E. V., et al. "Thermodynamic Properties of Air in the Temperature Interval from 1000 to 12,000°K and Pressure Intervals from 0.001 to 1000 Atm." Physical Gasdynamics, Academy of Sciences of U.S.S.R., 1959, pp. 3-38; English translation in J. Amer. Rocket Soc., Vol. 30, 1960, pp. 98-112, and also published by Pergamon Press, 1961.

19. Hochstim, A. R. "Tables of Equilibrium Composition, Thermodynamic and Shock Properties of Air with Additives." General Dynamics/Convair Physics Section Report ZPh-122, December 1, 1961.

20. Wachman J. and Linevsky, M. "The Chemical Composition of Thermodynamic Properties of Air-Carbon Mixtures." General Electric Co., Report R59SD349, April 1959.

21. Neumann, K. K. "Discussion of Errors in the Calculation of Simultaneous Equilibria." Progress in International Research on Thermodynamic and Transport Properties, Academic Press, 1962, pp. 209-217.

APPENDIX I
THEORETICAL CALCULATIONS OF THERMODYNAMIC PROPERTIES OF AIR

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REVIEW OF HIGH-TEMPERATURE EQUILIBRIUM THERMODYNAMIC PROPERTIES OF AIR

During the past six years, considerable effort has been expended in computing the thermodynamic properties of high-temperature dry air. The discussion here will be limited only to treatments based on the high (9.7 eV) value of the dissociation energy of nitrogen, which was overwhelmingly supported by many authors[1-7]. Several of the treatments better known in the U.S.A., but unpublished, will be discussed and then compared with the papers by authors in the U.S.S.R. and Germany.

One of the most elaborate and accurate calculations was done in 1955 by Gilmore[8], who computed species concentrations and first-order thermodynamic properties (internal energy, compressibility, entropy) of high-temperature air, for 11 temperatures ($1000 \leq T \leq 24{,}000^{\circ}K$) and 11 densities ($-6 \leq \log_{10}\rho/\rho_o \leq 1$), using the ideal free energies for 30 constituents in air computed by standard techniques[9-11]. In 1956 Beckett and Haar[13] calculated ideal thermodynamic properties of O_2, O_2^+, N_2, N_2^+, NO, and NO^+ above $5000^{\circ}K$, using for the ground electronic state the Morse potential function and calculating convergent thermodynamic functions of these species through the evaluation of the second virial coefficient by a technique described by Woolley[14]. Thereafter, based on Ref. 13, Hilsenrath and Beckett[15] issued tables of first-order ideal thermodynamic properties of a high-temperature mixture of 21.153 percent O_2 and 78.897 percent N_2. Their tables contain data for closely spaced temperatures up to $15{,}000^{\circ}K$ and 45 densities. From these tables, Feldman[16] and Korobkin and Hastings[17] prepared Mollier diagrams, and normal shock properties in air were calculated by Feldman[16] and Hochstim[18]. The Hilsenrath and Beckett tables were inverted by numerical interpolation to give values at constant pressure and entropy by Blackwell et al.[19], and fitted numerically by various authors (e.g. Grabau[20]). Hochstim[21] obtained thermodynamic properties of second order (velocity of sound, specific heats, and various isentropic exponents) by numerical differentiation of the Hilsenrath-Beckett tables and by numerical interpolation of various properties at constant entropies. Also in 1957, independently of Hilsenrath and Beckett, Logan and Treanor[22] calculated thermodynamic properties of air (78.0881 percent N_2, 20.9795 percent O_2, and 0.9324 percent A) from 3000 to $10{,}000^{\circ}K$, at closely spaced temperature intervals and for 11 densities, using computational methods for thermodynamic properties of species similar to those of Gilmore but with fewer species; these authors include in their tables the velocity of sound and specific heats.

Hilsenrath, Green, and Beckett[23] also extended the N.B.S. tables (including contributions from radiation) to highly ionized air up to 5 x 10^6 °K for selected values of temperatures. Hilsenrath, Klein, and Woolley[24] reissued more closely spaced tables of first-order thermodynamic properties of air from 1500 to 15,000°K, which include argon and carbon dioxide in the same ratios as used by Gilmore.

The results of Gilmore, Hilsenrath et al., and of Logan and Treanor were obtained for an ideal mixture as a function of temperature and density, and by solving the nonlinear set of algebraic equations involving equilibrium constants and the equations of mass and charge conservations for the normalized concentrations. Recently, Stupochenko et al[27-30], of the U.S.S.R., tabulated molar fractions and thermodynamic properties of air (omitting carbon dioxide) as a function of temperature and pressure. Burhorn and Wienecke[31] in Germany used only a few major species and tabulated partial pressures for air as a function of temperature and pressure; however, their partial pressures often disagree considerably with other tabulations (e.g. Refs. 8 and 39), although the heats of formations and the internal partition functions for diatomic molecules are in good agreement.

In 1958, Hansen[32] derived a very simple closed form solution for high-temperature air, starting with an approximate physical model. He used approximate partition functions for N_2, O_2, N, O, N^+, and O^+ (for the rigid rotator and harmonic oscillator and only the first few electronic levels) and divided the tables of air into three parts: oxygen dissociation régime, nitrogen dissociation régime, and a régime with only ionization of nitrogen where he assumed that the equilibrium constant for the atomic oxygen ionization reaction is approximately the same as for atomic nitrogen ionization. Hansen's method gave different solutions for each régime. The results reproduced closely the compressibility and internal energy as compared with more detailed calculations, especially at lower densities at which nitric oxide is negligible. Hansen obtained solutions as a function of temperature and pressure. Hochstim[33,34] extended Hansen's method to a single continuous solution as a function of temperature and density applicable to the entire dissociation régime of O_2 and N_2. The solution incorporated nitric oxide using a modified form of partition functions for diatomic molecules and diatomic ions, together with closed form expressions for various partial derivatives[35] of concentrations and approximate electron concentrations[34].

In 1958, a new numerical technique was introduced by White, Johnson, and Dantzig of RAND Corporation[36,37]. This technique ("the RAND method") is based on a numerical method

of minimization of the Gibbs free energy, or of the Helmholtz free energy, and one can obtain a solution as a function of either temperature and pressure or temperature and density. Also, one does not need to restrict the form of equations by changing the number of species or reactions. This technique was applied in the computation of tables as a function of pressure and temperature by Feigenbutz[38], also as a function of temperature and density for air and air with additives by Hochstim[39], and for carbon-air mixtures by Wachman and Linevsky[40].

The high-temperature ideal second-order thermodynamic properties (specific heats and velocity of sound) above 1500°K do not smoothly join the lower temperature values (50-3000°K) of Hilsenrath et al.[41], because of neglect of the concentrations of nitric oxide, oxygen and nitrogen and the corresponding partial derivatives. The second-order thermodynamic properties in the transition régime were computed in this paper and are listed in Table 6 and Table 7 [not reproduced in this appendix - Ed.]. This régime was lately approximated by Curtis and Wohlwill[42].

Comparison of the calculations of Gilmore, Hilsenrath et al.[15,24], Logan and Treanor[22], Feigenbutz[38], Hochstim[39], and Predvoditelev, Stupochenko et al.[27-29], shows that the thermodynamic properties agree within 1 percent. The larger discrepancies (up to 4 percent) are in the entropies, as reported by Predvoditelev et al.[27], and in their electron concentration, due to their omission of O^- and O_2^- and to their choice of a rather high value of ionization energy for nitric oxide (9.5 eV vs 9.25 used by Gilmore[8] and Hochstim[39], since the lower value seems to be confirmed[43].

The collision frequency needed for the electromagnetic properties of air was computed by Shkarofsky, Bachynski, and Johnston[44,45] as a function of electron energy. Publications on the normal shock properties of air are very numerous.[8,16,18,46-49]

Species Used in the Calculation of Thermodynamic Properties of Air in Equilibrium
(X used; – not used)

	Reference							
	A	*B*	*C*	*D*	*E*	*F*	*G*	*H*
O_2, N_2, N, O	×	×	×	×	×	×	×	×
NO	×	×	×	×	×	×	×	×
O^+_2, N^+_2, N^+, O^+	×	×	×	×	×	×	×[+]	×
NO^+	×	×	×	×	×	×[•]	–	×
e^-	×	×	×	×	×	×[•]	–	×
O^{++}, N^{++}	×	×	–	×	–	×[•]	×[+•]	–
O^-	×	×	×	×	×	–	–	×
O^-_2	×	–	–	×	–	–	–	×
N^{+++}, O^{+++}, O_3	×	–	–	–	–	–	–	×[•+]
A	×	–	×	×	×	×	–	×
A^+	×	–	–	×	×	×[•]	–	×
A^{++}	×	–	–	×	–	×[•]	–	–
Ne, Ne^+	×	–	–	×	–	–	–	×
C_{gas}, CO, CO_2	×	–	–	×	×	–	–	×
C^+, CO^+	×	–	–	×	×	–	–	×
CN	×[••]	–	–	–	–	–	–	×
NO_2	×	×	–	×	–	–	–	×
N_2O	–	×	–	×	–	–	–	×

•Used only above 6000°K. ••Ref. 38 +Only N^+ and O^+ above 6000°K. No O^+_2, N^+_2. +•N^{++} above 16,000°K. •+O_3 only. [A]Ref. 8a, Gilmore. [B]Ref. 15, Hilsenrath-Beckett. [C]Ref. 22, Logan-Treanor. [D]Ref. 24, Hilsenrath-Klein-Woolley. [E]Ref. 38, Feigenbutz-Solum. [F]Ref. 28, Stupochenko *et al.* [G]Ref. 31, Burhorn-Wienecke. [H]Ref. 39, Hochstim.

Heats of Reaction (Dissociation, Ionization Energies, and Affinities) as Used by Various Authors (in °K)

	References							
	A	*B*	*C*	*D*	*E*	*F*	*G*	*H*
$O_2 \rightleftarrows 2O$	59,368	59,366	59,366	59,366	58,958	59,366	(59,352)	59,368
$N_2 \rightleftarrows 2N$	113,268	113,258	113,220	113,258	113,326	113,258	(113,273)	113,261
$NO \rightleftarrows N + O$	75,505	75,502	75,318	75,502	75,333	75,505	(75,206)	75,506
$NO \rightleftarrows NO^+ + e^-$	107,350	108,835	107,441	108,835	107,352	110,253	—	107,445
$O \rightleftarrows O^+ + e^-$	158,036	159,033	157,993	158,033	158,037	157,036	(158,000)	158,037
$N \rightleftarrows N^+ + e^-$	168,840	168,836	168,740	168,647,5	168,840	168,840	(168,750)	168,652
$O_2 \rightleftarrows O_2^+ + e^-$	142,200	139,843	139,843	141,790	139,847	142,176	—	141,795
$N_2 \rightleftarrows N_2^+ + e^-$	180,082•	180,763	180,763	180,820	180,920	180,864	—	180,825
$N_2O \rightleftarrows 2N + O$	—	—	—	137,209	—	—	—	132,713
$NO_2 \rightleftarrows N + 2O$	111,588	—	—	111,614	—	—	—	111,617
$O_3 \rightleftarrows 3O$	71,625	—	—	—	—	—	—	71,625
$O_2 \rightleftarrows O_2 + e^-$	11,600	—	—	—	—	—	—	9,235
$O^- \rightleftarrows O + e^-$	16,830	16,827	16,247	17,002	16,858	—	—	16,334
$CO \rightleftarrows C_{gas} + O$	128,950	—	—	128,903	128,916	—	—	128,911
$CO_2 \rightleftarrows C_{gas} + 2O$	192,232	—	—	192,233	192,196.5	—	—	192,233
$Cg \rightleftarrows C^+ + e^-$	130,758	—	—	130,663	130,759	—	—	130,667
$CO \rightleftarrows CO^+ + e^-$	162,620	—	—	162,626	162,583	—	—	162,631
$A \rightleftarrows A^+ + e^-$	182,890	—	—	182,885.7	182,890.3	182,890	—	182,890.8
$CN \rightleftarrows Cgas + N$	88,100••	—	—	—	—	—	—	83,087

•Used due to a misprint. ••Ref. 8*b*. ( )—derived. [A]Ref. 8*a*, Gilmore. [B]Ref. 15, Hilsenrath-Beckett. [C]Ref. 22, Logan-Treanor. [D]Ref. 24, Hilsenrath-Klein-Woolley. [E]Ref. 38, Feigenbutz-Solum. [F]Ref. 28, Stupochenko *et al.* [G]Ref. 31, Burhorn-Wiemecke. [H]Ref. 39, Hochstim.

Air Composition and Constants as Used by Various Authors
(molar per cent)

	Reference							
	A	*B*	*C*	*D*	*E*	*F*	*G*	*H*
$\%N_2$	78.084	78.847	78.0881	78.084	78.09	78.08	79.00	78.034
$\%O_2$	20.946	21.153	20.9795	20.946	20.95	20.95	21.00	20.946
%A	0.934	0	0.9324	0.934	0.93	0.97	0	0.937
$\%CO_2$	0.033	0	0	0.033	0.03	0	0	0.033
%Ne	0.003	0	0	0.003	0	0	0	0
Average molecular weight	28.967	28.859	28.962	28.967	28.9664	28.966	28.853	28.967
T_e, °K	273.16	273.16	288.10	273.15	273.16	273.16	—	273.16
P_e (atm)	1	1	1	1	1	1	—	1
(R, cal/mole°K)	1.98717	1.98719	1.98646	—	1.98718	1.98647	—	1.98717
$Z_e = (P_eV_e)/RT_e$	0.99941	0.99949	1	0.99941	1.000	1.000	—	1
$10^3\rho_e$ (g/m³)	1.2931	1.28823	1.223	1.29313	1.29313	1.2923	—	1.2931

[A]Ref. 8a, Gilmore. [B]Ref. 15, Hilsenrath–Beckett. [C]Ref. 22, Logan–Treanor. [D]Ref. 24, Hilsenrath–Klein–Woolley.
[E]Ref. 38, Feigenbutz–Solum. [F]Ref. 28, Stupochenko *et al.* [G]Ref. 31, Burhorn–Wienecke. [H]Ref. 39, Hochstim.

REFERENCES

1. Douglas, A. E. Canad. J. Phys. 30, 302 (1952).

2. Thomas, N., Gaydon, A. G. and Brewer, L. J. Chem. Phys. 20, 369 (1952).

3. Kistiakowsky, G. B., Knight, H. T. and Malin, M. E. J. Chem. Phys. 20, 876 (1952).

4. Farber, M. and Darnell, A. J. J. Chem. Phys. 21, 172 (1953).

5. Wynen, M. H. and Taylor, H. A. J. Chem. Phys. 21, 233 (1953).

6. Hendrie, J. M. J. Chem. Phys. 22, 1503 (1954).

7. Clarke, E. M. Canad. J. Phys. 32, 764 (1954).

8. Gilmore, F. R. (a) Equilibrium Composition and Thermodynamic Properties of Air at 24,000°K, The RAND Corporation, 1700 Main Street, Santa Monica, California, Report RM-1543, 24 August, 1955 and (b) Additional Values for the Equilibrium Composition and Thermodynamic Properties of Air, Report RM-2328, 30 December 1959.

9. Bethe, H. A. The Specific Heat of Air up to 25,000°C, OSRD Report 369, 9 February 1942.

10. Johnston, H. L. et al. Project RF-316 (ONR Project No. NR058005), Ohio State University Research Foundation, Technical Reports No. 4 (O_2) 6 (CO), 9 (N_2) and 10 (NO), 1949-53.

11. Mayer, J. E. and Mayer, M. G. Statistical Mechanics, Wiley, New York (1950).

12. Woolley, H. W. J. Res. Nat. Bur. Stand. (U.S.A.) 52, 289 (1954).

13. Beckett, C. W. and Haar, L. Thermodynamic Properties at High Temperatures: Ideal Gas Thermal Functions to 25,000°K for Diatomic Molecules: Oxygen, Nitrogen, Nitric Oxide and Their Molecular Ions, Proc. of the Joint Conference on Thermodynamic and Transport Properties of Fluids, pp. 27-34, Institution of Mechanical Engineers, London (1957).

14. Woolley, H. Thermodynamic Properties of Gases at High Temperature: Chemical Equilibrium Among Molecules, Atoms, and Atomic Ions Considered as Clusters, J. Res. Nat. Bur. Stand. (U.S.A.) 61, 469 (1958).

15. Hilsenrath, J. and Beckett, C. W. Tables of Thermodynamic Properties of Argon Free Air to 15,000°K, N.B.S. and Arnold Engineering Development Center, Report TN-56-12, AD 98974, MIPR-AEDC-1, September 1956.

16. Feldman, S. Hypersonic Gas Dynamic Charts for Equilibrium Air, AVCO Research Laboratory, Everett, Massachusetts, January 1957.

17. Korobkin, I. and Hastings, S. M. Mollier Chart for Air from 2000 to 15,000°K, U. S. Naval Ordinance Laboratory, White Oak, Maryland, Report 4446 (May 1951).

18. Hochstim, A. R. Gas Properties at Hypersonic Velocities, I. Normal Shocks in Air, Convair-San Diego, Physics Section Report ZPh-002, ASTIA Document No. 134398, January 1957.

19. Blackwell, F. et al. Properties of Argon Free Air, the Ramo-Wooldridge Corporation, P. O. Box 299, Los Angeles 45, California, Report GM-TR-76, October 1956.

20. Grabau, M. A Method of Forming Continuous Empirical Equations for the Thermodynamic Properties of Air from Ambient Temperature to 15,000°K with Applications, Arnold Engineering Development Center, ASTIA Document No 366945, AEDC-TN-59-102, August 1959.

21. Hochstim, A. R. Gas Properties Behind Shocks at Hypersonic Velocities, III. Tables of Thermodynamic Properties of Air, Convair-San Diego, Physics Section Report ZPh-004, 1957, revised 1 August 1958.

22. Logan, J. G. and Treanor, C. E. Tables of Thermodynamic Properties of Air from 3,000 to 10,000°K at Intervals of 100°K, Cornell Aeronautical Laboratory, Buffalo, New York, Report BE-A-3, January 1957.

23. Hilsenrath, J., Green, M. S. and Beckett, C. W. Thermodynamic Properties of Highly Ionized Air, National Bureau of Standards, AFSWC-TR-56-35, ASTIA Document No. 96305, Kirtland Air Force Base, N. M., April 1957.

24. Hilsenrath, J., Klein, M. and Woolley, H. W. Tables of Thermodynamic Properties of Air Including Dissociation and Ionization from 1500 to 15,000°K, National Bureau of Standards OSS-59-24 (AEDC-TR-59-20), December 1959.

25. Nilsen, E. N. and Landis, F. Thermodynamic Properties of Ionized and Dissociated Air from 1500 to 15,000°K, Pratt and Whitney Aircraft Co., East Hartford, Conn., Report 1921, January 1961.

26. Landis, F. and Nilsen, E. Determination of Thermodynamic Properties by Direct Differentiation Techniques in Progress in International Research on Thermodynamic and Transport Properties, ASME, Academic Press (1962).

27. Predvoditelev, A. S., Stupochenko, E. V. et al. Tables of Thermodynamic Functions of Air for Temperature Range of 6000-12,000°K and Pressure Range 0.001-1000 atm, Infosearch Limited, London, 1958.

28. Stupochenko, E. V. et al. Thermodynamic Properties of Air in the Temperature Interval from 1000 to 12,000°K and Pressure Intervals from 0.001 to 1000 atm., in Physical Gasdynamics, pp. 3-38, Academy of Sciences of U.S.S.R. (1959). English translation in J. Amer. Rocket Soc. 30, 98-112 (1960) and also published by Pergamon Press (1961).

29. Predvoditelev, A. S. et al. Tables of Thermodynamic Functions of Air (for Temperatures from 12000°K to 20000°K and Pressures from 0.001 to 1000 atm). Publ. by Academy of Sciences, U.S.S.R., Moscow, 1959 (in Russian).

30. Stupochenko, E. V. et al. Thermodynamic Properties of Air at High Temperatures. Eighth Symposium (International) on Combustion, Williams and Wilkins, Baltimore (1962).

31. Burhorn, F. and Wienecke, R. Composition of Plasma, Density, Enthalpy, and Specific Heats of Nitrogen, Nitric Oxide and Air for 1, 3, 10 and 30 atm, for Temperatures between 1000 and 30,000°K. (in German). Z. Phys. Chem. 215, 269 (1960); 212, 105 (1959).

32. Hansen, F. C. Approximations for Thermodynamic and Transport Properties of High-Temperature Air, NACA Report TN-4150 (March 1958) and revised as NASA Report TNR-50, 1959, Ames Research Center, Moffett Field, California.

33. Hochstim, A. R. Approximations to High Temperature Thermodynamics of Air in Closed Form, in Kinetics, Equilibrium and Performance of High Temperature Systems, Butterworths, Washington and London (1960).

34. Hochstim, A. R. Electron Concentration in Closed Form for High Temperature Air and Air with Additives in Electromagnetic Effects of Re-entry, Pergamon Press, Oxford (1961).

35. Hochstim, A. R. and Adams, B. Closed Form Exact Solutions for the First Partial Derivatives of Concentrations of Chemically Reacting Mixtures in Equilibrium, Specific Heats and Related Quantities, in Progress in International Research on Thermodynamic and Transport Properties, ASME, Academic Press (1962).

36. White, W. B., Johnson, S. M. and Dantzig, G. B., J Chem. Phys. 27, 751 (1958).

37. Kinetics, Equilibrium and Performance of High Temperature Systems, Proceedings of the First Conference, Western States Section, The Combustion Institute, Ed. by G. S. Bahn and E. E. Zukoski, Butterworths, 1960.

38. Feigenbutz, L. and Solum, E. Thermodynamic Properties of Air, Convair-San Diego, Thermodynamics Group, Report ERR-SD-005, April 1960.

39. Hochstim, A. R. Tables of Equilibrium Composition, Thermodynamic and Shock Properties of Air with Additives, General Dynamics/Convair Physics Section Report ZPh-122, 1 December 1961.

40. Wachman, J. and Linevsky, M. The Chemical Composition of Thermodynamic Properties of Air-Carbon Mixtures, General Electric Co., Report R59SD349, April 1959.

41. Hilsenrath, J. et al. Thermal Properties of Gases, National Bureau of Standards Circular 564, 1955, U. S. Dept. of Commerce. Published also as Tables of Thermodynamic and Transport Properties of Air, CO_2, CO, H_2, N_2, O_2, and Steam, Pergamon Press (1960).

42. Curtis, M. W. and Wohlwill, H. E. Thermodynamic Properties of Air from 1000 to 10,600°K and 4500 to 14,800°K Along Contours of Constant Density, Enthalpy and Entropy. Space Technology Laboratories, Inc., P. O. Box 95001, Los Angeles 45, Calif. Report 7102-0012-MU-000, 3 March, 1961 and Report 7102-0012-MU-A01, 21 June 1961.

43. Cloutier, G. G. and Schiff, H. T. J. Chem. Phys. 31, 793 (1959).

44. Shkarofsky, I. P., Bachynski, M. P. and Johnston, T. W. Collision Frequency Associated with High Temperature Air in Electromagnetic Effects of Re-entry, Pergamon Press (1961).

45. Bachynski, M. P., Johnston, T. W. and Shkarofsky, I. P. Electromagnetic Properties of High-Temperature Air, Proc. IRE. 47, 3,347-356 (March 1960).

46. Romig, M. F. J. Aero. Sci. 23, 185 (1956)

47. Rozdestvenskii, I. B. Thermodynamic and Gasdynamic Properties of Air Behind Normal Shock with an Account of Dissociation and Ionization of Air. Article in Physical Gasdynamics, Publ. by Academy of Sciences, U.S.S.R., Moscow 1959 (translated into English by Pergamon Press (1961)).

48. Bachelder, R. A. et al. Normal and Oblique Shock Characteristics at Hypersonic Speeds. Douglas Aircraft Co., Engineering Report No. LB-25599 (Dec. 1957) and Supplement I (Feb. 1959).

49. Gorban, N. F. Determination of Gasdynamic Properties of Flow behind Normal Shock Wave with Correction for Variable Specific Heats and Dissociated Air, Article in Physics Gasdynamics, Published by Academy of Sciences, U.S.S.R., Moscow, 1959 (translated into English by Pergamon Press (1961).

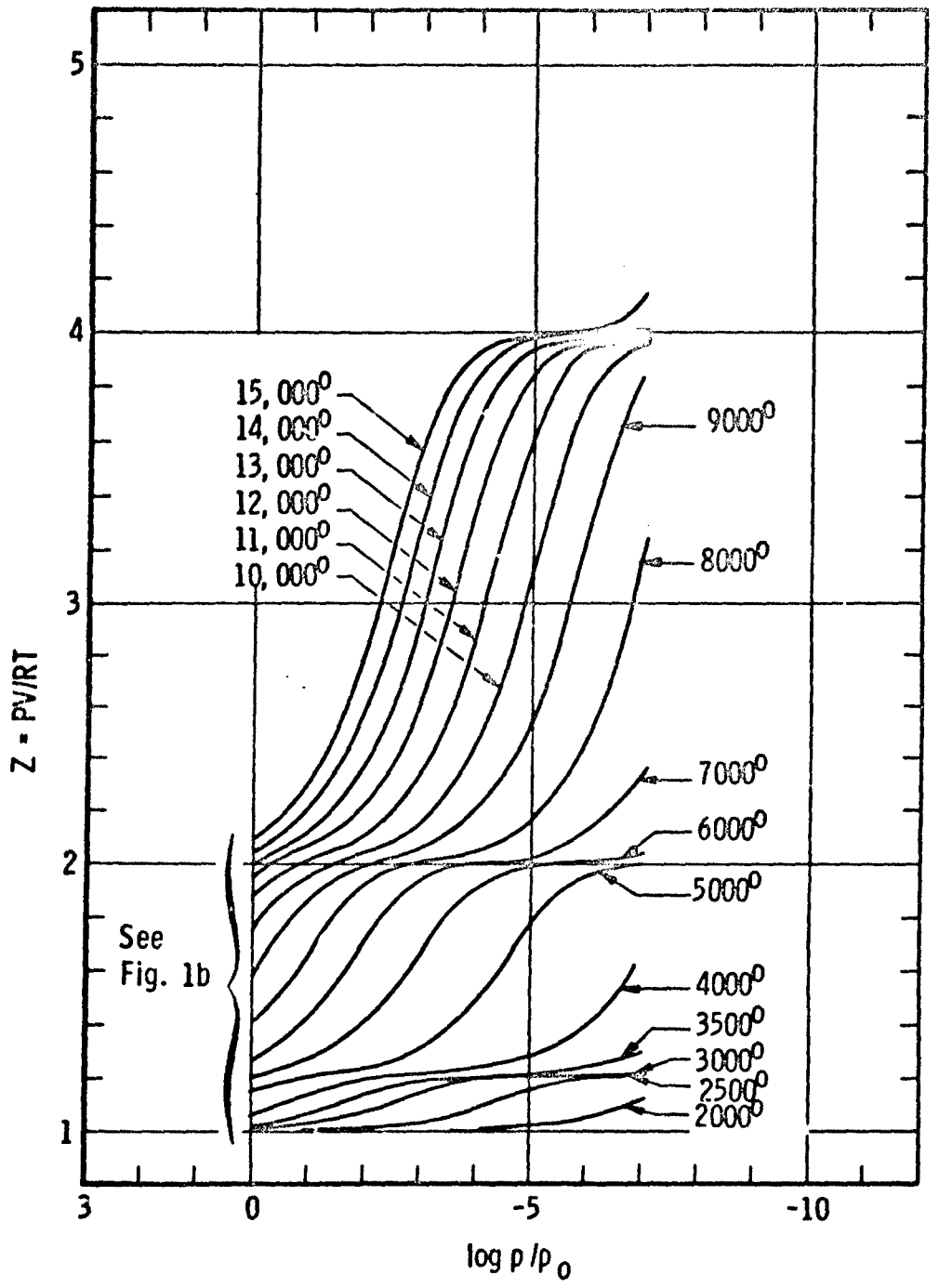


Fig. 1 Compressibility Isotherms for Air

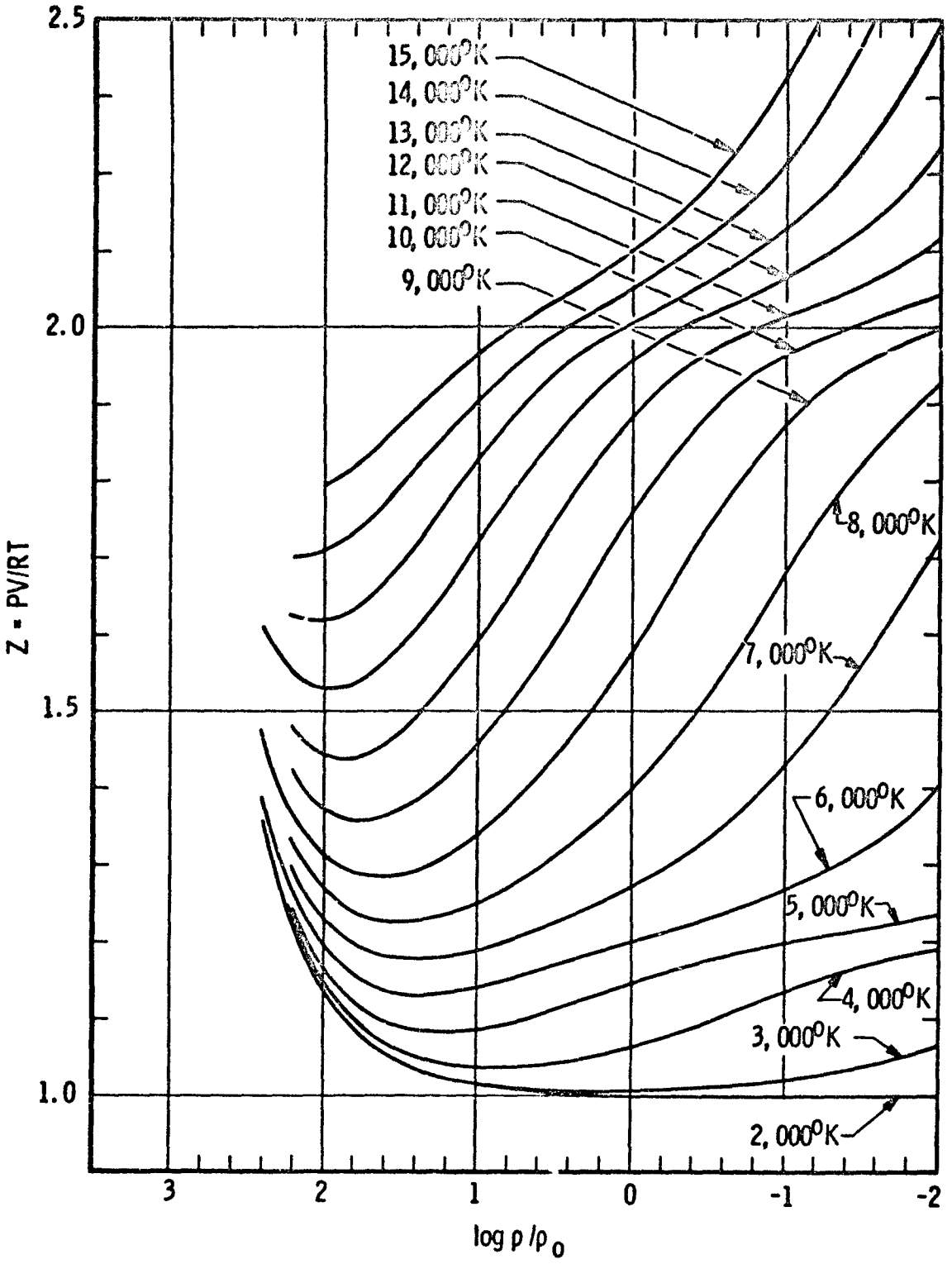
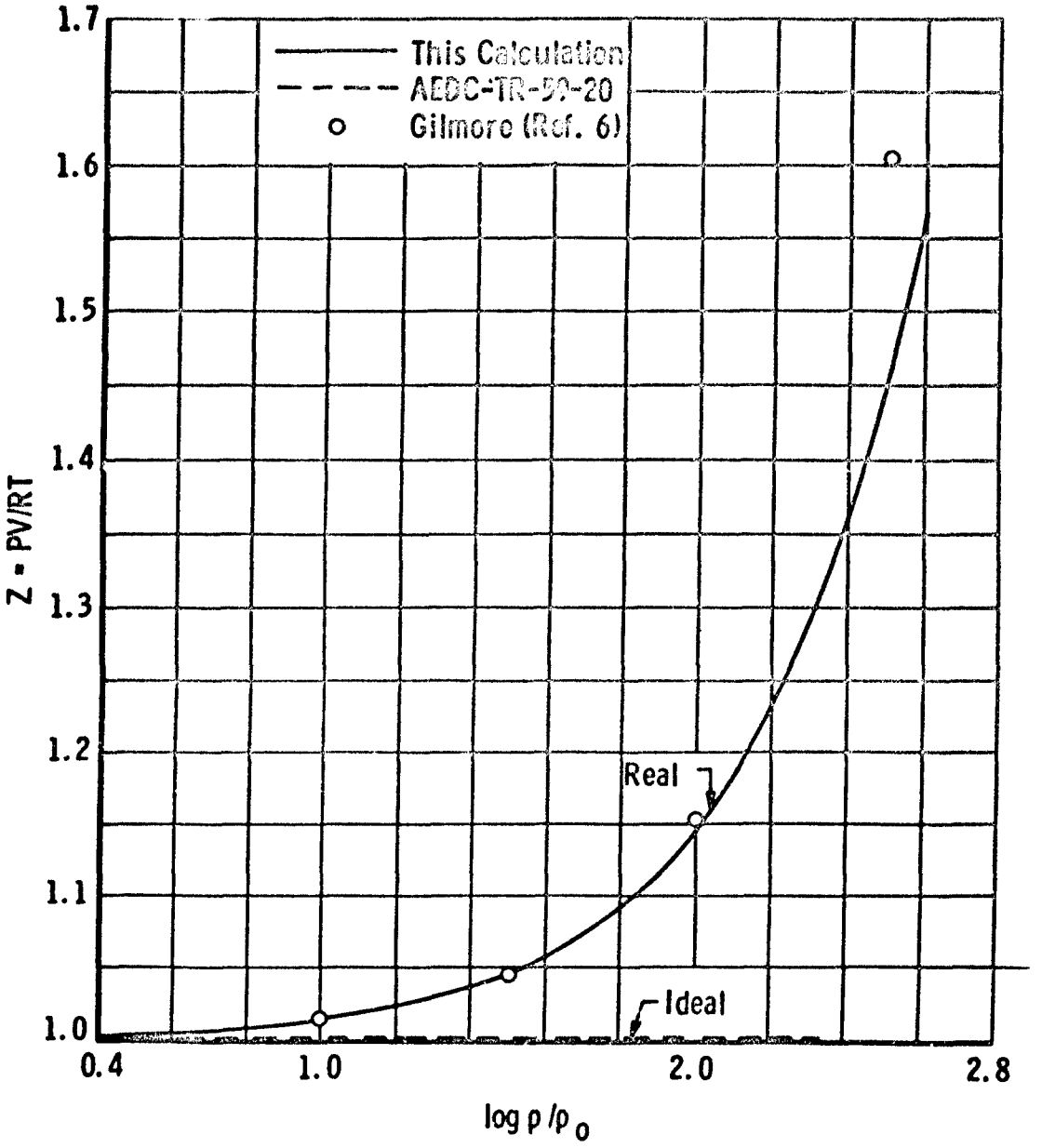
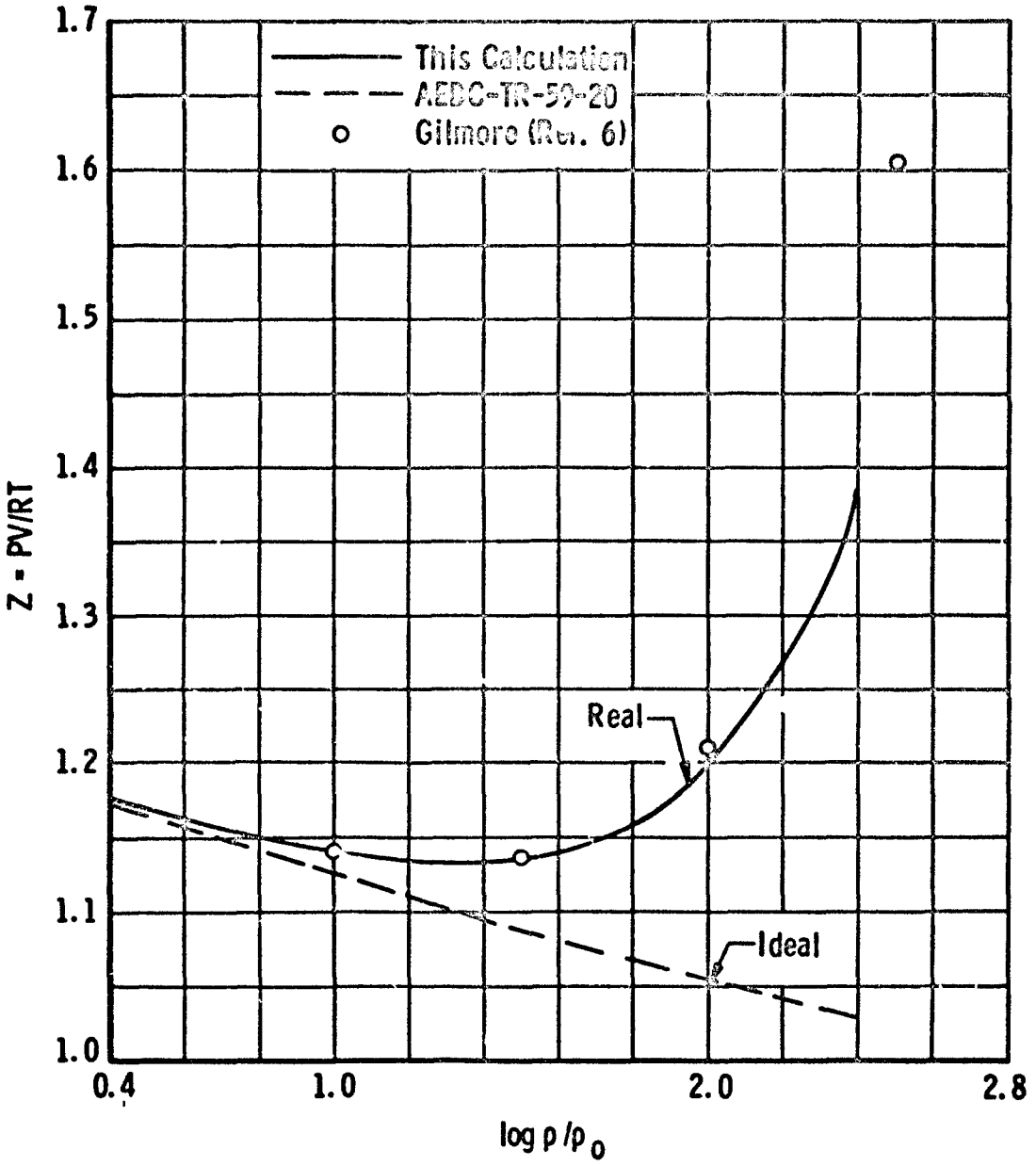


Fig. 1 Concluded



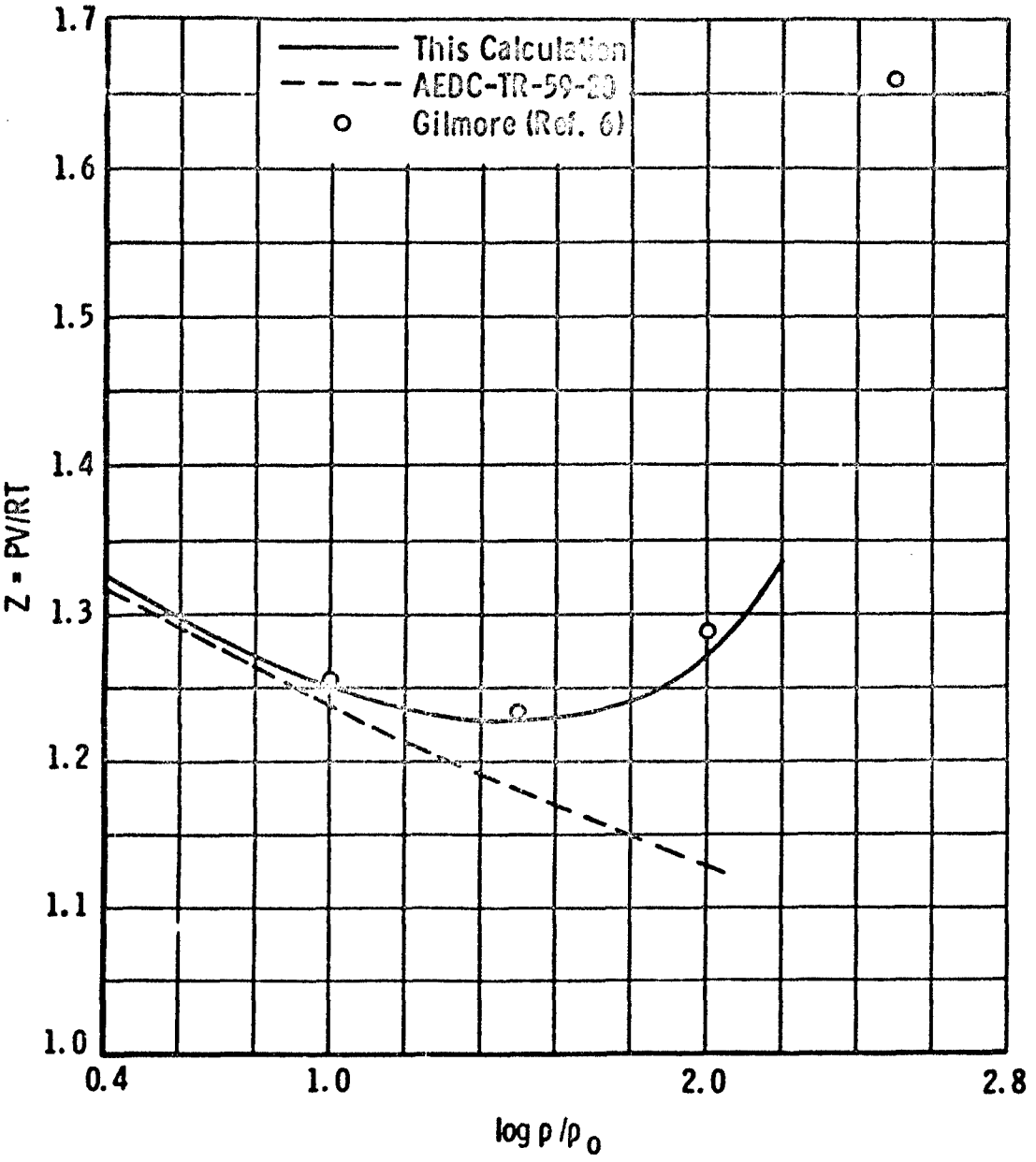
a. T = 2000°K

Fig. 2 Corrected and Ideal Compressibility Isotherms for Air



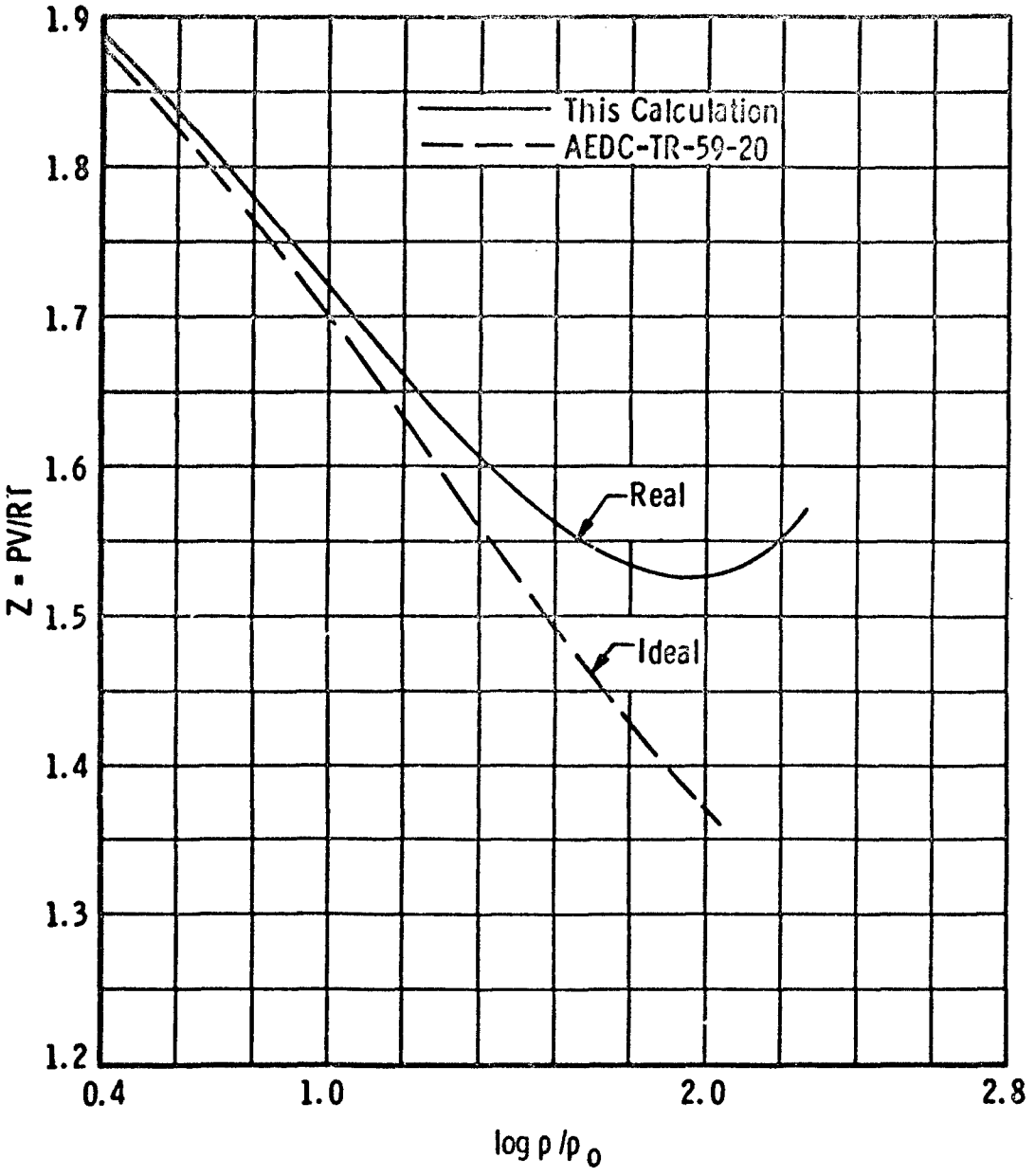
b. T = 6000°K

Fig. 2 Continued



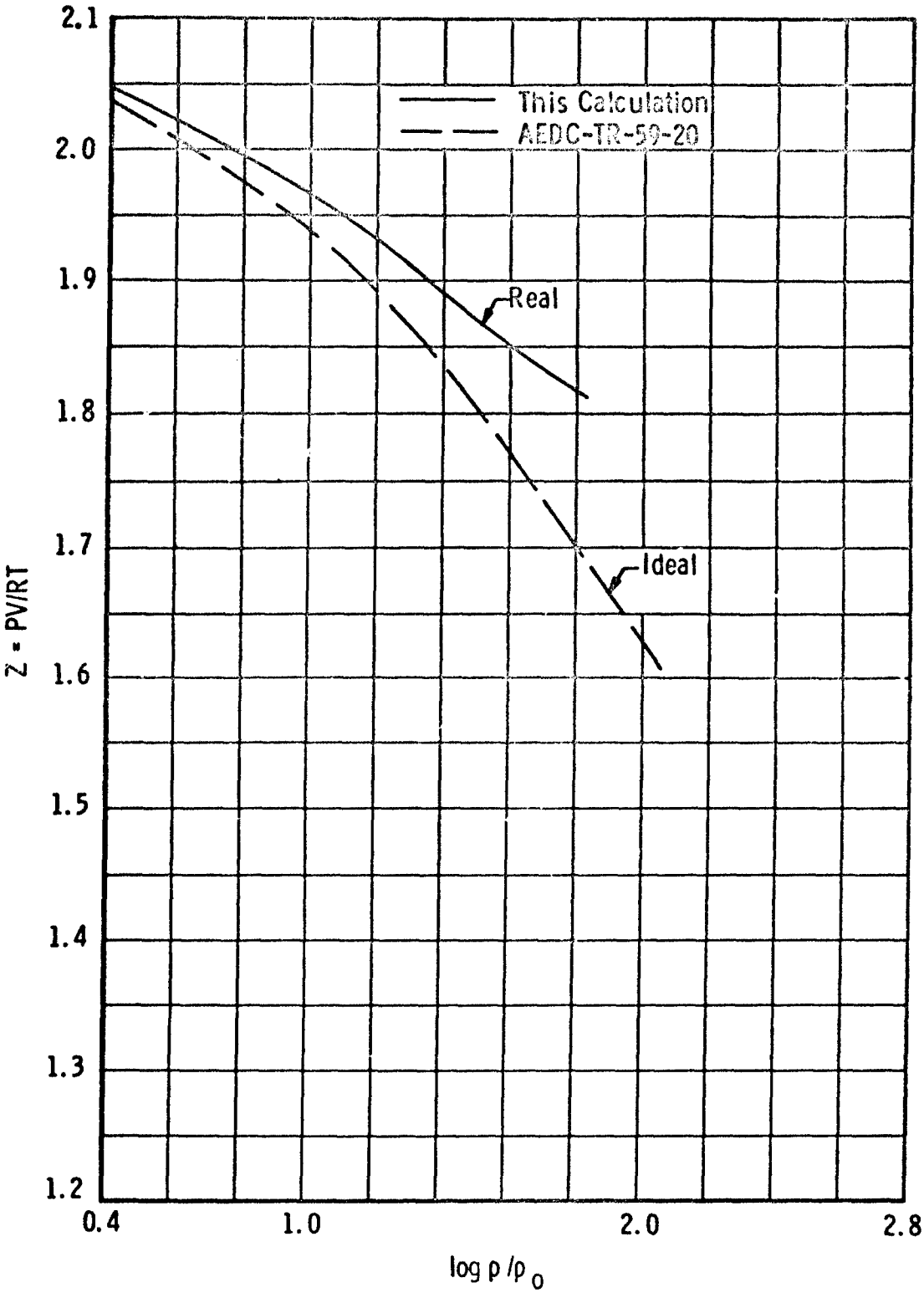
c. T = 8000°K

Fig. 2 Continued



d. T = 12,000°K

Fig. 2 Continued



e. T = 15,000°K

Fig. 2 Concluded

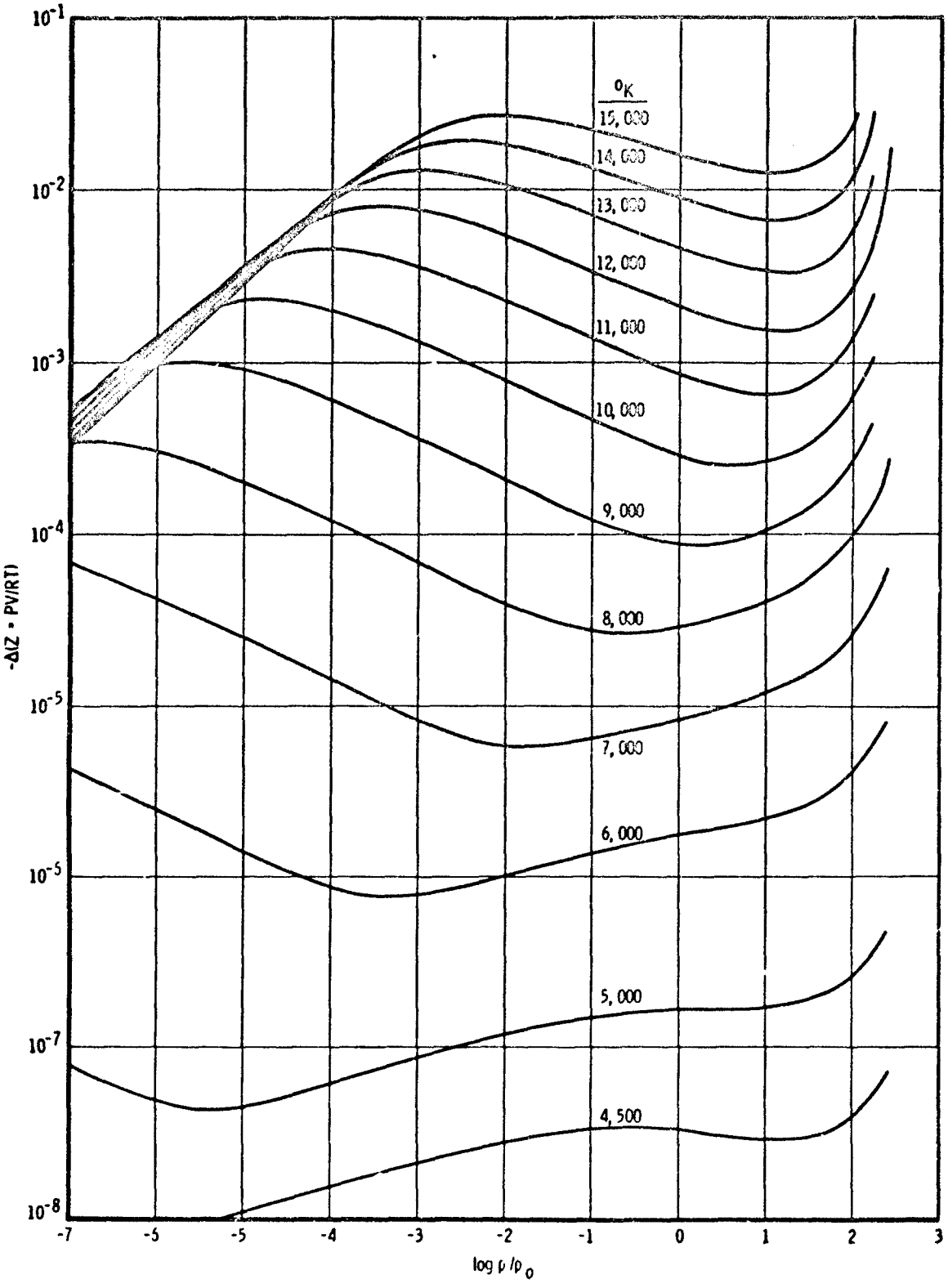
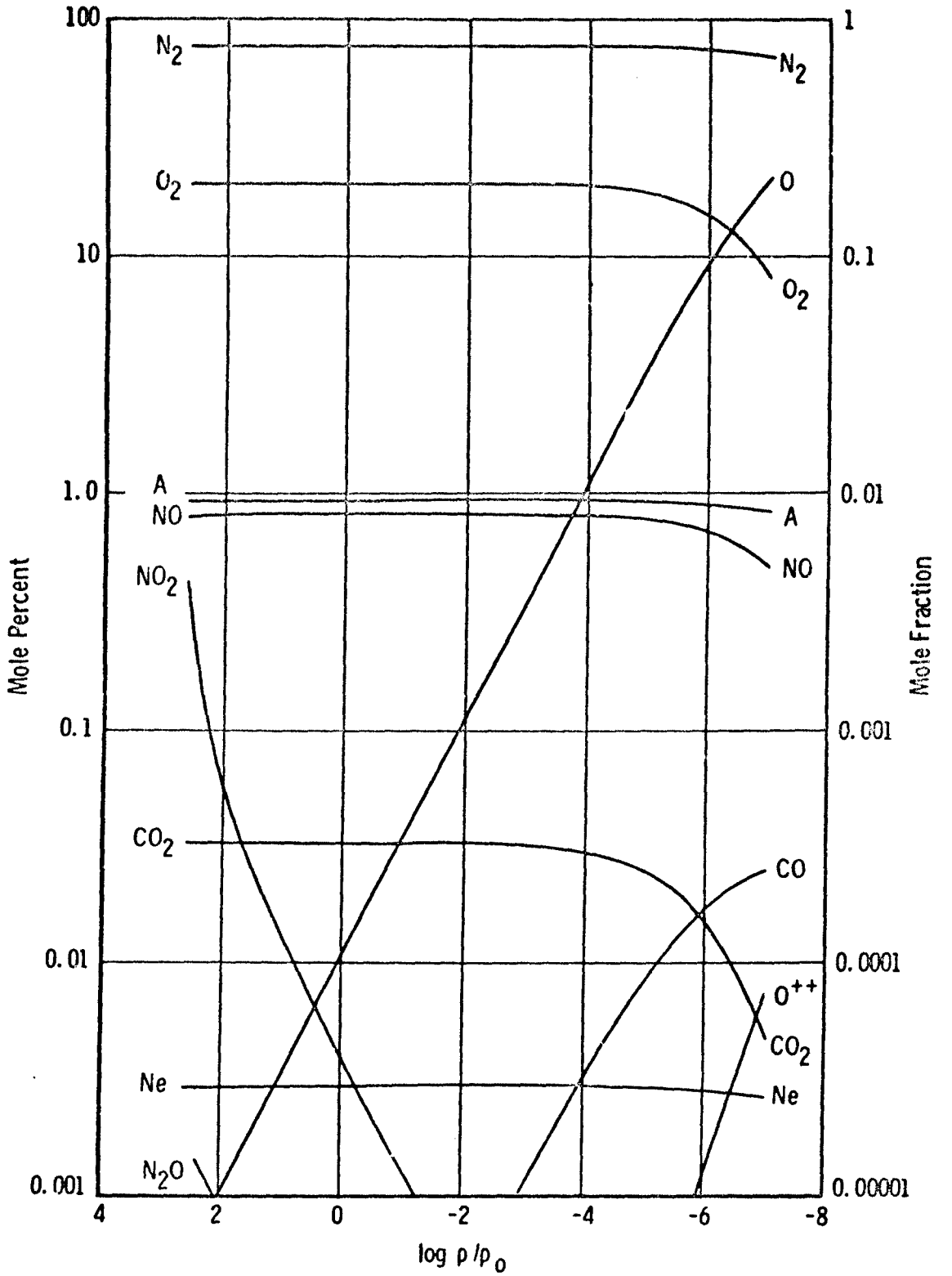
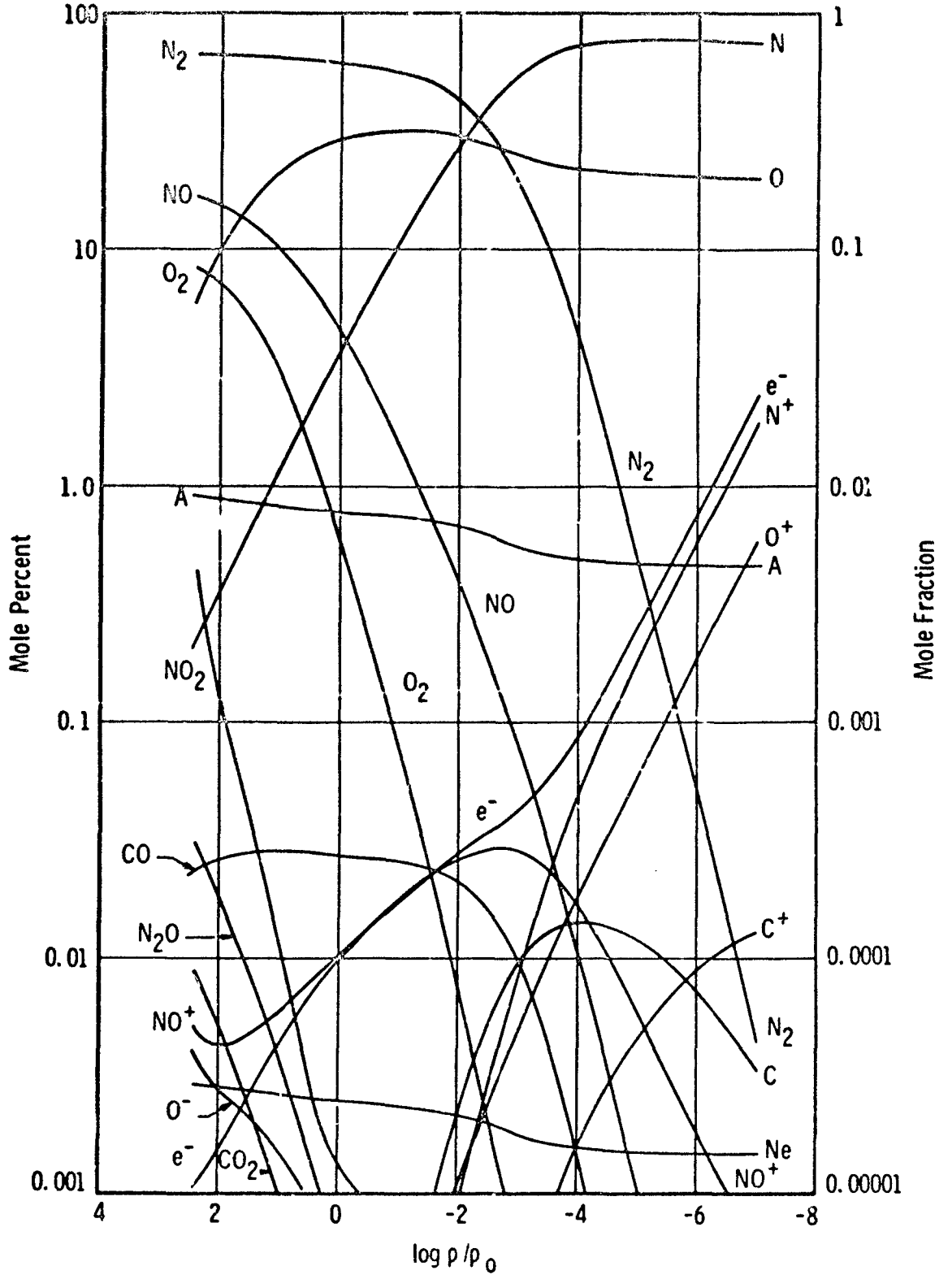


Fig. 3 Limiting-Law Debye-Hückel Effect on the Compressibility for Air



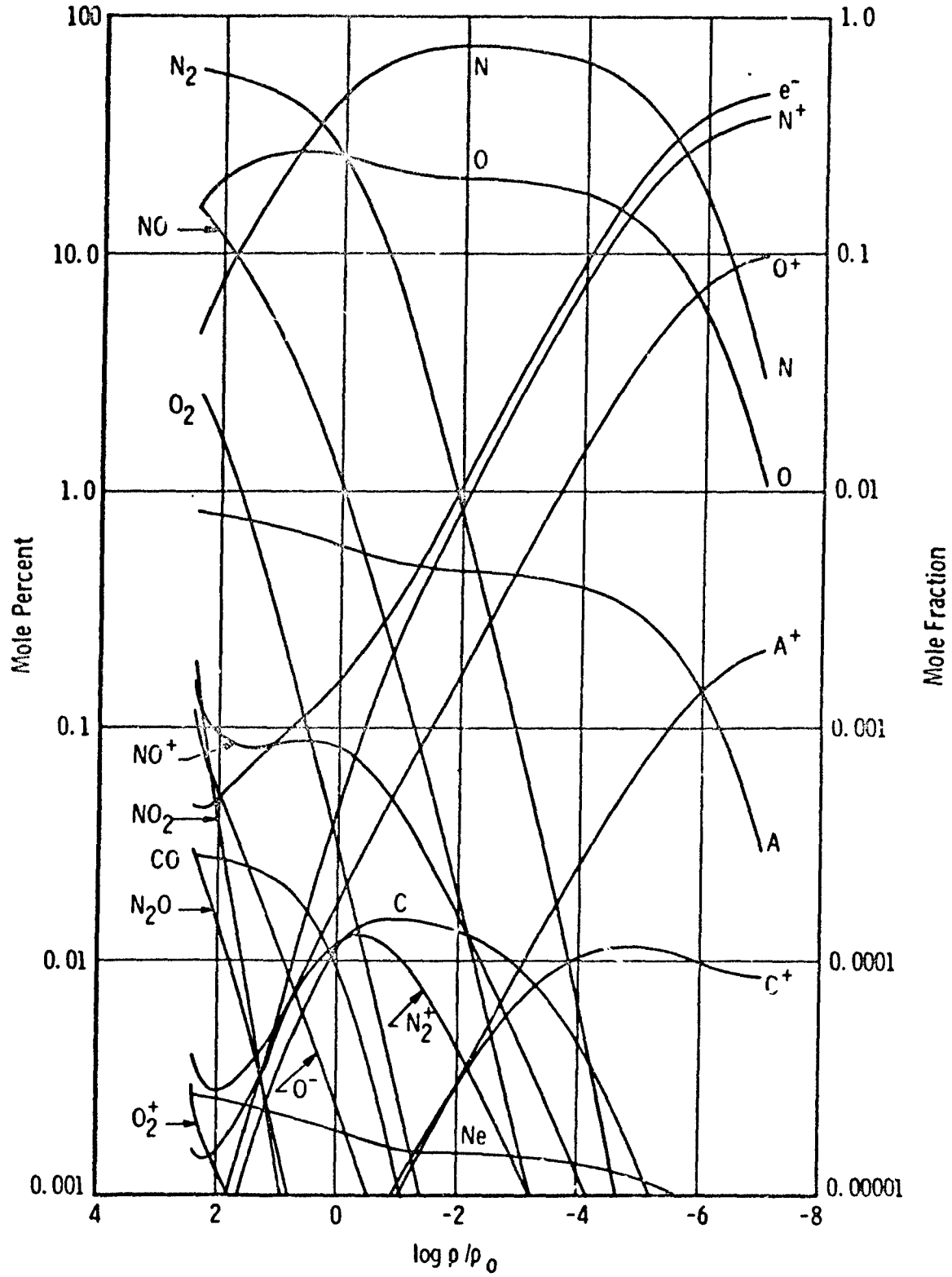
a. T = 2000°K

Fig. 4 Equilibrium Composition of Air



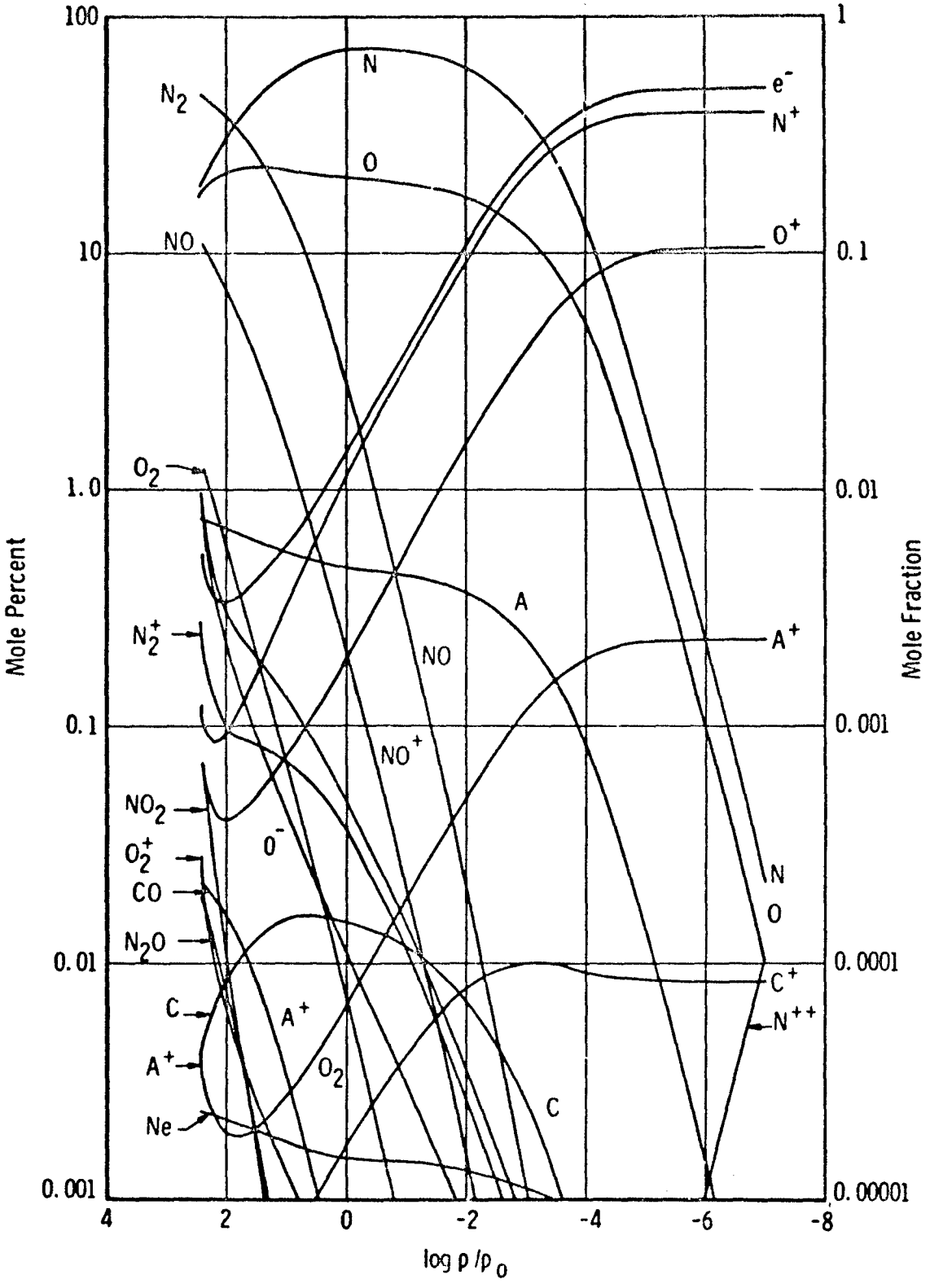
b. T = 6000°K

Fig. 4 Continued



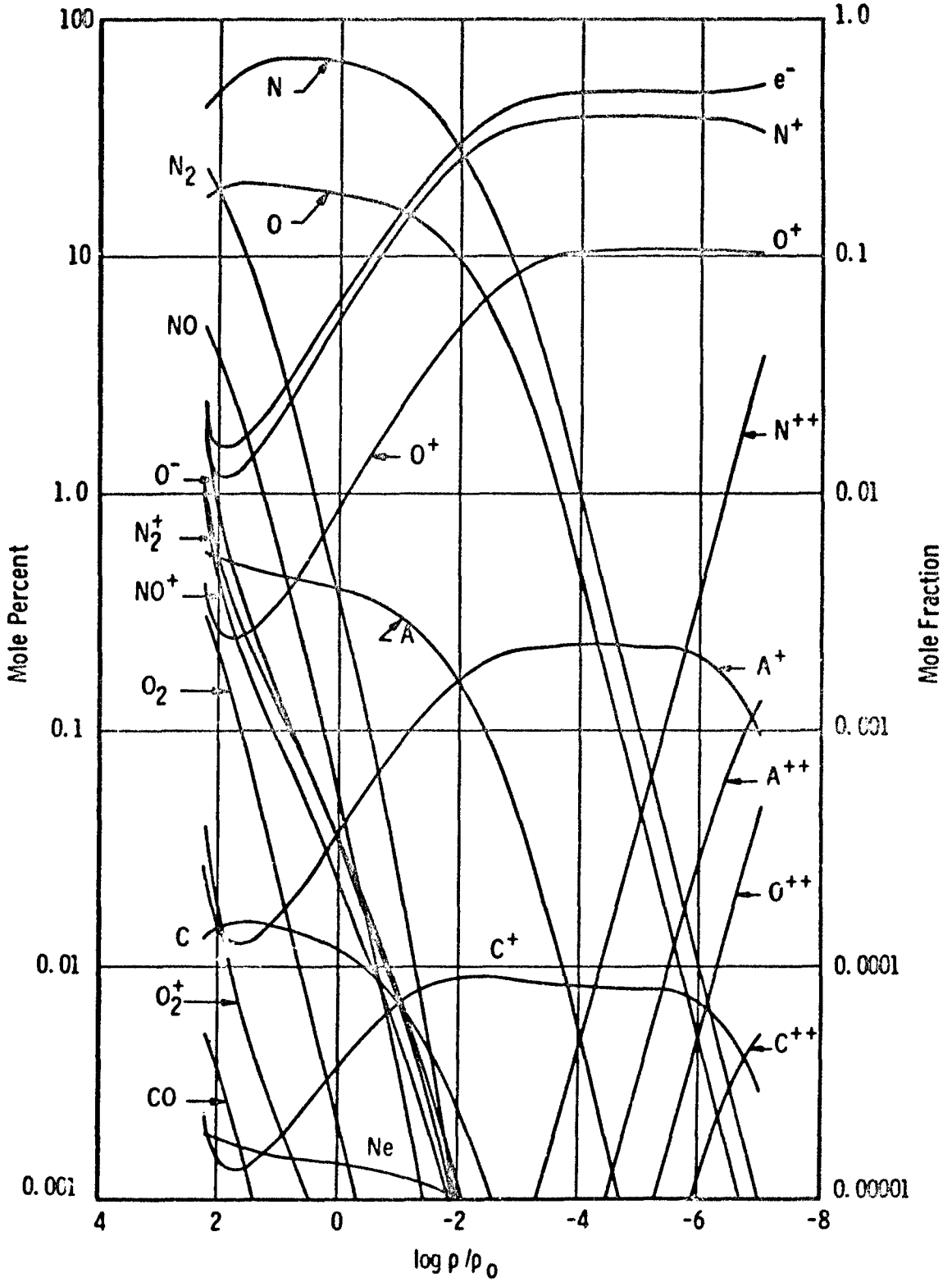
c. T = 9000°K

Fig. 4 Continued



d. T = 12,000°K

Fig. 4 Continued



e. T = 15,000°K

Fig. 4 Concluded

TABLE A

EQUILIBRIUM EQUATIONS FOR THE SPECIES INCLUDED IN THE CALCULATIONS FOR AIR

i	Symbol	Reaction	Equilibrium Constants	Concentration Equations	ω_i
1	N_2	$N+N \leftrightharpoons N_2$	$K_1 = [N_2]/[N]^2$	$[N_2]^* = K_1[N]^2$	-1
2	O_2	$O+O \leftrightharpoons O_2$	$K_2 = [O_2]/[O]^2$	$[O_2] = K_2[O]^2$	-1
3	NO	$N+O \leftrightharpoons NO$	$K_3 = [NO]/[N][O]$	$[NO] = K_3[N][O]$	-1
4	CO	$C+O \leftrightharpoons CO$	$K_4 = [CO]/[C][O]$	$[CO] = K_4[C][O]$	-1
5	CO_2	$C+2O \leftrightharpoons CO_2$	$K_5 = [CO_2]/[C][O]^2$	$[CO_2] = K_5[C][O]^2$	-2
6	NO_2	$N+2O \leftrightharpoons NO_2$	$K_6 = [NO_2]/[N][O]^2$	$[NO_2] = K_6[N][O]^2$	-2
7	N_2O	$2N+O \leftrightharpoons N_2O$	$K_7 = [N_2O]/[N]^2[O]$	$[N_2O] = K_7[N]^2[O]$	-2
8	N_2^+	$2N \leftrightharpoons N_2^+ + e$	$K_8 = [N_2^+][e]/[N]^2$	$[N_2^+] = K_8[N]^2/[e]$	0
9	O_2^+	$2O \leftrightharpoons O_2^+ + e$	$K_9 = [O_2^+][e]/[O]^2$	$[O_2^+] = K_9[O]^2/[e]$	0
10	O_2^-	$2O + e \leftrightharpoons O_2^-$	$K_{10} = [O_2^-]/[O]^2[e]$	$[O_2^-] = K_{10}[O]^2[e]$	-2
11	NO^+	$N + O \leftrightharpoons NO^+ + e$	$K_{11} = [NO^+][e]/[N][O]$	$[NO^+] = K_{11}[N][O]/[e]$	0
12	CO^+	$C+O \leftrightharpoons CO^+ + e$	$K_{12} = [CO^+][e]/[C][O]$	$[CO^+] = K_{12}[C][O]/[e]$	0
13	O^-	$O + e \leftrightharpoons O^-$	$K_{13} = [O^-]/[O][e]$	$[O^-] = K_{13}[O][e]$	-1
14	N^+	$N \leftrightharpoons N^+ + e$	$K_{14} = [N^+][e]/[N]$	$[N^+] = K_{14}[N]/[e]$	1
15	N^{++}	$N \leftrightharpoons N^{++} + 2e$	$K_{15} = [N^{++}][e]^2/[N]$	$[N^{++}] = K_{15}[N]/[e]^2$	2
16	O^+	$O \leftrightharpoons O^+ + e$	$K_{16} = [O^+][e]/[O]$	$[O^+] = K_{16}[O]/[e]$	1
17	O^{++}	$O \leftrightharpoons O^{++} + 2e$	$K_{17} = [O^{++}][e]^2/[O]$	$[O^{++}] = K_{17}[O]/[e]^2$	2
18	A^+	$A \leftrightharpoons A^+ + e$	$K_{18} = [A^+][e]/[A]$	$[A^+] = K_{18}[A]/[e]$	1
19	A^{++}	$A \leftrightharpoons A^{++} + 2e$	$K_{19} = [A^{++}][e]^2/[A]$	$[A^{++}] = K_{19}[A]/[e]^2$	2
20	C^+	$C \leftrightharpoons C^+ + e$	$K_{20} = [C^+][e]/[C]$	$[C^+] = K_{20}[C]/[e]$	1
21	C^{++}	$C \leftrightharpoons C^{++} + 2e$	$K_{21} = [C^{++}][e]^2/[C]$	$[C^{++}] = K_{21}[C]/[e]^2$	2
22	Ne^+	$Ne \leftrightharpoons Ne^+ + e$	$K_{22} = [Ne^+][e]/[Ne]$	$[Ne^+] = K_{22}[Ne]/[e]$	1

*$[N_2]$ denotes the concentration of molecular nitrogen.

TABLE B

INCIDENCE MATRIX OF r_{ik} VALUES FOR AIR

i	Species	r_{i1}	r_{i2}	r_{i3}	r_{i4}	r_{i5}	r_{i6}	D_i/R (°K)
1	N_2	2	0	0	0	0	0	-113258.
2	O_2	0	2	0	0	0	0	-59366.
3	NO	1	1	0	0	0	0	-75502.
4	CO	0	1	0	1	0	0	-128903.8
5	CO_2	0	2	0	1	0	0	-192233.3
6	NO_2	1	2	0	0	0	0	-111614.5
7	N_2O	2.	1	0	0	0	0	-132709.2
8	N_2^+	2	0	0	0	0	-1	67561.7
9	O_2^+	0	2	0	0	0	-1	82424.5
10	O_2^-	0	2	0	0	0	1	-70968.
11	NO^+	1	1	0	0	0	-1	31943.
12	CO^+	0	1	0	1	0	-1	33718.3
13	O^-	0	1	0	0	0	1	-16834.
14	N^+	1	0	0	0	0	-1	168647.5
15	N^{++}	1	0	0	0	0	-2	512162.6
16	O^+	0	1	0	0	0	-1	158033.
17	O^{++}	0	1	0	0	0	-2	566006.1
18	A^+	0	0	1	0	0	-1	182885.7
19	A^{++}	0	0	1	0	0	-2	503479.3
20	C^+	0	0	0	1	0	-1	130663.2
21	C^{++}	0	0	0	1	0	-2	413616.2
22	Ne^+	0	0	0	0	1	-1	250252.9
23	N	1	0	0	0	0	0	
24	O	0	1	0	0	0	0	
25	A	0	0	1	0	0	0	
26	C	0	0	0	1	0	0	
27	Ne	0	0	0	0	1	0	
28	e	0	0	0	0	0	-1	

TABLE C

MASS AND CHARGE BALANCE EQUATIONS FOR AIR

k	Specie	π_{n+k}	Equations
1	Nitrogen	1.56168	$1.56168 = \sum_{i=1}^{n+5} r_{i1} C_i$
2	Oxygen	.41958	$.41958 = \sum_{i=1}^{n+5} r_{i2} C_i$
3	Argon	.00934	$.00934 = \sum_{i=1}^{n+5} r_{i3} C_i$
4	Carbon	.00033	$.00033 = \sum_{i=1}^{n+5} r_{i4} C_i$
5	Neon	.00003	$.00003 = \sum_{i=1}^{n+5} r_{i5} C_i$
6	Electrons		$C_{n+6} = -\sum_{i=1}^{n+5} r_{i6} C_i$

TABLE D

DENSITIES CORRESPONDING TO THE TABULATED ARGUMENTS

$\log \rho/\rho_0$	ρ/ρ_0	ρ g/cm^3
2.0	100.	$1.29313 \cdot 10^{-1}$
1.8	63.0957	$8.15909 \cdot 10^{-2}$
1.6	39.8107	$5.14804 \cdot 10^{-2}$
1.4	25.1189	$3.24820 \cdot 10^{-2}$
1.2	15.8489	$2.04947 \cdot 10^{-2}$
1.0	10.	$1.29313 \cdot 10^{-2}$
0.8	6.30957	$8.15909 \cdot 10^{-3}$
0.6	3.98107	$5.14804 \cdot 10^{-3}$
0.4	2.51189	$3.24820 \cdot 10^{-3}$
0.2	1.58489	$2.04947 \cdot 10^{-3}$
0.	1.0	$1.29313 \cdot 10^{-3}$
-0.2	0.630957	$8.15909 \cdot 10^{-4}$
-0.4	0.398107	$5.14804 \cdot 10^{-4}$
-0.6	0.251189	$3.24820 \cdot 10^{-4}$
-0.8	0.158489	$2.04947 \cdot 10^{-4}$
-1.0	0.1	$1.29313 \cdot 10^{-4}$
	etc.	etc.

TABLE E

INPUT DATA FOR AIR CALCULATIONS AT 6000, 9000, AND 12,000°K
T = 6000°K

SPECIES	$\overline{K}$	E/RT*	ENTROPY
N2	3.94132E 02	-15.56283	35.23660
O2	5.84742E-02	-6.18353	37.75700
NO	3.48537E 00	-9.18277	37.86700
CO	2.46053E 03	-18.16646	36.03800
CO2	3.91751E 01	-26.00205	45.40730
NO2	1.69248E-03	-13.00966	47.75482
N2O	9.94877E-03	-16.79296	44.76437
N2+	7.71096E-09	15.10438	36.82100
O2+	2.31700E-10	17.16682	37.33500
O2-	8.67838E-08	-7.96400	38.80900
NO+	8.85084E-07	8.62903	36.06700
CO+	6.70142E-07	8.93529	36.69053
O-	1.42717E-01	-1.05357	26.85933
N+	1.12874E-10	29.68155	26.80756
N++	8.41234E-34	86.88795	26.33521
O+	1.36530E-10	27.86555	26.16025
O++	0.	95.90522	26.96614
A+	2.61866E-11	32.07092	27.89534
A++	2.05281E-32	85.59220	28.39357
C+	1.84423E-08	23.28803	26.10544
C++	8.57236E-28	70.43642	24.31331
NE+	3.63364E-16	43.26383	26.87900
N	1.00000E 00	1.62184	26.07791
O	1.00000E 00	1.56565	27.00013
A	1.00000E 00	1.50024	26.11574
C	1.00000E 00	1.62431	26.67565
NE	1.00000E 00	1.50000	25.09160
E-	1.00000E 00	1.50000	10.01480

* The internal energy has been reduced to refer it to the reference energy for atoms.

TABLE E (Continued)

T = 9000°K

SPECIES	K	E/RT*	ENTROPY
N2	7.02030E-01	-9.11822	37.16600
O2	2.83035E-03	-2.60372	40.00500
NO	5.58997E-02	-4.81221	39.86000
CO	2.00465E 00	-10.90344	37.91141
CO2	1.53469E-03	-15.09479	48.53595
NO2	4.62911E-06	-6.67819	50.58673
N2O	7.11292E-06	-9.29952	47.47567
N2+	7.34251E-07	11.55666	39.03700
O2+	4.86129E-08	12.93948	39.54300
O2-	6.43418E-08	-3.87733	40.95900
NO+	9.72265E-06	6.97412	37.95700
CO+	8.40936E-06	7.16554	38.56532
O-	3.58387E-02	0.45226	28.64272
N+	2.29934E-06	20.37098	27.92113
N++	5.92088E-21	58.42733	27.35113
O+	1.62112E-06	19.21595	27.33587
O++	1.09884E-23	64.49418	28.04784
A+	1.28074E-06	21.89523	28.92578
A++	1.05177E-19	57.66698	29.53352
C+	4.54176E-05	16.03926	27.13480
C++	2.59481E-17	47.47478	25.34606
NE+	7.42240E-10	29.34419	27.89470
N	1.00000E 00	1.87547	27.44195
O	1.00000E 00	1.62247	28.10822
A	1.00000E 00	1.53057	27.16283
C	1.00000E 00	1.68846	27.81705
NE	1.00000E 00	1.50000	26.10530
E-	1.00000E 00	1.50000	11.02840

* The internal energy has been reduced to refer it to the reference energy for atoms.

TABLE E (Concluded)

T = 12,000°K

SPECIES	$\overline{K}$	E/RT*	ENTROPY
N2	2.70472E-02	-5.72667	38.72600
O2	6.85235E-04	-0.76487	41.65900
NO	6.75140E-03	-2.52593	41.39200
CO	5.74169E-02	-7.25702	39.25802
CO2	1.08074E-05	-9.61861	50.78219
NO2	2.40294E-07	-3.51055	52.59028
N2O	1.72137E-07	-5.55698	49.39500
N2+	7.69129E-06	9.77254	40.59600
O2+	9.06633E-07	11.10421	41.43500
O2-	5.13239E-08	-1.94600	42.35800
NO+	3.48148E-05	6.18582	39.34200
CO+	3.39710E-05	6.29601	39.91341
O-	1.89291E-02	1.43390	30.17816
N+	3.49440E-04	15.73247	28.73122
N++	1.85813E-14	44.20862	28.08487
O+	2.07158E-04	15.01039	28.31006
O++	1.74415E-16	48.81267	28.84372
A+	3.14387E-04	16.89023	29.74839
A++	3.07152E-13	43.76927	30.41582
C+	2.50821E-03	12.45449	27.91009
C++	5.73629E-12	36.07256	26.16707
NE+	1.20557E-06	22.38372	28.61460
N	1.00000E 00	2.07210	28.49509
O	1.00000E 00	1.66374	28.91000
A	1.00000E 00	1.80838	28.19648
C	1.00000E 00	1.73926	28.64810
NE	1.00000E 00	1.50000	26.82450
E-	1.00000E 00	1.50000	11.74770

* The internal energy has been reduced to refer it to the reference energy for atoms.

TABLE F

INCIDENCE MATRIX FOR VIRIAL COEFFICIENTS

	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+	O2-	NO+	CO+	O-	N+
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	1	1	1	1	1	0	1	0	0	0	0	0	0	0
A	1	1	1	1	0	0	0	0	0	0	0	0	0	1
O	1	1	1	1	1	0	1	0	0	0	1	0	0	1
N	1	1	1	1	1	0	1	1	0	0	1	0	1	1
NE+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O+	1	0	0	0	0	0	0	0	0	0	0	0	0	0
N++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N+	1	0	1	0	0	0	0	0	0	0	0	0	0	0
O-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO+	1	0	0	0	0	0	0	0	0	0	0	0	0	0
O2-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O2+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N2+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N2O	1	1	1	1	1	0	1	0	0	0	0	0	0	0
NO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	1	1	1	1	1	0	1	0	0	0	0	0	0	0
CO	1	1	1	1	1	0	1	0	0	0	0	0	0	0
NO	1	1	1	1	1	0	1	0	0	0	0	0	0	1
O2	1	1	1	1	1	0	1	0	0	0	0	0	0	0
N2	1	1	1	1	1	0	1	0	0	0	1	0	0	1

	N++	O+	O++	A+	A++	C+	C++	NE+	N	O	A	C	NE	E
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	1	1	1	1	0	0
A	0	1	0	0	0	0	0	0	1	1	1	1	0	0
O	0	1	0	1	0	0	0	0	1	1	1	1	0	0
N	0	1	0	1	0	0	0	0	1	1	1	1	0	0
NE+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A+	0	0	0	0	0	0	0	0	1	1	0	0	0	0
O++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O+	0	0	0	0	0	0	0	0	1	1	1	0	0	0
N++	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N+	0	0	0	0	0	0	0	0	1	1	1	0	0	0
O-	0	0	0	0	0	0	0	0	1	0	0	0	0	0
CO+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO+	0	0	0	0	0	0	0	0	1	1	0	0	0	0
O2-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O2+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N2+	0	0	0	0	0	0	0	0	1	0	0	0	0	0
N2O	0	0	0	0	0	0	0	0	1	1	0	1	0	0
NO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	0	0	0	0	0	0	0	0	1	1	0	1	0	0
CO	0	0	0	0	0	0	0	0	1	1	1	1	0	0
NO	0	0	0	0	0	0	0	0	1	1	1	1	0	0
O2	0	0	0	0	0	0	0	0	1	1	1	1	0	0
N2	0	1	0	0	0	0	0	0	1	1	1	1	0	0

TABLE G

SECOND VIRIAL COEFFICIENTS AND DERIVATIVES AT
2000, 6000, 9000, 12,000, AND 15,000°K

T	Pair		B	TdB/dT	T^2d^2B/dT^2
2000.	A	A	26.146	2.856	-11.965
2000.	CO	A	31.008	2.932	-11.668
2000.	N	A	23.949	0.250	-5.500
2000.	N2	A	29.558	2.166	-10.779
2000.	NO	A	28.910	3.100	-12.663
2000.	O	A	21.562	1.100	-6.829
2000.	O2	A	27.288	2.840	-11.766
2000.	N	A+	-55.951	81.282	-180.859
2000.	O	A+	-35.733	57.319	-126.048
2000.	CO2	A	32.911	7.350	-22.734
2000.	N2O	A	42.607	8.380	-26.950
2000.	A	C	27.692	0.100	-5.957
2000.	C	C	28.302	-1.805	-2.034
2000.	CO	C	32.386	-0.439	-5.780
2000.	CO2	C	35.869	2.539	-12.887
2000.	N	C	24.513	-1.451	-1.999
2000.	N2	C	30.952	-0.587	-5.167
2000.	N2O	C	45.946	2.544	-14.983
2000.	NO	C	30.532	0.071	-6.482
2000.	O	C	22.394	-0.736	-3.077
2000.	O2	C	28.739	0.006	-5.974
2000.	A	C2	35.184	2.083	-11.764
2000.	C	C2	36.400	-1.009	-5.398
2000.	C2	C2	45.484	0.834	-11.216
2000.	CN	C2	42.021	1.071	-11.006
2000.	CO	C2	40.843	1.499	-11.680
2000.	CO2	C2	43.656	6.536	-23.147
2000.	N	C2	31.950	-0.705	-5.123
2000.	N2	C2	39.051	1.183	-10.629
2000.	N2O	C2	55.300	7.123	-26.808
2000.	NO	C2	38.317	2.195	-12.653
2000.	O	C2	29.103	0.342	-6.766
2000.	O2	C2	36.551	2.014	-11.898
2000.	A	CN	32.265	2.185	-11.380
2000.	C	CN	33.516	-0.748	-5.356
2000.	CN	CN	39.039	1.276	-10.827
2000.	CO	CN	37.740	1.680	-11.426
2000.	CO2	CN	40.360	6.547	-22.496
2000.	N	CN	29.242	-0.479	-5.042
2000.	N2	CN	36.033	1.342	-10.346
2000.	N2O	CN	51.384	7.198	-26.169
2000.	NO	CN	35.432	2.322	-12.329
2000.	O	CN	26.775	0.491	-6.502
2000.	O2	CN	33.558	2.125	-11.518
2000.	CO	CO	36.353	2.063	-11.962
2000.	CO2	CO	38.725	7.052	-23.262
2000.	N2	CO	34.695	1.714	-10.867
2000.	N2O	CO	49.516	7.865	-27.236
2000.	NO	CO	34.016	2.711	-12.875
2000.	O2	CO	32.193	2.475	-11.991
2000.	CO2	CO2	38.827	15.605	-42.080
2000.	N2O	CO2	49.814	17.865	-49.223
2000.	CO	N	28.287	-0.215	-5.408
2000.	CO2	N	31.278	2.510	-11.877
2000.	N	N	21.112	-1.153	-1.927

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
2000.	N2	N	26.815	-0.432	-4.638
2000.	N2O	N	40.593	2.615	-14.029
2000.	NO	N	26.567	0.235	-6.012
2000.	O2	N	24.887	0.175	-5.534
2000.	A	N+	-462.108	889.548	-3288.198
2000.	N	N+	-65.802	90.469	-206.310
2000.	N2	N+	-93.396	128.029	-294.884
2000.	NO	N+	-100.500	138.034	-322.458
2000.	O	N+	-42.715	62.235	-138.744
2000.	CO2	N2	37.225	6.337	-21.398
2000.	N2	N2	33.175	1.393	-9.874
2000.	N2O	N2	47.738	7.046	-25.091
2000.	N	N2+	-45.446	71.981	-157.329
2000.	N2O	N2O	62.745	20.063	-56.623
2000.	CO2	NO	35.659	6.843	-22.182
2000.	N2	NO	32.607	2.326	-11.754
2000.	N2O	NO	46.390	8.976	-29.019
2000.	NO	NO	31.901	3.347	-13.814
2000.	O2	NO	30.094	3.071	-12.845
2000.	N	NO+	-44.845	71.148	-155.380
2000.	N2	NO+	-65.552	101.226	-222.299
2000.	O	NO+	-28.672	52.230	-113.551
2000.	CO	O	25.627	0.749	-6.917
2000.	CO2	O	28.068	3.873	-14.167
2000.	N	O	19.132	-0.530	-2.837
2000.	N2	O	24.376	0.557	-6.246
2000.	N2O	O	36.771	4.337	-16.960
2000.	NO	O	23.987	1.178	-7.499
2000.	O	O	17.227	0.089	-5.763
2000.	O2	O	22.492	0.928	-6.653
2000.	A	O+	-561.908	1301.352	-5466.551
2000.	N	O+	-73.171	99.592	-232.926
2000.	N2	O+	-104.299	142.214	-337.290
2000.	O	O+	-48.166	67.933	-154.263
2000.	N	O-	-61.293	87.122	-196.379
2000.	CO2	O2	34.199	7.413	-23.132
2000.	N2	O2	30.812	2.121	-10.941
2000.	N2O	O2	43.939	8.334	-27.120
2000.	O2	O2	28.431	2.820	-11.959

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
6000.	A	A	25.655	-2.618	0.222
6000.	CO	A	29.912	-3.305	0.789
6000.	N	A	22.071	-2.958	1.666
6000.	N2	A	28.364	-3.209	0.904
6000.	NO	A	28.333	-2.908	0.281
6000.	O	A	20.401	-2.454	0.956
6000.	O2	A	26.691	-2.765	0.318
6000.	N	A+	-6.101	22.254	-48.546
6000.	O	A+	-0.477	15.588	-34.611
6000.	CO2	A	34.539	-2.427	-2.010
6000.	N2O	A	44.037	-3.402	-1.913
6000.	A	C	25.406	-3.466	2.044
6000.	C	C	24.802	-4.007	3.287
6000.	CO	C	29.375	-4.188	2.737
6000.	CO2	C	34.366	-3.915	1.153
6000.	N	C	21.550	-3.443	2.776
6000.	N2	C	27.972	-4.043	2.721
6000.	N2O	C	43.594	-5.183	1.914
6000.	NO	C	27.988	-3.831	2.278
6000.	O	C	20.048	-3.001	2.164
6000.	O2	C	26.307	-3.620	2.182
6000.	A	C2	33.464	-3.937	1.382
6000.	C	C2	32.701	-4.832	3.400
6000.	C2	C2	42.136	-5.532	2.939
6000.	CN	C2	39.109	-5.039	2.529
6000.	CO	C2	38.290	-4.788	2.173
6000.	CO2	C2	43.897	-3.959	-0.712
6000.	N	C2	28.813	-4.197	2.871
6000.	N2	C2	36.459	-4.638	2.234
6000.	N2O	C2	54.912	-5.284	-0.194
6000.	NO	C2	36.399	-4.305	1.551
6000.	O	C2	26.845	-3.586	2.000
6000.	O2	C2	34.674	-4.125	1.528
6000.	A	CN	30.853	-3.545	1.097
6000.	C	CN	30.220	-4.405	3.017
6000.	CN	CN	36.504	-4.614	2.175
6000.	CO	CN	35.560	-4.354	1.826
6000.	CO2	CN	40.884	-3.544	-0.965
6000.	N	CN	26.472	-3.801	2.524
6000.	N2	CN	33.793	-4.220	1.905
6000.	N2O	CN	51.371	-4.775	-0.535
6000.	NO	CN	33.834	-3.911	1.253
6000.	O	CN	24.804	-3.256	1.730
6000.	O2	CN	32.001	-3.722	1.233
6000.	CO	CO	34.522	-4.089	1.483
6000.	CO2	CO	39.688	-3.222	-1.395
6000.	N2	CO	32.793	-3.963	1.574
6000.	N2O	CO	50.059	-4.386	-1.083
6000.	NO	CO	32.773	-3.641	0.906
6000.	O2	CO	30.962	-3.467	0.913
6000.	CO2	CO2	44.857	-1.297	-6.538
6000.	N2O	CO2	56.277	-2.147	-7.099
6000.	CO	N	25.759	-3.617	2.285
6000.	CO2	N	30.146	-3.344	0.823
6000.	N	N	18.620	-2.941	2.329

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
6000.	N2	N	24.280	-3.484	2.310
6000.	N2O	N	38.736	-4.492	1.464
6000.	NO	N	24.458	-3.292	1.874
6000.	O2	N	22.884	-3.094	1.784
6000.	A	N+	-87.892	117.893	-278.395
6000.	N	N+	-11.012	24.393	-52.719
6000.	N2	N+	-16.324	34.169	-73.843
6000.	NO	N+	-18.144	36.253	-78.437
6000.	O	N+	-4.596	16.995	-37.095
6000.	CO2	N2	37.887	-3.199	-1.072
6000.	N2	N2	31.211	-3.846	1.654
6000.	N2O	N2	47.941	-4.353	-0.716
6000.	N	N2+	-0.991	19.739	-43.739
6000.	N2O	N2O	69.442	-3.253	-7.479
6000.	CO2	NO	36.754	-2.887	-1.497
6000.	N2	NO	31.251	-3.555	1.037
6000.	N2O	NO	47.859	-3.738	-1.992
6000.	NO	NO	31.220	-3.226	0.355
6000.	O2	NO	29.400	-3.064	0.388
6000.	N	NO+	-0.887	19.520	-43.269
6000.	N2	NO+	-3.144	27.762	-61.232
6000.	O	NO+	3.456	13.998	-31.779
6000.	CO	O	23.909	-3.050	1.483
6000.	CO2	O	28.026	-2.622	-0.257
6000.	N	O	17.188	-2.540	1.787
6000.	N2	O	22.648	-2.938	1.507
6000.	N2O	O	36.273	-3.607	0.115
6000.	NO	O	22.668	-2.741	1.092
6000.	O	O	15.822	-2.150	1.254
6000.	O2	O	21.149	-2.612	1.133
6000.	A	O+	-97.650	132.259	-323.749
6000.	N	O+	-13.767	26.175	-56.537
6000.	N2	O+	-20.222	36.787	-79.548
6000.	O	O+	-6.965	18.305	-39.744
6000.	N	O-	-8.232	23.628	-51.358
6000.	CO2	O2	35.757	-2.573	-1.952
6000.	N2	O2	29.485	-3.377	1.027
6000.	N2O	O2	45.230	-3.579	-1.785
6000.	O2	O2	27.725	-2.913	0.416

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
9000.	A	A	24.429	-3.360	2.023
9000.	CO	A	28.399	-4.078	2.707
9000.	N	A	20.786	-3.338	2.713
9000.	N2	A	26.905	-3.914	2.670
9000.	NO	A	26.973	-3.722	2.258
9000.	O	A	19.304	-2.908	2.122
9000.	O2	A	25.402	-3.522	2.162
9000.	N	A+	1.049	13.646	-30.548
9000.	O	A+	4.485	9.342	-21.636
9000.	CO2	A	33.245	-3.833	1.211
9000.	N2O	A	42.287	-5.081	1.969
9000.	A	C	23.906	-3.881	3.206
9000.	C	C	23.134	-4.185	3.989
9000.	CO	C	27.582	-4.602	3.956
9000.	CO2	C	32.590	-4.760	3.273
9000.	N	C	20.114	-3.612	3.412
9000.	N2	C	26.247	-4.417	3.843
9000.	N2O	C	41.270	-6.174	4.449
9000.	NO	C	26.332	-4.283	3.550
9000.	O	C	18.778	-3.231	2.896
9000.	O2	C	24.744	-4.038	3.364
9000.	A	C2	31.694	-4.713	3.358
9000.	C	C2	30.649	-5.231	4.638
9000.	C2	C2	39.719	-6.299	5.020
9000.	CN	C2	36.898	-5.786	4.528
9000.	CO	C2	36.172	-5.573	4.233
9000.	CO2	C2	41.968	-5.422	2.745
9000.	N	C2	27.025	-4.571	4.003
9000.	N2	C2	34.416	-5.356	4.139
9000.	N2O	C2	52.391	-6.991	3.890
9000.	NO	C2	34.467	-5.141	3.684
9000.	O	C2	25.285	-4.052	3.283
9000.	O2	C2	32.824	-4.913	3.543
9000.	A	CN	29.249	-4.292	2.980
9000.	C	CN	28.344	-4.796	4.203
9000.	CN	CN	34.469	-5.344	4.103
9000.	CO	CN	33.623	-5.117	3.804
9000.	CO2	CN	39.134	-4.959	2.358
9000.	N	CN	24.848	-4.164	3.602
9000.	N2	CN	31.925	-4.914	3.727
9000.	N2O	CN	49.067	-6.434	3.407
9000.	NO	CN	32.067	-4.722	3.300
9000.	O	CN	23.382	-3.708	2.955
9000.	O2	CN	30.322	-4.480	3.153
9000.	CO	CO	32.687	-4.880	3.502
9000.	CO2	CO	38.060	-4.677	1.989
9000.	N2	CO	31.024	-4.685	3.435
9000.	N2O	CO	47.901	-6.102	2.953
9000.	NO	CO	31.109	-4.481	2.994
9000.	O2	CO	29.381	-4.250	2.866
9000.	CO2	CO2	43.779	-3.818	-0.984
9000.	N2O	CO2	54.755	-5.115	-0.518
9000.	CO	N	24.205	-4.000	3.392
9000.	CO2	N	28.617	-4.118	2.747
9000.	N	N	17.390	-3.100	2.902

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
9000.	N2	N	22.750	-3.818	3.30.
9000.	H2O	N	36.709	-5.415	3.797
9000.	NO	N	23.029	-3.707	3.025
9000.	O2	N	21.542	-3.478	2.850
9000.	A	N+	-50.832	69.864	-156.063
9000.	N	N+	-3.133	15.165	-33.201
9000.	N2	N+	-5.263	21.268	-46.430
9000.	NO	N+	-6.430	22.572	-49.198
9000.	O	N+	0.865	10.416	-23.330
9000.	CO2	N2	36.292	-4.543	2.069
9000.	N2	N2	29.503	-4.507	3.373
9000.	N2O	N2	45.824	-5.940	3.038
9000.	N	N2+	5.297	11.852	-27.390
9000.	N2O	N2O	67.366	-6.689	0.194
9000.	CO2	NO	35.278	-4.270	1.708
9000.	N2	NO	29.638	-4.325	2.969
9000.	N2O	NO	45.944	-5.548	2.196
9000.	NO	NO	29.714	-4.115	2.518
9000.	O2	NO	27.973	-3.891	2.406
9000.	N	NO+	5.331	11.714	-27.094
9000.	N2	NO+	5.724	16.774	-38.404
9000.	O	NO+	7.860	8.149	-19.691
9000.	CO	O	22.567	-3.518	2.726
9000.	CO2	O	26.764	-3.521	1.862
9000.	N	O	16.110	-2.749	2.438
9000.	N2	O	21.360	-3.363	2.650
9000.	N2O	O	34.570	-4.692	2.730
9000.	NO	O	21.444	-3.240	2.377
9000.	O	O	14.891	-2.411	1.985
9000.	O2	O	19.990	-3.058	2.294
9000.	A	O+	-56.613	76.400	-174.027
9000.	N	O+	-5.302	16.330	-35.485
9000.	N2	O+	-8.326	22.957	-49.798
9000.	O	O+	-1.066	11.314	-24.991
9000.	N	O-	-0.624	14.572	-32.311
9000.	CO2	O2	34.397	-4.007	1.338
9000.	N2	O2	27.955	-4.095	2.833
9000.	N2O	O2	43.405	-5.272	2.139
9000.	O2	O2	26.372	-3.685	2.302

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
12000.	A	A	23.414	-3.665	2.860
12000.	CO	A	27.176	-4.385	3.591
12000.	N	A	19.805	-3.467	3.176
12000.	N2	A	25.736	-4.192	3.481
12000.	NO	A	25.850	-4.055	3.176
12000.	O	A	18.440	-3.080	2.652
12000.	O2	A	24.340	-3.831	3.017
12000.	N	A+	4.341	9.461	-21.889
12000.	O	A+	6.712	6.297	-15.346
12000.	CO2	A	32.047	-4.450	2.741
12000.	N2O	A	40.713	-5.810	3.806
12000.	A	C	22.767	-4.018	3.718
12000.	C	C	21.925	-4.203	4.264
12000.	CO	C	26.237	-4.727	4.482
12000.	CO2	C	31.168	-5.091	4.245
12000.	N	C	19.070	-3.635	3.666
12000.	N2	C	24.958	-4.526	4.324
12000.	N2O	C	39.434	-6.554	5.604
12000.	NO	C	25.075	-4.432	4.109
12000.	O	C	17.838	-3.290	3.204
12000.	O2	C	23.560	-4.175	3.882
12000.	A	C2	30.291	-5.012	4.259
12000.	C	C2	29.126	-5.338	5.163
12000.	C2	C2	37.864	-6.568	5.947
12000.	CN	C2	35.190	-6.053	5.422
12000.	CO	C2	34.523	-5.862	5.161
12000.	CO2	C2	40.312	-6.041	4.367
12000.	N	C2	25.692	-4.677	4.488
12000.	N2	C2	32.834	-5.616	4.994
12000.	N2O	C2	50.269	-7.703	5.798
12000.	NO	C2	32.937	-5.462	4.656
12000.	O	C2	24.094	-4.212	3.851
12000.	O2	C2	31.364	-5.214	4.460
12000.	A	CN	27.968	-4.584	3.841
12000.	C	CN	26.946	-4.906	4.710
12000.	CN	CN	32.889	-5.610	4.971
12000.	CO	CN	32.106	-5.402	4.700
12000.	CO2	CN	37.614	-5.563	3.922
12000.	N	CN	23.632	-4.272	4.067
12000.	N2	CN	30.471	-5.170	4.540
12000.	N2O	CN	47.108	-7.132	5.254
12000.	NO	CN	30.659	-5.037	4.237
12000.	O	CN	22.289	-3.866	3.501
12000.	O2	CN	28.987	-4.774	4.030
12000.	CO	CO	31.235	-5.183	4.422
12000.	CO2	CO	36.618	-5.305	3.587
12000.	N2	CO	29.633	-4.959	4.280
12000.	N2O	CO	46.033	-6.832	4.850
12000.	NO	CO	29.768	-4.814	3.954
12000.	O2	CO	28.110	-4.560	3.764
12000.	CO2	CO2	42.504	-4.070	1.692
12000.	N2O	CO2	53.078	-6.461	2.646
12000.	CO	N	23.034	-4.120	3.874
12000.	CO2	N	27.384	-4.426	3.632
12000.	N	N	16.493	-3.125	3.133

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
12000.	N2	N	21.675	-3.917	3.728
12000.	N2O	N	35.095	-5.773	4.864
12000.	NO	N	21.940	-3.848	3.534
12000.	O2	N	20.521	-3.607	3.321
12000.	A	N+	-33.872	49.365	-107.875
12000.	N	N+	0.555	10.707	-23.922
12000.	N2	N+	-0.106	15.052	-33.466
12000.	NO	N+	-0.931	16.004	-35.440
12000.	O	N+	3.376	7.219	-16.712
12000.	CO2	N2	34.897	-5.118	3.549
12000.	N2	N2	28.168	-4.753	4.150
12000.	N2O	N2	44.012	-6.610	4.799
12000.	N	N2+	8.125	8.000	-19.446
12000.	N2O	N2O	65.207	-8.236	3.872
12000.	CO2	NO	33.957	-4.870	3.224
12000.	N2	NO	28.347	-4.627	3.854
12000.	N2O	NO	44.227	-6.332	4.177
12000.	NO	NO	28.474	-4.478	3.521
12000.	O2	NO	26.801	-4.228	3.342
12000.	N	NO+	8.124	7.902	-19.231
12000.	N2	NO+	9.739	11.414	-27.341
12000.	O	NO+	9.773	5.291	-13.780
12000.	CO	O	21.528	-3.687	3.284
12000.	CO2	O	25.692	-3.899	2.883
12000.	N	O	15.309	-2.806	2.714
12000.	N2	O	20.368	-3.514	3.161
12000.	N2O	O	33.151	-5.140	3.948
12000.	NO	O	20.482	-3.428	2.961
12000.	O	O	14.183	-2.499	2.307
12000.	O2	O	19.084	-3.223	2.818
12000.	A	O+	-38.161	53.451	-118.189
12000.	N	O+	-1.320	11.606	-25.585
12000.	N2	O+	-2.723	16.345	-35.891
12000.	O	O+	1.678	7.933	-17.960
12000.	N	O-	2.905	10.184	-23.204
12000.	CO2	O2	33.148	-4.634	2.899
12000.	N2	O2	26.733	-4.376	3.660
12000.	N2O	O2	41.775	-6.004	3.995
12000.	O2	O2	25.264	-3.998	3.176

TABLE G (Continued)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
15000.	A	A	22.579	-3.808	3.322
15000.	CO	A	26.183	-4.523	4.073
15000.	N	A	19.025	-3.509	3.418
15000.	N2	A	24.785	-4.313	3.922
15000.	NO	A	24.926	-4.211	3.682
15000.	O	A	17.744	-3.151	2.937
15000.	O2	A	23.468	-3.975	3.489
15000.	N	A+	6.166	6.992	-16.796
15000.	O	A+	7.909	4.499	-11.635
15000.	CO2	A	31.016	-4.768	3.609
15000.	N2O	A	39.373	-6.180	4.843
15000.	A	C	21.865	-4.059	3.982
15000.	C	C	20.990	-4.172	4.385
15000.	CO	C	25.179	-4.754	4.748
15000.	CO2	C	30.015	-5.235	4.773
15000.	N	C	18.261	-3.612	3.779
15000.	N2	C	23.945	-4.545	4.565
15000.	N2O	C	37.952	-6.712	6.226
15000.	NO	C	24.080	-4.476	4.397
15000.	O	C	17.103	-3.292	3.354
15000.	O2	C	22.623	-4.214	4.149
15000.	A	C2	29.157	-5.139	4.746
15000.	C	C2	27.933	-5.349	5.421
15000.	C2	C2	36.387	-6.661	6.433
15000.	CN	C2	33.827	-6.150	5.894
15000.	CO	C2	33.201	-5.974	5.656
15000.	CO2	C2	38.928	-6.345	5.274
15000.	N	C2	24.646	-4.693	4.728
15000.	N2	C2	31.568	-5.714	5.448
15000.	N2O	C2	48.509	-8.045	6.859
15000.	NO	C2	31.701	-5.597	5.181
15000.	O	C2	23.147	-4.264	4.147
15000.	O2	C2	30.185	-5.340	4.955
15000.	A	CN	26.930	-4.710	4.309
15000.	C	CN	25.848	-4.923	4.962
15000.	CN	CN	31.624	-5.711	5.431
15000.	CO	CN	30.886	-5.517	5.179
15000.	CO2	CN	36.337	-5.862	4.799
15000.	N	CN	22.675	-4.293	4.300
15000.	N2	CN	29.305	-5.270	4.987
15000.	N2O	CN	45.476	-7.471	6.284
15000.	NO	CN	29.518	-5.173	4.744
15000.	O	CN	21.420	-3.921	3.787
15000.	O2	CN	27.906	-4.909	4.505
15000.	CO	CO	30.063	-5.310	4.918
15000.	CO2	CO	35.397	-5.620	4.488
15000.	N2	CO	28.513	-5.070	4.734
15000.	N2O	CO	44.465	-7.194	5.913
15000.	NO	CO	28.676	-4.962	4.479
15000.	O2	CO	27.076	-4.697	4.253
15000.	CO2	CO2	41.322	-5.595	3.237
15000.	N2O	CO2	51.550	-7.186	4.466
15000.	CO	N	22.111	-4.150	4.119
15000.	CO2	N	26.380	-4.562	4.116
15000.	N	N	15.797	-3.109	3.238

TABLE G (Concluded)

T	Pair		B	TdB/dT	T^2d^2B/dT^2
15000.	N2	N	20.798	-3.937	3.942
15000.	N2O	N	33.788	-5.927	5.443
15000.	NO	N	21.075	-3.893	3.798
15000.	O2	N	19.710	-3.647	3.565
15000.	A	N+	-24.184	37.992	-82.211
15000.	N	N+	2.640	8.084	-18.497
15000.	N2	N+	2.829	11.398	-25.897
15000.	NO	N+	2.193	12.150	-27.438
15000.	O	N+	4.768	5.334	-12.821
15000.	CO2	N2	33.720	-5.405	4.381
15000.	N2	N2	27.095	-4.850	4.565
15000.	N2O	N2	42.497	-6.939	5.783
15000.	N	N2+	9.646	5.727	-14.753
15000.	N2O	N2O	63.272	-9.061	5.982
15000.	CO2	NO	32.835	-5.173	4.079
15000.	N2	NO	27.298	-4.759	4.336
15000.	N2O	NO	42.767	-6.729	5.296
15000.	NO	NO	27.454	-4.647	4.075
15000.	O2	NO	25.839	-4.384	3.857
15000.	N	NO+	9.627	5.652	-14.586
15000.	N2	NO+	11.919	8.251	-20.814
15000.	O	NO+	10.758	3.606	-10.290
15000.	CO	O	20.697	-3.750	3.579
15000.	CO2	O	24.800	-4.082	3.442
15000.	N	O	14.682	-2.811	2.849
15000.	N2	O	19.577	-3.568	3.430
15000.	N2O	O	31.978	-5.353	4.623
15000.	NO	O	19.708	-3.505	3.274
15000.	O	O	13.622	-2.525	2.473
15000.	O2	O	18.356	-3.289	3.098
15000.	A	O+	-27.696	40.949	-89.242
15000.	N	O+	0.949	8.834	-19.829
15000.	N2	O+	0.474	12.470	-27.827
15000.	O	O+	3.217	5.942	-13.845
15000.	N	O-	4.878	7.599	-17.864
15000.	CO2	O2	32.076	-4.956	3.784
15000.	N2	O2	25.741	-4.497	4.110
15000.	N2O	O2	40.391	-6.375	5.041
15000.	O2	O2	24.354	-4.143	3.657

TABLE H

PROPERTY DIFFERENCES AT 6000, 9000, 12,000, AND 15,000°K
T = 6000°K

LOG ρ/ρ_o	Z	E /RT	H /RT	S/R
-7.00	-0.00000	-0.00001	-0.00002	-0.00000
-6.80	-0.00000	-0.00001	-0.00002	-0.00000
-6.60	-0.00000	-0.00001	-0.00001	-0.00000
-6.40	-0.00000	-0.00001	-0.00001	-0.00000
-6.20	-0.00000	-0.00001	-0.00001	-0.00000
-6.00	-0.00000	-0.00001	-0.00001	-0.00000
-5.80	-0.00000	-0.00001	-0.00001	-0.00000
-5.60	-0.00000	-0.00001	-0.00001	-0.00000
-5.40	-0.00000	-0.00001	-0.00001	-0.00000
-5.20	-0.00000	-0.00000	-0.00001	-0.00000
-5.00	-0.00000	-0.00000	-0.00001	-0.00000
-4.80	-0.00000	-0.00000	-0.00000	-0.00000
-4.60	-0.00000	-0.00000	-0.00000	-0.00000
-4.40	-0.00000	-0.00000	-0.00000	-0.00000
-4.20	-0.00000	-0.00000	-0.00000	-0.00000
-4.00	-0.00000	-0.00000	-0.00000	-0.00000
-3.80	-0.00000	-0.00000	-0.00000	-0.00000
-3.60	-0.00000	-0.00000	-0.00000	-0.00000
-3.40	0.00000	-0.00000	-0.00000	-0.00000
-3.20	0.00000	-0.00000	-0.00000	-0.00000
-3.00	0.00000	-0.00000	-0.00000	-0.00000
-2.80	0.00000	-0.00000	0.00000	-0.00000
-2.60	0.00000	-0.00000	0.00000	-0.00001
-2.40	0.00001	-0.00000	0.00001	-0.00001
-2.20	0.00001	-0.00000	0.00001	-0.00001
-2.00	0.00002	-0.00000	0.00002	-0.00002
-1.80	0.00003	0.00000	0.00003	-0.00003
-1.60	0.00005	0.00000	0.00005	-0.00004
-1.40	0.00007	0.00001	0.00008	-0.00006
-1.20	0.00011	0.00001	0.00012	-0.00010
-1.00	0.00017	0.00002	0.00019	-0.00015
-0.80	0.00027	0.00003	0.00030	-0.00024
-0.60	0.00043	0.00005	0.00048	-0.00038
-0.40	0.00067	0.00008	0.00075	-0.00059
-0.20	0.00105	0.00013	0.00118	-0.00092
0.	0.00165	0.00020	0.00185	-0.00144
0.20	0.00258	0.00032	0.00290	-0.00226
0.40	0.00405	0.00050	0.00455	-0.00355
0.60	0.00633	0.00078	0.00711	-0.00555
0.80	0.00990	0.00122	0.01112	-0.00868
1.00	0.01547	0.00190	0.01737	-0.01357
1.20	0.02417	0.00295	0.02711	-0.02121
1.40	0.03775	0.00458	0.04233	-0.03316
1.60	0.05899	0.00713	0.06611	-0.05186
1.80	0.09222	0.01109	0.10331	-0.08112
2.00	0.14423	0.01727	0.16150	-0.12675
2.20	0.22550	0.02689	0.25239	-0.19860

TABLE II (Continued)

T = 9000°K

LOG ρ/ρ_o	Z	E /RT	H /RT	S/R
-7.00	-C.CCC54	-0.00163	-0.00218	-C.00054
-6.80	-C.CCC64	-C.CC193	-0.00258	-C.00064
-6.60	-0.CCC75	-C.00224	-0.00298	-C.00075
-6.40	-C.CCC84	-0.00252	-0.00336	-C.00084
-6.20	-C.CCC92	-0.00275	-0.00367	-C.00092
-6.00	-C.CCC97	-0.CC292	-0.00389	-C.00097
-5.80	-C.00100	-C.00301	-0.00401	-C.00100
-5.60	-C.00101	-0.00303	-0.00403	-C.00101
-5.40	-C.CCC99	-0.00297	-0.00397	-C.00099
-5.20	-C.CCC96	-C.00287	-0.00383	-C.00096
-5.00	-C.CCC91	-0.00273	-0.00364	-C.00091
-4.80	-C.CCC85	-0.00256	-0.00341	-C.00085
-4.60	-C.CCC79	-0.00238	-0.00317	-C.00079
-4.40	-C.CCC73	-0.00219	-0.00292	-C.00073
-4.20	-C.CCC67	-0.00200	-0.00267	-C.00067
-4.00	-C.CCC61	-0.CC182	-0.00243	-C.00061
-3.80	-C.CCC55	-0.CC165	-0.0022C	-C.00055
-3.60	-C.CCC50	-0.CC149	-0.CC199	-C.CCC5C
-3.40	-C.00045	-0.00135	-0.00180	-C.00045
-3.20	-C.CCC40	-0.00121	-0.00161	-C.00041
-3.00	-C.CCC36	-0.CC109	-0.00145	-C.CCC37
-2.80	-C.CCC32	-C.CCC98	-0.0013C	-C.00033
-2.60	-C.CCC29	-C.CCC88	-0.00116	-C.00030
-2.40	-C.CCC25	-0.CCC78	-0.CC103	-C.00027
-2.20	-C.CCC22	-0.CCC7C	-0.00092	-C.00025
-2.00	-C.CCC18	-C.CCC63	-0.00081	-C.00023
-1.80	-C.CCC14	-0.CCC56	-0.00070	-C.00023
-1.60	-C.CCC10	-0.00049	-0.00059	-C.00023
-1.40	-C.CCC04	-C.CC044	-0.00047	-C.00025
-1.20	C.00004	-0.00038	-0.00034	-C.00028
-1.00	C.00015	-0.CCC32	-0.00018	-C.00035
-0.80	C.00030	-0.CCC27	0.00004	-0.00046
-0.60	C.CCC53	-0.CCC2C	0.00033	-C.00063
-0.40	C.CCC86	-0.CC013	0.00073	-C.00089
-0.20	C.00135	-0.CC004	0.00132	-C.00130
0.	C.00209	0.CC009	0.00218	-C.00191
0.20	C.00319	0.00027	0.00346	-C.00284
0.40	C.00487	0.00053	0.00541	-C.00425
0.60	C.00744	0.00093	0.00837	-C.00641
0.80	C.01137	0.00153	0.01290	-C.00974
1.00	C.01743	0.00245	0.01988	-C.01487
1.20	C.02677	0.00387	0.03065	-C.02279
1.40	C.04123	0.00605	0.04728	-C.03504
1.60	C.06359	0.00940	0.07299	-C.05403
1.80	0.09820	0.01455	0.11275	-C.08345
2.00	C.15171	0.02242	0.17413	-C.12901
2.20	0.23427	0.03435	0.26863	-C.19949

TABLE H (Continued)

T = 12,000°K

LOG ρ/ρ_o	Z	E /RT	H /RT	S/R
-7.00	-0.00040	-0.00120	-0.00160	-0.00040
-6.80	-0.00050	-0.00151	-0.00201	-0.00050
-6.60	-0.00063	-0.00190	-0.00253	-0.00063
-6.40	-0.00080	-0.00239	-0.00318	-0.00080
-6.20	-0.00100	-0.00300	-0.00400	-0.00100
-6.00	-0.00125	-0.00376	-0.00501	-0.00125
-5.80	-0.00157	-0.00471	-0.00628	-0.00157
-5.60	-0.00196	-0.00588	-0.00783	-0.00196
-5.40	-0.00243	-0.00730	-0.00973	-0.00243
-5.20	-0.00300	-0.00900	-0.01200	-0.00300
-5.00	-0.00366	-0.01099	-0.01465	-0.00366
-4.80	-0.00441	-0.01322	-0.01763	-0.00441
-4.60	-0.00520	-0.01561	-0.02081	-0.00520
-4.40	-0.00600	-0.01799	-0.02399	-0.00600
-4.20	-0.00673	-0.02019	-0.02692	-0.00673
-4.00	-0.00733	-0.02200	-0.02933	-0.00733
-3.80	-0.00776	-0.02328	-0.03104	-0.00776
-3.60	-0.00799	-0.02397	-0.03196	-0.00799
-3.40	-0.00803	-0.02409	-0.03211	-0.00803
-3.20	-0.00790	-0.02369	-0.03159	-0.00790
-3.00	-0.00763	-0.02289	-0.03052	-0.00763
-2.80	-0.00726	-0.02180	-0.02906	-0.00727
-2.60	-0.00683	-0.02051	-0.02734	-0.00684
-2.40	-0.00636	-0.01912	-0.02548	-0.00638
-2.20	-0.00588	-0.01769	-0.02357	-0.00591
-2.00	-0.00540	-0.01627	-0.02167	-0.00544
-1.80	-0.00493	-0.01489	-0.01982	-0.00500
-1.60	-0.00447	-0.01359	-0.01806	-0.00459
-1.40	-0.00403	-0.01237	-0.01639	-0.00421
-1.20	-0.00359	-0.01123	-0.01482	-0.00389
-1.00	-0.00315	-0.01018	-0.01333	-0.00362
-0.80	-0.00267	-0.00922	-0.01189	-0.00345
-0.60	-0.00214	-0.00832	-0.01046	-0.00337
-0.40	-0.00149	-0.00749	-0.00898	-0.00345
-0.20	-0.00064	-0.00669	-0.00734	-0.00373
0.	0.00052	-0.00592	-0.00539	-0.00432
0.20	0.00218	-0.00512	-0.00294	-0.00536
0.40	0.00460	-0.00427	0.00033	-0.00707
0.60	0.00813	-0.00329	0.00484	-0.00976
0.80	0.01333	-0.00212	0.01121	-0.01387
1.00	0.02100	-0.00063	0.02037	-0.02010
1.20	0.03234	0.00135	0.03369	-0.02947
1.40	0.04920	0.00406	0.05325	-0.04355
1.60	0.07433	0.00784	0.08217	-0.06472
1.80	0.11193	0.01309	0.12501	-0.09668
2.00	0.16811	0.02003	0.18814	-0.14508
2.20	0.25109	0.02699	0.27809	-0.21883

TABLE II (Concluded)

T = 15,000°K

LOG ρ/ρ_o	Z	E /RT	H /RT	S /R
-7.00	-0.00035	-0.00106	-0.00142	-0.00035
-6.80	-0.00042	-0.00125	-0.00167	-0.00042
-6.60	-0.00050	-0.00150	-0.00200	-0.00050
-6.40	-0.00061	-0.00183	-0.00244	-0.00061
-6.20	-0.00075	-0.00225	-0.00300	-0.00075
-6.00	-0.00093	-0.00279	-0.00372	-0.00093
-5.80	-0.00116	-0.00348	-0.00464	-0.00116
-5.60	-0.00145	-0.00435	-0.00580	-0.00145
-5.40	-0.00182	-0.00545	-0.00727	-0.00182
-5.20	-0.00228	-0.00684	-0.00911	-0.00228
-5.00	-0.00286	-0.00858	-0.01144	-0.00286
-4.80	-0.00359	-0.01076	-0.01434	-0.00359
-4.60	-0.00449	-0.01348	-0.01797	-0.00449
-4.40	-0.00562	-0.01685	-0.02246	-0.00562
-4.20	-0.00700	-0.02099	-0.02798	-0.00700
-4.00	-0.00867	-0.02601	-0.03467	-0.00867
-3.80	-0.01065	-0.03196	-0.04262	-0.01065
-3.60	-0.01295	-0.03884	-0.05179	-0.01295
-3.40	-0.01549	-0.04646	-0.06194	-0.01549
-3.20	-0.01815	-0.05445	-0.07261	-0.01815
-3.00	-0.02076	-0.06229	-0.08306	-0.02077
-2.80	-0.02311	-0.06935	-0.09246	-0.02312
-2.60	-0.02501	-0.07504	-0.10005	-0.02502
-2.40	-0.02633	-0.07899	-0.10532	-0.02634
-2.20	-0.02702	-0.08107	-0.10809	-0.02703
-2.00	-0.02711	-0.08138	-0.10849	-0.02714
-1.80	-0.02669	-0.08015	-0.10684	-0.02674
-1.60	-0.02587	-0.07773	-0.10359	-0.02595
-1.40	-0.02475	-0.07444	-0.09919	-0.02489
-1.20	-0.02342	-0.07061	-0.09403	-0.02366
-1.00	-0.02196	-0.06648	-0.08845	-0.02236
-0.80	-0.02043	-0.06227	-0.08270	-0.02108
-0.60	-0.01883	-0.05812	-0.07695	-0.01990
-0.40	-0.01716	-0.05413	-0.07129	-0.01890
-0.20	-0.01536	-0.05038	-0.06574	-0.01817
0.	-0.01332	-0.04689	-0.06021	-0.01785
0.20	-0.01086	-0.04369	-0.05455	-0.01810
0.40	-0.00768	-0.04075	-0.04843	-0.01920
0.60	-0.00332	-0.03806	-0.04138	-0.02156
0.80	0.00290	-0.03557	-0.03268	-0.02579
1.00	0.01197	-0.03326	-0.02129	-0.03282
1.20	0.02531	-0.03115	-0.00584	-0.04398
1.40	0.04484	-0.02944	0.01540	-0.06123
1.60	0.07310	-0.02893	0.04418	-0.08747
1.80	0.11303	-0.03228	0.08075	-0.12726
2.00	0.16574	-0.05055	0.11518	-0.18901
2.20	0.19891	-0.18162	0.01729	-0.30712

TABLE I

VALUES FOR $\Gamma_i^{(1)}$ AT 6000°K

$\log \rho/\rho_0$	2.00	= 2.20	= 2.40
N2	1.00000E 00	1.00000E 00	1.00000E 00
O2	1.00000E 00	1.00000E 00	1.00000E 00
NO	1.00000E 00	1.00000E 00	1.00000E 00
CO	1.00000E 00	1.00000E 00	1.00000E 00
CO2	1.00000E 00	1.00000E 00	1.00000E 00
NO2	1.00000E 00	1.00000E 00	1.00000E 00
N2O	1.00000E 00	1.00000E 00	1.00000E 00
N2+	1.29422E 00	1.39050E 00	1.55311E 00
O2+	1.29422E 00	1.39050E 00	1.55311E 00
O2-	1.00000E 00	1.00000E 00	1.00000E 00
NO+	1.29422E 00	1.39050E 00	1.55311E 00
CO+	1.29422E 00	1.39050E 00	1.55311E 00
O-	1.00000E 00	1.00000E 00	1.00000E 00
N+	1.29422E 00	1.39050E 00	1.55311E 00
N++	2.16781E 00	2.68852E 00	3.74636E 00
O+	1.29422E 00	1.39050E 00	1.55311E 00
O++	2.16781E 00	2.68852E 00	3.74636E 00
A+	1.29422E 00	1.39050E 00	1.55311E 00
A++	2.16781E 00	2.68852E 00	3.74636E 00
C+	1.29422E 00	1.39050E 00	1.55311E 00
C++	2.16781E 00	2.68852E 00	3.74636E 00
NE+	1.29422E 00	1.39050E 00	1.55311E 00
N	1.00000E 00	1.00000E 00	1.00000E 00
O	1.00000E 00	1.00000E 00	1.00000E 00
A	1.00000E 00	1.00000E 00	1.00000E 00
C	1.00000E 00	1.00000E 00	1.00000E 00
NE	1.00000E 00	1.00000E 00	1.00000E 00
E-	1.00000E 00	1.00000E 00	1.00000E 00

TABLE J

VALUES FOR $\Gamma_1^{(2)}$ AT 6000°K

$\log \rho/\rho_o$ =	2.00	2.20	2.40
N2	1.17014E 00	1.28095E 00	1.47646E 00
O2	1.15324E 00	1.25194E 00	1.42424E 00
NO	1.15210E 00	1.25005E 00	1.42094E 00
CO	1.17444E 00	1.28835E 00	1.48987E 00
CO2	1.38207E 00	1.66538E 00	2.23189E 00
NO2	1.87801E 00	2.69789E 00	4.76318E 00
N2O	1.23683E 00	1.39869E 00	1.69700E 00
N2+	1.55374E 00	2.00153E 00	2.97806E 00
O2+	1.50666E 00	1.90701E 00	2.76020E 00
O2-	1.50666E 00	1.90701E 00	2.76020E 00
NO+	1.55519E 00	2.00668E 00	2.99513E 00
CO+	1.58200E 00	2.05904E 00	3.11351E 00
O-	1.22781E 00	1.38142E 00	1.66205E 00
N+	1.43362E 00	1.76461E 00	2.44559E 00
N++	1.24647E 00	1.41473E 00	1.72566E 00
O+	1.41299E 00	1.72061E 00	2.34362E 00
O++	1.22746E 00	1.38094E 00	1.66139E 00
A+	1.29417E 00	1.50032E 00	1.89161E 00
A++	1.29331E 00	1.49909E 00	1.88975E 00
C+	1.28884E 00	1.49104E 00	1.87404E 00
C++	1.28884E 00	1.49104E 00	1.87404E 00
NE+	1.00000E 00	1.00000E 00	1.00000E 00
N	1.00000E 00	1.00000E 00	1.00000E 00
O	1.00000E 00	1.00000E 00	1.00000E 00
A	1.00000E 00	1.00000E 00	1.00000E 00
C	1.00000E 00	1.00000E 00	1.00000E 00
NE	1.00000E 00	1.00000E 00	1.00000E 00
E-	1.00000E 00	1.00000E 00	1.00000E 00

TABLE K

EQUILIBRIUM COMPOSITION AT 6000°K

$\log \rho/\rho_o$ =	2.00	2.20	2.40
N2	6.60784E-01	6.65236E-01	6.69753E-01
O2	7.02322E-02	7.74053E-02	8.34753E-02
NO	1.55115E-01	1.62625E-01	1.68212E-01
CO	2.61787E-04	2.48979E-04	2.31258E-04
CO2	5.13831E-05	6.77133E-05	8.88607E-05
NO2	1.28625E-03	2.25220E-03	4.41123E-03
N2O	1.84692E-04	2.42292E-04	3.13047E-04
N2+	1.38409E-08	1.37087E-08	1.49215E-08
O2+	2.93152E-07	3.14937E-07	3.61909E-07
O2-	2.18583E-10	3.60959E-10	6.60506E-10
NO+	4.28728E-05	4.46889E-05	5.08338E-05
CO+	7.74392E-11	7.30561E-11	7.43117E-11
O-	2.79629E-05	3.25402E-05	4.05981E-05
N+	4.81119E-10	3.79253E-10	3.28565E-10
N++	3.25334E-30	2.12408E-30	1.51510E-30
O+	1.54642E-08	1.26709E-08	1.12393E-08
O++	0.	0.	0.
A+	2.42209E-10	2.37387E-10	2.53381E-10
A++	1.98006E-28	1.74288E-28	1.73997E-28
C+	1.65735E-13	1.10174E-13	7.64060E-14
C++	8.03902E-30	4.80022E-30	3.11413E-30
NE+	8.34137E-18	7.05199E-18	5.97007E-18
N	3.68747E-03	2.82464E-03	2.10826E-03
O	9.94179E-02	8.00152E-02	6.22162E-02
A	8.86387E-03	8.96336E-03	9.06030E-03
C	8.64771E-09	5.94356E-09	3.91569E-09
NE	2.84707E-05	2.87902E-05	2.91016E-05
E-	1.52330E-05	1.24902E-05	1.06238E-05

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.792-01	2.079-01	1.372-03	4.541-C6	3.251-04	5.740-09	4.803-11	1.580-31	4.236-21
-6.8	7.794-01	2.076-01	1.373-03	3.[illegible]16-C6	3.261-04	7.736-09	6.652-11	1.255-31	3.369-21
-6.6	7.795-01	2.078-01	1.374-03	2.076-C6	3.269-04	9.121-09	7.625-11	9.966-32	2.678-21
-6.4	7.797-01	2.080-01	1.375-03	2.270-C6	3.275-04	1.149-08	9.604-11	7.916-32	2.129-21
-6.2	7.798-01	2.082-01	1.376-03	1.871-C6	3.280-04	1.448-08	1.210-10	6.288-32	1.692-21
-6.0	7.799-01	2.083-01	1.376-03	1.448-C6	3.284-04	1.824-08	1.523-10	4.996-32	1.345-21
-5.8	7.799-01	2.084-01	1.376-03	1.151-C6	3.287-04	2.297-08	1.918-10	3.967-32	1.069-21
-5.6	7.800-01	2.085-01	1.377-03	9.146-C7	3.290-04	2.893-08	2.415-10	3.151-32	8.490-22
-5.4	7.800-01	2.086-01	1.377-03	7.271-C7	3.292-04	3.643-08	3.041-10	2.503-32	6.746-22
-5.2	7.800-01	2.086-01	1.377-03	5.778-C7	3.294-04	4.588-08	3.829-10	1.988-32	5.359-22
-5.0	7.801-01	2.086-01	1.377-03	4.591-C7	3.295-04	5.777-08	4.822-10	1.579-32	4.256-22
-4.8	7.801-01	2.087-01	1.377-03	3.648-C7	3.296-04	7.274-08	6.071-10	1.254-32	3.382-22
-4.6	7.801-01	2.087-01	1.378-03	2.898-C7	3.297-04	9.158-08	7.643-10	9.956-33	2.687-22
-4.4	7.801-01	2.087-01	1.378-03	2.302-C7	3.297-04	1.153-07	9.622-10	7.907-33	2.134-22
-4.2	7.801-01	2.087-01	1.378-03	1.829-C7	3.298-04	1.452-07	1.211-09	6.264-33	1.689-22
-4.0	7.801-01	2.087-01	1.378-03	1.453-C7	3.298-04	1.828-07	1.525-09	4.971-33	1.341-22
-3.8	7.801-01	2.087-01	1.378-03	1.154-C7	3.299-04	2.301-07	1.920-09	3.944-33	1.066-22
-3.6	7.801-01	2.087-01	1.378-03	9.169-C8	3.299-04	2.897-07	2.417-09	3.128-33	8.458-23
-3.4	7.801-01	2.087-01	1.378-03	7.283-C8	3.299-04	3.647-07	3.043-09	2.480-33	6.690-23
-3.2	7.801-01	2.088-01	1.378-03	5.788-C8	3.299-04	4.591-07	3.831-09	1.966-33	5.302-23
-3.0	7.801-01	2.088-01	1.378-03	4.599-C8	3.299-04	5.780-07	4.823-09	1.559-33	4.199-23
-2.8	7.801-01	2.088-01	1.378-03	3.651-C8	3.300-04	7.277-07	6.072-09	1.232-33	3.323-23
-2.6	7.801-01	2.088-01	1.378-03	2.900-C8	3.300-04	9.162-07	7.645-09	.000+00	2.627-23
-2.4	7.801-01	2.088-01	1.378-03	2.304-C8	3.300-04	1.153-06	9.624-09	.000+00	2.015-23
-2.2	7.801-01	2.088-01	1.378-03	1.830-C8	3.300-04	1.452-06	1.212-08	.000+00	1.577-23
-2.0	7.801-01	2.088-01	1.378-03	1.453-C8	3.300-04	1.828-06	1.525-08	.000+00	1.230-23
-1.8	7.801-01	2.088-01	1.378-03	1.155-C8	3.300-04	2.301-06	1.920-08	.000+00	9.539-24
-1.6	7.801-01	2.088-01	1.378-03	9.171-C9	3.300-04	2.898-06	2.417-08	.000+00	7.357-24
-1.4	7.801-01	2.088-01	1.378-03	7.285-C9	3.300-04	3.648-06	3.043-08	.000+00	5.631-24
-1.2	7.801-01	2.088-01	1.378-03	5.786-C9	3.300-04	4.593-06	3.832-08	.000+00	4.271-24
-1.0	7.801-01	2.088-01	1.378-03	4.596-C9	3.300-04	5.783-06	4.824-08	.000+00	3.203-24
-.8	7.801-01	2.088-01	1.378-03	3.650-C9	3.300-04	7.282-06	6.073-08	.000+00	2.369-24
-.6	7.801-01	2.088-01	1.378-03	2.899-C9	3.300-04	9.171-06	7.645-08	.000+00	1.725-24
-.4	7.801-01	2.088-01	1.378-03	2.303-C9	3.300-04	1.155-05	9.625-08	.000+00	1.233-24
-.2	7.801-01	2.088-01	1.378-03	1.829-C9	3.300-04	1.456-05	1.212-07	.000+00	8.647-25
.0	7.801-01	2.088-01	1.378-03	1.452-C9	3.300-04	1.835-05	1.526-07	.000+00	5.942-25
.2	7.801-01	2.087-01	1.378-03	1.152-C9	3.300-04	2.316-05	1.921-07	.000+00	4.008-25
.4	7.801-01	2.087-01	1.378-03	9.143-10	3.300-04	2.926-05	2.419-07	.000+00	2.663-25
.6	7.801-01	2.087-01	1.378-03	7.249-10	3.300-04	3.706-05	3.046-07	.000+00	1.743-25
.8	7.801-01	2.087-01	1.378-03	5.742-10	3.300-04	4.709-05	3.837-07	.000+00	1.132-25
1.0	7.801-01	2.087-01	1.377-03	4.540-10	3.300-04	6.017-05	4.835-07	.000+00	7.326-26
1.2	7.801-01	2.087-01	1.377-03	3.590-10	3.300-04	7.754-05	6.096-07	.000+00	4.741-26
1.4	7.801-01	2.087-01	1.376-03	2.811-10	3.300-04	1.013-04	7.692-07	.000+00	3.084-26
1.6	7.801-01	2.087-01	1.376-03	2.192-10	3.300-04	1.353-04	9.718-07	.000+00	2.030-26
1.8	7.801-01	2.086-01	1.374-03	1.691-10	3.300-04	1.870-04	1.231-06	.000+00	1.363-26
2.0	7.801-01	2.085-01	1.372-03	1.289-10	3.300-04	2.730-04	1.563-06	.000+00	9.476-27
2.2	7.801-01	2.084-01	1.369-03	9.472-11	3.301-04	4.346-04	1.997-06	.000+00	6.952-27
2.4	7.801-01	2.081-01	1.364-03	6.704-11	3.301-04	7.927-04	2.571-06	.000+00	5.548-27

T= 1500

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	.000+00	4.787-14	1.580-31	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-6.8	.000+C0	3.805-14	9.991-32	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-6.6	.000+00	3.024-14	6.315-32	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-6.4	.000+C0	2.403-14	3.990-32	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-6.2	.000+C0	1.909-14	2.520-32	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-6.0	.000+C0	1.517-14	1.592-32	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-5.8	.000+C0	1.205-14	1.005-32	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-5.6	.000+C0	9.572-15	6.344-33	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-5.4	.000+C0	7.605-15	4.005-33	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-5.2	.000+C0	6.041-15	2.528-33	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-5.0	.000+C0	4.799-15	1.595-33	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-4.8	.000+00	3.812-15	1.007-33	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-4.6	.000+C0	3.028-15	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-4.4	.000+C0	2.399-15	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-4.2	.000+C0	1.904-15	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-4.0	.000+C0	1.511-15	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-3.8	.000+00	1.199-15	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-3.6	.000+C0	9.508-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-3.4	.000+00	7.538-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-3.2	.000+C0	5.974-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-3.0	.000+C0	4.731-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-2.8	.000+00	3.744-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-2.6	.000+C0	2.960-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-2.4	.000+C0	2.271-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-2.2	.000+C0	1.777-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-2.0	.000+00	1.386-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-1.8	.000+C0	1.075-16	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-1.6	.000+C0	8.291-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-1.4	.000+C0	6.347-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-1.2	.000+C0	4.814-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-1.0	.000+C0	3.611-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-.8	.000+C0	2.673-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-.6	.000+C0	1.947-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-.4	.000+C0	1.394-17	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
-.2	.000+C0	9.787-18	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
.0	.000+C0	6.744-18	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
.2	.000+00	4.567-18	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
.4	.000+C0	3.051-18	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
.6	.000+C0	2.020-18	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
.8	.000+C0	1.335-18	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
1.0	.000+C0	8.869-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
1.2	.000+C0	5.980-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
1.4	.000+C0	4.155-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
1.6	.000+C0	3.035-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
1.8	.000+C0	2.406-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
2.0	.000+C0	2.173-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
2.2	.000+C0	2.416-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00
2.4	.000+C0	3.726-19	.000+00	.000+C0	.000+00	.000+00	.000+00	.000+00	.000+00

LOG D	A**	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	.000+00	.000+00	.000+00	7.182-11	2.447-03	9.329-03	.000+00	2.998-05
-6.8	.000+00	.000+00	.000+00	.000+00	5.726-11	1.961-03	9.331-03	.000+00	2.997-05
-6.6	.000+00	.000+00	.000+00	.000+00	4.533-11	1.559-03	9.333-03	.000+00	2.998-05
-6.4	.000+00	.000+00	.000+00	.000+00	3.602-11	1.239-03	9.334-03	.000+00	2.998-05
-6.2	.000+00	.000+00	.000+00	.000+00	2.861-11	9.846-04	9.335-03	.000+00	2.999-05
-6.0	.000+00	.000+00	.000+00	.000+00	2.273-11	7.824-04	9.336-03	.000+00	2.999-05
-5.8	.000+00	.000+00	.000+00	.000+00	1.806-11	6.216-04	9.337-03	.000+00	2.999-05
-5.6	.000+00	.000+00	.000+00	.000+00	1.434-11	4.939-04	9.338-03	.000+00	2.999-05
-5.4	.000+00	.000+00	.000+00	.000+00	1.139-11	3.924-04	9.338-03	.000+00	2.999-05
-5.2	.000+00	.000+00	.000+00	.000+00	9.051-12	3.117-04	9.339-03	.000+00	3.000-05
-5.0	.000+00	.000+00	.000+00	.000+00	7.190-12	2.476-04	9.339-03	.000+00	3.000-05
-4.8	.000+00	.000+00	.000+00	.000+00	5.711-12	1.967-04	9.339-03	.000+00	3.000-05
-4.6	.000+00	.000+00	.000+00	.000+00	4.537-12	1.563-04	9.339-03	.000+00	3.000-05
-4.4	.000+00	.000+00	.000+00	.000+00	3.604-12	1.241-04	9.339-03	.000+00	3.000-05
-4.2	.000+00	.000+00	.000+00	.000+00	2.863-12	9.861-05	9.340-03	.000+00	3.000-05
-4.0	.000+00	.000+00	.000+00	.000+00	2.274-12	7.833-05	9.340-03	.000+00	3.000-05
-3.8	.000+00	.000+00	.000+00	.000+00	1.806-12	6.222-05	9.340-03	.000+00	3.000-05
-3.6	.000+00	.000+00	.000+00	.000+00	1.435-12	4.942-05	9.340-03	.000+00	3.000-05
-3.4	.000+00	.000+00	.000+00	.000+00	1.140-12	3.926-05	9.340-03	.000+00	3.000-05
-3.2	.000+00	.000+00	.000+00	.000+00	9.052-13	3.119-05	9.340-03	.000+00	3.000-05
-3.0	.000+00	.000+00	.000+00	.000+00	7.191-13	2.477-05	9.340-03	.000+00	3.000-05
-2.8	.000+00	.000+00	.000+00	.000+00	5.712-13	1.968-05	9.340-03	.000+00	3.000-05
-2.6	.000+00	.000+00	.000+00	.000+00	4.537-13	1.563-05	9.340-03	.000+00	3.000-05
-2.4	.000+00	.000+00	.000+00	.000+00	3.604-13	1.242-05	9.340-03	.000+00	3.000-05
-2.2	.000+00	.000+00	.000+00	.000+00	2.863-13	9.862-06	9.340-03	.000+00	3.000-05
-2.0	.000+00	.000+00	.000+00	.000+00	2.274-13	7.834-06	9.340-03	.000+00	3.000-05
-1.8	.000+00	.000+00	.000+00	.000+00	1.806-13	6.223-06	9.340-03	.000+00	3.000-05
-1.6	.000+00	.000+00	.000+00	.000+00	1.435-13	4.943-06	9.340-03	.000+00	3.000-05
-1.4	.000+00	.000+00	.000+00	.000+00	1.140-13	3.926-06	9.340-03	.000+00	3.000-05
-1.2	.000+00	.000+00	.000+00	.000+00	9.052-14	3.119-06	9.340-03	.000+00	3.000-05
-1.0	.000+00	.000+00	.000+00	.000+00	7.190-14	2.477-06	9.340-03	.000+00	3.000-05
-.8	.000+00	.000+00	.000+00	.000+00	5.711-14	1.968-06	9.340-03	.000+00	3.000-05
-.6	.000+00	.000+00	.000+00	.000+00	4.536-14	1.563-06	9.340-03	.000+00	3.000-05
-.4	.000+00	.000+00	.000+00	.000+00	3.603-14	1.241-06	9.340-03	.000+00	3.000-05
-.2	.000+00	.000+00	.000+00	.000+00	2.861-14	9.857-07	9.340-03	.000+00	3.000-05
.0	.000+00	.000+00	.000+00	.000+00	2.272-14	7.827-07	9.340-03	.000+00	3.000-05
.2	.000+00	.000+00	.000+00	.000+00	1.804-14	6.215-07	9.340-03	.000+00	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	1.431-14	4.933-07	9.340-03	.000+00	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	1.135-14	3.914-07	9.340-03	.000+00	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	9.009-15	3.103-07	9.340-03	.000+00	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	7.125-15	2.457-07	9.340-03	.000+00	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	5.629-15	1.943-07	9.340-03	.000+00	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	4.433-15	1.532-07	9.340-03	.000+00	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	3.474-15	1.203-07	9.341-03	.000+00	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	2.701-15	9.377-08	9.341-03	.000+00	3.000-05
2.0	.000+00	.000+00	.000+00	.000+00	2.074-15	7.232-08	9.341-03	.000+00	3.000-05
2.2	.000+00	.000+00	.000+00	.000+00	1.561-15	5.483-08	9.342-03	.000+00	3.001-05
2.4	.000+00	.000+00	.000+00	.000+00	1.139-15	4.044-08	9.344-03	.000+00	3.001-05

T= 1500

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.787-14	1.00124+00	2.85871+00	3.85995+00	4.44710+01	-6.25952+00	1.00124+00
-6.8	3.805-14	1.00098+00	2.84862+00	3.84960+00	4.39993+01	-6.05963+00	1.00098+00
-6.6	3.024-14	1.00078+00	2.84069+00	3.84138+00	4.35309+01	-5.85972+00	1.00078+00
-6.4	2.403-14	1.00062+00	2.83422+00	3.83484+00	4.30637+01	-5.65979+00	1.00062+00
-6.2	1.909-14	1.00049+00	2.82915+00	3.82966+00	4.25979+01	-5.45986+00	1.00049+00
-6.0	1.517-14	1.00039+00	2.82512+00	3.82551+00	4.21331+01	-5.25986+00	1.00039+00
-5.8	1.205-14	1.00031+00	2.82192+00	3.82223+00	4.16692+01	-5.05992+00	1.00031+00
-5.6	9.572-15	1.00025+00	2.81937+00	3.81962+00	4.12060+01	-4.85995+00	1.00025+00
-5.4	7.605-15	1.00020+00	2.81735+00	3.81756+00	4.07434+01	-4.65997+00	1.00020+00
-5.2	6.041-15	1.00016+00	2.81574+00	3.81590+00	4.02812+01	-4.45999+00	1.00016+00
-5.0	4.799-15	1.00012+00	2.81447+00	3.81459+00	3.98193+01	-4.26000+00	1.00012+00
-4.8	3.812-15	1.00010+00	2.81345+00	3.81355+00	3.93578+01	-4.06001+00	1.00010+00
-4.6	3.028-15	1.00008+00	2.81265+00	3.81272+00	3.88964+01	-3.86002+00	1.00008+00
-4.4	2.412-15	1.00006+00	2.81200+00	3.81207+00	3.84352+01	-3.66003+00	1.00006+00
-4.2	1.918-15	1.00005+00	2.81150+00	3.81155+00	3.79741+01	-3.46003+00	1.00005+00
-4.0	1.525-15	1.00004+00	2.81109+00	3.81113+00	3.75132+01	-3.26004+00	1.00004+00
-3.8	1.213-15	1.00003+00	2.81077+00	3.81080+00	3.70524+01	-3.06004+00	1.00003+00
-3.6	9.647-16	1.00002+00	2.81052+00	3.81054+00	3.65916+01	-2.86004+00	1.00002+00
-3.4	7.677-16	1.00002+00	2.81032+00	3.81034+00	3.61308+01	-2.66005+00	1.00002+00
-3.2	6.113-16	1.00002+00	2.81016+00	3.81017+00	3.56702+01	-2.46005+00	1.00002+00
-3.0	4.870-16	1.00001+00	2.81003+00	3.81004+00	3.52095+01	-2.26005+00	1.00001+00
-2.8	3.883-16	1.00001+00	2.80993+00	3.80994+00	3.47489+01	-2.06005+00	1.00001+00
-2.6	3.099-16	1.00001+00	2.80985+00	3.80986+00	3.42883+01	-1.86005+00	1.00001+00
-2.4	2.549-16	1.00001+00	2.80978+00	3.80979+00	3.38277+01	-1.66005+00	1.00001+00
-2.2	2.055-16	1.00001+00	2.80973+00	3.80974+00	3.33671+01	-1.46005+00	1.00000+00
-2.0	1.663-16	1.00002+00	2.80969+00	3.80971+00	3.29066+01	-1.26005+00	1.00000+00
-1.8	1.353-16	1.00002+00	2.80966+00	3.80968+00	3.24460+01	-1.06004+00	1.00000+00
-1.6	1.107-16	1.00004+00	2.80964+00	3.80967+00	3.19854+01	-8.60040-01	1.00000+00
-1.4	9.123-17	1.00006+00	2.80962+00	3.80967+00	3.15249+01	-6.60030-01	1.00000+00
-1.2	7.590-17	1.00009+00	2.80960+00	3.80968+00	3.10643+01	-4.60020-01	1.00000+00
-1.0	6.387-17	1.00014+00	2.80958+00	3.80972+00	3.06037+01	-2.60000-01	1.00000+00
-.8	5.448-17	1.00022+00	2.80956+00	3.80978+00	3.01431+01	-5.99600-02	1.00000+00
-.6	4.723-17	1.00035+00	2.80954+00	3.80989+00	2.96825+01	1.40100-01	1.00000+00
-.4	4.169-17	1.00055+00	2.80951+00	3.81006+00	2.92217+01	3.40186-01	9.99990-01
-.2	3.754-17	1.00087+00	2.80947+00	3.81034+00	2.87608+01	5.40320-01	9.99980-01
.0	3.450-17	1.00139+00	2.80940+00	3.81078+00	2.82997+01	7.40550-01	9.99990-01
.2	3.232-17	1.00220+00	2.80929+00	3.81149+00	2.78383+01	9.40900-01	9.99990-01
.4	3.081-17	1.00348+00	2.80912+00	3.81266+00	2.73763+01	1.14144+00	9.99990-01
.6	2.978-17	1.00553+00	2.80883+00	3.81436+00	2.69135+01	1.34234+00	9.99980-01
.8	2.909-17	1.00877+00	2.80838+00	3.81715+00	2.64493+01	1.54374+00	9.99980-01
1.0	2.864-17	1.01390+00	2.80766+00	3.82156+00	2.59829+01	1.74594+00	9.99970-01
1.2	2.835-17	1.02204+00	2.80650+00	3.82854+00	2.55131+01	1.94961+00	9.99960-01
1.4	2.817-17	1.03493+00	2.80466+00	3.83959+00	2.50378+01	2.15486+00	9.99950-01
1.6	2.806-17	1.05537+00	2.80172+00	3.85709+00	2.45540+01	2.36335+00	9.99930-01
1.8	2.800-17	1.08776+00	2.79706+00	3.88482+00	2.40566+01	2.57648+00	9.99910-01
2.0	2.798-17	1.13907+00	2.78970+00	3.92877+00	2.35372+01	2.79649+00	9.99860-01
2.2	2.800-17	1.22030+00	2.77812+00	3.99842+00	2.29838+01	3.02641+00	9.99780-01
2.4	2.814-17	1.34874+00	2.76013+00	4.10887+00	2.23765+01	3.26987+00	9.99680-01

T= 1600

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.765-01	2.033-01	2.129-03	1.732-05	3.111-04	6.892-09	7.405-11	2.661-29	1.370-19
-6.8	7.771-01	2.049-01	2.135-03	1.390-05	3.150-04	8.720-09	9.350-11	2.113-29	1.093-19
-6.6	7.779-01	2.052-01	2.141-03	1.113-05	3.180-04	1.102-08	1.180-10	1.578-29	8.708-20
-6.4	7.781-01	2.058-01	2.145-03	8.896-06	3.204-04	1.392-08	1.488-10	1.333-29	6.934-20
-6.2	7.784-01	2.063-01	2.148-03	7.104-06	3.223-04	1.757-08	1.876-10	1.059-29	5.519-20
-6.0	7.787-01	2.068-01	2.150-03	5.663-06	3.239-04	2.216-08	2.365-10	8.409-30	4.391-20
-5.8	7.789-01	2.071-01	2.152-03	4.513-06	3.251-04	2.795-08	2.980-10	6.679-30	3.493-20
-5.6	7.791-01	2.074-01	2.154-03	3.593-06	3.261-04	3.523-08	3.756-10	5.3[illegible]-30	2.777-20
-5.4	7.792-01	2.076-01	2.155-03	2.860-06	3.269-04	4.440-08	4.729-10	[illegible]-30	2.208-20
-5.2	7.793-01	2.077-01	2.156-03	2.276-06	3.275-04	5.594-08	5.95[illegible]-10	3.347-30	1.755-20
-5.0	7.794-01	2.079-01	2.157-03	1.810-06	3.280-04	7.047-08	7.502-10	2.659-30	1.395-20
-4.8	7.795-01	2.080-01	2.158-03	1.439-06	3.284-04	8.876-08	9.447-10	2.112-30	1.108-20
-4.6	7.795-01	2.081-01	2.158-03	1.144-06	3.288-04	1.118-07	1.190-09	1.677-30	8.805-21
-4.4	7.796-01	2.081-01	2.159-03	9.093-07	3.290-04	1.408-07	1.498-09	1.332-30	6.996-21
-4.2	7.796-01	2.082-01	2.159-03	7.226-07	3.292-04	1.773-07	1.886-09	1.058-30	5.558-21
-4.0	7.797-01	2.082-01	2.159-03	5.742-07	3.294-04	2.232-07	2.375-09	8.407-31	4.416-21
-3.8	7.797-01	2.083-01	2.159-03	4.563-07	3.295-04	2.811-07	2.990-09	6.678-31	3.508-21
-3.6	7.797-01	2.083-01	2.160-03	3.625-07	3.296-04	3.539-07	3.764-09	5.306-31	2.787-21
-3.4	7.797-01	2.083-01	2.160-03	2.880-07	3.297-04	4.455-07	4.739-09	4.213-31	2.214-21
-3.2	7.797-01	2.083-01	2.160-03	2.288-07	3.297-04	5.609-07	5.967-09	3.347-31	1.759-21
-3.0	7.797-01	2.083-01	2.160-03	1.818-07	3.298-04	7.062-07	7.512-09	2.658-31	1.397-21
-2.8	7.797-01	2.083-01	2.160-03	1.444-07	3.298-04	8.891-07	9.457-09	2.112-31	1.110-21
-2.6	7.797-01	2.083-01	2.160-03	1.147-07	3.299-04	1.119-06	1.191-08	1.677-31	8.815-22
-2.4	7.797-01	2.084-01	2.160-03	9.113-08	3.299-04	1.409-06	1.499-08	1.332-31	7.002-22
-2.2	7.797-01	2.084-01	2.160-03	7.239-08	3.299-04	1.774-06	1.887-08	1.059-31	5.562-22
-2.0	7.797-01	2.084-01	2.160-03	5.750-08	3.299-04	2.234-06	2.376-08	8.375-32	4.402-22
-1.8	7.798-01	2.084-01	2.160-03	4.568-08	3.299-04	2.812-06	2.991-08	6.644-32	3.493-22
-1.6	7.798-01	2.084-01	2.160-03	3.628-08	3.300-04	3.541-06	3.765-08	5.273-32	2.771-22
-1.4	7.798-01	2.084-01	2.160-03	2.882-08	3.300-04	4.459-06	4.740-08	4.187-32	2.198-22
-1.2	7.798-01	2.084-01	2.160-03	2.289-08	3.300-04	5.612-06	5.967-08	3.315-32	1.742-22
-1.0	7.798-01	2.084-01	2.160-03	1.818-08	3.300-04	7.067-06	7.513-08	2.627-32	1.381-22
-.8	7.798-01	2.084-01	2.160-03	1.444-08	3.300-04	8.898-06	9.458-08	2.080-32	1.093-22
-.6	7.798-01	2.084-01	2.160-03	1.147-08	3.300-04	1.121-05	1.191-07	1.646-32	8.659-23
-.4	7.798-01	2.084-01	2.160-03	9.111-09	3.300-04	1.412-05	1.499-07	1.301-32	6.835-23
-.2	7.798-01	2.084-01	2.160-03	7.235-09	3.300-04	1.779-05	1.887-07	1.027-32	5.394-23
.0	7.798-01	2.084-01	2.160-03	5.744-09	3.300-04	2.243-05	2.376-07	8.088-33	4.249-23
.2	7.798-01	2.084-01	2.160-03	4.560-09	3.300-04	2.830-05	2.992-07	6.358-33	3.340-23
.4	7.798-01	2.083-01	2.160-03	3.618-09	3.300-04	3.576-05	3.767-07	4.983-33	2.617-23
.6	7.798-01	2.083-01	2.160-03	2.869-09	3.300-04	4.529-05	4.744-07	3.891-33	2.043-23
.8	7.798-01	2.083-01	2.159-03	2.272-09	3.300-04	5.755-05	5.975-07	3.024-33	1.587-23
1.0	7.798-01	2.083-01	2.159-03	1.797-09	3.300-04	7.355-05	7.529-07	2.337-33	1.225-23
1.2	7.797-01	2.083-01	2.158-03	1.417-09	3.300-04	9.481-05	9.488-07	1.792-33	9.381-24
1.4	7.797-01	2.083-01	2.158-03	1.113-09	3.300-04	1.239-04	1.197-06	1.362-33	7.116-24
1.6	7.797-01	2.082-01	2.156-03	8.682-10	3.300-04	1.656-04	1.511-06	1.025-33	5.337-24
1.8	7.797-01	2.082-01	2.156-03	6.702-10	3.300-04	2.291-04	1.912-06	.000+00	3.952-24
2.0	7.797-01	2.081-01	2.150-03	5.088-10	3.301-04	3.349-04	2.426-06	.000+00	2.309-24
2.2	7.797-01	2.079-01	2.144-03	3.762-10	3.301-04	5.341-04	3.092-06	.000+00	1.663-24
2.4	7.797-01	2.075-01	2.135-03	2.669-10	3.302-04	9.773-04	3.967-06	.000+00	1.188-24

T= 1600

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	.000+00	5.842-13	4.752-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.8	.000+00	4.650-13	3.026-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.6	.000+00	3.699-13	1.922-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.4	.000+00	2.942-13	1.220-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.2	.000+00	2.339-13	7.731-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.0	.000+00	1.859-13	4.895-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.8	.000+00	1.478-13	3.097-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.6	.000+00	1.174-13	1.959-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.4	.000+00	9.333-14	1.238-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.2	.000+00	7.416-14	7.823-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.0	.000+00	5.892-14	4.941-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.8	.000+00	4.681-14	3.121-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.6	.000+00	3.719-14	1.970-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.4	.000+00	2.954-14	1.244-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.2	.000+00	2.347-14	7.852-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.0	.000+00	1.864-14	4.956-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.8	.000+00	1.481-14	3.128-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.6	.000+00	1.176-14	1.974-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.4	.000+00	9.345-15	1.246-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.2	.000+00	7.423-15	7.862-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.0	.000+00	5.897-15	4.961-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.8	.000+00	4.684-15	3.130-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.6	.000+00	3.721-15	1.975-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.4	.000+00	2.956-15	1.246-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.2	.000+00	2.348-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.0	.000+00	1.866-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.8	.000+00	1.474-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.6	.000+00	1.170-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.4	.000+00	9.279-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.2	.000+00	7.357-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.0	.000+00	5.831-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.8	.000+00	4.619-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.6	.000+00	3.656-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.4	.000+00	2.892-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.2	.000+00	2.286-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.0	.000+00	1.805-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.2	.000+00	1.424-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.4	.000+00	1.123-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.6	.000+00	8.849-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.8	.000+00	6.978-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.0	.000+00	5.517-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.2	.000+00	4.359-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.4	.000+00	3.435-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.6	.000+00	2.716-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.8	.000+00	2.51[illegible]-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.0	.000+00	1.863-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.2	.000+00	1.961-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.4	.000+00	2.553-17	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00

T= 1600

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	.000+00	.000+00	.000+00	7.633-10	8.449-03	9.300-03	1.801-25	2.987-05
-6.8	.000+00	.000+00	.000+00	.000+00	6.068-10	6.731-03	9.308-03	1.146-25	2.990-05
-6.6	.000+00	.000+00	.000+00	.000+00	4.824-10	5.360-03	9.315-03	.000+00	2.992-05
-6.4	.000+00	.000+00	.000+00	.000+00	3.834-10	4.2e5-03	9.320-03	.000+00	2.994-05
-6.2	.000+00	.000+00	.000+00	.000+00	3.046-10	3.383-03	9.324-03	.000+00	2.995-05
-6.0	.000+00	.000+00	.000+00	.000+00	2.421-10	2.698-03	9.327-03	.000+00	2.996-05
-5.8	.000+00	.000+00	.000+00	.000+00	1.923-10	2.145-03	9.330-03	.000+00	2.997-05
-5.6	.000+00	.000+00	.000+00	.000+00	1.528-10	1.705-03	9.332-03	.000+00	2.997-05
-5.4	.000+00	.000+00	.000+00	.000+00	1.214-10	1.356-03	9.334-03	.000+00	2.998-05
-5.2	.000+00	.000+00	.000+00	.000+00	9.645-11	1.077-03	9.335-03	.000+00	2.998-05
-5.0	.000+00	.000+00	.000+00	.000+00	7.662-11	8.560-04	9.336-03	.000+00	2.999-05
-4.8	.000+00	.000+00	.000+00	.000+00	6.087-11	6.802-04	9.337-03	.000+00	2.999-05
-4.6	.000+00	.000+00	.000+00	.000+00	4.835-11	5.404-04	9.337-03	.000+00	2.999-05
-4.4	.000+00	.000+00	.000+00	.000+00	3.841-11	4.293-04	9.338-03	.000+00	2.999-05
-4.2	.000+00	.000+00	.000+00	.000+00	3.051-11	3.411-04	9.338-03	.000+00	2.999-05
-4.0	.000+00	.000+00	.000+00	.000+00	2.424-11	2.710-04	9.339-03	.000+00	3.000-05
-3.8	.000+00	.000+00	.000+00	.000+00	1.925-11	2.153-04	9.339-03	.000+00	3.000-05
-3.6	.000+00	.000+00	.000+00	.000+00	1.529-11	1.710-04	9.339-03	.000+00	3.000-05
-3.4	.000+00	.000+00	.000+00	.000+00	1.215-11	1.358-04	9.339-03	.000+00	3.000-05
-3.2	.000+00	.000+00	.000+00	.000+00	9.650-12	1.079-04	9.339-03	.000+00	3.000-05
-3.0	.000+00	.000+00	.000+00	.000+00	7.665-12	8.571-05	9.340-03	.000+00	3.000-05
-2.8	.000+00	.000+00	.000+00	.000+00	6.089-12	6.809-05	9.340-03	.000+00	3.000-05
-2.6	.000+00	.000+00	.000+00	.000+00	4.836-12	5.408-05	9.340-03	.000+00	3.000-05
-2.4	.000+00	.000+00	.000+00	.000+00	3.842-12	4.296-05	9.340-03	.000+00	3.000-05
-2.2	.000+00	.000+00	.000+00	.000+00	3.052-12	3.413-05	9.340-03	.000+00	3.000-05
-2.0	.000+00	.000+00	.000+00	.000+00	2.424-12	2.711-05	9.340-03	.000+00	3.000-05
-1.8	.000+00	.000+00	.000+00	.000+00	1.925-12	2.153-05	9.340-03	.000+00	3.000-05
-1.6	.000+00	.000+00	.000+00	.000+00	1.529-12	1.710-05	9.340-03	.000+00	3.000-05
-1.4	.000+00	.000+00	.000+00	.000+00	1.215-12	1.359-05	9.340-03	.000+00	3.000-05
-1.2	.000+00	.000+00	.000+00	.000+00	9.650-13	1.079-05	9.340-03	.000+00	3.000-05
-1.0	.000+00	.000+00	.000+00	.000+00	7.665-13	8.572-06	9.340-03	.000+00	3.000-05
-.8	.000+00	.000+00	.000+00	.000+00	6.088-13	6.808-06	9.340-03	.000+00	3.000-05
-.6	.000+00	.000+00	.000+00	.000+00	4.835-13	5.408-06	9.340-03	.000+00	3.000-05
-.4	.000+00	.000+00	.000+00	.000+00	3.840-13	4.295-06	9.340-03	.000+00	3.000-05
-.2	.000+00	.000+00	.000+00	.000+00	3.050-13	3.411-06	9.340-03	.000+00	3.000-05
.0	.000+00	.000+00	.000+00	.000+00	2.422-13	2.709-06	9.340-03	.000+00	3.000-05
.2	.000+00	.000+00	.000+00	.000+00	1.923-13	2.150-06	9.340-03	.000+00	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	1.526-13	1.707-06	9.340-03	.000+00	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	1.210-13	1.354-06	9.340-03	.000+00	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	9.595-14	1.074-06	9.340-03	.000+00	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	7.596-14	8.504-07	9.340-03	.000+00	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	6.001-14	6.723-07	9.340-03	.000+00	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	4.727-14	5.301-07	9.341-03	.000+00	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	3.704-14	4.162-07	9.341-03	.000+00	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	2.880-14	3.245-07	9.341-03	.000+00	3.000-05
2.0	.000+00	.000+00	.000+00	.000+00	2.212-14	2.503-07	9.342-03	.000+00	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	1.665-14	1.897-07	9.343-03	.000+00	3.001-05
2.4	.000+00	.000+00	.000+00	.000+00	1.215-14	1.399-07	9.345-03	.000+00	3.001-05

T= 1600

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.842-13	1.00425+00	3.00009+00	4.00434+00	4.48004+01	-6.23018+00	1.00425+00
-6.8	4.650-13	1.00338+00	2.96780+00	3.97118+00	4.43059+01	-6.03056+00	1.00338+00
-6.6	3.699-13	1.00269+00	2.94206+00	3.94475+00	4.38182+01	-5.83084+00	1.00269+00
-6.4	2.942-13	1.00214+00	2.92155+00	3.92369+00	4.33361+01	-5.63110+00	1.00214+00
-6.2	2.339-13	1.00170+00	2.90523+00	3.90693+00	4.28584+01	-5.43129+00	1.00170+00
-6.0	1.859-13	1.00135+00	2.89223+00	3.89358+00	4.23842+01	-5.23144+00	1.00135+00
-5.8	1.478-13	1.00108+00	2.88189+00	3.88297+00	4.19127+01	-5.03156+00	1.00108+00
-5.6	1.176-13	1.00086+00	2.87367+00	3.87453+00	4.14436+01	-4.83165+00	1.00086+00
-5.4	9.333-14	1.00068+00	2.86713+00	3.86781+00	4.09762+01	-4.63173+00	1.00068+00
-5.2	7.416-14	1.00054+00	2.86194+00	3.86248+00	4.05102+01	-4.43179+00	1.00054+00
-5.0	5.892-14	1.00043+00	2.85781+00	3.85823+00	4.00453+01	-4.23184+00	1.00043+00
-4.8	4.681-14	1.00034+00	2.85452+00	3.85486+00	3.95813+01	-4.03188+00	1.00034+00
-4.6	3.719-14	1.00027+00	2.85192+00	3.85219+00	3.91181+01	-3.83191+00	1.00027+00
-4.4	2.954-14	1.00022+00	2.84984+00	3.85006+00	3.86553+01	-3.63193+00	1.00022+00
-4.2	2.347-14	1.00017+00	2.84820+00	3.84837+00	3.81931+01	-3.43195+00	1.00017+00
-4.0	1.864-14	1.00014+00	2.84689+00	3.84702+00	3.77312+01	-3.23197+00	1.00014+00
-3.8	1.481-14	1.00011+00	2.84585+00	3.84596+00	3.72696+01	-3.03198+00	1.00011+00
-3.6	1.176-14	1.00009+00	2.84502+00	3.84511+00	3.68082+01	-2.83199+00	1.00009+00
-3.4	9.345-15	1.00007+00	2.84437+00	3.84444+00	3.63470+01	-2.63200+00	1.00007+00
-3.2	7.424-15	1.00005+00	2.84385+00	3.84390+00	3.58859+01	-2.43200+00	1.00005+00
-3.0	5.897-15	1.00004+00	2.84343+00	3.84348+00	3.54250+01	-2.23201+00	1.00004+00
-2.8	4.684-15	1.00004+00	2.84311+00	3.84314+00	3.49641+01	-2.03201+00	1.00003+00
-2.6	3.721-15	1.00003+00	2.84285+00	3.84288+00	3.45033+01	-1.83201+00	1.00003+00
-2.4	2.956-15	1.00003+00	2.84266+00	3.84266+00	3.40426+01	-1.63201+00	1.00002+00
-2.2	2.348-15	1.00003+00	2.84247+00	3.84250+00	3.35819+01	-1.43202+00	1.00002+00
-2.0	1.872-15	1.00003+00	2.84234+00	3.84237+00	3.31212+01	-1.23201+00	1.00001+00
-1.8	1.488-15	1.00003+00	2.84224+00	3.84227+00	3.26606+01	-1.03201+00	1.00001+00
-1.6	1.184-15	1.00004+00	2.84216+00	3.84220+00	3.22000+01	-8.32010-01	1.00001+00
-1.4	9.418-16	1.00006+00	2.84209+00	3.84215+00	3.17394+01	-6.32000-01	1.00000+00
-1.2	7.496-16	1.00009+00	2.84204+00	3.84213+00	3.12788+01	-4.31990-01	1.00000+00
-1.0	5.970-16	1.00014+00	2.84200+00	3.84214+00	3.08182+01	-2.31960-01	1.00000+00
-.8	4.758-16	1.00022+00	2.84196+00	3.84218+00	3.03575+01	-3.19300-02	1.00000+00
-.6	3.795-16	1.00035+00	2.84192+00	3.84227+00	2.98968+01	1.68130-01	1.00000+00
-.4	3.021-16	1.00055+00	2.84189+00	3.84244+00	2.94361+01	3.68210-01	9.99990-01
-.2	2.425-16	1.00088+00	2.84184+00	3.84272+00	2.89752+01	5.68360-01	9.99990-01
.0	1.944-16	1.00140+00	2.84178+00	3.84317+00	2.85141+01	7.68580-01	9.99990-01
.2	1.563-16	1.00221+00	2.84168+00	3.84390+00	2.80527+01	9.68930-01	9.99990-01
.4	1.262-16	1.00351+00	2.84153+00	3.84505+00	2.75907+01	1.16950+00	9.99980-01
.6	1.024-16	1.00557+00	2.84130+00	3.84687+00	2.71279+01	1.37039+00	9.99980-01
.8	8.366-17	1.00884+00	2.84093+00	3.84976+00	2.66638+01	1.57180+00	9.99970-01
1.0	8.905-17	1.01401+00	2.84033+00	3.85434+00	2.61975+01	1.77402+00	9.99960-01
1.2	5.776-17	1.02222+00	2.83937+00	3.86159+00	2.57278+01	1.97752+00	9.99950-01
1.4	4.923-17	1.03523+00	2.83784+00	3.87306+00	2.52527+01	2.18301+00	9.99940-01
1.6	4.304-17	1.05584 00	2.83540+00	3.89124+00	2.47692+01	2.39157+00	9.99920-01
1.8	3.899-17	1.08850+00	2.83153+00	3.92003+00	2.42721+01	2.60480+00	9.99880-01
2.0	4.639-17	1.14024+00	2.82541+00	3.96565+00	2.37537+01	2.82497+00	9.99830-01
2.2	4.737-17	1.22214+00	2.81583+00	4.03796+00	2.32016+01	3.05509+00	9.99730-01
2.4	5.330-17	1.35155+00	2.80107+00	4.15261+00	2.25965+01	3.29881+00	9.99510-01

T= 1700

LOG P	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.697-01	1.931-01	9.076-03	5.212-C5	2.738-04	7.845-09	1.065-10	2.461-27	2.871-18
-6.8	7.716-01	1.937-01	9.163-03	4.269-C5	2.841-04	1.003-08	1.353-10	1.953-27	2.308-18
-6.6	7.731-01	1.944-01	9.125-03	3.475-C5	2.926-04	1.277-08	1.715-10	1.551-27	1.851-18
-6.4	7.744-01	2.013-01	9.142-03	2.816-C5	2.998-04	1.624-08	2.171-10	1.231-27	1.481-18
-6.2	7.753-01	2.018-01	9.176-03	2.273-C5	3.056-04	2.060-08	2.745-10	9.777-28	1.184-18
-6.0	7.761-01	2.021-01	9.167-03	1.829-C5	3.104-04	2.609-08	3.468-10	7.764-28	9.448-19
-5.8	7.768-01	2.040-01	9.176-03	1.464-C5	3.143-04	3.300-08	4.378-10	6.166-28	7.533-19
-5.6	7.773-01	2.048-01	9.183-03	1.176-C5	3.174-04	4.170-08	5.524-10	4.897-28	6.002-19
-5.4	7.777-01	2.054-01	9.189-03	9.405-C6	3.199-04	5.266-08	6.967-10	3.890-28	4.779-19
-5.2	7.780-01	2.059-01	9.193-03	7.511-C6	3.220-04	6.645-08	8.783-10	3.089-28	3.803-19
-5.0	7.782-01	2.063-01	9.197-03	5.991-C6	3.236-04	8.382-08	1.107-09	2.454-28	3.026-19
-4.8	7.784-01	2.066-01	9.200-03	4.775-C6	3.249-04	1.057-07	1.395-09	1.949-28	2.406-19
-4.6	7.786-01	2.069-01	9.202-03	3.803-C6	3.259-04	1.332-07	1.757-09	1.548-28	1.913-19
-4.4	7.787-01	2.071-01	9.204-03	3.028-C6	3.268-04	1.679-07	2.214-09	1.230-28	1.521-19
-4.2	7.788-01	2.072-01	9.205-03	2.409-C6	3.274-04	2.115-07	2.788-09	9.767-29	1.209-19
-4.0	7.789-01	2.074-01	9.207-03	1.916-C6	3.279-04	2.664-07	3.511-09	7.758-29	9.606-20
-3.8	7.790-01	2.075-01	9.207-03	1.524-C6	3.284-04	3.355-07	4.421-09	6.162-29	7.633-20
-3.6	7.790-01	2.075-01	9.208-03	1.211-C6	3.287-04	4.226-07	5.567-09	4.895-29	6.065-20
-3.4	7.791-01	2.076-01	9.209-03	9.629-C7	3.290-04	5.322-07	7.010-09	3.888-29	4.819-20
-3.2	7.791-01	2.077-01	9.209-03	7.653-C7	3.292-04	6.701-07	8.826-09	3.088-29	3.828-20
-3.0	7.791-01	2.077-01	9.210-03	6.081-C7	3.293-04	8.438-07	1.111-08	2.453-29	3.041-20
-2.8	7.792-01	2.077-01	9.210-03	4.832-C7	3.295-04	1.062-06	1.399-08	1.948-29	2.416-20
-2.6	7.792-01	2.078-01	9.210-03	3.839-C7	3.296-04	1.338-06	1.762-08	1.548-29	1.919-20
-2.4	7.792-01	2.078-01	9.210-03	3.050-C7	3.297-04	1.684-06	2.219-08	1.229-29	1.525-20
-2.2	7.792-01	2.078-01	9.210-03	2.423-C7	3.297-04	2.120-06	2.792-08	9.763-30	1.211-20
-2.0	7.792-01	2.078-01	9.210-03	1.925-C7	3.298-04	2.670-06	3.515-08	7.755-30	9.619-21
-1.8	7.792-01	2.078-01	9.211-03	1.529-C7	3.298-04	3.361-06	4.426-08	6.159-30	7.640-21
-1.6	7.792-01	2.078-01	9.211-03	1.215-C7	3.299-04	4.232-06	5.572-08	4.892-30	6.068-21
-1.4	7.792-01	2.078-01	9.211-03	9.652-C8	3.299-04	5.328-06	7.014-08	3.885-30	4.819-21
-1.2	7.792-01	2.078-01	9.211-03	7.667-C8	3.299-04	6.708-06	8.831-08	3.045-30	3.827-21
-1.0	7.792-01	2.078-01	9.211-03	6.090-C8	3.299-04	8.447-06	1.112-07	2.450-30	3.039-21
-.8	7.792-01	2.078-01	9.211-03	4.837-C8	3.299-04	1.064-05	1.400-07	1.945-30	2.413-21
-.6	7.792-01	2.078-01	9.211-03	3.842-C8	3.300-04	1.340-05	1.762-07	1.544-30	1.916-21
-.4	7.792-01	2.078-01	9.211-03	3.051-C8	3.300-04	1.687-05	2.218-07	1.226-30	1.520-21
-.2	7.792-01	2.078-01	9.211-03	2.423-C8	3.300-04	2.126-05	2.793-07	9.727-31	1.206-21
.0	7.792-01	2.078-01	9.211-03	1.924-C8	3.300-04	2.681-05	3.516-07	7.716-31	9.569-22
.2	7.792-01	2.078-01	9.210-03	1.527-C8	3.300-04	3.383-05	4.427-07	6.087-31	7.547-22
.4	7.792-01	2.078-01	9.210-03	1.212-C8	3.300-04	4.275-05	5.574-07	4.816-31	5.971-22
.6	7.792-01	2.078-01	9.210-03	9.609-C9	3.300-04	5.414-05	7.019-07	3.806-31	4.716-22
.8	7.792-01	2.079-01	9.210-03	7.612-C9	3.300-04	6.881-05	8.840-07	3.001-31	3.717-22
1.0	7.792-01	2.078-01	9.209-03	6.019-C9	3.300-04	8.794-05	1.114-06	2.360-31	2.921-22
1.2	7.792-01	2.078-01	9.208-03	4.768-C9	3.300-04	1.134-04	1.403-06	1.849-31	2.285-22
1.4	7.792-01	2.077-01	9.206-03	3.730-C9	3.300-04	1.482-04	1.770-06	1.441-31	1.776-22
1.6	7.792-01	2.077-01	9.204-03	2.911-C9	3.300-04	1.981-04	2.234-06	1.113-31	1.368-22
1.8	7.792-01	2.076-01	9.200-03	2.248-C9	3.300-04	2.743-04	2.824-06	8.507-32	1.040-22
2.0	7.792-01	2.075-01	9.194-03	1.708-C9	3.301-04	4.014-04	3.579-06	6.391-32	7.742-23
2.2	7.792-01	2.073-01	9.185-03	1.265-C9	3.301-04	6.413-04	4.552-06	4.679-32	5.590-23
2.4	7.791-01	2.068-01	9.169-03	8.991-10	3.302-04	1.176-03	5.824-06	3.288-32	3.839-23

T= 1700

LOG P	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	.000+00	5.262-12	6.811-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.8	.000+00	4.203-12	4.417-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.6	.000+00	3.354-12	2.849-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.4	.000+00	2.674-12	1.831-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.2	.000+00	2.130-12	1.172-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.0	.000+00	1.696-12	7.482-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.8	.000+00	1.349-12	4.766-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.6	.000+00	1.073-12	3.030-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.4	.000+00	8.535-13	1.923-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.2	.000+00	6.786-13	1.219-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.0	.000+00	5.394-13	7.723-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.8	.000+00	4.287-13	4.888-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.6	.000+00	3.407-13	3.052-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.4	.000+00	2.707-13	1.954-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.2	.000+00	2.151-13	1.235-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.0	.000+00	1.709-13	7.802-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.8	.000+00	1.358-13	4.928-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.6	.000+00	1.079-13	3.112-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.4	.000+00	8.569-14	1.964-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.2	.000+00	6.807-14	1.240-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.0	.000+00	5.407-14	7.827-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.8	.000+00	4.295-14	4.940-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.6	.000+00	3.412-14	3.118-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.4	.000+00	2.710-14	1.967-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.2	.000+00	2.153-14	1.241-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.0	.000+00	1.710-14	7.833-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.8	.000+00	1.358-14	4.942-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.6	.000+00	1.079-14	3.118-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.4	.000+00	8.568-15	1.967-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.2	.000+00	6.805-15	1.241-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.0	.000+00	5.405-15	7.827-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.8	.000+00	4.293-15	4.937-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.6	.000+00	3.410-15	3.113-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.4	.000+00	2.709-15	1.962-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.2	.000+00	2.152-15	1.237-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.0	.000+00	1.711-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.2	.000+00	1.354-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.4	.000+00	1.077-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.6	.000+00	8.583-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.8	.000+00	6.859-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.0	.000+00	5.509-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.2	.000+00	4.462-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.4	.000+00	3.665-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.6	.000+00	3.050-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.8	.000+00	2.688-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.0	.000+00	2.492-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.2	.000+00	2.546-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.4	.000+00	3.032-16	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00

T= 1700

LOG D	A++	C+	C++	NE+	B	D	A	C	NE
-7.0	.000+00	.000+00	.000+00	.000+00	6.105-09	2.492-02	9.225-03	2.150-23	2.963-05
-6.8	.000+00	.000+00	.000+00	.000+00	4.861-09	1.985-02	9.248-03	1.394-23	2.970-05
-6.6	.000+00	.000+00	.000+00	.000+00	3.859-09	1.572-02	9.266-03	8.968-24	2.976-05
-6.4	.000+00	.000+00	.000+00	.000+00	3.070-09	1.256-02	9.281-03	5.750-24	2.981-05
-6.2	.000+00	.000+00	.000+00	.000+00	2.448-09	1.002-02	9.293-03	3.675-24	2.985-05
-6.0	.000+00	.000+00	.000+00	.000+00	1.947-09	7.985-03	9.303-03	2.346-24	2.988-05
-5.8	.000+00	.000+00	.000+00	.000+00	1.548-09	6.361-03	9.310-03	1.491-24	2.990-05
-5.6	.000+00	.000+00	.000+00	.000+00	1.230-09	5.064-03	9.316-03	9.473-25	2.992-05
-5.4	.000+00	.000+00	.000+00	.000+00	9.776-10	4.029-03	9.321-03	6.009-25	2.994-05
-5.2	.000+00	.000+00	.000+00	.000+00	7.769-10	3.205-03	9.325-03	3.808-25	2.995-05
-5.0	.000+00	.000+00	.000+00	.000+00	6.173-10	2.549-03	9.328-03	2.411-25	2.996-05
-4.8	.000+00	.000+00	.000+00	.000+00	4.905-10	2.026-03	9.331-03	1.525-25	2.997-05
-4.6	.000+00	.000+00	.000+00	.000+00	3.897-10	1.611-03	9.332-03	.000+00	2.998-05
-4.4	.000+00	.000+00	.000+00	.000+00	3.096-10	1.280-03	9.334-03	.000+00	2.998-05
-4.2	.000+00	.000+00	.000+00	.000+00	2.459-10	1.017-03	9.335-03	.000+00	2.998-05
-4.0	.000+00	.000+00	.000+00	.000+00	1.954-10	8.084-04	9.336-03	.000+00	2.999-05
-3.8	.000+00	.000+00	.000+00	.000+00	1.552-10	6.423-04	9.337-03	.000+00	2.999-05
-3.6	.000+00	.000+00	.000+00	.000+00	1.233-10	5.103-04	9.338-03	.000+00	2.999-05
-3.4	.000+00	.000+00	.000+00	.000+00	9.794-11	4.054-04	9.338-03	.000+00	2.999-05
-3.2	.000+00	.000+00	.000+00	.000+00	7.780-11	3.221-04	9.338-03	.000+00	3.000-05
-3.0	.000+00	.000+00	.000+00	.000+00	6.180-11	2.559-04	9.339-03	.000+00	3.000-05
-2.8	.000+00	.000+00	.000+00	.000+00	4.909-11	2.033-04	9.339-03	.000+00	3.000-05
-2.6	.000+00	.000+00	.000+00	.000+00	3.899-11	1.615-04	9.339-03	.000+00	3.000-05
-2.4	.000+00	.000+00	.000+00	.000+00	3.097-11	1.283-04	9.339-03	.000+00	3.000-05
-2.2	.000+00	.000+00	.000+00	.000+00	2.460-11	1.019-04	9.340-03	.000+00	3.000-05
-2.0	.000+00	.000+00	.000+00	.000+00	1.954-11	8.094-05	9.340-03	.000+00	3.000-05
-1.8	.000+00	.000+00	.000+00	.000+00	1.552-11	6.429-05	9.340-03	.000+00	3.000-05
-1.6	.000+00	.000+00	.000+00	.000+00	1.233-11	5.107-05	9.340-03	.000+00	3.000-05
-1.4	.000+00	.000+00	.000+00	.000+00	9.795-12	4.057-05	9.340-03	.000+00	3.000-05
-1.2	.000+00	.000+00	.000+00	.000+00	7.781-12	3.222-05	9.340-03	.000+00	3.000-05
-1.0	.000+00	.000+00	.000+00	.000+00	6.180-12	2.560-05	9.340-03	.000+00	3.000-05
-.8	.000+00	.000+00	.000+00	.000+00	4.909-12	2.033-05	9.340-03	.000+00	3.000-05
-.6	.000+00	.000+00	.000+00	.000+00	3.899-12	1.615-05	9.340-03	.000+00	3.000-05
-.4	.000+00	.000+00	.000+00	.000+00	3.097-12	1.283-05	9.340-03	.000+00	3.000-05
-.2	.000+00	.000+00	.000+00	.000+00	2.459-12	1.019-05	9.340-03	.000+00	3.000-05
.0	.000+00	.000+00	.000+00	.000+00	1.953-12	8.088-06	9.340-03	.000+00	3.000-05
.2	.000+00	.000+00	.000+00	.000+00	1.550-12	6.422-06	9.340-03	.000+00	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	1.230-12	5.097-06	9.340-03	.000+00	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	9.760-13	4.044-06	9.340-03	.000+00	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	7.736-13	3.206-06	9.340-03	.000+00	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	6.135-13	2.539-06	9.340-03	.000+00	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	4.839-13	2.008-06	9.341-03	.000+00	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	3.812-13	1.583-06	9.341-03	.000+00	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	2.987-13	1.243-06	9.341-03	.000+00	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	2.323-13	9.690-07	9.341-03	.000+00	3.000-05
2.0	.000+00	.000+00	.000+00	.000+00	1.784-13	7.473-07	9.342-03	.000+00	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	1.344-13	5.665-07	9.343-03	.000+00	3.001-05
2.4	.000+00	.000+00	.000+00	.000+00	9.812-14	4.178-07	9.346-03	.000+00	3.002-05

T= 1700

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.262-12	1.01244+00	3.30905+00	4.32169+00	4.52991+01	-6.20033+00	1.01244+00
-6.8	4.203-12	1.00994+00	3.22171+00	4.23166+00	4.47461+01	-6.00140+00	1.00994+00
-6.6	3.354-12	1.00794+00	3.15154+00	4.15946+00	4.42113+01	-5.80226+00	1.00794+00
-6.4	2.674-12	1.00633+00	3.09529+00	4.10162+00	4.36913+01	-5.60296+00	1.00633+00
-6.2	2.130-12	1.00505+00	3.05028+00	4.05533+00	4.31832+01	-5.40351+00	1.00505+00
-6.0	1.696-12	1.00402+00	3.01433+00	4.01834+00	4.26946+01	-5.20396+00	1.00402+00
-5.8	1.349-12	1.00320+00	2.98563+00	3.98883+00	4.21938+01	-5.00431+00	1.00320+00
-5.6	1.073-12	1.00254+00	2.96276+00	3.96530+00	4.17090+01	-4.80459+00	1.00254+00
-5.4	8.536-13	1.00202+00	2.94454+00	3.94656+00	4.12253+01	-4.60482+00	1.00202+00
-5.2	6.786-13	1.00161+00	2.93003+00	3.93164+00	4.07534+01	-4.40500+00	1.00161+00
-5.0	5.394-13	1.00128+00	2.91849+00	3.91977+00	4.02807+01	-4.20514+00	1.00128+00
-4.8	4.287-13	1.00102+00	2.90931+00	3.91032+00	3.98105+01	-4.00526+00	1.00102+00
-4.6	3.407-13	1.00081+00	2.90200+00	3.90281+00	3.93422+01	-3.80535+00	1.00081+00
-4.4	2.707-13	1.00064+00	2.89620+00	3.89684+00	3.88756+01	-3.60542+00	1.00064+00
-4.2	2.151-13	1.00051+00	2.89158+00	3.89209+00	3.84102+01	-3.40548+00	1.00051+00
-4.0	1.709-13	1.00041+00	2.88791+00	3.88832+00	3.79458+01	-3.20552+00	1.00041+00
-3.8	1.358-13	1.00032+00	2.88500+00	3.88532+00	3.74822+01	-3.00556+00	1.00032+00
-3.6	1.079-13	1.00026+00	2.88268+00	3.88294+00	3.70192+01	-2.80559+00	1.00026+00
-3.4	8.570-14	1.00020+00	2.88084+00	3.88105+00	3.65567+01	-2.60561+00	1.00020+00
-3.2	6.809-14	1.00016+00	2.87938+00	3.87954+00	3.60947+01	-2.40563+00	1.00016+00
-3.0	5.409-14	1.00013+00	2.87822+00	3.87835+00	3.56329+01	-2.20564+00	1.00013+00
-2.8	4.297-14	1.00010+00	2.87730+00	3.87740+00	3.51714+01	-2.00565+00	1.00010+00
-2.6	3.413-14	1.00008+00	2.87657+00	3.87665+00	3.47102+01	-1.80566+00	1.00008+00
-2.4	2.712-14	1.00006+00	2.87552+00	3.87558+00	3.37880+01	-1.40567+00	1.00005+00
-2.2	2.154-14	1.00005+00	2.87515+00	3.87521+00	3.33271+01	-1.20567+00	1.00004+00
-2.0	1.711-14	1.00007+00	2.87598+00	3.87605+00	3.42490+01	-1.60567+00	1.00006+00
-1.8	1.360-14	1.00005+00	2.87486+00	3.87492+00	3.28663+01	-1.00567+00	1.00003+00
-1.6	1.080-14	1.00006+00	2.87463+00	3.87469+00	3.24055+01	-8.05670-01	1.00002+00
-1.4	8.582-15	1.00007+00	2.87445+00	3.87452+00	3.19448+01	-6.05670-01	1.00002+00
-1.2	6.819-15	1.00010+00	2.87430+00	3.87441+00	3.14841+01	-4.05630-01	1.00001+00
-1.0	5.419-15	1.00015+00	2.87419+00	3.87434+00	3.10234+01	-2.05630-01	1.00001+00
-.8	4.307-15	1.00023+00	2.87409+00	3.87432+00	3.05627+01	-5.60000-03	1.00000+00
-.6	3.424-15	1.00036+00	2.87401+00	3.87437+00	3.01019+01	1.94460-01	1.00000+00
-.4	2.723-15	1.00056+00	2.87394+00	3.87451+00	2.96412+01	3.94550-01	1.00000+00
-.2	2.166-15	1.00089+00	2.87388+00	3.87476+00	2.91802+01	5.94690-01	9.99990-01
.0	1.725-15	1.00141+00	2.87380+00	3.87521+00	2.87191+01	7.94910-01	9.99990-01
.2	1.382-15	1.00223+00	2.87371+00	3.87594+00	2.82577+01	9.95270-01	9.99990-01
.4	1.105-15	1.00354+00	2.87358+00	3.87711+00	2.77957+01	1.19584+00	9.99980-01
.6	8.861-16	1.00561+00	2.87338+00	3.87898+00	2.73330+01	1.39673+00	9.99970-01
.8	7.137-16	1.00889+00	2.87306+00	3.88196+00	2.68689+01	1.59815+00	9.99970-01
1.0	5.787-16	1.01410+00	2.87257+00	3.88667+00	2.64026+01	1.80039+00	9.99960-01
1.2	4.740-16	1.02237+00	2.87178+00	3.89414+00	2.59331+01	2.00391+00	9.99940-01
1.4	3.943-16	1.03546+00	2.87052+00	3.90598+00	2.54582+01	2.20944+00	9.99930-01
1.6	3.358-16	1.05621+00	2.86851+00	3.92472+00	2.49750+01	2.41805+00	9.99900-01
1.8	2.965-16	1.08908+00	2.86533+00	3.95441+00	2.44784+01	2.63136+00	9.99860-01
2.0	2.770-16	1.14115+00	2.86031+00	4.00146+00	2.39607+01	2.85165+00	9.99800-01
2.2	2.824-16	1.22355+00	2.85248+00	4.07603+00	2.34099+01	3.08192+00	9.99680-01
2.4	3.310-16	1.35368+00	2.84056+00	4.19423+00	2.28068+01	3.32582+00	9.99410-01

T= 1800

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.951-01	1.709-01	4.080-03	1.181-04	2.019-04	8.166-09	1.409-10	1.386-25	4.051-17
-6.8	7.595-01	1.777-01	4.172-03	1.010-04	2.209-04	1.049-08	1.814-10	1.098-25	3.318-17
-6.6	7.632-01	1.833-01	4.248-03	8.530-05	2.341-04	1.388-08	2.325-10	8.708-26	2.701-17
-6.4	7.662-01	1.880-01	4.310-03	7.134-05	2.534-04	1.792-08	2.969-10	6.909-26	2.188-17
-6.2	7.686-01	1.917-01	4.360-03	5.914-05	2.666-04	2.301-08	3.782-10	5.482-26	1.766-17
-6.0	7.706-01	1.948-01	4.400-03	4.865-05	2.779-04	2.943-08	4.805-10	4.351-26	1.420-17
-5.8	7.722-01	1.973-01	4.432-03	3.976-05	2.875-04	3.752-08	6.093-10	3.454-26	1.140-17
-5.6	7.735-01	1.993-01	4.458-03	3.233-05	2.955-04	4.772-08	7.716-10	2.743-26	9.124-18
-5.4	7.745-01	2.009-01	4.479-03	2.616-05	3.021-04	6.055-08	9.759-10	2.178-26	7.293-18
-5.2	7.753-01	2.021-01	4.496-03	2.110-05	3.075-04	7.672-08	1.233-09	1.729-26	5.823-18
-5.0	7.760-01	2.032-01	4.509-03	1.698-05	3.119-04	9.707-08	1.557-09	1.373-26	4.644-18
-4.8	7.765-01	2.040-01	4.520-03	1.361-05	3.155-04	1.227-07	1.965-09	1.091-26	3.700-18
-4.6	7.769-01	2.046-01	4.528-03	1.089-05	3.184-04	1.550-07	2.478-09	8.664-27	2.947-18
-4.4	7.773-01	2.052-01	4.535-03	8.707-06	3.207-04	1.956-07	3.124-09	6.891-27	2.345-18
-4.2	7.775-01	2.056-01	4.540-03	6.951-06	3.226-04	2.467-07	3.938-09	5.466-27	1.866-18
-4.0	7.777-01	2.059-01	4.544-03	5.543-06	3.241-04	3.111-07	4.962-09	4.341-27	1.484-18
-3.8	7.779-01	2.062-01	4.548-03	4.417-06	3.253-04	3.921-07	6.252-09	3.448-27	1.180-18
-3.6	7.780-01	2.064-01	4.551-03	3.518-06	3.263-04	4.942-07	7.875-09	2.739-27	9.381-19
-3.4	7.781-01	2.065-01	4.553-03	2.800-06	3.270-04	6.226-07	9.919-09	2.176-27	7.456-19
-3.2	7.782-01	2.067-01	4.554-03	2.227-06	3.276-04	7.843-07	1.249-08	1.728-27	5.926-19
-3.0	7.783-01	2.068-01	4.556-03	1.772-06	3.281-04	9.879-07	1.573-08	1.373-27	4.709-19
-2.8	7.784-01	2.069-01	4.557-03	1.409-06	3.285-04	1.244-06	1.981-08	1.090-27	3.741-19
-2.6	7.784-01	2.069-01	4.558-03	1.120-06	3.288-04	1.567-06	2.494-08	8.660-28	2.973-19
-2.4	7.784-01	2.070-01	4.558-03	8.901-07	3.290-04	1.973-06	3.141-08	6.879-28	2.362-19
-2.2	7.785-01	2.070-01	4.559-03	7.074-07	3.292-04	2.484-06	3.954-08	5.464-28	1.876-19
-2.0	7.785-01	2.070-01	4.559-03	5.621-07	3.294-04	3.128-06	4.979-08	4.340-28	1.491-19
-1.8	7.785-01	2.071-01	4.560-03	4.466-07	3.295-04	3.939-06	6.268-08	3.447-28	1.184-19
-1.6	7.785-01	2.071-01	4.560-03	3.549-07	3.296-04	4.959-06	7.891-08	2.738-28	9.406-20
-1.4	7.785-01	2.071-01	4.560-03	2.819-07	3.297-04	6.244-06	9.935-08	2.175-28	7.471-20
-1.2	7.785-01	2.071-01	4.560-03	2.240-07	3.298-04	7.862-06	1.251-07	1.728-28	5.935-20
-1.0	7.785-01	2.071-01	4.560-03	1.779-07	3.298-04	9.900-06	1.575-07	1.372-28	4.714-20
-.8	7.785-01	2.071-01	4.560-03	1.413-07	3.298-04	1.247-05	1.983-07	1.090-28	3.744-20
-.6	7.785-01	2.071-01	4.560-03	1.123-07	3.299-04	1.570-05	2.496-07	8.655-29	2.973-20
-.4	7.785-01	2.071-01	4.560-03	8.917-08	3.299-04	1.978-05	3.142-07	6.873-29	2.361-20
-.2	7.785-01	2.071-01	4.560-03	7.081-08	3.299-04	2.492-05	3.956-07	5.458-29	1.875-20
.0	7.785-01	2.071-01	4.560-03	5.623-08	3.299-04	3.142-05	4.981-07	4.333-29	1.488-20
.2	7.785-01	2.071-01	4.560-03	4.463-08	3.300-04	3.965-05	6.271-07	3.439-29	1.181- 0
.4	7.785-01	2.071-01	4.560-03	3.542-08	3.300-04	5.011-05	7.895-07	2.728-29	9.367-21
.6	7.785-01	2.071-01	4.559-03	2.808-08	3.300-04	6.347-05	9.942-07	2.163-29	7.424-21
.8	7.785-01	2.071-01	4.559-03	2.225-08	3.300-04	8.066-05	1.252-06	1.713-29	5.876-21
1.0	7.785-01	2.071-01	4.558-03	1.760-08	3.300-04	1.031-04	1.577-06	1.354-29	4.642-21
1.2	7.785-01	2.071-01	4.556-03	1.388-08	3.300-04	1.329-04	1.987-06	1.068-29	3.655-21
1.4	7.785-01	2.070-01	4.554-03	1.091-08	3.300-04	1.739-04	2.505-06	8.389-30	2.865-21
1.6	7.785-01	2.070-01	4.550-03	8.513-09	3.300-04	2.325-04	3.161-06	6.548-30	2.228-21
1.8	7.785-01	2.069-01	4.544-03	6.574-09	3.300-04	3.220-04	3.993-06	5.090-30	1.712-21
2.0	7.785-01	2.068-01	4.535-03	5.002-09	3.301-04	4.716-04	5.055-06	3.834-30	1.287-21
2.2	7.785-01	2.065-01	4.520-03	3.708-09	3.301-04	7.543-04	6.420-06	2.845-30	9.415-22
2.4	7.784-01	2.060-01	4.495-03	2.642-09	3.302-04	1.386-03	8.190-06	2.031-30	6.570-22

T= 1800

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	.000+00	3.618-11	4.876-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.8	.000+00	2.915-11	3.284-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.6	.000+00	2.342-11	2.199-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.4	.000+00	1.878-11	1.447-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.2	.000+00	1.502-11	9.487-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.0	.000+00	1.200-11	6.178-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.8	.000+00	9.581-12	4.001-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.6	.000+00	7.639-12	2.578-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.4	.000+00	6.086-12	1.655-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.2	.000+00	4.846-12	1.059-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.0	.000+00	3.857-12	6.754-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.8	.000+00	3.068-12	4.300-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.6	.000+00	2.440-12	2.732-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.4	.000+00	1.940-12	1.734-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.2	.000+00	1.542-12	1.099-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.0	.000+00	1.226-12	6.960-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.8	.000+00	9.741-13	4.404-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.6	.000+00	7.741-13	2.785-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.4	.000+00	6.150-13	1.761-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.2	.000+00	4.887-13	1.112-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.0	.000+00	3.882-13	7.027-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.8	.000+00	3.084-13	4.438-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.6	.000+00	2.450-13	2.802-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.4	.000+00	1.946-13	1.769-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.2	.000+00	1.546-13	1.117-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.0	.000+00	1.228-13	7.049-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.8	.000+00	9.757-14	4.449-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.6	.000+00	7.751-14	2.808-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.4	.000+00	6.157-14	1.772-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.2	.000+00	4.891-14	1.118-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.0	.000+00	3.886-14	7.056-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.8	.000+00	3.087-14	4.450-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.6	.000+00	2.453-14	2.807-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.4	.000+00	1.950-14	1.771-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.2	.000+00	1.550-14	1.117-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.0	.000+00	1.233-14	7.040-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.2	.000+00	9.815-15	4.436-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.4	.000+00	7.824-15	2.793-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.6	.000+00	6.251-15	1.756-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.8	.000+00	5.011-15	1.102-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.0	.000+00	4.039-15	6.894-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.2	.000+00	3.284-15	4.292-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.4	.000+00	2.708-15	2.652-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.6	.000+00	2.282-15	1.619-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.8	.000+00	1.991-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.0	.000+00	1.830-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.2	.000+00	1.843-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.4	.000+00	2.133-15	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00

T= 1800

LOG C	A++	C+	C++	NF+	N	O	A	C	NE
-7.0	.000+00	.000+00	.000+00	.000+00	3.829-08	6.047-02	9.057-03	1.333-21	2.909-05
-6.8	.000+00	.000+00	.000+00	.000+00	3.060-09	4.912-02	9.110-03	8.901-22	2.926-05
-6.6	.000+00	.000+00	.000+00	.000+00	2.442-08	3.973-02	9.154-03	5.936-22	2.940-05
-6.4	.000+00	.000+00	.000+00	.000+00	1.947-08	3.201-02	9.190-03	3.876-22	2.952-05
-6.2	.000+00	.000+00	.000+00	.000+00	1.552-08	2.573-02	9.220-03	2.531-22	2.961-05
-6.0	.000+00	.000+00	.000+00	.000+00	1.236-08	2.062-02	9.243-03	1.643-22	2.969-05
-5.8	.000+00	.000+00	.000+00	.000+00	9.837-09	1.650-02	9.263-03	1.061-22	2.975-05
-5.6	.000+00	.000+00	.000+00	.000+00	7.827-09	1.319-02	9.278-03	6.823-23	2.980-05
-5.4	.000+00	.000+00	.000+00	.000+00	6.225-09	1.052-02	9.291-03	4.372-23	2.984-05
-5.2	.000+00	.000+00	.000+00	.000+00	4.950-09	8.389-03	9.301-03	2.793-23	2.987-05
-5.0	.000+00	.000+00	.000+00	.000+00	3.935-09	6.694-03	9.309-03	1.780-23	2.990-05
-4.8	.000+00	.000+00	.000+00	.000+00	3.129-09	5.322-03	9.315-03	1.132-23	2.992-05
-4.6	.000+00	.000+00	.000+00	.000+00	2.486-09	4.235-03	9.320-03	7.191-24	2.994-05
-4.4	.000+00	.000+00	.000+00	.000+00	1.976-09	3.369-03	9.324-03	4.561-24	2.995-05
-4.2	.000+00	.000+00	.000+00	.000+00	1.570-09	2.679-03	9.327-03	2.890-24	2.996-05
-4.0	.000+00	.000+00	.000+00	.000+00	1.247-09	2.130-03	9.330-03	1.829-24	2.997-05
-3.8	.000+00	.000+00	.000+00	.000+00	9.910-10	1.693-03	9.332-03	1.157-24	2.997-05
-3.6	.000+00	.000+00	.000+00	.000+00	7.873-10	1.346-03	9.334-03	7.317-25	2.998-05
-3.4	.000+00	.000+00	.000+00	.000+00	6.255-10	1.070-03	9.335-03	4.625-25	2.998-05
-3.2	.000+00	.000+00	.000+00	.000+00	4.969-10	8.499-04	9.336-03	2.922-25	2.999-05
-3.0	.000+00	.000+00	.000+00	.000+00	3.947-10	6.753-04	9.337-03	1.846-25	2.999-05
-2.8	.000+00	.000+00	.000+00	.000+00	3.136-10	5.365-04	9.337-03	1.165-25	2.999-05
-2.6	.000+00	.000+00	.000+00	.000+00	2.491-10	4.263-04	9.338-03	.000+00	2.999-05
-2.4	.000+00	.000+00	.000+00	.000+00	1.979-10	3.386-04	9.338-03	.000+00	2.999-05
-2.2	.000+00	.000+00	.000+00	.000+00	1.572-10	2.690-04	9.338-03	.000+00	3.000-05
-2.0	.000+00	.000+00	.000+00	.000+00	1.249-10	2.137-04	9.339-03	.000+00	3.000-05
-1.8	.000+00	.000+00	.000+00	.000+00	9.917-11	1.698-04	9.339-03	.000+00	3.000-05
-1.6	.000+00	.000+00	.000+00	.000+00	7.878-11	1.349-04	9.339-03	.000+00	3.000-05
-1.4	.000+00	.000+00	.000+00	.000+00	6.258-11	1.071-04	9.340-03	.000+00	3.000-05
-1.2	.000+00	.000+00	.000+00	.000+00	4.970-11	8.509-05	9.340-03	.000+00	3.000-05
-1.0	.000+00	.000+00	.000+00	.000+00	3.948-11	6.759-05	9.340-03	.000+00	3.000-05
-.8	.000+00	.000+00	.000+00	.000+00	3.136-11	5.369-05	9.340-03	.000+00	3. -05
-.6	.000+00	.000+00	.000+00	.000+00	2.491-11	4.264-05	9.340-03	.000+00	3. -05
-.4	.000+00	.000+00	.000+00	.000+00	1.978-11	3.387-05	9.340-03	.000+00	3.000-05
-.2	.000+00	.000+00	.000+00	.000+00	1.571-11	2.690-05	9.340-03	.000+00	3.000-05
.0	.000+00	.000+00	.000+00	.000+00	1.248-11	2.136-05	9.340-03	.000+00	3.000-05
.2	.000+00	.000+00	.000+00	.000+00	9.904-12	1.696-05	9.340-03	.000+00	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	7.861-12	1.346-05	9.340-03	.000+00	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	6.236-12	1.068-05	9.340-03	.000+00	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	4.943-12	8.467-06	9.340-03	.000+00	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	3.913-12	6.706-06	9.340-03	.000+00	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	3.092-12	5.302-06	9.341-03	.000+00	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	2.435-12	4.180-06	9.341-03	.000+00	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	1.909-12	3.282-06	9.341-03	.000+00	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	1.485-12	2.559-06	9.342-03	.000+00	3.000-05
2.0	.000+00	.000+00	.000+00	.000+00	1.140-12	1.974-06	9.342-03	.000+00	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	8.592-13	1.496-06	9.344-03	.000+00	3.001-05
2.4	.000+00	.000+00	.000+00	.000+00	6.277-13	1.104-06	9.347-03	.000+00	3.002-05

T= 1800

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	3.618-11	1.03124+00	3.93573+00	4.96696+00	4.61312+01	-6.16751+00	1.03124+00
-6.8	2.915-11	1.02523+00	3.73753+00	4.76276+00	4.54595+01	-5.97005+00	1.02523+00
-6.6	2.342-11	1.02031+00	3.57514+00	4.59545+00	4.48262+01	-5.77214+00	1.02031+00
-6.4	1.878-11	1.01630+00	3.44295+00	4.45925+00	4.42251+01	-5.57385+00	1.01630+00
-6.2	1.502-11	1.01306+00	3.33590+00	4.34896+00	4.36508+01	-5.37524+00	1.01306+00
-6.0	1.200-11	1.01044+00	3.24954+00	4.25995+00	4.30985+01	-5.17636+00	1.01044+00
-5.8	9.581-12	1.00834+00	3.18011+00	4.18845+00	4.25643+01	-4.97727+00	1.00834+00
-5.6	7.639-12	1.00665+00	3.12442+00	4.13108+00	4.20446+01	-4.77799+00	1.00665+00
-5.4	6.086-12	1.00530+00	3.07985+00	4.08515+00	4.15368+01	-4.57858+00	1.00530+00
-5.2	4.846-12	1.00422+00	3.04423+00	4.04845+00	4.10385+01	-4.37904+00	1.00422+00
-5.0	3.857-12	1.00336+00	3.01580+00	4.01916+00	4.05478+01	-4.17942+00	1.00336+00
-4.8	3.068-12	1.00267+00	2.99313+00	3.99581+00	4.00632+01	-3.97971+00	1.00267+00
-4.6	2.440-12	1.00213+00	2.97507+00	3.97719+00	3.95835+01	-3.77995+00	1.00213+00
-4.4	1.940-12	1.00169+00	2.96069+00	3.96238+00	3.91077+01	-3.58014+00	1.00169+00
-4.2	1.542-12	1.00134+00	2.94924+00	3.95058+00	3.86351+01	-3.38029+00	1.00134+00
-4.0	1.226-12	1.00107+00	2.94013+00	3.94120+00	3.81649+01	-3.18041+00	1.00107+00
-3.8	9.741-13	1.00085+00	2.93289+00	3.93374+00	3.76967+01	-2.98050+00	1.00085+00
-3.6	7.741-13	1.00068+00	2.92714+00	3.92781+00	3.72301+01	-2.78056+00	1.00067+00
-3.4	6.151-13	1.00054+00	2.92256+00	3.92309+00	3.67647+01	-2.58064+00	1.00054+00
-3.2	4.887-13	1.00043+00	2.91892+00	3.91935+00	3.63003+01	-2.38069+00	1.00043+00
-3.0	3.882-13	1.00034+00	2.91603+00	3.91637+00	3.58368+01	-2.18073+00	1.00034+00
-2.8	3.084-13	1.00027+00	2.91373+00	3.91400+00	3.53738+01	-1.98076+00	1.00027+00
-2.6	2.450-13	1.00022+00	2.91191+00	3.91213+00	3.49114+01	-1.78078+00	1.00021+00
-2.4	1.947-13	1.00017+00	2.91046+00	3.91063+00	3.44493+01	-1.58080+00	1.00017+00
-2.2	1.546-13	1.00014+00	2.90931+00	3.90945+00	3.39876+01	-1.38081+00	1.00013+00
-2.0	1.228-13	1.00011+00	2.90839+00	3.90851+00	3.35261+01	-1.18082+00	1.00011+00
-1.8	9.759-14	1.00009+00	2.90767+00	3.90777+00	3.30648+01	-9.80830-01	1.00008+00
-1.6	7.752-14	1.00007+00	2.90709+00	3.90719+00	3.26036+01	-7.80830-01	1.00007+00
-1.4	6.159-14	1.00006+00	2.90664+00	3.90674+00	3.21426+01	-5.80830-01	1.00005+00
-1.2	4.893-14	1.00004+00	2.90627+00	3.90640+00	3.16817+01	-3.80820-01	1.00004+00
-1.0	3.887-14	1.00003+00	2.90598+00	3.90610+00	3.12208+01	-1.80800-01	1.00003+00
-.8	3.089-14	1.00002+00	2.90576+00	3.90588+00	3.07600+01	1.92300-02	1.00002+00
-.6	2.454-14	1.00001+00	2.90557+00	3.90569+00	3.02991+01	2.19240-01	1.00001+00
-.4	1.951-14	1.00001+00	2.90542+00	3.90555+00	2.98382+01	4.19380-01	1.00001+00
-.2	1.551-14	1.00000+00	2.90529+00	3.90539+00	2.93773+01	6.19520-01	1.00000+00
.0	1.234-14	1.00000+00	2.90517+00	3.90529+00	2.89161+01	8.19740-01	9.99990-01
.2	9.829-15	1.00000+00	2.90505+00	3.90519+00	2.84546+01	1.02010+00	9.99990-01
.4	7.838-15	1.00000+00	2.90491+00	3.90504+00	2.79927+01	1.22067+00	9.99980-01
.6	6.265-15	1.00000+00	2.90472+00	3.90486+00	2.75299+01	1.42157+00	9.99970-01
.8	5.025-15	1.00000+00	2.90445+00	3.90459+00	2.70658+01	1.62299+00	9.99960-01
1.0	4.053-15	1.01417+00	2.90404+00	3.90421+00	2.65996+01	1.82524+00	9.99950-01
1.2	3.298-15	1.02248+00	2.90339+00	3.90357+00	2.61302+01	2.02878+00	9.99940-01
1.4	2.721-15	1.03564+00	2.90236+00	3.90255+00	2.56555+01	2.23433+00	9.99910-01
1.6	2.296-15	1.05649+00	2.90073+00	3.90122+00	2.51725+01	2.44293+00	9.99840-01
1.8	2.005-15	1.08953+00	2.89816+00	3.89868+00	2.46784+01	2.65636+00	9.99840-01
2.0	1.858-15	1.14185+00	2.89410+00	4.03995+00	2.41596+01	2.87674+00	9.99760-01
2.2	1.871-15	1.22463+00	2.88781+00	4.11244+00	2.36097+01	3.10713+00	9.99620-01
2.4	2.161-15	1.35524+00	2.87839+00	4.23366+00	2.30085+01	3.35115+00	9.99300-01

T= 1900

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.207-01	1.316-01	4.833-03	1.940-04	1.146-04	7.301-09	1.667-10	5.209-24	3.806-16
-6.8	7.376-01	1.441-01	5.061-03	1.767-04	1.361-04	1.005-08	2.206-10	4.102-24	3.206-16
-6.6	7.445-01	1.548-01	5.291-03	1.579-04	1.579-04	1.359-08	2.893-10	3.238-24	2.760-16
-6.4	7.505-01	1.640-01	5.468-03	1.389-04	1.794-04	1.813-08	3.764-10	2.560-24	2.294-16
-6.2	7.555-01	1.718-01	5.616-03	1.206-04	1.999-04	2.391-08	4.865-10	2.027-24	1.890-16
-6.0	7.597-01	1.783-01	5.737-03	1.033-04	2.190-04	3.124-08	6.257-10	1.606-24	1.546-16
-5.8	7.631-01	1.837-01	5.836-03	8.762-05	2.363-04	4.051-09	8.013-10	1.274-24	1.257-16
-5.6	7.660-01	1.881-01	5.916-03	7.323-05	2.517-04	5.223-08	1.023-09	1.011-24	1.018-16
-5.4	7.683-01	1.917-01	5.982-03	6.079-05	2.652-04	6.700-08	1.302-09	8.019-25	8.206-17
-5.2	7.702-01	1.946-01	6.034-03	5.007-05	2.767-04	8.583-08	1.653-09	6.366-25	6.595-17
-5.0	7.717-01	1.970-01	6.076-03	4.097-05	2.864-04	1.091-07	2.096-09	5.054-25	5.289-17
-4.8	7.729-01	1.988-01	6.110-03	3.334-05	2.946-04	1.387-07	2.653-09	4.013-25	4.233-17
-4.6	7.739-01	2.004-01	6.137-03	2.700-05	3.013-04	1.759-07	3.355-09	3.186-25	3.382-17
-4.4	7.746-01	2.016-01	6.159-03	2.179-05	3.069-04	2.228-07	4.238-09	2.530-25	2.700-17
-4.2	7.753-01	2.025-01	6.176-03	1.753-05	3.116-04	2.818-07	5.350-09	2.010-25	2.153-17
-4.0	7.758-01	2.033-01	6.190-03	1.406-05	3.151-04	3.561-07	6.751-09	1.595-25	1.715-17
-3.8	7.762-01	2.039-01	6.201-03	1.126-05	3.181-04	4.497-07	8.514-09	1.268-25	1.366-17
-3.6	7.765-01	2.044-01	6.210-03	9.009-06	3.205-04	5.675-07	1.073-08	1.007-25	1.087-17
-3.4	7.767-01	2.048-01	6.217-03	7.190-06	3.224-04	7.158-07	1.353-08	7.997-26	8.646-18
-3.2	7.769-01	2.051-01	6.222-03	5.735-06	3.239-04	9.025-07	1.704-08	6.352-26	6.876-18
-3.0	7.771-01	2.054-01	6.227-03	4.571-06	3.252-04	1.138-06	2.147-08	5.045-26	5.467-18
-2.8	7.772-01	2.056-01	6.230-03	3.640-06	3.261-04	1.434-06	2.705-08	4.007-26	4.346-18
-2.6	7.773-01	2.057-01	6.233-03	2.897-06	3.269-04	1.806-06	3.407-08	3.183-26	3.456-18
-2.4	7.774-01	2.059-01	6.235-03	2.305-06	3.276-04	2.275-06	4.290-08	2.528-26	2.745-18
-2.2	7.775-01	2.060-01	6.237-03	1.834-06	3.281-04	2.866-06	5.403-08	2.008-26	2.181-18
-2.0	7.775-01	2.060-01	6.238-03	1.458-06	3.285-04	3.609-06	6.803-08	1.595-26	1.733-18
-1.8	7.776-01	2.061-01	6.239-03	1.159-06	3.288-04	4.545-06	8.566-08	1.267-26	1.377-18
-1.6	7.776-01	2.061-01	6.240-03	9.213-07	3.290-04	5.723-06	1.079-07	1.006-26	1.094-18
-1.4	7.776-01	2.062-01	6.241-03	7.322-07	3.292-04	7.207-06	1.358-07	7.995-27	8.691-19
-1.2	7.776-01	2.062-01	6.241-03	5.819-07	3.294-04	9.075-06	1.710-07	6.350-27	6.904-19
-1.0	7.777-01	2.062-01	6.242-03	4.623-07	3.295-04	1.143-05	2.153-07	5.044-27	5.484-19
-.8	7.777-01	2.062-01	6.242-03	3.673-07	3.296-04	1.439-05	2.710-07	4.006-27	4.356-19
-.6	7.777-01	2.063-01	6.242-03	2.918-07	3.297-04	1.813-05	3.412-07	3.182-27	3.460-19
-.4	7.777-01	2.063-01	6.242-03	2.318-07	3.298-04	2.283-05	4.296-07	2.527-27	2.748-19
-.2	7.777-01	2.063-01	6.242-03	1.841-07	3.298-04	2.877-05	5.408-07	2.007-27	2.182-19
.0	7.777-01	2.063-01	6.242-03	1.462-07	3.298-04	3.628-05	6.809-07	1.594-27	1.733-19
.2	7.777-01	2.063-01	6.242-03	1.161-07	3.299-04	4.579-05	8.572-07	1.265-27	1.375-19
.4	7.777-01	2.063-01	6.242-03	9.209-08	3.299-04	5.786-05	1.079-06	1.004-27	1.091-19
.6	7.777-01	2.063-01	6.241-03	7.303-08	3.299-04	7.328-05	1.359-06	7.964-28	8.652-20
.8	7.777-01	2.062-01	6.240-03	5.786-08	3.300-04	9.314-05	1.711-06	6.312-28	6.854-20
1.0	7.777-01	2.062-01	6.239-03	4.576-08	3.300-04	1.191-04	2.155-06	4.996-28	5.420-20
1.2	7.777-01	2.062-01	6.237-03	3.611-08	3.300-04	1.535-04	2.716-06	3.946-28	4.275-20
1.4	7.777-01	2.062-01	6.233-03	2.831-08	3.300-04	2.008-04	3.423-06	3.107-28	3.359-20
1.6	7.777-01	2.061-01	6.228-03	2.215-08	3.300-04	2.686-04	4.317-06	2.434-28	2.622-20
1.8	7.777-01	2.060-01	6.219-03	1.713-08	3.300-04	3.722-04	5.450-06	1.891-28	2.026-20
2.0	7.777-01	2.059-01	6.206-03	1.303-08	3.301-04	5.454-04	6.894-06	1.450-28	1.540-20
2.2	7.776-01	2.056-01	6.183-03	9.672-09	3.301-04	8.732-04	8.741-06	1.090-28	1.142-20
2.4	7.776-01	2.049-01	6.146-03	6.905-09	3.303-04	1.606-03	1.112-05	7.929-29	8.120-21

T= 1900

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	.000+00	1.935-10	1.831-23	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.8	.000+00	1.585-10	1.244-23	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.6	.000+00	1.291-10	9.038-24	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.4	.000+00	1.046-10	6.241-24	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.2	.000+00	8.452-11	4.259-24	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-6.0	.000+00	6.804-11	2.875-24	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.8	.000+00	5.464-11	1.921-24	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.6	.000+00	4.378-11	1.272-24	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.4	.000+00	3.502-11	8.355-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.2	.000+00	2.797-11	5.449-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-5.0	.000+00	2.232-11	3.533-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.8	.000+00	1.779-11	2.279-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.6	.000+00	1.417-11	1.464-25	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.4	.000+00	1.128-11	9.371-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.2	.000+00	8.980-12	5.982-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-4.0	.000+00	7.143-12	3.810-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.8	.000+00	5.681-12	2.422-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.6	.000+00	4.516-12	1.537-26	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.4	.000+00	3.590-12	9.747-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.2	.000+00	2.853-12	6.173-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-3.0	.000+00	2.268-12	3.907-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.8	.000+00	1.802-12	2.471-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.6	.000+00	1.432-12	1.562-27	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.4	.000+00	1.137-12	9.872-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.2	.000+00	9.037-13	6.236-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-2.0	.000+00	7.179-13	3.939-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.8	.000+00	5.704-13	2.487-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.6	.000+00	4.531-13	1.570-28	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.4	.000+00	3.600-13	9.912-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.2	.000+00	2.860-13	6.256-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-1.0	.000+00	2.272-13	3.948-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.8	.000+00	1.805-13	2.491-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.6	.000+00	1.434-13	1.572-29	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.4	.000+00	1.140-13	9.918-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
-.2	.000+00	9.064-14	6.256-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.0	.000+00	7.210-14	3.945-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.2	.000+00	5.740-14	2.486-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.4	.000+00	4.575-14	1.566-30	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.6	.000+00	3.655-14	9.852-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
.8	.000+00	2.929-14	6.188-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.0	.000+00	2.360-14	3.876-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.2	.000+00	1.917-14	2.417-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.4	.000+00	1.578-14	1.497-31	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.6	.000+00	1.326-14	9.176-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
1.8	.000+00	1.152-14	5.528-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.0	.000+00	1.055-14	3.242-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.2	.000+00	1.050-14	1.822-32	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00
2.4	.000+00	1.191-14	9.581-33	.000+00	.000+00	.000+00	.000+00	.000+00	.000+00

T= 1900

LOG P	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	2.930-33	.000+00	.000+00	1.946-07	1.246-01	8.757-03	4.525-20	2.813-05
-6.8	.000+00	1.581-32	.000+00	.000+00	1.567-07	1.041-01	8.853-03	3.136-20	2.864-05
-6.6	.000+00	8.509-33	.000+00	.000+00	1.253-07	8.610-02	8.937-03	2.156-20	2.871-05
-6.4	.000+00	4.550-33	.000+00	.000+00	1.003-07	7.069-02	9.009-03	1.471-20	2.884-05
-6.2	.000+00	2.418-33	.000+00	.000+00	8.021-08	5.766-02	9.070-03	9.937-21	2.913-05
-6.0	.000+00	1.276-33	.000+00	.000+00	6.407-08	4.679-02	9.121-03	6.655-21	2.930-05
-5.8	.000+00	.000+00	.000+00	.000+00	5.113-08	3.781-02	9.163-03	4.419-21	2.943-05
-5.6	.000+00	.000+00	.000+00	.000+00	4.076-08	3.045-02	9.197-03	2.911-21	2.954-05
-5.4	.000+00	.000+00	.000+00	.000+00	3.248-08	2.445-02	9.226-03	1.905-21	2.963-05
-5.2	.000+00	.000+00	.000+00	.000+00	2.586-08	1.959-02	9.248-03	1.233-21	2.971-05
-5.0	.000+00	.000+00	.000+00	.000+00	2.058-08	1.567-02	9.267-03	8.008-22	2.976-05
-4.8	.000+00	.000+00	.000+00	.000+00	1.638-08	1.252-02	9.281-03	5.155-22	2.981-05
-4.6	.000+00	.000+00	.000+00	.000+00	1.302-08	9.989-03	9.293-03	3.306-22	2.985-05
-4.4	.000+00	.000+00	.000+00	.000+00	1.036-08	7.962-03	9.303-03	2.114-22	2.988-05
-4.2	.000+00	.000+00	.000+00	.000+00	8.233-09	6.342-03	9.310-03	1.349-22	2.990-05
-4.0	.000+00	.000+00	.000+00	.000+00	6.544-09	5.049-03	9.316-03	8.579-23	2.992-05
-3.8	.000+00	.000+00	.000+00	.000+00	5.200-09	4.018-03	9.321-03	5.451-23	2.994-05
-3.6	.000+00	.000+00	.000+00	.000+00	4.133-09	3.196-03	9.325-03	3.458-23	2.995-05
-3.4	.000+00	.000+00	.000+00	.000+00	3.284-09	2.542-03	9.328-03	2.191-23	2.996-05
-3.2	.000+00	.000+00	.000+00	.000+00	2.609-09	2.021-03	9.331-03	1.388-23	2.997-05
-3.0	.000+00	.000+00	.000+00	.000+00	2.073-09	1.606-03	9.332-03	8.780-24	2.998-05
-2.8	.000+00	.000+00	.000+00	.000+00	1.647-09	1.277-03	9.334-03	5.552-24	2.998-05
-2.6	.000+00	.000+00	.000+00	.000+00	1.308-09	1.014-03	9.335-03	3.509-24	2.998-05
-2.4	.000+00	.000+00	.000+00	.000+00	1.039-09	8.061-04	9.336-03	2.217-24	2.999-05
-2.2	.000+00	.000+00	.000+00	.000+00	8.256-10	6.405-04	9.337-03	1.401-24	2.999-05
-2.0	.000+00	.000+00	.000+00	.000+00	6.558-10	5.089-04	9.338-03	8.845-25	2.999-05
-1.8	.000+00	.000+00	.000+00	.000+00	5.210-10	4.043-04	9.338-03	5.585-25	2.999-05
-1.6	.000+00	.000+00	.000+00	.000+00	4.138-10	3.212-04	9.339-03	3.526-25	3.000-05
-1.4	.000+00	.000+00	.000+00	.000+00	3.287-10	2.551-04	9.339-03	2.225-25	3.000-05
-1.2	.000+00	.000+00	.000+00	.000+00	2.611-10	2.027-04	9.339-03	1.405-25	3.000-05
-1.0	.000+00	.000+00	.000+00	.000+00	2.074-10	1.610-04	9.339-03	.000+00	3.000-05
-.8	.000+00	.000+00	.000+00	.000+00	1.647-10	1.279-04	9.339-03	.000+00	3.000-05
-.6	.000+00	.000+00	.000+00	.000+00	1.309-10	1.016-04	9.340-03	.000+00	3.000-05
-.4	.000+00	.000+00	.000+00	.000+00	1.039-10	8.068-05	9.340-03	.000+00	3.000-05
-.2	.000+00	.000+00	.000+00	.000+00	8.254-11	6.408-05	9.340-03	.000+00	3.000-05
.0	.000+00	.000+00	.000+00	.000+00	6.554-11	5.088-05	9.340-03	.000+00	3.000-05
.2	.000+00	.000+00	.000+00	.000+00	5.203-11	4.040-05	9.340-03	.000+00	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	4.130-11	3.207-05	9.340-03	.000+00	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	3.276-11	2.544-05	9.340-03	.000+00	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	2.597-11	2.017-05	9.340-03	.000+00	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	2.056-11	1.598-05	9.340-03	.000+00	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	1.624-11	1.263-05	9.341-03	.000+00	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	1.280-11	9.959-06	9.341-03	.000+00	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	1.003-11	7.818-06	9.341-03	.000+00	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	7.802-12	6.096-06	9.342-03	.000+00	3.001-05
2.0	.000+00	.000+00	.000+00	.000+00	5.995-12	4.702-06	9.343-03	.000+00	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	4.518-12	3.565-06	9.344-03	.000+00	3.001-05
2.4	.000+00	.000+00	.000+00	.000+00	3.302-12	2.629-06	9.346-03	.000+00	3.002-05

T= 1900

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.935-10	1.06656+00	5.01366+00	6.08C2C+00	4.74486+01	-6.12941+00	1.06656+00
-6.8	1.585-10	1.05499+00	4.65265+00	5.70764+00	4.65992+01	-5.93414+00	1.05499+00
-6.6	1.291-10	1.04507+00	4.34326+00	5.38833+00	4.58063+01	-5.73625+00	1.04507+00
-6.4	1.046-10	1.03671+00	4.08233+00	5.11904+00	4.50661+01	-5.54173+00	1.03671+00
-6.2	8.452-11	1.02975+00	3.86506+00	4.89481+00	4.43731+01	-5.34466+00	1.02975+00
-6.0	6.804-11	1.02401+00	3.68592+00	4.70993+00	4.37211+01	-5.14709+00	1.02401+00
-5.8	5.464-11	1.01931+00	3.53937+00	4.55869+00	4.31041+01	-4.94908+00	1.01931+00
-5.6	4.378-11	1.01550+00	3.42023+00	4.43572+00	4.25164+01	-4.75071+00	1.01550+00
-5.4	3.502-11	1.01241+00	3.32382+00	4.33523+00	4.19531+01	-4.55204+00	1.01241+00
-5.2	2.797-11	1.00992+00	3.24612+00	4.25604+00	4.14098+01	-4.35311+00	1.00992+00
-5.0	2.232-11	1.00792+00	3.18369+00	4.19116+00	4.08827+01	-4.15397+00	1.00792+00
-4.8	1.779-11	1.00632+00	3.13363+00	4.13995+00	4.03689+01	-3.95466+00	1.00632+00
-4.6	1.417-11	1.00503+00	3.09356+00	4.09861+00	3.98657+01	-3.75521+00	1.00503+00
-4.4	1.128-11	1.00401+00	3.06158+00	4.06555+00	3.93712+01	-3.55566+00	1.00401+00
-4.2	8.980-12	1.00319+00	3.03605+00	4.03924+00	3.88835+01	-3.35601+00	1.00319+00
-4.0	7.143-12	1.00254+00	3.01549+00	4.01823+00	3.84013+01	-3.15629+00	1.00254+00
-3.8	5.681-12	1.00202+00	2.99948+00	4.00150+00	3.79235+01	-2.95652+00	1.00202+00
-3.6	4.516-12	1.00161+00	2.98657+00	3.98817+00	3.74492+01	-2.75670+00	1.00160+00
-3.4	3.590-12	1.00128+00	2.97629+00	3.97757+00	3.69778+01	-2.55684+00	1.00128+00
-3.2	2.853-12	1.00101+00	2.96812+00	3.96914+00	3.65086+01	-2.35695+00	1.00101+00
-3.0	2.268-12	1.00081+00	2.96162+00	3.96243+00	3.60411+01	-2.15704+00	1.00081+00
-2.8	1.802-12	1.00064+00	2.95646+00	3.95710+00	3.55751+01	-1.95711+00	1.00064+00
-2.6	1.432-12	1.00051+00	2.95235+00	3.95288+00	3.51102+01	-1.75717+00	1.00051+00
-2.4	1.137-12	1.00041+00	2.94909+00	3.94950+00	3.46462+01	-1.55722+00	1.00040+00
-2.2	9.037-13	1.00033+00	2.94649+00	3.94682+00	3.41830+01	-1.35725+00	1.00032+00
-2.0	7.180-13	1.00027+00	2.94443+00	3.94470+00	3.37202+01	-1.15728+00	1.00025+00
-1.8	5.704-13	1.00022+00	2.94280+00	3.94302+00	3.32580+01	-9.57300-01	1.00020+00
-1.6	4.531-13	1.00019+00	2.94150+00	3.94169+00	3.27961+01	-7.57310-01	1.00016+00
-1.4	3.600-13	1.00018+00	2.94047+00	3.94065+00	3.23344+01	-5.57310-01	1.00012+00
-1.2	2.860-13	1.00019+00	2.93965+00	3.93984+00	3.18730+01	-3.57310-01	1.00010+00
-1.0	2.272-13	1.00022+00	2.93900+00	3.93922+00	3.14118+01	-1.57300-01	1.00007+00
-.8	1.805-13	1.00028+00	2.93848+00	3.93876+00	3.09506+01	4.27300-02	1.00005+00
-.6	1.435-13	1.00040+00	2.93807+00	3.93847+00	3.04895+01	2.42780-01	1.00003+00
-.4	1.140-13	1.00060+00	2.93774+00	3.93834+00	3.00285+01	4.42870-01	1.00003+00
-.2	9.065-14	1.00092+00	2.93747+00	3.93835+00	2.95673+01	6.43715-01	1.00002+00
.0	7.211-14	1.00144+00	2.93725+00	3.93869+00	2.91061+01	8.43230-01	1.00001+00
.2	5.741-14	1.00226+00	2.93706+00	3.93932+00	2.86445+01	1.04359+00	1.00000+00
.4	4.577-14	1.00357+00	2.93687+00	3.94044+00	2.81825+01	1.24416+00	9.99990-01
.6	3.656-14	1.00566+00	2.93666+00	3.94232+00	2.77197+01	1.44506+00	9.99980-01
.8	2.931-14	1.00894+00	2.93640+00	3.94537+00	2.72556+01	1.64644+00	9.99960-01
1.0	2.361-14	1.01423+00	2.93604+00	3.95027+00	2.67894+01	1.84876+00	9.99950-01
1.2	1.919-14	1.02256+00	2.93550+00	3.95826+00	2.63201+01	2.05230+00	9.99930-01
1.4	1.580-14	1.03577+00	2.93467+00	3.97044+00	2.58455+01	2.25787+00	9.99910-01
1.6	1.328-14	1.05670+00	2.93336+00	3.99006+00	2.53628+01	2.46656+00	9.99870-01
1.8	1.154-14	1.08987+00	2.93130+00	4.02117+00	2.48670+01	2.67996+00	9.99810-01
2.0	1.057-14	1.14238+00	2.92819+00	4.07047+00	2.43507+01	2.90042+00	9.99730-01
2.2	1.051-14	1.22543+00	2.92317+00	4.14866+00	2.38021+01	3.13090+00	9.99560-01
2.4	1.192-14	1.35641+00	2.91597+00	4.27238+00	2.32027+01	3.37500+00	9.99190-01

LOG C	N2	C2	NO	CO	CO2	NO2	N2C	N2+	O2+
-7.0	6.968-01	8.091-02	4.920-03	2.462-04	6.933-05	5.129-09	1.698-10	1.428-22	2.417-15
-6.8	7.066-01	9.857-02	5.416-03	2.359-04	6.441-05	7.704-09	2.353-10	1.105-22	2.200-15
-6.6	7.166-01	1.117-01	5.892-03	2.223-04	6.178-05	1.122-08	3.206-10	8.607-23	1.957-15
-6.4	7.256-01	1.259-01	6.262-03	2.049-04	1.611-04	1.591-08	4.311-10	6.742-23	1.705-15
-6.2	7.333-01	1.387-01	6.610-03	1.895-04	1.218-04	2.207-08	5.729-10	5.302-23	1.461-15
-6.0	7.411-01	1.500-01	6.908-03	1.714-04	1.633-04	3.005-08	7.537-10	4.181-23	1.234-15
-5.8	7.474-01	1.598-01	7.159-03	1.527-04	1.668-04	4.029-08	9.833-10	3.304-23	1.030-15
-5.6	7.527-01	1.681-01	7.369-03	1.337-04	1.660-04	5.336-08	1.274-09	2.615-23	8.512-16
-5.4	7.572-01	1.751-01	7.542-03	1.156-04	2.060-04	6.995-08	1.642-09	2.071-23	6.981-16
-5.2	7.609-01	1.808-01	7.685-03	9.869-05	2.245-04	9.097-08	2.106-09	1.642-23	5.689-16
-5.0	7.640-01	1.856-01	7.800-03	8.331-05	2.412-04	1.175-07	2.691-09	1.303-23	4.612-16
-4.8	7.665-01	1.894-01	7.894-03	6.961-05	2.560-04	1.510-07	3.428-09	1.034-23	3.724-16
-4.6	7.685-01	1.926-01	7.970-03	5.767-05	2.688-04	1.933-07	4.357-09	8.204-24	2.997-16
-4.4	7.701-01	1.951-01	8.031-03	4.741-05	2.798-04	2.466-07	5.527-09	6.513-24	2.406-16
-4.2	7.715-01	1.972-01	8.080-03	3.874-05	2.890-04	3.137-07	7.001-09	5.171-24	1.927-16
-4.0	7.725-01	1.988-01	8.119-03	3.148-05	2.967-04	3.982-07	8.856-09	4.106-24	1.541-16
-3.8	7.734-01	2.001-01	8.150-03	2.547-05	3.031-04	5.046-07	1.119-08	3.261-24	1.230-16
-3.6	7.740-01	2.012-01	8.175-03	2.054-05	3.083-04	6.385-07	1.413-08	2.590-24	9.812-17
-3.4	7.746-01	2.020-01	8.195-03	1.651-05	3.126-04	8.072-07	1.784-08	2.057-24	7.821-17
-3.2	7.750-01	2.027-01	8.211-03	1.326-05	3.160-04	1.020-06	2.250-08	1.634-24	6.229-17
-3.0	7.754-01	2.032-01	8.224-03	1.068-05	3.188-04	1.287-06	2.837-08	1.299-24	4.958-17
-2.8	7.756-01	2.037-01	8.234-03	8.672-06	3.211-04	1.624-06	3.575-08	1.031-24	3.945-17
-2.6	7.759-01	2.040-01	8.242-03	6.703-06	3.229-04	2.047-06	4.506-08	8.188-25	3.139-17
-2.4	7.760-01	2.043-01	8.248-03	5.393-06	3.243-04	2.581-06	5.677-08	6.504-25	2.496-17
-2.2	7.762-01	2.045-01	8.253-03	4.297-06	3.253-04	3.253-06	7.151-08	5.167-25	1.985-17
-2.0	7.763-01	2.047-01	8.257-03	3.422-06	3.264-04	4.098-06	9.007-08	4.105-25	1.578-17
-1.8	7.764-01	2.048-01	8.260-03	2.723-06	3.271-04	5.163-06	1.134-07	3.262-25	1.254-17
-1.6	7.764-01	2.049-01	8.263-03	2.167-06	3.277-04	6.504-06	1.428-07	2.592-25	9.971-18
-1.4	7.765-01	2.050-01	8.265-03	1.723-06	3.282-04	8.191-06	1.799-07	2.060-25	7.926-18
-1.2	7.765-01	2.051-01	8.267-03	1.370-06	3.286-04	1.032-05	2.265-07	1.637-25	6.301-18
-1.0	7.766-01	2.051-01	8.268-03	1.089-06	3.289-04	1.299-05	2.852-07	1.301-25	5.010-18
-.8	7.766-01	2.051-01	8.269-03	8.656-07	3.291-04	1.636-05	3.591-07	1.034-25	3.983-18
-.6	7.766-01	2.052-01	8.269-03	6.879-07	3.293-04	2.061-05	4.521-07	8.223-26	3.168-18
-.4	7.766-01	2.052-01	8.270-03	5.465-07	3.294-04	2.597-05	5.692-07	6.542-26	2.520-18
-.2	7.766-01	2.052-01	8.270-03	4.341-07	3.295-04	3.273-05	7.166-07	5.205-26	2.005-18
.0	7.767-01	2.052-01	8.270-03	3.448-07	3.296-04	4.127-05	9.022-07	4.142-26	1.595-18
.2	7.767-01	2.052-01	8.270-03	2.730-07	3.297-04	5.208-05	1.136-06	3.298-26	1.270-18
.4	7.767-01	2.052-01	8.270-03	2.173-07	3.298-04	6.581-05	1.430-06	2.627-26	1.011-18
.6	7.767-01	2.052-01	8.269-03	1.723-07	3.298-04	8.336-05	1.801-06	2.094-26	8.058-19
.8	7.767-01	2.052-01	8.268-03	1.365-07	3.299-04	1.060-04	2.268-06	1.669-26	6.421-19
1.0	7.767-01	2.052-01	8.266-03	1.080-07	3.299-04	1.354-04	2.856-06	1.332-26	5.117-19
1.2	7.767-01	2.052-01	8.263-03	8.522-08	3.299-04	1.747-04	3.597-06	1.062-26	4.077-19
1.4	7.767-01	2.051-01	8.258-03	6.690-08	3.300-04	2.285-04	4.533-06	8.473-27	3.245-19
1.6	7.767-01	2.050-01	8.250-03	5.232-08	3.300-04	3.057-04	5.715-06	6.752-27	2.577-19
1.8	7.767-01	2.050-01	8.238-03	4.066-08	3.300-04	4.237-04	7.212-06	5.369-27	2.038-19
2.0	7.767-01	2.048-01	8.219-03	3.081-08	3.301-04	6.212-04	9.114-06	4.253-27	1.601-19
2.2	7.766-01	2.045-01	8.188-03	2.280-08	3.301-04	9.952-04	1.154-05	3.348-27	1.243-19
2.4	7.766-01	2.037-01	8.134-03	1.637-08	3.303-04	1.832-03	1.466-05	2.610-27	9.469-20

T= 2000

LOG C	C2-	NC+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.166-31	8.132-10	4.101-22	3.755-15	.000+00	.000+00	8.361-19	.000+00	.000+00
-6.8	1.828-31	6.825-10	2.992-22	4.302-15	.000+00	.000+00	5.575-19	.000+00	.000+00
-6.6	2.751-31	5.681-10	2.171-22	4.816-15	.000+00	.000+00	3.686-19	.000+00	.000+00
-6.4	4.008-31	4.694-10	1.563-22	5.283-15	.000+00	.000+00	2.420-19	.000+00	.000+00
-6.2	5.679-31	3.853-10	1.115-22	5.698-15	.000+00	.000+00	1.578-19	.000+00	.000+00
-6.0	7.885-31	3.145-10	7.862-23	6.057-15	.000+00	.000+00	1.023-19	.000+00	.000+00
-5.8	1.069-30	2.554-10	5.681-23	6.364-15	.000+00	.000+00	6.599-20	.000+00	.000+00
-5.6	1.431-30	2.069-10	3.775-23	6.622-15	.000+00	.000+00	4.240-20	.000+00	.000+00
-5.4	1.893-30	1.665-10	2.571-23	6.837-15	.000+00	.000+00	2.715-20	.000+00	.000+00
-5.2	2.476-30	1.338-10	1.732-23	7.014-15	.000+00	.000+00	1.733-20	.000+00	.000+00
-5.0	3.219-30	1.073-10	1.155-23	7.159-15	.000+00	.000+00	1.104-20	.000+00	.000+00
-4.8	4.156-30	8.589-11	7.633-24	7.276-15	.000+00	.000+00	7.020-21	.000+00	.000+00
-4.6	5.337-30	6.865-11	5.005-24	7.372-15	.000+00	.000+00	4.457-21	.000+00	.000+00
-4.4	6.826-30	5.480-11	3.260-24	7.448-15	.000+00	.000+00	2.826-21	.000+00	.000+00
-4.2	8.702-30	4.370-11	2.111-24	7.510-15	.000+00	.000+00	1.790-21	.000+00	.000+00
-4.0	1.106-29	3.482-11	1.361-24	7.559-15	.000+00	.000+00	1.133-21	.000+00	.000+00
-3.8	1.404-29	2.773-11	8.733-25	7.599-15	.000+00	.000+00	7.167-22	.000+00	.000+00
-3.6	1.779-29	2.207-11	5.587-25	7.630-15	.000+00	.000+00	4.531-22	.000+00	.000+00
-3.4	2.251-29	1.756-11	3.565-25	7.655-15	.000+00	.000+00	2.863-22	.000+00	.000+00
-3.2	2.845-29	1.397-11	2.270-25	7.675-15	.000+00	.000+00	1.809-22	.000+00	.000+00
-3.0	3.592-29	1.110-11	1.442-25	7.690-15	.000+00	.000+00	1.143-22	.000+00	.000+00
-2.8	4.533-29	8.829-12	9.154-26	7.702-15	.000+00	.000+00	7.218-23	.000+00	.000+00
-2.6	5.718-29	7.018-12	5.803-26	7.712-15	.000+00	.000+00	4.557-23	.000+00	.000+00
-2.4	7.209-29	5.578-12	3.675-26	7.719-15	.000+00	.000+00	2.877-23	.000+00	.000+00
-2.2	9.086-29	4.434-12	2.326-26	7.724-15	.000+00	.000+00	1.816-23	.000+00	.000+00
-2.0	1.145-28	3.524-12	1.471-26	7.727-15	.000+00	.000+00	1.147-23	.000+00	.000+00
-1.8	1.442-28	2.801-12	9.304-27	7.729-15	.000+00	.000+00	7.239-24	.000+00	.000+00
-1.6	1.816-28	2.226-12	5.881-27	7.730-15	.000+00	.000+00	4.570-24	.000+00	.000+00
-1.4	2.286-28	1.769-12	3.716-27	7.730-15	.000+00	.000+00	2.886-24	.000+00	.000+00
-1.2	2.878-28	1.406-12	2.348-27	7.728-15	.000+00	.000+00	1.822-24	.000+00	.000+00
-1.0	3.623-28	1.118-12	1.484-27	7.726-15	.000+00	.000+00	1.151-24	.000+00	.000+00
-.8	4.560-28	8.893-13	9.375-28	7.722-15	.000+00	.000+00	7.271-25	.000+00	.000+00
-.6	5.738-28	7.075-13	5.924-28	7.718-15	.000+00	.000+00	4.595-25	.000+00	.000+00
-.4	7.222-28	5.631-13	3.743-28	7.714-15	.000+00	.000+00	2.906-25	.000+00	.000+00
-.2	9.090-28	4.485-13	2.366-28	7.710-15	.000+00	.000+00	1.839-25	.000+00	.000+00
.0	1.145-27	3.575-13	1.496-28	7.707-15	.000+00	.000+00	1.165-25	.000+00	.000+00
.2	1.442-27	2.854-13	9.455-29	7.708-15	.000+00	.000+00	7.397-26	.000+00	.000+00
.4	1.820-27	2.283-13	5.978-29	7.717-15	.000+00	.000+00	4.707-26	.000+00	.000+00
.6	2.303-27	1.831-13	3.779-29	7.740-15	.000+00	.000+00	3.001-26	.000+00	.000+00
.8	2.926-27	1.479-13	2.388-29	7.788-15	.000+00	.000+00	1.932-26	.000+00	.000+00
1.0	3.745-27	1.196-13	1.508-29	7.878-15	.000+00	.000+00	1.252-26	.000+00	.000+00
1.2	4.850-27	9.791-14	9.498-30	8.042-15	.000+00	.000+00	8.224-27	.000+00	.000+00
1.4	6.404-27	8.137-14	5.962-30	8.331-15	.000+00	.000+00	5.516-27	.000+00	.000+00
1.6	8.724-27	6.920-14	3.711-30	8.839-15	.000+00	.000+00	3.821-27	.000+00	.000+00
1.8	1.250-26	6.100-14	2.294-30	9.748-15	.000+00	.000+00	2.785-27	.000+00	.000+00
2.0	1.939-26	5.689-14	1.390-30	1.143-14	.000+00	.000+00	2.198-27	.000+00	.000+00
2.2	3.413-26	5.[illegible]-14	8.194-31	1.479-14	.000+00	.000+00	1.967-27	.000+00	.000+00
2.4	7.321-26	6.805-14	4.626-31	2.230-14	.000+00	.000+00	2.150-27	.000+00	.000+00

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LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	4.853-30	.000+00	.000+00	8.273-07	2.096-01	8.365-03	9.802-19	2.687-05
-6.8	.000+00	2.594-30	.000+00	.000+00	6.687-07	1.824-01	8.487-03	6.867-19	2.726-05
-6.6	.000+00	1.339-30	.000+00	.000+00	5.369-07	1.569-01	8.606-03	4.821-19	2.766-05
-6.4	.000+00	7.509-31	.000+00	.000+00	4.319-07	1.331-01	8.717-03	3.389-19	2.803-05
-6.2	.000+00	4.118-31	.000+00	.000+00	3.470-07	1.117-01	8.818-03	2.359-19	2.832-05
-6.0	.000+00	2.230-31	.000+00	.000+00	2.784-07	9.269-02	8.904-03	1.635-19	2.861-05
-5.8	.000+00	1.201-31	.000+00	.000+00	2.230-07	7.632-02	8.983-03	1.125-19	2.885-05
-5.6	.000+00	6.433-32	.000+00	.000+00	1.784-07	6.260-02	9.048-03	7.663-20	2.906-05
-5.4	.000+00	3.420-32	.000+00	.000+00	1.420-07	5.073-02	9.103-03	5.173-20	2.924-05
-5.2	.000+00	1.805-32	.000+00	.000+00	1.138-07	4.106-02	9.148-03	3.451-20	2.938-05
-5.0	.000+00	9.458-33	.000+00	.000+00	9.077-08	3.311-02	9.185-03	2.295-20	2.950-05
-4.8	.000+00	4.922-33	.000+00	.000+00	7.234-08	2.662-02	9.215-03	1.510-20	2.960-05
-4.6	.000+00	2.546-33	.000+00	.000+00	5.761-08	2.134-02	9.240-03	9.870-21	2.968-05
-4.4	.000+00	1.310-33	.000+00	.000+00	4.586-08	1.708-02	9.260-03	6.411-21	2.976-05
-4.2	.000+00	.000+00	.000+00	.000+00	3.649-08	1.365-02	9.276-03	4.143-21	2.979-05
-4.0	.000+00	.000+00	.000+00	.000+00	2.903-08	1.090-02	9.289-03	2.665-21	2.984-05
-3.8	.000+00	.000+00	.000+00	.000+00	2.308-08	8.690-03	9.299-03	1.708-21	2.987-05
-3.6	.000+00	.000+00	.000+00	.000+00	1.835-08	6.924-03	9.308-03	1.092-21	2.990-05
-3.4	.000+00	.000+00	.000+00	.000+00	1.459-08	5.513-03	9.314-03	6.959-22	2.992-05
-3.2	.000+00	.000+00	.000+00	.000+00	1.159-08	4.388-03	9.319-03	4.427-22	2.993-05
-3.0	.000+00	.000+00	.000+00	.000+00	9.213-09	3.491-03	9.324-03	2.812-22	2.995-05
-2.8	.000+00	.000+00	.000+00	.000+00	7.321-09	2.776-03	9.327-03	1.784-22	2.996-05
-2.6	.000+00	.000+00	.000+00	.000+00	5.817-09	2.207-03	9.330-03	1.130-22	2.997-05
-2.4	.000+00	.000+00	.000+00	.000+00	4.621-09	1.755-03	9.332-03	7.154-23	2.997-05
-2.2	.000+00	.000+00	.000+00	.000+00	3.672-09	1.395-03	9.333-03	4.525-23	2.998-05
-2.0	.000+00	.000+00	.000+00	.000+00	2.917-09	1.108-03	9.335-03	2.862-23	2.998-05
-1.8	.000+00	.000+00	.000+00	.000+00	2.317-09	8.808-04	9.336-03	1.809-23	2.999-05
-1.6	.000+00	.000+00	.000+00	.000+00	1.841-09	6.998-04	9.337-03	1.143-23	2.999-05
-1.4	.000+00	.000+00	.000+00	.000+00	1.462-09	5.560-04	9.337-03	7.218-24	2.999-05
-1.2	.000+00	.000+00	.000+00	.000+00	1.162-09	4.417-04	9.338-03	4.558-24	2.999-05
-1.0	.000+00	.000+00	.000+00	.000+00	9.227-10	3.509-04	9.338-03	2.878-24	2.999-05
-.8	.000+00	.000+00	.000+00	.000+00	7.329-10	2.788-04	9.339-03	1.817-24	3.000-05
-.6	.000+00	.000+00	.000+00	.000+00	5.821-10	2.214-04	9.339-03	1.146-24	3.000-05
-.4	.000+00	.000+00	.000+00	.000+00	4.623-10	1.759-04	9.339-03	7.234-25	3.000-05
-.2	.000+00	.000+00	.000+00	.000+00	3.672-10	1.397-04	9.340-03	4.563-25	3.000-05
.0	.000+00	.000+00	.000+00	.000+00	2.916-10	1.109-04	9.340-03	2.878-25	3.000-05
.2	.000+00	.000+00	.000+00	.000+00	2.315-10	8.809-05	9.340-03	1.814-25	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	1.837-10	6.991-05	9.340-03	1.142-25	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	1.457-10	5.547-05	9.340-03	.000+00	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	1.155-10	4.398-05	9.340-03	.000+00	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	9.147-11	3.483-05	9.340-03	.000+00	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	7.227-11	2.754-05	9.341-03	.000+00	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	5.693-11	2.171-05	9.341-03	.000+00	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	4.463-11	1.705-05	9.341-03	.000+00	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	3.472-11	1.329-05	9.342-03	.000+00	3.001-05
2.0	.000+00	.000+00	.000+00	.000+00	2.668-11	1.025-05	9.343-03	.000+00	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	2.011-11	7.774-06	9.345-03	.000+00	3.001-05
2.4	.000+00	.000+00	.000+00	.000+00	1.471-11	5.734-06	9.349-03	.000+00	3.003-05

T= 2000

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	8.132-10	1.11662+00	6.41770+00	7.53433+00	4.91448+01	-6.68721+00	1.11662+00
-6.8	6.825-10	1.10047+00	5.94037+00	7.04084+00	4.81570+01	-5.89154+00	1.10047+00
-6.6	5.681-10	1.08526+00	5.49071+00	6.57597+00	4.72041+01	-5.69958+00	1.08526+00
-6.4	4.694-10	1.07144+00	5.08159+00	6.13343+00	4.62989+01	-5.50515+00	1.07144+00
-6.2	3.853-10	1.05923+00	4.72096+00	5.73019+00	4.54473+01	-5.31012+00	1.05923+00
-6.0	3.144-10	1.04869+00	4.40918+00	5.45787+00	4.46502+01	-5.11447+00	1.04869+00
-5.8	2.554-10	1.03975+00	4.14467+00	5.18443+00	4.39049+01	-4.91819+00	1.03975+00
-5.6	2.065-10	1.03228+00	3.92338+00	4.95566+00	4.32066+01	-4.72132+00	1.03228+00
-5.4	1.665-10	1.02609+00	3.74027+00	4.76635+00	4.25495+01	-4.52383+00	1.02609+00
-5.2	1.338-10	1.02101+00	3.59003+00	4.61104+00	4.19280+01	-4.32509+00	1.02101+00
-5.0	1.073-10	1.01688+00	3.46760+00	4.48448+00	4.13364+01	-4.12785+00	1.01688+00
-4.8	8.589-11	1.01352+00	3.36837+00	4.38189+00	4.07696+01	-3.92928+00	1.01352+00
-4.6	6.864-11	1.01082+00	3.28827+00	4.29908+00	4.02234+01	-3.73044+00	1.01082+00
-4.4	5.479-11	1.00864+00	3.22383+00	4.23247+00	3.96940+01	-3.53138+00	1.00864+00
-4.2	4.369-11	1.00689+00	3.17212+00	4.17902+00	3.91782+01	-3.33213+00	1.00689+00
-4.0	3.481-11	1.00549+00	3.13072+00	4.13622+00	3.86735+01	-3.13274+00	1.00549+00
-3.8	2.772-11	1.00438+00	3.09763+00	4.10200+00	3.81776+01	-2.93322+00	1.00439+00
-3.6	2.206-11	1.00348+00	3.07120+00	4.07469+00	3.76889+01	-2.73361+00	1.00348+00
-3.4	1.755-11	1.00277+00	3.05013+00	4.05291+00	3.72058+01	-2.53391+00	1.00277+00
-3.2	1.396-11	1.00221+00	3.03334+00	4.03555+00	3.67274+01	-2.33416+00	1.00220+00
-3.0	1.110-11	1.00175+00	3.01997+00	4.02173+00	3.62526+01	-2.13435+00	1.00175+00
-2.8	8.821-12	1.00140+00	3.00933+00	4.01073+00	3.57807+01	-1.93451+00	1.00139+00
-2.6	7.010-12	1.00111+00	3.00086+00	4.00198+00	3.53112+01	-1.73463+00	1.00111+00
-2.4	5.571-12	1.00089+00	2.99413+00	3.99502+00	3.48434+01	-1.53473+00	1.00088+00
-2.2	4.426-12	1.00071+00	2.98878+00	3.98948+00	3.43772+01	-1.33481+00	1.00070+00
-2.0	3.516-12	1.00057+00	2.98452+00	3.98509+00	3.39122+01	-1.13487+00	1.00055+00
-1.8	2.793-12	1.00046+00	2.98114+00	3.98160+00	3.34480+01	-9.34920-01	1.00044+00
-1.6	2.218-12	1.00038+00	2.97846+00	3.97884+00	3.29846+01	-7.34950-01	1.00035+00
-1.4	1.762-12	1.00033+00	2.97632+00	3.97665+00	3.25218+01	-5.34970-01	1.00027+00
-1.2	1.399-12	1.00031+00	2.97463+00	3.97493+00	3.20594+01	-3.34980-01	1.00022+00
-1.0	1.111-12	1.00031+00	2.97329+00	3.97360+00	3.15974+01	-1.34980-01	1.00017+00
-.8	8.916-13	1.00036+00	2.97222+00	3.97257+00	3.11357+01	6.50400-02	1.00013+00
-.6	6.998-13	1.00046+00	2.97137+00	3.97183+00	3.06742+01	2.65080-01	1.00010+00
-.4	5.554-13	1.00065+00	2.97069+00	3.97134+00	3.02127+01	4.65160-01	1.00007+00
-.2	4.408-13	1.00096+00	2.97015+00	3.97111+00	2.97513+01	6.65300-01	1.00005+00
.0	3.498-13	1.00147+00	2.96972+00	3.97119+00	2.92898+01	8.65520-01	1.00003+00
.2	2.777-13	1.00229+00	2.96936+00	3.97165+00	2.88281+01	1.06588+00	1.00002+00
.4	2.206-13	1.00360+00	2.96905+00	3.97266+00	2.83659+01	1.26644+00	1.00000+00
.6	1.754-13	1.00569+00	2.96877+00	3.97446+00	2.79030+01	1.46735+00	9.99990-01
.8	1.397-13	1.00901+00	2.96847+00	3.97748+00	2.74389+01	1.66878+00	9.99970-01
1.0	1.117-13	1.01428+00	2.96812+00	3.98235+00	2.69727+01	1.87104+00	9.99950-01
1.2	8.988-14	1.02263+00	2.96765+00	3.99028+00	2.65034+01	2.07460+00	9.99920-01
1.4	7.305-14	1.03587+00	2.96696+00	4.00284+00	2.60289+01	2.28019+00	9.99890-01
1.6	6.037-14	1.05686+00	2.96592+00	4.02279+00	2.55464+01	2.48890+00	9.99850-01
1.8	5.126-14	1.09012+00	2.96432+00	4.05444+00	2.50510+01	2.70236+00	9.99790-01
2.0	4.547-14	1.14276+00	2.96185+00	4.10462+00	2.45353+01	2.92284+00	9.99690-01
2.2	4.321-14	1.22601+00	2.95813+00	4.18414+00	2.39877+01	3.15338+00	9.99530-01
2.4	4.576-14	1.35720+00	2.95290+00	4.31010+00	2.33899+01	3.39753+00	9.99080-01

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.686-01	3.732-02	4.232-03	2.664-04	1.711-05	2.674-09	1.463-10	3.110-21	9.719-15
-6.8	6.766-01	4.988-02	5.622-03	2.623-04	2.440-05	4.500-09	2.142-10	2.332-21	9.827-15
-6.6	6.859-01	6.415-02	5.619-03	2.572-04	3.387-05	7.283-09	3.078-10	1.769-21	9.460-15
-6.4	6.956-01	7.944-02	5.298-03	2.498-04	4.572-05	1.135-08	4.361-10	1.356-21	8.856-15
-6.2	7.056-01	9.495-02	6.915-03	2.387-04	6.000-05	1.708-08	6.018-10	1.049-21	8.072-15
-6.0	7.152-01	1.101-01	7.518-03	2.273-04	7.658-05	2.493-08	8.211-10	8.169-22	7.189-15
-5.8	7.243-01	1.243-01	8.037-03	2.124-04	9.519-05	3.541-08	1.105-09	6.397-22	6.273-15
-5.6	7.325-01	1.371-01	8.490-03	1.960-04	1.154-04	4.918-08	1.469-09	5.029-22	5.390-15
-5.4	7.398-01	1.484-01	8.878-03	1.780-04	1.346-04	6.703-08	1.934-09	3.965-22	4.548-15
-5.2	7.461-01	1.583-01	9.205-03	1.592-04	1.581-04	8.996-08	2.524-09	3.133-22	3.799-15
-5.0	7.514-01	1.666-01	9.479-03	1.403-04	1.793-04	1.192-07	3.272-09	2.479-22	3.142-15
-4.8	7.559-01	1.736-01	9.705-03	1.219-04	1.996-04	1.566-07	4.217-09	1.964-22	2.578-15
-4.6	7.596-01	1.794-01	9.890-03	1.044-04	2.186-04	2.035-07	5.411-09	1.557-22	2.102-15
-4.4	7.627-01	1.842-01	1.004-02	8.862-05	2.358-04	2.630-07	6.915-09	1.235-22	1.704-15
-4.2	7.652-01	1.881-01	1.016-02	7.433-05	2.512-04	3.381-07	8.812-09	9.796-23	1.377-15
-4.0	7.672-01	1.913-01	1.026-02	6.176-05	2.647-04	4.328-07	1.120-08	7.775-23	1.108-15
-3.8	7.689-01	1.938-01	1.034-02	5.092-05	2.762-04	5.521-07	1.421-08	6.172-23	8.895-16
-3.6	7.702-01	1.959-01	1.041-02	4.179-05	2.860-04	7.024-07	1.800-08	4.901-23	7.125-16
-3.4	7.713-01	1.976-01	1.046-02	3.395-05	2.942-04	8.918-07	2.277-08	3.892-23	5.698-16
-3.2	7.721-01	1.989-01	1.050-02	2.752-05	3.010-04	1.130-06	2.878-08	3.091-23	4.550-16
-3.0	7.728-01	2.000-01	1.053-02	2.221-05	3.066-04	1.430-06	3.635-08	2.455-23	3.630-16
-2.8	7.734-01	2.008-01	1.056-02	1.788-05	3.112-04	1.809-06	4.587-08	1.950-23	2.896-16
-2.6	7.738-01	2.015-01	1.058-02	1.435-05	3.149-04	2.294-06	5.786-08	1.560-23	2.305-16
-2.4	7.742-01	2.020-01	1.059-02	1.149-05	3.179-04	2.894-06	7.295-08	1.230-23	1.835-16
-2.2	7.744-01	2.025-01	1.061-02	9.192-06	3.203-04	3.630-06	9.196-08	9.774-24	1.460-16
-2.0	7.747-01	2.028-01	1.062-02	7.340-06	3.223-04	4.588-06	1.159-07	7.765-24	1.162-16
-1.8	7.748-01	2.031-01	1.063-02	5.856-06	3.238-04	5.784-06	1.460-07	6.170-24	9.243-17
-1.6	7.750-01	2.033-01	1.063-02	4.667-06	3.251-04	7.289-06	1.839-07	4.903-24	7.351-17
-1.4	7.751-01	2.035-01	1.064-02	3.717-06	3.261-04	9.185-06	2.317-07	3.897-24	5.846-17
-1.2	7.752-01	2.036-01	1.064-02	2.959-06	3.269-04	1.157-05	2.917-07	3.097-24	4.650-17
-1.0	7.752-01	2.037-01	1.065-02	2.354-06	3.275-04	1.458-05	3.674-07	2.462-24	3.698-17
-.8	7.753-01	2.038-01	1.065-02	1.873-06	3.280-04	1.836-05	4.626-07	1.958-24	2.942-17
-.6	7.753-01	2.038-01	1.065-02	1.489-06	3.284-04	2.314-05	5.825-07	1.557-24	2.340-17
-.4	7.754-01	2.039-01	1.065-02	1.184-06	3.288-04	2.915-05	7.335-07	1.239-24	1.862-17
-.2	7.754-01	2.039-01	1.065-02	9.406-07	3.290-04	3.674-05	9.235-07	9.866-25	1.483-17
.0	7.754-01	2.040-01	1.065-02	7.472-07	3.292-04	4.633-05	1.163-06	7.855-25	1.181-17
.2	7.754-01	2.040-01	1.065-02	5.934-07	3.294-04	5.847-05	1.464-06	6.259-25	9.408-18
.4	7.754-01	2.040-01	1.065-02	4.711-07	3.295-04	7.390-05	1.843-06	4.991-25	7.500-18
.6	7.755-01	2.040-01	1.065-02	3.737-07	3.296-04	9.361-05	2.321-06	3.983-25	5.983-18
.8	7.755-01	2.040-01	1.065-02	2.961-07	3.297-04	1.190-04	2.922-06	3.181-25	4.777-18
1.0	7.755-01	2.040-01	1.065-02	2.343-07	3.298-04	1.521-04	3.680-06	2.543-25	3.815-18
1.2	7.755-01	2.039-01	1.064-02	1.849-07	3.298-04	1.962-04	4.635-06	2.035-25	3.049-18
1.4	7.755-01	2.039-01	1.064-02	1.454-07	3.299-04	2.547-04	5.840-06	1.630-25	2.437-18
1.6	7.755-01	2.038-01	1.063-02	1.136-07	3.299-04	3.434-04	7.361-06	1.306-25	1.946-18
1.8	7.755-01	2.037-01	1.061-02	8.787-08	3.300-04	4.761-04	9.285-06	1.047-25	1.552-18
2.0	7.755-01	2.035-01	1.059-02	6.695-08	3.300-04	6.983-04	1.172-05	8.390-26	1.233-18
2.2	7.754-01	2.032-01	1.054-02	4.980-08	3.301-04	1.119-03	1.483-05	6.715-26	9.730-19
2.4	7.754-01	2.024-01	1.047-02	3.568-08	3.303-04	2.061-03	1.879-05	5.366-26	7.598-19

T= 2100

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.305-31	2.748-09	6.514-21	1.107-14	4.659-24	.000+00	1.482-17	.000+00	.000+00
-6.8	1.318-30	2.369-09	4.759-21	1.381-14	2.776-24	.000+00	1.015-17	.000+00	.000+00
-6.6	2.264-30	2.024-09	3.488-21	1.673-14	1.673-24	.000+00	6.890-18	.000+00	.000+00
-6.4	3.709-30	1.715-09	2.559-21	1.971-14	1.019-24	.000+00	4.637-18	.000+00	.000+00
-6.2	5.817-30	1.440-09	1.873-21	2.252-14	6.262-25	.000+00	3.093-18	.000+00	.000+00
-6.0	8.777-30	1.198-09	1.365-21	2.535-14	3.874-25	.000+00	2.047-18	.000+00	.000+00
-5.8	1.281-29	9.911-10	9.871-22	2.765-14	2.410-25	.000+00	1.344-18	.000+00	.000+00
-5.6	1.810-29	8.138-10	7.073-22	3.006-14	1.505-25	.000+00	8.767-19	.000+00	.000+00
-5.4	2.522-29	6.644-10	5.014-22	3.199-14	9.428-26	.000+00	5.685-19	.000+00	.000+00
-5.2	3.431-29	5.397-10	3.514-22	3.363-14	5.917-26	.000+00	3.669-19	.000+00	.000+00
-5.0	4.598-29	4.366-10	2.433-22	3.502-14	3.720-26	.000+00	2.358-19	.000+00	.000+00
-4.8	6.085-29	3.520-10	1.665-22	3.617-14	2.340-26	.000+00	1.510-19	.000+00	.000+00
-4.6	7.972-29	2.830-10	1.126-22	3.712-14	1.474-26	.000+00	9.643-20	.000+00	.000+00
-4.4	1.036-28	2.270-10	7.541-23	3.789-14	9.286-27	.000+00	6.144-20	.000+00	.000+00
-4.2	1.338-28	1.817-10	5.002-23	3.853-14	5.853-27	.000+00	3.907-20	.000+00	.000+00
-4.0	1.718-28	1.452-10	3.290-23	3.904-14	3.690-27	.000+00	2.480-20	.000+00	.000+00
-3.8	2.198-28	1.159-10	2.149-23	3.945-14	2.327-27	.000+00	1.573-20	.000+00	.000+00
-3.6	2.803-28	9.249-11	1.395-23	3.978-14	1.468-27	.000+00	9.964-21	.000+00	.000+00
-3.4	3.565-28	7.367-11	9.006-24	4.004-14	9.257-28	.000+00	6.307-21	.000+00	.000+00
-3.2	4.524-28	5.867-11	5.790-24	4.025-14	5.840-28	.000+00	3.990-21	.000+00	.000+00
-3.0	5.732-28	4.670-11	3.709-24	4.042-14	3.684-28	.000+00	2.523-21	.000+00	.000+00
-2.8	7.252-28	3.716-11	2.369-24	4.055-14	2.324-28	.000+00	1.595-21	.000+00	.000+00
-2.6	9.166-28	2.956-11	1.510-24	4.065-14	1.467-28	.000+00	1.007-21	.000+00	.000+00
-2.4	1.157-27	2.351-11	9.603-25	4.073-14	9.255-29	.000+00	6.364-22	.000+00	.000+00
-2.2	1.461-27	1.869-11	6.098-25	4.079-14	5.840-29	.000+00	4.020-22	.000+00	.000+00
-2.0	1.842-27	1.486-11	3.868-25	4.084-14	3.686-29	.000+00	2.539-22	.000+00	.000+00
-1.8	2.322-27	1.182-11	2.451-25	4.087-14	2.326-29	.000+00	1.603-22	.000+00	.000+00
-1.6	2.926-27	9.394-12	1.552-25	4.088-14	1.468-29	.000+00	1.013-22	.000+00	.000+00
-1.4	3.685-27	7.469-12	9.824-26	4.089-14	9.271-30	.000+00	6.395-23	.000+00	.000+00
-1.2	4.641-27	5.939-12	6.216-26	4.089-14	5.854-30	.000+00	4.039-23	.000+00	.000+00
-1.0	5.842-27	4.723-12	3.931-26	4.088-14	3.696-30	.000+00	2.552-23	.000+00	.000+00
-.8	7.353-27	3.757-12	2.486-26	4.086-14	2.336-30	.000+00	1.613-23	.000+00	.000+00
-.6	9.252-27	2.990-12	1.572-26	4.083-14	1.477-30	.000+00	1.020-23	.000+00	.000+00
-.4	1.164-26	2.381-12	9.945-27	4.079-14	9.340-31	.000+00	6.450-24	.000+00	.000+00
-.2	1.465-26	1.897-12	6.290-27	4.075-14	5.913-31	.000+00	4.084-24	.000+00	.000+00
.0	1.843-26	1.513-12	3.980-27	4.072-14	3.747-31	.000+00	2.589-24	.000+00	.000+00
.2	2.321-26	1.209-12	2.519-27	4.069-14	2.379-31	.000+00	1.644-24	.000+00	.000+00
.4	2.927-26	9.674-13	1.594-27	4.070-14	1.514-31	.000+00	1.047-24	.000+00	.000+00
.6	3.698-26	7.766-13	1.009-27	4.077-14	9.666-32	.000+00	6.690-25	.000+00	.000+00
.8	4.691-26	6.263-13	6.391-28	4.095-14	6.205-32	.000+00	4.300-25	.000+00	.000+00
1.0	5.990-26	5.083-13	4.045-28	4.133-14	4.014-32	.000+00	2.789-25	.000+00	.000+00
1.2	7.735-26	4.166-13	2.556-28	4.207-14	2.628-32	.000+00	1.831-25	.000+00	.000+00
1.4	1.017-25	3.469-13	1.612-28	4.340-14	1.751-32	.000+00	1.227-25	.000+00	.000+00
1.6	1.378-25	2.949-13	1.011-28	4.580-14	1.200-32	.000+00	8.485-26	.000+00	.000+00
1.8	1.959-25	2.600-13	6.291-29	5.012-14	8.592-33	.000+00	6.157-26	.000+00	.000+00
2.0	3.006-25	2.422-13	3.859-29	5.814-14	6.582-33	.000+00	4.820-26	.000+00	.000+00
2.2	5.203-25	2.461-13	2.315-29	7.399-14	5.613-33	.000+00	4.254-26	.000+00	.000+00
2.4	1.091-24	2.868-13	1.342-29	1.089-13	5.676-33	.000+00	4.539-26	.000+00	.000+00

BU

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.CCC+CC	5.562-28	.CCC+00	.CCC+CO	3.C63-06	2.813-01	8.025-03	1.438-17	2.578-05
-6.8	.CCC+CC	2.859-28	.CCC+00	.CCC+CO	2.163-06	2.600-01	8.125-03	1.116-17	2.610-05
-6.6	.CCC+CO	1.452-28	.CCC+00	.CCC+CO	1.583-06	2.358-01	8.238-03	7.709-18	2.644-05
-6.4	.CCC+CO	7.680-29	.CCC+00	.CCC+CO	1.198-06	2.100-01	8.359-03	5.380-18	2.685-05
-6.2	.CCC+CO	4.163-29	.CCC+00	.CCC+CO	1.288-06	1.837-01	8.481-03	3.760-18	2.724-05
-6.0	.CCC+CC	2.221-29	.CCC+00	.CCC+CO	1.037-06	1.592-01	8.600-03	2.663-18	2.762-05
-5.8	.CCC+CO	1.209-29	.CCC+00	.CCC+CC	8.343-07	1.374-01	8.712-03	1.875-18	2.798-05
-5.6	.CCC+CO	6.589-30	.CCC+00	.CCC+CO	6.706-07	1.188-01	8.813-03	1.314-18	2.831-05
-5.4	.CCC+CO	3.56A-30	.CCC+00	.CCC+CO	5.373-07	9.367-02	8.902-03	9.157-19	2.859-05
-5.2	.CCC+CC	1.940-30	.CCC+00	.CCC+CO	4.309-07	7.715-02	8.979-03	6.324-19	2.884-05
-5.0	.CCC+CO	1.044-30	.CCC+00	.CCC+CO	3.447-07	6.311-02	9.045-03	4.333-19	2.905-05
-4.8	.CCC+CO	5.574-31	.CCC+00	.CCC+CO	2.755-07	5.133-02	9.100-03	2.939-19	2.923-05
-4.6	.CCC+CO	2.954-31	.CCC+00	.CCC+CO	2.199-07	4.155-02	9.145-03	1.975-19	2.938-05
-4.4	.CCC+CC	1.554-31	.CCC+00	.CCC+CO	1.764-07	3.351-02	9.183-03	1.315-19	2.950-05
-4.2	.CCC+CO	8.116-32	.CCC+00	.CCC+CO	1.398-07	2.695-02	9.214-03	8.682-20	2.959-05
-4.0	.CCC+CC	4.211-32	.CCC+00	.CCC+CO	1.113-07	2.161-02	9.239-03	5.641-20	2.967-05
-3.8	.CCC+CC	2.172-32	.CCC+00	.CCC+CO	8.862-08	1.730-02	9.259-03	3.706-20	2.974-05
-3.6	.CCC+CC	1.119-32	.CCC+00	.CCC+CO	7.052-08	1.383-02	9.275-03	2.430-20	2.979-05
-3.4	.CCC+CO	5.699-33	.CCC+00	.CCC+CO	5.609-08	1.104-02	9.288-03	1.567-20	2.983-05
-3.2	.CCC+CO	2.902-33	.CCC+00	.CCC+CO	4.461-08	8.802-03	9.299-03	9.931-21	2.987-05
-3.0	.CCC+CO	1.474-33	.CCC+00	.CCC+CO	3.546-08	7.016-03	9.307-03	6.334-21	2.989-05
-2.8	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	2.819-08	5.585-03	9.314-03	4.055-21	2.992-05
-2.6	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	2.240-08	4.445-03	9.319-03	2.582-21	2.993-05
-2.4	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.780-08	3.535-03	9.323-03	1.641-21	2.995-05
-2.2	.CCC+CC	.CCC+CO	.CCC+00	.CCC+CO	1.415-08	2.813-03	9.327-03	1.041-21	2.996-05
-2.0	.CCC+CO	.CCC+CO	.CCC+00	.CCC+CO	1.124-08	2.236-03	9.330-03	6.601-22	2.997-05
-1.8	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	8.931-09	1.778-03	9.332-03	4.180-22	2.997-05
-1.6	.CCC+CC	.CCC+00	.CCC+00	.CCC+CO	7.096-09	1.413-03	9.333-03	2.645-22	2.998-05
-1.4	.CCC+CC	.CCC+CO	.CCC+00	.CCC+CO	5.637-09	1.123-03	9.335-03	1.673-22	2.998-05
-1.2	.CCC+00	.CCC+00	.CCC+00	.CCC+CO	4.478-09	8.923-04	9.336-03	1.058-22	2.999-05
-1.0	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	3.557-09	7.090-04	9.337-03	6.683-23	2.999-05
-.8	.CCC+CC	.CCC+CO	.CCC+00	.CCC+CO	2.826-09	5.633-04	9.337-03	4.221-23	2.999-05
-.6	.CCC+CC	.CCC+00	.CCC+00	.CCC+CO	2.244-09	4.475-04	9.338-03	2.665-23	2.999-05
-.4	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.783-09	3.554-04	9.338-03	1.682-23	3.000-05
-.2	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.416-09	2.823-04	9.339-03	1.062-23	3.000-05
.0	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.124-09	2.242-04	9.339-03	6.697-24	3.000-05
.2	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	8.926-10	1.780-04	9.339-03	4.222-24	3.000-05
.4	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	7.084-10	1.413-04	9.340-03	2.660-24	3.000-05
.6	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	5.620-10	1.121-04	9.340-03	1.673-24	3.000-05
.8	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	4.455-10	8.889-05	9.340-03	1.051-24	3.000-05
1.0	.CCC+CC	.CCC+00	.CCC+00	.CCC+CO	3.527-10	7.041-05	9.340-03	6.580-25	3.000-05
1.2	.CCC+CC	.CCC+00	.CCC+00	.CCC+CO	2.787-10	5.567-05	9.341-03	4.101-25	3.000-05
1.4	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	2.196-10	4.389-05	9.341-03	2.537-25	3.000-05
1.6	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.721-10	3.446-05	9.341-03	1.551-25	3.000-05
1.8	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.339-10	2.687-05	9.342-03	.000+00	3.001-05
2.0	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.029-10	2.073-05	9.343-03	.000+00	3.001-05
2.2	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	7.763-11	1.572-05	9.345-03	.000+00	3.002-05
2.4	.CCC+CC	.CCC+00	.CCC+00	.CCC+CO	5.680-11	1.159-05	9.350-03	.000+00	3.003-05

T= 2100

LOG C	E-	Z	E/RT	H/RT	S/P	LOG P	Z*
-7.0	2.748-09	1.16388+00	7.60189+00	8.76576+00	5.06732+01	-6.04862+00	1.16388+00
-6.8	2.369-09	1.14959+00	7.20175+00	8.35133+00	4.97403+01	-5.85338+00	1.14959+00
-6.6	2.024-09	1.13383+00	6.76002+00	7.89385+00	4.87728+01	-5.65938+00	1.13383+00
-6.4	1.715-09	1.11745+00	6.30045+00	7.41790+00	4.77948+01	-5.46570+00	1.11745+00
-6.2	1.440-09	1.10129+00	5.84676+00	6.94805+00	4.68303+01	-5.27202+00	1.10129+00
-6.0	1.199-09	1.08604+00	5.41826+00	6.50429+00	4.58982+01	-5.07808+00	1.08604+00
-5.8	9.911-10	1.07214+00	5.02792+00	6.10008+00	4.50110+01	-4.89367+00	1.07214+00
-5.6	8.138-10	1.05986+00	4.68255+00	5.74241+00	4.41748+01	-4.68868+00	1.05986+00
-5.4	6.643-10	1.04923+00	4.38387+00	5.43311+00	4.33965+01	-4.49305+00	1.04923+00
-5.2	5.397-10	1.04021+00	4.13021+00	5.17042+00	4.26558+01	-4.29681+00	1.04021+00
-5.0	4.366-10	1.03266+00	3.91780+00	4.95046+00	4.19662+01	-4.09997+00	1.03266+00
-4.8	3.520-10	1.02641+00	3.74191+00	4.76831+00	4.13162+01	-3.90261+00	1.02641+00
-4.6	2.829-10	1.02127+00	3.59752+00	4.61875+00	4.07004+01	-3.70479+00	1.02127+00
-4.4	2.269-10	1.01709+00	3.47980+00	4.49689+00	4.01133+01	-3.50657+00	1.01709+00
-4.2	1.816-10	1.01370+00	3.38435+00	4.39805+00	3.95503+01	-3.30802+00	1.01359+00
-4.0	1.452-10	1.01096+00	3.30729+00	4.31824+00	3.90371+01	-3.10919+00	1.01096+00
-3.8	1.159-10	1.00875+00	3.24527+00	4.25403+00	3.84800+01	-2.91014+00	1.00875+00
-3.6	9.241-11	1.00698+00	3.19551+00	4.20249+00	3.79661+01	-2.71090+00	1.00698+00
-3.4	7.363-11	1.00557+00	3.15565+00	4.16122+00	3.74629+01	-2.51152+00	1.00557+00
-3.2	5.863-11	1.00443+00	3.12379+00	4.12822+00	3.69682+01	-2.31201+00	1.00443+00
-3.0	4.666-11	1.00353+00	3.09835+00	4.10198+00	3.64804+01	-2.11240+00	1.00353+00
-2.8	3.712-11	1.00281+00	3.07806+00	4.08087+00	3.59982+01	-1.91271+00	1.00281+00
-2.6	2.952-11	1.00224+00	3.06189+00	4.06413+00	3.55223+01	-1.71296+00	1.00223+00
-2.4	2.347-11	1.00178+00	3.04901+00	4.05086+00	3.50460+01	-1.51315+00	1.00178+00
-2.2	1.865-11	1.00142+00	3.03877+00	4.04019+00	3.45745+01	-1.31331+00	1.00141+00
-2.0	1.482-11	1.00114+00	3.03061+00	4.03175+00	3.41053+01	-1.11343+00	1.00112+00
-1.8	1.177-11	1.00091+00	3.02413+00	4.02504+00	3.36378+01	-9.13530-01	1.00089+00
-1.6	9.353-12	1.00074+00	3.01897+00	4.01972+00	3.31717+01	-7.13600-01	1.00071+00
-1.4	7.428-12	1.00062+00	3.01488+00	4.01555+00	3.27068+01	-5.13660-01	1.00056+00
-1.2	5.898-12	1.00053+00	3.01162+00	4.01216+00	3.22428+01	-3.13700-01	1.00044+00
-1.0	4.682-12	1.00049+00	3.00904+00	4.00953+00	3.17796+01	-1.13710-01	1.00035+00
-.8	3.716-12	1.00050+00	3.00699+00	4.00745+00	3.13167+01	8.62300-02	1.00027+00
-.6	2.949-12	1.00057+00	3.00536+00	4.00593+00	3.08543+01	2.86320-01	1.00021+00
-.4	2.340-12	1.00074+00	3.00406+00	4.00480+00	3.03922+01	4.86390-01	1.00016+00
-.2	1.856-12	1.00103+00	3.00303+00	4.00406+00	2.99302+01	6.86520-01	1.00012+00
.0	1.472-12	1.00153+00	3.00222+00	4.00374+00	2.94683+01	8.86740-01	1.00009+00
.2	1.168-12	1.00234+00	3.00156+00	4.00385+00	2.90062+01	1.08709+00	1.00006+00
.4	9.267-13	1.00364+00	3.00102+00	4.00466+00	2.85438+01	1.28765+00	1.00003+00
.6	7.359-13	1.00571+00	3.00056+00	4.00629+00	2.80807+01	1.48855+00	1.00001+00
.8	5.853-13	1.00904+00	3.00016+00	4.00920+00	2.76165+01	1.68998+00	9.99980-01
1.0	4.670-13	1.01432+00	2.99975+00	4.01407+00	2.71503+01	1.89225+00	9.99960-01
1.2	3.745-13	1.02269+00	2.99929+00	4.02197+00	2.66809+01	2.09582+00	9.99930-01
1.4	3.032-13	1.03555+00	2.99869+00	4.03465+00	2.62065+01	2.30141+00	9.99890-01
1.6	2.491-13	1.05698+00	2.99787+00	4.05485+00	2.57242+01	2.51014+00	9.99840-01
1.8	2.099-13	1.09030+00	2.99664+00	4.08694+00	2.52291+01	2.72362+00	9.99770-01
2.0	1.841-13	1.14304+00	2.99481+00	4.13786+00	2.47139+01	2.94414+00	9.99660-01
2.2	1.721-13	1.22641+00	2.99215+00	4.21856+00	2.41671+01	3.17471+00	9.99440-01
2.4	1.780-13	1.35771+00	2.98865+00	4.34636+00	2.35709+01	3.41888+00	9.98970-01

T= 2200

LOG E	N2	O2	NO	CO	CO2	NO2	N2S	N2+	O2+
-7.0	6.937-01	1.377-02	3.214-03	2.716-04	5.928-06	1.107-09	1.114-10	5.630-20	2.890-14
-6.8	6.578-01	2.020-02	3.904-03	2.708-04	8.669-06	2.043-09	1.704-10	4.096-20	3.044-14
-6.6	6.632-01	2.877-02	4.678-03	2.692-04	1.200-05	3.642-09	2.570-10	3.010-20	3.181-14
-6.4	6.700-01	3.940-02	5.517-03	2.669-04	1.748-05	6.344-09	3.814-10	2.237-20	3.220-14
-6.2	6.782-01	5.249-02	6.390-03	2.631-04	2.482-05	1.058-08	5.560-10	1.681-20	3.170-14
-6.0	6.874-01	6.893-02	7.264-03	2.577-04	3.431-05	1.698-08	7.955-10	1.279-20	3.033-14
-5.8	6.971-01	8.223-02	8.108-03	2.502-04	4.614-05	2.626-08	1.118-09	9.820-21	2.822-14
-5.6	7.069-01	9.783-02	8.897-03	2.403-04	6.036-05	3.924-08	1.543-09	7.604-21	2.559-14
-5.4	7.164-01	1.125-01	9.614-03	2.279-04	7.684-05	5.691-08	2.099-09	5.931-21	2.269-14
-5.2	7.252-01	1.281-01	1.025-02	2.133-04	9.532-05	8.041-08	2.817-09	4.644-21	1.972-14
-5.0	7.331-01	1.437-01	1.080-02	1.968-04	1.154-04	1.112-07	3.736-09	3.656-21	1.685-14
-4.8	7.401-01	1.587-01	1.127-02	1.788-04	1.364-04	1.510-07	4.908-09	2.884-21	1.421-14
-4.6	7.461-01	1.591-01	1.167-02	1.600-04	1.578-04	2.021-07	6.396-09	2.279-21	1.184-14
-4.4	7.513-01	1.671-01	1.200-02	1.411-04	1.789-04	2.671-07	8.280-09	1.804-21	9.775-15
-4.2	7.555-01	1.738-01	1.227-02	1.227-04	1.992-04	3.497-07	1.066-08	1.429-21	8.009-15
-4.0	7.591-01	1.793-01	1.249-02	1.053-04	2.181-04	4.543-07	1.366-08	1.131-21	6.521-15
-3.8	7.620-01	1.839-01	1.268-02	8.936-05	2.354-04	5.864-07	1.745-08	8.983-22	5.296-15
-3.6	7.644-01	1.876-01	1.282-02	7.497-05	2.508-04	7.532-07	2.222-08	7.133-22	4.266-15
-3.4	7.663-01	1.906-01	1.294-02	6.234-05	2.643-04	9.634-07	2.824-08	5.662-22	3.430-15
-3.2	7.679-01	1.930-01	1.304-02	5.142-05	2.759-04	1.228-06	3.581-08	4.495-22	2.753-15
-3.0	7.691-01	1.950-01	1.311-02	4.212-05	2.857-04	1.562-06	4.535-08	3.569-22	2.204-15
-2.8	7.701-01	1.965-01	1.318-02	3.431-05	2.940-04	1.982-06	5.735-08	2.835-22	1.762-15
-2.6	7.710-01	1.978-01	1.323-02	2.781-05	3.008-04	2.511-06	7.247-08	2.251-22	1.407-15
-2.4	7.716-01	1.988-01	1.326-02	2.246-05	3.064-04	3.178-06	9.151-08	1.788-22	1.123-15
-2.2	7.721-01	1.996-01	1.330-02	1.808-05	3.110-04	4.017-06	1.155-07	1.421-22	8.947-16
-2.0	7.725-01	2.002-01	1.332-02	1.451-05	3.148-04	5.073-06	1.456-07	1.129-22	7.128-16
-1.8	7.729-01	2.008-01	1.334-02	1.163-05	3.178-04	6.403-06	1.836-07	8.969-23	5.676-16
-1.6	7.731-01	2.012-01	1.336-02	9.299-06	3.203-04	8.077-06	2.314-07	7.127-23	4.518-16
-1.4	7.733-01	2.015-01	1.337-02	7.427-06	3.222-04	1.019-05	2.916-07	5.665-23	3.596-16
-1.2	7.735-01	2.017-01	1.338-02	5.925-06	3.238-04	1.284-05	3.674-07	4.504-23	2.862-16
-1.0	7.736-01	2.019-01	1.339-02	4.722-06	3.251-04	1.618-05	4.629-07	3.581-23	2.277-16
-.8	7.737-01	2.021-01	1.339-02	3.761-06	3.261-04	2.039-05	5.829-07	2.848-23	1.812-16
-.6	7.738-01	2.022-01	1.340-02	2.994-06	3.269-04	2.570-05	7.341-07	2.266-23	1.443-16
-.4	7.739-01	2.023-01	1.340-02	2.382-06	3.275-04	3.239-05	9.245-07	1.804-23	1.149-16
-.2	7.739-01	2.024-01	1.340-02	1.894-06	3.280-04	4.083-05	1.164-06	1.437-23	9.152-17
.0	7.740-01	2.025-01	1.341-02	1.506-06	3.284-04	5.150-05	1.466-06	1.145-23	7.294-17
.2	7.740-01	2.025-01	1.341-02	1.196-06	3.288-04	6.500-05	1.846-06	9.130-24	5.817-17
.4	7.740-01	2.025-01	1.341-02	9.500-07	3.290-04	8.216-05	2.326-06	7.289-24	4.643-17
.6	7.740-01	2.025-01	1.341-02	7.538-07	3.292-04	1.041-04	2.926-06	5.824-24	3.709-17
.8	7.741-01	2.025-01	1.340-02	5.975-07	3.294-04	1.323-04	3.684-06	4.660-24	2.967-17
1.0	7.741-01	2.025-01	1.340-02	4.729-07	3.295-04	1.691-04	4.639-06	3.734-24	2.375-17
1.2	7.741-01	2.025-01	1.340-02	3.733-07	3.296-04	2.182-04	5.843-06	2.997-24	1.904-17
1.4	7.741-01	2.025-01	1.339-02	2.935-07	3.297-04	2.855-04	7.360-06	2.411-24	1.528-17
1.6	7.741-01	2.024-01	1.337-02	2.294-07	3.298-04	3.820-04	9.275-06	1.943-24	1.227-17
1.8	7.741-01	2.023-01	1.335-02	1.776-07	3.299-04	5.297-04	1.169-05	1.569-24	9.861-18
2.0	7.741-01	2.021-01	1.332-02	1.354-07	3.300-04	7.770-04	1.476-05	1.271-24	7.919-18
2.2	7.740-01	2.017-01	1.326-02	1.008-07	3.301-04	1.245-03	1.864-05	1.033-24	6.348-18
2.4	7.740-01	2.008-01	1.316-02	7.234-08	3.303-04	2.294-03	2.358-05	8.444-25	5.070-18

T= 2200

LOG E	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.676-30	7.824-09	8.246-20	2.381-14	2.209-22	.000+00	1.900-16	.000+00	.000+00
-6.8	5.423-30	6.873-09	5.943-20	3.178-14	1.277-22	.000+00	1.326-16	.000+00	.000+00
-6.6	1.060-29	6.002-09	4.307-20	4.152-14	7.455-23	.000+00	9.204-17	.000+00	.000+00
-6.4	1.984-29	5.206-09	3.140-20	5.289-14	4.402-23	.000+00	6.342-17	.000+00	.000+00
-6.2	3.540-29	4.479-09	2.300-20	6.553-14	2.629-23	.000+00	4.336-17	.000+00	.000+00
-6.0	6.017-29	3.820-09	1.696-20	7.891-14	1.589-23	.000+00	2.938-17	.000+00	.000+00
-5.8	9.760-29	3.229-09	1.242-20	9.240-14	9.694-24	.000+00	1.973-17	.000+00	.000+00
-5.6	1.517-28	2.706-09	9.112-21	1.055-13	5.966-24	.000+00	1.314-17	.000+00	.000+00
-5.4	2.272-28	2.250-09	6.651-21	1.177-13	3.696-24	.000+00	8.680-18	.000+00	.000+00
-5.2	3.294-28	1.857-09	4.819-21	1.287-13	2.301-24	.000+00	5.691-18	.000+00	.000+00
-5.0	4.651-28	1.523-09	3.459-21	1.385-13	1.438-24	.000+00	3.708-18	.000+00	.000+00
-4.8	6.422-28	1.242-09	2.455-21	1.470-13	9.012-25	.000+00	2.402-18	.000+00	.000+00
-4.6	8.709-28	1.008-09	1.723-21	1.542-13	5.658-25	.000+00	1.549-18	.000+00	.000+00
-4.4	1.163-27	8.146-10	1.194-21	1.602-13	3.557-25	.000+00	9.944-19	.000+00	.000+00
-4.2	1.536-27	6.563-10	8.183-22	1.652-13	2.239-25	.000+00	6.364-19	.000+00	.000+00
-4.0	2.008-27	5.273-10	5.542-22	1.694-13	1.410-25	.000+00	4.062-19	.000+00	.000+00
-3.8	2.606-27	4.227-10	3.715-22	1.727-13	8.895-26	.000+00	2.587-19	.000+00	.000+00
-3.6	3.361-27	3.383-10	2.466-22	1.755-13	5.601-26	.000+00	1.644-19	.000+00	.000+00
-3.4	4.313-27	2.703-10	1.623-22	1.777-13	3.531-26	.000+00	1.044-19	.000+00	.000+00
-3.2	5.514-27	2.158-10	1.061-22	1.794-13	2.227-26	.000+00	6.618-20	.000+00	.000+00
-3.0	7.025-27	1.720-10	6.890-23	1.809-13	1.405-26	.000+00	4.192-20	.000+00	.000+00
-2.8	8.929-27	1.371-10	4.451-23	1.820-13	8.861-27	.000+00	2.653-20	.000+00	.000+00
-2.6	1.133-26	1.092-10	2.863-23	1.829-13	5.590-27	.000+00	1.678-20	.000+00	.000+00
-2.4	1.434-26	8.691-11	1.835-23	1.836-13	3.527-27	.000+00	1.061-20	.000+00	.000+00
-2.2	1.814-26	6.916-11	1.172-23	1.841-13	2.226-27	.000+00	6.708-21	.000+00	.000+00
-2.0	2.292-26	5.502-11	7.474-24	1.845-13	1.405-27	.000+00	4.239-21	.000+00	.000+00
-1.8	2.893-26	4.377-11	4.756-24	1.848-13	8.867-28	.000+00	2.679-21	.000+00	.000+00
-1.6	3.649-26	3.481-11	3.022-24	1.850-13	5.598-28	.000+00	1.692-21	.000+00	.000+00
-1.4	4.600-26	2.769-11	1.918-24	1.851-13	3.534-28	.000+00	1.069-21	.000+00	.000+00
-1.2	5.796-26	2.203-11	1.216-24	1.852-13	2.232-28	.000+00	6.757-22	.000+00	.000+00
-1.0	7.299-26	1.752-11	7.705-25	1.852-13	1.410-28	.000+00	4.270-22	.000+00	.000+00
-.8	9.189-26	1.394-11	4.880-25	1.851-13	8.911-29	.000+00	2.700-22	.000+00	.000+00
-.6	1.156-25	1.110-11	3.091-25	1.849-13	5.634-29	.000+00	1.707-22	.000+00	.000+00
-.4	1.455-25	8.844-12	1.957-25	1.847-13	3.565-29	.000+00	1.081-22	.000+00	.000+00
-.2	1.830-25	7.051-12	1.239-25	1.845-13	2.257-29	.000+00	6.845-23	.000+00	.000+00
.0	2.302-25	5.627-12	7.851-26	1.842-13	1.431-29	.000+00	4.342-23	.000+00	.000+00
.2	2.896-25	4.498-12	4.975-26	1.840-13	9.092-30	.000+00	2.759-23	.000+00	.000+00
.4	3.648-25	3.603-12	3.154-26	1.838-13	5.790-30	.000+00	1.758-23	.000+00	.000+00
.6	4.604-25	2.896-12	2.000-26	1.839-13	3.700-30	.000+00	1.124-23	.000+00	.000+00
.8	5.830-25	2.337-12	1.269-26	1.844-13	2.377-30	.000+00	7.232-24	.000+00	.000+00
1.0	7.428-25	1.899-12	8.052-27	1.857-13	1.539-30	.000+00	4.692-24	.000+00	.000+00
1.2	9.563-25	1.579-12	5.106-27	1.884-13	1.008-30	.000+00	3.083-24	.000+00	.000+00
1.4	1.253-24	1.298-12	3.233-27	1.936-13	6.724-31	.000+00	2.066-24	.000+00	.000+00
1.6	1.688-24	1.106-12	2.040-27	2.032-13	4.607-31	.000+00	1.426-24	.000+00	.000+00
1.8	2.382-24	9.757-13	1.280-27	2.207-13	3.292-31	.000+00	1.032-24	.000+00	.000+00
2.0	3.616-24	9.085-13	7.942-28	2.534-13	2.512-31	.000+00	8.024-25	.000+00	.000+00
2.2	6.171-24	9.209-13	4.844-28	3.176-13	2.125-31	.000+00	6.997-25	.000+00	.000+00
2.4	1.264-23	1.067-12	2.878-28	4.571-13	2.118-31	.000+00	7.311-25	.000+00	.000+00

T= 2200

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	4.947-26	.000+00	.000+00	1.022-05	3.211-01	7.839-03	2.741-16	2.518-05
-6.8	.000+00	2.346-26	.000+00	.000+00	8.169-06	3.099-01	7.891-03	1.535-16	2.535-05
-6.6	.000+00	1.137-26	.000+00	.000+00	6.544-06	2.991-01	7.961-03	1.021-16	2.557-05
-6.4	.000+00	5.640-27	.000+00	.000+00	5.253-06	2.765-01	8.047-03	6.886-17	2.585-05
-6.2	.000+00	2.888-27	.000+00	.000+00	4.225-06	2.565-01	8.150-03	4.715-17	2.618-05
-6.0	.000+00	1.493-27	.000+00	.000+00	3.402-06	2.299-01	8.269-03	3.271-17	2.655-05
-5.8	.000+00	7.923-28	.000+00	.000+00	2.742-06	2.039-01	8.387-03	2.292-17	2.694-05
-5.6	.000+00	4.268-28	.000+00	.000+00	2.209-06	1.777-01	8.509-03	1.616-17	2.733-05
-5.4	.000+00	2.321-28	.000+00	.000+00	1.778-06	1.526-01	8.626-03	1.143-17	2.771-05
-5.2	.000+00	1.269-28	.000+00	.000+00	1.430-06	1.292-01	8.736-03	8.067-18	2.806-05
-5.0	.000+00	6.940-29	.000+00	.000+00	1.149-06	1.082-01	8.834-03	5.671-18	2.837-05
-4.8	.000+00	3.786-29	.000+00	.000+00	9.213-07	8.969-02	8.920-03	3.959-18	2.865-05
-4.6	.000+00	2.055-29	.000+00	.000+00	7.378-07	7.376-02	8.995-03	2.742-18	2.889-05
-4.4	.000+00	1.108-29	.000+00	.000+00	5.901-07	6.076-02	9.058-03	1.891-18	2.909-05
-4.2	.000+00	5.931-30	.000+00	.000+00	4.715-07	4.895-02	9.111-03	1.278-18	2.926-05
-4.0	.000+00	3.149-30	.000+00	.000+00	3.765-07	3.960-02	9.155-03	8.595-19	2.940-05
-3.8	.000+00	1.659-30	.000+00	.000+00	3.001-07	3.191-02	9.191-03	5.730-19	2.952-05
-3.6	.000+00	8.673-31	.000+00	.000+00	2.391-07	2.564-02	9.220-03	3.768-19	2.961-05
-3.4	.000+00	4.505-31	.000+00	.000+00	1.904-07	2.056-02	9.244-03	2.485-19	2.969-05
-3.2	.000+00	2.326-31	.000+00	.000+00	1.516-07	1.645-02	9.263-03	1.620-19	2.975-05
-3.0	.000+00	1.195-31	.000+00	.000+00	1.206-07	1.314-02	9.278-03	1.049-19	2.980-05
-2.8	.000+00	6.112-32	.000+00	.000+00	9.591-08	1.049-02	9.291-03	6.767-20	2.984-05
-2.6	.000+00	3.114-32	.000+00	.000+00	7.626-08	8.364-03	9.301-03	4.346-20	2.987-05
-2.4	.000+00	1.582-32	.000+00	.000+00	6.063-08	6.663-03	9.309-03	2.782-20	2.990-05
-2.2	.000+00	8.017-33	.000+00	.000+00	4.819-08	5.305-03	9.315-03	1.776-20	2.992-05
-2.0	.000+00	4.054-33	.000+00	.000+00	3.830-08	4.222-03	9.320-03	1.131-20	2.994-05
-1.8	.000+00	2.047-33	.000+00	.000+00	3.044-08	3.359-03	9.324-03	7.187-21	2.995-05
-1.6	.000+00	1.032-33	.000+00	.000+00	2.418-08	2.671-03	9.328-03	4.563-21	2.996-05
-1.4	.000+00	.000+00	.000+00	.000+00	1.922-08	2.124-03	9.330-03	2.893-21	2.997-05
-1.2	.000+00	.000+00	.000+00	.000+00	1.527-08	1.688-03	9.332-03	1.832-21	2.997-05
-1.0	.000+00	.000+00	.000+00	.000+00	1.213-08	1.342-03	9.334-03	1.159-21	2.998-05
-.8	.000+00	.000+00	.000+00	.000+00	9.635-09	1.066-03	9.335-03	7.332-22	2.998-05
-.6	.000+00	.000+00	.000+00	.000+00	7.653-09	8.471-04	9.336-03	4.634-22	2.999-05
-.4	.000+00	.000+00	.000+00	.000+00	6.079-09	6.730-04	9.337-03	2.928-22	2.999-05
-.2	.000+00	.000+00	.000+00	.000+00	4.828-09	5.346-04	9.338-03	1.849-22	2.999-05
.0	.000+00	.000+00	.000+00	.000+00	3.834-09	4.246-04	9.338-03	1.167-22	2.999-05
.2	.000+00	.000+00	.000+00	.000+00	3.044-09	3.372-04	9.339-03	7.359-23	3.000-05
.4	.000+00	.000+00	.000+00	.000+00	2.416-09	2.676-04	9.339-03	4.637-23	3.000-05
.6	.000+00	.000+00	.000+00	.000+00	1.917-09	2.124-04	9.340-03	2.918-23	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	1.519-09	1.684-04	9.340-03	1.833-23	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	1.203-09	1.334-04	9.340-03	1.148-23	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	9.506-10	1.054-04	9.341-03	7.157-24	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	7.489-10	8.315-05	9.341-03	4.429-24	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	5.872-10	6.528-05	9.342-03	2.710-24	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	4.569-10	5.091-05	9.342-03	1.628-24	3.001-05
2.0	.000+00	.000+00	.000+00	.000+00	3.513-10	3.927-05	9.344-03	9.503-25	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	2.650-10	2.978-05	9.346-03	5.303-25	3.002-05
2.4	.000+00	.000+00	.000+00	.000+00	1.940-10	2.197-05	9.351-03	2.761-25	3.003-05

T= 2200

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	7.824-09	1.19147+00	8.14479+00	9.33625+00	5.15842+01	-6.01764+00	1.19147+00
-6.8	6.873-09	1.18357+00	7.93582+00	9.11939+00	5.08282+01	-5.82053+00	1.18357+00
-6.6	6.002-09	1.17328+00	7.66269+00	8.83597+00	5.00123+01	-5.62432+00	1.17328+00
-6.4	5.206-09	1.16061+00	7.32573+00	8.48634+00	4.91379+01	-5.42904+00	1.16061+00
-6.2	4.478-09	1.14596+00	6.93521+00	8.08117+00	4.82162+01	-5.23456+00	1.14596+00
-6.0	3.820-09	1.13002+00	6.50996+00	7.63997+00	4.72669+01	-5.04064+00	1.13002+00
-5.8	3.229-09	1.11365+00	6.07288+00	7.18653+00	4.63132+01	-4.84697+00	1.11365+00
-5.6	2.706-09	1.09768+00	5.64581+00	6.74348+00	4.53770+01	-4.65325+00	1.09768+00
-5.4	2.250-09	1.08272+00	5.24584+00	6.32856+00	4.44750+01	-4.45921+00	1.08272+00
-5.2	1.857-09	1.06920+00	4.88397+00	5.95316+00	4.36177+01	-4.26467+00	1.06920+00
-5.0	1.523-09	1.05730+00	4.56547+00	5.62276+00	4.28096+01	-4.06953+00	1.05730+00
-4.8	1.242-09	1.04705+00	4.29118+00	5.33824+00	4.20509+01	-3.87376+00	1.04705+00
-4.6	1.008-09	1.03838+00	4.05900+00	5.09738+00	4.13386+01	-3.67737+00	1.03838+00
-4.4	8.144-10	1.03114+00	3.86507+00	4.89621+00	4.06682+01	-3.48041+00	1.03114+00
-4.2	6.561-10	1.02516+00	3.70480+00	4.72995+00	4.00345+01	-3.28293+00	1.02516+00
-4.0	5.271-10	1.02025+00	3.57344+00	4.59369+00	3.94322+01	-3.08502+00	1.02025+00
-3.8	4.226-10	1.01626+00	3.46648+00	4.48274+00	3.88563+01	-2.88672+00	1.01626+00
-3.6	3.381-10	1.01303+00	3.37984+00	4.39286+00	3.83024+01	-2.68810+00	1.01303+00
-3.4	2.701-10	1.01042+00	3.30993+00	4.32035+00	3.77666+01	-2.48922+00	1.01042+00
-3.2	2.156-10	1.00832+00	3.25371+00	4.26203+00	3.72456+01	-2.29013+00	1.00832+00
-3.0	1.719-10	1.00664+00	3.20862+00	4.21525+00	3.67366+01	-2.09085+00	1.00664+00
-2.8	1.369-10	1.00529+00	3.17252+00	4.17781+00	3.62372+01	-1.89143+00	1.00529+00
-2.6	1.090-10	1.00422+00	3.14386+00	4.14788+00	3.57457+01	-1.69190+00	1.00421+00
-2.4	8.673-11	1.00336+00	3.12063+00	4.12399+00	3.52604+01	-1.49227+00	1.00335+00
-2.2	6.898-11	1.00268+00	3.10227+00	4.10494+00	3.47801+01	-1.29256+00	1.00267+00
-2.0	5.484-11	1.00213+00	3.08764+00	4.08977+00	3.43039+01	-1.09280+00	1.00212+00
-1.8	4.358-11	1.00171+00	3.07599+00	4.07769+00	3.38308+01	-8.92980-01	1.00168+00
-1.6	3.463-11	1.00137+00	3.06672+00	4.06809+00	3.33603+01	-6.93130-01	1.00134+00
-1.4	2.750-11	1.00112+00	3.05934+00	4.06044+00	3.28919+01	-4.93240-01	1.00106+00
-1.2	2.194-11	1.00093+00	3.05348+00	4.05441+00	3.24250+01	-2.93320-01	1.00084+00
-1.0	1.734-11	1.00081+00	3.04882+00	4.04963+00	3.19594+01	-9.33700-02	1.00067+00
-.8	1.376-11	1.00075+00	3.04512+00	4.04587+00	3.14949+01	1.06600-01	1.00052+00
-.6	1.092-11	1.00077+00	3.04218+00	4.04295+00	3.10311+01	3.06610-01	1.00041+00
-.4	8.659-12	1.00089+00	3.03984+00	4.04074+00	3.05678+01	5.06660-01	1.00032+00
-.2	6.866-12	1.00116+00	3.03799+00	4.03914+00	3.01050+01	7.06780-01	1.00025+00
.0	5.443-12	1.00163+00	3.03652+00	4.03814+00	2.96424+01	9.06980-01	1.00019+00
.2	4.314-12	1.00242+00	3.03536+00	4.03776+00	2.91798+01	1.10732+00	1.00014+00
.4	3.420-12	1.00371+00	3.03441+00	4.03811+00	2.87169+01	1.30788+00	1.00009+00
.6	2.712-12	1.00578+00	3.03365+00	4.03943+00	2.82535+01	1.50878+00	1.00005+00
.8	2.153-12	1.00909+00	3.03301+00	4.04211+00	2.77890+01	1.71021+00	1.00002+00
1.0	1.714-12	1.01437+00	3.03246+00	4.04682+00	2.73226+01	1.91247+00	9.99980-01
1.2	1.370-12	1.02274+00	3.03193+00	4.05467+00	2.68532+01	2.11604+00	9.99940-01
1.4	1.105-12	1.03602+00	3.03136+00	4.06738+00	2.63788+01	2.32164+00	9.99900-01
1.6	9.030-13	1.05707+00	3.03066+00	4.08774+00	2.58965+01	2.53038+00	9.99840-01
1.8	7.550-13	1.09043+00	3.02974+00	4.12017+00	2.54017+01	2.74387+00	9.99750-01
2.0	6.552-13	1.14323+00	3.02845+00	4.17168+00	2.48870+01	2.96461+00	9.99620-01
2.2	6.033-13	1.22667+00	3.02671+00	4.25338+00	2.43410+01	3.19500+00	9.99380-01
2.4	6.100-13	1.35793+00	3.02474+00	4.38272+00	2.37462+01	3.43917+00	9.98850-01

T= 2500

LOG P	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.481-01	4.741-03	2.323-03	2.727-04	1.670-06	4.229-10	8.080-11	8.367-19	6.847-14
-6.8	6.489-01	7.285-03	2.884-03	2.724-04	2.601-06	8.180-10	1.262-10	5.948-19	7.513-14
-6.6	6.519-01	1.104-02	3.555-03	2.722-04	4.017-06	1.560-09	1.959-10	4.704-19	8.158-14
-6.4	6.552-01	1.639-02	4.344-03	2.717-04	6.134-06	2.915-09	3.017-10	3.120-19	8.732-14
-6.2	6.598-01	2.372-02	5.244-03	2.707-04	9.221-06	5.310-09	4.577-10	2.280-19	9.171-14
-6.0	6.658-01	3.327-02	6.238-03	2.691-04	1.360-05	9.370-09	6.851-10	1.684-19	9.412-14
-5.8	6.732-01	4.459-02	7.295-03	2.664-04	1.960-05	1.595-08	1.058-09	1.258-19	9.406-14
-5.6	6.811A-01	5.856-02	8.375-03	2.624-04	2.753-05	2.613-08	1.657-09	9.508-20	9.137-14
-5.4	6.911-01	7.337-02	9.439-03	2.564-04	3.764-05	4.119-08	2.064-09	7.264-20	8.627-14
-5.2	7.008-01	8.868-02	1.045-02	2.481-04	5.009-05	6.266-08	2.879-09	5.602-20	7.929-14
-5.0	7.104-01	1.038-01	1.138-02	2.378-04	6.486-05	9.229-08	3.946-09	4.353-20	7.113-14
-4.8	7.194-01	1.181-01	1.222-02	2.249-04	8.182-05	1.322-07	5.332-09	3.402-20	6.246-14
-4.6	7.279-01	1.312-01	1.295-02	2.097-04	1.006-04	1.848-07	7.114-09	2.671-20	5.385-14
-4.4	7.353-01	1.428-01	1.358-02	1.927-04	1.209-04	2.533-07	9.392-09	2.104-20	4.572-14
-4.2	7.418-01	1.530-01	1.412-02	1.745-04	1.426-04	3.415-07	1.229-08	1.661-20	3.833-14
-4.0	7.473-01	1.617-01	1.457-02	1.557-04	1.653-04	4.543-07	1.595-08	1.314-20	3.190-14
-3.8	7.520-01	1.690-01	1.494-02	1.368-04	1.881-04	5.977-07	2.061-08	1.040-20	2.645-14
-3.6	7.559-01	1.751-01	1.525-02	1.186-04	2.040-04	7.796-07	2.647-08	8.245-21	2.197-14
-3.4	7.591-01	1.801-01	1.550-02	1.018-04	2.225-04	1.010-06	3.387-08	6.534-21	1.736-14
-3.2	7.617-01	1.842-01	1.570-02	8.593-05	2.393-04	1.300-06	4.320-08	5.188-21	1.404-14
-3.0	7.639-01	1.876-01	1.587-02	7.197-05	2.542-04	1.666-06	5.495-08	4.117-21	1.131-14
-2.8	7.656-01	1.903-01	1.600-02	5.973-05	2.672-04	2.128-06	6.975-08	3.269-21	9.088-15
-2.6	7.670-01	1.925-01	1.610-02	4.919-05	2.784-04	2.709-06	8.839-08	2.595-21	7.266-15
-2.4	7.681-01	1.942-01	1.619-02	4.024-05	2.878-04	3.442-06	1.119-07	2.061-21	5.831-15
-2.2	7.690-01	1.956-01	1.626-02	3.274-05	2.957-04	4.365-06	1.414-07	1.637-21	4.660-15
-2.0	7.697-01	1.968-01	1.631-02	2.652-05	3.022-04	5.526-06	1.786-07	1.301-21	3.720-15
-1.8	7.703-01	1.977-01	1.636-02	2.140-05	3.076-04	6.989-06	2.255-07	1.034-21	2.947-15
-1.6	7.708-01	1.984-01	1.639-02	1.722-05	3.120-04	8.831-06	2.845-07	8.215-22	2.345-15
-1.4	7.711-01	1.990-01	1.642-02	1.381-05	3.156-04	1.115-05	3.587-07	6.530-22	1.865-15
-1.2	7.714-01	1.994-01	1.644-02	1.106-05	3.184-04	1.407-05	4.522-07	5.192-22	1.501-15
-1.0	7.717-01	1.998-01	1.646-02	8.844-06	3.208-04	1.775-05	5.699-07	4.129-22	1.196-15
-.8	7.719-01	2.001-01	1.647-02	7.062-06	3.226-04	2.238-05	7.180-07	3.285-22	9.524-16
-.6	7.720-01	2.003-01	1.648-02	5.632-06	3.241-04	2.822-05	9.045-07	2.616-22	7.587-16
-.4	7.721-01	2.005-01	1.649-02	4.488-06	3.253-04	3.558-05	1.139-06	2.082-22	6.046-16
-.2	7.722-01	2.006-01	1.650-02	3.573-06	3.263-04	4.487-05	1.435-06	1.659-22	4.820-16
.0	7.723-01	2.007-01	1.650-02	2.843-06	3.270-04	5.660-05	1.807-06	1.323-22	3.845-16
.2	7.723-01	2.008-01	1.650-02	2.261-06	3.276-04	7.146-05	2.276-06	1.056-22	3.070-16
.4	7.724-01	2.008-01	1.651-02	1.796-06	3.281-04	9.033-05	2.865-06	8.439-23	2.453-16
.6	7.724-01	2.009-01	1.651-02	1.426-06	3.285-04	1.144-04	3.608-06	6.753-23	1.963-16
.8	7.725-01	2.009-01	1.651-02	1.131-06	3.288-04	1.455-04	4.543-06	5.413-23	1.573-16
1.0	7.725-01	2.009-01	1.650-02	8.954-07	3.291-04	1.860-04	5.721-06	4.348-23	1.262-16
1.2	7.725-01	2.009-01	1.650-02	7.071-07	3.293-04	2.400-04	7.204-06	3.501-23	1.015-16
1.4	7.725-01	2.008-01	1.649-02	5.562-07	3.295-04	3.140-04	9.074-06	2.827-23	8.180-17
1.6	7.725-01	2.008-01	1.647-02	4.349-07	3.296-04	4.202-04	1.143-05	2.290-23	6.605-17
1.8	7.725-01	2.007-01	1.644-02	3.368-07	3.297-04	5.827-04	1.441-05	1.864-23	5.346-17
2.0	7.725-01	2.004-01	1.640-02	2.569-07	3.299-04	8.55C-04	1.817-05	1.525-23	4.337-17
2.2	7.725-01	2.000-01	1.632-02	1.915-07	3.300-04	1.371-03	2.293-05	1.257-23	3.527-17
2.4	7.724-01	1.991-01	1.620-02	1.376-07	3.303-04	2.525-03	2.896-05	1.049-23	2.875-17

T= 2300

LOG P	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.156-30	1.976-08	8.634-19	4.260-14	7.909-21	.000+00	1.896-15	.000+00	9.136-21
-6.8	1.540-29	1.751-08	6.141-19	5.883-14	4.447-21	.000+00	1.335-15	.000+00	6.541-21
-6.6	3.256-29	1.548-08	4.411-19	8.041-14	2.570-21	.000+00	9.374-16	.000+00	4.708-21
-6.4	6.709-29	1.363-08	3.173-19	1.083-13	1.479-21	.000+00	6.558-16	.000+00	3.412-21
-6.2	1.338-28	1.194-08	2.294-19	1.432-13	8.590-22	.000+00	4.565-16	.000+00	2.495-21
-6.0	2.564-28	1.039-08	1.669-19	1.849-13	5.041-22	.000+00	3.158-16	.000+00	1.864-21
-5.8	4.693-28	8.98C-09	1.221-19	2.325-13	2.992-22	.000+00	2.168-16	.000+00	1.379-21
-5.6	8.185-28	7.696-09	8.972-20	2.943-13	1.797-22	.000+00	1.476-16	.000+00	1.043-21
-5.4	1.361-27	6.535-09	6.609-20	3.379-13	1.091-22	.000+00	9.964-17	.000+00	7.971-22
-5.2	2.163-27	5.502-09	4.867-20	3.907-13	6.685-23	.000+00	6.665-17	.000+00	6.151-22
-5.0	3.302-27	4.593-09	3.572-20	4.411-13	4.127-23	.000+00	4.421-17	.000+00	4.782-22
-4.8	4.868-27	3.805-09	2.607-20	4.875-13	2.563-23	.000+00	2.910-17	.000+00	3.740-22
-4.6	6.967-27	3.131-09	1.887-20	5.290-13	1.599-23	.000+00	1.902-17	.000+00	2.937-22
-4.4	9.730-27	2.560-09	1.352-20	5.653-13	1.000-23	.000+00	1.236-17	.000+00	2.314-22
-4.2	1.332-26	2.083-09	9.583-21	5.965-13	6.275-24	.000+00	7.988-18	.000+00	1.828-22
-4.0	1.793-26	1.687-09	6.710-21	6.229-13	3.943-24	.000+00	5.140-18	.000+00	1.446-22
-3.8	2.381-26	1.362-09	4.642-21	6.449-13	2.480-24	.000+00	3.295-18	.000+00	1.145-22
-3.6	3.129-26	1.096-09	3.173-21	6.631-13	1.561-24	.000+00	2.106-18	.000+00	9.077-23
-3.4	4.076-26	8.794-10	2.165-21	6.779-13	9.836-25	.000+00	1.343-18	.000+00	7.199-23
-3.2	5.273-26	7.044-10	1.435-21	6.900-13	6.199-25	.000+00	8.546-19	.000+00	5.712-23
-3.0	6.783-26	5.633-10	9.512-22	6.998-13	3.908-25	.000+00	5.429-19	.000+00	4.534-23
-2.8	8.688-26	4.499-10	6.253-22	7.077-13	2.465-25	.000+00	3.444-19	.000+00	3.600-23
-2.6	1.109-25	3.590-10	4.082-22	7.139-13	1.555-25	.000+00	2.183-19	.000+00	2.859-23
-2.4	1.411-25	2.862-10	2.648-22	7.189-13	9.808-26	.000+00	1.382-19	.000+00	2.270-23
-2.2	1.791-25	2.280-10	1.710-22	7.228-13	6.189-26	.000+00	8.749-20	.000+00	1.803-23
-2.0	2.270-25	1.816-10	1.059-22	7.258-13	3.906-26	.000+00	5.535-20	.000+00	1.433-23
-1.8	2.872-25	1.446-10	7.042-23	7.281-13	2.465-26	.000+00	3.500-20	.000+00	1.139-23
-1.6	3.629-25	1.151-10	4.499-23	7.297-13	1.556-26	.000+00	2.213-20	.000+00	9.048-24
-1.4	4.581-25	9.159-11	2.868-23	7.308-13	9.827-27	.000+00	1.399-20	.000+00	7.193-24
-1.2	5.778-25	7.289-11	1.826-23	7.314-13	6.207-27	.000+00	8.846-21	.000+00	5.719-24
-1.0	7.281-25	5.802-11	1.160-23	7.317-13	3.922-27	.000+00	5.593-21	.000+00	4.548-24
-.8	9.171-25	4.620-11	7.369-24	7.315-13	2.479-27	.000+00	3.538-21	.000+00	3.618-24
-.6	1.154-24	3.680-11	4.677-24	7.310-13	1.568-27	.000+00	2.239-21	.000+00	2.880-24
-.4	1.452-24	2.933-11	2.947-24	7.301-13	9.924-28	.000+00	1.418-21	.000+00	2.293-24
-.2	1.827-24	2.340-11	1.883-24	7.289-13	6.287-28	.000+00	8.985-22	.000+00	1.827-24
.0	2.297-24	1.869-11	1.194-24	7.275-13	3.989-28	.000+00	5.702-22	.000+00	1.457-24
.2	2.898-24	1.495-11	7.581-25	7.260-13	2.535-28	.000+00	3.626-22	.000+00	1.163-24
.4	3.635-24	1.199-11	4.814-25	7.247-13	1.616-28	.000+00	2.312-22	.000+00	9.289-25
.6	4.581-24	9.642-12	3.059-25	7.240-13	1.034-28	.000+00	1.490-22	.000+00	7.430-25
.8	5.791-24	7.793-12	1.945-25	7.247-13	6.647-29	.000+00	9.530-23	.000+00	5.952-25
1.0	7.362-24	6.341-12	1.238-25	7.282-13	4.308-29	.000+00	6.187-23	.000+00	4.775-25
1.2	9.450-24	5.212-12	7.875-26	7.367-13	2.825-29	.000+00	4.068-23	.000+00	3.838-25
1.4	1.233-23	4.347-12	5.008-26	7.540-13	1.885-29	.000+00	2.726-23	.000+00	3.090-25
1.6	1.653-23	3.709-12	3.179-26	7.872-13	1.292-29	.000+00	1.881-23	.000+00	2.492-25
1.8	2.315-23	3.274-12	2.009-26	8.489-13	9.221-30	.000+00	1.357-23	.000+00	2.013-25
2.0	3.481-23	3.048-12	1.261-26	9.649-13	7.014-30	.000+00	1.050-23	.000+00	1.629-25
2.2	5.857-23	3.084-12	7.868-27	1.197-12	5.896-30	.000+00	9.064-24	.000+00	1.319-25
2.4	1.175-22	3.555-12	4.743-27	1.681-12	5.801-30	.000+00	9.299-24	.000+00	1.070-25

T= 2300

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	3.340-24	.000+00	.000+00	3.104-05	3.368-01	7.766-03	2.849-15	2.494-05
-6.8	.000+00	1.929-24	.000+00	.000+00	2.472-05	3.321-01	7.788-03	1.827-15	2.501-05
-6.6	.000+00	7.000-25	.000+00	.000+00	1.971-05	3.254-01	7.819-03	1.100-15	2.512-05
-6.4	.000+00	3.328-25	.000+00	.000+00	1.574-05	3.158-01	7.864-03	7.697-16	2.526-05
-6.2	.000+00	1.595-25	.000+00	.000+00	1.259-05	3.030-01	7.924-03	5.083-16	2.545-05
-6.0	.000+00	7.822-26	.000+00	.000+00	1.010-05	2.864-01	8.001-03	3.406-16	2.570-05
-5.8	.000+00	3.932-26	.000+00	.000+00	8.114-06	2.661-01	8.096-03	2.317-16	2.600-05
-5.6	.000+00	2.025-26	.000+00	.000+00	6.529-06	2.428-01	8.205-03	1.599-16	2.635-05
-5.4	.000+00	1.066-26	.000+00	.000+00	5.260-06	2.174-01	8.324-03	1.117-16	2.674-05
-5.2	.000+00	5.714-27	.000+00	.000+00	4.238-06	1.912-01	8.446-03	7.873-17	2.713-05
-5.0	.000+00	3.102-27	.000+00	.000+00	3.413-06	1.655-01	8.566-03	5.575-17	2.751-05
-4.8	.000+00	1.697-27	.000+00	.000+00	2.747-06	1.412-01	8.680-03	3.952-17	2.788-05
-4.6	.000+00	9.311-28	.000+00	.000+00	2.207-06	1.189-01	8.784-03	2.794-17	2.821-05
-4.4	.000+00	5.106-28	.000+00	.000+00	1.772-06	9.906-02	8.876-03	1.965-17	2.851-05
-4.2	.000+00	2.790-28	.000+00	.000+00	1.420-06	8.180-02	8.957-03	1.372-17	2.877-05
-4.0	.000+00	1.515-28	.000+00	.000+00	1.136-06	6.705-02	9.026-03	9.491-18	2.899-05
-3.8	.000+00	8.149-29	.000+00	.000+00	9.084-07	5.463-02	9.084-03	6.503-18	2.918-05
-3.6	.000+00	4.370-29	.000+00	.000+00	7.253-07	4.429-02	9.133-03	4.412-18	2.933-05
-3.4	.000+00	2.318-29	.000+00	.000+00	5.786-07	3.576-02	9.173-03	2.984-18	2.946-05
-3.2	.000+00	1.220-29	.000+00	.000+00	4.612-07	2.878-02	9.205-03	1.973-18	2.957-05
-3.0	.000+00	6.377-30	.000+00	.000+00	3.674-07	2.310-02	9.232-03	1.302-18	2.965-05
-2.8	.000+00	3.310-30	.000+00	.000+00	2.925-07	1.850-02	9.253-03	8.538-19	2.972-05
-2.6	.000+00	1.708-30	.000+00	.000+00	2.328-07	1.479-02	9.271-03	5.559-19	2.978-05
-2.4	.000+00	8.770-31	.000+00	.000+00	1.852-07	1.181-02	9.285-03	3.599-19	2.982-05
-2.2	.000+00	4.483-31	.000+00	.000+00	1.473-07	9.424-03	9.296-03	2.319-19	2.986-05
-2.0	.000+00	2.294-31	.000+00	.000+00	1.171-07	7.511-03	9.305-03	1.488-19	2.989-05
-1.8	.000+00	1.160-31	.000+00	.000+00	9.308-08	5.982-03	9.312-03	9.522-20	2.991-05
-1.6	.000+00	5.879-32	.000+00	.000+00	7.398-08	4.761-03	9.318-03	6.075-20	2.993-05
-1.4	.000+00	2.974-32	.000+00	.000+00	5.879-08	3.789-03	9.322-03	3.868-20	2.994-05
-1.2	.000+00	1.502-32	.000+00	.000+00	4.672-08	3.013-03	9.326-03	2.458-20	2.995-05
-1.0	.000+00	7.577-33	.000+00	.000+00	3.712-08	2.396-03	9.329-03	1.560-20	2.996-05
-.8	.000+00	3.820-33	.000+00	.000+00	2.949-08	1.905-03	9.331-03	9.885-21	2.997-05
-.6	.000+00	1.925-33	.000+00	.000+00	2.343-08	1.514-03	9.333-03	6.253-21	2.998-05
-.4	.000+00	.000+00	.000+00	.000+00	1.861-08	1.203-03	9.335-03	3.959-21	2.998-05
-.2	.000+00	.000+00	.000+00	.000+00	1.478-08	9.558-04	9.336-03	2.503-21	2.999-05
.0	.000+00	.000+00	.000+00	.000+00	1.174-08	7.592-04	9.337-03	1.581-21	2.999-05
.2	.000+00	.000+00	.000+00	.000+00	9.320-09	6.030-04	9.338-03	9.979-22	2.999-05
.4	.000+00	.000+00	.000+00	.000+00	7.398-09	4.787-04	9.338-03	6.292-22	2.999-05
.6	.000+00	.000+00	.000+00	.000+00	5.869-09	3.798-04	9.339-03	3.962-22	3.000-05
.8	.000+00	.000+00	.000+00	.000+00	4.652-09	3.012-04	9.339-03	2.489-22	3.000-05
1.0	.000+00	.000+00	.000+00	.000+00	3.684-09	2.386-04	9.340-03	1.560-22	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	2.911-09	1.886-04	9.340-03	9.727-23	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	2.294-09	1.488-04	9.341-03	6.022-23	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	1.798-09	1.168-04	9.341-03	3.686-23	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	1.400-09	9.109-05	9.342-03	2.216-23	3.001-05
2.0	.000+00	.000+00	.000+00	.000+00	1.076-09	7.027-05	9.344-03	1.295-23	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	8.120-10	5.329-05	9.346-03	7.235-24	3.002-05
2.4	.000+00	.000+00	.000+00	.000+00	5.947-10	3.931-05	9.352-03	3.775-24	3.004-05

T= 2300

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	1.976-08	1.20271+00	8.21829+00	9.42100+00	5.20228+01	-5.99626+00	1.20271+00
-6.8	1.751-08	1.19933+00	8.13442+00	9.33376+00	5.13858+01	-5.79548+00	1.19933+00
-6.6	1.548-08	1.19449+00	8.01327+00	9.20776+00	5.07134+01	-5.59724+00	1.19449+00
-6.4	1.363-08	1.18774+00	7.84372+00	9.03146+00	4.99953+01	-5.39970+00	1.18774+00
-6.2	1.196-08	1.17873+00	7.61637+00	8.79510+00	4.92229+01	-5.20300+00	1.17873+00
-6.0	1.039-08	1.16731+00	7.32725+00	8.49455+00	4.83935+01	-5.00723+00	1.16731+00
-5.8	8.980-09	1.15366+00	6.98099+00	8.13464+00	4.75128+01	-4.81234+00	1.15366+00
-5.6	7.694-09	1.13833+00	6.59147+00	7.7298C+00	4.65955+01	-4.61815+00	1.13833+00
-5.4	6.535-09	1.12212+00	6.17897+00	7.30109+00	4.56625+01	-4.42438+00	1.12212+00
-5.2	5.502-09	1.10589+00	5.76528+00	6.87116+00	4.47358+01	-4.23071+00	1.10589+00
-5.0	4.593-09	1.09036+00	5.36933+00	6.45969+00	4.38342+01	-4.03685+00	1.09036+00
-4.8	3.805-09	1.07607+00	5.00471+00	6.08077+00	4.29708+01	-3.84258+00	1.07607+00
-4.6	3.130-09	1.06332+00	4.67923+00	5.74255+00	4.21528+01	-3.64776+00	1.06332+00
-4.4	2.560-09	1.05222+00	4.39579+00	5.44801+00	4.13823+01	-3.45231+00	1.05222+00
-4.2	2.082-09	1.04274+00	4.15373+00	5.19647+00	4.06579+01	-3.25624+00	1.04274+00
-4.0	1.687-09	1.03477+00	3.95016+00	4.98493+00	3.99760+01	-3.05957+00	1.03477+00
-3.8	1.361-09	1.02816+00	3.78100+00	4.80916+00	3.93319+01	-2.86236+00	1.02815+00
-3.6	1.095-09	1.02271+00	3.64176+00	4.66447+00	3.87205+01	-2.66467+00	1.02271+00
-3.4	8.787-10	1.01826+00	3.52800+00	4.54626+00	3.81368+01	-2.46656+00	1.01826+00
-3.2	7.037-10	1.01464+00	3.43560+00	4.45025+00	3.75764+01	-2.25810+00	1.01464+00
-3.0	5.627-10	1.01172+00	3.36090+00	4.37262+00	3.70351+01	-2.06936+00	1.01172+00
-2.8	4.492-10	1.00937+00	3.30072+00	4.31009+00	3.65095+01	-1.87037+00	1.00937+00
-2.6	3.583-10	1.00748+00	3.25238+00	4.25986+00	3.59968+01	-1.67118+00	1.00748+00
-2.4	2.855-10	1.00597+00	3.21364+00	4.21961+00	3.54945+01	-1.47183+00	1.00596+00
-2.2	2.273-10	1.00476+00	3.18266+00	4.18741+00	3.50005+01	-1.27236+00	1.00475+00
-2.0	1.809-10	1.00379+00	3.15791+00	4.16170+00	3.45133+01	-1.07277+00	1.00378+00
-1.8	1.439-10	1.00303+00	3.13816+00	4.14119+00	3.40315+01	-8.73100-01	1.00301+00
-1.6	1.144-10	1.00243+00	3.12242+00	4.12485+00	3.35540+01	-6.73370-01	1.00239+00
-1.4	9.086-11	1.00196+00	3.10989+00	4.11184+00	3.30799+01	-4.73570-01	1.00190+00
-1.2	7.216-11	1.00160+00	3.09991+00	4.10151+00	3.26086+01	-2.73720-01	1.00151+00
-1.0	5.729-11	1.00134+00	3.09197+00	4.09331+00	3.21395+01	-7.38400-02	1.00119+00
-.8	4.547-11	1.00117+00	3.08566+00	4.08684+00	3.16721+01	1.26090-01	1.00095+00
-.6	3.607-11	1.00111+00	3.08065+00	4.08175+00	3.12060+01	3.26060-01	1.00075+00
-.4	2.860-11	1.00116+00	3.07666+00	4.07782+00	3.07410+01	5.26080-01	1.00059+00
-.2	2.267-11	1.00137+00	3.07350+00	4.07487+00	3.02768+01	7.26170-01	1.00046+00
.0	1.796-11	1.00179+00	3.07099+00	4.07278+00	2.98130+01	9.26360-01	1.00035+00
.2	1.422-11	1.00255+00	3.06900+00	4.07155+00	2.93495+01	1.12669+00	1.00027+00
.4	1.126-11	1.00381+00	3.06741+00	4.07123+00	2.88860+01	1.32723+00	1.00019+00
.6	8.919-12	1.00587+00	3.06615+00	4.07202+00	2.84220+01	1.52812+00	1.00013+00
.8	7.069-12	1.00917+00	3.06514+00	4.07430+00	2.79571+01	1.72954+00	1.00008+00
1.0	5.613-12	1.01463+00	3.06431+00	4.07873+00	2.74904+01	1.93180+00	1.00002+00
1.2	4.475-12	1.02280+00	3.06360+00	4.08639+00	2.70207+01	2.13537+00	9.99970-01
1.4	3.593-12	1.03608+00	3.06295+00	4.09903+00	2.65463+01	2.34097+00	9.99910-01
1.6	2.922-12	1.05714+00	3.06231+00	4.11945+00	2.60640+01	2.54972+00	9.99840-01
1.8	2.425-12	1.09052+00	3.06159+00	4.15211+00	2.55694+01	2.76321+00	9.99750-01
2.0	2.084-12	1.14335+00	3.06074+00	4.20409+00	2.50551+01	2.98376+00	9.99600-01
2.2	1.892-12	1.22681+00	3.05978+00	4.28659+00	2.45098+01	3.21436+00	9.99330-01
2.4	1.874-12	1.35806+00	3.05915+00	4.41721+00	2.39162+01	3.45850+00	9.98740-01

T= 2400

LOG f	N2	O2	NO	CO	CO2	HO2	N2D	N2+	O2+
-7.0	6.462-01	1.692-03	1.680-03	2.729-04	5.578-07	1.783-10	5.663-11	1.017-17	1.450-13
-6.8	6.468-01	2.633-03	2.103-03	2.729-04	8.781-07	3.256-10	9.237-11	7.231-18	1.612-13
-6.6	6.476-01	4.094-03	2.624-03	2.729-04	1.377-06	6.377-10	1.451-10	5.152-18	1.795-13
-6.4	6.489-01	6.315-03	3.262-03	2.728-04	2.150-06	1.238-09	2.279-10	3.663-18	1.963-13
-6.2	6.509-01	9.612-03	4.031-03	2.726-04	3.331-06	2.370-09	3.531-10	2.645-18	2.119-13
-6.0	6.538-01	1.437-02	4.939-03	2.723-04	5.107-06	4.460-09	5.445-10	1.911-18	2.301-13
-5.8	6.579-01	2.097-02	5.986-03	2.716-04	7.721-06	8.191-09	8.304-10	1.393-18	2.432-13
-5.6	6.633-01	2.971-02	7.154-03	2.704-04	1.147-05	1.460-08	1.249-09	1.025-18	2.514-13
-5.4	6.702-01	4.065-02	8.412-03	2.681-04	1.647-05	2.515-08	1.849-09	7.627-19	2.516-13
-5.2	6.783-01	5.356-02	9.713-03	2.651-04	2.364-05	4.169-08	2.685-09	5.743-19	2.444-13
-5.0	6.873-01	6.792-02	1.101-02	2.602-04	3.265-05	6.652-08	3.930-09	4.373-19	2.347-13
-4.8	6.969-01	8.301-02	1.226-02	2.532-04	4.391-05	1.023-07	5.365-09	3.362-19	2.174-13
-4.6	7.064-01	9.811-02	1.342-02	2.439-04	5.748-05	1.522-07	7.391-09	2.604-19	1.943-13
-4.4	7.156-01	1.126-01	1.446-02	2.322-04	7.330-05	2.198-07	1.003-08	2.033-19	1.752-13
-4.2	7.241-01	1.260-01	1.539-02	2.181-04	9.114-05	3.085-07	1.343-08	1.596-19	1.517-13
-4.0	7.317-01	1.380-01	1.619-02	2.020-04	1.106-04	4.264-07	1.779-08	1.254-19	1.296-13
-3.8	7.384-01	1.486-01	1.688-02	1.844-04	1.313-04	5.783-07	2.334-08	9.897-20	1.093-13
-3.6	7.442-01	1.577-01	1.745-02	1.658-04	1.524-04	7.725-07	3.038-08	7.823-20	9.078-14
-3.4	7.491-01	1.653-01	1.793-02	1.469-04	1.735-04	1.020-06	3.928-08	6.143-20	7.447-14
-3.2	7.532-01	1.718-01	1.833-02	1.283-04	1.939-04	1.333-06	5.054-08	4.907-20	6.129-14
-3.0	7.565-01	1.771-01	1.865-02	1.106-04	2.131-04	1.731-06	6.474-08	3.841-20	4.988-14
-2.8	7.593-01	1.814-01	1.891-02	9.433-05	2.308-04	2.232-06	8.265-08	3.067-20	4.039-14
-2.6	7.616-01	1.850-01	1.913-02	7.926-05	2.466-04	2.865-06	1.052-07	2.450-20	3.259-14
-2.4	7.634-01	1.878-01	1.930-02	6.610-05	2.606-04	3.663-06	1.336-07	1.945-20	2.621-14
-2.2	7.649-01	1.902-01	1.944-02	5.466-05	2.727-04	4.668-06	1.694-07	1.545-20	2.103-14
-2.0	7.661-01	1.920-01	1.955-02	4.487-05	2.830-04	5.934-06	2.145-07	1.227-20	1.685-14
-1.8	7.671-01	1.935-01	1.963-02	3.662-05	2.917-04	7.529-06	2.713-07	9.764-21	1.347-14
-1.6	7.678-01	1.947-01	1.971-02	2.973-05	2.989-04	9.537-06	3.427-07	7.747-21	1.076-14
-1.4	7.684-01	1.957-01	1.976-02	2.404-05	3.049-04	1.207-05	4.327-07	6.158-21	8.590-15
-1.2	7.689-01	1.965-01	1.981-02	1.937-05	3.098-04	1.525-05	5.460-07	4.897-21	6.853-15
-1.0	7.693-01	1.971-01	1.984-02	1.556-05	3.138-04	1.926-05	6.884-07	3.895-21	5.465-15
-.8	7.696-01	1.976-01	1.987-02	1.247-05	3.170-04	2.432-05	8.681-07	3.100-21	4.358-15
-.6	7.699-01	1.979-01	1.989-02	9.981-06	3.196-04	3.068-05	1.094-06	2.468-21	3.475-15
-.4	7.701-01	1.982-01	1.991-02	7.974-06	3.217-04	3.871-05	1.379-06	1.966-21	2.772-15
-.2	7.702-01	1.985-01	1.992-02	6.362-06	3.234-04	4.884-05	1.737-06	1.567-21	2.212-15
.0	7.704-01	1.987-01	1.993-02	5.071-06	3.247-04	6.164-05	2.188-06	1.251-21	1.766-15
.2	7.705-01	1.988-01	1.994-02	4.037-06	3.258-04	7.784-05	2.755-06	9.993-22	1.412-15
.4	7.705-01	1.989-01	1.995-02	3.212-06	3.267-04	9.863-05	3.470-06	7.995-22	1.130-15
.6	7.706-01	1.990-01	1.995-02	2.552-06	3.273-04	1.247-04	4.370-06	6.407-22	9.055-16
.8	7.706-01	1.990-01	1.995-02	2.025-06	3.279-04	1.586-04	5.503-06	5.146-22	7.270-16
1.0	7.707-01	1.991-01	1.995-02	1.604-06	3.284-04	2.028-04	6.929-06	4.143-22	5.849-16
1.2	7.707-01	1.991-01	1.994-02	1.267-06	3.287-04	2.616-04	8.726-06	3.346-22	4.718-16
1.4	7.707-01	1.990-01	1.993-02	9.975-07	3.290-04	3.424-04	1.099-05	2.712-22	3.817-16
1.6	7.707-01	1.990-01	1.991-02	7.803-07	3.293-04	4.582-04	1.384-05	2.209-22	3.098-16
1.8	7.708-01	1.989-01	1.987-02	6.046-07	3.295-04	6.355-04	1.744-05	1.810-22	2.525-16
2.0	7.708-01	1.986-01	1.982-02	4.616-07	3.297-04	9.325-04	2.198-05	1.495-22	2.058-16
2.2	7.708-01	1.982-01	1.973-02	3.443-07	3.299-04	1.495-03	2.772-05	1.249-22	1.704-16
2.4	7.707-01	1.972-01	1.957-02	2.479-07	3.302-04	2.753-03	3.494-05	1.062-22	1.415-16

T= 2400

LOG f	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.636-29	4.575-08	7.546-18	6.942-14	2.148-19	.000+00	1.546-14	.000+00	1.155-19
-6.8	3.604-29	4.068-08	5.360-18	9.719-14	1.214-19	.000+00	1.092-14	.000+00	8.215-20
-6.6	7.880-29	3.613-08	3.813-18	1.354-13	6.870-20	.000+00	7.706-15	.000+00	5.856-20
-6.4	1.703-28	3.204-08	2.720-18	1.875-13	3.902-20	.000+00	5.429-15	.000+00	4.148-20
-6.2	3.621-28	2.834-08	1.946-18	2.571-13	2.220-20	.000+00	3.816-15	.000+00	3.009-20
-6.0	7.524-28	2.498-08	1.398-18	3.479-13	1.278-20	.000+00	2.673-15	.000+00	2.176-20
-5.8	1.517-27	2.192-08	1.010-18	4.628-13	7.401-21	.000+00	1.864-15	.000+00	1.587-20
-5.6	2.944-27	1.912-08	7.337-19	6.022-13	4.328-21	.000+00	1.292-15	.000+00	1.169-20
-5.4	5.468-27	1.656-08	5.364-19	7.638-13	2.560-21	.000+00	8.893-16	.000+00	8.705-21
-5.2	9.684-27	1.423-08	3.942-19	9.421-13	1.532-21	.000+00	6.072-16	.000+00	6.561-21
-5.0	1.634-26	1.212-08	2.907-19	1.129-12	9.268-22	.000+00	4.109-16	.000+00	4.999-21
-4.8	2.633-26	1.023-08	2.146-19	1.317-12	5.663-22	.000+00	2.757-16	.000+00	3.847-21
-4.6	4.070-26	8.564-09	1.581-19	1.498-12	3.488-22	.000+00	1.833-16	.000+00	2.944-21
-4.4	6.065-26	7.112-09	1.159-19	1.667-12	2.162-22	.000+00	1.210-16	.000+00	2.330-21
-4.2	8.759-26	5.864-09	8.435-20	1.818-12	1.347-22	.000+00	7.925-17	.000+00	1.827-21
-4.0	1.232-25	4.804-09	6.084-20	1.952-12	8.421-23	.000+00	5.158-17	.000+00	1.439-21
-3.8	1.697-25	3.915-09	4.341-20	2.068-12	5.278-23	.000+00	3.339-17	.000+00	1.135-21
-3.6	2.296-25	3.175-09	3.061-20	2.166-12	3.315-23	.000+00	2.152-17	.000+00	8.977-22
-3.4	3.061-25	2.565-09	2.133-20	2.248-12	2.084-23	.000+00	1.381-17	.000+00	7.108-22
-3.2	4.036-25	2.066-09	1.468-20	2.316-12	1.312-23	.000+00	8.837-18	.000+00	5.633-22
-3.0	5.271-25	1.660-09	9.986-21	2.372-12	8.244-24	.000+00	5.639-18	.000+00	4.467-22
-2.8	6.832-25	1.330-09	6.721-21	2.417-12	5.208-24	.000+00	3.591-18	.000+00	3.544-22
-2.6	8.803-25	1.065-09	4.478-21	2.454-12	3.284-24	.000+00	2.282-18	.000+00	2.813-22
-2.4	1.129-24	8.507-10	2.958-21	2.483-12	2.071-24	.000+00	1.449-18	.000+00	2.234-22
-2.2	1.442-24	6.791-10	1.939-21	2.506-12	1.306-24	.000+00	9.187-19	.000+00	1.774-22
-2.0	1.836-24	5.417-10	1.262-21	2.525-12	8.243-25	.000+00	5.821-19	.000+00	1.409-22
-1.8	2.331-24	4.318-10	8.174-22	2.539-12	5.203-25	.000+00	3.686-19	.000+00	1.120-22
-1.6	2.955-24	3.440-10	5.269-22	2.549-12	3.294-25	.000+00	2.333-19	.000+00	8.900-23
-1.4	3.739-24	2.741-10	3.384-22	2.557-12	2.074-25	.000+00	1.476-19	.000+00	7.075-23
-1.2	4.724-24	2.183-10	2.167-22	2.562-12	1.310-25	.000+00	9.341-20	.000+00	5.626-23
-1.0	5.962-24	1.739-10	1.386-22	2.565-12	8.279-26	.000+00	5.911-20	.000+00	4.475-23
-.8	7.516-24	1.385-10	8.825-23	2.566-12	5.235-26	.000+00	3.741-20	.000+00	3.561-23
-.6	9.466-24	1.104-10	5.620-23	2.564-12	3.312-26	.000+00	2.369-20	.000+00	2.835-23
-.4	1.191-23	8.807-11	3.576-23	2.562-12	2.097-26	.000+00	1.501-20	.000+00	2.259-23
-.2	1.498-23	7.031-11	2.274-23	2.557-12	1.329-26	.000+00	9.519-21	.000+00	1.801-23
.0	1.884-23	5.619-11	1.446-23	2.551-12	8.438-27	.000+00	6.046-21	.000+00	1.437-23
.2	2.368-23	4.499-11	9.200-24	2.544-12	5.367-27	.000+00	3.848-21	.000+00	1.148-23
.4	2.977-23	3.611-11	5.855-24	2.537-12	3.423-27	.000+00	2.456-21	.000+00	9.179-24
.6	3.747-23	2.909-11	3.729-24	2.532-12	2.192-27	.000+00	1.574-21	.000+00	7.353-24
.8	4.729-23	2.354-11	2.377-24	2.530-12	1.411-27	.000+00	1.014-21	.000+00	5.901-24
1.0	5.999-23	1.918-11	1.517-24	2.536-12	9.157-28	.000+00	6.592-22	.000+00	4.746-24
1.2	7.679-23	1.579-11	9.695-25	2.558-12	6.011-28	.000+00	4.338-22	.000+00	3.826-24
1.4	9.982-23	1.319-11	6.187-25	2.608-12	4.015-28	.000+00	2.908-22	.000+00	3.092-24
1.6	1.331-22	1.127-11	3.949-25	2.709-12	2.752-28	.000+00	2.006-22	.000+00	2.507-24
1.8	1.852-22	9.960-12	2.515-25	2.902-12	1.964-28	.000+00	1.444-22	.000+00	2.040-24
2.0	2.759-22	9.275-12	1.594-25	3.268-12	1.490-28	.000+00	1.113-22	.000+00	1.666-24
2.2	4.582-22	9.369-12	1.001-25	3.986-12	1.246-28	.000+00	9.519-23	.000+00	1.367-24
2.4	9.022-22	1.075-11	6.209-26	5.515-12	1.212-28	.000+00	9.608-23	.000+00	1.131-24

T= 2400

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	1.662-22	.000+00	.000+00	8.636-05	3.424-01	7.739-03	2.897-14	2.486-05
-6.8	.000+00	7.502-23	.000+00	.000+00	6.867-05	3.404-01	7.749-03	1.840-14	2.489-05
-6.6	.000+00	3.402-23	.000+00	.000+00	5.483-05	3.378-01	7.762-03	1.173-14	2.493-05
-6.4	.000+00	1.554-23	.000+00	.000+00	4.369-05	3.336-01	7.782-03	7.510-15	2.499-05
-6.2	.000+00	7.171-24	.000+00	.000+00	3.466-05	3.273-01	7.810-03	4.841-15	2.509-05
-6.0	.000+00	3.356-24	.000+00	.000+00	2.767-05	3.187-01	7.850-03	3.149-15	2.522-05
-5.8	.000+00	1.599-24	.000+00	.000+00	2.212-05	3.069-01	7.905-03	2.073-15	2.539-05
-5.6	.000+00	7.791-25	.000+00	.000+00	1.772-05	2.915-01	7.977-03	1.383-15	2.562-05
-5.4	.000+00	3.890-25	.000+00	.000+00	1.423-05	2.724-01	8.067-03	9.375-16	2.591-05
-5.2	.000+00	1.991-25	.000+00	.000+00	1.145-05	2.499-01	8.172-03	6.450-16	2.625-05
-5.0	.000+00	1.043-25	.000+00	.000+00	9.217-06	2.251-01	8.287-03	4.497-16	2.662-05
-4.8	.000+00	5.572-26	.000+00	.000+00	7.425-06	1.991-01	8.409-03	3.168-16	2.701-05
-4.6	.000+00	3.020-26	.000+00	.000+00	5.981-06	1.732-01	8.530-03	2.246-16	2.740-05
-4.4	.000+00	1.653-26	.000+00	.000+00	4.814-06	1.484-01	8.646-03	1.596-16	2.777-05
-4.2	.000+00	9.092-27	.000+00	.000+00	3.870-06	1.255-01	8.753-03	1.133-16	2.811-05
-4.0	.000+00	5.003-27	.000+00	.000+00	3.107-06	1.049-01	8.849-03	8.006-17	2.842-05
-3.8	.000+00	2.746-27	.000+00	.000+00	2.491-06	8.684-02	8.934-03	5.620-17	2.869-05
-3.6	.000+00	1.499-27	.000+00	.000+00	1.993-06	7.134-02	9.006-03	3.912-17	2.893-05
-3.4	.000+00	8.130-28	.000+00	.000+00	1.595-06	5.823-02	9.067-03	2.698-17	2.912-05
-3.2	.000+00	4.373-28	.000+00	.000+00	1.276-06	4.728-02	9.119-03	1.841-17	2.929-05
-3.0	.000+00	2.333-28	.000+00	.000+00	1.017-06	3.822-02	9.161-03	1.245-17	2.943-05
-2.8	.000+00	1.234-28	.000+00	.000+00	8.106-07	3.079-02	9.196-03	8.330-18	2.954-05
-2.6	.000+00	6.481-29	.000+00	.000+00	6.456-07	2.473-02	9.224-03	5.527-18	2.963-05
-2.4	.000+00	3.375-29	.000+00	.000+00	5.142-07	1.982-02	9.247-03	3.637-18	2.970-05
-2.2	.000+00	1.750-29	.000+00	.000+00	4.093-07	1.586-02	9.266-03	2.377-18	2.976-05
-2.0	.000+00	9.013-30	.000+00	.000+00	3.255-07	1.267-02	9.281-03	1.544-18	2.981-05
-1.8	.000+00	4.621-30	.000+00	.000+00	2.590-07	1.011-02	9.293-03	9.974-19	2.985-05
-1.6	.000+00	2.360-30	.000+00	.000+00	2.059-07	8.058-03	9.302-03	6.416-19	2.988-05
-1.4	.000+00	1.201-30	.000+00	.000+00	1.637-07	6.419-03	9.310-03	4.112-19	2.990-05
-1.2	.000+00	6.100-31	.000+00	.000+00	1.301-07	5.111-03	9.316-03	2.627-19	2.992-05
-1.0	.000+00	3.091-31	.000+00	.000+00	1.034-07	4.067-03	9.321-03	1.675-19	2.994-05
-.8	.000+00	1.564-31	.000+00	.000+00	8.216-08	3.235-03	9.325-03	1.065-19	2.995-05
-.6	.000+00	7.904-32	.000+00	.000+00	6.528-08	2.572-03	9.328-03	6.764-20	2.996-05
-.4	.000+00	3.992-32	.000+00	.000+00	5.186-08	2.045-03	9.331-03	4.289-20	2.997-05
-.2	.000+00	2.015-32	.000+00	.000+00	4.120-08	1.625-03	9.333-03	2.716-20	2.998-05
.0	.000+00	1.017-32	.000+00	.000+00	3.272-08	1.291-03	9.334-03	1.718-20	2.998-05
.2	.000+00	5.133-33	.000+00	.000+00	2.598-08	1.026-03	9.336-03	1.086-20	2.999-05
.4	.000+00	2.591-33	.000+00	.000+00	2.062-08	8.143-04	9.337-03	6.853-21	2.999-05
.6	.000+00	1.308-33	.000+00	.000+00	1.636-08	6.443-04	9.338-03	4.319-21	2.999-05
.8	.000+00	.000+00	.000+00	.000+00	1.297-08	5.125-04	9.338-03	2.716-21	2.999-05
1.0	.000+00	.000+00	.000+00	.000+00	1.027-08	4.060-04	9.339-03	1.702-21	3.000-05
1.2	.000+00	.000+00	.000+00	.000+00	8.116-09	3.210-04	9.340-03	1.062-21	3.000-05
1.4	.000+00	.000+00	.000+00	.000+00	6.395-09	2.532-04	9.340-03	6.580-22	3.000-05
1.6	.000+00	.000+00	.000+00	.000+00	5.015-09	1.988-04	9.341-03	4.029-22	3.000-05
1.8	.000+00	.000+00	.000+00	.000+00	3.903-09	1.550-04	9.342-03	2.424-22	3.001-05
2.0	.000+00	.000+00	.000+00	.000+00	3.002-09	1.196-04	9.344-03	1.417-22	3.001-05
2.2	.000+00	.000+00	.000+00	.000+00	2.265-09	9.072-05	9.347-03	7.933-23	3.002-05
2.4	.000+00	.000+00	.000+00	.000+00	1.660-09	6.693-05	9.353-03	4.149-23	3.004-05

T= 2400

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	4.575-08	1.20680+00	8.11110+00	9.31789+00	5.22636+01	-5.97430+00	1.20690+00
-6.8	4.068-08	1.20539+00	8.07841+00	9.28380+00	5.16755+01	-5.77481+00	1.20539+00
-6.6	3.613-08	1.20331+00	8.02993+00	9.23314+00	5.10723+01	-5.57556+00	1.20331+00
-6.4	3.204-08	1.20028+00	7.95818+00	9.15846+00	5.04471+01	-5.37665+00	1.20029+00
-6.2	2.834-08	1.19590+00	7.85428+00	9.05018+00	4.97914+01	-5.17824+00	1.19590+00
-6.0	2.498-08	1.18977+00	7.70768+00	8.89745+00	4.90954+01	-4.98047+00	1.18977+00
-5.8	2.192-08	1.18148+00	7.50864+00	8.69012+00	4.83503+01	-4.78351+00	1.18148+00
-5.6	1.912-08	1.17081+00	7.25141+00	8.42222+00	4.75514+01	-4.58745+00	1.17081+00
-5.4	1.656-08	1.15784+00	6.93759+00	8.09542+00	4.67013+01	-4.39229+00	1.15784+00
-5.2	1.423-08	1.14297+00	6.57770+00	7.72069+00	4.58115+01	-4.19789+00	1.14299+00
-5.0	1.212-08	1.12701+00	6.18948+00	7.31649+00	4.49006+01	-4.00401+00	1.12701+00
-4.8	1.023-08	1.11074+00	5.79366+00	6.90446+00	4.39896+01	-3.81032+00	1.11074+00
-4.6	8.563-09	1.09496+00	5.40944+00	6.50446+00	4.30975+01	-3.61654+00	1.09496+00
-4.4	7.110-09	1.08028+00	5.05149+00	6.13177+00	4.22387+01	-3.42240+00	1.08028+00
-4.2	5.862-09	1.06705+00	4.72896+00	5.79601+00	4.14218+01	-3.22775+00	1.06705+00
-4.0	4.802-09	1.05545+00	4.44599+00	5.50144+00	4.06502+01	-3.03250+00	1.05545+00
-3.8	3.913-09	1.04549+00	4.20290+00	5.24846+00	3.99234+01	-2.83661+00	1.04549+00
-3.6	3.173-09	1.03708+00	3.99752+00	5.03460+00	3.92386+01	-2.64012+00	1.03708+00
-3.4	2.563-09	1.03007+00	3.82623+00	4.85629+00	3.85914+01	-2.44307+00	1.03007+00
-3.2	2.064-09	1.02428+00	3.68682+00	4.70910+00	3.79770+01	-2.24552+00	1.02428+00
-3.0	1.657-09	1.01954+00	3.56903+00	4.58857+00	3.73906+01	-2.04753+00	1.01954+00
-2.8	1.328-09	1.01568+00	3.47481+00	4.49050+00	3.68278+01	-1.84918+00	1.01568+00
-2.6	1.062-09	1.01256+00	3.39853+00	4.41109+00	3.62845+01	-1.65051+00	1.01256+00
-2.4	8.483-10	1.01005+00	3.33701+00	4.34705+00	3.57573+01	-1.45159+00	1.01004+00
-2.2	6.766-10	1.00803+00	3.28755+00	4.29557+00	3.52432+01	-1.25246+00	1.00802+00
-2.0	5.392-10	1.00641+00	3.24788+00	4.25429+00	3.47397+01	-1.05316+00	1.00639+00
-1.8	4.293-10	1.00512+00	3.21614+00	4.22125+00	3.42448+01	-8.53720-01	1.00509+00
-1.6	3.415-10	1.00409+00	3.19077+00	4.19486+00	3.37568+01	-6.54160-01	1.00406+00
-1.4	2.715-10	1.00328+00	3.17052+00	4.17381+00	3.32743+01	-4.54510-01	1.00323+00
-1.2	2.157-10	1.00265+00	3.15438+00	4.15704+00	3.27963+01	-2.54780-01	1.00256+00
-1.0	1.713-10	1.00211+00	3.14153+00	4.14371+00	3.23218+01	-5.49900-02	1.00204+00
-.8	1.360-10	1.00184+00	3.13129+00	4.13314+00	3.18502+01	1.44860-01	1.00161+00
-.6	1.079-10	1.00164+00	3.12315+00	4.12479+00	3.13807+01	3.44780-01	1.00128+00
-.4	8.551-11	1.00158+00	3.11668+00	4.11826+00	3.09130+01	5.44750-01	1.00101+00
-.2	6.775-11	1.00170+00	3.11154+00	4.11324+00	3.04466+01	7.44800-01	1.00079+00
.0	5.364-11	1.00206+00	3.10745+00	4.10951+00	2.99811+01	9.44960-01	1.00062+00
.2	4.245-11	1.00276+00	3.10421+00	4.10698+00	2.95163+01	1.14526+00	1.00047+00
.4	3.358-11	1.00398+00	3.10164+00	4.10563+00	2.90517+01	1.34579+00	1.00036+00
.6	2.656-11	1.00600+00	3.09961+00	4.10561+00	2.85868+01	1.54666+00	1.00026+00
.8	2.101-11	1.00927+00	3.09799+00	4.10727+00	2.81213+01	1.74807+00	1.00018+00
1.0	1.665-11	1.01451+00	3.09671+00	4.11122+00	2.76541+01	1.95032+00	1.00010+00
1.2	1.323-11	1.02287+00	3.09568+00	4.11855+00	2.71841+01	2.15388+00	1.00003+00
1.4	1.058-11	1.03614+00	3.09484+00	4.13098+00	2.67094+01	2.35948+00	9.99950-01
1.6	8.561-12	1.05720+00	3.09413+00	4.15134+00	2.62270+01	2.56822+00	9.99860-01
1.8	7.059-12	1.09058+00	3.09352+00	4.18410+00	2.57324+01	2.78172+00	9.99750-01
2.0	6.008-12	1.14341+00	3.09300+00	4.23641+00	2.52184+01	3.00227+00	9.99580-01
2.2	5.383-12	1.22686+00	3.09268+00	4.31954+00	2.46738+01	3.23286+00	9.99280-01
2.4	5.234-12	1.35799+00	3.09319+00	4.45119+00	2.40814+01	3.47696+00	9.98640-01

T= 250C

LOG E	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.454-01	6.364-04	1.234-03	2.729-C4	2.015-07	6.842-11	4.333-11	1.021-16	2.853-13
-6.8	6.457-01	1.003-03	1.552-03	2.729-C4	3.185-07	1.357-10	6.849-11	7.245-17	3.198-13
-6.6	6.460-01	1.577-03	1.947-03	2.729-C4	5.025-07	2.686-10	1.081-10	5.144-17	3.556-13
-6.4	6.465-01	2.469-03	2.437-03	2.730-C4	7.913-07	5.293-10	1.703-10	3.657-17	3.956-13
-6.2	6.473-01	3.843-03	3.043-03	2.730-C4	1.242-06	1.037-09	2.677-10	2.605-17	4.381-13
-6.0	6.485-01	5.931-03	3.783-03	2.730-C4	1.939-06	2.014-09	4.189-10	1.852-17	4.822-13
-5.8	6.504-01	9.039-03	4.677-03	2.729-C4	3.008-06	3.864-09	6.518-10	1.336-17	5.269-13
-5.6	6.531-01	1.354-02	5.737-03	2.726-C4	4.619-06	7.284-09	1.006-09	9.647-18	5.665-13
-5.4	6.570-01	1.982-02	6.961-03	2.721-C4	6.599-06	1.342-08	1.536-09	7.021-18	6.000-13
-5.2	6.621-01	2.819-02	8.334-03	2.712-C4	1.042-05	2.401-08	2.316-09	5.160-18	6.222-13
-5.0	6.687-01	3.874-02	9.818-03	2.695-C4	1.521-05	4.131-08	3.430-09	3.834-18	6.292-13
-4.8	6.765-01	5.128-02	1.136-02	2.667-C4	2.166-C5	6.915-08	4.995-09	2.883-18	6.189-13
-4.6	6.853-01	6.533-02	1.291-02	2.623-C4	3.006-C5	1.109-07	7.140-09	2.191-18	5.918-13
-4.4	6.947-01	8.021-02	1.440-02	2.560-C4	4.063-05	1.713-07	1.002-08	1.683-18	5.504-13
-4.2	7.041-01	9.520-02	1.579-02	2.474-C4	5.348-C5	2.558-07	1.383-08	1.303-18	4.990-13
-4.0	7.132-01	1.096-01	1.706-02	2.364-C4	6.858-C5	3.708-07	1.880-08	1.016-18	4.423-13
-3.8	7.217-01	1.231-01	1.818-02	2.231-C4	8.576-C5	5.238-07	2.522-08	7.958-19	3.864-13
-3.6	7.294-01	1.352-01	1.916-02	2.076-C4	1.047-04	7.241-07	3.344-08	6.259-19	3.298-13
-3.4	7.361-01	1.458-01	1.999-02	1.904-C4	1.250-04	9.831-07	4.392-08	4.936-19	2.770-13
-3.2	7.419-01	1.550-01	2.069-02	1.720-C4	1.459-04	1.315-06	5.703-08	3.991-19	2.305-13
-3.0	7.469-01	1.628-01	2.127-02	1.531-C4	1.670-04	1.739-06	7.406-08	3.298-19	1.907-13
-2.8	7.510-01	1.693-01	2.175-02	1.343-C4	1.876-04	2.277-06	9.534-08	2.746-19	1.562-13
-2.6	7.544-01	1.747-01	2.215-02	1.163-C4	2.072-04	2.957-06	1.222-07	1.940-19	1.273-13
-2.4	7.572-01	1.792-01	2.247-02	9.941-C5	2.254-04	3.817-06	1.560-07	1.539-19	1.031-13
-2.2	7.595-01	1.828-01	2.273-02	8.401-C5	2.418-04	4.902-06	1.987-07	1.222-19	8.327-14
-2.0	7.614-01	1.857-01	2.294-02	7.028-C5	2.564-04	6.270-06	2.525-07	9.701-20	6.702-14
-1.8	7.629-01	1.881-01	2.311-02	5.827-C5	2.690-04	7.994-06	3.202-07	7.706-20	5.381-14
-1.6	7.641-01	1.900-01	2.324-02	4.796-C5	2.799-04	1.017-05	4.054-07	6.123-20	4.312-14
-1.4	7.651-01	1.915-01	2.335-02	3.921-C5	2.891-04	1.290-05	5.127-07	4.868-20	3.451-14
-1.2	7.659-01	1.927-01	2.344-02	3.189-C5	2.967-04	1.635-05	6.479-07	3.871-20	2.759-14
-1.0	7.665-01	1.937-01	2.351-02	2.581-C5	3.031-04	2.069-05	8.160-07	3.079-20	2.204-14
-.8	7.670-01	1.945-01	2.356-02	2.082-C5	3.083-04	2.615-05	1.032-06	2.451-20	1.760-14
-.6	7.674-01	1.951-01	2.360-02	1.674-C5	3.126-04	3.304-05	1.302-06	1.952-20	1.406-14
-.4	7.677-01	1.956-01	2.364-02	1.343-C5	3.160-04	4.173-05	1.641-06	1.556-20	1.123-14
-.2	7.680-01	1.960-01	2.367-02	1.075-C5	3.188-04	5.269-05	2.069-06	1.241-20	8.970-15
.0	7.682-01	1.963-01	2.369-02	8.592-C6	3.211-04	6.653-05	2.607-06	9.911-21	7.172-15
.2	7.683-01	1.965-01	2.370-02	6.855-C6	3.229-04	8.407-05	3.284-06	7.925-21	5.740-15
.4	7.684-01	1.967-01	2.371-02	5.462-C6	3.243-04	1.063-04	4.137-06	6.348-21	4.600-15
.6	7.685-01	1.968-01	2.372-02	4.346-C6	3.255-04	1.348-04	5.210-06	5.095-21	3.693-15
.8	7.686-01	1.969-01	2.373-02	3.452-C6	3.264-04	1.714-04	6.561-06	4.099-21	2.971-15
1.0	7.687-01	1.970-01	2.372-02	2.738-C6	3.272-04	2.193-04	8.263-06	3.308-21	2.396-15
1.2	7.687-01	1.970-01	2.372-02	2.165-C6	3.278-04	2.829-04	1.041-05	2.679-21	1.939-15
1.4	7.688-01	1.970-01	2.370-02	1.705-C6	3.283-04	3.703-04	1.310-05	2.180-21	1.575-15
1.6	7.688-01	1.970-01	2.369-02	1.334-06	3.287-04	4.956-04	1.650-05	1.784-21	1.285-15
1.8	7.688-01	1.969-01	2.364-02	1.035-06	3.290-04	6.874-04	2.079-05	1.471-21	1.054-15
2.0	7.689-01	1.966-01	2.357-02	7.905-07	3.293-04	1.009-03	2.619-05	1.226-21	8.702-16
2.2	7.689-01	1.962-01	2.346-02	5.903-07	3.297-04	1.617-03	3.299-05	1.037-21	7.263-16
2.4	7.688-01	1.951-01	2.326-02	4.257-07	3.301-04	2.977-03	4.153-05	8.968-22	6.134-16

T= 250C

LOG E	C2-	NC+	CC+	O-	N+	N++	O+	O++	A+
-7.0	3.414-29	9.885-08	5.571-17	1.072-13	4.516-18	.000+00	1.062-13	.000+00	1.202-18
-6.8	7.588-29	8.801-08	3.352-17	1.507-13	2.544-18	.000+00	7.514-14	.000+00	8.527-19
-6.6	1.681-28	7.832-08	2.804-17	2.117-13	1.435-18	.000+00	5.312-14	.000+00	6.055-19
-6.4	3.705-28	6.964-08	1.992-17	2.963-13	8.106-19	.000+00	3.753-14	.000+00	4.306-19
-6.2	8.106-28	6.186-08	1.417-17	4.131-13	4.558-19	.000+00	2.649-14	.000+00	3.069-19
-6.0	1.754-27	5.496-08	1.011-17	5.722-13	2.605-19	.000+00	1.866-14	.000+00	2.194-19
-5.8	3.736-27	4.854-08	7.232-18	7.855-13	1.485-19	.000+00	1.312-14	.000+00	1.576-19
-5.6	7.762-27	4.281-08	5.195-18	1.065-12	8.523-20	.000+00	9.195-15	.000+00	1.139-19
-5.4	1.575-26	3.758-08	3.752-18	1.419-12	4.929-20	.000+00	6.415-15	.000+00	8.296-20
-5.2	3.071-26	3.281-08	2.726-18	1.851-12	2.879-20	.000+00	4.451-15	.000+00	6.103-20
-5.0	5.735-26	2.844-08	1.994-18	2.356-12	1.700-20	.000+00	3.066-15	.000+00	4.540-20
-4.8	1.022-25	2.446-08	1.466-18	2.916-12	1.016-20	.000+00	2.096-15	.000+00	3.416-20
-4.6	1.734-25	2.095-08	1.082-18	3.508-12	6.138-21	.000+00	1.420-15	.000+00	2.600-20
-4.4	2.811-25	1.762-08	8.001-19	4.105-12	3.746-21	.000+00	9.536-16	.000+00	1.998-20
-4.2	4.367-25	1.477-08	5.908-19	4.684-12	2.305-21	.000+00	6.350-16	.000+00	1.549-20
-4.0	6.536-25	1.227-08	4.345-19	5.224-12	1.428-21	.000+00	4.194-16	.000+00	1.208-20
-3.8	9.475-25	1.013-08	3.174-19	5.713-12	8.888-22	.000+00	2.750-16	.000+00	9.471-21
-3.6	1.337-24	8.305-09	2.298-19	6.145-12	5.554-22	.000+00	1.792-16	.000+00	7.453-21
-3.4	1.846-24	6.772-09	1.647-19	6.519-12	3.490-22	.000+00	1.161-16	.000+00	5.881-21
-3.2	2.503-24	5.496-09	1.167-19	6.837-12	2.185-22	.000+00	7.483-17	.000+00	4.649-21
-3.0	3.343-24	4.443-09	8.166-20	7.104-12	1.374-22	.000+00	4.806-17	.000+00	3.681-21
-2.8	4.413-24	3.580-09	5.646-20	7.325-12	8.647-23	.000+00	3.076-17	.000+00	2.917-21
-2.6	5.769-24	2.877-09	3.858-20	7.506-12	5.447-23	.000+00	1.964-17	.000+00	2.313-21
-2.4	7.484-24	2.307-09	2.607-20	7.652-12	3.433-23	.000+00	1.251-17	.000+00	1.836-21
-2.2	9.648-24	1.847-09	1.743-20	7.770-12	2.165-23	.000+00	7.956-18	.000+00	1.457-21
-2.0	1.238-23	1.476-09	1.155-20	7.864-12	1.366-23	.000+00	5.053-18	.000+00	1.157-21
-1.8	1.581-23	1.179-09	7.594-21	7.938-12	8.617-24	.000+00	3.206-18	.000+00	9.194-22
-1.6	2.013-23	9.410-10	4.958-21	7.995-12	5.440-24	.000+00	2.032-18	.000+00	7.306-22
-1.4	2.556-23	7.506-10	3.218-21	8.037-12	3.435-24	.000+00	1.289-18	.000+00	5.808-22
-1.2	3.239-23	5.985-10	2.079-21	8.067-12	2.170-24	.000+00	8.156-19	.000+00	4.619-22
-1.0	4.096-23	4.772-10	1.338-21	8.086-12	1.371-24	.000+00	5.166-19	.000+00	3.675-22
-.8	5.172-23	3.806-10	8.585-22	8.096-12	8.673-25	.000+00	3.272-19	.000+00	2.925-22
-.6	6.521-23	3.036-10	5.496-22	8.099-12	5.489-25	.000+00	2.074-19	.000+00	2.329-22
-.4	8.213-23	2.423-10	3.512-22	8.091-12	3.477-25	.000+00	1.315-19	.000+00	1.857-22
-.2	1.033-22	1.936-10	2.242-22	8.077-12	2.205-25	.000+00	8.347-20	.000+00	1.481-22
.0	1.299-22	1.549-10	1.430-22	8.056-12	1.401-25	.000+00	5.306-20	.000+00	1.182-22
.2	1.632-22	1.241-10	9.125-23	8.030-12	8.915-26	.000+00	3.380-20	.000+00	9.454-23
.4	2.051-22	9.974-11	5.823-23	8.001-12	5.691-26	.000+00	2.159-20	.000+00	7.571-23
.6	2.579-22	8.043-11	3.719-23	7.974-12	3.648-26	.000+00	1.385-20	.000+00	6.073-23
.8	3.250-22	6.518-11	2.377-23	7.955-12	2.351-26	.000+00	8.937-21	.000+00	4.883-23
1.0	4.114-22	5.320-11	1.522-23	7.954-12	1.528-26	.000+00	5.815-21	.000+00	3.936-23
1.2	5.251-22	4.306-11	9.755-24	8.005-12	1.004-26	.000+00	3.831-21	.000+00	3.182-23
1.4	6.802-22	3.671-11	6.258-24	8.133-12	6.713-27	.000+00	2.570-21	.000+00	2.582-23
1.6	9.029-22	3.141-11	4.017-24	8.407-12	4.605-27	.000+00	1.772-21	.000+00	2.104-23
1.8	1.248-21	2.779-11	2.577-24	8.947-12	3.285-27	.000+00	1.276-21	.000+00	1.723-23
2.0	1.843-21	2.589-11	1.649-24	9.987-12	2.488-27	.000+00	9.773-22	.000+00	1.420-23
2.2	3.024-21	2.611-11	1.050-24	1.204-11	2.069-27	.000+00	9.302-22	.000+00	1.190-23
2.4	5.852-21	2.982-11	6.631-25	1.637-11	1.994-27	.000+00	8.257-22	.000+00	9.928-24

RR

T= 25CC

LOG C	A++	C+	C++	NE+	N	C	A	C	NE
-7.0	.000+CO	6.144-21	.CCC+00	.000+CO	2.218-04	3.444-01	7.729-03	2.470-13	2.483-05
-6.8	.000+CO	2.758-21	.000+00	.000+CO	1.763-04	3.436-01	7.733-03	1.563-13	2.484-05
-6.6	.000+00	1.240-21	.CCC+00	.000+CO	1.401-04	3.423-01	7.739-03	9.908-14	2.486-05
-6.4	.COC+00	5.598-22	.CCC+00	.000+CO	1.114-04	3.404-01	7.748-03	6.296-14	2.489-05
-6.2	.000+00	2.538-22	.CCC+00	.000+00	8.853-05	3.377-01	7.761-03	4.017-14	2.493-05
-6.0	.000+00	1.159-22	.000+00	.000+CO	7.055-05	3.336-01	7.780-03	2.567-14	2.499-05
-5.8	.000+CO	5.343-23	.CCC+00	.000+CO	5.622-05	3.277-01	7.808-03	1.654-14	2.508-05
-5.6	.000+CO	2.497-23	.000+00	.000+CO	4.486-05	3.196-01	7.847-03	1.075-14	2.520-05
-5.4	.000+CO	1.188-23	.CCC+00	.000+CO	3.586-05	3.080-01	7.900-03	7.071-15	2.538-05
-5.2	.000+CO	5.776-24	.CCC+00	.000+CO	2.873-05	2.930-01	7.970-03	4.716-15	2.560-05
-5.0	.000+CO	2.877-24	.CCC+00	.000+CO	2.305-05	2.744-01	8.057-03	3.192-15	2.588-05
-4.8	.000+00	1.470-24	.CCC+00	.000+00	1.854-05	2.523-01	8.160-03	2.194-15	2.621-05
-4.6	.000+00	7.690-25	.000+00	.000+CO	1.492-05	2.278-01	8.275-03	1.530-15	2.658-05
-4.4	.000+00	4.106-25	.CCC+00	.000+CO	1.202-05	2.020-01	8.395-03	1.078-15	2.697-05
-4.2	.000+CO	2.226-25	.CCC+00	.000+CO	9.683-06	1.760-01	8.517-03	7.651-16	2.736-05
-4.0	.000+00	1.220-25	.CCC+00	.000+CO	7.794-06	1.511-01	8.633-03	5.449-16	2.773-05
-3.8	.000+CO	6.724-26	.000+00	.000+CO	6.266-06	1.280-01	8.741-03	3.878-16	2.808-05
-3.6	.000+CC	3.711-26	.000+00	.000+CO	5.032-06	1.071-01	8.839-03	2.750-16	2.839-05
-3.4	.000+CO	2.044-26	.CCC+00	.CCC+CO	4.035-06	8.800-02	8.924-03	1.938-16	2.867-05
-3.2	.000+00	1.120-26	.000+00	.CCC+CO	3.231-06	7.302-02	8.998-03	1.355-16	2.890-05
-3.0	.000+CO	6.097-27	.CCC+00	.CCC+CO	2.584-06	5.965-02	9.061-03	9.380-17	2.910-05
-2.8	.000+CO	3.293-27	.CCC+00	.CCC+CO	2.064-06	4.846-02	9.113-03	6.429-17	2.927-05
-2.6	.000+CO	1.763-27	.CCC+00	.CCC+CO	1.647-06	3.919-02	9.156-03	4.362-17	2.941-05
-2.4	.000+CO	9.365-28	.CCC+00	.CCC+00	1.313-06	3.159-02	9.192-03	2.931-17	2.952-05
-2.2	.000+CO	4.933-28	.CCC+00	.CCC+CO	1.046-06	2.538-02	9.221-03	1.951-17	2.962-05
-2.0	.000+CC	2.579-28	.CCC+00	.CCC+CO	8.333-07	2.035-02	9.245-03	1.288-17	2.969-05
-1.8	.000+CO	1.340-28	.CCC+00	.CCC+CO	6.633-07	1.626-02	9.264-03	8.436-18	2.976-05
-1.6	.000+00	6.919-29	.000+00	.CCC+CO	5.277-07	1.301-02	9.279-03	5.491-18	2.980-05
-1.4	.000+00	3.556-29	.000+00	.CCC+CO	4.197-07	1.038-02	9.291-03	3.555-18	2.984-05
-1.2	.000+00	1.820-29	.CCC+00	.CCC+CO	3.337-07	8.278-03	9.301-03	2.290-18	2.988-05
-1.0	.000+CO	9.282-30	.CCC+00	.CCC+CO	2.653-07	6.594-03	9.309-03	1.469-18	2.990-05
-.8	.000+00	4.722-30	.CCC+00	.CCC+CO	2.109-07	5.250-03	9.316-03	9.337-19	2.992-05
-.6	.CCC+CO	2.398-30	.CCC+00	.CCC+CO	1.676-07	4.178-03	9.321-03	5.995-19	2.994-05
-.4	.CCC+CC	1.216-30	.CCC+00	.CCC+CO	1.331-07	3.323-03	9.325-03	3.815-19	2.995-05
-.2	.CCC+CO	6.157-31	.CCC+00	.CCC+CO	1.058-07	2.642-03	9.328-03	2.426-19	2.996-05
.0	.000+CO	3.117-31	.CCC+00	.CCC+CO	8.401-08	2.100-03	9.330-03	1.537-19	2.997-05
.2	.CCC+CO	1.577-31	.CCC+00	.CCC+CO	6.672-08	1.669-03	9.333-03	9.730-20	2.998-05
.4	.CCC+CO	7.982-32	.CCC+00	.CCC+CO	5.296-08	1.325-03	9.334-03	6.150-20	2.998-05
.6	.CCC+CO	4.040-32	.CCC+00	.CCC+CO	4.202-08	1.052-03	9.336-03	3.880-20	2.999-05
.8	.CCC+CO	2.045-32	.CCC+00	.CCC+CO	3.331-08	8.343-04	9.337-03	2.442-20	2.999-05
1.0	.CCC+CO	1.034-32	.CCC+00	.CCC+CO	2.678-08	6.609-04	9.338-03	1.533-20	2.999-05
1.2	.CCC+CO	5.224-33	.CCC+00	.CCC+CO	2.085-08	5.227-04	9.339-03	9.569-21	3.000-05
1.4	.CCC+CO	2.629-33	.CCC+00	.CCC+CO	1.643-08	4.122-04	9.340-03	5.931-21	3.000-05
1.6	.CCC+CO	1.314-33	.CCC+00	.CCC+CO	1.288-08	3.237-04	9.341-03	3.635-21	3.000-05
1.8	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	1.003-08	2.525-04	9.342-03	2.188-21	3.001-05
2.0	.CCC+CC	.CCC+00	.CCC+00	.CCC+CO	7.714-09	1.948-04	9.344-03	1.281-21	3.001-05
2.2	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	5.824-09	1.478-04	9.347-03	7.179-22	3.002-05
2.4	.CCC+CO	.CCC+00	.CCC+00	.CCC+CO	4.269-09	1.090-04	9.354-03	3.763-22	3.004-05

T= 25CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	9.885-08	1.20841+CO	7.95678+00	9.16519+CO	5.24369+01	-5.95599+00	1.20841+00
-6.8	8.801-08	1.20775+CO	7.94720+00	9.14995+CO	5.18659+01	-5.75623+00	1.20775+00
-6.6	7.832-08	1.20680+CO	7.92129+00	9.12809+CO	5.12091+01	-5.55657+00	1.20680+00
-6.4	6.964-08	1.20541+CO	7.89070+00	9.09611+CO	5.07030+01	-5.35707+00	1.20541+00
-6.2	6.186-08	1.20339+CO	7.84565+00	9.04904+CO	5.01033+01	-5.15780+00	1.20339+00
-6.0	5.486-08	1.20044+CO	7.77954+00	8.97998+CO	4.94836+01	-4.95887+00	1.20044+00
-5.8	4.854-08	1.19621+CO	7.68387+00	8.88008+CO	4.88361+01	-4.76040+00	1.19621+00
-5.6	4.281-08	1.19028+CO	7.54883+00	8.73911+CO	4.81514+01	-4.56256+00	1.19028+00
-5.4	3.758-08	1.18225+00	7.36498+00	8.54724+CO	4.74212+01	-4.36550+00	1.18225+00
-5.2	3.281-08	1.17188+00	7.12624+00	8.29812+CO	4.66403+01	-4.16932+00	1.17188+00
-5.0	2.844-08	1.15919+CO	6.83312+00	7.99231+CO	4.58104+01	-3.97405+00	1.15919+00
-4.8	2.446-08	1.14458+00	6.49455+00	7.63913+00	4.49413+01	-3.77956+00	1.14458+00
-4.6	2.085-08	1.12874+00	6.12668+CO	7.25541+CO	4.40500+01	-3.58561+00	1.12874+00
-4.4	1.762-08	1.11250+00	5.74906+CO	6.86156+CO	4.31563+01	-3.39190+00	1.11250+00
-4.2	1.476-08	1.09667+00	5.38034+00	6.47701+CO	4.22789+01	-3.19813+00	1.09667+00
-4.0	1.227-08	1.08187+00	5.03510+00	6.11697+CO	4.14321+01	-3.00403+00	1.08187+00
-3.8	1.012-08	1.06848+00	4.72276+00	5.79124+CO	4.06247+01	-2.80944+00	1.06848+00
-3.6	8.299-09	1.05671+CO	4.44783+CO	5.50454+CO	3.98605+01	-2.61425+00	1.05670+00
-3.4	6.765-09	1.04657+CO	4.21103+00	5.25760+CO	3.91395+01	-2.41844+00	1.04657+00
-3.2	5.489-09	1.03799+CO	4.01055+00	5.04853+CO	3.84591+01	-2.22201+00	1.03799+00
-3.0	4.436-09	1.03082+CO	3.84307+00	4.87369+CO	3.78153+01	-2.02502+00	1.03082+00
-2.8	3.573-09	1.02490+CO	3.70463+00	4.72954+CO	3.72035+01	-1.82752+00	1.02490+00
-2.6	2.870-09	1.02005+CO	3.59115+00	4.61122+CO	3.66192+01	-1.62958+00	1.02005+00
-2.4	2.299-09	1.01610+CO	3.49874+00	4.51484+CO	3.60580+01	-1.43127+00	1.01610+00
-2.2	1.839-09	1.01290+CO	3.42387+00	4.43677+CO	3.55160+01	-1.23264+00	1.01289+00
-2.0	1.469-09	1.01033+CO	3.36345+00	4.37378+CO	3.49897+01	-1.03374+00	1.01031+00
-1.8	1.171-09	1.00826+00	3.31486+00	4.32312+CO	3.44763+01	-8.34630-01	1.00823+00
-1.6	9.331-10	1.00660+00	3.27589+00	4.28249+CO	3.39734+01	-6.35350-01	1.00657+00
-1.4	7.426-10	1.00529+00	3.24668+00	4.24997+CO	3.34790+01	-4.35920-01	1.00523+00
-1.2	5.905-10	1.00426+00	3.21974+00	4.22400+CO	3.29914+01	-2.36360-01	1.00416+00
-1.0	4.692-10	1.00346+00	3.19984+00	4.20329+CO	3.25092+01	-3.67100-02	1.00331+00
-.8	3.725-10	1.00286+00	3.18397+00	4.18682+CO	3.20313+01	1.63030-01	1.00263+00
-.6	2.955-10	1.00245+00	3.17132+00	4.17377+CO	3.15570+01	3.62860-01	1.00208+00
-.4	2.342-10	1.00222+00	3.16126+00	4.16349+CO	3.10853+01	5.62760-01	1.00165+00
-.2	1.855-10	1.00221+00	3.15326+00	4.15547+CO	3.06158+01	7.62750-01	1.00130+00
.0	1.468-10	1.00246+00	3.14690+00	4.14937+CO	3.01478+01	9.62860-01	1.00102+00
.2	1.161-10	1.00308+00	3.14185+00	4.14494+CO	2.96810+01	1.16313+00	1.00079+00
.4	9.174-11	1.00424+00	3.13785+00	4.14209+CO	2.92148+01	1.36363+00	1.00061+00
.6	7.246-11	1.00620+00	3.13468+00	4.14089+CO	2.87488+01	1.56448+00	1.00046+00
.8	5.723-11	1.00943+00	3.13218+00	4.14161+CO	2.82822+01	1.76587+00	1.00033+00
1.0	4.524-11	1.01464+00	3.13021+00	4.14485+CO	2.78143+01	1.96811+00	1.00022+00
1.2	3.586-11	1.02297+00	3.12867+00	4.15164+CO	2.73437+01	2.17166+00	1.00012+00
1.4	2.858-11	1.03622+00	3.12748+00	4.16370+CO	2.68686+01	2.37725+00	1.00002+00
1.6	2.300-11	1.05727+00	3.12658+00	4.18384+CO	2.63860+01	2.58598+00	9.99910-01
1.8	1.884-11	1.09063+00	3.12594+00	4.21657+CO	2.58914+01	2.79947+00	9.99770-01
2.0	1.590-11	1.14343+00	3.12562+00	4.26905+CO	2.53776+01	3.02000+00	9.99580-01
2.2	1.408-11	1.22683+00	3.12581+00	4.35264+CO	2.48335+01	3.25058+00	9.99250-01
2.4	1.345-11	1.35781+CO	3.12728+00	4.48508+CO	2.42421+01	3.49463+00	9.98550-01

T= 2600

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.450-01	2.577-04	9.286-04	2.729-C4	7.856-08	3.0.4-11	3.267-11	8.617-16	5.312-13
-6.8	6.451-01	4.073-04	1.168-03	2.729-C4	1.244-C7	5.997-11	5.171-11	6.107-16	5.949-13
-6.6	6.453-01	6.429-04	1.467-03	2.729-C4	1.9A'-07	1.197-10	8.180-11	4.329-16	6.665-13
-6.4	6.455-01	1.013-03	1.842-03	2.730-C4	3.108-07	2.383-10	1.293-10	3.071-16	7.436-13
-6.2	6.459-01	1.592-03	2.309-03	2.730-C4	4.903-07	4.674-10	2.040-10	2.181-16	8.292-13
-6.0	6.464-01	2.491-03	2.890-03	2.730-C4	7.718-07	9.207-10	3.213-10	1.551-16	9.219-13
-5.8	6.472-01	3.876-03	3.607-03	2.731-C4	1.211-06	1.802-09	5.047-10	1.105-16	1.021-12
-5.6	6.484-01	5.974-03	4.483-03	2.731-C4	1.891-06	3.497-09	7.895-10	7.887-17	1.123-12
-5.4	6.503-01	9.095-03	5.539-03	2.731-C4	2.931-06	6.701-09	1.228-09	5.669-17	1.224-12
-5.2	6.530-01	1.361-02	6.789-03	2.729-C4	4.499-06	1.261-08	1.893-09	4.095-17	1.317-12
-5.0	6.568-01	1.999-02	8.232-03	2.725-C4	6.815-06	2.320-08	2.889-09	2.992-17	1.393-12
-4.8	6.619-01	2.823-02	9.866-03	2.717-C4	1.015-C5	4.144-08	4.347-09	2.192-17	1.443-12
-4.6	6.684-01	3.876-02	1.159-02	2.701-C4	1.479-C5	7.153-08	6.438-09	1.630-17	1.457-12
-4.4	6.761-01	5.120-02	1.340-02	2.675-C4	2.107-C5	1.189-07	9.366-09	1.226-17	1.432-12
-4.2	6.848-01	6.513-02	1.521-02	2.634-C4	2.925-C5	1.904-07	1.334-08	9.320-18	1.368-12
-4.0	6.940-01	7.986-02	1.696-02	2.573-C4	3.955-05	2.937-07	1.876-08	7.158-18	1.271-12
-3.8	7.033-01	9.467-02	1.858-02	2.490-C4	5.210-C5	4.382-07	2.588-08	5.543-18	1.151-12
-3.6	7.122-01	1.089-01	2.006-02	2.384-C4	6.688-C5	6.345-07	3.515-08	4.321-18	1.020-12
-3.4	7.206-01	1.222-01	2.137-02	2.253-C4	8.376-C5	8.955-07	4.717-08	3.386-18	8.859-13
-3.2	7.281-01	1.341-01	2.251-02	2.100-C4	1.024-04	1.237-06	6.246-08	2.663-18	7.570-13
-3.0	7.347-01	1.444-01	2.348-02	1.930-C4	1.225-04	1.679-06	8.200-08	2.101-18	6.380-13
-2.8	7.404-01	1.537-01	2.429-02	1.747-C4	1.433-04	2.245-06	1.069-07	1.660-18	5.316-13
-2.6	7.452-01	1.619-01	2.497-02	1.559-C4	1.643-04	2.967-06	1.382-07	1.314-18	4.389-13
-2.4	7.493-01	1.677-01	2.553-02	1.371-C4	1.850-C4	3.804-06	1.778-07	1.041-18	3.597-13
-2.2	7.527-01	1.731-01	2.599-02	1.189-C4	2.047-04	5.044-06	2.279-07	8.259-19	2.930-13
-2.0	7.554-01	1.776-01	2.637-02	1.014-C4	2.230-C4	6.509-06	2.910-07	6.554-19	2.375-13
-1.8	7.577-01	1.810-01	2.667-02	8.619-C5	2.397-04	8.358-06	3.705-07	5.204-19	1.918-13
-1.6	7.595-01	1.838-01	2.691-02	7.221-C5	2.545-04	1.069-05	4.707-07	4.134-19	1.544-13
-1.4	7.610-01	1.862-01	2.711-02	5.995-C5	2.674-04	1.363-05	5.969-07	3.286-19	1.240-13
-1.2	7.622-01	1.880-01	2.727-02	4.939-C5	2.785-04	1.733-05	7.557-07	2.613-19	9.948-14
-1.0	7.631-01	1.895-01	2.739-02	4.042-C5	2.879-04	2.199-05	9.558-07	2.079-19	7.968-14
-.8	7.639-01	1.907-01	2.749-02	3.290-C5	2.957-04	2.787-05	1.208-06	1.655-19	6.377-14
-.6	7.645-01	1.917-01	2.757-02	2.665-C5	3.023-04	3.528-05	1.525-06	1.318-19	5.101-14
-.4	7.650-01	1.925-01	2.764-02	2.150-C5	3.076-04	4.461-05	1.924-06	1.051-19	4.081-14
-.2	7.654-01	1.931-01	2.769-02	1.730-C5	3.120-04	5.640-05	2.426-06	8.391-20	3.266-14
.0	7.657-01	1.936-01	2.773-02	1.388-C5	3.156-04	7.128-05	3.059-06	6.705-20	2.615-14
.2	7.659-01	1.939-01	2.776-02	1.111-C5	3.185-04	9.013-05	3.856-06	5.367-20	2.096-14
.4	7.661-01	1.942-01	2.778-02	8.873-C6	3.208-04	1.141-04	4.858-06	4.303-20	1.683-14
.6	7.663-01	1.944-01	2.779-02	7.074-C6	3.226-04	1.447-04	6.120-06	3.459-20	1.353-14
.8	7.664-01	1.946-01	2.780-02	5.628-C6	3.241-04	1.841-04	7.709-06	2.783-20	1.091-14
1.0	7.665-01	1.947-01	2.781-02	4.470-06	3.254-04	2.355-04	9.709-06	2.255-20	8.821-15
1.2	7.666-01	1.948-01	2.790-02	3.539-06	3.264-04	3.039-04	1.223-05	1.832-20	7.1..-15
1.4	7.666-01	1.948-01	2.779-02	2.789-06	3.272-04	3.978-04	1.540-05	1.496-20	5.836-15
1.6	7.667-01	1.948-01	2.776-02	2.185-06	3.278-04	5.325-04	1.939-05	1.230-20	4.784-15
1.8	7.667-01	1.947-01	2.772-02	1.696-06	3.284-04	7.387-04	2.442-05	1.020-20	3.949-15
2.0	7.668-01	1.945-01	2.764-02	1.297-06	3.288-04	1.084-03	3.075-05	8.572-21	3.290-15
2.2	7.668-01	1.940-01	2.750-02	9.695-07	3.293-04	1.738-03	3.871-05	7.331-21	2.775-15
2.4	7.668-01	1.928-01	2.726-02	7.003-07	3.298-04	3.197-03	4.867-05	6.440-21	2.380-15

T= 2600

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.674-29	2.012-07	3.540-16	1.589-13	7.530-17	.000+00	6.293-13	.000+00	1.048-17
-6.8	1.489-28	1.793-07	2.509-16	2.240-13	4.239-17	.000+00	4.453-13	.000+00	7.431-18
-6.6	3.316-28	1.594-07	1.778-16	3.155-13	2.387-17	.000+00	3.151-13	.000+00	5.269-18
-6.4	7.367-28	1.421-07	1.261-16	4.438-13	1.345-17	.000+00	2.228-13	.000+00	3.739-18
-6.2	1.631-27	1.265-07	8.952-17	6.229-13	7.589-18	.000+00	1.575-13	.000+00	2.655-18
-6.0	3.593-27	1.124-07	6.362-17	8.717-13	4.287-18	.000+00	1.113-13	.000+00	1.889-18
-5.8	7.852-27	9.987-08	4.528-17	1.215-12	2.427-18	.000+00	7.853-14	.000+00	1.347-18
-5.6	1.697-26	8.855-08	3.231-17	1.681-12	1.379-18	.000+00	5.532-14	.000+00	9.632-19
-5.4	3.609-26	7.833-08	2.312-17	2.306-12	7.865-19	.000+00	3.889-14	.000+00	6.920-19
-5.2	7.506-26	6.906-08	1.662-17	3.142-12	4.514-19	.000+00	2.725-14	.000+00	5.003-19
-5.0	1.516-25	6.061-08	1.202-17	4.157-12	2.612-19	.000+00	1.901-14	.000+00	3.647-19
-4.8	2.949-25	5.289-08	8.739-18	5.417-12	1.526-19	.000+00	1.318-14	.000+00	2.684-19
-4.6	5.697-25	4.583-08	6.397-18	6.883-12	9.019-20	.000+00	9.079-15	.000+00	1.998-19
-4.4	9.772-25	3.940-08	4.710-18	8.509-12	5.391-20	.000+00	6.203-15	.000+00	1.504-19
-4.2	1.656-24	3.358-08	3.481-18	1.022-11	3.259-20	.000+00	4.201-15	.000+00	1.149-19
-4.0	2.679-24	2.837-08	2.578-18	1.195-11	1.989-20	.000+00	2.821-15	.000+00	8.806-20
-3.8	4.156-24	2.376-08	1.907-18	1.362-11	1.224-20	.000+00	1.878-15	.000+00	6.826-20
-3.6	6.212-24	1.974-08	1.405-18	1.518-11	7.583-21	.000+00	1.240-15	.000+00	5.326-20
-3.4	8.996-24	1.629-08	1.028-18	1.659-11	4.722-21	.000+00	8.129-16	.000+00	4.176-20
-3.2	1.269-23	1.335-08	7.461-19	1.784-11	2.951-21	.000+00	5.295-16	.000+00	3.287-20
-3.0	1.750-23	1.089-08	5.359-19	1.892-11	1.849-21	.000+00	3.430-16	.000+00	2.594-20
-2.8	2.371-23	8.836-09	3.805-19	1.983-11	1.161-21	.000+00	2.217-16	.000+00	2.051-20
-2.6	3.166-23	7.143-09	2.670-19	2.059-11	7.302-22	.000+00	1.420-16	.000+00	1.624-20
-2.4	4.176-23	5.756-09	1.850-19	2.123-11	4.597-22	.000+00	9.094-17	.000+00	1.287-20
-2.2	5.457-23	4.626-09	1.267-19	2.174-11	2.896-22	.000+00	5.806-17	.000+00	1.021-20
-2.0	7.076-23	3.711-09	8.580-20	2.216-11	1.826-22	.000+00	3.700-17	.000+00	8.104-21
-1.8	9.117-23	2.971-09	5.750-20	2.249-11	1.152-22	.000+00	2.353-17	.000+00	6.436-21
-1.6	1.169-22	2.376-09	3.818-20	2.275-11	7.269-23	.000+00	1.495-17	.000+00	5.114-21
-1.4	1.492-22	1.899-09	2.514-20	2.295-11	4.589-23	.000+00	9.491-18	.000+00	4.065-21
-1.2	1.899-22	1.517-09	1.645-20	2.310-11	2.899-23	.000+00	6.021-18	.000+00	3.233-21
-1.0	2.409-22	1.211-09	1.070-20	2.320-11	1.833-23	.000+00	3.819-18	.000+00	2.572-21
-.8	3.049-22	9.666-10	6.973-21	2.326-11	1.159-23	.000+00	2.422-18	.000+00	2.048-21
-.6	3.852-22	7.719-10	4.464-21	2.329-11	7.337-24	.000+00	1.536-18	.000+00	1.631-21
-.4	4.858-22	6.167-10	2.870-21	2.329-11	4.649-24	.000+00	9.752-19	.000+00	1.301-21
-.2	6.119-22	4.932-10	1.842-21	2.325-11	2.950-24	.000+00	6.196-19	.000+00	1.038-21
.0	7.692-22	3.950-10	1.181-21	2.319-11	1.875-24	.000+00	3.943-19	.000+00	8.295-22
.2	9.665-22	3.169-10	7.561-22	2.311-11	1.194-24	.000+00	2.514-19	.000+00	6.638-22
.4	1.214-21	2.549-10	4.843-22	2.301-11	7.632-25	.000+00	1.605-19	.000+00	5.322-22
.6	1.525-21	2.058-10	3.103-22	2.291-11	4.897-25	.000+00	1.033-19	.000+00	4.275-22
.8	1.919-21	1.671-10	1.990-22	2.282-11	3.160-25	.000+00	6.671-20	.000+00	3.444-22
1.0	2.425-21	1.366-10	1.279-22	2.278-11	2.056-25	.000+00	4.346-20	.000+00	2.782-22
1.2	3.087-21	1.128-10	8.229-23	2.285-11	1.353-25	.000+00	2.866-20	.000+00	2.256-22
1.4	3.985-21	9.456-11	5.304-23	2.314-11	9.057-26	.000+00	1.924-20	.000+00	1.837-22
1.6	5.266-21	8.104-11	3.423-23	2.381-11	6.218-26	.000+00	1.327-20	.000+00	1.504-22
1.8	7.238-21	7.179-11	2.211-23	2.519-11	4.435-26	.000+00	9.534-21	.000+00	1.239-22
2.0	1.060-20	6.690-11	1.428-23	2.789-11	3.354-26	.000+00	7.291-21	.000+00	1.030-22
2.2	1.720-20	6.739-11	9.202-24	3.324-11	2.778-26	.000+00	6.136-21	.000+00	9.653-23
2.4	3.276-20	7.865-11	5.914-24	4.451-11	2.653-26	.000+00	6.032-.1	.000+00	7.397-23

T= 2800

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	1.731-19	.000+00	.000+00	5.200-04	3.453-01	7.724-03	1.790-12	2.481-05
-6.8	.000+00	7.754-20	.000+00	.000+00	4.210-04	3.448-01	7.726-03	1.132-12	2.482-05
-6.6	.000+00	3.476-20	.000+00	.000+00	3.385-04	3.442-01	7.730-03	7.158-13	2.483-05
-6.4	.000+00	1.561-20	.000+00	.000+00	2.658-04	3.433-01	7.736-03	4.532-13	2.484-05
-6.2	.000+00	7.027-21	.000+00	.000+00	2.113-04	3.420-01	7.741-03	2.873-13	2.486-05
-6.0	.000+00	3.170-21	.000+00	.000+00	1.690-04	3.400-01	7.750-03	1.826-13	2.489-05
-5.8	.000+00	1.438-21	.000+00	.000+00	1.356-04	3.371-01	7.764-03	1.164-13	2.494-05
-5.6	.000+00	6.573-22	.000+00	.000+00	1.084-04	3.329-01	7.783-03	7.457-14	2.500-05
-5.4	.000+00	3.034-22	.000+00	.000+00	8.474-05	3.269-01	7.812-03	4.808-14	2.509-05
-5.2	.000+00	1.420-22	.000+00	.000+00	6.766-05	3.184-01	7.851-03	3.129-14	2.522-05
-5.0	.000+00	6.768-23	.000+00	.000+00	5.409-05	3.068-01	7.906-03	2.060-14	2.539-05
-4.8	.000+00	3.296-23	.000+00	.000+00	4.332-05	2.917-01	7.976-03	1.375-14	2.562-05
-4.6	.000+00	1.645-23	.000+00	.000+00	3.477-05	2.729-01	8.064-03	9.323-15	2.590-05
-4.4	.000+00	8.423-24	.000+00	.000+00	2.796-05	2.508-01	8.167-03	6.420-15	2.623-05
-4.2	.000+00	4.416-24	.000+00	.000+00	2.250-05	2.263-01	8.282-03	4.482-15	2.660-05
-4.0	.000+00	2.362-24	.000+00	.000+00	1.813-05	2.005-01	8.403-03	3.164-15	2.699-05
-3.8	.000+00	1.284-24	.000+00	.000+00	1.460-05	1.746-01	8.523-03	2.250-15	2.738-05
-3.6	.000+00	7.051-25	.000+00	.000+00	1.175-05	1.498-01	8.639-03	1.606-15	2.775-05
-3.4	.000+00	3.895-25	.000+00	.000+00	9.444-06	1.268-01	8.747-03	1.145-15	2.809-05
-3.2	.000+00	2.155-25	.000+00	.000+00	7.583-06	1.061-01	8.843-03	8.139-16	2.841-05
-3.0	.000+00	1.190-25	.000+00	.000+00	6.079-06	8.794-02	8.928-03	5.749-16	2.868-05
-2.8	.000+00	6.536-26	.000+00	.000+00	4.858-06	7.229-02	9.002-03	4.027-16	2.891-05
-2.6	.000+00	3.567-26	.000+00	.000+00	3.892-06	5.904-02	9.064-03	2.795-16	2.911-05
-2.4	.000+00	1.931-26	.000+00	.000+00	3.109-06	4.796-02	9.115-03	1.920-16	2.928-05
-2.2	.000+00	1.037-26	.000+00	.000+00	2.481-06	3.878-02	9.158-03	1.305-16	2.942-05
-2.0	.000+00	5.518-27	.000+00	.000+00	1.970-06	3.125-02	9.194-03	8.787-17	2.953-05
-1.8	.000+00	2.913-27	.000+00	.000+00	1.576-06	2.511-02	9.222-03	5.859-17	2.962-05
-1.6	.000+00	1.526-27	.000+00	.000+00	1.255-06	2.013-02	9.246-03	3.873-17	2.970-05
-1.4	.000+00	7.942-28	.000+00	.000+00	9.980-07	1.611-02	9.265-03	2.541-17	2.976-05
-1.2	.000+00	4.109-28	.000+00	.000+00	7.947-07	1.287-02	9.280-03	1.656-17	2.981-05
-1.0	.000+00	2.115-28	.000+00	.000+00	6.320-07	1.027-02	9.292-03	1.073-17	2.985-05
-.8	.000+00	1.085-28	.000+00	.000+00	5.025-07	8.187-03	9.302-03	6.917-18	2.988-05
-.6	.000+00	5.543-29	.000+00	.000+00	3.995-07	6.522-03	9.310-03	4.441-18	2.990-05
-.4	.000+00	2.826-29	.000+00	.000+00	3.175-07	5.192-03	9.316-03	2.842-18	2.992-05
-.2	.000+00	1.438-29	.000+00	.000+00	2.523-07	4.131-03	9.321-03	1.813-18	2.994-05
.0	.000+00	7.311-30	.000+00	.000+00	2.004-07	3.285-03	9.325-03	1.154-18	2.995-05
.2	.000+00	3.713-30	.000+00	.000+00	1.592-07	2.611-03	9.328-03	7.325-19	2.996-05
.4	.000+00	1.886-30	.000+00	.000+00	1.263-07	2.075-03	9.331-03	4.641-19	2.997-05
.6	.000+00	9.574-31	.000+00	.000+00	1.003-07	1.647-03	9.333-03	2.933-19	2.998-05
.8	.000+00	4.861-31	.000+00	.000+00	7.949-08	1.307-03	9.335-03	1.849-19	2.998-05
1.0	.000+00	2.468-31	.000+00	.000+00	6.295-08	1.035-03	9.336-03	1.162-19	2.999-05
1.2	.000+00	1.251-31	.000+00	.000+00	4.975-08	8.189-04	9.338-03	7.263-20	2.999-05
1.4	.000+00	6.325-32	.000+00	.000+00	3.921-08	6.460-04	9.339-03	4.506-20	3.000-05
1.6	.000+00	3.179-32	.000+00	.000+00	3.075-08	5.073-04	9.340-03	2.764-20	3.000-05
1.8	.000+00	1.581-32	.000+00	.000+00	2.394-08	3.957-04	9.342-03	1.665-20	3.001-05
2.0	.000+00	7.714-33	.000+00	.000+00	1.842-08	3.054-04	9.344-03	9.759-21	3.001-05
2.2	.000+00	3.652-33	.000+00	.000+00	1.391-08	2.317-04	9.347-03	5.478-21	3.002-05
2.4	.000+00	1.650-33	.000+00	.000+00	1.020-08	1.710-04	9.354-03	2.878-21	3.005-05

T= 2800

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	2.012-07	1.20924+00	7.79915+00	9.00839+00	5.25883+01	-5.93866+00	1.20924+00
-6.8	1.793-07	1.20885+00	7.79009+00	8.99894+00	5.25225+01	-5.73880+00	1.20885+00
-6.6	1.596-07	1.20833+00	7.77874+00	8.98707+00	5.24545+01	-5.53899+00	1.20833+00
-6.4	1.421-07	1.20761+00	7.76353+00	8.97115+00	5.23830+01	-5.33924+00	1.20761+00
-6.2	1.265-07	1.20660+00	7.74220+00	8.94881+00	5.23058+01	-5.13961+00	1.20660+00
-6.0	1.124-07	1.20515+00	7.71148+00	8.91663+00	4.97197+01	-4.94013+00	1.20515+00
-5.8	9.987-08	1.20304+00	7.66671+00	8.86974+00	4.91204+01	-4.74089+00	1.20304+00
-5.6	8.855-08	1.19999+00	7.60153+00	8.80152+00	4.85019+01	-4.54199+00	1.19999+00
-5.4	7.833-08	1.19565+00	7.51761+00	8.70346+00	4.78565+01	-4.34357+00	1.19565+00
-5.2	6.906-08	1.18960+00	7.37622+00	8.56582+00	4.71756+01	-4.14577+00	1.18960+00
-5.0	6.061-08	1.18146+00	7.19790+00	8.37936+00	4.64512+01	-3.94875+00	1.18146+00
-4.8	5.289-08	1.17098+00	6.96731+00	8.13828+00	4.56789+01	-3.75262+00	1.17098+00
-4.6	4.583-08	1.15822+00	6.68522+00	7.84347+00	4.48605+01	-3.55738+00	1.15822+00
-4.4	3.939-08	1.14357+00	6.36053+00	7.50410+00	4.40057+01	-3.36291+00	1.14357+00
-4.2	3.357-08	1.12775+00	6.00862+00	7.13637+00	4.31307+01	-3.16896+00	1.12775+00
-4.0	2.835-08	1.11157+00	5.64816+00	6.75973+00	4.22547+01	-2.97524+00	1.11157+00
-3.8	2.375-08	1.09582+00	5.29676+00	6.39258+00	4.13950+01	-2.78143+00	1.09582+00
-3.6	1.973-08	1.08111+00	4.96816+00	6.04927+00	4.05653+01	-2.58730+00	1.08111+00
-3.4	1.627-08	1.06782+00	4.67115+00	5.73897+00	3.97735+01	-2.39267+00	1.06782+00
-3.2	1.334-08	1.05615+00	4.40989+00	5.46603+00	3.90232+01	-2.19745+00	1.05614+00
-3.0	1.087-08	1.04610+00	4.18498+00	5.23108+00	3.83143+01	-2.00160+00	1.04610+00
-2.8	8.816-09	1.03760+00	3.99464+00	5.03224+00	3.76443+01	-1.80514+00	1.03760+00
-2.6	7.123-09	1.03051+00	3.83568+00	4.86518+00	3.70092+01	-1.60812+00	1.03050+00
-2.4	5.735-09	1.02465+00	3.70431+00	4.72696+00	3.64046+01	-1.41060+00	1.02464+00
-2.2	4.605-09	1.01985+00	3.59664+00	4.61699+00	3.58262+01	-1.21264+00	1.01984+00
-2.0	3.669-09	1.01594+00	3.50897+00	4.52491+00	3.52699+01	-1.01430+00	1.01592+00
-1.8	2.949-09	1.01278+00	3.43795+00	4.45073+00	3.47317+01	-8.15660-01	1.01276+00
-1.6	2.354-09	1.01023+00	3.38065+00	4.39089+00	3.42086+01	-6.16750-01	1.01020+00
-1.4	1.876-09	1.00820+00	3.33457+00	4.34277+00	3.36978+01	-4.17630-01	1.00814+00
-1.2	1.494-09	1.00658+00	3.29760+00	4.30418+00	3.31969+01	-2.18320-01	1.00649+00
-1.0	1.188-09	1.00532+00	3.26801+00	4.27332+00	3.27041+01	-1.88700-02	1.00517+00
-.8	9.434-10	1.00434+00	3.24436+00	4.24870+00	3.22177+01	1.80710-01	1.00411+00
-.6	7.486-10	1.00363+00	3.22549+00	4.22912+00	3.17365+01	3.80400-01	1.00377+00
-.4	5.935-10	1.00317+00	3.21044+00	4.21361+00	3.12594+01	5.80200-01	1.00259+00
-.2	4.700-10	1.00296+00	3.19846+00	4.20142+00	3.07855+01	7.80110-01	1.00205+00
.0	3.718-10	1.00306+00	3.18893+00	4.19199+00	3.03141+01	9.80150-01	1.00162+00
.2	2.938-10	1.00355+00	3.18135+00	4.18491+00	2.98445+01	1.18037+00	1.00127+00
.4	2.319-10	1.00461+00	3.17534+00	4.17995+00	2.93761+01	1.38082+00	1.00094+00
.6	1.830-10	1.00650+00	3.17058+00	4.17708+00	2.89083+01	1.58164+00	1.00059+00
.8	1.443-10	1.00967+00	3.16683+00	4.17649+00	2.84404+01	1.78300+00	1.00056+00
1.0	1.138-10	1.01482+00	3.16387+00	4.17870+00	2.79713+01	1.98522+00	1.00040+00
1.2	8.995-11	1.02311+00	3.16158+00	4.18469+00	2.74999+01	2.18875+00	1.00025+00
1.4	7.143-11	1.03633+00	3.15984+00	4.19617+00	2.70242+01	2.39432+00	1.00012+00
1.6	5.724-11	1.05734+00	3.15858+00	4.21592+00	2.65413+01	2.60304+00	9.99980-01
1.8	4.661-11	1.09067+00	3.15777+00	4.24844+00	2.60465+01	2.81652+00	9.99820-01
2.0	3.901-11	1.14344+00	3.15751+00	4.30094+00	2.55327+01	3.03704+00	9.99600-01
2.2	3.415-11	1.22675+00	3.15805+00	4.38480+00	2.49889+01	3.26758+00	9.99230-01
2.4	3.215-11	1.35752+00	3.16029+00	4.51782+00	2.43983+01	3.51157+00	9.98470-01

-6.8	6.446-01	1.785-04	8.951-04	2.726-04	5.204-08	1.907-11	6.302-11	3.126-15	1.186-12
-6.6	6.448-01	2.791-04	1.126-03	2.726-04	8.244-08	5.588-11	6.302-11	3.126-15	1.186-12
-6.4	6.450-01	4.410-04	1.415-03	2.729-04	1.305-07	1.111-10	9.973-11	2.216-15	1.327-12
-6.2	6.452-01	6.958-04	1.778-03	2.729-04	2.063-07	2.207-10	1.577-10	1.571-15	1.486-12
-6.0	6.454-01	1.095-03	2.231-03	2.730-04	3.258-07	4.376-10	2.491-10	1.115-15	1.658-12
-5.8	6.456-01	1.720-03	2.796-03	2.731-04	5.136-07	8.643-10	3.930-10	7.918-16	1.847-12
-5.6	6.464-01	2.687-03	3.497-03	2.731-04	8.083-07	1.700-09	6.186-10	5.633-16	2.052-12
-5.4	6.472-01	4.[illegible]	4.360-03	2.732-04	1.267-06	3.321-09	9.707-10	4.016-16	2.268-12
-5.2	6.485-01	6.415-03	5.413-03	2.733-04	1.976-06	6.427-09	1.516-09	2.873-16	2.490-12
-5.0	6.506-01	9.733-03	6.677-03	2.733-04	3.058-06	1.227-08	2.354-09	2.045-16	2.707-12
-4.8	6.533-01	1.449-02	8.166-03	2.731-04	4.683-06	2.299-08	3.622-09	1.494-16	2.904-12
-4.6	6.572-01	2.107-02	9.874-03	2.728-04	7.072-06	4.205-08	5.510-09	1.040-16	3.060-12
-4.4	6.625-01	2.971-02	1.177-02	2.720-04	1.049-05	7.460-08	8.266-09	8.027-17	3.154-12
-4.2	6.691-01	4.067-02	1.381-02	2.706-04	1.524-05	1.278-07	1.220-08	5.980-17	3.169-12
-4.0	6.769-01	5.309-02	1.591-02	2.678-04	2.162-05	2.110-07	1.768-08	4.506-17	3.097-12
-3.8	6.855-01	6.705-02	1.799-02	2.636-04	2.990-05	3.352-07	2.515-08	3.633-17	2.942-12
-3.6	6.946-01	8.167-02	1.999-02	2.575-04	4.029-05	5.137-07	3.515-08	2.941-17	2.721-12
-3.4	7.037-01	9.625-02	2.186-02	2.491-04	5.290-05	7.616-07	4.833-08	2.448-17	2.454-12
-3.2	7.124-01	1.102-01	2.351-02	2.383-04	6.772-05	1.097-06	6.547-08	1.598-17	2.166-12
-3.0	7.205-01	1.231-01	2.488-02	2.252-04	8.461-05	1.542-06	8.736-08	1.253-17	1.875-12
-2.8	7.277-01	1.345-01	2.597-02	2.097-04	1.033-04	2.123-06	1.158-07	9.861-18	1.598-12
-2.6	7.341-01	1.447-01	2.755-02	1.920-04	1.233-04	2.873-06	1.518-07	7.781-18	1.346-12
-2.4	7.395-01	1.536-01	2.827-02	1.725-04	1.440-04	3.835-06	1.975-07	6.152-18	1.118-12
-2.2	7.442-01	1.608-01	2.902-02	1.516-04	1.650-04	5.055-06	2.552-07	4.872-18	9.221-13
-2.0	7.480-01	1.669-01	2.965-02	1.298-04	1.856-04	6.608-06	3.281-07	3.862-18	7.569-13
-1.8	7.512-01	1.720-01	3.016-02	1.106-04	2.052-04	8.568-06	4.202-07	3.054-18	6.166-13
-1.6	7.538-01	1.761-01	3.065-02	1.016-04	2.235-04	1.105-05	5.362-07	2.433-18	4.980-13
-1.4	7.560-01	1.795-01	3.091-02	6.599-05	2.400-04	1.417-05	6.824-07	1.933-18	4.022-13
-1.2	7.577-01	1.822-01	3.110-02	7.204-05	2.548-04	1.812-05	8.666-07	1.537-18	3.239-13
-1.0	7.591-01	1.845-01	3.140-02	5.981-05	2.676-04	2.309-05	1.099-06	1.223-18	2.603-13
-.8	7.602-01	1.862-01	3.157-02	4.927-05	2.787-04	2.935-05	1.391-06	9.737-19	2.090-13
-.6	7.611-01	1.877-01	3.171-02	4.032-05	2.881-04	3.725-05	1.758-06	7.759-19	1.676-13
-.4	7.619-01	1.888-01	3.182-02	3.281-05	2.959-04	4.720-05	2.221-06	6.188-19	1.343-13
-.2	7.624-01	1.897-01	3.191-02	2.657-05	3.024-04	5.976-05	2.806-06	4.942-19	1.077-13
.0	7.629-01	1.904-01	3.199-02	2.144-05	3.077-04	7.564-05	3.538-06	3.952-19	8.640-14
.2	7.633-01	1.910-01	3.204-02	1.724-05	3.121-04	9.574-05	4.461-06	3.166-19	6.938-14
.4	7.636-01	1.914-01	3.208-02	1.382-05	3.157-04	1.213-04	5.624-06	2.541-19	5.579-14
.6	7.638-01	1.918-01	3.211-02	1.105-05	3.189-04	1.539-04	7.088-06	2.045-19	4.496-14
.8	7.640-01	1.920-01	3.213-02	8.817-06	3.208-04	1.950-04	8.930-06	1.652-19	3.633-14
1.0	7.641-01	1.922-01	3.214-02	7.015-06	3.228-04	2.467-04	1.125-05	1.339-19	2.965-14
1.2	7.642-01	1.923-01	3.214-02	5.582-06	3.243-04	3.237-04	1.417-05	1.080-19	2.397-14
1.4	7.643-01	1.924-01	3.213-02	4.391-06	3.255-04	4.238-04	1.784-05	8.935-20	1.961-14
1.6	7.644-01	1.924-01	3.210-02	3.444-06	3.265-04	5.674-04	2.247-05	7.379-20	1.615-14
1.8	7.645-01	1.924-01	3.205-02	2.675-06	3.274-04	7.872-04	2.829-05	6.157-20	1.341-14
2.0	7.645-01	1.922-01	3.196-02	2.048-06	3.281-04	1.155-03	3.561-05	5.211-20	1.126-14
2.2	7.646-01	1.917-01	3.180-02	1.533-06	3.287-04	1.852-03	4.480-05	4.502-20	9.591-15
2.4	7.646-01	1.905-01	3.151-02	1.109-06	3.294-04	3.405-03	5.626-05	4.011-20	8.341-15

T= 2700

LOG C	C2+	NC+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.238-28	3.886-07	1.904-15	2.282-13	1.021-15	.000+00	3.270-12	.000+00	7.809-17
-6.8	2.765-28	3.463-07	1.392-15	3.220-13	5.744-16	.000+00	2.314-12	.000+00	5.532-17
-6.6	6.173-28	3.085-07	9.859-16	4.541-13	3.233-16	.000+00	1.638-12	.000+00	3.920-17
-6.4	1.376-27	2.748-07	6.988-16	6.399-13	1.821-16	.000+00	1.159-12	.000+00	2.779-17
-6.2	3.063-27	2.446-07	4.954-16	9.009-13	1.026-16	.000+00	8.199-13	.000+00	1.971-17
-6.0	6.800-27	2.179-07	3.515-16	1.266-12	5.781-17	.000+00	5.798-13	.000+00	1.399-17
-5.8	1.504-26	1.938-07	2.496-16	1.776-12	3.262-17	.000+00	4.098-13	.000+00	9.940-18
-5.6	3.303-26	1.723-07	1.774-16	2.489-12	1.844-17	.000+00	2.894-13	.000+00	7.075-18
-5.4	7.207-26	1.530-07	1.264-16	3.499-12	1.045-17	.000+00	2.042-13	.000+00	5.047-18
-5.2	1.552-25	1.356-07	9.025-17	4.775-12	5.938-18	.000+00	1.438-13	.000+00	3.613-18
-5.0	3.287-25	1.198-07	6.467-17	6.529-12	3.392-18	.000+00	1.010-13	.000+00	2.600-18
-4.8	6.796-25	1.056-07	4.656-17	8.812-12	1.950-18	.000+00	7.071-14	.000+00	1.882-18
-4.6	1.362-24	9.254-08	3.371-17	1.168-11	1.130-18	.000+00	4.927-14	.000+00	1.375-18
-4.4	2.629-24	8.064-08	2.456-17	1.519-11	6.620-19	.000+00	3.413-14	.000+00	1.014-18
-4.2	4.855-24	6.977-08	1.802-17	1.915-11	3.920-19	.000+00	2.347-14	.000+00	7.566-19
-4.0	8.549-24	5.987-08	1.329-17	2.353-11	2.348-19	.000+00	1.601-14	.000+00	5.710-19
-3.8	1.435-23	5.094-08	9.842-18	2.813-11	1.422-19	.000+00	1.083-14	.000+00	4.356-19
-3.6	2.303-23	4.296-08	7.298-18	3.271-11	8.694-20	.000+00	7.258-15	.000+00	3.355-19
-3.4	3.546-23	3.593-08	5.404-18	3.712-11	5.358-20	.000+00	4.824-15	.000+00	2.604-19
-3.2	5.267-23	2.981-08	3.989-18	4.120-11	3.323-20	.000+00	3.181-15	.000+00	2.034-19
-3.0	7.587-23	2.457-08	2.919-18	4.488-11	2.070-20	.000+00	2.083-15	.000+00	1.596-19
-2.8	1.065-22	2.012-08	2.120-18	4.811-11	1.295-20	.000+00	1.356-15	.000+00	1.257-19
-2.6	1.464-22	1.639-08	1.523-18	5.089-11	8.118-21	.000+00	8.775-16	.000+00	9.926-20
-2.4	1.977-22	1.329-08	1.082-18	8.323-11	5.100-21	.000+00	5.655-16	.000+00	7.852-20
-2.2	2.633-22	1.074-08	7.594-19	5.519-11	3.208-21	.000+00	3.630-16	.000+00	6.220-20
-2.0	3.466-22	8.654-09	5.266-19	5.680-11	2.020-21	.000+00	2.323-16	.000+00	4.932-20
-1.8	4.520-22	6.955-09	3.608-19	5.810-11	1.274-21	.000+00	1.483-16	.000+00	3.915-20
-1.6	5.851-22	5.579-09	2.444-19	5.913-11	8.034-22	.000+00	9.434-17	.000+00	3.109-20
-1.4	7.528-22	4.469-09	1.639-19	5.994-11	5.071-22	.000+00	6.016-17	.000+00	2.471-20
-1.2	9.636-22	3.577-09	1.089-19	6.056-11	3.203-22	.000+00	3.825-17	.000+00	1.965-20
-1.0	1.228-21	2.860-09	7.183-20	6.101-11	2.025-22	.000+00	2.430-17	.000+00	1.563-20
-.8	1.561-21	2.287-09	4.704-20	6.132-11	1.281-22	.000+00	1.543-17	.000+00	1.245-20
-.6	1.977-21	1.829-09	3.064-20	6.150-11	8.109-23	.000+00	9.803-18	.000+00	9.918-21
-.4	2.498-21	1.463-09	1.987-20	6.156-11	5.140-23	.000+00	6.230-18	.000+00	7.911-21
-.2	3.150-21	1.171-09	1.284-20	6.152-11	3.263-23	.000+00	3.963-18	.000+00	6.317-21
.0	3.965-21	9.391-10	8.280-21	6.138-11	2.075-23	.000+00	2.525-18	.000+00	5.052-21
.2	4.983-21	7.544-10	5.331-21	6.115-11	1.323-23	.000+00	1.612-18	.000+00	4.046-21
.4	6.257-21	6.077-10	3.431-21	6.086-11	8.461-24	.000+00	1.032-18	.000+00	3.247-21
.6	7.856-21	4.913-10	2.208-21	6.053-11	5.434-24	.000+00	6.637-19	.000+00	2.613-21
.8	9.875-21	3.994-10	1.422-21	6.021-11	3.511-24	.000+00	4.293-19	.000+00	2.108-21
1.0	1.246-20	3.270-10	9.175-22	6.000-11	2.287-24	.000+00	2.800-19	.000+00	1.707-21
1.2	1.592-20	2.706-10	5.929-22	6.005-11	1.507-24	.000+00	1.849-19	.000+00	1.381-21
1.4	2.036-20	2.272-10	3.839-22	6.060-11	1.010-24	.000+00	1.243-19	.000+00	1.134-21
1.6	2.680-20	1.950-10	2.492-22	6.210-11	6.941-25	.000+00	8.572-20	.000+00	9.326-22
1.8	3.663-20	1.730-10	1.620-22	6.533-11	4.951-25	.000+00	6.152-20	.000+00	7.728-22
2.0	5.326-20	1.612-10	1.055-22	7.181-11	3.739-25	.000+00	4.691-20	.000+00	6.470-22
2.2	8.553-20	1.622-10	6.879-23	8.472-11	3.085-25	.000+00	3.929-20	.000+00	5.494-22
2.4	1.606-19	1.838-10	4.491-23	1.118-10	2.922-25	.000+00	3.809-20	.000+00	4.764-22

LOG C	A++	C+	C++	NE+	N			
-7.0	.COC+CC	3.817-18	.000+00	.C00+C0	1.185-03	3.496-01	7.719-03	1.121-11	2.479-05
-6.8	.COO+CO	1.708-18	.000+00	.000+C0	4.419-04	3.454-01	7.722-03	7.082-12	2.480-05
-6.6	.COO+CO	7.645-19	.000+00	.000+C0	7.484-04	3.490-01	7.724-03	4.475-12	2.481-05
-6.4	.COO+CO	3.425-19	.000+00	.000+C0	5.947-04	3.445-01	7.727-03	2.829-12	2.482-05
-6.2	.COO+CO	1.536-19	.000+00	.000+C0	4.726-04	3.438-01	7.731-03	1.790-12	2.483-05
-6.0	.COO+CO	6.891-20	.000+00	.000+C0	3.756-04	3.428-01	7.736-03	1.134-12	2.484-05
-5.8	.COO+CO	3.108-20	.000+00	.000+C0	2.986-04	3.413-01	7.741-03	7.193-13	2.487-05
-5.6	.COO+CO	1.405-20	.000+00	.000+C0	2.374-04	3.392-01	7.754-03	4.575-13	2.490-05
-5.4	.COO+CO	6.386-21	.000+00	.000+C0	1.889-04	3.360-01	7.769-03	2.920-13	2.495-05
-5.2	.COO+CO	2.925-21	.000+00	.000+C0	1.504-04	3.314-01	7.790-03	1.873-13	2.502-05
-5.0	.COO+CO	1.354-21	.000+00	.000+C0	1.199-04	3.249-01	7.821-03	1.211-13	2.512-05
-4.8	.COO+CO	6.364-22	.000+00	.000+C0	9.569-05	3.158-01	7.863-03	7.898-14	2.526-05
-4.6	.COO+CO	3.047-22	.000+00	.000+C0	7.652-05	3.035-01	7.921-03	5.216-14	2.544-05
-4.4	.COO+CO	1.492-22	.000+00	.000+C0	6.131-05	2.877-01	7.995-03	3.495-14	2.568-05
-4.2	.COO+CO	7.491-23	.000+00	.000+C0	4.922-05	2.692-01	8.084-03	2.378-14	2.597-05
-4.0	.COO+CO	3.857-23	.000+00	.000+C0	3.958-05	2.496-01	8.182-03	1.644-14	2.631-05
-3.8	.COO+CO	2.033-23	.000+00	.000+C0	3.186-05	2.308-01	8.308-03	1.152-14	2.668-05
-3.6	.COO+CO	1.093-23	.000+00	.000+C0	2.565-05	1.949-01	8.428-03	8.156-15	2.707-05
-3.4	.COO+CO	5.983-24	.000+00	.000+C0	2.066-05	1.593-01	8.548-03	5.815-15	2.746-05
-3.2	.COO+CO	3.286-24	.000+00	.000+C0	1.662-05	1.449-01	8.662-03	4.157-15	2.782-05
-3.0	.COO+CO	1.820-24	.000+00	.000+C0	1.336-05	1.223-01	8.769-03	2.970-15	2.816-05
-2.8	.COO+CO	1.009-24	.000+00	.000+C0	1.072-05	1.022-01	8.862-03	2.113-15	2.846-05
-2.6	.COO+CO	5.582-25	.000+00	.000+C0	8.593-06	8.454-02	8.944-03	1.496-15	2.873-05
-2.4	.COO+CO	3.071-25	.000+00	.000+C0	6.870-06	6.941-02	9.015-03	1.068-15	2.896-05
-2.2	.COO+CO	1.678-25	.000+00	.000+C0	5.499-06	5.663-02	9.075-03	7.574-16	2.915-05
-2.0	.COO+CO	9.097-26	.000+00	.000+C0	4.391-06	4.596-02	9.125-03	5.399-16	2.931-05
-1.8	.COO+CO	4.888-26	.000+00	.000+C0	3.503-06	3.714-02	9.166-03	3.800-16	2.944-05
-1.6	.COO+CO	2.604-26	.000+00	.000+C0	2.793-06	2.991-02	9.200-03	2.690-16	2.955-05
-1.4	.COO+CO	1.376-26	.000+00	.000+C0	2.225-06	2.402-02	9.227-03	1.527-16	2.964-05
-1.2	.COO+CO	7.219-27	.000+00	.000+C0	1.771-06	1.925-02	9.253-03	1.010-16	2.971-05
-1.0	.COO+CO	3.761-27	.000+00	.000+C0	1.410-06	1.540-02	9.269-03	6.625-17	2.977-05
-.8	.COO+CO	1.949-27	.000+00	.000+C0	1.121-06	1.230-02	9.282-03	4.317-17	2.982-05
-.6	.COO+CO	1.005-27	.000+00	.000+C0	8.918-07	9.811-03	9.294-03	2.797-17	2.985-05
-.4	.COO+CO	5.162-28	.000+00	.000+C0	7.090-07	7.820-03	9.304-03	1.803-17	2.988-05
-.2	.COO+CO	2.644-28	.000+00	.000+C0	5.635-07	6.228-03	9.311-03	1.158-17	2.991-05
.0	.COO+CO	1.351-28	.000+00	.000+C0	4.477-07	4.956-03	9.317-03	7.404-18	2.993-05
.2	.COO+CO	6.898-29	.000+00	.000+C0	3.556-07	3.942-03	9.322-03	4.721-18	2.994-05
.4	.COO+CO	3.518-29	.000+00	.000+C0	2.824-07	3.133-03	9.326-03	3.001-18	2.995-05
.6	.COO+CO	1.793-29	.000+00	.000+C0	2.241-07	2.489-03	9.329-03	1.902-18	2.996-05
.8	.COO+CO	9.142-30	.000+00	.000+C0	1.777-07	1.975-03	9.332-03	1.202-18	2.997-05
1.0	.COO+CO	4.660-30	.000+00	.000+C0	1.407-07	1.565-03	9.334-03	7.565-19	2.998-05
1.2	.COO+CO	2.372-30	.000+00	.000+C0	1.112-07	1.238-03	9.336-03	4.736-19	2.999-05
1.4	.COO+CO	1.205-30	.000+00	.000+C0	8.766-08	9.769-04	9.337-03	2.942-19	2.999-05
1.6	.COO+CO	6.088-31	.000+00	.000+C0	6.876-08	7.674-04	9.339-03	1.837-19	3.000-05
1.8	.COO+CO	3.047-31	.000+00	.000+C0	5.354-08	5.987-04	9.341-03	1.090-19	3.000-05
2.0	.COO+CO	1.500-31	.000+00	.000+C0	4.120-08	4.621-04	9.343-03	6.395-20	3.001-05
2.2	.000+00	7.184-32	.000+00	.000+C0	3.112-08	3.506-04	9.347-03	3.595-20	3.002-05
2.4	.COC+CO	3.298-32	.000+00	.000+C0	2.284-08	2.588-04	9.355-03	1.894-20	3.005-05

T= 2700

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	3.886-07	1.20994+00	7.65524+00	8.86519+00	5.27364+01	-5.92702+00	1.20994+00
-6.8	3.463-07	1.20960+00	7.64580+00	8.8556C+00	5.21698+01	-5.72214+00	1.20960+00
-6.6	3.085-07	1.20922+00	7.63625+00	8.84547+00	5.16033+01	-5.52228+00	1.20922+00
-6.4	2.748-07	1.20876+00	7.62565+00	8.83441+00	5.10359+01	-5.32244+00	1.20876+00
-6.2	2.448-07	1.20816+00	7.61279+00	8.82096+00	5.04665+01	-5.12266+00	1.20816+00
-6.0	2.179-07	1.20735+00	7.59601+00	8.80336+00	4.98936+01	-4.92295+00	1.20735+00
-5.8	1.938-07	1.20621+00	7.57293+00	8.77914+00	4.93167+01	-4.72336+00	1.20621+00
-5.6	1.723-07	1.20459+00	7.54015+00	8.74473+00	4.87268+01	-4.52394+00	1.20459+00
-5.4	1.530-07	1.20227+00	7.49291+00	8.69517+00	4.81253+01	-4.32678+00	1.20227+00
-5.2	1.356-07	1.19894+00	7.42481+00	8.62375+00	4.75043+01	-4.12598+00	1.19894+00
-5.0	1.198-07	1.19425+00	7.32783+00	8.52208+00	4.68562+01	-3.9276 +00	1.19425+00
-4.8	1.055-07	1.18777+00	7.19305+00	8.38082+00	4.61729+01	-3.73005+00	1.18777+00
-4.6	9.253-08	1.17916+00	7.01246+00	8.19162+00	4.54472+01	-3.53321+00	1.17916+00
-4.4	8.063-08	1.16823+00	6.78179+00	7.95002+00	4.46759+01	-3.33726+00	1.16823+00
-4.2	6.975-08	1.15508+00	6.50324+00	7.65832+00	4.38623+01	-3.14217+00	1.15508+00
-4.0	5.985-08	1.14018+00	6.18653+00	7.32471+00	4.30171+01	-2.94781+00	1.14018+00
-3.8	5.091-08	1.12427+00	5.84726+00	6.97153+00	4.21564+01	-2.75391+00	1.12427+00
-3.6	4.293-08	1.10818+00	5.50322+00	6.61139+00	4.12983+01	-2.56017+00	1.10818+00
-3.4	3.589-08	1.09264+00	5.17064+00	6.26328+00	4.04590+01	-2.36631+00	1.09264+00
-3.2	2.977-08	1.07823+00	4.86175+00	5.93998+00	3.96504+01	-2.17207+00	1.07823+00
-3.0	2.452-08	1.06529+00	4.58407+00	5.64936+00	3.88792+01	-1.97732+00	1.06528+00
-2.8	2.007-08	1.05396+00	4.34085+00	5.39481+00	3.81480+01	-1.78196+00	1.05396+00
-2.6	1.634-08	1.04425+00	4.13218+00	5.17643+00	3.74563+01	-1.58598+00	1.04424+00
-2.4	1.324-08	1.03605+00	3.95603+00	4.99209+00	3.68012+01	-1.38940+00	1.03605+00
-2.2	1.069-08	1.02923+00	3.80923+00	4.83846+00	3.61789+01	-1.19227+00	1.02922+00
-2.0	8.598-09	1.02360+00	3.68810+00	4.71170+00	3.55852+01	-9.94650-01	1.02359+00
-1.8	6.898-09	1.01900+00	3.58895+00	4.60795+00	3.50157+01	-7.96610-01	1.01858+00
-1.6	5.521-09	1.01527+00	3.50829+00	4.52356+00	3.44667+01	-5.98200-01	1.01523+00
-1.4	4.410-09	1.01225+00	3.44300+00	4.45525+00	3.39346+01	-3.99490-01	1.01213+00
-1.2	3.516-09	1.00984+00	3.39035+00	4.40015+00	3.34163+01	-2.00530-01	1.00975+00
-1.0	2.800-09	1.00792+00	3.34804+00	4.35596+00	3.29094+01	-1.36000-03	1.00778+00
-.8	2.226-09	1.00643+00	3.31410+00	4.32053+00	3.24117+01	1.98000-01	1.00620+00
-.6	1.767-09	1.00529+00	3.28695+00	4.29225+00	3.19213+01	3.97510-01	1.00493+00
-.4	1.402-09	1.00449+00	3.26526+00	4.26975+00	3.14369+01	5.97160-01	1.00392+00
-.2	1.110-09	1.00402+00	3.24796+00	4.25197+00	3.09571+01	7.96960-01	1.00311+00
.0	8.778-10	1.00390+00	3.23417+00	4.23807+00	3.04810+01	9.96910-01	1.00246+00
.2	6.933-10	1.00422+00	3.22320+00	4.22742+00	3.00077+01	1.19705+00	1.00193+00
.4	5.469-10	1.00514+00	3.21448+00	4.21962+00	2.95363+01	1.39744+00	1.00151+00
.6	4.309-10	1.00692+00	3.20757+00	4.21449+00	2.90661+01	1.59821+00	1.00117+00
.8	3.392-10	1.01000+00	3.20210+00	4.21210+00	2.85963+01	1.79954+00	1.00089+00
1.0	2.670-10	1.01508+00	3.19781+00	4.21289+00	2.81258+01	2.00172+00	1.00056+00
1.2	2.105-10	1.02331+00	3.19448+00	4.21778+00	2.76533+01	2.20522+00	1.00045+00
1.4	1.666-10	1.03668+00	3.19194+00	4.22842+00	2.71767+01	2.41078+00	1.00027+00
1.6	1.330-10	1.05744+00	3.19012+00	4.24756+00	2.66931+01	2.61947+00	1.00009+00
1.8	1.077-10	1.08872+00	3.18898+00	4.27970+00	2.61979+01	2.83293+00	9.99890-01
2.0	8.944-11	1.14343+00	3.18861+00	4.33204+00	2.56841+01	3.05343+00	9.99640-01
2.2	7.753-11	1.22665+00	3.18935+00	4.41599+00	2.51405+01	3.28394+00	9.99230-01
2.4	7.195-11	1.35718+00	3.19217+00	4.54936+00	2.45506+01	3.52786+00	9.98400-01

T= 2800

LOG Z	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.433-01	9.119-05	5.556-04	2.725-04	1.465-08	6.956-12	1.970-11	3.907-14	1.612-12
-6.8	6.437-01	8.107-05	6.991-04	2.726-04	2.321-08	1.387-11	3.122-11	2.768-14	1.808-12
-6.6	6.441-01	1.283-04	8.799-04	2.727-04	3.676-08	2.764-11	4.947-11	1.961-14	2.027-12
-6.4	6.443-01	2.030-04	1.107-03	2.728-04	5.822-08	5.505-11	7.835-11	1.390-14	2.271-12
-6.2	6.446-01	3.209-04	1.392-03	2.728-04	9.216-08	1.096-10	1.240-10	9.851-15	2.544-12
-6.0	6.448-01	5.067-04	1.749-03	2.729-04	1.458-07	2.179-10	1.962-10	6.984-15	2.846-12
-5.8	6.450-01	7.987-04	2.197-03	2.730-04	2.304-07	4.321-10	3.102-10	4.954-15	3.181-12
-5.6	6.453-01	1.256-03	2.755-03	2.731-04	3.636-07	8.553-10	4.898-10	3.517-15	3.550-12
-5.4	6.458-01	1.966-03	3.451-03	2.732-04	5.732-07	1.687-09	7.720-10	2.499-15	3.951-12
-5.2	6.464-01	3.060-03	4.311-03	2.733-04	9.026-07	3.310-09	1.214-09	1.779-15	4.391-12
-5.0	6.473-01	4.749-03	5.366-03	2.734-04	1.409-06	6.477-09	1.901-09	1.270-15	4.872-12
-4.8	6.488-01	7.370-03	6.647-03	2.734-04	2.193-06	1.266-08	2.984-09	9.099-16	5.388-12
-4.6	6.509-01	1.098-02	8.176-03	2.735-04	3.383-06	2.456-08	4.587-09	6.553-16	5.924-12
-4.4	6.540-01	1.620-02	9.963-03	2.734-04	5.159-06	4.381-08	7.032-09	4.752-16	6.405-12
-4.2	6.583-01	2.332-02	1.199-02	2.730-04	7.751-06	7.933-08	1.065-08	3.477-16	6.389-12
-4.0	6.638-01	3.253-02	1.422-02	2.721-04	1.143-05	1.392-07	1.588-08	2.570-16	6.532-12
-3.8	6.707-01	4.377-02	1.658-02	2.705-04	1.649-05	2.356-07	2.330-08	1.922-16	6.505-12
-3.6	6.786-01	5. 71-02	1.899-02	2.676-04	2.323-05	3.839-07	3.356-08	1.453-16	6.299-12
-3.4	6.873-01	7.077-02	2.134-02	2.631-04	3.189-05	6.028-07	4.746-08	1.111-16	5.932-12
-3.2	6.963-01	8.526-02	2.356-02	2.566-04	4.266-05	9.136-07	6.596-08	8.567-17	5.441-12
-3.0	7.051-01	9.951-02	2.564-02	2.478-04	5.565-05	1.342-06	9.022-08	6.657-17	4.873-12
-2.8	7.135-01	1.130-01	2.748-02	2.365-04	7.081-05	1.917-06	1.217-07	5.203-17	4.273-12
-2.6	7.212-01	1.253-01	2.910-02	2.230-04	8.798-05	2.675-06	1.621-07	4.085-17	3.681-12
-2.4	7.280-01	1.363-01	3.049-02	2.073-04	1.068-04	3.661-06	2.139-07	3.218-17	3.124-12
-2.2	7.340-01	1.458-01	3.166-02	1.900-04	1.269-04	4.930-06	2.794-07	2.542-17	2.619-12
-2.0	7.391-01	1.540-01	3.265-02	1.715-04	1.477-04	6.552-06	3.626-07	2.011-17	2.173-12
-1.8	7.434-01	1.608-01	3.347-02	1.526-04	1.686-04	8.615-06	4.679-07	1.594-17	1.788-12
-1.6	7.470-01	1.665-01	3.414-02	1.339-04	1.890-04	1.123-05	6.007-07	1.264-17	1.462-12
-1.4	7.500-01	1.713-01	3.468-02	1.159-04	2.084-04	1.453-05	7.683-07	1.004-17	1.189-12
-1.2	7.526-01	1.751-01	3.513-02	9.904-05	2.264-04	1.871-05	9.795-07	7.978-18	9.631-13
-1.0	7.548-01	1.782-01	3.549-02	8.369-05	2.426-04	2.398-05	1.246-06	6.347-18	7.777-13
-.8	7.559-01	1.808-01	3.578-02	7.001-05	2.570-04	3.062-05	1.581-06	5.053-18	6.267-13
-.6	7.572-01	1.828-01	3.601-02	5.805-05	2.696-04	3.899-05	2.003-06	4.027-18	5.042-13
-.4	7.583-01	1.844-01	3.619-02	4.776-05	2.803-04	4.955-05	2.534-06	3.213-18	4.053-13
-.2	7.591-01	1.857-01	3.634-02	3.905-05	2.894-04	6.289-05	3.203-06	2.567-18	3.250-13
.0	7.598-01	1.868-01	3.646-02	3.175-05	2.971-04	7.974-05	4.046-06	2.054-18	2.619-13
.2	7.603-01	1.876-01	3.655-02	2.569-05	3.034-04	1.011-04	5.106-06	1.647-18	2.107-13
.4	7.607-01	1.883-01	3.662-02	2.070-05	3.085-04	1.282-04	6.441-06	1.324-18	1.698-13
.6	7.610-01	1.888-01	3.667-02	1.662-05	3.127-04	1.628-04	8.122-06	1.067-18	1.371-13
.8	7.613-01	1.892-01	3.671-02	1.331-05	3.162-04	2.074-04	1.024-05	8.627-19	1.110-13
1.0	7.615-01	1.895-01	3.674-02	1.062-05	3.190-04	2.656-04	1.290-05	7.008-19	9.025-14
1.2	7.617-01	1.897-01	3.675-02	8.437-06	3.213-04	3.430-04	1.627-05	5.723-19	7.369-14
1.4	7.618-01	1.898-01	3.674-02	6.672-06	3.237-04	4.493-04	2.047-05	4.705-19	6.050-14
1.6	7.620-01	1.899-01	3.672-02	5.242-06	3.247-04	6.017-04	2.577-05	3.901-19	5.004-14
1.8	7.621-01	1.898-01	3.668-02	4.078-06	3.259-04	8.348-04	3.244-05	3.273-19	4.178-14
2.0	7.621-01	1.897-01	3.658-02	3.126-06	3.270-04	1.225-03	4.082-05	2.789-19	3.532-14
2.2	7.622-01	1.892-01	3.637-02	2.344-06	3.279-04	1.964-03	5.133-05	2.432-19	3.038-14
2.4	7.622-01	1.880-01	3.604-02	1.699-06	3.288-04	3.609-03	6.439-05	2.195-19	2.676-14

T= 2800

LOG Z	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.195-28	7.169-07	9.644-15	3.188-13	1.149-14	.000+00	1.509-11	.000+00	5.041-16
-6.8	4.909-28	6.390-07	6.832-15	4.501-13	6.465-15	.000+00	1.069-11	.000+00	3.571-16
-6.6	1.097-27	5.695-07	4.840-15	6.352-13	3.638-15	.000+00	7.564-12	.000+00	2.530-16
-6.4	2.450-27	5.075-07	3.429-15	8.962-13	2.048-15	.000+00	5.354-12	.000+00	1.793-16
-6.2	5.467-27	4.521-07	2.430-15	1.263-12	1.153-15	.000+00	3.789-12	.000+00	1.270-16
-6.0	1.218-26	4.027-07	1.723-15	1.780-12	6.493-16	.000+00	2.681-12	.000+00	9.008-17
-5.8	2.708-26	3.586-07	1.222-15	2.504-12	3.659-16	.000+00	1.896-12	.000+00	6.391-17
-5.6	6.002-26	3.191-07	8.672-16	3.517-12	2.063-16	.000+00	1.341-12	.000+00	4.538-17
-5.4	1.324-25	2.838-07	6.161-16	4.927-12	1.165-16	.000+00	9.474-13	.000+00	3.227-17
-5.2	2.903-25	2.522-07	4.384-16	6.876-12	6.590-17	.000+00	6.689-13	.000+00	2.299-17
-5.0	6.303-25	2.238-07	3.125-16	9.544-12	3.738-17	.000+00	4.716-13	.000+00	1.642-17
-4.8	1.350-24	1.981-07	2.235-16	1.314-11	2.128-17	.000+00	3.318-13	.000+00	1.177-17
-4.6	2.836-24	1.749-07	1.604-16	1.790-11	1.218-17	.000+00	2.329-13	.000+00	8.489-18
-4.4	5.806-24	1.539-07	1.158-16	2.402-11	7.022-18	.000+00	1.628-13	.000+00	6.165-18
-4.2	1.150-23	1.346-07	8.404-17	3.161-11	4.084-18	.000+00	1.132-13	.000+00	4.517-18
-4.0	2.187-23	1.170-07	6.141-17	4.066-11	2.400-18	.000+00	7.825-14	.000+00	3.345-18
-3.8	3.977-23	1.010-07	4.517-17	5.092-11	1.427-18	.000+00	5.368-14	.000+00	2.505-18
-3.6	6.894-23	8.642-08	3.340-17	6.201-11	8.577-19	.000+00	3.652-14	.000+00	1.897-18
-3.4	1.140-22	7.332-08	2.478-17	7.344-11	5.211-19	.000+00	2.463-14	.000+00	1.452-18
-3.2	1.804-22	6.167-08	1.840-17	8.472-11	3.194-19	.000+00	1.646-14	.000+00	1.122-18
-3.0	2.745-22	5.144-08	1.363-17	9.541-11	1.973-19	.000+00	1.092-14	.000+00	8.725-19
-2.8	4.035-22	4.259-08	1.005-17	1.052-10	1.225-19	.000+00	7.183-15	.000+00	6.827-19
-2.6	5.761-22	3.503-08	7.360-18	1.140-10	7.646-20	.000+00	4.695-15	.000+00	5.365-19
-2.4	8.029-22	2.864-08	5.340-18	1.216-10	4.796-20	.000+00	3.050-15	.000+00	4.230-19
-2.2	1.097-21	2.330-08	3.833-18	1.281-10	3.004-20	.000+00	1.972-15	.000+00	3.342-19
-2.0	1.474-21	1.888-08	2.720-18	1.336-10	1.888-20	.000+00	1.269-15	.000+00	2.646-19
-1.8	1.954-21	1.525-08	1.907-18	1.381-10	1.189-20	.000+00	8.145-16	.000+00	2.098-19
-1.6	2.563-21	1.228-08	1.321-18	1.418-10	7.493-21	.000+00	5.211-16	.000+00	1.665-19
-1.4	3.333-21	9.869-09	9.040-19	1.447-10	4.727-21	.000+00	3.327-16	.000+00	1.322-19
-1.2	4.302-21	7.919-09	6.121-19	1.470-10	2.985-21	.000+00	2.121-16	.000+00	1.051-19
-1.0	5.521-21	6.348-09	4.104-19	1.487-10	1.886-21	.000+00	1.351-16	.000+00	8.362-20
-.8	7.050-21	5.085-09	2.727-19	1.499-10	1.193-21	.000+00	8.595-17	.000+00	6.659-20
-.6	8.966-21	4.073-09	1.799-19	1.507-10	7.557-22	.000+00	5.469-17	.000+00	5.307-20
-.4	1.136-20	3.263-09	1.180-19	1.511-10	4.791-22	.000+00	3.481-17	.000+00	4.235-20
-.2	1.436-20	2.616-09	7.697-20	1.512-10	3.043-22	.000+00	2.217-17	.000+00	3.383-20
.0	1.810-20	2.100-09	5.003-20	1.510-10	1.936-22	.000+00	1.415-17	.000+00	2.707-20
.2	2.277-20	1.690-09	3.244-20	1.506-10	1.235-22	.000+00	9.042-18	.000+00	2.170-20
.4	2.860-20	1.363-09	2.100-20	1.497-10	7.907-23	.000+00	5.798-18	.000+00	1.744-20
.6	3.590-20	1.104-09	1.359-20	1.488-10	5.084-23	.000+00	3.733-18	.000+00	1.405-20
.8	4.509-20	8.985-10	8.796-21	1.478-10	3.289-23	.000+00	2.418-18	.000+00	1.135-20
1.0	5.679-20	7.369-10	5.702-21	1.471-10	2.145-23	.000+00	1.580-18	.000+00	9.213-21
1.2	7.199-20	6.107-10	3.702-21	1.469-10	1.416-23	.000+00	1.044-18	.000+00	7.511-21
1.4	9.237-20	5.138-10	2.410-21	1.478-10	9.499-24	.000+00	7.025-19	.000+00	6.158-21
1.6	1.211-19	4.417-10	1.573-21	1.509-10	6.532-24	.000+00	4.848-19	.000+00	5.085-21
1.8	1.647-19	3.922-10	1.030-21	1.579-10	4.660-24	.000+00	3.477-19	.000+00	4.236-21
2.0	2.379-19	3.657-10	6.761-22	1.724-10	3.515-24	.000+00	2.645-19	.000+00	3.571-21
2.2	3.786-19	3.676-10	4.456-22	2.015-10	2.890-24	.000+00	2.202-19	.000+00	3.061-21
2.4	7.014-19	4.147-10	2.952-22	2.626-10	2.717-24	.000+00	2.110-19	.000+00	2.690-21

T= 2800

LOG D	A**	C*	C**	NE*	N	C	A	C	NE
-7.0	.000+00	6.749-17	.000+00	.000+00	2.903-03	3.456-01	7.713-03	6.155-11	2.477-05
-6.8	.000+00	3.019-17	.000+00	.000+00	1.589-03	3.455-01	7.716-03	3.887-11	2.478-05
-6.6	.000+00	1.350-17	.000+00	.000+00	1.581-03	3.453-01	7.719-03	2.455-11	2.479-05
-6.4	.000+00	6.043-18	.000+00	.000+00	1.256-03	3.451-01	7.721-03	1.551-11	2.480-05
-6.2	.000+00	2.706-18	.000+00	.000+00	9.983-04	3.447-01	7.724-03	9.806-12	2.481-05
-6.0	.000+00	1.213-18	.000+00	.000+00	7.933-04	3.441-01	7.728-03	6.202-12	2.482-05
-5.8	.000+00	5.444-19	.000+00	.000+00	6.305-04	3.433-01	7.733-03	3.926-12	2.484-05
-5.6	.000+00	2.448-19	.000+00	.000+00	5.011-04	3.421-01	7.739-03	2.489-12	2.486-05
-5.4	.000+00	1.104-19	.000+00	.000+00	3.984-04	3.404-01	7.747-03	1.580-12	2.488-05
-5.2	.000+00	5.003-20	.000+00	.000+00	3.169-04	3.379-01	7.758-03	1.007-12	2.492-05
-5.0	.000+00	2.282-20	.000+00	.000+00	2.522-04	3.342-01	7.777-03	6.437-13	2.498-05
-4.8	.000+00	1.048-20	.000+00	.000+00	2.008-04	3.290-01	7.801-03	4.149-13	2.506-05
-4.6	.000+00	4.879-21	.000+00	.000+00	1.601-04	3.216-01	7.836-03	2.684-13	2.517-05
-4.4	.000+00	2.307-21	.000+00	.000+00	1.279-04	3.115-01	7.883-03	1.759-13	2.532-05
-4.2	.000+00	1.113-21	.000+00	.000+00	1.023-04	2.980-01	7.944-03	1.167-13	2.552-05
-4.0	.000+00	5.500-22	.000+00	.000+00	8.203-05	2.810-01	8.026-03	7.867-14	2.578-05
-3.8	.000+00	2.787-22	.000+00	.000+00	6.589-05	2.605-01	8.122-03	5.386-14	2.609-05
-3.6	.000+00	1.448-22	.000+00	.000+00	5.300-05	2.371-01	8.231-03	3.743-14	2.644-05
-3.4	.000+00	7.691-23	.000+00	.000+00	4.267-05	2.119-01	8.349-03	2.636-14	2.682-05
-3.2	.000+00	4.162-23	.000+00	.000+00	3.436-05	1.860-01	8.470-03	1.874-14	2.720-05
-3.0	.000+00	2.283-23	.000+00	.000+00	2.766-05	1.608-01	8.588-03	1.339-14	2.758-05
-2.8	.000+00	1.263-23	.000+00	.000+00	2.224-05	1.370-01	8.699-03	9.594-15	2.794-05
-2.6	.000+00	7.017-24	.000+00	.000+00	1.786-05	1.152-01	8.801-03	6.861-15	2.827-05
-2.4	.000+00	3.897-24	.000+00	.000+00	1.433-05	9.594-02	8.891-03	4.883-15	2.856-05
-2.2	.000+00	2.158-24	.000+00	.000+00	1.148-05	7.918-02	8.969-03	3.451-15	2.881-05
-2.0	.000+00	1.188-24	.000+00	.000+00	9.184-06	6.487-02	9.036-03	2.418-15	2.902-05
-1.8	.000+00	6.492-25	.000+00	.000+00	7.339-06	5.283-02	9.093-03	1.677-15	2.921-05
-1.6	.000+00	3.519-25	.000+00	.000+00	5.859-06	4.281-02	9.139-03	1.152-15	2.936-05
-1.4	.000+00	1.891-25	.000+00	.000+00	4.673-06	3.455-02	9.178-03	7.824-16	2.948-05
-1.2	.000+00	1.007-25	.000+00	.000+00	3.724-06	2.780-02	9.210-03	5.262-16	2.958-05
-1.0	.000+00	5.325-26	.000+00	.000+00	2.966-06	2.231-02	9.236-03	3.505-16	2.966-05
-.8	.000+00	2.794-26	.000+00	.000+00	2.361-06	1.787-02	9.256-03	2.315-16	2.973-05
-.6	.000+00	1.457-26	.000+00	.000+00	1.879-06	1.428-02	9.273-03	1.518-16	2.979-05
-.4	.000+00	7.559-27	.000+00	.000+00	1.494-06	1.140-02	9.287-03	9.881-17	2.983-05
-.2	.000+00	3.905-27	.000+00	.000+00	1.188-06	9.094-03	9.298-03	6.396-17	2.986-05
.0	.000+00	2.011-27	.000+00	.000+00	9.442-07	7.245-03	9.306-03	4.119-17	2.989-05
.2	.000+00	1.033-27	.000+00	.000+00	7.501-07	5.767-03	9.313-03	2.641-17	2.991-05
.4	.000+00	5.297-28	.000+00	.000+00	5.957-07	4.587-03	9.319-03	1.687-17	2.993-05
.6	.000+00	2.713-28	.000+00	.000+00	4.728-07	3.646-03	9.324-03	1.073-17	2.995-05
.8	.000+00	1.390-28	.000+00	.000+00	3.750-07	2.894-03	9.327-03	6.803-18	2.996-05
1.0	.000+00	7.116-29	.000+00	.000+00	2.970-07	2.295-03	9.331-03	4.293-18	2.997-05
1.2	.000+00	3.639-29	.000+00	.000+00	2.348-07	1.816-03	9.333-03	2.693-18	2.998-05
1.4	.000+00	1.858-29	.000+00	.000+00	1.850-07	1.433-03	9.335-03	1.676-18	2.999-05
1.6	.000+00	9.439-30	.000+00	.000+00	1.452-07	1.126-03	9.338-03	1.031-18	2.999-05
1.8	.000+00	4.756-30	.000+00	.000+00	1.136-07	8.784-04	9.340-03	6.228-19	3.000-05
2.0	.000+00	2.360-30	.000+00	.000+00	8.700-08	6.781-04	9.343-03	3.660-19	3.001-05
2.2	.000+00	1.143-30	.000+00	.000+00	6.574-08	5.146-04	9.347-03	2.061-19	3.002-05
2.4	.000+00	5.324-31	.000+00	.000+00	4.828-08	3.799-04	9.355-03	1.088-19	3.005-05

T= 2800

LOG D	B-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	7.169-07	1.21091+00	7.53627+00	8.74718+00	5.28931+01	-5.90588+00	1.21091+00
-6.8	6.390-07	1.21047+00	7.52175+00	8.73222+00	5.23210+01	-5.70603+00	1.21047+00
-6.6	5.695-07	1.21006+00	7.50908+00	8.71914+00	5.17510+01	-5.50618+00	1.21006+00
-6.4	5.075-07	1.20963+00	7.49740+00	8.70703+00	5.11822+01	-5.30633+00	1.20963+00
-6.2	4.521-07	1.20916+00	7.48579+00	8.69495+00	5.06136+01	-5.10650+00	1.20916+00
-6.0	4.027-07	1.20860+00	7.47317+00	8.68177+00	5.00443+01	-4.90671+00	1.20860+00
-5.8	3.586-07	1.20788+00	7.45816+00	8.66604+00	4.94729+01	-4.70696+00	1.20788+00
-5.6	3.191-07	1.20691+00	7.43891+00	8.64582+00	4.88976+01	-4.50731+00	1.20691+00
-5.4	2.838-07	1.20558+00	7.41279+00	8.61836+00	4.83159+01	-4.30779+00	1.20558+00
-5.2	2.522-07	1.20369+00	7.37612+00	8.57981+00	4.77245+01	-4.10847+00	1.20369+00
-5.0	2.238-07	1.20101+00	7.32386+00	8.52487+00	4.71185+01	-3.90944+00	1.20101+00
-4.8	1.981-07	1.19722+00	7.24935+00	8.44657+00	4.64917+01	-3.71081+00	1.19722+00
-4.6	1.749-07	1.19194+00	7.14457+00	8.33651+00	4.58368+01	-3.51273+00	1.19194+00
-4.4	1.538-07	1.18476+00	7.00113+00	8.18589+00	4.51460+01	-3.31536+00	1.18476+00
-4.2	1.346-07	1.17538+00	6.81226+00	7.98765+00	4.44136+01	-3.11881+00	1.17538+00
-4.0	1.170-07	1.16370+00	6.57570+00	7.73946+00	4.36384+01	-2.92315+00	1.16370+00
-3.8	1.009-07	1.14995+00	6.29586+00	7.44581+00	4.28257+01	-2.72831+00	1.14995+00
-3.6	8.637-08	1.13468+00	5.98407+00	7.11875+00	4.19878+01	-2.53411+00	1.13468+00
-3.4	7.325-08	1.11867+00	5.65623+00	6.77490+00	4.11411+01	-2.34028+00	1.11867+00
-3.2	6.159-08	1.10274+00	5.32913+00	6.43188+00	4.03026+01	-2.14651+00	1.10274+00
-3.0	5.135-08	1.08758+00	5.01720+00	6.10478+00	3.94863+01	-1.95253+00	1.08757+00
-2.8	4.249-08	1.07366+00	4.73067+00	5.80433+00	3.87022+01	-1.75812+00	1.07366+00
-2.6	3.492-08	1.06128+00	4.47533+00	5.53661+00	3.79554+01	-1.56316+00	1.06127+00
-2.4	2.852-08	1.05051+00	4.25324+00	5.30375+00	3.72471+01	-1.36759+00	1.05051+00
-2.2	2.318-08	1.04134+00	4.06872+00	5.10506+00	3.65760+01	-1.17140+00	1.04133+00
-2.0	1.875-08	1.03363+00	3.90443+00	4.93806+00	3.59390+01	-9.74620-01	1.03361+00
-1.8	1.511-08	1.02723+00	3.77211+00	4.79934+00	3.53322+01	-7.77320-01	1.02721+00
-1.6	1.214-08	1.02198+00	3.66322+00	4.68522+00	3.47515+01	-5.79550-01	1.02194+00
-1.4	9.725-09	1.01769+00	3.57427+00	4.59197+00	3.41929+01	-3.81370-01	1.01764+00
-1.2	7.773-09	1.01423+00	3.50203+00	4.51626+00	3.36528+01	-1.82850-01	1.01414+00
-1.0	6.200-09	1.01146+00	3.44363+00	4.45509+00	3.31280+01	1.54600-02	1.01131+00
-.8	4.936-09	1.00927+00	3.39659+00	4.40585+00	3.26157+01	2.15020-01	1.00903+00
-.6	3.923-09	1.00757+00	3.35880+00	4.36637+00	3.21136+01	4.14290-01	1.00720+00
-.4	3.112-09	1.00631+00	3.32853+00	4.33484+00	3.16196+01	6.13740-01	1.00573+00
-.2	2.465-09	1.00547+00	3.30432+00	4.30979+00	3.11322+01	8.13380-01	1.00455+00
.0	1.950-09	1.00506+00	3.28479+00	4.29005+00	3.06499+01	1.01320+00	1.00361+00
.2	1.539-09	1.00514+00	3.26958+00	4.27472+00	3.01717+01	1.21324+00	1.00285+00
.4	1.213-09	1.00587+00	3.25732+00	4.26319+00	2.96964+01	1.41355+00	1.00224+00
.6	9.569-10	1.00750+00	3.24759+00	4.25508+00	2.92231+01	1.61426+00	1.00175+00
.8	7.507-10	1.01045+00	3.23988+00	4.25033+00	2.87508+01	1.81553+00	1.00135+00
1.0	5.899-10	1.01544+00	3.23381+00	4.24925+00	2.82783+01	2.01767+00	1.00101+00
1.2	4.639-10	1.02358+00	3.22908+00	4.25266+00	2.78043+01	2.22113+00	1.00073+00
1.4	3.661-10	1.03668+00	3.22547+00	4.26215+00	2.73265+01	2.42666+00	1.00049+00
1.6	2.909-10	1.05758+00	3.22285+00	4.28043+00	2.68420+01	2.63533+00	1.00029+00
1.8	2.344-10	1.09060+00	3.22117+00	4.31197+00	2.63462+01	2.84876+00	1.00001+00
2.0	1.934-10	1.14342+00	3.22052+00	4.36394+00	2.58321+01	3.06922+00	9.99710-01
2.2	1.661-10	1.22652+00	3.22127+00	4.44779+00	2.52896+01	3.29969+00	9.99250-01
2.4	1.522-10	1.35679+00	3.22449+00	4.58129+00	2.46992+01	3.54353+00	9.98360-01

T= 2900

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.412-01	2.478-05	4.405-04	2.721-04	6.921-09	3.604-12	1.564-11	2.162-13	2.654-12
-6.8	6.421-01	3.923-05	5.568-04	2.723-04	1.097-08	7.192-12	2.487-11	1.533-13	2.977-12
-6.6	6.427-01	6.220-05	6.987-04	2.726-04	1.739-08	1.435-11	3.944-11	1.086-13	3.338-12
-6.4	6.433-01	9.848-05	8.795-04	2.726-04	2.755-08	2.860-11	6.251-11	7.700-14	3.743-12
-6.2	6.437-01	1.558-04	1.107-03	2.726-04	4.364-08	5.698-11	9.904-11	5.457-14	4.195-12
-6.0	6.440-01	2.464-04	1.392-03	2.727-04	6.909-08	1.134-10	1.568-10	3.868-14	4.699-12
-5.8	6.443-01	3.893-04	1.750-03	2.728-04	1.093-07	2.256-10	2.482-10	2.742-14	5.261-12
-5.6	6.446-01	6.142-04	2.199-03	2.729-04	1.729-07	4.480-10	3.926-10	1.945-14	5.883-12
-5.4	6.449-01	9.669-04	2.759-03	2.730-04	2.731-07	8.879-10	6.202-10	1.380-14	6.570-12
-5.2	6.453-01	1.518-03	3.458-03	2.731-04	4.307-07	1.755-09	9.783-10	9.832-15	7.322-12
-5.0	6.458-01	2.373-03	4.326-03	2.733-04	6.770-07	3.462-09	1.540-09	6.972-15	8.135-12
-4.8	6.465-01	3.687-03	5.399-03	2.734-04	1.063-06	6.769-09	2.417-09	4.939-15	8.988-12
-4.6	6.476-01	5.677-03	6.700-03	2.735-04	1.660-06	1.308-08	3.775-09	3.553-15	9.890-12
-4.4	6.493-01	8.638-03	8.273-03	2.736-04	2.573-06	2.502-08	5.869-09	2.551-15	1.077-11
-4.2	6.518-01	1.290-02	1.013-02	2.737-04	3.950-06	4.705-08	9.044-09	1.843-15	1.158-11
-4.0	6.555-01	1.895-02	1.228-02	2.738-04	5.987-06	8.647-08	1.379-08	1.341-15	1.225-11
-3.8	6.600-01	2.676-02	1.468-02	2.731-04	8.927-06	1.544-07	2.074-08	9.859-16	1.269-11
-3.6	6.660-01	3.674-02	1.728-02	2.721-04	1.305-05	2.666-07	3.070-08	7.325-16	1.283-11
-3.4	6.732-01	4.861-02	1.999-02	2.701-04	1.864-05	4.437-07	4.466-08	5.504-16	1.262-11
-3.2	6.813-01	6.193-02	2.270-02	2.668-04	2.598-05	7.110-07	6.378-08	4.182-16	1.207-11
-3.0	6.900-01	7.606-02	2.531-02	2.617-04	3.530-05	1.099-06	8.968-08	3.209-16	1.123-11
-2.8	6.988-01	9.033-02	2.776-02	2.545-04	4.676-05	1.641-06	1.234-07	2.483-16	1.019-11
-2.6	7.073-01	1.041-01	2.999-02	2.449-04	6.041-05	2.380-06	1.678-07	1.935-16	9.045-12
-2.4	7.153-01	1.170-01	3.196-02	2.329-04	7.618-05	3.364-06	2.250-07	1.516-16	7.870-12
-2.2	7.225-01	1.286-01	3.368-02	2.186-04	9.387-05	4.652-06	2.983-07	1.192-16	6.735-12
-2.0	7.288-01	1.388-01	3.514-02	2.043-04	1.131-04	6.320-06	3.917-07	9.404-17	5.685-12
-1.8	7.343-01	1.476-01	3.638-02	1.846-04	1.334-04	8.459-06	5.103-07	7.435-17	4.745-12
-1.6	7.390-01	1.551-01	3.740-02	1.660-04	1.543-04	1.119-05	6.604-07	5.890-17	3.924-12
-1.4	7.429-01	1.613-01	3.825-02	1.470-04	1.750-04	1.465-05	8.501-07	4.672-17	3.222-12
-1.2	7.461-01	1.665-01	3.895-02	1.285-04	1.951-04	1.904-05	1.089-06	3.711-17	2.630-12
-1.0	7.488-01	1.708-01	3.952-02	1.108-04	2.141-04	2.458-05	1.391-06	2.951-17	2.137-12
-.8	7.510-01	1.743-01	3.997-02	9.433-05	2.315-04	3.158-05	1.772-06	2.349-17	1.731-12
-.6	7.528-01	1.771-01	4.034-02	7.946-05	2.472-04	4.041-05	2.251-06	1.872-17	1.398-12
-.4	7.542-01	1.794-01	4.064-02	6.629-05	2.610-04	5.155-05	2.854-06	1.494-17	1.128-12
-.2	7.553-01	1.812-01	4.088-02	5.493-05	2.730-04	6.562-05	3.614-06	1.194-17	9.093-13
.0	7.563-01	1.826-01	4.106-02	4.502-05	2.833-04	8.341-05	4.571-06	9.560-18	7.330-13
.2	7.570-01	1.838-01	4.121-02	3.673-05	2.919-04	1.059-04	5.775-06	7.671-18	5.913-13
.4	7.576-01	1.847-01	4.133-02	2.980-05	2.991-04	1.345-04	7.291-06	6.171-18	4.776-13
.6	7.581-01	1.855-01	4.142-02	2.407-05	3.051-04	1.711-04	9.199-06	4.980-18	3.866-13
.8	7.584-01	1.860-01	4.149-02	1.935-05	3.100-04	2.187-04	1.160-05	4.034-18	3.138-13
1.0	7.587-01	1.865-01	4.153-02	1.550-05	3.140-04	2.796-04	1.462-05	3.283-18	2.557-13
1.2	7.590-01	1.868-01	4.156-02	1.235-05	3.173-04	3.613-04	1.843-05	2.688-18	2.094-13
1.4	7.592-01	1.870-01	4.157-02	9.794-06	3.199-04	4.734-04	2.321-05	2.217-18	1.726-13
1.6	7.594-01	1.871-01	4.154-02	7.710-06	3.221-04	6.342-04	2.923-05	1.845-18	1.433-13
1.8	7.596-01	1.872-01	4.148-02	6.010-06	3.239-04	8.802-04	3.680-05	1.555-18	1.203-13
2.0	7.596-01	1.870-01	4.137-02	4.615-06	3.254-04	1.292-03	4.629-05	1.334-18	1.023-13
2.2	7.597-01	1.866-01	4.116-02	3.466-06	3.268-04	2.070-03	5.818-05	1.173-18	8.878-14
2.4	7.598-01	1.853-01	4.077-02	2.517-06	3.280-04	3.803-03	7.291-05	1.071-18	7.912-14

T= 2900

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.737-28	1.268-06	4.252-14	4.343-13	1.094-13	.000+00	6.275-11	.000+00	2.864-15
-6.8	8.364-28	1.130-06	3.013-14	6.135-13	6.157-14	.000+00	4.443-11	.000+00	2.029-15
-6.6	1.871-27	1.008-06	2.134-14	8.664-13	3.465-14	.000+00	3.146-11	.000+00	1.437-15
-6.4	4.183-27	8.984-07	1.512-14	1.223-12	1.951-14	.000+00	2.227-11	.000+00	1.018-15
-6.2	9.347-27	8.007-07	1.071-14	1.726-12	1.098-14	.000+00	1.576-11	.000+00	7.215-16
-6.0	2.086-26	7.134-07	7.591-15	2.434-12	6.181-15	.000+00	1.116-11	.000+00	5.114-16
-5.8	4.651-26	6.356-07	5.381-15	3.431-12	3.481-15	.000+00	7.895-12	.000+00	3.625-16
-5.6	1.035-25	5.660-07	3.816-15	4.829-12	1.961-15	.000+00	5.586-12	.000+00	2.571-16
-5.4	2.296-25	5.039-07	2.707-15	6.789-12	1.106-15	.000+00	3.950-12	.000+00	1.825-16
-5.2	5.081-25	4.483-07	1.923-15	9.522-12	6.239-16	.000+00	2.792-12	.000+00	1.297-16
-5.0	1.118-24	3.985-07	1.367-15	1.332-11	3.526-16	.000+00	1.972-12	.000+00	9.231-17
-4.8	2.439-24	3.539-07	9.738-16	1.854-11	1.997-16	.000+00	1.392-12	.000+00	6.584-17
-4.6	5.262-24	3.137-07	6.954-16	2.563-11	1.135-16	.000+00	9.803-13	.000+00	4.712-17
-4.4	1.117-23	2.774-07	4.982-16	3.512-11	6.475-17	.000+00	6.890-13	.000+00	3.387-17
-4.2	2.321-23	2.445-07	3.586-16	4.752-11	3.718-17	.000+00	4.827-13	.000+00	2.450-17
-4.0	4.682-23	2.145-07	2.595-16	6.323-11	2.151-17	.000+00	3.367-13	.000+00	1.786-17
-3.8	9.110-23	1.872-07	1.881-16	8.238-11	1.257-17	.000+00	2.336-13	.000+00	1.315-17
-3.6	1.699-22	1.622-07	1.387-16	1.047-10	7.425-18	.000+00	1.609-13	.000+00	9.787-18
-3.4	3.023-22	1.395-07	1.023-16	1.295-10	4.436-18	.000+00	1.100-13	.000+00	7.368-18
-3.2	5.131-22	1.189-07	7.588-17	1.557-10	2.680-18	.000+00	7.455-14	.000+00	5.608-18
-3.0	8.317-22	1.005-07	5.640-17	1.827-10	1.635-18	.000+00	5.008-14	.000+00	4.311-18
-2.8	1.293-21	8.420-08	4.191-17	2.079-10	1.006-18	.000+00	3.336-14	.000+00	3.341-18
-2.6	1.936-21	7.001-08	3.104-17	2.319-10	6.228-19	.000+00	2.205-14	.000+00	2.606-18
-2.4	2.807-21	5.779-08	2.287-17	2.536-10	3.877-19	.000+00	1.447-14	.000+00	2.044-18
-2.2	3.963-21	4.742-08	1.671-17	2.727-10	2.423-19	.000+00	9.433-15	.000+00	1.609-18
-2.0	5.470-21	3.869-08	1.210-17	2.892-10	1.519-19	.000+00	6.117-15	.000+00	1.270-18
-1.8	7.414-21	3.143-08	8.662-18	3.031-10	9.544-20	.000+00	3.948-15	.000+00	1.005-18
-1.6	9.897-21	2.544-08	6.129-18	3.147-10	6.007-20	.000+00	2.539-15	.000+00	7.965-19
-1.4	1.305-20	2.053-08	4.285-18	3.240-10	3.786-20	.000+00	1.628-15	.000+00	6.321-19
-1.2	1.704-20	1.653-08	2.961-18	3.315-10	2.389-20	.000+00	1.042-15	.000+00	5.022-19
-1.0	2.206-20	1.329-08	2.022-18	3.373-10	1.509-20	.000+00	6.652-16	.000+00	3.995-19
-.8	2.847-20	1.067-08	1.367-18	3.416-10	9.547-21	.000+00	4.244-16	.000+00	3.181-19
-.6	3.628-20	8.567-09	9.158-19	3.446-10	6.046-21	.000+00	2.706-16	.000+00	2.535-19
-.4	4.617-20	6.876-09	6.095-19	3.465-10	3.834-21	.000+00	1.726-16	.000+00	2.023-19
-.2	5.853-20	5.522-09	4.017-19	3.473-10	2.436-21	.000+00	1.101-16	.000+00	1.617-19
.0	7.394-20	4.440-09	2.637-19	3.471-10	1.551-21	.000+00	7.035-17	.000+00	1.295-19
.2	9.315-20	3.577-09	1.725-19	3.462-10	9.901-22	.000+00	4.504-17	.000+00	1.039-19
.4	1.171-19	2.890-09	1.125-19	3.445-10	6.343-22	.000+00	2.892-17	.000+00	8.356-20
.6	1.470-19	2.344-09	7.331-20	3.423-10	4.083-22	.000+00	1.865-17	.000+00	6.741-20
.8	1.845-19	1.911-09	4.775-20	3.398-10	2.644-22	.000+00	1.210-17	.000+00	5.458-20
1.0	2.322-19	1.570-09	3.112-20	3.376-10	1.727-22	.000+00	7.914-18	.000+00	4.437-20
1.2	2.938-19	1.304-09	2.032-20	3.364-10	1.141-22	.000+00	5.239-18	.000+00	3.627-20
1.4	3.761-19	1.099-09	1.330-20	3.378-10	7.665-23	.000+00	3.528-18	.000+00	2.983-20
1.6	4.915-19	9.461-10	8.731-21	3.434-10	5.276-23	.000+00	2.436-18	.000+00	2.472-20
1.8	6.654-19	8.411-10	5.754-21	3.578-10	3.764-23	.000+00	1.746-18	.000+00	2.070-20
2.0	9.552-19	7.845-10	3.809-21	3.882-10	2.836-23	.000+00	1.325-18	.000+00	1.756-20
2.2	1.507-18	7.875-10	2.536-21	4.500-10	2.324-23	.000+00	1.097-18	.000+00	1.519-20
2.4	2.759-18	8.852-10	1.703-21	5.795-10	2.170-23	.000+00	1.040-18	.000+00	1.350-20

T= 2000

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	9.804-16	.000+00	.000+00	9.013-03	3.453-01	7.703-03	3.008-10	2.474-05
-6.8	.000+00	4.384-16	.000+00	.000+00	3.986-03	3.455-01	7.707-03	1.898-10	2.476-05
-6.6	.000+00	1.960-16	.000+00	.000+00	3.168-03	3.453-01	7.711-03	1.199-10	2.477-05
-6.4	.000+00	8.770-17	.000+00	.000+00	2.518-03	3.452-01	7.715-03	7.574-11	2.478-05
-6.2	.000+00	3.924-17	.000+00	.000+00	2.001-03	3.450-01	7.718-03	4.785-11	2.479-05
-6.0	.000+00	1.757-17	.000+00	.000+00	1.591-03	3.447-01	7.721-03	3.024-11	2.480-05
-5.8	.000+00	7.873-18	.000+00	.000+00	1.264-03	3.442-01	7.725-03	1.913-11	2.481-05
-5.6	.000+00	3.532-18	.000+00	.000+00	1.005-03	3.435-01	7.730-03	1.210-11	2.483-05
-5.4	.000+00	1.587-18	.000+00	.000+00	7.994-04	3.425-01	7.735-03	7.667-12	2.485-05
-5.2	.000+00	7.149-19	.000+00	.000+00	6.347-04	3.411-01	7.743-03	4.865-12	2.487-05
-5.0	.000+00	3.232-19	.000+00	.000+00	5.047-04	3.390-01	7.753-03	3.094-12	2.490-05
-4.8	.000+00	1.468-19	.000+00	.000+00	4.015-04	3.359-01	7.768-03	1.975-12	2.495-05
-4.6	.000+00	6.721-20	.000+00	.000+00	3.196-04	3.318-01	7.789-03	1.266-12	2.502-05
-4.4	.000+00	3.107-20	.000+00	.000+00	2.547-04	3.254-01	7.818-03	8.178-13	2.511-05
-4.2	.000+00	1.457-20	.000+00	.000+00	2.032-04	3.168-01	7.859-03	5.327-13	2.524-05
-4.0	.000+00	6.954-21	.000+00	.000+00	1.624-04	3.052-01	7.913-03	3.511-13	2.542-05
-3.8	.000+00	3.392-21	.000+00	.000+00	1.300-04	2.901-01	7.983-03	2.348-13	2.566-05
-3.6	.000+00	1.696-21	.000+00	.000+00	1.043-04	2.715-01	8.070-03	1.594-13	2.592-05
-3.4	.000+00	8.698-22	.000+00	.000+00	8.365-05	2.496-01	8.173-03	1.100-13	2.625-05
-3.2	.000+00	4.570-22	.000+00	.000+00	6.747-05	2.254-01	8.286-03	7.696-14	2.661-05
-3.0	.000+00	2.452-22	.000+00	.000+00	5.432-05	1.998-01	8.405-03	5.449-14	2.700-05
-2.8	.000+00	1.337-22	.000+00	.000+00	4.373-05	1.742-01	8.525-03	3.890-14	2.738-05
-2.6	.000+00	7.379-23	.000+00	.000+00	3.518-05	1.496-01	8.640-03	2.788-14	2.775-05
-2.4	.000+00	4.099-23	.000+00	.000+00	2.828-05	1.267-01	8.747-03	2.000-14	2.810-05
-2.2	.000+00	2.282-23	.000+00	.000+00	2.270-05	1.061-01	8.844-03	1.430-14	2.841-05
-2.0	.000+00	1.269-23	.000+00	.000+00	1.819-05	8.796-02	8.928-03	1.017-14	2.868-05
-1.8	.000+00	7.027-24	.000+00	.000+00	1.457-05	7.235-02	9.001-03	7.174-15	2.891-05
-1.6	.000+00	3.866-24	.000+00	.000+00	1.165-05	5.911-02	9.063-03	5.015-15	2.911-05
-1.4	.000+00	2.111-24	.000+00	.000+00	9.302-06	4.803-02	9.115-03	3.470-15	2.928-05
-1.2	.000+00	1.143-24	.000+00	.000+00	7.422-06	3.885-02	9.158-03	2.376-15	2.942-05
-1.0	.000+00	6.135-25	.000+00	.000+00	5.917-06	3.131-02	9.193-03	1.610-15	2.953-05
-.8	.000+00	3.267-25	.000+00	.000+00	4.714-06	2.516-02	9.222-03	1.080-15	2.962-05
-.6	.000+00	1.726-25	.000+00	.000+00	3.754-06	2.017-02	9.246-03	7.175-16	2.970-05
-.4	.000+00	9.059-26	.000+00	.000+00	2.987-06	1.614-02	9.265-03	4.723-16	2.976-05
-.2	.000+00	4.728-26	.000+00	.000+00	2.376-06	1.289-02	9.280-03	3.093-16	2.981-05
.0	.000+00	2.457-26	.000+00	.000+00	1.889-06	1.029-02	9.292-03	2.010-16	2.985-05
.2	.000+00	1.272-26	.000+00	.000+00	1.501-06	8.198-03	9.302-03	1.298-16	2.988-05
.4	.000+00	6.569-27	.000+00	.000+00	1.193-06	6.526-03	9.310-03	8.342-17	2.990-05
.6	.000+00	3.387-27	.000+00	.000+00	9.468-07	5.190-03	9.316-03	5.335-17	2.992-05
.8	.000+00	1.745-27	.000+00	.000+00	7.509-07	4.123-03	9.322-03	3.396-17	2.994-05
1.0	.000+00	8.978-28	.000+00	.000+00	5.949-07	3.270-03	9.326-03	2.150-17	2.996-05
1.2	.000+00	4.616-28	.000+00	.000+00	4.703-07	2.589-03	9.330-03	1.353-17	2.997-05
1.4	.000+00	2.368-28	.000+00	.000+00	3.707-07	2.043-03	9.333-03	8.438-18	2.998-05
1.6	.000+00	1.210-28	.000+00	.000+00	2.909-07	1.606-03	9.336-03	5.200-18	2.999-05
1.8	.000+00	6.139-29	.000+00	.000+00	2.265-07	1.253-03	9.338-03	3.148-18	2.999-05
2.0	.000+00	3.071-29	.000+00	.000+00	1.744-07	9.677-04	9.342-03	1.853-18	3.001-05
2.2	.000+00	1.502-29	.000+00	.000+00	1.318-07	7.345-04	9.346-03	1.046-18	3.002-05
2.4	.000+00	7.098-30	.000+00	.000+00	9.681-08	5.423-04	9.356-03	5.535-19	3.005-05

T= 2900

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	1.269-06	1.21253+00	7.45239+00	8.66492+00	5.30721+01	-5.89005+00	1.21253+00
-6.8	1.130-06	1.21182+00	7.42679+00	8.63861+00	5.26883+01	-5.69031+00	1.21182+00
-6.6	1.008-06	1.21121+00	7.40575+00	8.61696+00	5.19093+01	-5.49053+00	1.21121+00
-6.4	8.984-07	1.21066+00	7.38806+00	8.59873+00	5.13340+01	-5.29072+00	1.21066+00
-6.2	8.007-07	1.21014+00	7.37266+00	8.58280+00	5.07612+01	-5.09091+00	1.21014+00
-6.0	7.135-07	1.20961+00	7.35850+00	8.56812+00	5.01898+01	-4.89110+00	1.20961+00
-5.8	6.356-07	1.20903+00	7.34450+00	8.55353+00	4.96189+01	-4.69131+00	1.20903+00
-5.6	5.660-07	1.20833+00	7.32938+00	8.53770+00	4.90472+01	-4.49156+00	1.20833+00
-5.4	5.039-07	1.20744+00	7.31152+00	8.51896+00	4.84731+01	-4.29188+00	1.20744+00
-5.2	4.483-07	1.20626+00	7.28878+00	8.49504+00	4.78945+01	-4.09231+00	1.20626+00
-5.0	3.985-07	1.20463+00	7.25817+00	8.46280+00	4.73088+01	-3.89289+00	1.20463+00
-4.8	3.539-07	1.20235+00	7.21557+00	8.41792+00	4.67119+01	-3.69372+00	1.20235+00
-4.6	3.137-07	1.19915+00	7.15546+00	8.35462+00	4.60988+01	-3.49487+00	1.19915+00
-4.4	2.774-07	1.19468+00	7.07087+00	8.26555+00	4.54630+01	-3.29650+00	1.19468+00
-4.2	2.445-07	1.18855+00	6.95382+00	8.14237+00	4.47971+01	-3.09873+00	1.18855+00
-4.0	2.145-07	1.18038+00	6.79677+00	7.97716+00	4.40945+01	-2.90173+00	1.18038+00
-3.8	1.871-07	1.16996+00	6.59490+00	7.76485+00	4.33513+01	-2.70558+00	1.16996+00
-3.6	1.621-07	1.15732+00	6.34868+00	7.50600+00	4.25692+01	-2.51030+00	1.15732+00
-3.4	1.393-07	1.14284+00	6.06536+00	7.20821+00	4.17562+01	-2.31576+00	1.14284+00
-3.2	1.187-07	1.12720+00	5.75800+00	6.88520+00	4.09261+01	-2.12175+00	1.12720+00
-3.0	1.003-07	1.11119+00	5.44255+00	6.55374+00	4.00953+01	-1.92796+00	1.11119+00
-2.8	8.400-09	1.09559+00	5.13431+00	6.22990+00	3.92789+01	-1.73410+00	1.09558+00
-2.6	6.978-09	1.08098+00	4.84539+00	5.92638+00	3.84889+01	-1.53993+00	1.08098+00
-2.4	5.755-08	1.06778+00	4.58368+00	5.65146+00	3.77325+01	-1.34527+00	1.06777+00
-2.2	4.715-08	1.05615+00	4.35304+00	5.40919+00	3.70128+01	-1.15002+00	1.05614+00
-2.0	3.841-08	1.04614+00	4.15419+00	5.20032+00	3.63300+01	-9.54160-01	1.04612+00
-1.8	3.113-08	1.03766+00	3.98566+00	5.02332+00	3.56817+01	-7.57690-01	1.03763+00
-1.6	2.513-08	1.03058+00	3.84477+00	4.87535+00	3.50647+01	-5.60670-01	1.03054+00
-1.4	2.021-08	1.02474+00	3.72824+00	4.75298+00	3.44749+01	-3.63140-01	1.02468+00
-1.2	1.620-08	1.01996+00	3.63266+00	4.65263+00	3.39086+01	-1.65160-01	1.01987+00
-1.0	1.296-08	1.01610+00	3.55479+00	4.57089+00	3.33619+01	3.31900-02	1.01595+00
-.8	1.033-08	1.01301+00	3.49167+00	4.50468+00	3.28316+01	2.31860-01	1.01277+00
-.6	8.223-09	1.01057+00	3.44074+00	4.45131+00	3.23147+01	4.30820-01	1.01021+00
-.4	6.531-09	1.00872+00	3.39976+00	4.40848+00	3.18088+01	6.30020-01	1.00814+00
-.2	5.176-09	1.00740+00	3.36688+00	4.37428+00	3.13117+01	8.29450-01	1.00648+00
.0	4.094-09	1.00660+00	3.34057+00	4.34717+00	3.08217+01	1.02911+00	1.00515+00
.2	3.232-09	1.00637+00	3.31955+00	4.32592+00	3.03372+01	1.22901+00	1.00408+00
.4	2.546-09	1.00685+00	3.30279+00	4.30964+00	2.98569+01	1.42922+00	1.00322+00
.6	2.002-09	1.00827+00	3.28945+00	4.29773+00	2.93796+01	1.62983+00	1.00252+00
.8	1.572-09	1.01107+00	3.27897+00	4.28994+00	2.89041+01	1.83103+00	1.00196+00
1.0	1.233-09	1.01592+00	3.27053+00	4.28665+00	2.84292+01	2.03311+00	1.00150+00
1.2	9.677-10	1.02396+00	3.26400+00	4.28795+00	2.79531+01	2.23653+00	1.00111+00
1.4	7.613-10	1.03696+00	3.25899+00	4.29595+00	2.74738+01	2.44201+00	1.00078+00
1.6	6.029-10	1.05778+00	3.25529+00	4.31367+00	2.69881+01	2.65065+00	1.00048+00
1.8	4.834-10	1.09031+00	3.25264+00	4.34375+00	2.64915+01	2.86404+00	1.00017+00
2.0	3.964-10	1.14344+00	3.25171+00	4.39515+00	2.59768+01	3.08446+00	9.99820-01
2.2	3.376-10	1.22639+00	3.25229+00	4.47866+00	2.54332+01	3.31488+00	9.99310-01
2.4	3.058-10	1.35638+00	3.25571+00	4.61708+00	2.48441+01	3.55863+00	9.98340-01

T= 3000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.375-01	1.253-05	3.540-04	2.715-04	3.433-09	1.949-12	1.264-11	1.065-12	4.227-12
-6.8	6.391-01	1.986-05	4.464-04	2.718-04	5.446-09	3.093-12	2.007-11	7.559-13	4.744-12
-6.6	6.401-01	3.163-05	5.625-04	2.720-04	8.634-09	7.771-12	3.186-11	5.362-13	5.322-12
-6.4	6.414-01	5.012-05	7.086-04	2.722-04	1.369-08	1.551-11	5.055-11	3.802-13	5.970-12
-6.2	6.422-01	7.937-05	8.923-04	2.724-04	2.169-08	3.093-11	8.016-11	2.695-13	6.694-12
-6.0	6.428-01	1.256-04	1.123-03	2.725-04	3.438-08	6.164-11	1.270-10	1.911-13	7.504-12
-5.8	6.433-01	1.987-04	1.413-03	2.726-04	5.441-08	1.226-10	2.013-10	1.355-13	8.408-12
-5.6	6.437-01	3.140-04	1.777-03	2.728-04	8.613-08	2.442-10	3.186-10	9.604-14	9.414-12
-5.4	6.441-01	4.956-04	2.233-03	2.729-04	1.362-07	4.853-10	5.041-10	6.811-14	1.053-11
-5.2	6.444-01	7.809-04	2.804-03	2.730-04	2.153-07	9.625-10	7.967-10	4.833-14	1.177-11
-5.0	6.446-01	1.227-03	3.516-03	2.731-04	3.398-07	1.904-09	1.258-09	3.432-14	1.312-11
-4.8	6.453-01	1.922-03	4.401-03	2.733-04	5.353-07	3.752-09	1.981-09	2.440-14	1.460-11
-4.6	6.459-01	2.993-03	5.495-03	2.734-04	8.408-07	7.355-09	3.113-09	1.737-14	1.618-11
-4.4	6.468-01	4.627-03	6.837-03	2.735-04	1.315-06	1.431-08	4.874-09	1.240-14	1.783-11
-4.2	6.482-01	7.076-03	8.464-03	2.735-04	2.046-06	2.753-08	7.591-09	8.830-15	1.950-11
-4.0	6.502-01	1.066-02	1.040-02	2.736-04	3.155-06	5.216-08	1.174-08	6.404-15	2.109-11
-3.8	6.531-01	1.573-02	1.267-02	2.737-04	4.811-06	9.634-08	1.798-08	4.645-15	2.248-11
-3.6	6.572-01	2.282-02	1.524-02	2.738-04	7.230-06	1.752-07	2.721-08	3.399-15	2.351-11
-3.4	6.625-01	3.253-02	1.800-02	2.739-04	1.067-05	3.071-07	4.056-08	2.512-15	2.403-11
-3.2	6.690-01	4.242-02	2.105-02	2.718-04	1.561-05	5.195-07	5.945-08	1.878-15	2.393-11
-3.0	6.766-01	5.496-02	2.410-02	2.693-04	2.173-05	8.465-07	8.558-08	1.420-15	2.318-11
-2.8	6.849-01	6.861-02	2.709-02	2.653-04	2.990-05	1.329-06	1.210-07	1.085-15	2.184-11
-2.6	6.935-01	8.269-02	2.993-02	2.593-04	4.011-05	2.015-06	1.681-07	8.365-16	2.004-11
-2.4	7.020-01	9.657-02	3.254-02	2.511-04	5.248-05	2.980-06	2.300-07	6.499-16	1.796-11
-2.2	7.101-01	1.097-01	3.488-02	2.405-04	6.701-05	4.231-06	3.101-07	5.080-16	1.577-11
-2.0	7.175-01	1.217-01	3.693-02	2.275-04	8.357-05	5.906-06	4.132-07	3.989-16	1.360-11
-1.8	7.241-01	1.324-01	3.870-02	2.123-04	1.019-04	8.086-06	5.448-07	3.143-16	1.155-11
-1.6	7.299-01	1.418-01	4.020-02	1.953-04	1.216-04	1.089-05	7.121-07	2.484-16	9.694-12
-1.4	7.348-01	1.497-01	4.145-02	1.772-04	1.422-04	1.448-05	9.242-07	1.967-16	8.055-12
-1.2	7.390-01	1.564-01	4.249-02	1.583-04	1.630-04	1.904-05	1.192-06	1.561-16	6.639-12
-1.0	7.425-01	1.620-01	4.335-02	1.395-04	1.835-04	2.483-05	1.531-06	1.240-16	5.438-12
-.8	7.453-01	1.666-01	4.405-02	1.212-04	2.031-04	3.215-05	1.958-06	9.867-17	4.433-12
-.6	7.477-01	1.704-01	4.461-02	1.039-04	2.215-04	4.140-05	2.496-06	7.863-17	3.601-12
-.4	7.496-01	1.735-01	4.507-02	8.813-05	2.382-04	5.309-05	3.174-06	6.275-17	2.918-12
-.2	7.511-01	1.760-01	4.543-02	7.393-05	2.531-04	6.784-05	4.028-06	5.017-17	2.361-12
.0	7.524-01	1.779-01	4.573-02	6.144-05	2.662-04	8.651-05	5.104-06	4.019-17	1.910-12
.2	7.534-01	1.795-01	4.598-02	5.065-05	2.775-04	1.101-04	6.458-06	3.227-17	1.545-12
.4	7.542-01	1.808-01	4.614-02	4.146-05	2.870-04	1.402-04	8.163-06	2.599-17	1.251-12
.6	7.548-01	1.818-01	4.629-02	3.373-05	2.951-04	1.785-04	1.031-05	2.100-17	1.015-12
.8	7.554-01	1.826-01	4.640-02	2.728-05	3.018-04	2.280-04	1.301-05	1.703-17	8.265-13
1.0	7.558-01	1.832-01	4.647-02	2.195-05	3.073-04	2.924-04	1.641-05	1.389-17	6.754-13
1.2	7.561-01	1.837-01	4.653-02	1.757-05	3.119-04	3.782-04	2.068-05	1.140-17	5.547-13
1.4	7.564-01	1.840-01	4.655-02	1.398-05	3.156-04	4.959-04	2.606-05	9.426-18	4.596-13
1.6	7.566-01	1.842-01	4.654-02	1.104-05	3.187-04	6.646-04	3.283-05	7.875-18	3.824-13
1.8	7.568-01	1.843-01	4.648-02	8.622-06	3.213-04	9.227-04	4.132-05	6.668-18	3.225-13
2.0	7.570-01	1.842-01	4.636-02	6.635-06	3.234-04	1.354-03	5.198-05	5.752-18	2.761-13
2.2	7.571-01	1.838-01	4.613-02	4.993-06	3.252-04	2.170-03	6.529-05	5.099-18	2.415-13
2.4	7.572-01	1.826-01	4.569-02	3.635-06	3.269-04	3.984-03	8.176-05	4.705-18	2.175-13

T= 3000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.131-28	2.156-06	1.696-13	5.701-13	8.930-13	.000+00	7.372-10	.000+00	1.450-14
-6.8	1.373-27	1.924-06	1.202-13	8.173-13	5.041-13	.000+00	1.680-10	.000+00	1.027-14
-6.6	3.075-27	1.717-06	8.515-14	1.155-12	2.839-13	.000+00	1.190-10	.000+00	7.278-15
-6.4	6.881-27	1.531-06	6.033-14	1.632-12	1.598-13	.000+00	8.424-11	.000+00	5.156-15
-6.2	1.539-26	1.365-06	4.274-14	2.304-12	8.997-14	.000+00	5.964-11	.000+00	3.653-15
-6.0	3.439-26	1.217-06	3.029-14	3.253-12	5.065-14	.000+00	4.222-11	.000+00	2.589-15
-5.8	7.680-26	1.084-06	2.146-14	4.588-12	2.852-14	.000+00	2.989-11	.000+00	1.835-15
-5.6	1.713-25	9.662-07	1.521-14	6.468-12	1.606-14	.000+00	2.115-11	.000+00	1.301-15
-5.4	3.814-25	8.606-07	1.079-14	9.109-12	9.048-15	.000+00	1.497-11	.000+00	9.225-16
-5.2	8.475-25	7.663-07	7.654-15	1.281-11	5.100-15	.000+00	1.059-11	.000+00	6.546-16
-5.0	1.877-24	6.819-07	5.434-15	1.799-11	2.877-15	.000+00	7.484-12	.000+00	4.650-16
-4.8	4.137-24	6.064-07	3.863-15	2.518-11	1.625-15	.000+00	5.288-12	.000+00	3.308-16
-4.6	9.057-24	5.387-07	2.750-15	3.512-11	9.196-16	.000+00	3.733-12	.000+00	2.357-16
-4.4	1.966-23	4.779-07	1.962-15	4.870-11	5.218-16	.000+00	2.632-12	.000+00	1.685-16
-4.2	4.199-23	4.231-07	1.404-15	6.700-11	2.972-16	.000+00	1.852-12	.000+00	1.209-16
-4.0	8.807-23	3.734-07	1.009-15	9.117-11	1.702-16	.000+00	1.299-12	.000+00	8.719-17
-3.8	1.800-22	3.284-07	7.284-16	1.227-10	9.813-17	.000+00	9.081-13	.000+00	6.335-17
-3.6	3.560-22	2.872-07	5.294-16	1.607-10	5.709-17	.000+00	6.316-13	.000+00	4.643-17
-3.4	6.767-22	2.497-07	3.873-16	2.066-10	3.356-17	.000+00	4.365-13	.000+00	3.440-17
-3.2	1.230-21	2.154-07	2.853-16	2.586-10	1.995-17	.000+00	2.995-13	.000+00	2.577-17
-3.0	2.131-21	1.844-07	2.113-16	3.149-10	1.199-17	.000+00	2.038-13	.000+00	1.952-17
-2.8	3.525-21	1.564-07	1.571-16	3.729-10	7.284-18	.000+00	1.375-13	.000+00	1.494-17
-2.6	5.580-21	1.316-07	1.170-16	4.301-10	4.465-18	.000+00	9.194-14	.000+00	1.154-17
-2.4	8.490-21	1.098-07	8.691-17	4.844-10	2.758-18	.000+00	6.099-14	.000+00	8.980-18
-2.2	1.248-20	9.095-08	6.432-17	5.342-10	1.713-18	.000+00	4.015-14	.000+00	7.028-18
-2.0	1.782-20	7.484-08	4.728-17	5.785-10	1.069-18	.000+00	2.626-14	.000+00	5.525-18
-1.8	2.484-20	6.124-08	3.446-17	6.170-10	6.696-19	.000+00	1.708-14	.000+00	4.358-18
-1.6	3.391-20	4.987-08	2.486-17	6.496-10	4.205-19	.000+00	1.105-14	.000+00	3.447-18
-1.4	4.554-20	4.045-08	1.773-17	6.768-10	2.646-19	.000+00	7.123-15	.000+00	2.731-18
-1.2	6.034-20	3.271-08	1.250-17	6.988-10	1.668-19	.000+00	4.577-15	.000+00	2.168-18
-1.0	7.904-20	2.639-08	8.709-18	7.163-10	1.053-19	.000+00	2.934-15	.000+00	1.723-18
-.8	1.026-19	2.126-08	5.998-18	7.297-10	6.659-20	.000+00	1.878-15	.000+00	1.372-18
-.6	1.322-19	1.711-08	4.087-18	7.395-10	4.216-20	.000+00	1.200-15	.000+00	1.093-18
-.4	1.691-19	1.376-08	2.759-18	7.461-10	2.674-20	.000+00	7.672-16	.000+00	8.728-19
-.2	2.153-19	1.108-08	1.846-18	7.498-10	1.700-20	.000+00	4.905-16	.000+00	6.979-19
.0	2.729-19	8.922-09	1.227-18	7.509-10	1.083-20	.000+00	3.140-16	.000+00	5.591-19
.2	3.446-19	7.200-09	8.114-19	7.496-10	6.915-21	.000+00	2.013-16	.000+00	4.489-19
.4	4.337-19	5.827-09	5.343-19	7.466-10	4.434-21	.000+00	1.295-16	.000+00	3.614-19
.6	5.449-19	4.734-09	3.509-19	7.416-10	2.856-21	.000+00	8.365-17	.000+00	2.919-19
.8	6.840-19	3.867-09	2.303-19	7.359-10	1.852-21	.000+00	5.435-17	.000+00	2.367-19
1.0	8.601-19	3.183-09	1.511-19	7.303-10	1.211-21	.000+00	3.561-17	.000+00	1.928-19
1.2	1.087-18	2.647-09	9.925-20	7.265-10	8.011-22	.000+00	2.360-17	.000+00	1.580-19
1.4	1.388-18	2.235-09	6.537-20	7.274-10	5.388-22	.000+00	1.591-17	.000+00	1.303-19
1.6	1.809-18	1.927-09	4.318-20	7.376-10	3.712-22	.000+00	1.099-17	.000+00	1.084-19
1.8	2.439-18	1.715-09	2.866-20	7.654-10	2.649-22	.000+00	7.876-18	.000+00	9.117-20
2.0	3.483-18	1.600-09	1.912-20	8.258-10	1.994-22	.000+00	5.963-18	.000+00	7.782-20
2.2	5.453-18	1.604-09	1.285-20	9.500-10	1.629-22	.000+00	4.913-18	.000+00	6.782-20
2.4	9.875-18	1.797-09	8.746-21	1.210-09	1.510-22	.000+00	4.614-18	.000+00	6.097-20

T= 3000

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	1.190-14	.000+00	8.840-27	9.561-03	3.446-01	7.685-03	1.317-09	2.404-05
-6.8	.000+00	5.321-15	.000+00	6.264-27	7.608-03	3.448-01	7.693-03	8.322-10	[illegible]
-6.6	.000+00	2.378-15	.000+00	4.438-27	6.052-03	3.450-01	7.699-03	5.257-10	2.413-05
-6.4	.000+00	1.064-15	.000+00	3.144-27	4.813-03	3.450-01	7.705-03	3.321-10	2.475-05
-6.2	.000+00	4.760-16	.000+00	2.228-27	3.826-03	3.450-01	7.710-03	2.094-10	2.476-05
-6.0	.000+00	2.130-16	.000+00	1.579-27	3.042-03	3.449-01	7.714-03	1.326-10	2.478-05
-5.8	.000+00	9.537-17	.000+00	1.119-27	2.418-03	3.446-01	7.718-03	8.379-11	2.479-05
-5.6	.000+00	4.273-17	.000+00	7.931-28	1.922-03	3.442-01	7.722-03	5.298-11	2.480-05
-5.4	.000+00	1.916-17	.000+00	5.625-28	1.527-03	3.436-01	7.727-03	3.352-11	2.482-05
-5.2	.000+00	8.607-18	.000+00	3.992-28	1.214-03	3.427-01	7.733-03	2.123-11	2.494-05
-5.0	.000+00	3.874-18	.000+00	2.830-28	9.650-04	3.414-01	7.740-03	1.347-11	2.486-05
-4.8	.000+00	1.748-18	.000+00	2.017-28	7.672-04	3.396-01	7.749-03	8.557-12	2.489-05
-4.6	.000+00	7.930-19	.000+00	1.437-28	6.103-04	3.369-01	7.762-03	5.454-12	2.493-05
-4.4	.000+00	3.619-19	.000+00	1.027-28	4.857-04	3.332-01	7.781-03	3.491-12	2.499-05
-4.2	.000+00	1.666-19	.000+00	7.336-29	3.868-04	3.278-01	7.806-03	2.247-12	2.507-05
-4.0	.000+00	7.766-20	.000+00	5.316-29	3.084-04	3.203-01	7.842-03	1.459-12	2.519-05
-3.8	.000+00	3.678-20	.000+00	3.863-29	2.463-04	3.100-01	7.890-03	9.568-13	2.534-05
-3.6	.000+00	1.778-20	.000+00	2.831-29	1.970-04	2.955-01	7.953-03	6.359-13	2.555-05
-3.4	.000+00	8.795-21	.000+00	2.097-29	1.579-04	2.754-01	8.033-03	4.290-13	2.580-05
-3.2	.000+00	4.463-21	.000+00	1.571-29	1.268-04	2.590-01	8.129-03	2.941-13	2.611-05
-3.0	.000+00	2.322-21	.000+00	1.190-29	1.020-04	2.357-01	8.237-03	2.047-13	2.646-05
-2.8	.000+00	1.236-21	.000+00	9.111-30	8.207-05	2.107-01	8.355-03	1.444-13	2.683-05
-2.6	.000+00	6.705-22	.000+00	7.037-30	6.607-05	1.850-01	8.474-03	1.028-13	2.722-05
-2.4	.000+00	3.688-22	.000+00	5.476-30	5.317-05	1.559-01	8.592-03	7.369-14	2.760-05
-2.2	.000+00	2.047-22	.000+00	4.286-30	4.275-05	1.363-01	8.702-03	5.293-14	2.795-05
-2.0	.000+00	1.141-22	.000+00	3.369-30	3.433-05	1.147-01	8.803-03	3.794-14	2.828-05
-1.8	.000+00	6.366-23	.000+00	2.658-30	2.753-05	9.550-02	8.893-03	2.713-14	2.856-05
-1.6	.000+00	3.541-23	.000+00	2.102-30	2.205-05	7.883-02	8.971-03	1.925-14	2.881-05
-1.4	.000+00	1.960-23	.000+00	1.665-30	1.764-05	6.459-02	9.038-03	1.364-14	2.903-05
-1.2	.000+00	1.077-23	.000+00	1.322-30	1.410-05	5.260-02	9.094-03	9.633-15	2.921-05
-1.0	.000+00	5.870-24	.000+00	1.051-30	1.125-05	4.263-02	9.140-03	6.802-15	2.936-05
-.8	.000+00	3.173-24	.000+00	8.362-31	8.973-06	3.441-02	9.179-03	4.834-15	2.948-05
-.6	.000+00	1.701-24	.000+00	6.663-31	7.150-06	2.769-02	9.210-03	2.993-15	2.958-05
-.4	.000+00	9.050-25	.000+00	5.317-31	5.694-06	2.222-02	9.236-03	2.000-15	2.967-05
-.2	.000+00	4.742-25	.000+00	4.249-31	4.532-06	1.779-02	9.257-03	1.325-15	2.973-05
.0	.000+00	2.512-25	.000+00	3.400-31	3.605-06	1.422-02	9.274-03	8.700-16	2.979-05
.2	.000+00	1.313-25	.000+00	2.726-31	2.866-06	1.135-02	9.287-03	5.673-16	2.983-05
.4	.000+00	6.834-26	.000+00	2.189-31	2.277-06	9.046-03	9.298-03	3.674-16	2.987-05
.6	.000+00	3.553-26	.000+00	1.761-31	1.808-06	7.201-03	9.307-03	2.365-16	2.989-05
.8	.000+00	1.842-26	.000+00	1.420-31	1.435-06	5.724-03	9.314-03	1.514-16	2.992-05
1.0	.000+00	9.541-27	.000+00	1.145-31	1.137-06	4.543-03	9.320-03	9.627-17	2.994-05
1.2	.000+00	4.934-27	.000+00	9.239-32	8.988-07	3.598-03	9.325-03	6.079-17	2.995-05
1.4	.000+00	2.547-27	.000+00	7.438-32	7.096-07	2.841-03	9.329-03	3.804-17	2.996-05
1.6	.000+00	1.310-27	.000+00	5.954-32	5.560-07	2.234-03	9.333-03	2.351-17	2.998-05
1.8	.000+00	6.687-28	.000+00	4.711-32	4.331-07	1.744-03	9.336-03	1.426-17	2.999-05
2.0	.000+00	3.372-28	.000+00	3.651-32	3.335-07	1.347-03	9.340-03	8.415-18	3.000-05
2.2	.000+00	1.666-28	.000+00	2.732-32	2.521-07	1.023-03	9.346-03	4.760-18	3.002-05
2.4	.000+00	7.973-29	.000+00	1.931-32	1.853-07	7.552-04	9.355-03	2.527-18	3.005-05

T= 3000

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	2.156-06	1.21537+00	7.42052+00	8.63589+00	5.32925+01	-5.87432+00	1.21537+00
-6.8	1.924-06	1.21411+00	7.37473+00	8.58884+00	5.26873+01	-5.67477+00	1.21411+00
-6.6	1.717-06	1.21308+00	7.33785+00	8.55093+00	5.20916+01	-5.47513+00	1.21308+00
-6.4	1.531-06	1.21222+00	7.30789+00	8.52011+00	5.15032+01	-5.27544+00	1.21222+00
-6.2	1.365-06	1.21147+00	7.28323+00	8.49470+00	5.09204+01	-5.07571+00	1.21167+00
-6.0	1.217-06	1.21080+00	7.26244+00	8.47324+00	5.03419+01	-4.87595+00	1.21080+00
-5.8	1.084-06	1.21016+00	7.24426+00	8.45442+00	4.97663+01	-4.67618+00	1.21016+00
-5.6	9.663-07	1.20950+00	7.22746+00	8.43696+00	4.91923+01	-4.47642+00	1.20950+00
-5.4	8.607-07	1.20876+00	7.21074+00	8.41951+00	4.86188+01	-4.27668+00	1.20876+00
-5.2	7.663-07	1.20789+00	7.19257+00	8.40046+00	4.80442+01	-4.07700+00	1.20789+00
-5.0	6.819-07	1.20677+00	7.17104+00	8.37780+00	4.74666+01	-3.87740+00	1.20677+00
-4.8	6.064-07	1.20528+00	7.14357+00	8.34985+00	4.68837+01	-3.67796+00	1.20528+00
-4.6	5 387-07	1.20325+00	7.10669+00	8.31094+00	4.62922+01	-3.47867+00	1.20325+00
-4.4	4.779-07	1.20042+00	7.05570+00	8.25612+00	4.56877+01	-3.27969+00	1.20042+00
-4.2	4.230-07	1.19649+00	6.98452+00	8.18101+00	4.50646+01	-3.08112+00	1.19649+00
-4.0	3.734-07	1.19108+00	6.88589+00	8.07697+00	4.44162+01	-2.88308+00	1.19108+00
-3.8	3.283-07	1.18381+00	6.75224+00	7.93605+00	4.37356+01	-2.68574+00	1.18381+00
-3.6	2.871-07	1.17438+00	6.57753+00	7.75192+00	4.30179+01	-2.48922+00	1.17438+00
-3.4	2.495-07	1.16271+00	6.35975+00	7.52245+00	4.22618+01	-2.29355+00	1.16271+00
-3.2	2.152-07	1.14901+00	6.10283+00	7.25185+00	4.14725+01	-2.09870+00	1.14901+00
-3.0	1.841-07	1.13385+00	5.81696+00	6.95081+00	4.06610+01	-1.90447+00	1.13385+00
-2.8	1.561-07	1.11796+00	5.51647+00	6.63443+00	3.98420+01	-1.71060+00	1.11796+00
-2.6	1.312-07	1.10215+00	5.21657+00	6.31872+00	3.90309+01	-1.51678+00	1.10215+00
-2.4	1.093-07	1.08710+00	4.93038+00	6.01746+00	3.82406+01	-1.32276+00	1.08709+00
-2.2	9.043-08	1.07329+00	4.66729+00	5.74057+00	3.74802+01	-1.12831+00	1.07328+00
-2.0	7.427-08	1.06099+00	4.43266+00	5.49365+00	3.67542+01	-9.33310-01	1.06097+00
-1.8	6.063-08	1.05030+00	4.22844+00	5.27874+00	3.60639+01	-7.37710-01	1.05027+00
-1.6	4.923-08	1.04118+00	4.05407+00	5.09525+00	3.54080+01	-5.41500-01	1.04114+00
-1.4	3.978-08	1.03353+00	3.90743+00	4.94095+00	3.47837+01	-3.44700-01	1.03347+00
-1.2	3.202-08	1.02719+00	3.78556+00	4.81275+00	3.41874+01	-1.47360-01	1.02709+00
-1.0	2.568-08	1.02199+00	3.68524+00	4.70724+00	3.36152+01	5.04200-02	1.02185+00
-.8	2.053-08	1.01779+00	3.60327+00	4.62106+00	3.30636+01	2.48630-01	1.01756+00
-.6	1.637-08	1.01444+00	3.53667+00	4.55111+00	3.25291+01	4.47200-01	1.01407+00
-.4	1.302-08	1.01183+00	3.48283+00	4.49466+00	3.20087+01	6.46080-01	1.01125+00
-.2	1.033-08	1.00990+00	3.43965+00	4.44934+00	3.14999+01	8.45250-01	1.00898+00
.0	8.173-09	1.00860+00	3.40461+00	4.41321+00	3.10003+01	1.04469+00	1.00715+00
.2	6.452-09	1.00797+00	3.37670+00	4.38467+00	3.05081+01	1.24442+00	1.00568+00
.4	5.082-09	1.00812+00	3.35440+00	4.36252+00	3.00216+01	1.44449+00	1.00449+00
.6	3.993-09	1.00929+00	3.33661+00	4.34590+00	2.95393+01	1.64499+00	1.00354+00
.8	3.132-09	1.01187+00	3.32247+00	4.33434+00	2.90598+01	1.84610+00	1.00276+00
1.0	2.453-09	1.01655+00	3.31128+00	4.32783+00	2.85817+01	2.04811+00	1.00213+00
1.2	1.921-09	1.02445+00	3.30249+00	4.32694+00	2.81031+01	2.25147+00	1.00161+00
1.4	1.508-09	1.03734+00	3.29570+00	4.33304+00	2.76218+01	2.45689+00	1.00117+00
1.6	1.190-09	1.05817+00	3.29066+00	4.34869+00	2.71346+01	2.66548+00	1.00077+00
1.8	9.499-10	1.09100+00	3.28715+00	4.37823+00	2.66369+01	2.87883+00	1.00039+00
2.0	7.746-10	1.14349+00	3.28532+00	4.42481+00	2.61214+01	3.09921+00	9.99970-01
2.2	6.547-10	1.22627+00	3.28552+00	4.51178+00	2.55774+01	3.32956+00	9.99400-01
2.4	5.869-10	1.35536+00	3.28891+00	4.64486+00	2.49884+01	3.57322+00	9.98350-01

T= 3100

LOG Z	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.310-01	6.674-06	2.879-06	2.704-04	1.788-09	1.094-12	1.029-11	4.729-12	6.534-12
-6.8	6.339-01	1.059-05	3.635-04	2.709-04	2.828-09	2.198-12	1.698-11	3.362-12	7.337-12
-6.6	6.363-01	1.673-05	4.586-04	2.713-04	4.483-09	4.377-12	2.605-11	2.388-12	8.236-12
-6.4	6.381-01	2.664-05	5.783-04	2.717-04	7.111-09	8.746-12	4.140-11	1.695-12	9.249-12
-6.2	6.396-01	4.222-05	7.289-04	2.719-04	1.127-08	1.746-11	6.573-11	1.203-12	1.037-11
-6.0	6.407-01	6.688-05	9.182-04	2.721-04	1.787-08	3.483-11	1.045-10	8.530-13	1.163-11
-5.8	6.416-01	1.059-04	1.156-03	2.723-04	2.832-08	6.949-11	1.654-10	6.049-13	1.304-11
-5.6	6.424-01	1.675-04	1.455-03	2.725-04	4.488-08	1.383-10	2.621-10	4.290-13	1.461-11
-5.4	6.430-01	2.648-04	1.830-03	2.726-04	7.101-08	2.754-10	4.151-10	3.042-13	1.636-11
-5.2	6.435-01	4.180-04	2.301-03	2.728-04	1.123-07	5.473-10	6.568-10	2.158-13	1.831-11
-5.0	6.439-01	6.589-04	2.889-03	2.729-04	1.776-07	1.086-09	1.038-09	1.531-13	2.046-11
-4.8	6.443-01	1.036-03	3.624-03	2.731-04	2.804-07	2.150-09	1.640-09	1.087-13	2.284-11
-4.6	6.446-01	1.624-03	4.539-03	2.732-04	4.420-07	4.241-09	2.589-09	7.725-14	2.542-11
-4.4	6.453-01	2.534-03	5.672-03	2.734-04	6.969-07	8.328-09	4.065-09	5.498-14	2.820-11
-4.2	6.441-01	3.927-03	7.065-03	2.736-04	1.089-06	1.624-08	6.371-09	3.923-14	3.114-11
-4.0	6.473-01	6.026-03	8.761-03	2.738-04	1.696-06	3.135-08	9.960-09	2.808-14	3.414-11
-3.8	6.490-01	9.123-03	1.079-02	2.740-04	2.625-06	5.972-08	1.541-08	2.019-14	3.707-11
-3.6	6.516-01	1.356-02	1.319-02	2.742-04	4.018-06	1.117-07	2.367-08	1.461-14	3.972-11
-3.4	6.551-01	1.968-02	1.593-02	2.742-04	6.074-06	2.038-07	3.596-08	1.065-14	4.182-11
-3.2	6.598-01	2.774-02	1.896-02	2.739-04	9.024-06	3.612-07	5.389-08	7.847-15	4.309-11
-3.0	6.657-01	3.770-02	2.225-02	2.729-04	1.314-05	6.187-07	7.944-09	5.843-15	4.332-11
-2.8	6.728-01	4.960-02	2.562-02	2.711-04	1.870-05	1.021-06	1.151-07	4.400-15	4.237-11
-2.6	6.807-01	6.272-02	2.898-02	2.678-04	2.598-05	1.624-06	1.637-07	3.350-15	4.031-11
-2.4	6.891-01	7.651-02	3.221-02	2.628-04	3.520-05	2.492-06	2.287-07	2.575-15	3.734-11
-2.2	6.975-01	9.032-02	3.521-02	2.557-04	4.651-05	3.700-06	3.145-07	1.985-15	3.375-11
-2.0	7.056-01	1.036-01	3.792-02	2.462-04	5.999-05	5.337-06	4.261-07	1.557-15	2.985-11
-1.8	7.131-01	1.158-01	4.031-02	2.343-04	7.556-05	7.510-06	5.699-07	1.221-15	2.591-11
-1.6	7.198-01	1.269-01	4.239-02	2.201-04	9.304-05	1.035-05	7.540-07	9.613-16	2.213-11
-1.4	7.258-01	1.366-01	4.416-02	2.040-04	1.121-04	1.402-05	9.884-07	7.594-16	1.866-11
-1.2	7.309-01	1.449-01	4.565-02	1.863-04	1.322-04	1.872-05	1.286-06	6.014-16	1.557-11
-1.0	7.353-01	1.520-01	4.689-02	1.677-04	1.530-04	2.471-05	1.662-06	4.773-16	1.288-11
-.8	7.389-01	1.578-01	4.790-02	1.488-04	1.736-04	3.231-05	2.137-06	3.795-16	1.059-11
-.6	7.420-01	1.627-01	4.874-02	1.301-04	1.937-04	4.195-05	2.737-06	3.023-16	8.659-12
-.4	7.444-01	1.667-01	4.942-02	1.123-04	2.127-04	5.413-05	3.493-06	2.412-16	7.056-12
-.2	7.465-01	1.700-01	4.996-02	9.578-05	2.303-04	6.953-05	4.465-06	1.929-16	5.736-12
.0	7.481-01	1.726-01	5.040-02	8.075-05	2.461-04	8.902-05	5.645-06	1.546-16	4.657-12
.2	7.494-01	1.747-01	5.075-02	6.740-05	2.601-04	1.137-04	7.155-06	1.242-16	3.781-12
.4	7.505-01	1.764-01	5.103-02	5.575-05	2.722-04	1.451-04	9.057-06	1.001-16	3.072-12
.6	7.514-01	1.778-01	5.125-02	4.577-05	2.826-04	1.852-04	1.145-05	8.095-17	2.500-12
.8	7.520-01	1.789-01	5.142-02	3.730-05	2.914-04	2.368-04	1.446-05	6.577-17	2.041-12
1.0	7.526-01	1.797-01	5.155-02	3.021-05	2.988-04	3.042-04	1.826-05	5.373-17	1.673-12
1.2	7.530-01	1.803-01	5.163-02	2.430-05	3.050-04	3.939-04	2.303-05	4.418-17	1.378-12
1.4	7.534-01	1.808-01	5.168-02	1.942-05	3.100-04	5.168-04	2.903-05	3.664-17	1.143-12
1.6	7.537-01	1.812-01	5.169-02	1.538-05	3.142-04	6.931-04	3.657-05	3.071-17	9.570-13
1.8	7.540-01	1.813-01	5.164-02	1.206-05	3.177-04	9.626-04	4.604-05	2.611-17	8.108-13
2.0	7.542-01	1.813-01	5.151-02	9.304-06	3.206-04	1.413-03	5.790-05	2.265-17	6.982-13
2.2	7.544-01	1.809-01	5.126-02	7.019-06	3.231-04	2.265-03	7.271-05	2.022-17	6.151-13

T= 3100

LOG Z	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.721-28	3.540-06	6.183-13	7.534-13	6.383-12	.000+00	8.221-10	.000+00	6.605-14
-6.8	2.180-27	3.162-06	4.366-13	1.066-12	3.598-12	.000+00	5.826-10	.000+00	4.692-14
-6.6	4.887-27	2.824-06	3.106-13	1.509-12	2.028-12	.000+00	4.128-10	.000+00	3.318-14
-6.4	1.095-26	2.520-06	2.202-13	2.133-12	1.143-12	.000+00	2.924-10	.000+00	2.351-14
-6.2	2.451-26	2.249-06	1.560-13	3.015-12	6.436-13	.000+00	2.071-10	.000+00	1.666-14
-6.0	5.483-26	2.006-06	1.105-13	4.259-12	3.625-13	.000+00	1.466-10	.000+00	1.181-14
-5.8	1.226-25	1.788-06	7.833-14	6.013-12	2.041-13	.000+00	1.038-10	.000+00	8.360-15
-5.6	2.736-25	1.594-06	5.552-14	8.484-12	1.149-13	.000+00	7.350-11	.000+00	5.931-15
-5.4	6.109-25	1.421-06	3.935-14	1.196-11	6.474-14	.000+00	5.202-11	.000+00	4.205-15
-5.2	1.361-24	1.266-06	2.791-14	1.685-11	3.667-14	.000+00	3.681-11	.000+00	2.982-15
-5.0	3.025-24	1.127-06	1.980-14	2.371-11	2.056-14	.000+00	2.604-11	.000+00	2.116-15
-4.8	6.705-24	1.003-06	1.406-14	3.331-11	1.159-14	.000+00	1.841-11	.000+00	1.503-15
-4.6	1.480-23	8.923-07	9.988-15	4.667-11	6.547-15	.000+00	1.301-11	.000+00	1.069-15
-4.4	3.247-23	7.929-07	7.108-15	6.516-11	3.703-15	.000+00	9.189-12	.000+00	7.611-16
-4.2	7.061-23	7.037-07	5.068-15	9.052-11	2.099-15	.000+00	6.481-12	.000+00	5.435-16
-4.0	1.517-22	6.234-07	3.624-15	1.249-10	1.196-15	.000+00	4.563-12	.000+00	3.895-16
-3.8	3.202-22	5.508-07	2.601-15	1.705-10	6.826-16	.000+00	3.205-12	.000+00	2.804-16
-3.6	6.604-22	4.850-07	1.876-15	2.298-10	3.927-16	.000+00	2.243-12	.000+00	2.033-16
-3.4	1.321-21	4.250-07	1.361-15	3.042-10	2.277-16	.000+00	1.563-12	.000+00	1.486-16
-3.2	2.546-21	3.703-07	9.938-16	3.941-10	1.334-16	.000+00	1.083-12	.000+00	1.096-16
-3.0	4.700-21	3.203-07	7.309-16	4.979-10	7.897-17	.000+00	7.450-13	.000+00	8.183-17
-2.8	8.280-21	2.749-07	5.409-16	6.121-10	4.729-17	.000+00	5.085-13	.000+00	6.176-17
-2.6	1.392-20	2.340-07	4.021-16	7.317-10	2.863-17	.000+00	3.441-13	.000+00	4.712-17
-2.4	2.236-20	1.974-07	2.996-16	8.515-10	1.750-17	.000+00	2.309-13	.000+00	3.629-17
-2.2	3.447-20	1.653-07	2.232-16	9.665-10	1.078-17	.000+00	1.536-13	.000+00	2.818-17
-2.0	5.126-20	1.373-07	1.657-16	1.073-09	6.687-18	.000+00	1.019-13	.000+00	2.202-17
-1.8	7.390-20	1.132-07	1.224-16	1.169-09	4.168-18	.000+00	6.653-14	.000+00	1.729-17
-1.6	1.038-19	9.289-08	8.970-17	1.252-09	2.609-18	.000+00	4.337-14	.000+00	1.363-17
-1.4	1.426-19	7.581-08	6.512-17	1.324-09	1.638-18	.000+00	2.813-14	.000+00	1.078-17
-1.2	1.924-19	6.163-08	4.677-17	1.383-09	1.031-18	.000+00	1.817-14	.000+00	8.541-18
-1.0	2.559-19	4.994-08	3.321-17	1.431-09	6.500-19	.000+00	1.170-14	.000+00	6.783-18
-.8	3.361-19	4.038-08	2.331-17	1.469-09	4.107-19	.000+00	7.517-15	.000+00	5.396-18
-.6	4.370-19	3.259-08	1.618-17	1.497-09	2.600-19	.000+00	4.821-15	.000+00	4.300-18
-.4	5.635-19	2.629-08	1.111-17	1.518-09	1.649-19	.000+00	3.090-15	.000+00	3.432-18
-.2	7.215-19	2.121-08	7.551-18	1.530-09	1.048-19	.000+00	1.980-15	.000+00	2.745-18
.0	9.184-19	1.712-08	5.091-18	1.537-09	6.677-20	.000+00	1.270-15	.000+00	2.200-18
.2	1.163-18	1.384-08	3.408-18	1.537-09	4.267-20	.000+00	8.162-16	.000+00	1.768-18
.4	1.467-18	1.122-08	2.269-18	1.532-09	2.738-20	.000+00	5.259-16	.000+00	1.424-18
.6	1.846-18	9.135-09	1.505-18	1.522-09	1.766-20	.000+00	3.403-16	.000+00	1.152-18
.8	2.318-18	7.475-09	9.963-19	1.510-09	1.146-20	.000+00	2.215-16	.000+00	9.353-19
1.0	2.914-18	6.164-09	6.589-19	1.498-09	7.501-21	.000+00	1.453-16	.000+00	7.633-19
1.2	3.680-18	5.136-09	4.360-19	1.488-09	4.968-21	.000+00	9.649-17	.000+00	6.267-19
1.4	4.693-18	4.343-09	2.891-19	1.487-09	3.345-21	.000+00	6.512-17	.000+00	5.183-19
1.6	6.100-18	3.751-09	1.923-19	1.504-09	2.306-21	.000+00	4.501-17	.000+00	4.326-19
1.8	8.196-18	3.342-09	1.285-19	1.555-09	1.646-21	.000+00	3.224-17	.000+00	3.654-19
2.0	1.164-17	3.119-09	8.645-20	1.669-09	1.238-21	.000+00	2.436-17	.000+00	3.136-19
2.2	1.811-17	3.124-09	5.869-20	1.907-09	1.008-21	.000+00	1.998-17	.000+00	2.754-19

T= 3100

LOG E	A**	C*	C**	NE*	N	C	A	C	NE
-7.0	.000+00	1.227-13	.000+00	8.300-26	1.744-02	3.433-01	7.654-03	5.234-09	2.459-05
-6.8	.000+00	5.491-14	.000+00	3.883-26	1.390-02	3.438-01	7.668-03	3.313-09	2.463-05
-6.6	.000+00	2.456-14	.000+00	1.170-26	1.107-02	3.442-01	7.680-03	2.092-09	2.467-05
-6.4	.000+00	1.099-14	.000+00	2.955-26	8.808-03	3.445-01	7.689-03	1.322-09	2.470-05
-6.2	.000+00	4.915-15	.000+00	2.096-26	7.008-03	3.447-01	7.696-03	8.354-10	2.472-05
-6.0	.000+00	2.199-15	.000+00	1.486-26	5.574-03	3.447-01	7.703-03	5.279-10	2.474-05
-5.8	.000+00	9.840-16	.000+00	1.052-26	4.432-03	3.446-01	7.709-03	3.336-10	2.476-05
-5.6	.000+00	4.404-16	.000+00	7.453-27	3.524-03	3.445-01	7.714-03	2.109-10	2.478-05
-5.4	.000+00	1.974-16	.000+00	5.284-27	2.801-03	3.441-01	7.719-03	1.334-10	2.479-05
-5.2	.000+00	8.851-17	.000+00	3.747-27	2.227-03	3.436-01	7.724-03	8.437-11	2.481-05
-5.0	.000+00	3.976-17	.000+00	2.659-27	1.770-03	3.429-01	7.730-03	5.343-11	2.483-05
-4.8	.000+00	1.788-17	.000+00	1.889-27	1.407-03	3.416-01	7.737-03	3.389-11	2.485-05
-4.6	.000+00	8.066-18	.000+00	1.343-27	1.119-03	3.399-01	7.746-03	2.152-11	2.488-05
-4.4	.000+00	3.653-18	.000+00	9.565-28	8.883e-04	3.375-01	7.758-03	1.370-11	2.492-05
-4.2	.000+00	1.644-18	.000+00	6.830-28	7.060-04	3.341-01	7.775-03	8.761-12	2.497-05
-4.0	.000+00	7.441-19	.000+00	4.994-28	5.637-04	3.292-01	7.799-03	5.631-12	2.505-05
-3.8	.000+00	3.547-19	.000+00	3.524-28	4.493-04	3.225-01	7.831-03	3.645-12	2.515-05
-3.6	.000+00	1.671-19	.000+00	2.554-28	3.586-04	3.132-01	7.875-03	2.383-12	2.529-05
-3.4	.000+00	8.024-20	.000+00	1.867-28	2.867-04	3.006-01	7.933-03	1.577-12	2.548-05
-3.2	.000+00	3.960-20	.000+00	1.378-28	2.299-04	2.949-01	8.007-03	1.059-12	2.572-05
-3.0	.000+00	1.993-20	.000+00	1.028-28	1.842-04	2.656-01	8.097-03	7.222-13	2.601-05
-2.8	.000+00	1.026-20	.000+00	7.761-29	1.490-04	2.433-01	8.202-03	5.005-13	2.634-05
-2.6	.000+00	5.415-21	.000+00	5.921-29	1.191-04	2.184-01	8.316-03	3.517-13	2.671-05
-2.4	.000+00	2.923-21	.000+00	4.560-29	9.587-05	1.934-01	8.435-03	2.500-13	2.709-05
-2.2	.000+00	1.603-21	.000+00	3.541-29	7.715-05	1.691-01	8.554-03	1.791-13	2.747-05
-2.0	.000+00	8.886-22	.000+00	2.767-29	6.204-05	1.459-01	8.667-03	1.287-13	2.784-05
-1.8	.000+00	4.958-22	.000+00	2.173-29	4.984-05	1.216-01	8.771-03	9.257-14	2.817-05
-1.6	.000+00	2.773-22	.000+00	1.713-29	3.999-05	1.016-01	8.864-03	6.636-14	2.847-05
-1.4	.000+00	1.568-22	.000+00	1.354-29	3.204-05	8.413-02	8.946-03	4.730-14	2.873-05
-1.2	.000+00	8.808-23	.000+00	1.073-29	2.564-05	6.911-02	9.014-03	3.344-14	2.896-05
-1.0	.000+00	4.757-23	.000+00	8.521-30	2.049-05	5.640-02	9.076-03	2.342-14	2.915-05
-.8	.000+00	2.609-23	.000+00	6.777-30	1.636-05	4.578-02	9.126-03	1.624-14	2.931-05
-.6	.000+00	1.419-23	.000+00	5.399-30	1.305-05	3.700-02	9.167-03	1.114-14	2.944-05
-.4	.000+00	7.659-24	.000+00	4.308-30	1.040-05	2.980-02	9.201-03	7.557-15	2.955-05
-.2	.000+00	4.102-24	.000+00	3.443-30	8.286-06	2.394-02	9.228-03	5.075-15	2.964-05
.0	.000+00	2.191-24	.000+00	2.757-30	6.595-06	1.918-02	9.250-03	3.375-15	2.971-05
.2	.000+00	1.153-24	.000+00	2.212-30	5.245-06	1.533-02	9.269-03	2.225-15	2.977-05
.4	.000+00	6.056-25	.000+00	1.778-30	4.170-06	1.224-02	9.283-03	1.455-15	2.982-05
.6	.000+00	3.180-25	.000+00	1.432-30	3.312-06	9.756-03	9.295-03	9.443-16	2.986-05
.8	.000+00	1.662-25	.000+00	1.156-30	2.628-06	7.763-03	9.305-03	6.085-16	2.989-05
1.0	.000+00	8.672-26	.000+00	9.343-31	2.083-06	6.166-03	9.313-03	3.893-16	2.991-05
1.2	.000+00	4.516-26	.000+00	7.554-31	1.647-06	4.886-03	9.319-03	2.470-16	2.993-05
1.4	.000+00	2.346-26	.000+00	6.097-31	1.299-06	3.860-03	9.324-03	1.552-16	2.995-05
1.6	.000+00	1.214-26	.000+00	4.897-31	1.019-06	3.036-03	9.329-03	9.622-17	2.997-05
1.8	.000+00	6.244-27	.000+00	3.892-31	7.941-07	2.371-03	9.334-03	5.855-17	2.998-05
2.0	.000+00	3.173-27	.000+00	3.033-31	6.116-07	1.832-03	9.338-03	3.464-17	2.999-05
2.2	.000+00	1.583-27	.000+00	2.286-31	4.625-07	1.391-03	9.344-03	1.965-17	3.001-05

T= 3100

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	3.540-06	1.22025+00	7.46638+00	8.68463+00	5.35818+01	-5.85834+00	1.22025+00
-6.8	3.163-06	1.21802+00	7.38837+00	8.60439+00	5.29604+01	-5.65913+00	1.21802+00
-6.6	2.824-06	1.21622+00	7.32233+00	8.53955+00	5.23159+01	-5.45977+00	1.21622+00
-6.4	2.521-06	1.21476+00	7.27092+00	8.48568+00	5.17047+01	-5.26029+00	1.21476+00
-6.2	2.249-06	1.21357+00	7.22944+00	8.44299+00	5.11041+01	-5.06073+00	1.21355+00
-6.0	2.006-06	1.21253+00	7.19567+00	8.40822+00	5.05117+01	-4.86109+00	1.21253+00
-5.8	1.788-06	1.21165+00	7.16773+00	8.37938+00	4.99256+01	-4.66141+00	1.21165+00
-5.6	1.594-06	1.21084+00	7.14403+00	8.35487+00	4.93441+01	-4.46170+00	1.21084+00
-5.4	1.421-06	1.21006+00	7.12309+00	8.33314+00	4.87657+01	-4.26198+00	1.21006+00
-5.2	1.266-06	1.20924+00	7.10346+00	8.31270+00	4.81890+01	-4.06227+00	1.20924+00
-5.0	1.127-06	1.20832+00	7.08360+00	8.29192+00	4.76125+01	-3.86260+00	1.20832+00
-4.8	1.003-06	1.20720+00	7.06166+00	8.26886+00	4.70343+01	-3.66300+00	1.20720+00
-4.6	8.923-07	1.20577+00	7.03530+00	8.24107+00	4.64524+01	-3.46352+00	1.20577+00
-4.4	7.929-07	1.20386+00	7.00144+00	8.20530+00	4.58636+01	-3.26421+00	1.20386+00
-4.2	7.037-07	1.20125+00	6.95593+00	8.15718+00	4.52643+01	-3.06515+00	1.20125+00
-4.0	6.233-07	1.19766+00	6.89340+00	8.09106+00	4.46494+01	-2.86645+00	1.19766+00
-3.8	5.507-07	1.19274+00	6.80723+00	7.99996+00	4.40127+01	-2.66824+00	1.19274+00
-3.6	4.848-07	1.18609+00	6.69017+00	7.87627+00	4.33478+01	-2.47067+00	1.18609+00
-3.4	4.248-07	1.17740+00	6.53576+00	7.71316+00	4.26491+01	-2.27386+00	1.17740+00
-3.2	3.699-07	1.16649+00	6.34047+00	7.50696+00	4.19141+01	-2.07790+00	1.16649+00
-3.0	3.199-07	1.15347+00	6.10597+00	7.25944+00	4.11453+01	-1.88278+00	1.15347+00
-2.8	2.744-07	1.13878+00	5.83995+00	6.97873+00	4.03514+01	-1.68834+00	1.13878+00
-2.6	2.333-07	1.12312+00	5.55497+00	6.67809+00	3.95456+01	-1.49436+00	1.12311+00
-2.4	1.966-07	1.10726+00	5.26558+00	6.37285+00	3.87427+01	-1.30053+00	1.10725+00
-2.2	1.643-07	1.09194+00	4.98525+00	6.07720+00	3.79560+01	-1.10658+00	1.09193+00
-2.0	1.362-07	1.07771+00	4.72430+00	5.80202+00	3.71955+01	-9.12280-01	1.07770+00
-1.8	1.121-07	1.06492+00	4.48920+00	5.55412+00	3.64671+01	-7.17470-01	1.06489+00
-1.6	9.166-08	1.05371+00	4.28288+00	5.33659+00	3.57730+01	-5.22060-01	1.05367+00
-1.4	7.451-08	1.04409+00	4.10556+00	5.14966+00	3.51127+01	-3.26040-01	1.04403+00
-1.2	6.026-08	1.03599+00	3.95567+00	4.99165+00	3.44839+01	-1.29430-01	1.03589+00
-1.0	4.852-08	1.02925+00	3.83060+00	4.85985+00	3.3863e+01	6.77400-02	1.02910+00
-.8	3.892-08	1.02373+00	3.72730+00	4.75103+00	3.33074+01	2.65400-01	1.02350+00
-.6	3.110-08	1.01927+00	3.64269+00	4.66195+00	3.27524+01	4.63500-01	1.01890+00
-.4	2.478-08	1.01574+00	3.57379+00	4.58954+00	3.22150+01	6.62000-01	1.01516+00
-.2	1.968-08	1.01305+00	3.51801+00	4.53105+00	3.16921+01	8.60850-01	1.01213+00
.0	1.559-08	1.01113+00	3.47301+00	4.48414+00	3.11810+01	1.06002+00	1.00968+00
.2	1.231-08	1.01000+00	3.43684+00	4.44684+00	3.06795+01	1.25954+00	1.00770+00
.4	9.695-09	1.00935+00	3.40784+00	4.41759+00	3.01855+01	1.45943+00	1.00611+00
.6	7.615-09	1.00858+00	3.38466+00	4.39524+00	2.96972+01	1.65979+00	1.00493+00
.8	5.967-09	1.01290+00	3.36619+00	4.37909+00	2.92128+01	1.86078+00	1.00379+00
1.0	4.668-09	1.01737+00	3.35153+00	4.36890+00	2.87308+01	2.06269+00	1.00295+00
1.2	3.649-09	1.02508+00	3.33998+00	4.36506+00	2.82491+01	2.26597+00	1.00225+00
1.4	2.857-09	1.03732+00	3.33100+00	4.36682+00	2.77653+01	2.47134+00	1.00167+00
1.6	2.248-09	1.05841+00	3.32421+00	4.37262+00	2.72763+01	2.67987+00	1.00116+00
1.8	1.788-09	1.09131+00	3.31943+00	4.41073+00	2.67771+01	2.89316+00	1.00069+00
2.0	1.450-09	1.14358+00	3.31664+00	4.44022+00	2.62606+01	3.11346+00	1.00019+00
2.2	1.218-09	1.22617+00	3.31625+00	4.54242+00	2.57160+01	3.34377+00	9.99530-01

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.203-01	3.673-06	2.358-04	2.686-04	9.814-10	6.362-13	8.476-12	1.902-11	9.829-12
-6.8	6.254-01	5.838-06	2.905-04	2.695-04	1.521-09	1.272-12	1.346-11	1.356-11	1.105-11
-6.6	6.296-01	9.271-06	3.776-04	2.702-04	2.420-09	2.548-12	2.147-11	9.655-12	1.261-11
-6.4	6.328-01	1.471-05	4.786-04	2.707-04	3.855-09	5.099-12	3.418-11	6.866-12	1.394-11
-6.2	6.352-01	2.334-05	6.015-04	2.712-04	6.117-09	1.020-11	5.435-11	4.879-12	1.564-11
-6.0	6.372-01	3.700-05	7.506-04	2.715-04	9.702-09	2.037-11	8.641-11	3.464-12	1.755-11
-5.8	6.389-01	5.863-05	9.361-04	2.718-04	1.538-08	4.066-11	1.372-10	2.459-12	1.969-11
-5.6	6.402-01	9.266-05	1.206-03	2.721-04	2.438-08	8.109-11	2.177-10	1.745-12	2.208-11
-5.4	6.412-01	1.469-04	1.516-03	2.723-04	3.863-08	1.616-10	3.452-10	1.238-12	2.474-11
-5.2	6.420-01	2.323-04	1.908-03	2.725-04	6.116-08	3.217-10	5.469-10	8.779-13	2.771-11
-5.0	6.427-01	3.668-04	2.398-03	2.727-04	9.678-08	6.397-10	8.657-10	6.228-13	3.102-11
-4.8	6.432-01	5.783-04	3.013-03	2.728-04	1.530-07	1.270-09	1.369-09	4.420-13	3.467-11
-4.6	6.437-01	9.098-04	3.780-03	2.730-04	2.417-07	2.515-09	2.163-09	3.138-13	3.870-11
-4.4	6.442-01	1.427-03	4.736-03	2.732-04	3.811-07	4.964-09	3.410-09	2.230-13	4.310-11
-4.2	6.448-01	2.228-03	5.921-03	2.734-04	5.995-07	9.756-09	5.365-09	1.587-13	4.785-11
-4.0	6.455-01	3.458-03	7.381-03	2.736-04	9.400-07	1.905-08	8.419-09	1.132-13	5.289-11
-3.8	6.466-01	5.318-03	9.161-03	2.739-04	1.467-06	3.687-08	1.314-08	8.093-14	5.809-11
-3.6	6.481-01	8.079-03	1.130-02	2.742-04	2.274-06	7.045-08	2.040-08	5.813-14	6.322-11
-3.4	6.504-01	1.206-02	1.384-02	2.744-04	3.492-06	1.323-07	3.141-08	4.199-14	6.797-11
-3.2	6.535-01	1.762-02	1.676-02	2.745-04	5.294-06	2.430-07	4.788-08	3.056-14	7.189-11
-3.0	6.578-01	2.507-02	2.004-02	2.746-04	7.907-06	4.340-07	7.104-08	2.245-14	7.452-11
-2.8	6.632-01	3.438-02	2.359-02	2.746-04	1.158-05	7.499-07	1.065-07	1.667-14	7.560-11
-2.6	6.699-01	4.557-02	2.729-02	2.745-04	1.659-05	1.250-06	1.549-07	1.251-14	7.430-11
-2.4	6.774-01	5.819-02	3.102-02	2.696-04	2.321-05	2.006-06	2.213-07	9.500-15	7.122-11
-2.2	6.855-01	7.165-02	3.462-02	2.693-04	3.16 -05	3.107-06	3.107-07	7.285-15	6.665-11
-2.0	6.937-01	8.530-02	3.800-02	2.590-04	4.219-05	4.691-06	4.268-07	5.635-15	6.046-11
-1.8	7.017-01	9.855-02	4.108-02	2.504-04	5.483-05	6.759-06	5.831-07	4.390-15	5.380-11
-1.6	7.093-01	1.109-01	4.382-02	2.394-04	6.959-05	9.571-06	7.824-07	3.436-15	4.694-11
-1.4	7.161-01	1.221-01	4.620-02	2.261-04	8.634-05	1.326-05	1.038-06	2.707-15	4.029-11
-1.2	7.222-01	1.321-01	4.824-02	2.106-04	1.048-04	1.804-05	1.366-06	2.138-15	3.412-11
-1.0	7.276-01	1.406-01	4.996-02	1.934-04	1.245-04	2.418-05	1.777-06	1.694-15	2.857-11
-.8	7.319-01	1.479-01	5.140-02	1.751-04	1.451-04	3.201-05	2.301-06	1.345-15	2.372-11
-.6	7.356-01	1.540-01	5.258-02	1.562-04	1.658-04	4.197-05	2.962-06	1.071-15	1.956-11
-.4	7.387-01	1.591-01	5.355-02	1.376-04	1.861-04	5.459-05	3.797-06	8.540-16	1.605-11
-.2	7.413-01	1.632-01	5.434-02	1.192-04	2.056-04	7.058-05	4.849-06	6.828-16	1.312-11
.0	7.434-01	1.666-01	5.498-02	1.021-04	2.237-04	9.082-05	6.176-06	5.473-16	1.070-11
.2	7.451-01	1.694-01	5.549-02	8.643-05	2.402-04	1.165-04	7.847-06	4.399-16	8.724-12
.4	7.465-01	1.716-01	5.590-02	7.239-05	2.549- 4	1.491-04	9.950-06	3.548-16	7.114-12
.6	7.476-01	1.734-01	5.623-02	6.006-05	2.67 -	1.908-04	1.260-05	2.873-16	5.810-12
.8	7.485-01	1.748-01	5.648-02	4.940-05	2.789-04	2.446-04	1.593-05	2.337-16	4.757-12
1.0	7.492-01	1.759-01	5.667-02	4.031-05	2.884-04	3.147-04	2.013-05	1.913-16	3.911-12
1.2	7.498-01	1.768-01	5.681-02	3.264-05	2.964-04	4.079-04	2.540-05	1.576-16	3.232-12
1.4	7.503-01	1.774-01	5.690-02	2.622-05	3.030-04	5.358-04	3.204-05	1.310-16	2.691-12
1.6	7.507-01	1.779-01	5.693-02	2.087-05	3.086-04	7.191-04	4.038-05	1.101-16	2.261-12
1.8	7.510-01	1.782-01	5.690-02	1.642-05	3.132-04	9.993-04	5.084-05	9.401-17	1.924-12
2.0	7.513-01	1.783-01	5.677-02	1.271-05	3.171-04	1.468-03	6.395-05	8.195-17	1.666-12
2.2	7.516-01	1.780-01	5.650-02	9.618-06	3.205-04	2.352-03	8.026-05	7.365-17	1.478-12

T= 3200

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.491-27	5.610-06	2.060-12	9.605-13	4.014-11	.000+00	2.636-09	.000+00	2.736-13
-6.8	3.350-27	5.022-06	1.476-12	1.362-12	2.267-11	.000+00	1.869-09	.000+00	1.941-13
-6.6	7.521-27	4.491-06	1.047-12	1.930-12	1.280-11	.000+00	1.325-09	.000+00	1.377-13
-6.4	1.687-26	4.013-06	7.422-13	2.733-12	7.218-12	.000+00	9.394-10	.000+00	9.760-14
-6.2	3.781-26	3.584-06	5.261-13	3.866-12	4.069-12	.000+00	6.656-10	.000+00	6.919-14
-6.0	8.469-26	3.200-06	3.729-13	5.467-12	2.293-12	.000+00	4.715-10	.000+00	4.904-14
-5.8	1.896-25	2.855-06	2.643-13	7.725-12	1.292-12	.000+00	3.340-10	.000+00	3.476-14
-5.6	4.239-25	2.547-06	1.873-13	1.091-11	7.277-13	.000+00	2.365-10	.000+00	2.463-14
-5.4	9.471-25	2.271-06	1.328-13	1.540-11	4.099-13	.000+00	1.674-10	.000+00	1.746-14
-5.2	2.114-24	2.024-06	9.412-14	2.172-11	2.309-13	.000+00	1.185-10	.000+00	1.238-14
-5.0	4.710-24	1.803-06	6.674-14	3.060-11	1.301-13	.000+00	8.387-11	.000+00	8.781-15
-4.8	1.047-23	1.606-06	4.735-14	4.307-11	7.333-14	.000+00	5.934-11	.000+00	6.231-15
-4.6	2.323-23	1.430-06	3.362-14	6.051-11	4.136-14	.000+00	4.196-11	.000+00	4.425-15
-4.4	5.130-23	1.272-06	2.389-14	8.483-11	2.335-14	.000+00	2.966-11	.000+00	3.146-15
-4.2	1.127-22	1.131-06	1.700-14	1.185-10	1.321-14	.000+00	2.095-11	.000+00	2.240-15
-4.0	2.455-22	1.004-06	1.212-14	1.648-10	7.483-15	.000+00	1.478-11	.000+00	1.599-15
-3.8	5.288-22	8.896-07	8.659-15	2.277-10	4.254-15	.000+00	1.041-11	.000+00	1.145-15
-3.6	1.121-21	7.866-07	6.210-15	3.118-10	2.429-15	.000+00	7.317-12	.000+00	8.235-16
-3.4	2.326-21	6.932-07	4.474-15	4.215-10	1.395-15	.000+00	5.127-12	.000+00	5.959-16
-3.2	4.689-21	6.082-07	3.242-15	5.605-10	8.072-16	.000+00	3.577-12	.000+00	4.346-16
-3.0	9.125-21	5.307-07	2.365-15	7.303-10	4.716-16	.000+00	2.482-12	.000+00	3.200-16
-2.8	1.703-20	4.600-07	1.738-15	9.286-10	2.784-16	.000+00	1.711-12	.000+00	2.382-16
-2.6	3.037-20	3.956-07	1.285-15	1.149-09	1.663-16	.000+00	1.170-12	.000+00	1.793-16
-2.4	5.165-20	3.375-07	9.552-16	1.384-09	1.004-16	.000+00	7.960-13	.000+00	1.364-16
-2.2	8.394-20	2.855-07	7.122-16	1.621-09	6.121-17	.000+00	5.341-13	.000+00	1.049-16
-2.0	1.307-19	2.395-07	5.314-16	1.851-09	3.765-17	.000+00	3.963-13	.000+00	8.128-17
-1.8	1.962-19	1.994-07	3.957-16	2.066-09	2.332-17	.000+00	2.358-13	.000+00	6.343-17
-1.6	2.849-19	1.649-07	2.932-16	2.260-09	1.452-17	.000+00	1.550-13	.000+00	4.978-17
-1.4	4.025-19	1.355-07	2.158-16	2.431-09	9.087-18	.000+00	1.013-13	.000+00	3.923-17
-1.2	5.557-19	1.108-07	1.575-16	2.576-09	5.704-18	.000+00	6.583-14	.000+00	3.102-17
-1.0	7.527-19	9.028-08	1.138-16	2.697-09	3.591-18	.000+00	4.261-14	.000+00	2.459-17
-.8	1.004-18	7.331-08	8.128-17	2.794-09	2.267-18	.000+00	2.750-14	.000+00	1.954-17
-.6	1.321-18	5.940-08	5.742-17	2.869-09	1.434-18	.000+00	1.771-14	.000+00	1.557-17
-.4	1.719-18	4.807-08	4.012-17	2.925-09	9.090-19	.000+00	1.138-14	.000+00	1.242-17
-.2	2.217-18	3.888-08	2.773-17	2.964-09	5.777-19	.000+00	7.317-15	.000+00	9.935-18
.0	2.838-18	3.146-08	1.899-17	2.986-09	3.682-19	.000+00	4.705-15	.000+00	7.965-18
.2	3.609-18	2.550-08	1.289-17	2.993-09	2.354-19	.000+00	3.030-15	.000+00	6.404-18
.4	4.567-18	2.072-08	8.694-18	2.989-09	1.512-19	.000+00	1.956-15	.000+00	5.165-18
.6	5.757-18	1.689-08	5.833-18	2.973-09	9.755-20	.000+00	1.268-15	.000+00	4.181-18
.8	7.239-18	1.385-08	3.900-18	2.950-09	6.337-20	.000+00	8.270-16	.000+00	3.400-18
1.0	9.103-18	1.144-08	2.602-18	2.925-09	4.153-20	.000+00	5.436-16	.000+00	2.779-18
1.2	1.149-17	9.552-09	1.736-18	2.903-09	2.754-20	.000+00	3.614-16	.000+00	2.286-18
1.4	1.463-17	8.091-09	1.160-18	2.896-09	1.856-20	.000+00	2.442-16	.000+00	1.896-18
1.6	1.898-17	6.998-09	7.776-19	2.922-09	1.281-20	.000+00	1.685-16	.000+00	1.587-18
1.8	2.543-17	6.241-09	5.237-19	3.011-09	9.141-21	.000+00	1.210-16	.000+00	1.346-18
2.0	3.598-17	5.827-09	3.551-19	3.218-09	6.867-21	.000+00	9.122-17	.000+00	1.161-18
2.2	5.560-17	5.830-09	2.436-19	3.654-09	5.578-21	.000+00	7.448-17	.000+00	1.026-18

T= 3200

LOG P	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	1.095-12	.000+00	6.772-25	3.045-02	3.411-01	7.694-03	1.905-04	2.442-05
-6.8	.000+00	4.907-13	.000+00	4.804-25	2.433-02	3.421-01	7.678-03	1.796-04	2.440-05
-6.6	.000+00	2.194-13	.000+00	3.403-25	1.941-02	3.429-01	7.667-03	1.689-04	2.438-05
-6.4	.000+00	9.817-14	.000+00	2.414-25	1.547-02	3.434-01	7.663-03	1.585-04	2.441-05
-6.2	.000+00	4.392-14	.000+00	1.712-25	1.233-02	3.439-01	7.675-03	1.485-04	2.445-05
-6.0	.000+00	1.965-14	.000+00	1.214-25	9.813-03	3.442-01	7.686-03	1.389-04	2.449-05
-5.8	.000+00	8.795-15	.000+00	8.601-26	7.809-03	3.443-01	7.694-03	1.299-04	2.471-05
-5.6	.000+00	3.937-15	.000+00	6.096-26	6.212-03	3.443-01	7.702-03	1.209-10	2.474-05
-5.4	.000+00	1.763-15	.000+00	4.321-26	4.941-03	3.442-01	7.708-03	6.472-10	2.476-05
-5.2	.000+00	7.888-16	.000+00	3.064-26	3.929-03	3.439-01	7.714-03	3.081-10	2.478-05
-5.0	.000+00	3.542-16	.000+00	2.171-26	3.123-03	3.434-01	7.720-03	1.950-10	2.480-05
-4.8	.000+00	1.590-16	.000+00	1.542-26	2.483-03	3.427-01	7.727-03	1.235-10	2.482-05
-4.6	.000+00	7.153-17	.000+00	1.095-26	1.974-03	3.416-01	7.734-03	7.827-11	2.484-05
-4.4	.000+00	3.226-17	.000+00	7.766-27	1.570-03	3.400-01	7.744-03	4.971-11	2.487-05
-4.2	.000+00	1.460-17	.000+00	5.544-27	1.248-03	3.378-01	7.756-03	3.165-11	2.491-05
-4.0	.000+00	6.643-18	.000+00	3.957-27	9.932-04	3.346-01	7.772-03	2.022-11	2.496-05
-3.8	.000+00	3.045-18	.000+00	2.833-27	7.907-04	3.300-01	7.794-03	1.294-11	2.503-05
-3.6	.000+00	1.410-18	.000+00	2.038-27	6.300-04	3.237-01	7.824-03	8.383-12	2.513-05
-3.4	.000+00	6.622-19	.000+00	1.475-27	5.026-04	3.151-01	7.865-03	5.472-12	2.526-05
-3.2	.000+00	3.165-19	.000+00	1.074-27	4.016-04	3.035-01	7.920-03	3.611-12	2.544-05
-3.0	.000+00	1.546-19	.000+00	7.920-28	3.215-04	2.885-01	7.990-03	2.416-12	2.566-05
-2.8	.000+00	7.736-20	.000+00	5.899-2	2.578-04	2.701-01	8.076-03	1.642-12	2.594-05
-2.6	.000+00	3.972-20	.000+00	4.437-28	2.071-04	2.488-01	8.177-03	1.134-12	2.626-05
-2.4	.000+00	2.090-20	.000+00	3.376-28	1.665-04	2.246-01	8.289-03	7.968-13	2.662-05
-2.2	.000+00	1.123-20	.000+00	2.595-28	1.340-04	1.994-01	8.407-03	5.639-13	2.700-05
-2.0	.000+00	6.145-21	.000+00	2.011-28	1.076-04	1.740-01	8.526-03	4.035-13	2.738-05
-1.8	.000+00	3.404-21	.000+00	1.570-28	8.673-05	1.496-01	8.640-03	2.903-13	2.775-05
-1.6	.000+00	1.900-21	.000+00	1.232-28	6.968-05	1.268-01	8.746-03	2.090-13	2.809-05
-1.4	.000+00	1.064-21	.000+00	9.737-29	5.592-05	1.063-01	8.842-03	1.502-13	2.840-05
-1.2	.000+00	5.962-22	.000+00	7.678-29	4.482-05	8.821-02	8.927-03	1.074-13	2.867-05
-1.0	.000+00	3.328-22	.000+00	6.085-29	3.587-05	7.260-02	9.000-03	7.625-14	2.891-05
-.8	.000+00	1.848-22	.000+00	4.835-29	2.868-05	5.934-02	9.062-03	5.365-14	2.911-05
-.6	.000+00	1.019-22	.000+00	3.850-29	2.290-05	4.824-02	9.114-03	3.736-14	2.927-05
-.4	.000+00	5.576-23	.000+00	3.071-29	1.827-05	3.903-02	9.157-03	2.574-14	2.941-05
-.2	.000+00	3.027-23	.000+00	2.455-29	1.456-05	3.146-02	9.193-03	1.756-14	2.953-05
.0	.000+00	1.631-23	.000+00	1.964-29	1.160-05	2.529-02	9.222-03	1.182-14	2.962-05
.2	.000+00	8.731-24	.000+00	1.574-29	9.232-06	2.026-02	9.246-03	7.892-15	2.970-05
.4	.000+00	4.646-24	.000+00	1.270-29	7.342-06	1.621-02	9.265-03	5.217-15	2.976-05
.6	.000+00	2.460-24	.000+00	1.024-29	5.834-06	1.293-02	9.280-03	3.419-15	2.981-05
.8	.000+00	1.298-24	.000+00	8.275-30	4.631-06	1.031-02	9.293-03	2.221-15	2.985-05
1.0	.000+00	6.828-25	.000+00	6.699-30	3.671-06	8.193-03	9.303-03	1.431-15	2.988-05
1.2	.000+00	3.583-25	.000+00	5.428-30	2.904-06	6.498-03	9.312-03	9.131-16	2.991-05
1.4	.000+00	1.875-25	.000+00	4.392-30	2.290-06	5.137-03	9.319-03	5.764-16	2.993-05
1.6	.000+00	9.774-26	.000+00	3.539-30	1.798-06	4.042-03	9.325-03	3.590-16	2.995-05
1.8	.000+00	5.063-26	.000+00	2.823-30	1.401-06	3.158-03	9.330-03	2.193-16	2.997-05
2.0	.000+00	2.594-26	.000+00	2.212-30	1.079-06	2.441-03	9.336-03	1.302-16	2.999-05
2.2	.000+00	1.306-26	.000+00	1.679-30	8.163-07	1.855-03	9.343-03	7.405-17	3.001-05

T= 3200

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.613-06	1.22835+00	7.62295+00	8.8513E+00	5.35778+01	-5.86167+00	1.22835+00
-6.8	5.024-06	1.22450+00	7.48790+00	8.71239+00	5.32780+01	-5.64304+00	1.22450+00
-6.6	4.493-06	1.22140+00	7.37990+00	8.60136+00	5.26069+01	-5.44414+00	1.22140+00
-6.4	4.014-06	1.21891+00	7.29348+00	8.51246+00	5.19586+01	-5.24502+00	1.21891+00
-6.2	3.585-06	1.21690+00	7.22423+00	8.44113+00	5.13285+01	-5.04574+00	1.21690+00
-6.0	3.200-06	1.21525+00	7.16854+00	8.38379+00	5.07128+01	-4.84633+00	1.21525+00
-5.8	2.855-06	1.21388+00	7.12349+00	8.33736+00	5.01064+01	-4.64682+00	1.21388+00
-5.6	2.547-06	1.21272+00	7.08661+00	8.29933+00	4.95128+01	-4.44726+00	1.21272+00
-5.4	2.271-06	1.21169+00	7.05590+00	8.26759+00	4.89238+01	-4.24761+00	1.21169+00
-5.2	2.026-06	1.21073+00	7.02954+00	8.24027+00	4.83397+01	-4.04795+00	1.21073+00
-5.0	1.803-06	1.20979+00	7.00586+00	8.21564+00	4.77587+01	-3.84829+00	1.20979+00
-4.8	1.606-06	1.20877+00	6.98316+00	8.19193+00	4.71791+01	-3.64865+00	1.20877+00
-4.6	1.430-06	1.20760+00	6.95957+00	8.16717+00	4.65991+01	-3.44907+00	1.20760+00
-4.4	1.272-06	1.20616+00	6.93284+00	8.13900+00	4.60165+01	-3.24959+00	1.20616+00
-4.2	1.131-06	1.20429+00	6.90010+00	8.10446+00	4.54288+01	-3.05026+00	1.20429+00
-4.0	1.004-06	1.20180+00	6.85759+00	8.05938+00	4.48322+01	-2.85117+00	1.20180+00
-3.8	8.895-07	1.19840+00	6.80041+00	7.99881+00	4.42223+01	-2.65239+00	1.19840+00
-3.6	7.863-07	1.19377+00	6.72249+00	7.91626+00	4.35935+01	-2.45407+00	1.19377+00
-3.4	6.928-07	1.18754+00	6.61698+00	7.80452+00	4.29396+01	-2.25635+00	1.18754+00
-3.2	6.077-07	1.17936+00	6.47736+00	7.65672+00	4.22549+01	-2.05935+00	1.17936+00
-3.0	5.300-07	1.16901+00	6.29936+00	7.46836+00	4.15361+01	-1.86318+00	1.16901+00
-2.8	4.591-07	1.15652+00	6.08310+00	7.23962+00	4.07843+01	-1.66784+00	1.15652+00
-2.6	3.946-07	1.14225+00	5.83443+00	6.97667+00	4.00063+01	-1.47324+00	1.14224+00
-2.4	3.362-07	1.12681+00	5.56427+00	6.69109+00	3.92137+01	-1.27914+00	1.12681+00
-2.2	2.839-07	1.11100+00	5.28629+00	6.39728+00	3.84204+01	-1.08528+00	1.11099+00
-2.0	2.377-07	1.09555+00	5.01381+00	6.10936+00	3.76369+01	-8.91370-01	1.09553+00
-1.8	1.976-07	1.08105+00	4.75763+00	5.83869+00	3.68826+01	-6.97150-01	1.08103+00
-1.6	1.627-07	1.06792+00	4.52492+00	5.59284+00	3.61551+01	-5.02660-01	1.06788+00
-1.4	1.331-07	1.05634+00	4.31933+00	5.37568+00	3.54605+01	-3.07190-01	1.05628+00
-1.2	1.083-07	1.04636+00	4.14170+00	5.18807+00	3.47988+01	-1.11310-01	1.04637+00
-1.0	8.761-08	1.03793+00	3.99091+00	5.02893+00	3.41681+01	8.51700-02	1.03773+00
-.8	7.054-08	1.03090+00	3.86466+00	4.89556+00	3.35655+01	2.82220-01	1.03067+00
-.6	5.655-08	1.02515+00	3.76011+00	4.78527+00	3.29876+01	4.79790-01	1.02479+00
-.4	4.516-08	1.02054+00	3.67429+00	4.69482+00	3.24308+01	6.77830-01	1.01995+00
-.2	3.593-08	1.01693+00	3.60431+00	4.62124+00	3.18917+01	8.76300-01	1.01601+00
.0	2.849-08	1.01427+00	3.54756+00	4.56182+00	3.13673+01	1.07516+00	1.01281+00
.2	2.251-08	1.01252+00	3.50174+00	4.51462+00	3.08548+01	1.27441+00	1.01022+00
.4	1.774-08	1.01177+00	3.46488+00	4.47665+00	3.03513+01	1.47408+00	1.00813+00
.6	1.393-08	1.01220+00	3.43532+00	4.44752+00	2.98564+01	1.67427+00	1.00644+00
.8	1.091-08	1.01418+00	3.41170+00	4.42589+00	2.93662+01	1.87512+00	1.00507+00
1.0	8.522-09	1.01839+00	3.39290+00	4.41125+00	2.88795+01	2.07692+00	1.00397+00
1.2	6.652-09	1.02589+00	3.37804+00	4.40392+00	2.83941+01	2.28010+00	1.00306+00
1.4	5.198-09	1.03844+00	3.36642+00	4.40486+00	2.79074+01	2.48539+00	1.00230+00
1.6	4.079-09	1.05886+00	3.35755+00	4.41641+00	2.74160+01	2.69384+00	1.00166+00
1.8	3.233-09	1.09162+00	3.35114+00	4.44276+00	2.69150+01	2.90707+00	1.00106+00
2.0	2.610-09	1.14373+00	3.34715+00	4.49088+00	2.63972+01	3.12733+00	1.00044+00
2.2	2.178-09	1.22612+00	3.34593+00	4.57205+00	2.58518+01	3.35754+00	9.99720-01

-7.0	6.034-01	2.090-06	1.941-04	2.658-04	5.375-10	3.775-13	6.909-12	6.974-11	1.439-11
-6.8	6.117-01	3.329-06	2.466-04	2.672-04	8.564-10	7.599-13	1.110-11	4.996-11	1.620-11
-6.6	6.184-01	5.297-06	3.177-04	2.683-04	1.363-09	1.527-12	1.778-11	3.570-11	1.822-11
-6.4	6.238-01	8.419-06	3.980-04	2.693-04	2.167-09	3.064-12	2.842-11	2.547-11	2.047-11
-6.2	6.282-01	1.337-05	5.004-04	2.700-04	3.442-09	6.139-12	4.534-11	1.814-11	2.300-11
-6.0	6.316-01	2.122-05	6.326-04	2.706-04	5.465-09	1.229-11	7.222-11	1.290-11	2.583-11
-5.8	6.344-01	3.365-05	7.984-04	2.711-04	8.672-09	2.456-11	1.149-10	9.172-12	2.899-11
-5.6	6.366-01	5.334-05	1.007-03	2.715-04	1.376-08	4.906-11	1.824-10	6.515-12	3.253-11
-5.4	6.383-01	8.449-05	1.269-03	2.719-04	2.181-08	9.790-11	2.899-10	4.626-12	3.644-11
-5.2	6.397-01	1.337-04	1.598-03	2.721-04	3.455-08	1.952-10	4.599-10	3.283-12	4.088-11
-5.0	6.408-01	2.114-04	2.011-03	2.723-04	5.472-08	3.886-10	7.290-10	2.330-12	4.580-11
-4.8	6.417-01	3.339-04	2.529-03	2.725-04	8.661-08	7.729-10	1.156-09	1.653-12	5.126-11
-4.6	6.424-01	5.266-04	3.178-03	2.728-04	1.370-07	1.534-09	1.826-09	1.173-12	5.731-11
-4.4	6.431-01	8.286-04	3.989-03	2.730-04	2.163-07	3.040-09	2.885-09	8.333-13	6.397-11
-4.2	6.436-01	1.300-03	4.998-03	2.732-04	3.412-07	6.002-09	4.551-09	5.922-13	7.126-11
-4.0	6.442-01	2.031-03	6.250-03	2.734-04	5.369-07	1.180-08	7.162-09	4.214-13	7.915-11
-3.8	6.450-01	3.156-03	7.793-03	2.737-04	8.423-07	2.306-08	1.124-08	3.004-13	8.753-11
-3.6	6.460-01	4.857-03	9.678-03	2.740-04	1.315-06	4.468-08	1.756-08	2.148-13	9.621-11
-3.4	6.474-01	7.391-03	1.195-02	2.743-04	2.041-06	8.556-08	2.728-08	1.542-13	1.049-10
-3.2	6.494-01	1.107-02	1.465-02	2.746-04	3.140-06	1.611-07	4.205-08	1.113-13	1.130-10
-3.0	6.523-01	1.622-02	1.778-02	2.748-04	4.774-06	2.970-07	6.416-08	8.087-14	1.196-10
-2.8	6.562-01	2.315-02	2.130-02	2.748-04	7.150-06	5.329-07	9.666-08	5.931-14	1.247-10
-2.6	6.614-01	3.200-02	2.514-02	2.744-04	1.051-05	9.261-07	1.434-07	4.395-14	1.267-10
-2.4	6.676-01	4.269-02	2.917-02	2.732-04	1.513-05	1.553-06	2.093-07	3.293-14	1.255-10
-2.2	6.748-01	5.497-02	3.325-02	2.710-04	2.127-05	2.510-06	2.979-07	2.495-14	1.209-10
-2.0	6.826-01	6.800-02	3.723-02	2.672-04	2.919-05	3.911-06	4.222-07	1.910-14	1.134-10
-1.8	6.906-01	8.144-02	4.098-02	2.615-04	3.908-05	5.890-06	5.844-07	1.476-14	1.037-10
-1.6	6.986-01	9.459-02	4.442-02	2.536-04	5.108-05	8.604-06	7.965-07	1.149-14	9.266-11
-1.4	7.060-01	1.070-01	4.749-02	2.432-04	6.519-05	1.224-05	1.071-06	8.994-15	8.119-11
-1.2	7.129-01	1.182-01	5.017-02	2.305-04	8.134-05	1.702-05	1.424-06	7.078-15	6.995-11
-1.0	7.189-01	1.283-01	5.247-02	2.157-04	9.928-05	2.323-05	1.873-06	5.592-15	5.943-11
-.8	7.242-01	1.369-01	5.442-02	1.989-04	1.186-04	3.122-05	2.444-06	4.433-15	4.994-11
-.6	7.289-01	1.444-01	5.604-02	1.809-04	1.390-04	4.143-05	3.168-06	3.524-15	4.159-11
-.4	7.326-01	1.506-01	5.739-02	1.621-04	1.594-04	5.442-05	4.083-06	2.809-15	3.440-11
-.2	7.357-01	1.558-01	5.849-02	1.432-04	1.801-04	7.091-05	5.237-06	2.245-15	2.832-11
.0	7.383-01	1.600-01	5.939-02	1.247-04	1.999-04	9.184-05	6.693-06	1.800-15	2.323-11
.2	7.405-01	1.635-01	6.011-02	1.072-04	2.185-04	1.184-04	8.527-06	1.447-15	1.903-11
.4	7.422-01	1.663-01	6.070-02	9.105-05	2.355-04	1.522-04	1.084-05	1.168-15	1.558-11
.6	7.436-01	1.686-01	6.116-02	7.647-05	2.508-04	1.954-04	1.375-05	9.465-16	1.277-11
.8	7.448-01	1.704-01	6.153-02	6.356-05	2.643-04	2.510-04	1.741-05	7.709-16	1.050-11
1.0	7.457-01	1.718-01	6.181-02	5.234-05	2.759-04	3.236-04	2.202-05	6.318-16	8.657-12
1.2	7.464-01	1.730-01	6.202-02	4.271-05	2.860-04	4.202-04	2.781-05	5.215-16	7.179-12
1.4	7.470-01	1.738-01	6.216-02	3.453-05	2.945-04	5.526-04	3.510-05	4.345-16	5.997-12
1.6	7.475-01	1.745-01	6.223-02	2.764-05	3.016-04	7.424-04	4.426-05	3.664-16	5.058-12
1.8	7.480-01	1.749-01	6.222-02	2.184-05	3.077-04	1.032-03	5.575-05	3.139-16	4.323-12
2.	7.483-01	1.751-01	6.211-02	1.698-05	3.128-04	1.517-03	7.013-05	2.748-16	3.762-12
2.2	7.487-01	1.749-01	6.183-02	1.290-05	3.171-04	2.432-03	8.802-05	2.495-16	3.359-12

T= 3500

LOG C	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	2.216-27	8.604-06	6.483-12	1.199-12	2.244-10	.000+00	7.857-09	.000+00	1.038-12
-6.8	4.996-27	7.725-06	4.606-12	1.706-12	1.272-10	.000+00	5.580-09	.000+00	7.371-13
-6.6	1.124-26	6.926-06	3.269-12	2.423-12	7.194-11	.000+00	3.960-09	.000+00	5.232-13
-6.4	2.527-26	6.201-06	2.320-12	3.437-12	4.065-11	.000+00	2.809-09	.000+00	3.712-13
-6.2	5.674-26	5.547-06	1.645-12	4.870-12	2.295-11	.000+00	1.992-09	.000+00	2.633-13
-6.0	1.273-25	4.958-06	1.167-12	6.898-12	1.295-11	.000+00	1.412-09	.000+00	1.867-13
-5.8	2.852-25	4.428-06	8.272-13	9.758-12	7.302-12	.000+00	1.000-09	.000+00	1.324-13
-5.6	6.387-25	3.953-06	5.864-13	1.379-11	4.116-12	.000+00	7.087-10	.000+00	9.385-14
-5.4	1.429-24	3.528-06	4.157-13	1.949-11	2.319-12	.000+00	5.019-10	.000+00	6.653-14
-5.2	3.193-24	3.146-06	2.947-13	2.751-11	1.307-12	.000+00	3.554-10	.000+00	4.717-14
-5.0	7.127-24	2.805-06	2.090-13	3.881-11	7.364-13	.000+00	2.516-10	.000+00	3.345-14
-4.8	1.588-23	2.500-06	1.482-13	5.470-11	4.150-13	.000+00	1.781-10	.000+00	2.372-14
-4.6	3.533-23	2.227-06	1.052-13	7.699-11	2.340-13	.000+00	1.260-10	.000+00	1.674-14
-4.4	7.836-23	1.983-06	7.466-14	1.082-10	1.320-13	.000+00	8.911-11	.000+00	1.176-14
-4.2	1.731-22	1.764-06	5.305-14	1.517-10	7.452-14	.000+00	6.299-11	.000+00	8.500-15
-4.0	3.805-22	1.569-06	3.775-14	2.120-10	4.213-14	.000+00	4.449-11	.000+00	6.052-15
-3.8	8.298-22	1.393-06	2.691-14	2.950-10	2.387-14	.000+00	3.140-11	.000+00	4.319-15
-3.6	1.790-21	1.234-06	1.923-14	4.080-10	1.356-14	.000+00	2.212-11	.000+00	3.061-15
-3.4	3.804-21	1.092-06	1.37 .4	5.593-10	7.739-15	.000+00	1.555-11	.000+00	2.222-15
-3.2	7.918-21	9.628-07	9.928-15	7.576-10	4.441-15	.000+00	1.090-11	.000+00	1.607-15
-3.0	1.604-20	8.454-07	7.190-15	1.010-09	2.567-15	.000+00	7.614-12	.000+00	1.171-15
-2.8	3.140-20	7.394-07	5.242-15	1.321-09	1.497-15	.000+00	5.289-12	.000+00	8.606-16
-2.6	5.904-20	6.409-07	3.848-15	1.686-09	8.824-16	.000+00	3.651-12	.000+00	6.394-16
-2.4	1.061-19	5.520-07	2.845-15	2.097-09	5.259-16	.000+00	2.502-12	.000+00	4.804-16
-2.2	1.819-19	4.717-07	2.115-15	2.536-09	3.170-16	.000+00	1.709-12	.000+00	3.650-16
-2.0	2.980-19	3.997-07	1.578-15	2.985-09	1.930-16	.000+00	1.146-12	.000+00	2.801-16
-1.8	4.675-19	3.359-07	1.179-15	3.422-09	1.186-16	.000+00	7.658-13	.000+00	2.169-16
-1.6	7.059-19	2.802-07	8.799-16	3.833-09	7.338-17	.000+00	5.079-13	.000+00	1.692-16
-1.4	1.030-18	2.321-07	6.540-16	4.206-09	4.568-17	.000+00	3.345-13	.000+00	1.327-16
-1.2	1.461-18	1.911-07	4.832-16	4.533-09	2.858-17	.000+00	2.189-13	.000+00	1.046-16
-1.0	2.024-18	1.566-07	3.541-16	4.812-09	1.795-17	.000+00	1.426-13	.000+00	8.274-17
-.8	2.748-18	1.278-07	2.570-16	5.042-09	1.131-17	.000+00	9.250-14	.000+00	6.565-17
-.6	3.669-18	1.040-07	1.846-16	5.226-09	7.145-18	.000+00	5.982-14	.000+00	5.223-17
-.4	4.831-18	8.448-08	1.312-16	5.367-09	4.527-18	.000+00	3.861-14	.000+00	4.166-17
-.2	6.289-18	6.855-08	9.222-17	5.468-09	2.877-18	.000+00	2.490-14	.000+00	3.332-17
.0	8.108-18	5.563-08	6.417-17	5.533-09	1.833-18	.000+00	1.606-14	.000+00	2.672-17
.2	1.037-17	4.520-08	4.423-17	5.566-09	1.173-18	.000+00	1.037-14	.000+00	2.145-17
.4	1.319-17	3.681-08	3.075-17	5.569-09	7.533-19	.000+00	6.708-15	.000+00	1.734-17
.6	1.665-17	3.008-08	2.055-17	5.549-09	4.865-19	.000+00	4.358-15	.000+00	1.405-17
.8	2.098-17	2.471-08	1.390-17	5.511-09	3.163-19	.000+00	2.847-15	.000+00	1.144-17
1.0	2.641-17	2.046-08	9.373-18	5.463-09	2.075-19	.000+00	1.875-15	.000+00	9.368-18
1.2	3.333-17	1.711-08	6.313-18	5.419-09	1.377-19	.000+00	1.249-15	.000+00	7.722-18
1.4	4.243-17	1.452-08	4.255-18	5.400-09	9.291-20	.000+00	8.447-16	.000+00	6.418-18
1.6	5.496-17	1.257-08	2.875-18	5.437-09	6.414-20	.000+00	5.847-16	.000+00	5.389-18
1.8	7.344-17	1.122-08	1.952-18	5.587-09	4.579-20	.000+00	4.186-16	.000+00	4.586-18
2.0	1.035-16	1.048-08	1.335-18	5.968-09	3.437-20	.000+00	3.152-16	.000+00	3.975-18
2.2	1.591-16	1.048-08	9.239-19	6.717-09	2.784-20	.000+00	2.563-16	.000+00	3.535-18

LOG P	A**	C*	C**	NE*	N	Γ	A	C	NE
-7.0	.000+00	8.527-12	.000+00	4.854-24	5.101-02	3.375-01	7.524-03	6.374-08	2.417-05
-6.8	.000+00	3.871-12	.000+00	3.448-24	4.091-02	3.392-01	7.563-03	4.044-08	2.429-05
-6.6	.000+00	1.711-12	.000+00	2.447-24	3.274-02	3.406-01	7.595-03	2.563-08	2.440-05
-6.4	.000+00	7.665-13	.000+00	1.737-24	2.616-02	3.417-01	7.621-03	1.623-08	2.448-05
-6.2	.000+00	3.431-13	.000+00	1.232-24	2.088-02	3.425-01	7.642-03	1.027-08	2.455-05
-6.0	.000+00	1.536-13	.000+00	8.734-25	1.665-02	3.431-01	7.659-03	6.499-09	2.460-05
-5.8	.000+00	6.874-14	.000+00	6.197-25	1.327-02	3.435-01	7.672-03	4.110-09	2.464-05
-5.6	.000+00	3.077-14	.000+00	4.390-25	1.057-02	3.438-01	7.684-03	2.599-09	2.468-05
-5.4	.000+00	1.378-14	.000+00	3.112-25	8.409-03	3.439-01	7.693-03	1.643-09	2.471-05
-5.2	.000+00	6.170-15	.000+00	2.206-25	6.690-03	3.438-01	7.702-03	1.039-09	2.474-05
-5.0	.000+00	2.765-15	.000+00	1.564-25	5.321-03	3.436-01	7.709-03	6.574-10	2.476-05
-4.8	.000+00	1.240-15	.000+00	1.110-25	4.232-03	3.432-01	7.716-03	4.160-10	2.478-05
-4.6	.000+00	5.569-16	.000+00	7.875-26	3.365-03	3.425-01	7.724-03	2.635-10	2.481-05
-4.4	.000+00	2.505-16	.000+00	5.593-26	2.676-03	3.416-01	7.732-03	1.671-10	2.483-05
-4.2	.000+00	1.129-16	.000+00	3.976-26	2.128-03	3.399-01	7.741-03	1.061-10	2.487-05
-4.0	.000+00	5.111-17	.000+00	2.831-26	1.692-03	3.377-01	7.756-03	6.756-11	2.490-05
-3.8	.000+00	2.324-17	.000+00	2.020-26	1.346-03	3.347-01	7.770-03	4.313-11	2.496-05
-3.6	.000+00	1.065-17	.000+00	1.444-26	1.072-03	3.303-01	7.791-03	2.769-11	2.502-05
-3.4	.000+00	4.924-18	.000+00	1.040-26	8.538-04	3.243-01	7.820-03	1.787-11	2.512-05
-3.2	.000+00	2.309-18	.000+00	7.516-27	6.810-04	3.160-01	7.860-03	1.164-11	2.525-05
-3.0	.000+00	1.100-18	.000+00	5.474-27	5.439-04	3.049-01	7.912-03	7.671-12	2.541-05
-2.8	.000+00	5.356-19	.000+00	4.026-27	4.352-04	2.906-01	7.980-03	5.123-12	2.563-05
-2.6	.000+00	2.671-19	.000+00	2.99.-27	3.488-04	2.728-01	8.063-03	3.476-12	2.590-05
-2.4	.000+00	1.366-19	.000+00	2.247-27	2.801-04	2.518-01	8.162-03	2.396-12	2.621-05
-2.2	.000+00	7.183-20	.000+00	1.707-27	2.252-04	2.283-01	8.272-03	1.676-12	2.657-05
-2.0	.000+00	3.841-20	.000+00	1.310-27	1.812-04	2.033-01	8.389-03	1.186-12	2.696-05
-1.8	.000+00	2.098-20	.000+00	1.015-27	1.458-04	1.779-01	8.507-03	8.486-13	2.737-05
-1.6	.000+00	1.161-20	.000+00	7.913-28	1.172-04	1.534-01	8.622-03	6.106-13	2.779-05
-1.4	.000+00	6.489-21	.000+00	6.207-28	9.420-05	1.303-01	8.730-03	4.403-13	2.804-05
-1.2	.000+00	3.641-21	.000+00	4.892-28	7.560-05	1.095-01	8.827-03	3.170-13	2.835-05
-1.0	.000+00	2.045-21	.000+00	3.969-28	6.060-05	9.099-02	8.914-03	2.273-13	2.863-05
-.8	.000+00	1.146-21	.000+00	3.070-28	4.852-05	7.500-02	8.989-03	1.618-13	2.887-05
-.6	.000+00	6.390-22	.000+00	2.442-28	3.879-05	6.138-02	9.053-03	1.142-13	2.908-05
-.4	.000+00	3.541-22	.000+00	1.947-28	3.098-05	4.993-02	9.104-03	7.983-14	2.925-05
-.2	.000+00	1.948-22	.000+00	1.556-28	2.472-05	4.043-02	9.151-03	5.519-14	2.939-05
.0	.000+00	1.064-22	.000+00	1.246-28	1.970-05	3.261-02	9.184-03	3.774-14	2.951-05
.2	.000+00	5.768-23	.000+00	1.001-28	1.569-05	2.621-02	9.218-03	2.552-14	2.961-05
.4	.000+00	3.107-23	.000+00	8.058-29	1.248-05	2.101-02	9.242-03	1.708-14	2.969-05
.6	.000+00	1.664-23	.000+00	6.505-29	9.925-06	1.680-02	9.262-03	1.131-14	2.975-05
.8	.000+00	8.871-24	.000+00	5.263-29	7.881-06	1.341-02	9.278-03	7.420-15	2.980-05
1.0	.000+00	4.711-24	.000+00	4.269-29	6.249-06	1.067-02	9.291-03	4.819-15	2.984-05
1.2	.000+00	2.494-24	.000+00	3.464-29	4.945-06	8.473-03	9.302-03	3.098-15	2.988-05
1.4	.000+00	1.316-24	.000+00	2.810-29	3.900-06	6.704-03	9.311-03	1.968-15	2.991-05
1.6	.000+00	6.911-25	.000+00	2.271-29	3.062-06	5.278-03	9.319-03	1.232-15	2.993-05
1.8	.000+00	3.608-25	.000+00	1.818-29	2.387-06	4.126-03	9.326-03	7.555-16	2.995-05
2.0	.000+00	1.864-25	.000+00	1.431-29	1.839-06	3.191-03	9.332-03	4.502-16	2.998-05
2.2	.000+00	9.476-26	.000+00	1.093-29	1.392-06	2.425-03	9.340-03	2.571-16	3.000-05

T= 3300

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	8.613-06	1.24134+00	7.93786+00	9.17919+00	5.45316+01	-5.82374+00	1.24134+00
-6.8	7.731-06	1.23490+00	7.71819+00	8.95308+00	5.37618+01	-5.62600+00	1.23490+00
-6.6	6.930-06	1.22973+00	7.54216+00	8.77185+00	5.29983+01	-5.42782+00	1.22973+00
-6.4	6.204-06	1.22557+00	7.40124+00	8.62681+00	5.22921+01	-5.22929+00	1.22557+00
-6.2	5.549-06	1.22223+00	7.28844+00	8.51067+00	5.16157+01	-5.03048+00	1.22223+00
-6.0	4.959-06	1.21954+00	7.19809+00	8.41762+00	5.09631+01	-4.83144+00	1.21954+00
-5.8	4.430-06	1.21734+00	7.12554+00	8.34288+00	5.03295+01	-4.63222+00	1.21734+00
-5.6	3.954-06	1.21554+00	7.06705+00	8.28258+00	4.97109+01	-4.43286+00	1.21554+00
-5.4	3.528-06	1.21402+00	7.01951+00	8.23353+00	4.91039+01	-4.23340+00	1.21402+00
-5.2	3.147-06	1.21272+00	6.98034+00	8.19306+00	4.85059+01	-4.03387+00	1.21272+00
-5.0	2.805-06	1.21154+00	6.94734+00	8.15885+00	4.79147+01	-3.83429+00	1.21154+00
-4.8	2.500-06	1.21042+00	6.91852+00	8.12894+00	4.73282+01	-3.63470+00	1.21042+00
-4.6	2.227-06	1.20927+00	6.89197+00	8.10124+00	4.67445+01	-3.43511+00	1.20927+00
-4.4	1.983-06	1.20800+00	6.86570+00	8.07370+00	4.61617+01	-3.23557+00	1.20800+00
-4.2	1.764-06	1.20649+00	6.83743+00	8.04393+00	4.55776+01	-3.03611+00	1.20649+00
-4.0	1.569-06	1.20460+00	6.80439+00	8.00959+00	4.49892+01	-2.83679+00	1.20460+00
-3.8	1.392-06	1.20212+00	6.76302+00	7.96514+00	4.43936+01	-2.63768+00	1.20212+00
-3.6	1.236-06	1.19881+00	6.70875+00	7.90756+00	4.37865+01	-2.43888+00	1.19881+00
-3.4	1.091-06	1.19433+00	6.63592+00	7.83024+00	4.31626+01	-2.24051+00	1.19433+00
-3.2	9.622-07	1.18834+00	6.53806+00	7.72639+00	4.25160+01	-2.04269+00	1.18833+00
-3.0	8.445-07	1.18046+00	6.40877+00	7.58924+00	4.18412+01	-1.84558+00	1.18046+00
-2.8	7.373-07	1.17049+00	6.24347+00	7.41194+00	4.11345+01	-1.64927+00	1.17047+00
-2.6	6.393-07	1.15835+00	6.04140+00	7.19976+00	4.03961+01	-1.45379+00	1.15835+00
-2.4	5.501-07	1.14439+00	5.80712+00	6.95151+00	3.96316+01	-1.25906+00	1.14439+00
-2.2	4.693-07	1.12917+00	5.55027+00	6.67943+00	3.88512+01	-1.06487+00	1.12916+00
-2.0	3.968-07	1.11343+00	5.28357+00	6.39700+00	3.80681+01	-8.70970-01	1.11341+00
-1.8	3.326-07	1.09793+00	5.02000+00	6.11793+00	3.72954+01	-6.77060-01	1.09790+00
-1.6	2.766-07	1.08330+00	4.77040+00	5.85337+00	3.65436+01	-4.82880-01	1.08326+00
-1.4	2.280-07	1.06993+00	4.54231+00	5.61228+00	3.58198+01	-2.88260-01	1.06990+00
-1.2	1.866-07	1.05816+00	4.33982+00	5.39798+00	3.51276+01	-9.37800-02	1.05806+00
-1.0	1.518-07	1.04795+00	4.16417+00	5.21212+00	3.44668+01	1.02710-01	1.04780+00
-.8	1.228-07	1.03931+00	4.01458+00	5.05389+00	3.38367+01	2.99110-01	1.03908+00
-.6	9.882-08	1.03212+00	3.88903+00	4.92115+00	3.32342+01	4.96130-01	1.03175+00
-.4	7.915-08	1.02626+00	3.78485+00	4.81111+00	3.26561+01	6.93630-01	1.02568+00
-.2	6.311-08	1.02161+00	3.69919+00	4.72088+00	3.20990+01	8.91650-01	1.02068+00
.0	5.012-08	1.01806+00	3.62926+00	4.64732+00	3.15594+01	1.09014+00	1.01660+00
.2	3.965-08	1.01558+00	3.57249+00	4.58808+00	3.10345+01	1.28908+00	1.01328+00
.4	3.125-08	1.01423+00	3.52663+00	4.54086+00	3.05213+01	1.48850+00	1.01059+00
.6	2.456-08	1.01417+00	3.48972+00	4.50389+00	3.00174+01	1.68848+00	1.00841+00
.8	1.921-08	1.01576+00	3.46013+00	4.47589+00	2.95204+01	1.88916+00	1.00665+00
1.0	1.530-08	1.01964+00	3.43650+00	4.45614+00	2.90282+01	2.09081+00	1.00522+00
1.2	1.169-08	1.02683+00	3.41775+00	4.44463+00	2.85384+01	2.29389+00	1.00405+00
1.4	9.122-09	1.03921+00	3.40302+00	4.44223+00	2.80482+01	2.49907+00	1.00313+00
1.6	7.141-09	1.05944+00	3.39168+00	4.45113+00	2.75560+01	2.70745+00	1.00247+00
1.8	5.642-09	1.09202+00	3.38334+00	4.47536+00	2.70590+01	2.92060+00	1.00193+00
2.0	4.537-09	1.14394+00	3.3778.+00	4.52182+00	2.65315+01	3.14077+00	1.00081+00
2.2	3.764-09	1.22612+00	3.37559+00	4.60170+00	2.59849+01	3.37090+00	9.99960-01

T= 3400

LOG P	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.780-01	1.222-06	1.597-04	2.614-04	3.089-10	2.291-13	5.639-12	2.336-10	2.056-11
-6.8	9.910-01	1.953-06	2.042-04	2.637-04	4.938-10	4.641-13	9.139-12	1.668-10	2.318-11
-6.6	8.016-01	3.114-06	2.602-04	2.655-04	7.879-10	9.37C-13	1.476-11	1.212-10	2.610-11
-6.4	6.103-01	4.961-06	3.307-04	2.670-04	1.255-09	1.887-12	2.369-11	8.695-11	2.938-11
-6.2	6.173-01	7.893-06	4.195-04	2.681-04	1.998-09	3.793-12	3.797-11	6.209-11	3.304-11
-6.0	6.229-01	1.254-05	5.313-04	2.691-04	3.177-09	7.611-12	6.071-11	4.431-11	3.713-11
-5.8	6.274-01	1.992-05	6.719-04	2.699-04	5.047-09	1.525-11	9.687-11	3.157-11	4.171-11
-5.6	6.310-01	3.161-05	8.493-04	2.705-04	8.014-09	3.052-11	1.543-10	2.247-11	4.683-11
-5.4	6.339-01	5.012-05	1.071-03	2.710-04	1.272-08	6.099-11	2.455-10	1.597-11	5.256-11
-5.2	6.362-01	7.940-05	1.351-03	2.714-04	2.018-08	1.219-10	3.901-10	1.135-11	5.895-11
-5.0	6.380-01	1.257-04	1.702-03	2.718-04	3.196-08	2.429-10	6.193-10	8.049-12	6.608-11
-4.8	6.394-01	1.988-04	2.143-03	2.721-04	5.062-08	4.837-10	9.820-10	5.722-12	7.402-11
-4.6	6.406-01	3.139-04	2.695-03	2.724-04	8.013-08	9.622-10	1.556-09	4.062-12	8.285-11
-4.4	6.415-01	4.951-04	3.387-03	2.726-04	1.267-07	1.911-09	2.462-09	2.884-12	9.263-11
-4.2	6.423-01	7.790-04	4.252-03	2.729-04	2.002-07	3.785-09	3.890-09	2.049-12	1.034-10
-4.0	6.430-01	1.222-03	5.328-03	2.731-04	3.158-07	7.475-09	6.136-09	1.456-12	1.152-10
-3.8	6.437-01	1.910-03	6.664-03	2.734-04	4.970-07	1.470-08	9.658-09	1.036-12	1.280-10
-3.6	6.444-01	2.966-03	8.310-03	2.737-04	7.797-07	2.873-08	1.516-08	7.389-13	1.419-10
-3.4	6.451-01	4.570-03	1.032-02	2.740-04	1.218-06	5.568-08	2.369-08	5.282-13	1.574-10
-3.2	6.459-01	6.960-03	1.275-02	2.744-04	1.891-06	1.067-07	3.681-08	3.790-13	1.697-10
-3.0	6.467-01	1.043-02	1.564-02	2.747-04	2.912-06	2.012-07	5.677-08	2.734-13	1.830-10
-2.8	6.514-01	1.532-02	1.899-02	2.750-04	4.433-06	3.715-07	8.669-08	1.986-13	1.944-10
-2.6	6.551-01	2.193-02	2.278-02	2.751-04	6.651-06	6.682-07	1.307-07	1.455-13	2.027-10
-2.4	6.593-01	3.060-02	2.692-02	2.749-04	9.801-06	1.165-06	1.947-07	1.077-13	2.065-10
-2.2	6.659-01	4.071-02	3.129-02	2.740-04	1.414-05	1.961-06	2.839-07	8.062-14	2.051-10
-2.0	6.728-01	5.253-02	3.573-02	2.720-04	1.995-05	3.181-06	4.074-07	6.102-14	1.983-10
-1.8	6.803-01	6.536-02	4.008-02	2.686-04	2.747-05	4.979-06	5.749-07	4.667-14	1.866-10
-1.6	6.882-01	7.857-02	4.420-02	2.639-04	3.692-05	7.520-06	7.965-07	3.603-14	1.712-10
-1.4	6.959-01	9.156-02	4.798-02	2.559-04	4.843-05	1.102-05	1.087-06	2.803-14	1.535-10
-1.2	7.033-01	1.038-01	5.137-02	2.461-04	6.205-05	1.572-05	1.464-06	2.195-14	1.349-10
-1.0	7.101-01	1.151-01	5.433-02	2.339-04	7.773-05	2.192-05	1.948-06	1.728-14	1.166-10
-.8	7.161-01	1.251-01	5.688-02	2.194-04	9.525-05	2.998-05	2.566-06	1.366-14	9.931-11
-.6	7.214-01	1.338-01	5.905-02	2.031-04	1.143-04	4.036-05	3.351-06	1.084-14	8.368-11
-.4	7.259-01	1.412-01	6.085-02	1.852-04	1.344-04	5.365-05	4.346-06	8.633-15	6.989-11
-.2	7.297-01	1.475-01	6.235-02	1.659-04	1.550-04	7.057-05	5.603-06	6.896-15	5.800-11
.0	7.328-01	1.527-01	6.358-02	1.476-04	1.756-04	9.210-05	7.191-06	5.526-15	4.791-11
.2	7.355-01	1.570-01	6.459-02	1.283-04	1.956-04	1.195-04	9.193-06	4.444-15	3.947-11
.4	7.376-01	1.605-01	6.538-02	1.112-04	2.144-04	1.543-04	1.172-05	3.588-15	3.247-11
.6	7.394-01	1.633-01	6.603-02	9.662-05	2.319-04	1.989-04	1.489-05	2.910-15	2.673-11
.8	7.408-01	1.656-01	6.655-02	7.961-05	2.476-04	2.563-04	1.889-05	2.373-15	2.205-11
1.0	7.419-01	1.674-01	6.695-02	6.624-05	2.615-04	3.313-04	2.393-05	1.947-15	1.825-11
1.2	7.429-01	1.689-01	6.725-02	5.455-05	2.737-04	4.310-04	3.026-05	1.610-15	1.519-11
1.4	7.436-01	1.700-01	6.746-02	4.444-05	2.842-04	5.678-04	3.822-05	1.344-15	1.273-11
1.6	7.443-01	1.709-01	6.759-02	3.580-05	2.932-04	7.637-04	4.822-05	1.137-15	1.078-11
1.8	7.448-01	1.715-01	6.762-02	2.846-05	3.009-04	1.063-03	6.076-05	9.768-16	9.252-12
2.0	7.452-01	1.718-01	6.753-02	2.223-05	3.074-04	1.563-03	7.645-05	8.590-16	8.092-12
2.2	7.447-01	1.717-01	6.724-02	1.696-05	3.130-04	2.506-03	9.595-05	7.810-16	7.272-12

T= 3400

LOG P	C2+	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.144-27	1.277-05	1.682-11	1.464-12	1.124-09	.000+00	2.189-08	.000+00	3.627-12
-6.8	7.231-27	1.151-05	1.339-11	2.092-12	6.399-10	.000+00	1.557-08	.000+00	2.580-12
-6.6	1.633-26	1.036-05	9.523-12	2.982-12	3.634-10	.000+00	1.107-08	.000+00	1.834-12
-6.4	3.682-26	9.304-06	6.766-12	4.243-12	2.060-10	.000+00	7.861-09	.000+00	1.303-12
-6.2	8.287-26	8.343-06	4.804-12	6.027-12	1.166-10	.000+00	5.580-09	.000+00	9.252-13
-6.0	1.863-25	7.472-06	3.409-12	8.551-12	6.588-11	.000+00	3.958-09	.000+00	6.566-13
-5.8	4.182-25	6.684-06	2.419-12	1.212-11	3.721-11	.000+00	2.807-09	.000+00	4.658-13
-5.6	9.377-25	5.975-06	1.715-12	1.716-11	2.100-11	.000+00	1.990-09	.000+00	3.303-13
-5.4	2.101-24	5.337-06	1.216-12	2.427-11	1.184-11	.000+00	1.410-09	.000+00	2.343-13
-5.2	4.701-24	4.764-06	8.625-13	3.430-11	6.677-12	.000+00	9.987-10	.000+00	1.661-13
-5.0	1.051-23	4.251-06	6.116-13	4.844-11	3.764-12	.000+00	7.073-10	.000+00	1.178-13
-4.8	2.346-23	3.791-06	4.337-13	6.834-11	2.121-12	.000+00	5.008-10	.000+00	8.354-14
-4.6	5.229-23	3.379-06	3.077-13	9.633-11	1.196-12	.000+00	3.544-10	.000+00	5.926-14
-4.4	1.163-22	3.011-06	2.183-13	1.356-10	6.743-13	.000+00	2.508-10	.000+00	4.206-14
-4.2	2.580-22	2.681-06	1.550-13	1.904-10	3.805-13	.000+00	1.774-10	.000+00	2.988-14
-4.0	5.700-22	2.386-06	1.102-13	2.672-10	2.148-13	.000+00	1.254-10	.000+00	2.124-14
-3.8	1.253-21	2.121-06	7.840-14	3.735-10	1.215-13	.000+00	8.859-11	.000+00	1.513-14
-3.6	2.733-21	1.884-06	5.589-14	5.199-10	6.883-14	.000+00	6.252-11	.000+00	1.079-14
-3.4	5.699-21	1.670-06	3.994-14	7.191-10	3.911-14	.000+00	4.405-11	.000+00	7.725-15
-3.2	1.275-20	1.477-06	2.864-14	9.863-10	2.231-14	.000+00	3.098-11	.000+00	5.553-15
-3.0	2.616-20	1.303-06	2.042-14	1.337-09	1.280-14	.000+00	2.173-11	.000+00	4.013-15
-2.8	5.311-20	1.145-06	1.493-14	1.785-09	7.392-15	.000+00	1.518-11	.000+00	2.922-15
-2.6	1.043-19	1.000-06	1.089-14	2.338-09	4.309-15	.000+00	1.055-11	.000+00	2.147-15
-2.4	1.968-19	8.688-07	7.991-15	2.992-09	2.537-15	.000+00	7.290-12	.000+00	1.594-15
-2.2	3.554-19	7.491-07	5.908-15	3.730-09	1.510-15	.000+00	5.000-12	.000+00	1.196-15
-2.0	6.122-19	6.408-07	4.394-15	4.523-09	9.094-16	.000+00	3.402-12	.000+00	9.042-16
-1.8	1.007-18	5.436-07	3.282-15	5.337-09	5.533-16	.000+00	2.296-12	.000+00	6.946-16
-1.6	1.587-18	4.575-07	2.455-15	6.134-09	3.397-16	.000+00	1.537-12	.000+00	5.331-16
-1.4	2.404-18	3.821-07	1.836-15	6.854-09	2.102-16	.000+00	1.021-12	.000+00	4.204-16
-1.2	3.520-18	3.170-07	1.368-15	7.544-09	1.309-16	.000+00	6.733-13	.000+00	3.298-16
-1.0	5.005-18	2.615-07	1.014-15	8.161-09	8.191-17	.000+00	4.415-13	.000+00	2.601-16
-.8	6.943-18	2.146-07	7.456-16	8.667-09	5.148-17	.000+00	2.881-13	.000+00	2.059-16
-.6	9.433-18	1.755-07	5.436-16	9.082-09	3.248-17	.000+00	1.873-13	.000+00	1.636-16
-.4	1.260-17	1.432-07	3.976-16	9.409-09	2.056-17	.000+00	1.214-13	.000+00	1.304-16
-.2	1.658-17	1.166-07	2.803-16	9.654-09	1.305-17	.000+00	7.857-14	.000+00	1.042-16
.0	2.157-17	9.494-08	1.982-16	9.822-09	8.318-18	.000+00	5.084-14	.000+00	8.356-17
.2	2.778-17	7.736-08	1.388-16	9.920-09	5.321-18	.000+00	3.292-14	.000+00	6.722-17
.4	3.547-17	6.315-08	9.634-17	9.957-09	3.419-18	.000+00	2.136-14	.000+00	5.429-17
.6	4.501-17	5.173-08	6.637-17	9.961-09	2.210-18	.000+00	1.391-14	.000+00	4.403-17
.8	5.685-17	4.260-08	4.546-17	9.885-09	1.438-18	.000+00	9.105-15	.000+00	3.589-17
1.0	7.168-17	3.533-08	3.101-17	9.805-09	9.440-19	.000+00	6.007-15	.000+00	2.942-17
1.2	9.054-17	2.960-08	2.110-17	9.725-09	6.272-19	.000+00	4.007-15	.000+00	2.430-17
1.4	1.152-16	2.516-08	1.436-17	9.682-09	4.235-19	.000+00	2.715-15	.000+00	2.026-17
1.6	1.491-16	2.183-08	9.793-18	9.735-09	2.925-19	.000+00	1.881-15	.000+00	1.706-17
1.8	1.989-16	1.951-08	6.708-18	9.980-09	2.089-19	.000+00	1.345-15	.000+00	1.455-17
2.0	2.796-16	1.822-08	4.629-18	1.059-08	1.566-19	.000+00	1.012-15	.000+00	1.267-17
2.2	4.275-16	1.820-08	3.235-18	1.190-08	1.266-19	.000+00	8.201-16	.000+00	1.133-17

T= 3400

LOG E	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	5.855-11	.000+00	3.088-23	8.197-02	3.322-01	7.405-03	1.973-07	2.378-05
-6.8	.000+00	2.630-11	.000+00	2.197-23	8.811-02	3.349-01	7.446-03	1.256-07	2.378-05
-6.6	.000+00	1.180-11	.000+00	1.562-23	9.516-02	3.371-01	7.514-03	7.980-08	2.414-05
-6.4	.000+00	5.291-12	.000+00	1.110-23	4.245-02	3.383-01	7.557-03	5.066-08	2.427-05
-6.2	.000+00	2.371-12	.000+00	7.879-24	3.414-02	3.403-01	7.590-03	3.210-08	2.438-05
-6.0	.000+00	1.062-12	.000+00	5.591-24	2.329-02	3.413-01	7.617-03	2.034-08	2.447-05
-5.8	.000+00	4.755-13	.000+00	3.966-24	2.179-02	3.422-01	7.639-03	1.287-08	2.454-05
-5.6	.000+00	2.129-13	.000+00	2.813-24	1.738-02	3.429-01	7.657-03	8.146-09	2.459-05
-5.4	.000+00	9.534-14	.000+00	1.995-24	1.385-02	3.432-01	7.671-03	5.154-09	2.464-05
-5.2	.000+00	4.270-14	.000+00	1.414-24	1.103-02	3.434-01	7.684-03	3.260-09	2.468-05
-5.0	.000+00	1.913-14	.000+00	1.003-24	8.779-03	3.434-01	7.694-03	2.062-09	2.471-05
-4.8	.000+00	8.573-15	.000+00	7.114-25	6.985-03	3.432-01	7.703-03	1.305-09	2.474-05
-4.6	.000+00	3.846-15	.000+00	5.047-25	5.557-03	3.429-01	7.712-03	8.260-10	2.477-05
-4.4	.000+00	1.727-15	.000+00	3.582-25	4.419-03	3.422-01	7.720-03	5.233-10	2.480-05
-4.2	.000+00	7.771-16	.000+00	2.544-25	3.515-03	3.411-01	7.729-03	3.318-10	2.483-05
-4.0	.000+00	3.505-16	.000+00	1.804-25	2.795-03	3.396-01	7.740-03	2.104-10	2.485-05
-3.8	.000+00	1.586-16	.000+00	1.288-25	2.223-03	3.375-01	7.752-03	1.342-10	2.488-05
-3.6	.000+00	7.214-17	.000+00	9.191-26	1.769-03	3.345-01	7.768-03	8.570-11	2.490-05
-3.4	.000+00	3.306-17	.000+00	6.579-26	1.408-03	3.302-01	7.790-03	5.449-11	2.492-05
-3.2	.000+00	1.527-17	.000+00	4.728-26	1.122-03	3.243-01	7.819-03	3.550-11	2.511-05
-3.0	.000+00	7.156-18	.000+00	3.418-26	8.946-04	3.162-01	7.859-03	2.312-11	2.526-05
-2.8	.000+00	3.407-18	.000+00	2.488-26	7.144-04	3.054-01	7.909-03	1.522-11	2.540-05
-2.6	.000+00	1.656-18	.000+00	1.824-26	5.714-04	2.914-01	7.975-03	1.015-11	2.552-05
-2.4	.000+00	8.242-19	.000+00	1.357-26	4.579-04	2.739-01	8.057-03	6.878-12	2.588-05
-2.2	.000+00	4.208-19	.000+00	1.019-26	3.676-04	2.533-01	8.154-03	4.736-12	2.619-05
-2.0	.000+00	2.203-19	.000+00	7.734-27	2.954-04	2.301-01	8.263-03	3.308-12	2.654-05
-1.8	.000+00	1.180-19	.000+00	5.931-27	2.376-04	2.053-01	8.379-03	2.342-12	2.691-05
-1.6	.000+00	6.439-20	.000+00	4.590-27	1.912-04	1.800-01	8.497-03	1.675-12	2.729-05
-1.4	.000+00	3.566-20	.000+00	3.579-27	1.537-04	1.554-01	8.612-03	1.208-12	2.766-05
-1.2	.000+00	1.995-20	.000+00	2.808-27	1.235-04	1.323-01	8.721-03	8.705-13	2.801-05
-1.0	.000+00	1.122-20	.000+00	2.214-27	9.914-05	1.112-01	8.819-03	6.278-13	2.833-05
-.8	.000+00	6.316-21	.000+00	1.753-27	7.947-05	9.257-02	8.906-03	4.519-13	2.861-05
-.6	.000+00	3.551-21	.000+00	1.392-27	6.362-05	7.637-02	8.982-03	3.219-13	2.885-05
-.4	.000+00	1.989-21	.000+00	1.109-27	5.087-05	6.254-02	9.047-03	2.278-13	2.906-05
-.2	.000+00	1.107-21	.000+00	8.859-28	4.063-05	5.091-02	9.102-03	1.596-13	2.923-05
.0	.000+00	6.124-22	.000+00	7.096-28	3.241-05	4.124-02	9.147-03	1.107-13	2.938-05
.2	.000+00	3.364-22	.000+00	5.700-28	2.583-05	3.327-02	9.185-03	7.586-14	2.950-05
.4	.000+00	1.835-22	.000+00	4.592-28	2.057-05	2.674-02	9.215-03	5.141-14	2.960-05
.6	.000+00	9.947-23	.000+00	3.710-28	1.636-05	2.144-02	9.240-03	3.446-14	2.968-05
.8	.000+00	5.363-23	.000+00	3.005-28	1.300-05	1.714-02	9.261-03	2.284-14	2.975-05
1.0	.000+00	2.878-23	.000+00	2.440-28	1.031-05	1.366-02	9.278-03	1.498-14	2.980-05
1.2	.000+00	1.538-23	.000+00	1.985-28	8.159-06	1.086-02	9.291-03	9.706-15	2.984-05
1.4	.000+00	8.188-24	.000+00	1.613-28	6.438-06	8.598-03	9.302-03	6.210-15	2.988-05
1.6	.000+00	4.338-24	.000+00	1.307-28	5.056-06	6.775-03	9.312-03	3.910-15	2.991-05
1.8	.000+00	2.284-24	.000+00	1.050-28	3.941-06	5.300-03	9.320-03	2.412-15	2.994-05
2.0	.000+00	1.190-24	.000+00	8.303-29	3.038-06	4.101-03	9.328-03	1.444-15	2.996-05
2.2	.000+00	6.111-25	.000+00	6.379-29	2.299-06	3.114-03	9.337-03	8.282-16	2.999-05

T= 3400

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.279-05	1.26139+00	8.46934+00	9.73073+00	5.53069+01	-5.40382+00	1.26139+00
-6.8	1.153-05	1.25102+00	8.12548+00	9.37651+00	5.43846+01	-5.40740+00	1.25102+00
-6.6	1.037-05	1.24266+00	7.84858+00	9.09135+00	5.35337+01	-5.41031+00	1.24266+00
-6.4	9.312-06	1.23594+00	7.62638+00	8.86232+00	5.27408+01	-5.21267+00	1.23594+00
-6.2	8.349-06	1.23053+00	7.44812+00	8.67865+00	5.19946+01	-5.01457+00	1.23053+00
-6.0	7.476-06	1.22619+00	7.30530+00	8.53168+00	5.12862+01	-4.81611+00	1.22619+00
-5.8	6.687-06	1.22268+00	7.19086+00	8.41354+00	5.06079+01	-4.61735+00	1.22268+00
-5.6	5.977-06	1.21984+00	7.09904+00	8.31867+00	4.99537+01	-4.41837+00	1.21984+00
-5.4	5.339-06	1.21751+00	7.02514+00	8.24265+00	4.93186+01	-4.21919+00	1.21751+00
-5.2	4.766-06	1.21558+00	6.96531+00	8.18085+00	4.86985+01	-4.01984+00	1.21558+00
-5.0	4.252-06	1.21394+00	6.91637+00	8.13031+00	4.80902+01	-3.82047+00	1.21334+00
-4.8	3.792-06	1.212 9+00	6.87562+00	8.08810+00	4.74907+01	-3.62099+00	1.21249+00
-4.6	3.380-06	1.21114+00	6.84069+00	8.05184+00	4.68977+01	-3.42147+00	1.21114+00
-4.4	3.011-06	1.20982+00	6.80941+00	8.01923+00	4.63090+01	-3.22195+00	1.20982+00
-4.2	2.681-06	1.20840+00	6.77959+00	7.98800+00	4.57224+01	-3.02245+00	1.20840+00
-4.0	2.386-06	1.20679+00	6.74886+00	7.95565+00	4.51355+01	-2.82304+00	1.20673+00
-3.8	2.121-06	1.20482+00	6.71442+00	7.91924+00	4.45458+01	-2.62375+00	1.20481+00
-3.6	1.883-06	1.20229+00	6.67282+00	7.87511+00	4.39469+01	-2.42466+00	1.20223+00
-3.4	1.670-06	1.19897+00	6.61968+00	7.81865+00	4.33434+01	-2.22586+00	1.19847+00
-3.2	1.477-06	1.19453+00	6.54963+00	7.74416+00	4.27226+01	-2.02747+00	1.19453+00
-3.0	1.302-06	1.18862+00	6.45651+00	7.64514+00	4.20807+01	-1.82962+00	1.18862+00
-2.8	1.143-06	1.18090+00	6.33415+00	7.51505+00	4.14126+01	-1.63265+00	1.18090+00
-2.6	9.983-07	1.17111+00	6.17789+00	7.34900+00	4.07147+01	-1.43607+00	1.17113+00
-2.4	8.681-07	1.15920+00	5.98655+00	7.14575+00	3.99868+01	-1.24051+00	1.15913+00
-2.2	7.456-07	1.14544+00	5.76388+00	6.90932+00	3.92334+01	-1.04570+00	1.14543+00
-2.0	6.365-07	1.13037+00	5.51858+00	6.64895+00	3.84640+01	-8.51650-01	1.13035+00
-1.8	5.385-07	1.11471+00	5.26256+00	6.37727+00	3.76911+01	-6.57500-01	1.11463+00
-1.6	4.515-07	1.09923+00	5.00828+00	6.10750+00	3.69270+01	-4.63580-01	1.09917+00
-1.4	3.754-07	1.08455+00	4.76641+00	5.85096+00	3.61824+01	-2.69620-01	1.08469+00
-1.2	3.096-07	1.07113+00	4.54653+00	5.61566+00	3.54662+01	-7.68300-02	1.07103+00
-1.0	2.534-07	1.05922+00	4.34693+00	5.40215+00	3.47741+01	1.29320-01	1.05907+00
-.8	2.061-07	1.04892+00	4.17507+00	5.22399+00	3.41189+01	3.16070-01	1.04868+00
-.6	1.665-07	1.04020+00	4.02842+00	5.06861+00	3.34913+01	5.12450-01	1.03982+00
-.4	1.338-07	1.03297+00	3.90511+00	4.93408+00	3.28927+01	7.09420-01	1.03238+00
-.2	1.070-07	1.02712+00	3.80267+00	4.82276+00	3.23160+01	9.04985-01	1.02613+00
.0	8.517-08	1.02256+00	3.71834+00	4.73090+00	3.17577+01	1.10502+00	1.02110+00
.2	6.749-08	1.01924+00	3.64944+00	4.66868+00	3.12188+01	1.30361+00	1.01693+00
.4	5.323-08	1.01719+00	3.59348+00	4.61066+00	3.06939+01	1.50273+00	1.01356+00
.6	4.182-08	1.01655+00	3.54824+00	4.56475+00	3.01805+01	1.70266+00	1.01078+00
.8	3.273-08	1.01767+00	3.51185+00	4.52952+00	2.96758+01	1.90234+00	1.00855+00
1.0	2.556-08	1.02116+00	3.48269+00	4.50385+00	2.91773+01	2.10443+00	1.00674+00
1.2	1.999-08	1.02708+00	3.45946+00	4.48354+00	2.86823+01	2.30736+00	1.00536+00
1.4	1.569-08	1.03615+00	3.44113+00	4.46128+00	2.81887+01	2.51243+00	1.00426+00
1.6	1.210-08	1.04714+00	3.42691+00	4.44707+00	2.76960+01	2.72030+00	1.00341+00
1.8	9.538-09	1.05253+00	3.41629+00	4.43988+00	2.72044+01	2.93337+00	1.00211+00
2.0	7.642-09	1.14425+00	3.40905+00	4.45331+00	2.66635+01	3.15386+00	1.00126+00
2.2	6.308-09	1.22619+00	3.40544+00	4.48142+00	2.61155+01	3.38134+00	1.00027+00

T= 3400

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	5.417-01	7.317-07	1.368-04	2.550-C4	1.020-10	1.409-13	4.543-12	7.162-10	2.666-11
-6.8	5.610-01	1.176-06	1.666-04	2.589-C4	2.923-10	2.678-13	7.456-12	5.224-10	3.238-11
-6.6	5.771-01	1.879-06	2.164-04	2.617-C4	4.681-10	5.852-13	1.215-11	3.789-10	3.655-11
-6.4	5.903-01	3.002-06	2.766-04	2.635-C4	7.483-10	1.186-12	1.970-11	2.735-10	4.120-11
-6.2	6.010-01	4.789-06	3.525-04	2.654-C4	1.194-C9	2.394-12	3.178-11	1.966-10	4.641-11
-6.0	6.098-01	7.627-06	4.480-04	2.669-04	1.903-09	4.822-12	5.109-11	1.410-10	5.222-11
-5.8	6.169-01	1.213-05	5.684-04	2.681-C4	3.028-09	9.690-12	8.188-11	1.008-10	5.873-11
-5.6	6.226-01	1.928-05	7.198-04	2.691-C4	4.814-C9	1.944-11	1.309-10	7.194-11	6.600-11
-5.4	6.271-01	3.061-05	9.102-04	2.699-C4	7.648-C9	3.894-11	2.089-10	5.127-11	7.412-11
-5.2	6.308-01	4.855-05	1.150-03	2.705-C4	1.214-08	7.789-11	3.327-10	3.649-11	8.320-11
-5.0	6.337-01	7.699-05	1.451-03	2.710-C4	1.926-08	1.556-10	5.292-10	2.595-11	9.334-11
-4.8	6.360-01	1.218-04	1.829-03	2.715-C4	3.053-08	3.105-10	8.406-10	1.864-11	1.046-10
-4.6	6.378-01	1.927-04	2.303-03	2.719-C4	4.837-08	6.186-10	1.334-09	1.310-11	1.172-10
-4.4	6.393-01	3.043-04	2.898-03	2.722-C4	7.658-08	1.231-09	2.114-09	9.305-12	1.312-10
-4.2	6.405-01	4.799-04	3.642-03	2.725-C4	1.211-07	2.444-09	3.349-09	6.600-12	1.467-10
-4.0	6.414-01	7.559-04	4.572-03	2.728-C4	1.913-07	4.840-09	5.287-09	4.696-12	1.637-10
-3.8	6.422-01	1.188-03	5.730-03	2.731-C4	3.018-07	9.558-09	8.341-09	3.339-12	1.824-10
-3.6	6.430-01	1.860-03	7.165-03	2.734-C4	4.749-07	1.879-08	1.313-08	2.377-12	2.026-10
-3.4	6.438-01	2.873-03	8.935-03	2.737-C4	7.452-07	3.672-08	2.060-08	1.695-12	2.240-10
-3.2	6.448-01	4.425-03	1.110-02	2.741-C4	1.164-06	7.115-08	3.219-08	1.212-12	2.463-10
-3.0	6.462-01	6.738-03	1.371-02	2.745-C4	1.808-06	1.363-07	5.001-08	8.696-13	2.686-10
-2.8	6.480-01	1.010-02	1.681-02	2.749-C4	2.784-C6	2.570-07	7.713-08	6.273-13	2.897-10
-2.6	6.506-01	1.484-02	2.041-02	2.752-C4	4.239-06	4.746-07	1.178-07	4.557-13	3.078-10
-2.4	6.542-01	2.174-02	2.449-02	2.754-C4	6.364-C6	8.541-07	1.776-07	3.338-13	3.211-10
-2.2	6.589-01	2.948-02	2.896-02	2.753-C4	9.386-06	1.490-06	2.640-07	2.470-13	3.275-10
-2.0	6.646-01	3.953-02	3.367-02	2.745-C4	1.356-05	2.511-06	3.858-07	1.848-13	3.256-10
-1.8	6.713-01	5.108-02	3.847-02	2.728-C4	1.916-05	4.079-06	5.541-07	1.399-13	3.152-10
-1.6	6.786-01	6.365-02	4.318-02	2.696-C4	2.642-05	6.389-06	7.817-07	1.070-13	2.971-10
-1.4	6.863-01	7.662-02	4.764-02	2.646-C4	3.557-05	9.670-06	1.084-06	8.257-14	2.731-10
-1.2	6.938-01	8.942-02	5.175-02	2.575-C4	4.676-05	1.419-05	1.481-06	6.426-14	2.453-10
-1.0	7.011-01	1.015-01	5.543-02	2.480-C4	6.005-05	2.027-05	1.995-06	5.034-14	2.160-10
-.8	7.077-01	1.127-01	5.866-02	2.361-C4	7.540-05	2.879-05	2.656-06	3.967-14	1.870-10
-.6	7.136-01	1.228-01	6.144-02	2.220-C4	9.263-C5	3.873-05	3.449-06	3.140-14	1.597-10
-.4	7.186-01	1.312-01	6.380-02	2.059-C4	1.114-04	5.220-05	4.571-06	2.496-14	1.349-10
-.2	7.233-01	1.386-01	6.577-02	1.882-C4	1.314-04	6.944-05	5.929-06	1.992-14	1.130-10
.0	7.270-01	1.448-01	6.740-02	1.696-C4	1.519-04	9.145-05	7.646-06	1.595-14	9.408-1
.2	7.302-01	1.500-01	6.874-02	1.506-C4	1.725-04	1.195-04	9.814-06	1.283-14	7.801-1
.4	7.328-01	1.542-01	6.983-02	1.318-C4	1.926-04	1.553-04	1.255-05	1.036-14	6.455-1
.6	7.349-01	1.577-01	7.071-02	1.139-C4	2.117-04	2.011-04	1.599-05	8.407-15	5.340-1
.8	7.366-01	1.605-01	7.141-02	9.704-05	2.294-04	2.601-04	2.033-05	6.861-15	4.424-1
1.0	7.380-01	1.628-01	7.196-02	8.169-C5	2.455-04	3.372-04	2.579-05	5.637-15	3.676-1
1.2	7.392-01	1.646-01	7.239-02	6.796-C5	2.598-04	4.398-04	3.266-05	4.669-15	3.071-1
1.4	7.401-01	1.660-01	7.270-02	5.587-C5	2.724-04	5.804-04	4.125-05	3.906-15	2.584-1
1.6	7.409-01	1.671-01	7.290-02	4.536-05	2.834-04	7.818-04	5.213-05	3.310-15	2.196-1
1.8	7.416-01	1.679-01	7.298-02	3.629-C5	2.928-04	1.089-03	6.573-05	2.853-15	1.892-1
2.0	7.421-01	1.684-01	7.292-02	2.852-C5	3.009-04	1.603-03	8.272-05	2.519-15	1.663-1
2.2	7.426-01	1.684-01	7.264-02	2.187-C5	3.079-04	2.371-03	1.038-04	2.303-15	1.503-1

T= 3500

LOG D	C2-	NC+	CO+	O-	N+	N++	O+	O++	A+
-7.0	4.457-27	1.830-05	5.118-11	1.747-12	5.074-C9	.000+00	5.731-08	.000+00	1.175-1
-6.8	1.015-26	1.661-05	3.653-11	2.511-12	2.907-C9	.000+00	4.086-08	.000+00	8.383-1
-6.6	2.306-26	1.503-05	2.603-11	3.598-12	1.659-C9	.000+00	2.910-08	.000+00	5.971-1
-6.4	5.220-26	1.356-05	1.853-11	5.141-12	9.447-10	.000+00	2.071-08	.000+00	4.249-1
-6.2	1.179-25	1.220-05	1.318-11	7.328-12	5.365-10	.000+00	1.472-08	.000+00	3.021-1
-6.0	2.658-25	1.096-05	9.364-12	1.043-11	3.041-10	.000+00	1.045-08	.000+00	2.146-1
-5.8	5.981-25	9.826-06	6.650-12	1.481-11	1.722-10	.000+00	7.420-09	.000+00	1.524-1
-5.6	1.344-24	8.800-06	4.720-12	2.101-11	9.732-11	.000+00	5.264-09	.000+00	1.082-1
-5.4	3.016-24	7.873-06	3.349-12	2.976-11	5.497-11	.000+00	3.732-09	.000+00	7.674-1
-5.2	6.761-24	7.037-06	2.375-12	4.212-11	3.103-11	.000+00	2.645-09	.000+00	5.444-1
-5.0	1.514-23	6.285-06	1.685-12	5.957-11	1.750-11	.000+00	1.874-09	.000+00	3.861-1
-4.8	3.384-23	5.610-06	1.195-12	8.415-11	9.871-12	.000+00	1.328-09	.000+00	2.739-1
-4.6	7.556-23	5.005-06	8.477-13	1.199-10	5.566-12	.000+00	9.402-10	.000+00	1.943-1
-4.4	1.684-22	4.462-06	6.014-13	1.674-10	3.139-12	.000+00	6.656-10	.000+00	1.379-1
-4.2	3.746-22	3.977-06	4.269-13	2.357-10	1.771-12	.000+00	4.710-10	.000+00	9.786-1
-4.0	8.307-22	3.541-06	3.032-13	3.312-10	9.992-13	.000+00	3.331-10	.000+00	6.952-1
-3.8	1.835-21	3.152-06	2.155-13	4.644-10	5.644-13	.000+00	2.355-10	.000+00	4.944-1
-3.6	4.032-21	2.802-06	1.534-13	6.490-10	3.192-13	.000+00	1.664-10	.000+00	3.521-1
-3.4	8.792-21	2.489-06	1.094-13	9.031-10	1.809-13	.000+00	1.174-10	.000+00	2.513-1
-3.2	1.897-20	2.206-06	7.818-14	1.249-C9	1.028-13	.000+00	8.275-11	.000+00	1.799-1
-3.0	4.034-20	1.952-06	5.607-14	1.713-C9	5.865-14	.000+00	5.820-11	.000+00	1.293-1
-2.8	8.409-20	1.722-06	4.039-14	2.322-C9	3.364-14	.000+00	4.087-11	.000+00	9.350-1
-2.6	1.708-19	1.513-06	2.926-14	3.100-C9	1.943-14	.000+00	2.852-11	.000+00	6.808-1
-2.4	3.356-19	1.322-06	2.133-14	4.061-C9	1.132-14	.000+00	1.983-11	.000+00	5.002-1
-2.2	6.339-19	1.149-06	1.567-14	5.199-C9	6.647-15	.000+00	1.371-11	.000+00	3.713-1
-2.0	1.146-18	9.908-07	1.159-14	6.486-C9	3.969-15	.000+00	9.406-12	.000+00	2.787-1
-1.8	1.977-18	8.480-07	8.626-15	7.871-C9	2.389-15	.000+00	6.405-12	.000+00	2.115-1
-1.6	3.257-18	7.200-07	6.449-15	9.292-C9	1.454-15	.000+00	4.326-12	.000+00	1.623-1
-1.4	5.138-18	6.065-07	4.832-15	1.069-C8	8.926-16	.000+00	2.899-12	.000+00	1.256-1
-1.2	7.792-18	5.071-07	3.619-15	1.200-C8	5.525-16	.000+00	1.927-12	.000+00	9.799-1
-1.0	1.142-17	4.212-07	2.703-15	1.318-C8	3.442-16	.000+00	1.273-12	.000+00	7.694-1
-.8	1.624-17	3.479-07	2.009-15	1.422-C8	2.156-16	.000+00	8.362-13	.000+00	6.073-1
-.6	2.252-17	2.861-07	1.483-15	1.509-C8	1.357-16	.000+00	5.466-13	.000+00	4.815-1
-.4	3.058-17	2.345-07	1.085-15	1.580-C8	8.577-17	.000+00	3.561-13	.000+00	3.832-1
-.2	4.080-17	1.918-07	7.868-16	1.634-C8	5.442-17	.000+00	2.315-13	.000+00	3.061-1
.0	5.364-17	1.567-07	5.649-16	1.674-C8	3.466-17	.000+00	1.503-13	.000+00	2.453-1
.2	6.965-17	1.281-07	4.016-16	1.699-C8	2.217-17	.000+00	9.764-14	.000+00	1.974-1
.4	8.953-17	1.049-07	2.830-16	1.712-C8	1.425-17	.000+00	6.354-14	.000+00	1.595-1
.6	1.141-16	8.612-08	1.978-16	1.714-C8	9.213-18	.000+00	4.148-14	.000+00	1.294-1
.8	1.447-16	7.108-08	1.373-16	1.709-C8	5.998-18	.000+00	2.722-14	.000+00	1.056-1
1.0	1.829-16	5.908-08	9.485-17	1.695-C8	3.941-18	.000+00	1.800-14	.000+00	8.669-1
1.2	2.313-16	4.961-08	6.530-17	1.682-C8	2.621-18	.000+00	1.203-14	.000+00	7.171-1
1.4	2.945-16	4.224-08	4.491-17	1.674-C8	1.771-18	.000+00	8.158-15	.000+00	5.985-1
1.6	3.809-16	3.670-08	3.093-17	1.681-C8	1.224-18	.000+00	5.657-15	.000+00	5.052-1
1.8	5.073-16	3.283-08	2.139-17	1.720-C8	8.740-19	.000+00	4.050-15	.000+00	4.327-1
2.0	7.109-16	3.068-08	1.490-17	1.820-C8	6.568-19	.000+00	3.041-15	.000+00	3.782-1
2.2	1.083-15	3.062-08	1.052-17	2.037-C8	5.279-19	.000+00	2.456-15	.000+00	3.401-1

T= 3500

LOG P	A**	C*	C**	VE*	N	O	A	C	VE
-7.0	.000+00	3.587-10	.000+00	1.761-22	1.260-01	3.246-01	7.234-03	5.677-07	2.324-05
-6.8	.000+00	1.614-10	.000+00	1.256-22	1.025-01	3.286-01	7.325-03	3.630-07	2.353-05
-6.6	.000+00	7.265-11	.000+00	8.966-23	8.302-02	3.320-01	7.401-03	2.316-07	2.377-05
-6.4	.000+00	3.264-11	.000+00	6.366-23	6.687-02	3.347-01	7.463-03	1.474-07	2.397-05
-6.2	.000+00	1.465-11	.000+00	4.524-23	5.387-02	3.369-01	7.514-03	9.369-08	2.413-05
-6.0	.000+00	6.568-12	.000+00	3.214-23	4.322-02	3.387-01	7.555-03	5.946-08	2.427-05
-5.8	.000+00	2.944-12	.000+00	2.283-23	3.468-02	3.401-01	7.589-03	3.770-08	2.438-05
-5.6	.000+00	1.319-12	.000+00	1.621-23	2.786-02	3.411-01	7.616-03	2.393-08	2.446-05
-5.4	.000+00	5.909-13	.000+00	1.150-23	2.209-02	3.419-01	7.639-03	1.513-08	2.454-05
-5.2	.000+00	2.647-13	.000+00	8.156-24	1.762-02	3.425-01	7.657-03	9.574-09	2.459-05
-5.0	.000+00	1.186-13	.000+00	5.785-24	1.404-02	3.429-01	7.672-03	6.059-09	2.464-05
-4.8	.000+00	5.314-14	.000+00	4.103-24	1.118-02	3.433-01	7.685-03	3.835-09	2.468-05
-4.6	.000+00	2.382-14	.000+00	2.911-24	8.931-03	3.436-01	7.696-03	2.427-09	2.472-05
-4.4	.000+00	1.069-14	.000+00	2.065-24	7.093-03	3.438-01	7.707-03	1.537-09	2.475-05
-4.2	.000+00	4.803-15	.000+00	1.466-24	5.635-03	3.441-01	7.716-03	9.739-10	2.478-05
-4.0	.000+00	2.162-15	.000+00	1.042-24	4.482-03	3.443-01	7.727-03	6.174-10	2.482-05
-3.8	.000+00	9.753-16	.000+00	7.408-25	3.565-03	3.392-01	7.738-03	3.925-10	2.445-05
-3.6	.000+00	4.416-16	.000+00	5.276-25	2.836-03	3.371-01	7.751-03	2.500-10	2.430-05
-3.4	.000+00	2.009-16	.000+00	3.766-25	2.257-03	3.360-01	7.768-03	1.597-10	2.445-05
-3.2	.000+00	9.208-17	.000+00	2.694-25	1.797-03	3.297-01	7.790-03	1.025-10	2.502-05
-3.0	.000+00	4.257-17	.000+00	1.938-25	1.431-03	3.238-01	7.820-03	6.620-11	2.512-05
-2.8	.000+00	1.595-17	.000+00	1.401-25	1.141-03	3.157-01	7.859-03	4.311-11	2.524-05
-2.6	.000+00	9.500-18	.000+00	1.020-25	9.114-04	3.050-01	7.910-03	2.839-11	2.541-05
-2.4	.000+00	4.619-18	.000+00	7.494-26	7.289-04	2.910-01	7.974-03	1.894-11	2.562-05
-2.2	.000+00	2.298-18	.000+00	5.563-26	5.840-04	2.737-01	8.054-03	1.283-11	2.588-05
-2.0	.000+00	1.173-18	.000+00	4.175-26	4.687-04	2.533-01	8.154-03	8.827-12	2.619-05
-1.8	.000+00	6.142-19	.000+00	3.169-26	3.766-04	2.302-01	8.262-03	6.169-12	2.654-05
-1.6	.000+00	3.290-19	.000+00	2.431-26	3.029-04	2.055-01	8.377-03	4.368-12	2.691-05
-1.4	.000+00	1.797-19	.000+00	1.882-26	2.436-04	1.804-01	8.435-03	3.124-12	2.729-05
-1.2	.000+00	9.964-20	.000+00	1.468-26	1.959-04	1.559-01	8.610-03	2.251-12	2.766-05
-1.0	.000+00	5.582-20	.000+00	1.152-26	1.574-04	1.327-01	8.718-03	1.627-12	2.800-05
-.8	.000+00	3.145-20	.000+00	9.095-27	1.263-04	1.117-01	8.817-03	1.174-12	2.832-05
-.6	.000+00	1.776-20	.000+00	7.209-27	1.012-04	9.297-02	8.905-03	8.450-13	2.860-05
-.4	.000+00	1.002-20	.000+00	5.735-27	8.105-05	7.672-02	8.981-03	6.041-13	2.885-05
-.2	.000+00	5.634-21	.000+00	4.578-27	6.480-05	6.285-02	9.046-03	4.283-13	2.905-05
.0	.000+00	3.152-21	.000+00	3.666-27	5.174-05	5.117-02	9.100-03	3.007-13	2.923-05
.2	.000+00	1.752-21	.000+00	2.945-27	4.127-05	4.145-02	9.146-03	2.084-13	2.938-05
.4	.000+00	9.679-22	.000+00	2.373-27	3.289-05	3.344-02	9.184-03	1.434-13	2.950-05
.6	.000+00	5.312-22	.000+00	1.919-27	2.617-05	2.687-02	9.215-03	9.728-14	2.960-05
.8	.000+00	2.898-22	.000+00	1.556-27	2.080-05	2.153-02	9.240-03	6.522-14	2.968-05
1.0	.000+00	1.573-22	.000+00	1.265-27	1.651-05	1.719-02	9.261-03	4.320-14	2.975-05
1.2	.000+00	8.496-23	.000+00	1.030-27	1.307-05	1.368-02	9.278-03	2.826-14	2.980-05
1.4	.000+00	4.566-23	.000+00	8.396-28	1.032-05	1.085-02	9.292-03	1.823-14	2.985-05
1.6	.000+00	2.442-23	.000+00	6.819-28	8.103-06	8.557-03	9.304-03	1.156-14	2.988-05
1.8	.000+00	1.297-23	.000+00	5.496-28	6.319-06	6.699-03	9.314-03	7.173-15	2.992-05
2.0	.000+00	6.827-24	.000+00	4.363-28	4.871-06	5.187-03	9.323-03	4.318-15	2.995-05
2.2	.000+00	3.538-24	.000+00	3.370-28	3.699-06	3.946-03	9.334-03	2.689-15	2.998-05

T= 3500

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.836-05	1.29108+00	9.28007+00	1.05712+01	5.63745+01	-5.78113+00	1.29109+00
-6.8	1.686-05	1.27505+00	8.76373+00	1.00388+01	5.52675+01	-5.58655+00	1.27505+00
-6.6	1.556-05	1.26205+00	8.34488+00	9.60493+00	5.42645+01	-5.39100+00	1.26205+00
-6.4	1.358-05	1.25153+00	8.00852+00	9.25805+00	5.33475+01	-5.13464+00	1.25153+00
-6.2	1.221-05	1.24305+00	7.73603+00	8.97768+00	5.25007+01	-4.99759+00	1.24305+00
-6.0	1.097-05	1.23622+00	7.51510+00	8.75132+00	5.17109+01	-4.79999+00	1.23622+00
-5.8	9.836-06	1.23072+00	7.33944+00	8.57016+00	5.09673+01	-4.60192+00	1.23072+00
-5.6	8.805-06	1.22629+00	7.19857+00	8.42486+00	5.02607+01	-4.40348+00	1.22629+00
-5.4	7.876-06	1.22270+00	7.08554+00	8.30824+00	4.95838+01	-4.20476+00	1.22270+00
-5.2	7.040-06	1.21978+00	6.99465+00	8.21443+00	4.89306+01	-4.00580+00	1.21978+00
-5.0	6.287-06	1.21736+00	6.92123+00	8.13856+00	4.82960+01	-3.80666+00	1.21736+00
-4.8	5.612-06	1.21533+00	6.86142+00	8.07675+00	4.76760+01	-3.60736+00	1.21533+00
-4.6	5.006-06	1.21356+00	6.81200+00	8.02557+00	4.70674+01	-3.40802+00	1.21356+00
-4.4	4.463-06	1.21196+00	6.77019+00	7.98215+00	4.64670+01	-3.20859+00	1.21196+00
-4.2	3.977-06	1.21042+00	6.73346+00	7.94388+00	4.58725+01	-3.00914+00	1.21042+00
-4.0	3.542-06	1.20883+00	6.69933+00	7.90922+00	4.52814+01	-2.80971+00	1.20883+00
-3.8	3.152-06	1.20706+00	6.66545+00	7.87250+00	4.46912+01	-2.61035+00	1.20706+00
-3.6	2.802-06	1.20495+00	6.62874+00	7.83370+00	4.40991+01	-2.41111+00	1.20495+00
-3.4	2.488-06	1.20232+00	6.58824+00	7.78815+00	4.35018+01	-2.21206+00	1.20232+00
-3.2	2.205-06	1.19891+00	6.53241+00	7.73132+00	4.28955+01	-2.01329+00	1.19891+00
-3.0	1.950-06	1.19441+00	6.46332+00	7.65773+00	4.22753+01	-1.81492+00	1.19441+00
-2.8	1.720-06	1.18867+00	6.37242+00	7.56105+00	4.16358+01	-1.61709+00	1.18867+00
-2.6	1.510-06	1.18075+00	6.25438+00	7.43514+00	4.09720+01	-1.41992+00	1.18075+00
-2.4	1.318-06	1.17100+00	6.10409+00	7.27506+00	4.02801+01	-1.22352+00	1.17099+00
-2.2	1.144-06	1.15917+00	5.92044+00	7.07960+00	3.95599+01	-1.02793+00	1.15916+00
-2.0	9.847-07	1.14544+00	5.70878+00	6.85228+00	3.88155+01	-8.33080-01	1.14548+00
-1.8	8.405-07	1.13051+00	5.47122+00	6.60173+00	3.80558+01	-6.39[illegible]+01	1.13049+00
-1.6	7.110-07	1.11483+00	5.22499+00	6.33992+00	3.72925+01	-4.44430-01	1.11488+00
-1.4	5.960-07	1.09950+00	4.98001+00	6.07951+00	3.65377+01	-2.50880-01	1.09944+00
-1.2	4.953-07	1.08486+00	4.74658+00	5.83146+00	3.58016+01	-5.67100-02	1.08476+00
-1.0	4.082-07	1.07146+00	4.53211+00	5.60356+00	3.50904+01	1.37900-01	1.07130+00
-.8	3.339-07	1.05956+00	4.34082+00	5.40035+00	3.44065+01	3.33350-01	1.05932+00
-.6	2.712-07	1.04928+00	4.17427+00	5.22356+00	3.37565+01	5.28420-01	1.04891+00
-.4	2.188-07	1.04061+00	4.03200+00	5.07261+00	3.31330+01	7.25210-01	1.04002+00
-.2	1.756-07	1.03347+00	3.91229+00	4.94576+00	3.25358+01	9.22220-01	1.03254+00
.0	1.401-07	1.02773+00	3.81276+00	4.84055+00	3.19617+01	1.11983+00	1.02632+00
.2	1.112-07	1.02332+00	3.73079+00	4.75430+00	3.14075+01	1.31802+00	1.02120+00
.4	8.781-08	1.02006+00	3.66378+00	4.68446+00	3.08698+01	1.51680+00	1.01700+00
.6	6.926-08	1.01783+00	3.60935+00	4.62871+00	3.03457+01	1.71625+00	1.01358+00
.8	5.465-08	1.01643+00	3.56536+00	4.58529+00	2.98323+01	1.91643+00	1.01080+00
1.0	4.317-08	1.01547+00	3.52999+00	4.55296+00	2.93266+01	2.11778+00	1.00854+00
1.2	3.282-08	1.01463+00	3.50171+00	4.53122+00	2.88259+01	2.32056+00	1.00669+00
1.4	2.553-08	1.01412+00	3.47928+00	4.52056+00	2.83269+01	2.52543+00	1.00517+00
1.6	1.991-08	1.01403+00	3.46177+00	4.52280+00	2.78257+01	2.73365+00	1.00390+00
1.8	1.565-08	1.01316+00	3.44852+00	4.54169+00	2.73170+01	2.94661+00	1.00282+00
2.0	1.250-08	1.01444+00	3.43922+00	4.58388+00	2.67934+01	3.16660+00	1.00177+00
2.2	1.027-08	1.22432+00	3.43404+00	4.66036+00	2.62437+01	3.39652+00	1.00085+00

T= 3600

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.930-01	4.451-07	1.061-04	2.460-04	1.092-10	8.729-14	3.589-12	2.011-09	3.906-11
-6.8	5.200-01	7.197-07	1.383-04	2.510-04	1.706-10	1.009-13	5.998-12	1.480-09	4.476-11
-6.6	5.428-01	1.150-06	1.793-04	2.552-04	2.844-10	1.703-13	9.925-12	1.096-09	5.007-11
-6.4	5.620-01	1.857-06	2.310-04	2.586-04	4.565-10	2.561-13	1.628-11	7.975-10	5.650-11
-6.2	5.779-01	2.972-06	2.963-04	2.614-04	7.316-10	4.597-13	2.652-11	5.782-10	6.365-11
-6.0	5.909-01	4.767-06	3.787-04	2.636-04	1.169-09	8.113-13	4.298-11	4.173-10	7.197-11
-5.8	6.016-01	7.569-06	4.825-04	2.655-04	1.865-09	6.283-13	6.932-11	3.000-10	8.105-11
-5.6	6.102-01	1.205-05	6.133-04	2.670-04	2.972-09	1.265-11	1.114-10	2.150-10	9.120-11
-5.4	6.172-01	1.917-05	7.778-04	2.682-04	4.729-09	2.542-11	1.785-10	1.538-10	1.025-10
-5.2	6.228-01	3.045-05	9.847-04	2.692-04	7.518-09	5.097-11	2.852-10	1.097-10	1.152-10
-5.0	6.273-01	4.832-05	1.245-03	2.699-04	1.194-08	1.020-10	4.550-10	7.821-11	1.293-10
-4.8	6.309-01	7.659-05	1.572-03	2.706-04	1.895-08	2.040-10	7.264-10	5.568-11	1.451-10
-4.6	6.337-01	1.213-04	1.983-03	2.711-04	3.005-08	4.071-10	1.152-09	3.960-11	1.627-10
-4.4	6.360-01	1.918-04	2.498-03	2.716-04	4.761-08	8.116-10	1.828-09	2.815-11	1.823-10
-4.2	6.378-01	3.030-04	3.143-03	2.720-04	7.538-08	1.614-09	2.899-09	2.001-11	2.040-10
-4.0	6.393-01	4.777-04	3.951-03	2.724-04	1.192-07	3.205-09	4.599-09	1.422-11	2.281-10
-3.8	6.405-01	7.513-04	4.960-03	2.727-04	1.883-07	6.348-09	7.293-09	1.011-11	2.546-10
-3.6	6.414-01	1.178-03	6.216-03	2.730-04	2.970-07	1.253-08	1.156-08	7.168-12	2.835-10
-3.4	6.423-01	1.830-03	7.772-03	2.734-04	4.676-07	2.462-08	1.801-08	5.119-12	3.147-10
-3.2	6.432-01	2.856-03	9.689-03	2.739-04	7.331-07	4.808-08	2.825-08	3.651-12	3.479-10
-3.0	6.443-01	4.392-03	1.203-02	2.742-04	1.145-06	9.309-08	4.412-08	2.612-12	3.823-10
-2.8	6.456-01	6.682-03	1.485-02	2.766-04	1.777-06	1.781-07	6.852-08	1.875-12	4.166-10
-2.6	6.475-01	1.001-02	1.820-02	2.751-04	2.736-06	3.355-07	1.056-07	1.353-12	4.490-10
-2.4	6.501-01	1.468-02	2.209-02	2.755-04	4.164-06	6.189-07	1.611-07	9.832-13	4.769-10
-2.2	6.535-01	2.100-02	2.649-02	2.757-04	6.249-06	1.112-06	2.429-07	7.206-13	4.971-10
-2.0	6.581-01	2.911-02	3.130-02	2.757-04	9.213-06	1.938-06	3.607-07	5.335-13	5.067-10
-1.8	6.637-01	3.899-02	3.637-02	2.750-04	1.331-05	3.263-06	5.268-07	3.994-13	5.037-10
-1.6	6.702-01	5.034-02	4.153-02	2.733-04	1.880-05	5.295-06	7.560-07	3.023-13	4.876-10
-1.4	6.773-01	6.269-02	4.660-02	2.702-04	2.594-05	8.288-06	1.066-06	2.313-13	4.597-10
-1.2	6.848-01	7.543-02	5.139-02	2.654-04	3.493-05	1.254-05	1.478-06	1.787-13	4.226-10
-1.0	6.922-01	8.800-02	5.581-02	2.584-04	4.595-05	1.839-05	2.018-06	1.392-13	3.799-10
-.8	6.992-01	9.991-02	5.977-02	2.491-04	5.905-05	2.627-05	2.717-06	1.092-13	3.349-10
-.6	7.057-01	1.108-01	6.324-02	2.374-04	7.421-05	3.666-05	3.616-06	8.614-14	2.904-10
-.4	7.115-01	1.206-01	6.622-02	2.234-04	9.127-05	5.019-05	4.763-06	6.831-14	2.485-10
-.2	7.165-01	1.290-01	6.875-02	2.075-04	1.099-04	6.765-05	6.222-06	5.443-14	2.104-10
.0	7.209-01	1.363-01	7.087-02	1.899-04	1.298-04	9.004-05	8.069-06	4.355-14	1.768-10
.2	7.246-01	1.424-01	7.262-02	1.713-04	1.503-04	1.187-04	1.040-05	3.501-14	1.477-10
.4	7.276-01	1.475-01	7.406-02	1.523-04	1.709-04	1.553-04	1.335-05	2.827-14	1.230-10
.6	7.302-01	1.517-01	7.523-02	1.335-04	1.911-04	2.022-04	1.707-05	2.296-14	1.023-10
.8	7.322-01	1.551-01	7.616-02	1.153-04	2.103-04	2.620-04	2.175-05	1.875-14	8.515-11
1.0	7.339-01	1.578-01	7.691-02	9.829-05	2.282-04	3.418-04	2.765-05	1.542-14	7.107-11
1.2	7.353-01	1.601-01	7.749-02	8.269-05	2.446-04	4.471-04	3.507-05	1.279-14	5.961-11
1.4	7.365-01	1.618-01	7.792-02	6.865-05	2.592-04	5.914-04	4.439-05	1.072-14	5.034-11
1.6	7.374-01	1.632-01	7.822-02	5.622-05	2.722-04	7.981-04	5.610-05	9.104-15	4.295-11
1.8	7.382-01	1.642-01	7.837-02	4.533-05	2.835-04	1.114-03	7.078-05	7.871-15	3.717-11
2.0	7.389-01	1.649-01	7.836-02	3.585-05	2.934-04	1.640-03	8.912-05	6.975-15	3.283-11
2.2	7.395-01	1.650-01	7.810-02	2.765-05	3.020-04	2.632-03	1.119-04	6.406-15	2.984-11

T= 3600

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.017-27	2.529-05	1.307-10	2.031-12	2.073-08	.000+00	1.416-07	.000+00	3.553-11
-6.8	1.382-26	2.317-05	9.371-11	2.945-12	1.199-08	.000+00	1.012-07	.000+00	2.541-11
-6.6	3.160-26	2.112-05	6.700-11	4.249-12	6.894-09	.000+00	7.228-08	.000+00	1.814-11
-6.4	7.197-26	1.917-05	4.783-11	6.106-12	3.949-09	.000+00	5.154-08	.000+00	1.294-11
-6.2	1.633-25	1.734-05	3.409-11	8.746-12	2.254-09	.000+00	3.670-08	.000+00	9.215-12
-6.0	3.697-25	1.564-05	2.426-11	1.249-11	1.283-09	.000+00	2.611-08	.000+00	6.558-12
-5.8	8.348-25	1.407-05	1.726-11	1.780-11	7.288-10	.000+00	1.856-08	.000+00	4.663-12
-5.6	1.881-24	1.264-05	1.226-11	2.532-11	4.131-10	.000+00	1.318-08	.000+00	3.313-12
-5.4	4.231-24	1.133-05	8.708-12	3.596-11	2.338-10	.000+00	9.356-09	.000+00	2.353-12
-5.2	9.503-24	1.015-05	6.182-12	5.099-11	1.322-10	.000+00	6.637-09	.000+00	1.670-12
-5.0	2.131-23	9.078-06	4.387-12	7.222-11	7.468-11	.000+00	4.705-09	.000+00	1.185-12
-4.8	4.774-23	8.113-06	3.113-12	1.022-10	4.216-11	.000+00	3.335-09	.000+00	8.408-13
-4.6	1.068-22	7.245-06	2.208-12	1.444-10	2.379-11	.000+00	2.363-09	.000+00	5.965-13
-4.4	2.384-22	6.466-06	1.567-12	2.038-10	1.342-11	.000+00	1.673-09	.000+00	4.233-13
-4.2	5.313-22	5.766-06	1.112-12	2.873-10	7.571-12	.000+00	1.185-09	.000+00	3.004-13
-4.0	1.181-21	5.139-06	7.895-13	4.045-10	4.272-12	.000+00	8.384-10	.000+00	2.133-13
-3.8	2.619-21	4.578-06	5.608-13	5.684-10	2.412-12	.000+00	5.930-10	.000+00	1.516-13
-3.6	5.783-21	4.074-06	3.988-13	7.967-10	1.363-12	.000+00	4.193-10	.000+00	1.078-13
-3.4	1.270-20	3.622-06	2.839-13	1.113-09	7.710-13	.000+00	2.962-10	.000+00	7.682-14
-3.2	2.766-20	3.217-06	2.025-13	1.548-09	4.371-13	.000+00	2.090-10	.000+00	5.485-14
-3.0	5.982-20	2.852-06	1.448-13	2.140-09	2.485-13	.000+00	1.473-10	.000+00	3.928-14
-2.8	1.266-19	2.523-06	1.039-13	2.932-09	1.418-13	.000+00	1.036-10	.000+00	2.825-14
-2.6	2.636-19	2.225-06	7.491-14	3.972-09	8.139-14	.000+00	7.264-11	.000+00	2.044-14
-2.4	5.344-19	1.954-06	5.430-14	5.298-09	4.704-14	.000+00	5.076-11	.000+00	1.489-14
-2.2	1.048-18	1.708-06	3.963-14	6.933-09	2.743-14	.000+00	3.529-11	.000+00	1.095-14
-2.0	1.977-18	1.484-06	2.913-14	8.866-09	1.616-14	.000+00	2.439-11	.000+00	8.130-15
-1.8	3.568-18	1.280-06	2.157-14	1.105-08	9.623-15	.000+00	1.674-11	.000+00	6.107-15
-1.6	6.147-18	1.096-06	1.607-14	1.339-08	5.797-15	.000+00	1.141-11	.000+00	4.639-15
-1.4	1.011-17	9.307-07	1.203-14	1.579-08	3.529-15	.000+00	7.707-12	.000+00	3.561-15
-1.2	1.593-17	7.844-07	9.026-15	1.814-08	2.169-15	.000+00	5.167-12	.000+00	2.759-15
-1.0	2.413-17	6.564-07	6.773-15	2.034-08	1.344-15	.000+00	3.439-12	.000+00	2.155-15
-.8	3.531-17	5.459-07	5.070-15	2.233-08	8.382-16	.000+00	2.275-12	.000+00	1.694-15
-.6	5.015-17	4.516-07	3.777-15	2.404-08	5.259-16	.000+00	1.496-12	.000+00	1.339-15
-.4	6.943-17	3.721-07	2.796-15	2.547-08	3.317-16	.000+00	9.801-13	.000+00	1.064-15
-.2	9.411-17	3.057-07	2.054-15	2.661-08	2.101-16	.000+00	6.401-13	.000+00	8.486-16
.0	1.253-16	2.508-07	1.496-15	2.747-08	1.337-16	.000+00	4.174-13	.000+00	6.798-16
.2	1.643-16	2.057-07	1.079-15	2.806-08	8.551-17	.000+00	2.721-13	.000+00	5.468-16
.4	2.129-16	1.689-07	7.716-16	2.840-08	5.496-17	.000+00	1.776-13	.000+00	4.419-16
.6	2.730-16	1.391-07	5.471-16	2.854-08	3.554-17	.000+00	1.163-13	.000+00	3.548-16
.8	3.476-16	1.151-07	3.851-16	2.850-08	2.319-17	.000+00	7.651-14	.000+00	2.930-16
1.0	4.407-16	9.592-08	2.695-16	2.834-08	1.522-17	.000+00	5.070-14	.000+00	2.409-16
1.2	5.585-16	8.071-08	1.879-16	2.814-08	1.013-17	.000+00	3.396-14	.000+00	1.995-16
1.4	7.119-16	6.886-08	1.307-16	2.801-08	6.851-18	.000+00	2.306-14	.000+00	1.658-16
1.6	9.208-16	5.992-08	9.097-17	2.811-08	4.737-18	.000+00	1.601-14	.000+00	1.412-16
1.8	1.225-15	5.367-08	6.356-17	2.872-08	3.383-18	.000+00	1.146-14	.000+00	1.213-16
2.0	1.714-15	5.017-08	4.474-17	3.031-08	2.533-18	.000+00	8.597-15	.000+00	1.064-16
2.2	2.602-15	5.004-08	3.193-17	3.379-08	2.037-18	.000+00	6.922-15	.000+00	9.617-17

T= 3600

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	1.972-09	.000+00	9.076-22	1.852-01	3.143-01	7.004-03	1.520-06	2.250-05
-6.8	.000+00	8.920-10	.000+00	6.489-22	1.524-01	3.220-01	7.132-03	9.740-07	2.291-05
-6.6	.000+00	4.034-10	.000+00	4.633-22	1.246-01	3.249-01	7.240-03	6.280-07	2.325-05
-6.4	.000+00	1.813-10	.000+00	3.304-22	1.014-01	3.288-01	7.330-03	4.016-07	2.354-05
-6.2	.000+00	8.154-11	.000+00	2.354-22	8.206-02	3.321-01	7.405-03	2.562-07	2.378-05
-6.0	.000+00	3.663-11	.000+00	1.675-22	6.619-02	3.347-01	7.466-03	1.631-07	2.398-05
-5.8	.000+00	1.644-11	.000+00	1.191-22	5.323-02	3.369-01	7.517-03	1.036-07	2.414-05
-5.6	.000+00	7.375-12	.000+00	8.461-23	4.270-02	3.386-01	7.558-03	6.579-08	2.428-05
-5.4	.000+00	3.306-12	.000+00	6.008-23	3.418-02	3.399-01	7.591-03	4.172-08	2.438-05
-5.2	.000+00	1.482-12	.000+00	4.265-23	2.733-02	3.409-01	7.619-03	2.644-08	2.447-05
-5.0	.000+00	6.641-13	.000+00	3.027-23	2.182-02	3.416-01	7.641-03	1.674-08	2.454-05
-4.8	.000+00	2.976-13	.000+00	2.147-23	1.740-02	3.421-01	7.660-03	1.060-08	2.460-05
-4.6	.000+00	1.334-13	.000+00	1.524-23	1.387-02	3.423-01	7.675-03	6.712-09	2.465-05
-4.4	.000+00	5.985-14	.000+00	1.081-23	1.104-02	3.422-01	7.689-03	4.250-09	2.470-05
-4.2	.000+00	2.687-14	.000+00	7.673-24	8.792-03	3.419-01	7.701-03	2.693-09	2.474-05
-4.0	.000+00	1.208-14	.000+00	5.448-24	6.597-03	3.413-01	7.712-03	1.707-09	2.477-05
-3.8	.000+00	5.437-15	.000+00	3.872-24	5.257-03	3.402-01	7.724-03	1.081-09	2.481-05
-3.6	.000+00	2.455-15	.000+00	2.754-24	4.629-03	3.387-01	7.736-03	6.845-10	2.485-05
-3.4	.000+00	1.112-15	.000+00	1.962-24	3.524-03	3.365-01	7.751-03	4.337-10	2.490-05
-3.2	.000+00	5.064-16	.000+00	1.401-24	2.804-03	3.333-01	7.769-03	2.804-10	2.495-05
-3.0	.000+00	2.322-16	.000+00	1.003-24	2.233-03	3.289-01	7.792-03	1.801-10	2.503-05
-2.8	.000+00	1.075-16	.000+00	7.216-25	1.779-03	3.229-01	7.822-03	1.164-10	2.513-05
-2.6	.000+00	5.043-17	.000+00	5.219-25	1.419-03	3.147-01	7.862-03	7.587-11	2.525-05
-2.4	.000+00	2.405-17	.000+00	3.803-25	1.133-03	3.038-01	7.915-03	4.999-11	2.542-05
-2.2	.000+00	1.171-17	.000+00	2.795-25	9.060-04	2.898-01	7.981-03	3.339-11	2.564-05
-2.0	.000+00	5.835-18	.000+00	2.076-25	7.259-04	2.724-01	8.063-03	2.263-11	2.590-05
-1.8	.000+00	2.983-18	.000+00	1.560-25	5.825-04	2.519-01	8.160-03	1.551-11	2.621-05
-1.6	.000+00	1.566-18	.000+00	1.185-25	4.650-04	2.289-01	8.268-03	1.090-11	2.656-05
-1.4	.000+00	8.397-19	.000+00	9.093-26	3.763-04	2.043-01	8.383-03	7.725-12	2.693-05
-1.2	.000+00	4.591-19	.000+00	7.045-26	3.026-04	1.792-01	8.500-03	5.531-12	2.730-05
-1.0	.000+00	2.551-19	.000+00	5.501-26	2.433-04	1.548-01	8.615-03	3.987-12	2.767-05
-.8	.000+00	1.432-19	.000+00	4.324-26	1.954-04	1.318-01	8.722-03	2.883-12	2.802-05
-.6	.000+00	8.091-20	.000+00	3.418-26	1.568-04	1.109-01	8.820-03	2.094-12	2.833-05
-.4	.000+00	4.583-20	.000+00	2.714-26	1.257-04	9.232-02	8.908-03	1.501-12	2.861-05
-.2	.000+00	2.595-20	.000+00	2.164-26	1.006-04	7.617-02	8.983-03	1.074-12	2.885-05
.0	.000+00	1.465-20	.000+00	1.731-26	8.041-05	6.239-02	9.048-03	7.624-13	2.904-05
.2	.000+00	8.231-21	.000+00	1.391-26	6.419-05	5.079-02	9.102-03	5.358-13	2.924-05
.4	.000+00	4.600-21	.000+00	1.121-26	5.119-05	4.113-02	9.148-03	3.724-13	2.938-05
.6	.000+00	2.555-21	.000+00	9.068-27	4.076-05	3.316-02	9.185-03	2.554-13	2.950-05
.8	.000+00	1.411-21	.000+00	7.360-27	3.242-05	2.663-02	9.216-03	1.735-13	2.960-05
1.0	.000+00	7.745-22	.000+00	5.991-27	2.574-05	2.131-02	9.242-03	1.162-13	2.968-05
1.2	.000+00	4.229-22	.000+00	4.888-27	2.039-05	1.699-02	9.262-03	7.676-14	2.975-05
1.4	.000+00	2.297-22	.000+00	3.989-27	1.610-05	1.349-02	9.280-03	4.995-14	2.981-05
1.6	.000+00	1.241-22	.000+00	3.248-27	1.265-05	1.065-02	9.294-03	3.193-14	2.985-05
1.8	.000+00	6.655-23	.000+00	2.626-27	9.865-06	8.348-03	9.306-03	1.995-14	2.989-05
2.0	.000+00	3.535-23	.000+00	2.092-27	7.607-06	6.468-03	9.318-03	1.209-14	2.993-05
2.2	.000+00	1.852-23	.000+00	1.625-27	5.763-06	4.925-03	9.330-03	7.009-15	2.997-05

T= 3600

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	2.546-05	1.33319+00	1.04354+01	1.17686+01	5.78064+01	-5.75495+00	1.33319+00
-6.8	2.329-05	1.30952+00	9.69400+00	1.10035+01	5.64567+01	-5.56273+00	1.30952+00
-6.6	2.120-05	1.29009+00	9.03534+00	1.03754+01	5.52466+01	-5.36922+00	1.29009+00
-6.4	1.923-05	1.27423+00	8.58905+00	9.86328+00	5.41630+01	-5.17659+00	1.27423+00
-6.2	1.738-05	1.26136+00	8.18852+00	9.44788+00	5.31767+01	-4.97900+00	1.26136+00
-6.0	1.567-05	1.25096+00	7.86134+00	9.11230+00	5.22731+01	-4.78260+00	1.25096+00
-5.8	1.409-05	1.24256+00	7.59965+00	8.84201+00	5.14372+01	-4.58553+00	1.24256+00
-5.6	1.265-05	1.23579+00	7.38895+00	8.62474+00	5.06561+01	-4.38790+00	1.23579+00
-5.4	1.134-05	1.23032+00	7.21995+00	8.45028+00	4.99193+01	-4.18982+00	1.23032+00
-5.2	1.016-05	1.22591+00	7.08427+00	8.31017+00	4.92181+01	-3.99159+00	1.22591+00
-5.0	9.083-06	1.22231+00	6.97518+00	8.19768+00	4.85453+01	-3.79266+00	1.22231+00
-4.8	8.116-06	1.21935+00	6.88715+00	8.10650+00	4.78951+01	-3.59371+00	1.21935+00
-4.6	7.247-06	1.21688+00	6.81564+00	8.03252+00	4.72626+01	-3.39460+00	1.21688+00
-4.4	6.467-06	1.21475+00	6.75685+00	7.97160+00	4.66439+01	-3.19536+00	1.21475+00
-4.2	5.767-06	1.21285+00	6.70752+00	7.92037+00	4.60356+01	-2.99604+00	1.21285+00
-4.0	5.140-06	1.21106+00	6.66477+00	7.87583+00	4.54348+01	-2.79668+00	1.21106+00
-3.8	4.578-06	1.20925+00	6.62733+00	7.83514+00	4.48386+01	-2.59733+00	1.20925+00
-3.6	4.074-06	1.20729+00	6.58813+00	7.79542+00	4.42444+01	-2.39803+00	1.20729+00
-3.4	3.622-06	1.20502+00	6.54846+00	7.75368+00	4.36492+01	-2.19885+00	1.20502+00
-3.2	3.216-06	1.20222+00	6.50337+00	7.70555+00	4.30458+01	-1.99986+00	1.20222+00
-3.0	2.850-06	1.19866+00	6.44858+00	7.64724+00	4.24422+01	-1.80115+00	1.19865+00
-2.8	2.520-06	1.19401+00	6.37901+00	7.57302+00	4.18217+01	-1.60284+00	1.19401+00
-2.6	2.221-06	1.18793+00	6.28892+00	7.47686+00	4.11830+01	-1.40505+00	1.18793+00
-2.4	1.949-06	1.18010+00	6.17264+00	7.35274+00	4.05216+01	-1.20793+00	1.18009+00
-2.2	1.702-06	1.17025+00	6.02589+00	7.19614+00	3.98336+01	-1.01156+00	1.17024+00
-2.0	1.476-06	1.15837+00	5.84750+00	7.00586+00	3.91188+01	-8.16000-01	1.15835+00
-1.8	1.270-06	1.14469+00	5.64073+00	6.78542+00	3.83817+01	-6.21160-01	1.14466+00
-1.6	1.083-06	1.12973+00	5.41335+00	6.54309+00	3.76306+01	-4.26870-01	1.12969+00
-1.4	9.154-07	1.11422+00	5.17609+00	6.29031+00	3.68767+01	-2.32870-01	1.11416+00
-1.2	7.667-07	1.09884+00	4.94030+00	6.03917+00	3.61313+01	-3.89000-02	1.09878+00
-1.0	6.365-07	1.08433+00	4.71577+00	5.80016+00	3.54041+01	1.55320-01	1.08418+00
-.8	5.239-07	1.07105+00	4.50954+00	5.58055+00	3.47017+01	3.49970-01	1.07081+00
-.6	4.278-07	1.05928+00	4.32566+00	5.38494+00	3.40274+01	5.45170-01	1.05890+00
-.4	3.469-07	1.04915+00	4.16556+00	5.21471+00	3.33819+01	7.40990-01	1.04855+00
-.2	2.793-07	1.04066+00	4.02880+00	5.06946+00	3.27640+01	9.37470-01	1.03972+00
.0	2.235-07	1.03377+00	3.91373+00	4.94750+00	3.21713+01	1.13458+00	1.03229+00
.2	1.778-07	1.02844+00	3.81805+00	4.84469+00	3.16009+01	1.33233+00	1.02611+00
.4	1.407-07	1.02468+00	3.73925+00	4.76394+00	3.10494+01	1.53075+00	1.02101+00
.6	1.107-07	1.02263+00	3.67685+00	4.69747+00	3.05136+01	1.72947+00	1.01684+00
.8	8.672-08	1.02257+00	3.62254+00	4.64511+00	2.99905+01	1.92785+00	1.01343+00
1.0	6.765-08	1.02509+00	3.58023+00	4.60538+00	2.94769+01	2.13092+00	1.01065+00
1.2	5.263-08	1.03121+00	3.56638+00	4.57759+00	2.89697+01	2.33350+00	1.00838+00
1.4	4.090-08	1.04262+00	3.51937+00	4.56196+00	2.84656+01	2.53828+00	1.00651+00
1.6	3.185-08	1.06206+00	3.49815+00	4.56021+00	2.79599+01	2.74631+00	1.00496+00
1.8	2.498-08	1.09339+00	3.48192+00	4.57586+00	2.74478+01	2.95915+00	1.00362+00
2.0	1.990-08	1.14517+00	3.47026+00	4.61543+00	2.69215+01	3.17902+00	1.00240+00
2.2	1.628-08	1.22654+00	3.46324+00	4.68978+00	2.63698+01	3.40884+00	1.00111+00

T= 3700

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.321-01	2.766-07	8.462-05	2.356-04	6.615-11	5.396-14	2.749-12	5.145-09	5.213-
-6.8	4.671-01	4.491-07	1.121-04	2.408-04	1.081-10	1.133-13	4.710-12	3.891-09	5.921-
-6.6	4.977-01	7.265-07	1.472-04	2.467-04	1.754-10	2.357-13	7.953-12	2.900-09	6.717-
-6.4	5.240-01	1.171-06	1.917-04	2.536-04	2.836-10	4.866-13	1.327-11	2.151-09	7.609-
-6.2	5.462-01	1.883-06	2.482-04	2.537-04	4.566-10	9.982-13	2.192-11	1.578-09	8.607-
-6.0	5.648-01	3.019-06	3.196-04	2.590-04	7.330-10	2.037-12	3.591-11	1.149-09	9.723-
-5.8	5.801-01	4.829-06	4.097-04	2.617-04	1.174-09	4.136-12	5.845-11	8.326-10	1.097-
-5.6	5.928-01	7.711-06	5.232-04	2.640-04	1.875-09	8.370-12	9.461-11	6.005-10	1.236-
-5.4	6.031-01	1.229-05	6.663-04	2.657-04	2.991-09	1.689-11	1.525-10	4.315-10	1.392-
-5.2	6.114-01	1.956-05	8.464-04	2.672-04	4.763-09	3.398-11	2.449-10	3.092-10	1.566-
-5.0	6.181-01	3.109-05	1.073-03	2.684-04	7.577-09	6.821-11	3.921-10	2.211-10	1.760-
-4.8	6.235-01	4.936-05	1.358-03	2.693-04	1.204-08	1.367-10	6.263-10	1.578-10	1.976-
-4.6	6.279-01	7.83[illegible]-05	1.716-03	2.701-04	1.911-08	2.734-10	9.983-10	1.124-10	2.218-
-4.4	6.313-01	1.[illegible]39-04	2.165-03	2.708-04	3.032-08	5.460-10	1.588-09	8.004-11	2.487-
-4.2	6.341-01	1.[illegible]-04	2.729-03	2.713-04	4.809-08	1.088-09	2.523-09	5.694-11	2.786-
-4.0	6.363-01	3.036-04	3.435-03	2.718-04	7.609-08	2.166-09	4.002-09	4.049-11	3.118-
-3.8	6.380-01	4.880-04	4.318-03	2.722-04	1.203-07	4.299-09	6.337-09	2.879-11	3.485-
-3.6	6.394-01	7.672-04	5.421-03	2.726-04	1.901-07	8.512-09	1.002-08	2.047-11	3.888-
-3.4	6.406-01	1.202-03	6.792-03	2.730-04	2.997-07	1.679-08	1.580-08	1.457-11	4.329-
-3.2	6.416-01	1.875-03	8.490-03	2.734-04	4.714-07	3.297-08	2.486-08	1.038-11	4.802-
-3.0	6.423-01	2.907-03	1.058-02	2.736-04	7.391-07	6.431-08	3.898-08	7.409-12	5.305-
-2.8	6.428-01	4.460-03	1.313-02	2.743-04	1.154-06	1.243-07	6.085-08	5.302-12	5.824-
-2.6	6.452-01	6.705-03	1.619-02	2.747-04	1.789-06	2.375-07	9.441-08	3.809-12	6.360-
-2.4	6.470-01	1.014-02	1.982-02	2.753-04	2.752-06	4.463-07	1.453-07	2.751-12	6.824-
-2.2	6.496-01	1.484-02	2.403-02	2.757-04	4.184-06	8.212-07	2.215-07	2.001-12	7.235-
-2.0	6.531-01	2.116-02	2.877-02	2.761-04	6.270-06	1.472-06	3.333-07	1.468-12	7.528-
-1.8	6.576-01	2.925-02	3.394-02	2.760-04	9.231-06	2.556-06	4.941-07	1.088-12	7.660-
-1.6	6.631-01	3.906-02	3.939-02	2.754-04	1.332-05	4.290-06	7.205-07	8.154-13	7.601-
-1.4	6.695-01	5.028-02	4.491-02	2.738-04	1.879-05	6.941-06	1.032-06	6.180-13	7.347-
-1.2	6.765-01	6.245-02	5.030-02	2.707-04	2.589-05	1.083-05	1.453-06	4.735-13	6.918-
-1.0	6.837-01	7.497-02	5.541-02	2.659-04	3.483-05	1.635-05	2.012-06	3.663-13	6.357-
-.8	6.909-01	8.729-02	6.010-02	2.590-04	4.578-05	2.396-05	2.744-06	2.857-13	5.713-
-.6	6.977-01	9.893-02	6.430-02	2.497-04	5.891-05	3.413-05	3.691-06	2.245-13	5.038-
-.4	7.040-01	1.096-01	6.798-02	2.381-04	7.389-05	4.758-05	4.907-06	1.775-13	4.373-
-.2	7.096-01	1.191-01	7.114-02	2.241-04	9.086-05	6.508-05	6.460-06	1.411-13	3.748-
.0	7.145-01	1.273-01	7.382-02	2.082-04	1.094-04	8.769-05	8.432-06	1.128-13	3.180-
.2	7.187-01	1.344-01	7.605-02	1.906-04	1.292-04	1.167-04	1.093-05	9.060-14	2.680-
.4	7.223-01	1.403-01	7.790-02	1.720-04	1.497-04	1.540-04	1.409-05	7.315-14	2.248-
.6	7.253-01	1.453-01	7.941-02	1.530-04	1.704-04	2.018-04	1.807-05	5.940-14	1.882-
.8	7.277-01	1.493-01	8.064-02	1.340-04	1.906-04	2.636-04	2.310-05	4.854-14	1.575-
1.0	7.297-01	1.526-01	8.162-02	1.158-04	2.100-04	3.444-04	2.942-05	3.996-14	1.320-
1.2	7.314-01	1.553-01	8.239-02	9.857-05	2.281-04	4.520-04	3.738-05	3.319-14	1.112-
1.4	7.327-01	1.574-01	8.298-02	8.273-05	2.446-04	5.994-04	4.739-05	2.786-14	9.432-
1.6	7.339-01	1.591-01	8.339-02	6.841-05	2.596-04	8.106-04	5.996-05	2.371-14	8.080-
1.8	7.348-01	1.604-01	8.364-02	5.563-05	2.729-04	1.133-03	7.571-05	2.055-14	7.022-
2.0	7.356-01	1.613-01	8.369-02	4.434-05	2.846-04	1.671-03	9.538-05	1.828-14	6.230-
2.2	7.364-01	1.616-01	8.346-02	3.443-05	2.950-04	2.683-03	1.198-04	1.686-14	5.696-

T= 3700

LOG D	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	7.849-27	3.368-05	3.138-10	2.302-12	7.691-08	.000+00	3.316-07	.000+00	1.007-
-6.8	1.821-26	3.122-05	2.762-10	3.370-12	6.498-08	.000+00	2.377-07	.000+00	7.219-
-6.6	4.201-26	2.874-05	1.626-10	4.906-12	2.613-08	.000+00	1.701-07	.000+00	5.168-
-6.4	9.641-26	2.631-05	1.165-10	7.104-12	1.509-08	.000+00	1.216-07	.000+00	3.695-
-6.2	2.202-25	2.396-05	8.330-11	1.024-11	8.676-09	.000+00	8.682-08	.000+00	2.638-
-6.0	5.012-25	2.174-05	5.945-11	1.471-11	4.987-09	.000+00	6.190-08	.000+00	1.881-
-5.8	1.137-24	1.965-05	4.237-11	2.106-11	2.834-09	.000+00	4.404-08	.000+00	1.340-
-5.6	2.571-24	1.772-05	3.016-11	3.006-11	1.613-09	.000+00	3.135-08	.000+00	9.533-
-5.4	5.802-24	1.594-05	2.145-11	4.282-11	9.157-10	.000+00	2.228-08	.000+00	6.778-
-5.2	1.307-23	1.421-05	1.524-11	6.087-11	5.190-10	.000+00	1.582-08	.000+00	4.816-
-5.0	2.937-23	1.283-05	1.083-11	8.639-11	2.938-10	.000+00	1.123-08	.000+00	3.420-
-4.8	6.591-23	1.148-05	7.686-12	1.224-10	1.661-10	.000+00	7.964-09	.000+00	2.428-
-4.6	1.477-22	1.027-05	5.455-12	1.733-10	9.383-11	.000+00	5.646-09	.000+00	1.723-
-4.4	3.304-22	9.175-06	3.872-12	2.450-10	5.298-11	.000+00	4.001-09	.000+00	1.223-
-4.2	7.373-22	8.191-06	2.748-12	3.459-10	2.990-11	.000+00	2.834-09	.000+00	8.681-
-4.0	1.644-21	7.307-06	1.951-12	4.877-10	1.688-11	.000+00	2.007-09	.000+00	6.164-
-3.8	3.655-21	6.514-06	1.385-12	6.865-10	9.527-12	.000+00	1.420-09	.000+00	4.378-
-3.6	8.097-21	5.803-06	9.846-13	9.644-10	5.381-12	.000+00	1.005-09	.000+00	3.112-
-3.4	1.786-20	5.164-06	7.004-13	1.351-09	3.041-12	.000+00	7.102-10	.000+00	2.215-
-3.2	3.918-20	4.592-06	4.989-13	1.887-09	1.722-12	.000+00	5.017-10	.000+00	1.578-
-3.0	8.524-20	4.077-06	3.560-13	2.622-09	9.765-13	.000+00	3.540-10	.000+00	1.128-
-2.8	1.834-19	3.614-06	2.548-13	3.621-09	5.555-13	.000+00	2.496-10	.000+00	8.081-
-2.6	3.886-19	3.196-06	1.830-13	4.955-09	3.173-13	.000+00	1.754-10	.000+00	5.817-
-2.4	8.065-19	2.818-06	1.320-13	6.700-09	1.822-13	.000+00	1.230-10	.000+00	4.211-
-2.2	1.630-18	2.474-06	9.579-14	8.919-09	1.054-13	.000+00	8.590-11	.000+00	3.071-
-2.0	3.185-18	2.162-06	6.999-14	1.164-08	6.155-14	.000+00	5.971-11	.000+00	2.261-
-1.8	5.982-18	1.877-06	5.151-14	1.485-08	3.630-14	.000+00	4.126-11	.000+00	1.682
-1.6	1.075-17	1.619-06	3.820-14	1.846-08	2.165-14	.000+00	2.832-11	.000+00	1.265-
-1.4	1.844-17	1.386-06	2.851-14	2.232-08	1.306-14	.000+00	1.929-11	.000+00	9 621-
-1.2	3.022-17	1.177-06	2.137-14	2.625-08	7.960-15	.000+00	1.304-11	.000+00	7.396-
-1.0	4.743-17	9.925-07	1.607-14	3.007-08	4.899-15	.000+00	8.744-12	.000+00	5.740-
-.8	7.156-17	8.311-07	1.208-14	3.363-08	3.040-15	.000+00	5.825-12	.000+00	4.490-
-.6	1.044-16	6.919-07	9.063-15	3.680-08	1.900-15	.000+00	3.857-12	.000+00	3.537-
-.4	1.477-16	5.733-07	6.771-15	3.953-08	1.195-15	.000+00	2.541-12	.000+00	2.802-
-.2	2.039-16	4.734-07	5.028-15	4.176-08	7.556-16	.000+00	1.668-12	.000+00	2.232
.0	2.754-16	3.901-07	3.707-15	4.349-08	4.803-16	.000+00	1.093-12	.000+00	1.786
.2	3.655-16	3.212-07	2.711-15	4.474-08	3.069-16	.000+00	7.153-13	.000+00	1.436
.4	4.779-16	2.647-07	1.986-15	4.555-08	1.972-16	.000+00	4.686-13	.000+00	1.160
.6	6.174-16	2.197-07	1.416-15	4.596-08	1.276-16	.000+00	3.077-13	.000+00	9.426
.8	7.903-16	1.814-07	1.009-15	4.605-08	8.313-17	.000+00	2.030-13	.000+00	7.703
1.0	1.006-15	1.515-07	7.161-16	4.589-08	5.469-17	.000+00	1.348-13	.000+00	6.339
1.2	1.278-15	1.278-07	5.056-16	4.562-08	3.642-17	.000+00	9.045-14	.000+00	5.258
1.4	1.632-15	1.092-07	3.561-16	4.543-08	2.464-17	.000+00	6.156-14	.000+00	4.404
1.6	2.113-15	9.921-08	2.507-16	4.559-08	1.705-17	.000+00	4.277-14	.000+00	3.735
1.8	2.811-15	8.538-08	1.771-16	4.653-08	1.217-17	.000+00	3.064-14	.000+00	3.217
2.0	3.926-15	7.986-08	1.260-16	4.901-08	9.106-18	.000+00	2.296-14	.000+00	2.832
2.2	5.944-15	7.962-08	9.095-17	5.446-08	7.309-18	.000+00	1.844-14	.000+00	2.573

T= 3700

LOG P	A**	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	9.773-09	.000+00	4.261-21	2.592-01	3.015-01	6.720-03	3.730-06	2.148-05
-6.8	.000+00	4.447-09	.000+00	3.054-21	2.187-01	3.089-01	6.884-03	2.665-06	2.211-05
-6.6	.000+00	2.016-09	.000+00	2.184-21	1.795-01	3.153-01	7.028-03	1.594-06	2.257-05
-6.4	.000+00	9.111-10	.000+00	1.563-21	1.476-01	3.204-01	7.151-03	1.026-06	2.297-05
-6.2	.000+00	4.114-10	.000+00	1.114-21	1.226-01	3.254-01	7.256-03	6.577-07	2.331-05
-6.0	.000+00	1.853-10	.000+00	7.957-22	9.797-02	3.293-01	7.343-03	4.205-07	2.359-05
-5.8	.000+00	8.335-11	.000+00	5.668-22	7.926-02	3.324-01	7.414-03	2.692-07	2.382-05
-5.6	.000+00	3.745-11	.000+00	4.033-22	6.389-02	3.350-01	7.476-03	1.727-07	2.401-05
-5.4	.000+00	1.681-11	.000+00	2.867-22	5.136-02	3.371-01	7.525-03	1.085-07	2.417-05
-5.2	.000+00	7.542-12	.000+00	2.037-22	4.119-02	3.387-01	7.565-03	6.896-08	2.430-05
-5.0	.000+00	3.382-12	.000+00	1.447-22	3.297-02	3.399-01	7.597-03	4.367-08	2.440-05
-4.8	.000+00	1.516-12	.000+00	1.027-22	2.635-02	3.408-01	7.624-03	2.768-08	2.449-05
-4.6	.000+00	6.800-13	.000+00	7.291-23	2.103-02	3.413-01	7.644-03	1.754-08	2.456-05
-4.4	.000+00	3.050-13	.000+00	5.174-23	1.677-02	3.416-01	7.665-03	1.111-08	2.462-05
-4.2	.000+00	1.369-13	.000+00	3.673-23	1.336-02	3.416-01	7.681-03	7.037-09	2.467-05
-4.0	.000+00	6.146-14	.000+00	2.607-23	1.064-02	3.413-01	7.695-03	4.460-09	2.472-05
-3.8	.000+00	2.764-14	.000+00	1.852-23	8.474-03	3.407-01	7.708-03	2.829-09	2.476-05
-3.6	.000+00	1.245-14	.000+00	1.317-23	6.744-03	3.398-01	7.721-03	1.796-09	2.480-05
-3.4	.000+00	5.627-15	.000+00	9.369-24	5.367-03	3.390-01	7.735-03	1.142-09	2.485-05
-3.2	.000+00	2.552-15	.000+00	6.678-24	4.271-03	3.357-01	7.751-03	7.243-10	2.490-05
-3.0	.000+00	1.163-15	.000+00	4.770-24	3.399-03	3.324-01	7.770-03	4.659-10	2.496-05
-2.8	.000+00	5.362-16	.000+00	3.419-24	2.707-03	3.274-01	7.795-03	2.945-10	2.504-05
-2.6	.000+00	2.478-16	.000+00	2.461-24	2.157-03	3.216-01	7.827-03	1.934-10	2.514-05
-2.4	.000+00	1.165-16	.000+00	1.781-24	1.720-03	3.131-01	7.869-03	1.265-10	2.527-05
-2.2	.000+00	5.568-17	.000+00	1.299-24	1.374-03	3.019-01	7.922-03	8.348-11	2.545-05
-2.0	.000+00	2.718-17	.000+00	9.564-25	1.099-03	2.876-01	7.991-03	5.583-11	2.567-05
-1.8	.000+00	1.359-17	.000+00	7.113-25	8.804-04	2.700-01	8.074-03	3.732-11	2.593-05
-1.6	.000+00	6.947-18	.000+00	5.350-25	7.065-04	2.493-01	8.171-03	2.616-11	2.625-05
-1.4	.000+00	3.664-18	.000+00	4.070-25	5.676-04	2.262-01	8.280-03	1.832-11	2.660-05
-1.2	.000+00	1.971-18	.000+00	3.128-25	4.564-04	2.016-01	8.395-03	1.301-11	2.697-05
-1.0	.000+00	1.082-18	.000+00	2.427-25	3.670-04	1.767-01	8.512-03	9.325-12	2.734-05
-.8	.000+00	6.027-19	.000+00	1.899-25	2.949-04	1.524-01	8.626-03	6.730-12	2.771-05
-.6	.000+00	3.394-19	.000+00	1.495-25	2.369-04	1.297-01	8.732-03	4.8 1-12	2.805-05
-.4	.000+00	1.926-19	.000+00	1.184-25	1.900-04	1.090-01	8.829-03	3.524-12	2.836-05
-.2	.000+00	1.094-19	.000+00	9.424-26	1.522-04	9.067-02	8.915-03	2.560-12	2.864-05
.0	.000+00	6.216-20	.000+00	7.534-26	1.218-04	7.476-02	8.990-03	1.819-12	2.888-05
.2	.000+00	3.524-20	.000+00	6.049-26	9.734-05	6.120-02	9.053-03	1.292-12	2.908-05
.4	.000+00	1.990-20	.000+00	4.876-26	7.768-05	4.979-02	9.107-03	9.080-13	2.925-05
.6	.000+00	1.118-20	.000+00	3.945-26	6.191-05	4.029-02	9.152-03	6.310-13	2.940-05
.8	.000+00	6.246-21	.000+00	3.205-26	4.926-05	3.246-02	9.189-03	4.331-13	2.951-05
1.0	.000+00	3.470-21	.000+00	2.611-26	3.913-05	2.604-02	9.219-03	2.933-13	2.961-05
1.2	.000+00	1.916-21	.000+00	2.133-26	3.101-05	2.090-02	9.245-03	1.959-13	2.969-05
1.4	.000+00	1.053-21	.000+00	1.744-26	2.449-05	1.654-02	9.265-03	1.287-13	2.976-05
1.6	.000+00	5.746-22	.000+00	1.423-26	1.925-05	1.308-02	9.283-03	8.300-14	2.982-05
1.8	.000+00	3.116-22	.000+00	1.154-26	1.502-05	1.026-02	9.297-03	5.228-14	2.986-05
2.0	.000+00	1.671-22	.000+00	9.228-27	1.159-05	7.955-03	9.311-03	3.190-14	2.991-05
2.2	.000+00	8.851-23	.000+00	7.202-27	8.780-06	6.062-03	9.325-03	1.862-14	2.995-05

T= 3700

LOG P	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	3.411-05	1.38991+00	1.19729+01	1.33628+01	5.96501+01	-5.72496+00	1.38991+00
-6.8	3.151-05	1.35673+00	1.09516+01	1.23183+01	5.80067+01	-5.53545+00	1.35673+00
-6.6	2.894-05	1.32900+00	1.01164+01	1.14454+01	5.65433+01	-5.34442+00	1.32900+00
-6.4	2.645-05	1.30606+00	9.41759+00	1.07236+01	5.52379+01	-5.15198+00	1.30606+00
-6.2	2.406-05	1.28724+00	8.84453+00	1.01318+01	5.40679+01	-4.95829+00	1.28724+00
-6.0	2.181-05	1.27190+00	8.37769+00	9.64958+00	5.30119+01	-4.76349+00	1.27190+00
-5.8	1.970-05	1.25945+00	7.99926+00	9.25871+00	5.20507+01	-4.56776+00	1.25945+00
-5.6	1.775-05	1.24938+00	7.69366+00	8.94304+00	5.11675+01	-4.37125+00	1.24938+00
-5.4	1.596-05	1.24125+00	7.44753+00	8.68878+00	5.03480+01	-4.17409+00	1.24125+00
-5.2	1.433-05	1.23468+00	7.24944+00	8.48432+00	4.95800+01	-3.97639+00	1.23468+00
-5.0	1.284-05	1.22936+00	7.09061+00	8.31998+00	4.88537+01	-3.77826+00	1.22936+00
-4.8	1.149-05	1.22504+00	6.96771+00	8.18775+00	4.81607+01	-3.57979+00	1.22504+00
-4.6	1.028-05	1.22150+00	6.85955+00	8.08105+00	4.74942+01	-3.38105+00	1.22150+00
-4.4	9.179-06	1.21854+00	6.77588+00	7.99442+00	4.68487+01	-3.18210+00	1.21854+00
-4.2	8.194-06	1.21602+00	6.70729+00	7.92331+00	4.62196+01	-2.98300+00	1.21602+00
-4.0	7.309-06	1.21379+00	6.65005+00	7.86385+00	4.56029+01	-2.78380+00	1.21379+00
-3.8	6.515-06	1.21172+00	6.60091+00	7.81263+00	4.49952+01	-2.58454+00	1.21172+00
-3.6	5.803-06	1.20967+00	6.55683+00	7.76644+00	4.43934+01	-2.38528+00	1.20967+00
-3.4	5.164-06	1.20748+00	6.51480+00	7.72229+00	4.37950+01	-2.18606+00	1.20748+00
-3.2	4.591-06	1.20499+00	6.47163+00	7.67662+00	4.31963+01	-1.98696+00	1.20499+00
-3.0	4.075-06	1.20198+00	6.42366+00	7.62564+00	4.25941+01	-1.78805+00	1.20199+00
-2.8	3.611-06	1.19820+00	6.36657+00	7.56477+00	4.19843+01	-1.58942+00	1.19819+00
-2.6	3.192-06	1.19332+00	6.29531+00	7.48863+00	4.13623+01	-1.39119+00	1.19332+00
-2.4	2.812-06	1.18701+00	6.20430+00	7.39131+00	4.07232+01	-1.19349+00	1.18701+00
-2.2	2.466-06	1.17894+00	6.08812+00	7.26706+00	4.00622+01	-9.96450-01	1.17893+00
-2.0	2.151-06	1.16889+00	5.94285+00	7.11174+00	3.93762+01	-8.00170-01	1.16887+00
-1.8	1.863-06	1.15686+00	5.76766+00	6.92455+00	3.86654+01	-6.06670-01	1.15681+00
-1.6	1.601-06	1.14326+00	5.56597+00	6.70903+00	3.79341+01	-4.09870-01	1.14302+00
-1.4	1.364-06	1.12809+00	5.34543+00	6.47352+00	3.71906+01	-2.15600-01	1.12803+00
-1.2	1.152-06	1.11263+00	5.11639+00	6.22903+00	3.64456+01	-2.15900-02	1.11253+00
-1.0	9.630-07	1.09741+00	4.88963+00	5.98704+00	3.57100+01	1.72430-01	1.09726+00
-.8	7.981-07	1.08305+00	4.67433+00	5.75738+00	3.49927+01	3.66700-01	1.08280+00
-.6	6.556-07	1.06997+00	4.47703+00	5.54701+00	3.42997+01	5.61630-01	1.06959+00
-.4	5.342-07	1.05845+00	4.30141+00	5.35986+00	3.36341+01	7.56730-01	1.05785+00
-.2	4.320-07	1.04860+00	4.14871+00	5.19731+00	3.29963+01	9.52670-01	1.04765+00
.0	3.469-07	1.04045+00	4.01840+00	5.05884+00	3.23850+01	1.14927+00	1.03896+00
.2	2.767-07	1.03369+00	3.90883+00	4.94282+00	3.17979+01	1.34657+00	1.03165+00
.4	2.194-07	1.02825+00	3.81778+00	4.84703+00	3.12318+01	1.54458+00	1.02557+00
.6	1.729-07	1.02636+00	3.74283+00	4.76919+00	3.06836+01	1.74336+00	1.02056+00
.8	1.355-07	1.02560+00	3.68161+00	4.70721+00	3.01500+01	1.94303+00	1.01644+00
1.0	1.058-07	1.02754+00	3.63192+00	4.65966+00	2.96277+01	2.14385+00	1.01308+00
1.2	8.226-08	1.03317+00	3.59186+00	4.62503+00	2.91133+01	2.34623+00	1.01033+00
1.4	6.389-08	1.04418+00	3.55981+00	4.60355+00	2.86032+01	2.55083+00	1.00806+00
1.6	4.970-08	1.06329+00	3.53449+00	4.59776+00	2.80930+01	2.75870+00	1.00618+00
1.8	3.892-08	1.09485+00	3.51494+00	4.60979+00	2.75771+01	2.97141+00	1.00458+00
2.0	3.091-08	1.14580+00	3.50067+00	4.64642+00	2.70478+01	3.19116+00	1.00313+00
2.2	2.521-08	1.22686+00	3.49151+00	4.71837+00	2.64937+01	3.42085+00	1.00165+00

T= 3800

LOG Q	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.614-01	1.740-07	6.619-05	2.169-04	4.021-11	3.319-14	2.027-12	1.200-08	6.842-11
-6.8	4.034-01	2.643-07	8.932-05	2.269-04	6.667-11	7.102-14	3.581-12	9.930-09	7.783-11
-6.6	4.415-01	4.628-07	1.193-04	2.352-04	1.095-10	1.502-13	6.222-12	7.133-09	8.849-11
-6.4	4.754-01	7.906-07	1.577-04	2.421-04	1.787-10	3.146-13	1.067-11	5.378-09	1.008-10
-6.2	5.049-01	1.213-06	2.043-04	2.479-04	2.896-10	6.531-13	1.768-11	4.008-09	1.140-10
-6.0	5.300-01	1.734-06	2.606-04	2.527-04	4.693-10	1.346-12	2.972-11	2.958-09	1.291-10
-5.8	5.513-01	2.139-06	3.272-04	2.566-04	7.536-10	2.737-12	4.898-11	2.166-09	1.459-10
-5.6	5.690-01	3.029-06	4.063-04	2.598-04	1.209-09	5.616-12	8.010-11	1.575-09	1.648-10
-5.4	5.836-01	4.039-06	5.017-04	2.623-04	1.934-09	1.139-11	1.302-10	1.140-09	1.859-10
-5.2	5.956-01	5.283-06	7.295-04	2.645-04	3.088-09	2.303-11	2.104-10	8.215-10	2.094-10
-5.0	6.053-01	2.043-05	9.202-04	2.662-04	4.923-09	4.642-11	3.388-10	5.899-10	2.356-10
-4.8	6.132-01	3.249-05	1.178-03	2.676-04	7.837-09	9.330-11	5.435-10	4.225-10	2.649-10
-4.6	6.196-01	5.160-05	1.492-03	2.687-04	1.246-08	1.871-10	8.696-10	3.019-10	2.976-10
-4.4	6.247-01	8.189-05	1.887-03	2.696-04	1.979-08	3.746-10	1.387-09	2.154-10	3.341-10
-4.2	6.288-01	1.296-04	2.383-03	2.704-04	3.140-08	7.483-10	2.209-09	1.535-10	3.746-10
-4.0	6.320-01	2.051-04	3.005-03	2.710-04	4.976-08	1.492-09	3.512-09	1.093-10	4.197-10
-3.8	6.346-01	3.239-04	3.783-03	2.716-04	7.882-08	2.969-09	5.572-09	7.777-11	4.696-10
-3.6	6.367-01	5.101-04	4.756-03	2.721-04	1.247-07	5.902-09	8.825-09	5.533-11	5.247-10
-3.4	6.383-01	8.016-04	5.970-03	2.725-04	1.969-07	1.166-08	1.395-08	3.937-11	5.852-10
-3.2	6.397-01	1.259-03	7.478-03	2.730-04	3.103-07	2.298-08	2.200-08	2.804-11	6.511-10
-3.0	6.409-01	1.934-03	9.344-03	2.734-04	4.878-07	4.508-08	3.460-08	1.999-11	7.218-10
-2.8	6.420-01	3.027-03	1.164-02	2.739-04	7.664-07	8.780-08	5.421-08	1.427-11	7.966-10
-2.6	6.432-01	4.643-03	1.442-02	2.744-04	1.192-06	1.694-07	8.454-08	1.022-11	8.734-10
-2.4	6.447-01	7.032-03	1.777-02	2.749-04	1.846-06	3.227-07	1.310-07	7.352-12	9.492-10
-2.2	6.467-01	1.048-02	2.172-02	2.755-04	2.835-06	6.045-07	2.014-07	5.316-12	1.019-09
-2.0	6.493-01	1.528-02	2.629-02	2.760-04	4.303-06	1.108-06	3.062-07	3.872-12	1.078-09
-1.8	6.528-01	2.169-02	3.140-02	2.764-04	6.434-06	1.977-06	4.598-07	2.845-12	1.119-09
-1.6	6.573-01	2.984-02	3.698-02	2.764-04	9.450-06	3.418-06	6.800-07	2.112-12	1.135-09
-1.4	6.628-01	3.964-02	4.278-02	2.757-04	1.360-05	5.705-06	9.890-07	1.586-12	1.125-09
-1.2	6.691-01	5.080-02	4.866-02	2.740-04	1.914-05	9.188-06	1.413-06	1.205-12	1.082-09
-1.0	6.759-01	6.281-02	5.438-02	2.710-04	2.630-05	1.428-05	1.985-06	9.246-13	1.017-09
-.8	6.830-01	7.511-02	5.978-02	2.661-04	3.532-05	2.146-05	2.742-06	7.167-13	9.328-10
-.6	6.900-01	8.714-02	6.472-02	2.590-04	4.632-05	3.132-05	3.732-06	5.604-13	8.376-10
-.4	6.966-01	9.848-02	6.913-02	2.497-04	5.940-05	4.453-05	5.012-06	4.414-13	7.385-10
-.2	7.026-01	1.088-01	7.298-02	2.379-04	7.452-05	6.194-05	6.656-06	3.500-13	6.415-10
.0	7.080-01	1.180-01	7.628-02	2.239-04	9.153-05	8.460-05	8.749-06	2.792-13	5.506-10
.2	7.127-01	1.260-01	7.907-02	2.078-04	1.101-04	1.139-04	1.141-05	2.240-13	4.684-10
.4	7.168-01	1.328-01	8.140-02	1.902-04	1.300-04	1.516-04	1.478-05	1.808-13	3.961-10
.6	7.202-01	1.385-01	8.333-02	1.715-04	1.505-04	2.002-04	1.903-05	1.468-13	3.338-10
.8	7.230-01	1.432-01	8.489-02	1.524-04	1.712-04	2.6 -04	2.440-05	1.200-13	2.810-10
1.0	7.253-01	1.471-01	8.616-02	1.334-04	1.915-04	3.454-04	3.116-05	9.885-14	2.369-10
1.2	7.273-01	1.503-01	8.718-02	1.150-04	2.109-04	4.551-04	3.968-05	8.219-14	2.005-10
1.4	7.289-01	1.529-01	8.794-02	9.763-05	2.292-04	6.054-04	5.039-05	6.910-14	1.707-10
1.6	7.302-01	1.549-01	8.850-02	8.157-05	2.459-04	8.207-04	6.383-05	5.892-14	1.469-10
1.8	7.313-01	1.565-01	8.887-02	6.696-05	2.612-04	1.149-03	8.068-05	5.120-14	1.282-10
2.0	7.323-01	1.576-01	8.900-02	5.382-05	2.749-04	1.697-03	1.017-04	4.567-14	1.143-10
2.2	7.331-01	1.581-01	8.882-02	4.211-05	2.871-04	2.729-03	1.278-04	4.233-14	1.051-10

T= 3800

LOG Q	C2+	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.906-27	4.31 -05	7.076-10	2.541-12	2.600-07	.000+00	7.408-07	.000+00	2.695-10
-6.8	2.324-26	4.054-05	9.155-10	3.762-12	1.543-07	.000+00	5.317-07	.000+00	1.934-10
-6.6	5.417-26	3.779-05	3.732-10	5.532-12	9.077-08	.000+00	3.815-07	.000+00	1.388-10
-6.4	1.255-25	3.497-05	2.651-10	8.006-12	5.300-08	.000+00	2.734-07	.000+00	9.947-11
-6.2	2.869-25	3.215-05	1.933-10	1.175-11	3.095-08	.000+00	1.956-07	.000+00	7.119-11
-6.0	6.621-25	2.939-05	1.385-10	1.699-11	1.774-08	.000+00	1.398-07	.000+00	5.089-11
-5.0	1.511-24	2.674-05	9.901-11	2.447-11	1.019-08	.000+00	9.977-08	.000+00	3.632-11
-5.6	3.434-24	2.424-05	7.065-11	3.511-11	5.827-09	.000+00	7.111-08	.000+00	2.589-11
-5.4	7.702-24	2.190-05	5.034-11	5.021-11	3.323-09	.000+00	5.062-08	.000+00	1.844-11
-5.2	1.758-23	1.973-05	3.583-11	7.163-11	1.890-09	.000+00	3.600-08	.000+00	1.312-11
-5.0	3.984-23	1.774-05	2.548-11	1.019-10	1.073-09	.000+00	2.558-08	.000+00	9.328-12
-4.8	8.918-23	1.592-05	1.811-11	1.448-10	6.077-10	.000+00	1.816-08	.000+00	6.628-12
-4.6	2.003-22	1.426-05	1.286-11	2.054-10	3.439-10	.000+00	1.288-08	.000+00	4.707-12
-4.4	4.489-22	1.276-05	9.133-12	2.909-10	1.944-10	.000+00	9.137-09	.000+00	3.343-12
-4.2	1.004-21	1.141-05	6.484-12	4.113-10	1.099-10	.000+00	6.476-09	.000+00	2.373-12
-4.0	2.243-21	1.019-05	4.604-12	5.808-10	6.204-11	.000+00	4.548-09	.000+00	1.685-12
-3.8	4.997-21	9.091-06	3.269-12	8.190-10	3.504-11	.000+00	3.249-09	.000+00	1.197-12
-3.6	1.110-20	8.106-06	2.323-12	1.153-09	1.979-11	.000+00	2.299-09	.000+00	8.503-13
-3.4	2.458-20	7.221-06	1.651-12	1.619-09	1.118-11	.000+00	1.627-09	.000+00	6.047-13
-3.2	5.419-20	6.427-06	1.175-12	2.267-09	6.324-12	.000+00	1.150-09	.000+00	4.305-13
-3.0	1.186-19	5.714-06	8.376-13	3.163-09	3.582-12	.000+00	8.122-10	.000+00	3.070-13
-2.8	2.576-19	5.073-06	5.982-13	4.390-09	2.033-12	.000+00	5.730-10	.000+00	2.195-13
-2.6	5.528-19	4.495-06	4.284-13	6.053-09	1.157-12	.000+00	4.036-10	.000+00	1.574-13
-2.4	1.167-18	3.974-06	3.080-13	8.267-09	6.618-13	.000+00	2.837-10	.000+00	1.134-13
-2.2	2.413-18	3.502-06	2.225-13	1.119-08	3.806-13	.000+00	1.989-10	.000+00	8.224-14
-2.0	4.851-18	3.074-06	1.617-13	1.480-08	2.205-13	.000+00	1.389-10	.000+00	6.008-14
-1.8	9.625-18	2.684-06	1.183-13	1.926-08	1.289-13	.000+00	9.644-11	.000+00	4.430-14
-1.6	1.759-17	2.329-06	8.725-14	2.447-08	7.619-14	.000+00	6.664-11	.000+00	3.302-14
-1.4	3.140-17	2.008-06	6.482-14	3.028-08	4.553-14	.000+00	4.571-11	.000+00	2.489-14
-1.2	5.351-17	1.718-06	4.847-14	3.645-08	2.752-14	.000+00	3.113-11	.000+00	1.867-14
-1.0	8.713-17	1.459-06	3.641-14	4.269-08	1.691-14	.000+00	2.104-11	.000+00	1.462-14
-.8	1.359-16	1.230-06	2.743-14	4.871-08	1.037-14	.000+00	1.412-11	.000+00	1.137-14
-.6	2.040-16	1.031-06	2.067-14	5.425-08	6.450-15	.000+00	9.410-12	.000+00	8.914-15
-.4	2.959-16	8.594-07	1.554-14	5.914-08	4.042-15	.000+00	6.239-12	.000+00	7.039-15
-.2	4.167-16	7.134-07	1.164-14	6.327-08	2.549-15	.000+00	4.110-12	.000+00	5.593-15
.0	5.725-16	5.906-07	8.673-15	6.657-08	1.618-15	.000+00	2.711-12	.000+00	4.470-15
.2	7.699-16	4.883-07	6.417-15	6.906-08	1.033-15	.000+00	1.782-12	.000+00	3.591-15
.4	1.018-15	4.039-07	4.714-15	7.078-08	6.633-16	.000+00	1.172-12	.000+00	2.901-15
.6	1.326-15	3.348-07	3.437-15	7.178-08	4.289-16	.000+00	7.721-13	.000+00	2.357-15
.8	1.708-15	2.786-07	2.487-15	7.219-08	2.796-16	.000+00	5.108-13	.000+00	1.927-15
1.0	2.185-15	2.333-07	1.788-15	7.214-08	1.840-16	.000+00	3.402-13	.000+00	1.587-15
1.2	2.787-15	1.972-07	1.279-15	7.186-08	1.226-16	.000+00	2.287-13	.000+00	1.318-15
1.4	3.566-15	1.689-07	9.124-16	7.162-08	8.300-17	.000+00	1.560-13	.000+00	1.106-15
1.6	4.622-15	1.475-07	6.502-16	7.189-08	5.744-17	.000+00	1.085-13	.000+00	9.398-16
1.8	6.151-15	1.324-07	4.646-16	7.333-08	4.101-17	.000+00	7.775-14	.000+00	8.117-16
2.0	8.543-15	1.240-07	3.344-16	7.712-08	3.066-17	.000+00	5.824-14	.000+00	7.170-16
2.2	1.297-14	1.235-07	2.442-16	8.547-08	2.456-17	.000+00	4.665-14	.000+00	6.541-16

T= 280C

LOG C	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	4.379-08	.000+00	1.639-20	3.452-01	2.865-01	6.388-03	8.736-06	2.052-05
-6.8	.000+00	2.013-08	.000+00	1.320-20	2.942-01	2.955-01	6.585-03	5.749-06	2.115-05
-6.6	.000+00	9.198-09	.000+00	9.470-21	2.478-01	3.035-01	6.764-03	3.734-06	2.173-05
-6.4	.000+00	4.185-09	.000+00	6.787-21	2.066-01	3.104-01	6.923-03	2.465-06	2.224-05
-6.2	.000+00	1.897-09	.000+00	4.858-21	1.708-01	3.167-01	7.062-03	1.592-06	2.268-05
-6.0	.000+00	8.577-10	.000+00	3.472-21	1.402-01	3.220-01	7.180-03	1.024-06	2.306-05
-5.8	.000+00	3.870-10	.000+00	2.479-21	1.143-01	3.264-01	7.280-03	6.564-07	2.338-05
-5.6	.000+00	1.743-10	.000+00	1.767-21	9.290-02	3.301-01	7.364-03	4.194-07	2.365-05
-5.4	.000+00	7.839-11	.000+00	1.258-21	7.500-02	3.330-01	7.433-03	2.674-07	2.387-05
-5.2	.000+00	3.522-11	.000+00	8.953-22	6.042-02	3.354-01	7.490-03	1.701-07	2.406-05
-5.0	.000+00	1.581-11	.000+00	6.365-22	4.853-02	3.373-01	7.537-03	1.081-07	2.421-05
-4.8	.000+00	7.095-12	.000+00	4.523-22	3.890-02	3.388-01	7.575-03	6.862-08	2.433-05
-4.6	.000+00	3.183-12	.000+00	3.217-22	3.112-02	3.398-01	7.604-03	4.353-08	2.443-05
-4.4	.000+00	1.428-12	.000+00	2.281-22	2.487-02	3.405-01	7.632-03	2.759-08	2.451-05
-4.2	.000+00	6.408-13	.000+00	1.619-22	1.986-02	3.409-01	7.654-03	1.749-08	2.456-05
-4.0	.000+00	2.877-13	.000+00	1.150-22	1.582-02	3.410-01	7.672-03	1.109-08	2.464-05
-3.8	.000+00	1.293-13	.000+00	8.166-23	1.261-02	3.407-01	7.688-03	7.030-09	2.470-05
-3.6	.000+00	5.819-14	.000+00	5.803-23	1.004-02	3.400-01	7.704-03	4.461-09	2.474-05
-3.4	.000+00	2.624-14	.000+00	4.126-23	7.993-03	3.389-01	7.719-03	2.834-09	2.479-05
-3.2	.000+00	1.187-14	.000+00	2.938-23	6.363-03	3.372-01	7.734-03	1.804-09	2.484-05
-3.0	.000+00	5.388-15	.000+00	2.095-23	5.064-03	3.347-01	7.752-03	1.151-09	2.490-05
-2.8	.000+00	2.460-15	.000+00	1.498-23	4.032-03	3.312-01	7.773-03	7.372-10	2.497-05
-2.6	.000+00	1.132-15	.000+00	1.074-23	3.211-03	3.264-01	7.799-03	4.745-10	2.505-05
-2.4	.000+00	5.263-16	.000+00	7.741-24	2.559-03	3.198-01	7.833-03	3.075-10	2.516-05
-2.2	.000+00	2.481-16	.000+00	5.612-24	2.042-03	3.109-01	7.877-03	2.011-10	2.530-05
-2.0	.000+00	1.190-16	.000+00	4.100-24	1.631-03	2.993-01	7.933-03	1.330-10	2.548-05
-1.8	.000+00	5.833-17	.000+00	3.023-24	1.305-03	2.845-01	8.004-03	8.918-11	2.571-05
-1.6	.000+00	2.929-17	.000+00	2.253-24	1.045-03	2.665-01	8.089-03	6.072-11	2.598-05
-1.4	.000+00	1.508-17	.000+00	1.698-24	8.389-04	2.455-01	8.188-03	4.200-11	2.630-05
-1.2	.000+00	7.966-18	.000+00	1.294-24	6.740-04	2.222-01	8.299-03	2.949-11	2.665-05
-1.0	.000+00	4.305-18	.000+00	9.971-25	5.418-04	1.976-01	8.413-03	2.097-11	2.702-05
-.8	.000+00	2.371-18	.000+00	7.754-25	4.356-04	1.728-01	8.530-03	1.506-11	2.740-05
-.6	.000+00	1.326-18	.000+00	6.078-25	3.500-04	1.489-01	8.642-03	1.084-11	2.776-05
-.4	.000+00	7.496-19	.000+00	4.798-25	2.810-04	1.264-01	8.747-03	7.883-12	2.810-05
-.2	.000+00	4.265-19	.000+00	3.810-25	2.254-04	1.061-01	8.843-03	5.736-12	2.840-05
.0	.000+00	2.434-19	.000+00	3.042-25	1.805-04	8.816-02	8.927-03	4.114-12	2.867-05
.2	.000+00	1.389-19	.000+00	2.440-25	1.444-04	7.262-02	9.000-03	2.946-12	2.891-05
.4	.000+00	7.912-20	.000+00	1.966-25	1.153-04	5.938-02	9.062-03	2.092-12	2.911-05
.6	.000+00	4.490-20	.000+00	1.591-25	9.194-05	4.826-02	9.114-03	1.469-12	2.928-05
.8	.000+00	2.536-20	.000+00	1.293-25	7.322-05	3.901-02	9.158-03	1.020-12	2.942-05
1.0	.000+00	1.425-20	.000+00	1.055-25	5.819-05	3.138-02	9.194-03	6.985-13	2.953-05
1.2	.000+00	7.960-21	.000+00	8.628-26	4.614-05	2.513-02	9.224-03	4.714-13	2.963-05
1.4	.000+00	4.421-21	.000+00	7.065-26	3.646-05	2.002-02	9.249-03	3.129-13	2.971-05
1.6	.000+00	2.440-21	.000+00	5.777-26	2.867-05	1.585-02	9.270-03	2.037-13	2.977-05
1.8	.000+00	1.337-21	.000+00	4.696-26	2.237-05	1.245-02	9.287-03	1.294-13	2.983-05
2.0	.000+00	7.251-22	.000+00	3.768-26	1.726-05	9.663-03	9.303-03	7.959-14	2.988-05
2.2	.000+00	3.884-22	.000+00	2.955-26	1.309-05	7.370-03	9.319-03	4.679-14	2.993-05

T= 380C

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	4.417-05	1.46217+00	1.38908+01	1.53525+01	6.19115+01	-5.69136+00	1.46217+00
-6.8	4.125-05	1.41838+00	1.25913+01	1.40098+01	5.99490+01	-5.50457+00	1.41838+00
-6.6	3.828-05	1.38079+00	1.14763+01	1.28571+01	5.81898+01	-5.31623+00	1.38079+00
-6.4	3.531-05	1.34907+00	1.05352+01	1.18043+01	5.66203+01	-5.12633+00	1.34907+00
-6.2	3.238-05	1.32263+00	9.75098+00	1.10736+01	5.52212+01	-4.93493+00	1.32263+00
-6.0	2.955-05	1.30080+00	9.10405+00	1.04045+01	5.39703+01	-4.74215+00	1.30080+00
-5.8	2.686-05	1.28293+00	8.57650+00	9.85742+00	5.28460+01	-4.54816+00	1.28293+00
-5.6	2.432-05	1.26837+00	8.14364+00	9.41201+00	5.18278+01	-4.35312+00	1.26837+00
-5.4	2.195-05	1.25656+00	7.79470+00	9.05125+00	5.08976+01	-4.15716+00	1.25656+00
-5.2	1.977-05	1.24700+00	7.51303+00	8.76004+00	5.00395+01	-3.96050+00	1.24700+00
-5.0	1.776-05	1.23927+00	7.28619+00	8.52546+00	4.92403+01	-3.76320+00	1.23927+00
-4.8	1.593-05	1.23302+00	7.10368+00	8.33669+00	4.84886+01	-3.56539+00	1.23302+00
-4.6	1.427-05	1.22793+00	6.95679+00	8.18472+00	4.77751+01	-3.36719+00	1.22793+00
-4.4	1.277-05	1.22376+00	6.83832+00	8.06208+00	4.70921+01	-3.16867+00	1.22376+00
-4.2	1.141-05	1.22029+00	6.74228+00	7.96257+00	4.64333+01	-2.96990+00	1.22029+00
-4.0	1.019-05	1.21735+00	6.66369+00	7.88104+00	4.57935+01	-2.77095+00	1.21735+00
-3.8	9.094-06	1.21476+00	6.59835+00	7.81311+00	4.51681+01	-2.57187+00	1.21476+00
-3.6	8.107-06	1.21238+00	6.54258+00	7.75496+00	4.45535+01	-2.37272+00	1.21238+00
-3.4	7.222-06	1.21005+00	6.49301+00	7.70306+00	4.39461+01	-2.17356+00	1.21005+00
-3.2	6.427-06	1.20761+00	6.44638+00	7.65598+00	4.33428+01	-1.97444+00	1.20760+00
-3.0	5.712-06	1.20486+00	6.39925+00	7.60411+00	4.27402+01	-1.77543+00	1.20486+00
-2.8	5.079-06	1.20159+00	6.34780+00	7.54935+00	4.21346+01	-1.57661+00	1.20159+00
-2.6	4.490-06	1.19752+00	6.28763+00	7.48515+00	4.15220+01	-1.37808+00	1.19752+00
-2.4	3.967-06	1.19234+00	6.21367+00	7.40601+00	4.08977+01	-1.17996+00	1.19233+00
-2.2	3.492-06	1.18571+00	6.12047+00	7.30417+00	4.02568+01	-9.82390-01	1.18570+00
-2.0	3.060-06	1.17730+00	6.00291+00	7.18021+00	3.95951+01	-7.85670-01	1.17729+00
-1.8	2.666-06	1.16694+00	5.85751+00	7.02445+00	3.89099+01	-5.89310-01	1.16691+00
-1.6	2.306-06	1.15463+00	5.68394+00	6.83857+00	3.82017+01	-3.93920-01	1.15459+00
-1.4	1.979-06	1.14069+00	5.48598+00	6.62668+00	3.74751+01	-1.99195-01	1.14063+00
-1.2	1.682-06	1.12567+00	5.27134+00	6.39701+00	3.67385+01	-4.95000-03	1.12557+00
-1.0	1.417-06	1.11024+00	5.05003+00	6.16032+00	3.60025+01	1.89070-01	1.11012+00
-.8	1.183-06	1.09523+00	4.83223+00	5.92747+00	3.52769+01	3.83140-01	1.09489+00
-.6	9.776-07	1.08112+00	4.62646+00	5.70757+00	3.45700+01	5.77510-01	1.08073+00
-.4	8.010-07	1.06835+00	4.43861+00	5.50697+00	3.38873+01	7.72350-01	1.06775+00
-.2	6.508-07	1.05720+00	4.27191+00	5.32911+00	3.32312+01	9.67790-01	1.05625+00
.0	5.246-07	1.04778+00	4.12730+00	5.17507+00	3.26020+01	1.16391+00	1.04628+00
.2	4.197-07	1.04015+00	4.00411+00	5.04426+00	3.19981+01	1.36073+00	1.03780+00
.4	3.335-07	1.03437+00	3.90068+00	4.93505+00	3.14171+01	1.55831+00	1.03067+00
.6	2.633-07	1.03057+00	3.81483+00	4.84546+00	3.08558+01	1.75671+00	1.02475+00
.8	2.067-07	1.02904+00	3.74423+00	4.77326+00	3.03111+01	1.95607+00	1.01994+00
1.0	1.614-07	1.03032+00	3.68662+00	4.71694+00	2.97794+01	.15661+00	1.01585+00
1.2	1.255-07	1.03542+00	3.63994+00	4.67536+00	2.92573+01	2.35875+00	1.01255+00
1.4	9.746-08	1.04597+00	3.60243+00	4.64840+00	2.87408+01	2.56315+00	1.00994+00
1.6	7.575-08	1.06468+00	3.57262+00	4.63731+00	2.82253+01	2.77086+00	1.00759+00
1.8	5.923-08	1.09592+00	3.54943+00	4.64535+00	2.77056+01	2.98361+00	1.00569+00
2.0	4.695-08	1.14655+00	3.53217+00	4.67872+00	2.71725+01	3.20303+00	1.00398+00
2.2	3.817-08	1.22729+00	3.52071+00	4.74759+00	2.66159+01	3.43258+00	1.00229+00

T= 3900

LOG C	N2	O2	NO	O1	O1D2	N2D	N2C	N1+	O2+
-7.0	2.7[illegible]-01	1.[illegible]-07	9.055-05	3.943-04	[illegible]-11	2.019-16	2.626-12	2.433-08	8.938-11
-6.8	3.333-01	1.829-07	8.981-05	2.081-04	6.095-11	4.617-16	2.622-12	2.439-08	1.005-10
-6.6	3.766-01	2.588-07	9.505-05	2.197-04	8.851-11	9.939-16	2.626-12	2.445-08	1.144-10
-6.4	4.137-01	4.874-07	1.278-04	2.324-04	1.133-10	2.031-15	8.265-12	2.241-08	1.332-10
-6.2	4.538-01	7.924-07	1.700-04	2.374-04	1.454-10	4.281-15	1.425-11	9.445-09	1.440-10
-6.0	4.841-01	1.263-06	2.239-04	2.447-04	1.628-10	9.934-15	2.619-11	7.384-09	1.648-10
-5.8	5.161-01	2.072-06	2.925-04	2.495-04	4.906-10	1.850-12	6.553-11	5.264-09	1.924-10
-5.6	5.378-01	3.333-06	3.795-04	2.562-04	7.514-10	3.803-12	1.712-11	3.876-09	2.156-10
-5.4	5.578-01	5.369-06	4.836-04	2.577-04	1.272-09	7.773-12	1.1 [illegible]-10	2.833-09	2.436-10
-5.2	5.744-01	8.641-06	6.236-04	2.607-04	2.033-09	1.581-11	1.411-10	2.055-09	2.770-10
-5.0	5.880-01	1.367-05	8.037-04	2.631-04	3.260-09	3.252-11	2.921-10	1.495-09	3.099-10
-4.8	5.992-01	2.179-05	1.026-03	2.651-04	5.202-09	6.666-11	4.714-10	1.089-09	3.430-10
-4.6	6.084-01	3.468-05	1.302-03	2.667-04	8.287-09	1.301-10	7.577-10	7.867-10	3.929-10
-4.4	6.155-01	5.511-05	1.651-03	2.680-04	1.318-08	2.612-10	1.214-09	5.697-10	4.411-10
-4.2	6.214-01	8.743-05	2.080-03	2.691-04	2.095-08	5.231-10	1.940-09	3.910-10	4.951-10
-4.0	6.261-01	1.385-04	2.640-03	2.700-04	3.324-08	1.045-09	3.091-09	2.746-10	5.552-10
-3.8	6.299-01	2.197-04	3.329-03	2.707-04	5.276-08	2.085-09	4.917-09	1.932-10	6.220-10
-3.6	6.329-01	3.457-04	4.193-03	2.713-04	8.345-08	4.147-09	7.804-09	1.419-10	6.950-10
-3.4	6.353-01	5.444-04	5.272-03	2.719-04	1.320-07	8.229-09	1.236-08	1.013-10	7.773-10
-3.2	6.372-01	8.569-04	6.616-03	2.724-04	2.083-07	1.627-08	1.954-08	7.193-11	8.664-10
-3.0	6.387-01	1.337-03	8.284-03	2.729-04	3.283-07	3.206-08	3.080-08	5.125-11	9.632-10
-2.8	6.401-01	2.080-03	1.034-02	2.734-04	5.158-07	6.275-08	4.841-08	3.654-11	1.067-09
-2.6	6.414-01	3.214-03	1.287-02	2.740-04	8.074-07	1.220-07	7.579-08	2.636-11	1.176-09
-2.4	6.427-01	4.917-03	1.593-02	2.745-04	1.257-06	2.347-07	1.180-07	1.876-11	1.287-09
-2.2	6.443-01	7.423-03	1.960-02	2.751-04	1.945-06	4.457-07	1.826-07	1.349-11	1.396-09
-2.0	6.463-01	1.101-02	2.392-02	2.757-04	2.966-06	8.313-07	2.801-07	9.771-12	1.495-09
-1.8	6.491-01	1.599-02	2.887-02	2.763-04	4.511-06	1.516-06	4.249-07	7.130-12	1.576-09
-1.6	6.530-01	2.255-02	3.439-02	2.767-04	6.726-06	2.689-06	6.361-07	5.250-12	1.629-09
-1.4	6.582-01	3.063-02	4.035-02	2.767-04	9.846-06	4.619-06	9.377-07	3.908-12	1.645-09
-1.2	6.627-01	4.070-02	4.655-02	2.760-04	1.412-05	7.681-06	1.359-06	2.941-12	1.622-09
-1.0	6.689-01	5.182-02	5.277-02	2.742-04	1.680-05	1.226-05	1.936-06	2.240-12	1.558-09
-.8	6.756-01	6.369-02	5.880-02	2.710-04	2.712-05	1.893-05	2.710-06	1.724-12	1.459-09
-.6	6.825-01	7.575-02	6.445-02	2.659-04	3.629-05	2.831-05	3.734-06	1.340-12	1.335-09
-.4	6.893-01	8.748-02	6.960-02	2.586-04	4.745-05	4.112-05	5.068-06	1.051-12	1.197-09
-.2	6.956-01	9.846-02	7.418-02	2.490-04	6.068-05	5.826-05	6.791-06	8.303-13	1.055-09
.0	7.014-01	1.084-01	7.817-02	2.371-04	7.594-05	8.081-05	9.000-06	6.607-13	9.169-10
.2	7.066-01	1.173-01	8.158-02	2.228-04	9.308-05	1.102-04	1.181-05	5.293-13	7.884-10
.4	7.111-01	1.249-01	8.446-02	2.066-04	1.119-04	1.482-04	1.538-05	4.268-13	6.727-10
.6	7.149-01	1.314-01	8.686-02	1.889-04	1.317-04	1.974-04	1.990-05	3.464-13	5.713-10
.8	7.181-01	1.369-01	8.882-02	1.701-04	1.523-04	2.612-04	2.561-05	2.832-13	4.841-10
1.0	7.209-01	1.414-01	9.042-02	1.508-04	1.730-04	3.448-04	3.281-05	2.335-13	4.104-10
1.2	7.231-01	1.451-01	9.170-02	1.317-04	1.934-04	4.562-04	4.187-05	1.943-13	3.490-10
1.4	7.250-01	1.481-01	9.271-02	1.131-04	2.130-04	6.091-04	5.327-05	1.636-13	2.987-10
1.6	7.265-01	1.505-01	9.348-02	9.558-05	2.314-04	8.280-04	6.759-05	1.397-13	2.581-10
1.8	7.278-01	1.524-01	9.396-02	7.925-05	2.485-04	1.162-03	8.553-05	1.217-13	2.262-10
2.0	7.289-01	1.538-01	9.420-02	6.429-05	2.641-04	1.719-03	1.079-04	1.089-13	2.026-10
2.2	7.299-01	1.545-01	9.409-02	5.073-05	2.783-04	2.767-03	1.357-04	1.013-13	1.873-10

T= 3900

LOG C	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	1.216-25	5.297-05	1.482-09	2.746-12	8.024-07	.000+00	1.586-06	.000+00	6.849-10
-6.8	2.882-26	5.069-05	1.100-09	4.105-12	4.845-07	.000+00	1.139-06	.000+00	4.916-10
-6.6	6.786-26	4.798-05	8.075-10	6.100-12	2.894-07	.000+00	8.177-07	.000+00	3.531-10
-6.4	1.588-25	4.499-05	5.879-10	9.005-12	1.712-07	.000+00	5.871-07	.000+00	2.535-10
-6.2	3.691-25	4.184-05	4.255-10	1.321-11	1.005-07	.000+00	4.211-07	.000+00	1.819-10
-6.0	8.529-25	3.863-05	3.066-10	1.926-11	5.855-08	.000+00	3.017-07	.000+00	1.303-10
-5.8	1.960-24	3.544-05	2.201-10	2.794-11	3.390-08	.000+00	2.158-07	.000+00	9.325-11
-5.6	4.484-24	3.235-05	1.575-10	4.034-11	1.953-08	.000+00	1.542-07	.000+00	6.663-11
-5.4	1.022-23	2.939-05	1.126-10	5.800-11	1.120-08	.000+00	1.100-07	.000+00	4.754-11
-5.2	2.319-23	2.661-05	8.036-11	8.310-11	6.399-09	.000+00	7.835-08	.000+00	3.388-11
-5.0	5.247-23	2.401-05	5.724-11	1.187-10	3.646-09	.000+00	5.575-08	.000+00	2.413-11
-4.8	1.184-22	2.162-05	4.0[illegible]-11	1.[illegible]-10	2.077-09	.000+00	3.963-08	.000+00	1.716-11
-4.6	2.666-22	1.942-05	[illegible]-11	2.4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-4.4	5.991-22	1.742-05	2.0[illegible]	[illegible]-10	6.659-10	.000+00	1.999-08	.000+00	8.670-[illegible]
-4.2	1.343-21	1.560-05	1.662-11	4.837-10	3.768-10	.000+00	1.417-08	.000+00	6.159-12
-4.0	3.006-21	1.395-05	1.039-11	6.842-10	2.130-10	.000+00	1.005-08	.000+00	4.374-12
-3.8	6.711-21	1.246-05	7.378-12	9.662-10	1.204-10	.000+00	7.120-09	.000+00	3.107-12
-3.6	1.495-20	1.117-05	5.241-12	1.382-09	6.803-11	.000+00	5.042-09	.000+00	2.208-12
-3.4	3.319-20	9.920-06	3.725-12	1.917-09	3.844-11	.000+00	3.569-09	.000+00	1.569-12
-3.2	7.341-20	8.838-06	2.650-12	2.691-09	2.173-11	.000+00	2.525-09	.000+00	1.117-12
-3.0	1.616-19	7.866-06	1.887-12	3.765-09	1.230-11	.000+00	1.785-09	.000+00	7.954-13
-2.8	3.532-19	6.992-06	1.346-12	5.248-09	6.971-12	.000+00	1.260-09	.000+00	5.677-13
-2.6	7.649-19	6.204-06	9.619-13	7.274-09	3.960-12	.000+00	8.890-10	.000+00	4.062-13
-2.4	1.636-18	5.498-06	6.896-13	1.001-08	2.257-12	.000+00	6.261-10	.000+00	2.917-13
-2.2	3.439-18	4.859-06	4.964-13	1.364-08	1.292-12	.000+00	4.399-10	.000+00	2.105-13
-2.0	7.070-18	4.278-06	3.591-13	1.833-08	7.445-13	.000+00	3.082-10	.000+00	1.528-13
-1.8	1.412-17	3.752-06	2.615-13	2.424-08	4.322-13	.000+00	2.150-10	.000+00	1.119-13
-1.6	2.723-17	3.274-06	1.918-13	3.139-08	2.533-13	.000+00	1.493-10	.000+00	8.271-14
-1.4	5.038-17	2.839-06	1.417-13	3.968-08	1.500-13	.000+00	1.031-10	.000+00	6.180-14
-1.2	8.914-17	2.445-06	1.055-13	4.883-08	8.990-14	.000+00	7.065-11	.000+00	4.671-14
-1.0	1.506-16	2.091-06	7.910-14	5.846-08	5.449-14	.000+00	4.809-11	.000+00	3.571-14
-.8	2.431-16	1.776-06	5.957-14	6.808-08	3.338-14	.000+00	3.250-11	.000+00	2.759-14
-.6	3.761-16	1.498-06	4.497-14	7.726-08	2.062-14	.000+00	2.181-11	.000+00	2.152-14
-.4	5.603-16	1.256-06	3.397-14	8.558-08	1.288-14	.000+00	1.455-11	.000+00	1.692-14
-.2	8.071-16	1.049-06	2.561-14	9.282-08	8.100-15	.000+00	9.664-12	.000+00	1.341-14
.0	1.130-15	8.725-07	1.924-14	9.880-08	5.129-15	.000+00	6.395-12	.000+00	1.069-14
.2	1.543-15	7.246-07	1.439-14	1.035-07	3.269-15	.000+00	4.223-12	.000+00	8.582-15
.4	2.064-15	6.017-07	1.069-14	1.068-07	2.098-15	.000+00	2.788-12	.000+00	6.929-15
.6	2.716-15	5.005-07	7.889-15	1.090-07	1.356-15	.000+00	1.844-12	.000+00	5.629-15
.8	3.526-15	4.178-07	5.784-15	1.101-07	8.841-16	.000+00	1.224-12	.000+00	4.605-15
1.0	4.537-15	3.509-07	4.214-15	1.104-07	5.821-16	.000+00	8.173-13	.000+00	3.795-15
1.2	5.812-15	2.973-07	3.055-15	1.102-07	3.880-16	.000+00	5.509-13	.000+00	3.156-15
1.4	7.460-15	2.552-07	2.207-15	1.100-07	2.628-16	.000+00	3.763-13	.000+00	2.652-15
1.6	9.688-15	2.233-07	1.593-15	1.105-07	1.819-16	.000+00	2.622-13	.000+00	2.257-15
1.8	1.290-14	2.008-07	1.152-15	1.127-07	1.299-16	.000+00	1.880-13	.000+00	1.954-15
2.0	1.800-14	1.881-07	8.392-16	1.184-07	9.702-17	.000+00	1.408-13	.000+00	1.732-15
2.2	2.715-14	1.874-07	6.205-16	1.310-07	7.758-17	.000+00	1.125-13	.000+00	1.587-15

T= 3900

LOG P	E=	Z	E/RT	H/RT	S/R	LOG P	Z=
-7.0	.000+00	1.78[illegible]-01	.000+00	7.354-20	4.[illegible]-01	[illegible]	[illegible]
-6.8	.000+00	8.264-08	.000+00	[illegible]	[illegible]	[illegible]	[illegible]
-6.6	.000+00	3.417-08	.000+00	3.740-20	9.27[illegible]-01	2.938-01	[illegible]
-6.4	.000+00	1.751-08	.000+00	2.722-20	2.77[illegible]-01	[illegible]	[illegible]
-6.2	.000+00	9.009-09	.000+00	1.953-20	2.328-01	3.[illegible]-01	[illegible]
-6.0	.000+00	3.641-09	.000+00	1.337-20	1.939-01	3.[illegible]-01	[illegible]
-5.8	.000+00	1.650-09	.000+00	1.001-20	1.596-01	3.186-01	7.165-03
-5.6	.000+00	7.457-10	.000+00	7.154-21	1.307-01	3.236-01	7.217-03
-5.4	.000+00	3.389-10	.000+00	5.105-21	1.064-01	3.277-01	7.312-03
-5.2	.000+00	1.514-10	.000+00	3.633-21	8.621-02	3.310-01	7.390-03
-5.0	.000+00	6.810-11	.000+00	2.591-21	6.959-02	3.338-01	7.445-03
-4.8	.000+00	3.060-11	.000+00	1.843-21	5.600-02	3.353-01	7.508-03
-4.6	.000+00	1.376-11	.000+00	1.310-21	4.495-02	3.376-01	7.552-03
-4.4	.000+00	6.188-12	.000+00	9.310-22	3.606-02	3.396-01	7.588-03
-4.2	.000+00	2.769-12	.000+00	6.613-22	2.879-02	3.397-01	7.614-03
-4.0	.000+00	1.243-12	.000+00	4.697-22	2.299-02	3.401-01	7.643-03
-3.8	.000+00	5.585-13	.000+00	3.336-22	1.834-02	3.402-01	7.664-03
-3.6	.000+00	2.512-13	.000+00	2.371-22	1.452-02	3.400-01	7.683-03
-3.4	.000+00	1.131-13	.000+00	1.685-22	1.165-02	3.393-01	7.700-03
-3.2	.000+00	5.106-14	.000+00	1.199-22	9.278-03	3.380-01	7.717-03
-3.0	.000+00	2.312-14	.000+00	8.541-23	7.387-03	3.362-01	7.734-03
-2.8	.000+00	1.051-14	.000+00	6.095-23	5.892-03	3.335-01	7.754-03
-2.6	.000+00	4.810-15	.000+00	4.362-23	4.683-03	3.299-01	7.777-03
-2.4	.000+00	2.219-15	.000+00	3.132-23	3.731-03	3.246-01	7.805-03
-2.2	.000+00	1.035-15	.000+00	2.260-23	2.974-03	3.175-01	7.842-03
-2.0	.000+00	4.897-16	.000+00	1.641-23	2.373-03	3.081-01	7.889-03
-1.8	.000+00	2.360-16	.000+00	1.201-23	1.896-03	2.959-01	7.949-03
-1.6	.000+00	1.163-16	.000+00	8.880-24	1.517-03	2.806-01	8.021-03
-1.4	.000+00	5.870-17	.000+00	6.635-24	1.216-03	2.620-01	8.110-03
-1.2	.000+00	3.041-17	.000+00	5.015-24	9.759-04	2.406-01	8.211-03
-1.0	.000+00	1.615-17	.000+00	3.833-24	7.841-04	2.171-01	8.321-03
-.8	.000+00	8.773-18	.000+00	2.961-24	6.302-04	1.925-01	8.437-03
-.6	.000+00	4.857-18	.000+00	2.309-24	5.066-04	1.679-01	8.553-03
-.4	.000+00	2.724-18	.000+00	1.815-24	4.069-04	1.442-01	8.664-03
-.2	.000+00	1.543-18	.000+00	1.437-24	3.266-04	1.222-01	8.767-03
.0	.000+00	8.850-19	.000+00	1.145-24	2.618-04	1.024-01	8.860-03
.2	.000+00	5.073-19	.000+00	9.176-25	2.096-04	8.494-02	8.942-03
.4	.000+00	2.909-19	.000+00	7.390-25	1.675-04	6.986-02	9.013-03
.6	.000+00	1.665-19	.000+00	5.981-25	1.337-04	5.704-02	9.073-03
.8	.000+00	9.497-20	.000+00	4.862-25	1.065-04	4.620-02	9.124-03
1.0	.000+00	5.393-20	.000+00	3.969-25	8.493-05	3.736-02	9.166-03
1.2	.000+00	3.047-20	.000+00	3.250-25	6.721-05	2.999-02	9.201-03
1.4	.000+00	1.712-20	.000+00	2.665-25	5.313-05	2.394-02	9.231-03
1.6	.000+00	9.554-21	.000+00	2.183-25	4.179-05	1.899-02	9.255-03
1.8	.000+00	5.292-21	.000+00	1.773-25	3.263-05	1.493-02	9.274-03
2.0	.000+00	2.903-21	.000+00	1.432-25	2.510-05	1.161-02	9.294-03
2.2	.000+00	1.574-21	.000+00	1.138-25	1.910-05	8.861-03	9.312-03

T= 3900

LOG P	E=	Z	E/RT	H/RT	S/R	LOG P	Z=
-7.0	5.556-05	1.54778+00	1.60951+01	1.76e24+01	6.45046+01	-5.65537+00	1.54778+00
-6.8	5.241-05	1.49606+00	1.45620+01	1.60361+01	6.22514+01	-5.47071+00	1.49606+00
-6.6	4.915-05	1.44619+00	1.31585+01	1.46047+01	6.01911+01	-5.29486+00	1.44619+00
-6.4	4.578-05	1.40457+00	1.19558+01	1.33403+01	5.83322+01	-5.09754+00	1.40457+00
-6.2	4.238-05	1.36908+00	1.09302+01	1.22492+01	5.66682+01	-4.90865+00	1.36908+00
-6.0	3.900-05	1.33926+00	1.00886+01	1.14075+01	5.51833+01	-4.71822+00	1.33926+00
-5.8	3.570-05	1.31449+00	9.35340+00	1.06679+01	5.38572+01	-4.52632+00	1.31449+00
-5.6	3.253-05	1.29411+00	8.76507+00	1.00592+01	5.26684+01	-4.33311+00	1.29411+00
-5.4	2.952-05	1.27744+00	8.28452+00	9.56196+00	5.15959+01	-4.13874+00	1.27744+00
-5.2	2.670-05	1.26388+00	7.89416+00	9.15803+00	5.06204+01	-3.94338+00	1.26388+00
-5.0	2.408-05	1.25288+00	7.57831+00	8.83119+00	4.97252+01	-3.74717+00	1.25288+00
-4.8	2.166-05	1.24397+00	7.32348+00	8.56745+00	4.89955+01	-3.55027+00	1.24397+00
-4.6	1.945-05	1.23675+00	7.11818+00	8.35693+00	4.81191+01	-3.35280+00	1.23675+00
-4.4	1.744-05	1.23087+00	6.95280+00	8.18368+00	4.73855+01	-3.15487+00	1.23087+00
-4.2	1.561-05	1.22606+00	6.81935+00	8.04941+00	4.66864+01	-2.95657+00	1.22606+00
-4.0	1.396-05	1.22207+00	6.71119+00	7.93324+00	4.60146+01	-2.75799+00	1.22207+00
-3.8	1.247-05	1.21868+00	6.62274+00	7.84142+00	4.53641+01	-2.55919+00	1.21868+00
-3.6	1.113-05	1.21572+00	6.54935+00	7.76507+00	4.47302+01	-2.36025+00	1.21572+00
-3.4	9.922-06	1.21300+00	6.48693+00	7.69994+00	4.41086+01	-2.16122+00	1.21300+00
-3.2	8.839-06	1.21037+00	6.43178+00	7.64215+00	4.34954+01	-1.96216+00	1.21037+00
-3.0	7.865-06	1.20764+00	6.38034+00	7.58798+00	4.28872+01	-1.76314+00	1.20764+00
-2.8	6.989-06	1.20460+00	6.32894+00	7.53354+00	4.22804+01	-1.56424+00	1.20460+00
-2.6	6.201-06	1.20102+00	6.27353+00	7.47458+00	4.16710+01	-1.36553+00	1.20102+00
-2.4	5.489-06	1.19661+00	6.20966+00	7.40627+00	4.10550+01	-1.16713+00	1.19661+00
-2.2	4.846-06	1.19106+00	6.13215+00	7.32321+00	4.04277+01	-9.69150-01	1.19105+00
-2.0	4.262-06	1.18401+00	6.03572+00	7.21974+00	3.97843+01	-7.71730-01	1.18400+00
-1.8	3.730-06	1.17519+00	5.91560+00	7.09078+00	3.91209+01	-5.74970-01	1.17516+00
-1.6	3.244-06	1.16442+00	5.76884+00	6.93326+00	3.84354+01	-3.78970-01	1.16438+00
-1.4	2.801-06	1.15180+00	5.59575+00	6.74754+00	3.77289+01	-1.83710-01	1.15173+00
-1.2	2.398-06	1.13765+00	5.40061+00	6.53876+00	3.70066+01	1.09300-02	1.13755+00
-1.0	2.036-06	1.12257+00	5.19127+00	6.31384+00	3.62768+01	2.05130-01	1.12241+00
-.8	1.709-06	1.10728+00	4.97742+00	6.08477+00	3.55495+01	3.99180-01	1.10703+00
-.6	1.422-06	1.09246+00	4.76862+00	5.86108+00	3.48342+01	5.93320-01	1.09207+00
-.4	1.172-06	1.07868+00	4.57261+00	5.65129+00	3.41384+01	7.87810-01	1.07807+00
-.2	9.568-07	1.06634+00	4.39461+00	5.46095+00	3.34665+01	9.82810-01	1.06538+00
.0	7.746-07	1.05569+00	4.23728+00	5.29298+00	3.28207+01	1.17846+00	1.05419+00
.2	6.219-07	1.04688+00	4.10124+00	5.14812+00	3.22006+01	1.37482+00	1.04452+00
.4	4.956-07	1.04002+00	3.98564+00	5.02566+00	3.16045+01	1.57196+00	1.03631+00
.6	3.921-07	1.03525+00	3.88877+00	4.92402+00	3.10293+01	1.76996+00	1.02942+00
.8	3.082-07	1.03284+00	3.80849+00	4.84137+00	3.04735+01	1.96897+00	1.02369+00
1.0	2.409-07	1.03346+00	3.74257+00	4.77603+00	2.99319+01	2.16921+00	1.01896+00
1.2	1.876-07	1.03795+00	3.68888+00	4.72684+00	2.94015+01	2.37110+00	1.01507+00
1.4	1.455-07	1.04800+00	3.64552+00	4.69352+00	2.88780+01	2.57528+00	1.01186+00
1.6	1.130-07	1.06629+00	3.61088+00	4.67717+00	2.83570+01	2.78279+00	1.00920+00
1.8	8.828-08	1.09715+00	3.58372+00	4.68087+00	2.78322+01	2.99519+00	1.00695+00
2.0	6.955-08	1.14744+00	3.56323+00	4.71068+00	2.72958+01	3.21465+00	1.00496+00
2.2	5.643-08	1.22743+00	3.54918+00	4.77700+00	2.67363+01	3.44406+00	1.00302+00

T= 4000

LOG C	C2	NO	CO	O	N	N+	O+	O++	A+
-7.0	1.466-26	6.233-05	2.825-09	2.929-12	2.253-06	.000+00	3.272-06	.000+00	1.662-09
-6.8	3.691-26	6.091-05	2.174-09	4.402-12	1.336-06	.000+00	2.346-06	.000+00	1.192-09
-6.6	8.288-26	5.873-05	1.635-09	6.595-12	8.491-07	.000+00	1.684-06	.000+00	8.558-10
-6.4	1.957-25	5.596-05	1.212-09	9.827-12	5.105-07	.000+00	1.219-06	.000+00	6.149-10
-6.2	4.594-25	5.278-05	8.878-10	1.456-11	3.038-07	.000+00	8.693-07	.000+00	4.418-10
-6.0	1.071-24	4.932-05	6.455-10	2.149-11	1.772-07	.000+00	6.241-07	.000+00	3.173-10
-5.8	2.483-24	4.572-05	4.667-10	3.133-11	1.048-07	.000+00	4.475-07	.000+00	2.275-10
-5.6	5.723-24	4.210-05	3.360-10	4.558-11	6.091-08	.000+00	3.205-07	.000+00	1.630-10
-5.4	1.314-23	3.854-05	2.411-10	6.595-11	3.519-08	.000+00	2.291-07	.000+00	1.166-10
-5.2	2.996-23	3.511-05	1.725-10	9.502-11	2.023-08	.000+00	1.634-07	.000+00	8.324-11
-5.0	6.811-23	3.185-05	1.232-10	1.364-10	1.159-08	.000+00	1.166-07	.000+00	5.937-11
-4.8	1.543-22	2.879-05	8.785-11	1.951-10	6.612-09	.000+00	8.305-08	.000+00	4.230-11
-4.6	3.487-22	2.595-05	6.257-11	2.783-10	3.764-09	.000+00	5.907-08	.000+00	3.011-11
-4.4	7.859-22	2.334-05	4.470-11	3.971-10	2.138-09	.000+00	4.199-08	.000+00	2.142-11
-4.2	1.766-21	2.095-05	3.186-11	5.625-10	1.212-09	.000+00	2.980-08	.000+00	1.523-11
-4.0	3.961-21	1.877-05	2.250-11	7.973-10	6.864-10	.000+00	2.115-08	.000+00	1.082-11
-3.8	8.864-21	1.680-05	1.599-11	1.128-09	3.884-10	.000+00	1.499-08	.000+00	7.690-12
-3.6	1.979-20	1.501-05	1.136-11	1.593-09	2.196-10	.000+00	1.063-08	.000+00	5.464-12
-3.4	4.405-20	1.340-05	8.074-12	2.246-09	1.242-10	.000+00	7.526-09	.000+00	3.884-12
-3.2	9.772-20	1.195-05	5.742-12	3.159-09	7.021-11	.000+00	5.327-09	.000+00	2.762-12
-3.0	2.159-19	1.065-05	4.086-12	4.431-09	3.972-11	.000+00	3.764-09	.000+00	1.967-12
-2.8	4.743-19	9.479-06	2.912-12	6.196-09	2.250-11	.000+00	2.663-09	.000+00	1.402-12
-2.6	1.034-18	8.424-06	2.078-12	8.623-09	1.276-11	.000+00	1.881-09	.000+00	1.001-12
-2.4	2.233-18	7.475-06	1.487-12	1.193-08	7.257-12	.000+00	1.326-09	.000+00	7.173-13
-2.2	4.755-18	6.619-06	1.068-12	1.638-08	4.142-12	.000+00	9.336-10	.000+00	5.159-13
-2.0	9.943-18	5.845-06	7.697-13	2.224-08	2.375-12	.000+00	6.557-10	.000+00	3.729-13
-1.8	2.030-17	5.144-06	5.579-13	2.978-08	1.371-12	.000+00	4.591-10	.000+00	2.714-13
-1.6	4.021-17	4.507-06	4.072-13	3.918-08	7.981-13	.000+00	3.201-10	.000+00	1.992-13
-1.4	7.678-17	3.929-06	2.994-13	5.045-08	4.690-13	.000+00	2.221-10	.000+00	1.477-13
-1.2	1.406-16	3.404-06	2.219-13	6.339-08	2.787-13	.000+00	1.531-10	.000+00	1.107-13
-1.0	2.460-16	2.929-06	1.657-13	7.743-08	1.676-13	.000+00	1.049-10	.000+00	8.396-14
-.8	4.109-16	2.504-06	1.245-13	9.204-08	1.019-13	.000+00	7.137-11	.000+00	6.441-14
-.6	6.566-16	2.125-06	9.403-14	1.066-07	6.214-14	.000+00	4.823-11	.000+00	4.994-14
-.4	1.006-15	1.794-06	7.118-14	1.200-07	3.859-14	.000+00	3.238-11	.000+00	3.909-14
-.2	1.485-15	1.506-06	5.391-14	1.321-07	2.436-14	.000+00	2.163-11	.000+00	3.686-14
.0	2.121-15	1.259-06	4.077-14	1.424-07	1.538-14	.000+00	1.439-11	.000+00	1.455-14
.2	2.947-15	1.051-06	3.073-14	1.506-07	9.786-15	.000+00	9.552-12	.000+00	1.947-14
.4	3.998-15	8.764-07	2.306-14	1.569-07	6.273-15	.000+00	6.336-12	.000+00	1.587-14
.6	5.318-15	7.317-07	1.721-14	1.611-07	4.053-15	.000+00	4.205-12	.000+00	1.289-14
.8	6.966-15	6.129-07	1.277-14	1.636-07	2.641-15	.000+00	2.800-12	.000+00	1.056-14
1.0	9.024-15	5.162-07	9.426-15	1.647-07	1.739-15	.000+00	1.876-12	.000+00	8.696-15
1.2	1.162-14	4.386-07	6.921-15	1.650-07	1.159-15	.000+00	1.268-12	.000+00	7.238-15
1.4	1.497-14	3.774-07	5.065-15	1.650-07	7.856-16	.000+00	8.679-13	.000+00	6.089-15
1.6	1.949-14	3.308-07	3.702-15	1.659-07	5.440-16	.000+00	6.055-13	.000+00	5.193-15
1.8	2.600-14	2.979-07	2.711-15	1.693-07	3.884-16	.000+00	4.346-13	.000+00	4.506-15
2.0	3.628-14	2.793-07	2.000-15	1.777-07	2.859-16	.000+00	3.253-13	.000+00	4.005-15
2.2	5.467-14	2.784-07	1.496-15	1.962-07	2.314-16	.000+00	2.596-13	.000+00	3.684-15

T= 4500

T= 4000

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	6.854-05	1.64086+00	1.83986+01	2.C0395+01	6.72449+01	-5.61901+00	1.64086+00
-6.8	6.500-05	1.58052+00	1.66 2+01	1.82787+01	6.48028+01	-5.43529+00	1.58052+00
-6.6	6.144-05	1.52330+00	1.51028+01	1.66267+01	6.24929+01	-5.25113+00	1.52330+00
-6.4	5.798-05	1.47261+00	1.36577+01	1.51303+01	6.03580+01	-5.06600+00	1.47261+00
-6.2	5.400-05	1.42742+00	1.23447+01	1.38122+01	5.84176+01	-4.87953+00	1.42742+00
-6.0	5.015-05	1.38868+00	1.12879+01	1.26764+01	5.66726+01	-4.69154+00	1.38868+00
-5.8	4.630-05	1.35550+00	1.03591+01	1.17146+01	5.51122+01	-4.50199+00	1.35550+00
-5.6	4.250-05	1.32793+00	9.5830 +00	1.0911 +01	5.37185+01	-4.31091+00	1.32793+00
-5.4	3.881-05	1.30513+00	8.94148+00	1.02466+01	5.24708+01	-4.11843+00	1.30513+00
-5.2	3.530-05	1.28641+00	8.41541+00	9.70187+00	5.13482+01	-3.92471+00	1.28641+00
-5.0	3.198-05	1.27113+00	7.98674+00	9.25788+00	5.033C8+01	-3.72990+00	1.27113+00
-4.8	2.888-05	1.25871+00	7.63908+00	8.89779+00	4.94007+01	-3.53416+00	1.25871+00
-4.6	2.602-05	1.24863+00	7.3588C4+00	8.60867+00	4.85624+01	-3.33765+00	1.24863+00
-4.4	2.338-05	1.24045+00	7.13130+00	8.37175+00	4.77426+01	-3.14051+00	1.24045+00
-4.2	2.098-05	1.23380+00	6.94846+00	8.18225+00	4.69901+01	-2.94284+00	1.23379+00
-4.0	1.879-05	1.22834+00	6.80080+00	8.02914+00	4.62755+01	-2.74477+00	1.22834+00
-3.8	1.681-05	1.22381+00	6.6810 +00	7.90488+00	4.55912+01	-2.54637+00	1.22381+00
-3.6	1.502-05	1.21997+00	6.58320+00	7.80317+00	4.49307+01	-2.34774+00	1.21997+00
-3.4	1. .1-05	1.21662+00	6.5020 +00	7.71966+00	4.42885+01	-2.14893+00	1.21662+00
-3.2	1.196-05	1.21356+00	6.43313+00	7.64469+00	4.36600+01	-1.95003+00	1.21356+00
-3.0	1.065-05	1.21060+00	6.37342+00	7.58303+00	4.30411+01	-1.75108+00	1.21062+00
-2.8	9.477-06	1.20755+00	6.31604+00	7.52363+00	4.24280+01	-1.55218+00	1.20755+00
-2.6	8.419-06	1.20419+00	6.26016+00	7.46634+00	4.18167+01	-1.35333+00	1.20418+00
-2.4	7.466-06	1.20024+00	5.20000+00	7.40000E+00	4.12033+01	-1.15442+00	1.20024+00
-2.2	6.605-06	1.19544+00	6.13223+00	7.32767+00	4.05835+01	-9.56560-01	1.19543+00
-2.0	5.825-06	1.18943+00	6.05042+00	7.23985+00	3.99525+01	-7.58750-01	1.18941+00
-1.8	5.117-06	1.18189+00	5.96485+00	7.13174+00	3.93058+01	-5.61510-01	1.18187+00
-1.6	4.471-06	1.17257+00	5.8781 +00	6.99871+00	3.86399+01	-3.66450-01	1.17252+00
-1.4	3.881-06	1.16133+00	5.67706+00	6.83839+00	3.79534+01	-1.69130-01	1.16127+00
-1.2	3.3 1-06	1.14833+00	5.50363+00	6.65196+00	3.72481+01	2.59800-02	1.14822+00
-1.0	2.854-06	1.13394+00	5.31076+00	6.44471+00	3.65297+01	2.20510-01	1.13380+00
-.8	2.414-06	1.11884+00	5.13642+00	6.22526+00	3.58066+01	4.14680-01	1.11859+00
-.6	2.021-06	1.10369+00	4.90000+00	6.00369+00	3.50884+01	6.08760-01	1.10330+00
-.4	1.675-06	1.08918+00	4.76034+00	5.78852+00	3.43839+01	8.03010-01	1.08856+00
-.2	1.375-06	1.07585+00	4.5143 +00	5.59022+00	3.36995+01	9.97860-01	1.07488+00
.0	1.119-06	1.06407+00	4.36155+00	5.41062+00	3.30390+01	1.19288+00	1.06256+00
.2	9.C17-07	1.05411+00	4.19894+00	5.25305+00	3.24038+01	1.38880+00	1.05174+00
.4	7.207-07	1.04615+00	4.07180+00	5.11795+00	3.17931+01	1.58551+00	1.04242+00
.6	5.716-07	1.04038+00	3.96410+00	5.00448+00	3.12051+01	1.78311+00	1.03453+00
.8	4.501-07	1.03713+00	3.87406+00	4.91120+00	3.06368+01	1.98175+00	1.02791+00
1.0	3.522-07	1.03695+00	3.79961+00	4.83656+00	3.00849+01	2.18167+00	1.02242+00
1.2	2.742-07	1.04079+00	3.73861+00	4.77940+00	2.95456+01	2.38328+00	1.01787+00
1.4	2.129-07	1.05028+00	3.68908+00	4.73936+00	2.90169+01	2.58722+00	1.01412+00
1.6	1.653-07	1.06911+00	3.64930+00	4.71741+00	2.84877+01	2.79453+00	1.01100+00
1.8	1.290-07	1.09856+00	3.61790+00	4.71446+00	2.79580+01	3.00674+00	1.00837+00
2.0	1.014-07	1.14868+00	3.59393+00	4.74241+00	2.74176+01	3.22604+00	1.00606+00
2.2	8.247-08	1.22849+00	3.57705+00	4.80554+00	2.68548+01	3.45528+00	1.00386+00

T= 4100

LOG C	N2	O2	NO	CO	CO2	NO2	N2+	O2+	NO+
-7.0	1.492-01	4.819-08	2.741-05	1.273-04	7.535-12	7.188-15	5.993-13	.137-09	1.424-10
-6.8	1.911-01	7.914-08	3.976-05	1.507-04	1.413-11	1.677-14	1.229-12	7.268-09	1.618-10
-6.6	2.345-01	1.302-07	5.672-05	1.714-04	2.550-11	3.736-14	2.379-12	6.214-08	1.433-10
-6.4	2.832-01	2.141-07	7.961-05	1.836-04	4.445-11	8.310-14	5.439-12	5.154-08	2.036-10
-6.2	3.295-01	3.514-07	1.100-04	2.047-04	7.640-11	1.820-13	8.295-12	4.161-08	2.356-10
-6.0	3.738-01	5.756-07	1.492-04	2.172-04	1.285-10	3.930-13	1.491-11	3.284-08	2.717-10
-5.8	4.147-01	9.332-07	2.018-04	2.276-04	2.134-10	8.361-13	2.622-11	2.542-08	3.094-10
-5.6	4.519-01	1.517-06	2.685-04	2.362-04	3.508-10	1.767-12	4.524-11	1.937-08	3.519-10
-5.4	4.843-01	2.473-06	3.538-04	2.432-04	5.723-10	3.693-12	7.686-11	1.456-08	3.996-10
-5.2	5.125-01	3.932-06	4.624-04	2.489-04	9.281-10	7.640-12	1.289-10	1.082-08	4.531-10
-5.0	5.365-01	6.422-06	6.000-04	2.536-04	1.498-09	1.571-11	2.137-10	7.971-09	5.139-10
-4.8	5.566-01	1.030-05	7.742-04	2.576-04	2.409-09	3.210-11	3.513-10	5.827-09	5.796-10
-4.6	5.734-01	1.669-05	9.939-04	2.605-04	3.861-09	6.528-11	5.731-10	4.233-09	6.561-10
-4.4	5.872-01	2.632-05	1.271-03	2.630-04	6.173-09	1.322-10	9.293-10	3.066-09	7.371-10
-4.2	5.981-01	4.092-05	1.619-03	2.650-04	9.848-09	2.666-10	1.500-09	2.204-09	8.236-10
-4.0	6.067-01	6.245-05	2.057-03	2.667-04	1.568-08	5.361-10	2.409-09	1.582-09	9.226-10
-3.8	6.135-01	9.478-05	2.607-03	2.681-04	2.496-08	1.075-09	3.858-09	1.133-09	1.047-09
-3.6	6.189-01	1.423-04	3.297-03	2.692-04	3.940-08	2.144-09	6.153-09	8.097-10	1.174-09
-3.4	6.229-01	2.665-04	4.141-03	2.701-04	6.279-08	4.286-09	9.804-09	5.780-10	1.315-09
-3.2	6.259-01	4.176-04	5.241-03	2.709-04	9.946-08	8.521-09	1.557-08	4.123-10	1.470-09
-3.0	6.329-01	6.567-04	6.588-03	2.717-04	1.571-07	1.689-08	2.467-08	2.940-10	1.640-09
-2.8	6.344-01	1.029-03	8.263-03	2.723-04	2.478-07	3.333-08	3.897-08	2.087-10	1.826-09
-2.6	6.364-01	1.605-03	1.033-02	2.729-04	3.900-07	6.543-08	6.134-08	1.494-10	2.026-09
-2.4	6.386-01	2.496-03	1.288-02	2.734-04	6.116-07	1.276-07	9.627-08	1.063-10	2.238-09
-2.2	6.401-01	3.820-03	1.593-02	2.742-04	9.550-07	2.467-07	1.503-07	7.652-11	2.457-09
-2.0	6.418-01	5.802-03	1.973-02	2.749-04	1.492-06	4.713-07	2.333-07	5.509-11	2.677-09
-1.8	6.436-01	8.673-03	2.436-02	2.756-04	2.282-06	8.964-07	3.593-07	3.981-11	2.885-09
-1.6	6.460-01	1.279-02	2.991-02	2.764-04	3.476-06	1.634-06	5.479-07	2.895-11	3.066-09
-1.4	6.490-01	1.821-02	3.614-02	2.770-04	5.224-06	2.934-06	8.254-07	2.126-11	3.203-09
-1.2	6.528-01	2.539-02	4.154-02	2.774-04	7.723-06	5.128-06	1.224-06	1.574-11	3.278-09
-1.0	6.575-01	3.400-02	4.833-02	2.772-04	1.120-05	8.657-06	1.791-06	1.179-11	3.276-09
-.8	6.631-01	4.410-02	5.528-02	2.763-04	1.590-05	1.411-05	2.573-06	8.934-12	3.194-09
-.6	6.692-01	5.519-02	6.213-02	2.741-04	2.207-05	2.219-05	3.633-06	6.855-12	3.038-09
-.4	6.759-01	6.677-02	6.856-02	2.703-04	2.994-05	3.375-05	5.044-06	5.314-12	2.823-09
-.2	6.822-01	7.839-02	7.471-02	2.646-04	3.969-05	4.978-05	6.897-06	4.165-12	2.568-09
.0	6.885-01	8.931-02	8.016-02	2.566-04	5.146-05	7.148-05	9.301-06	3.293-12	2.295-09
.2	6.943-01	9.949-02	8.465-02	2.462-04	6.528-05	1.003-04	1.239-05	2.626-12	2.021-09
.4	6.996-01	1.088-01	8.809-02	2.335-04	8.111-05	1.383-04	1.634-05	2.111-12	1.760-09
.6	7.042-01	1.166-01	9.061-02	2.185-04	9.875-05	1.874-04	2.137-05	1.711-12	1.521-09
.8	7.082-01	1.235-01	9.255-02	2.017-04	1.179-04	2.527-04	2.773-05	1.398-12	1.309-09
1.0	7.116-01	1.293-01	9.398-02	1.834-04	1.342-04	3.381-04	3.577-05	1.153-12	1.124-09
1.2	7.145-01	1.341-01	9.496-02	1.641-04	1.591-04	4.522-04	4.591-05	9.698-13	9.668-10
1.4	7.169-01	1.381-01	1.015-01	1.445-04	1.801-04	6.089-04	5.868-05	8.116-13	8.358-10
1.6	7.189-01	1.414-01	1.028-01	1.249-04	2.009-04	8.335-04	7.472-05	6.944-13	7.291-10
1.8	7.206-01	1.440-01	1.036-01	1.059-04	2.209-04	1.176-03	9.442-05	5.975-13	6.453-10
-.0	7.221-01	1.460-01	1.042-01	8.761-05	2.400-04	1.747-03	1.193-04	5.466-13	5.837-10
2.2	7.234-01	1.473-01	1.043-01	7.045-05	2.580-04	2.820-03	1.503-04	5.126-13	5.456-10

T= 4100

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.759-26	6.983-05	4.723-09	3.129-12	5.822-06	.000+00	6.500-06	.000+00	3.657-09
-6.8	4.175-26	7.010-05	3.869-09	4.685-12	3.688-06	.000+00	4.662-06	.000+00	2.767-09
-6.6	9.934-26	6.914-05	3.045-09	7.035-12	2.235-06	.000+00	3.345-06	.000+00	1.991-09
-6.4	2.360-25	6.717-05	2.329-09	1.055-11	1.407-06	.000+00	2.403-06	.000+00	1.426-09
-6.2	5.585-25	6.461-05	1.745-09	1.575-11	8.514-07	.000+00	1.727-06	.000+00	1.025-09
-6.0	1.314-24	6.107-05	1.288-09	2.338-11	5.094-07	.000+00	1.242-06	.000+00	7.373-10
-5.8	3.073-24	5.736-05	9.420-10	3.451-11	3.018-07	.000+00	8.922-07	.000+00	5.298-10
-5.6	7.141-24	5.338-05	6.837-10	5.061-11	1.773-07	.000+00	6.403-07	.000+00	3.803-10
-5.4	1.650-23	4.932-05	4.936-10	7.379-11	1.034-07	.000+00	4.524-07	.000+00	2.727-10
-5.2	3.791-23	4.527-05	3.558-10	1.070-10	5.691-08	.000+00	3.286-07	.000+00	1.952-10
-5.0	8.577-23	4.134-05	2.564-10	1.535-10	3.453-08	.000+00	2.347-07	.000+00	1.395-10
-4.8	1.926-22	3.757-05	[illegible]	2	1.681-08	.000+00	1.674-07	.000+00	9.959-11
-4.6	4.479-22	3.402-05	1.298-10	3.181-10	1.133-08	.000+00	1.193-07	.000+00	7.101-11
-4.4	1.013-21	3.071-05	9.254-11	4.543-10	6.456-09	.000+00	8.483-08	.000+00	5.057-11
-4.2	2.284-21	2.764-05	6.589-11	6.470-10	3.671-09	.000+00	6.035-08	.000+00	3.599-11
-4.0	5.136-21	2.483-05	4.688-11	9.194-10	2.084-09	.000+00	4.287-08	.000+00	2.560-11
-3.8	1.157-20	2.227-05	3.334-11	1.304-09	1.181-09	.000+00	3.042-08	.000+00	1.820-11
-3.6	2.578-20	1.994-05	2.370-11	1.845-09	6.687-10	.000+00	2.154-08	.000+00	1.294-11
-3.4	5.753-20	1.782-05	1.685-11	2.605-09	3.794-10	.000+00	1.529-08	.000+00	9.199-12
-3.2	1.280-19	1.592-05	1.194-11	3.672-09	2.141-10	.000+00	1.083-08	.000+00	6.542-12
-3.0	2.836-19	1.420-05	8.524-12	5.162-09	1.211-10	.000+00	7.667-09	.000+00	4.656-12
-2.8	6.256-19	1.265-05	6.071-12	7.235-09	6.858-11	.000+00	5.423-09	.000+00	3.317-12
-2.6	1.371-18	1.126-05	4.329-12	1.010-08	3.887-11	.000+00	3.832-09	.000+00	2.364-12
-2.4	2.982-18	1.000-05	3.093-12	1.404-08	2.207-11	.000+00	2.706-09	.000+00	1.692-12
-2.2	6.412-18	8.872-06	2.216-12	1.938-08	1.257-11	.000+00	1.907-09	.000+00	1.214-12
-2.0	1.358-17	7.851-06	1.593-12	2.652-08	7.186-12	.000+00	1.342-09	.000+00	8.763-13
-1.8	2.821-17	6.929-06	1.151-12	3.588-08	4.130-12	.000+00	9.420-10	.000+00	6.334-13
-1.6	5.712-17	6.092-06	8.363-13	4.780-08	2.390-12	.000+00	6.590-10	.000+00	4.622-13
-1.4	1.120-16	5.333-06	6.120-13	6.251-08	1.395-12	.000+00	4.591-10	.000+00	3.403-13
-1.2	2.116-16	4.643-06	4.513-13	7.592-08	8.224-13	.000+00	3.182-10	.000+00	2.532-13
-1.0	3.823-16	4.019-06	3.356-13	9.959-08	4.908-13	.000+00	2.192-10	.000+00	1.906-13
-.8	6.632-16	3.455-06	2.514-13	1.207-07	2.963-13	.000+00	1.501-10	.000+00	1.451-13
-.6	1.089-15	2.952-06	1.896-13	1.423-07	1.809-13	.000+00	1.021-10	.000+00	1.118-13
-.4	1.718-15	2.506-06	1.436-13	1.633-07	1.117-13	.000+00	6.895-11	.000+00	8.705-14
-.2	2.603-15	2.116-06	1.090-13	1.826-07	6.964-14	.000+00	4.634-11	.000+00	6.844-14
.0	3.802-15	1.779-06	8.285-14	1.995-07	4.383-14	.000+00	3.101-11	.000+00	5.428-14
.2	5.382-15	1.492-06	6.287-14	2.135-07	2.742-14	.000+00	2.068-11	.000+00	4.339-14
.4	7.414-15	1.250-06	4.758-14	2.244-07	1.780-14	.000+00	1.378-11	.000+00	3.496-14
.6	9.987-15	1.048-06	3.586-14	2.323-07	1.149-14	.000+00	9.185-12	.000+00	2.838-14
.8	1.321-14	8.806-07	2.690-14	2.373-07	7.487-15	.000+00	6.140-12	.000+00	2.321-14
1.0	1.725-14	7.441-07	2.009-14	2.401-07	4.973-15	.000+00	4.125-12	.000+00	1.915-14
1.2	2.235-14	6.340-07	1.493-14	2.412-07	3.297-15	.000+00	2.795-12	.000+00	1.595-14
1.4	2.893-14	5.469-07	1.107-14	2.419-07	2.228-15	.000+00	1.918-12	.000+00	1.344-14
1.6	3.778-14	4.804-07	8.193-15	2.436-07	1.543-15	.000+00	1.341-12	.000+00	1.148-14
1.8	5.049-14	4.333-07	6.078-15	2.487-07	1.101-15	.000+00	9.633-13	.000+00	9.983-15
2.0	7.052-14	4.067-07	4.541-15	2.611-07	8.216-16	.000+00	7.211-13	.000+00	8.898-15
2.2	1.062-13	4.054-07	3.447-15	2.879-07	6.569-16	.000+00	5.745-13	.000+00	8.218-15

T= 41CC

LOG C	A**	F*	C**	NE*	N	C	A	C	NE
-7.0	.000+00	1.822-06	.000+00	9.431-19	6.731-01	2.423-01	5.332-03	6.191-05	1.731-05
-6.8	.000+00	9.679-07	.000+00	6.847-19	5.521-01	2.478-01	5.589-03	4.579-05	1.735-05
-6.6	.000+00	4.907-07	.000+00	4.962-19	4.470-01	2.533-01	5.852-03	3.240-05	1.869-05
-6.4	.000+00	2.320-07	.000+00	3.550-19	3.601-01	2.702-01	6.021-03	2.234-05	1.934-05
-6.2	.000+00	1.093-07	.000+00	2.552-19	3.839-01	2.759-01	6.239-03	1.563-05	2.006-05
-6.0	.000+00	5.111-08	.000+00	1.835-19	3.301-01	2.990-01	6.446-03	1.047-05	2.071-05
-5.8	.000+00	2.354-08	.000+00	1.319-19	2.853-01	2.277-01	6.639-03	7.121-06	2.132-05
-5.6	.000+00	1.080-08	.000+00	9.467-20	2.354-01	3.155-01	6.813-03	4.831-06	2.188-05
-5.4	.000+00	4.921-09	.000+00	6.787-20	1.958-01	3.123-01	6.964-03	3.245-06	2.237-05
-5.2	.000+00	2.233-09	.000+00	4.858-20	1.615-01	3.181-01	7.099-03	1.622-06	2.280-05
-5.0	.000+00	1.010-09	.000+00	3.473-20	1.323-01	3.231-01	7.212-03	1.223-06	2.316-05
-4.8	.000+00	4.561-10	.000+00	2.479-20	1.077-01	3.272-01	7.307-03	7.839-07	2.347-05
-4.6	.000+00	2.055-10	.000+00	1.767-20	8.732-02	3.305-01	7.387-03	5.009-07	2.373-05
-4.4	.000+00	9.252-11	.000+00	1.253-20	7.051-02	3.332-01	7.453-03	3.194-07	2.394-05
-4.2	.000+00	4.161-11	.000+00	8.959-21	5.675-02	3.353-01	7.508-03	2.033-07	2.411-05
-4.0	.000+00	1.870-11	.000+00	6.372-21	4.555-02	3.369-01	7.553-03	1.293-07	2.426-05
-3.8	.000+00	8.407-12	.000+00	4.531-21	3.649-02	3.379-01	7.590-03	8.212-08	2.434-05
-3.6	.000+00	3.780-12	.000+00	3.221-21	2.919-02	3.385-01	7.622-03	5.215-08	2.448-05
-3.4	.000+00	1.701-12	.000+00	2.290-21	2.331-02	3.386-01	7.648-03	3.312-08	2.457-05
-3.2	.000+00	7.662-13	.000+00	1.628-21	1.860-02	3.383-01	7.672-03	2.105-08	2.464-05
-3.0	.000+00	3.459-13	.000+00	1.159-21	1.483-02	3.374-01	7.694-03	1.339-08	2.471-05
-2.8	.000+00	1.565-13	.000+00	8.255-22	1.182-02	3.360-01	7.715-03	8.527-09	2.478-05
-2.6	.000+00	7.109-14	.000+00	5.890-22	9.418-03	3.337-01	7.736-03	5.444-09	2.485-05
-2.4	.000+00	3.246-14	.000+00	4.212-22	7.503-03	3.305-01	7.760-03	3.487-09	2.493-05
-2.2	.000+00	1.493-14	.000+00	3.021-22	5.978-03	3.260-01	7.788-03	2.244-09	2.502-05
-2.0	.000+00	6.934-15	.000+00	2.176-22	4.765-03	3.198-01	7.823-03	1.453-09	2.513-05
-1.8	.000+00	3.262-15	.000+00	1.576-22	3.801-03	3.116-01	7.866-03	9.489-10	2.527-05
-1.6	.000+00	1.560-15	.000+00	1.150-22	3.035-03	3.007-01	7.920-03	6.262-10	2.544-05
-1.4	.000+00	7.613-16	.000+00	8.470-23	2.426-03	2.869-01	7.987-03	4.185-10	2.566-05
-1.2	.000+00	3.803-16	.000+00	6.361-23	1.943-03	2.700-01	8.069-03	2.839-10	2.592-05
-1.0	.000+00	1.949-16	.000+00	4.742-23	1.558-03	2.501-01	8.164-03	1.956-10	2.622-05
-.8	.000+00	1.025-16	.000+00	3.610-23	1.251-03	2.277-01	8.270-03	1.368-10	2.656-05
-.6	.000+00	5.523-17	.000+00	2.781-23	1.005-03	2.037-01	8.383-03	9.701-11	2.693-05
-.4	.000+00	3.041-17	.000+00	2.164-23	8.074-04	1.792-01	8.498-03	6.956-11	2.730-05
-.2	.000+00	1.705-17	.000+00	1.700-23	6.485-04	1.551-01	8.612-03	5.026-11	2.767-05
.0	.000+00	9.689-18	.000+00	1.367-23	5.206-04	1.326-01	8.719-03	3.646-11	2.800-05
.2	.000+00	5.560-18	.000+00	1.075-23	4.174-04	1.115-01	8.817-03	2.646-11	2.832-05
.4	.000+00	3.210-18	.000+00	8.642-24	3.342-04	9.297-02	8.906-03	1.916-11	2.860-05
.6	.000+00	1.859-18	.000+00	6.987-24	2.671-04	7.676-02	8.980-03	1.379-11	2.884-05
.8	.000+00	1.077-18	.000+00	5.681-24	2.132-04	6.287-02	9.046-03	9.835-12	2.905-05
1.0	.000+00	6.232-19	.000+00	4.643-24	1.697-04	5.111-02	9.101-03	6.939-12	2.923-05
1.2	.000+00	3.594-19	.000+00	3.808-24	1.348-04	4.128-02	9.148-03	4.829-12	2.938-05
1.4	.000+00	2.063-19	.000+00	3.131-24	1.067-04	3.312-02	9.187-03	3.335-12	2.951-05
1.6	.000+00	1.178-19	.000+00	2.574-24	8.398-05	2.638-02	9.220-03	2.217-12	2.961-05
1.8	.000+00	6.673-20	.000+00	2.107-24	6.562-05	2.082-02	9.248-03	1.469-12	2.970-05
2.0	.000+00	3.748-20	.000+00	1.706-24	5.070-05	1.622-02	9.272-03	9.157-13	2.978-05
2.2	.000+00	2.093-20	.000+00	1.355-24	3.848-05	1.242-02	9.295-03	5.523-13	2.986-05

T= 41CC

LOG C	E*	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	8.412-05	1.73231+00	2.05444+01	2.22769+01	6.98721+01	-5.58474+00	1.73231+00
-6.8	7.450-05	1.67123+00	1.88655+01	2.05367+01	6.74093+01	-5.40033+00	1.67123+00
-6.6	7.533-05	1.60990+00	1.71759+01	1.87898+01	6.49683+01	-5.21656+00	1.60990+00
-6.4	7.126-05	1.55119+00	1.55663+01	1.71174+01	6.26269+01	-5.03270+00	1.55119+00
-6.2	6.714-05	1.49712+00	1.40804+01	1.55774+01	6.04394+01	-4.84810+00	1.49712+00
-6.0	6.291-05	1.44887+00	1.27546+01	1.42035+01	5.84355+01	-4.66233+00	1.44887+00
-5.8	5.859-05	1.40486+00	1.16004+01	1.30073+01	5.66241+01	-4.47511+00	1.40486+00
-5.6	5.423-05	1.37099+00	1.06152+01	1.19862+01	5.49994+01	-4.28633+00	1.37099+00
-5.4	4.990-05	1.34082+00	9.78683+00	1.11277+01	5.35469+01	-4.09599+00	1.34082+00
-5.2	4.568-05	1.31574+00	9.09864+00	1.04144+01	5.22472+01	-3.90619+00	1.31574+00
-5.0	4.142-05	1.29507+00	8.53214+00	9.92721+00	5.10797+01	-3.71407+00	1.29507+00
-4.8	3.7 -05	1.27815+00	8.0691240	9.34728+00	5.00243+01	-3.51678+00	1.27815+00
-4.6	3.416-05	1.26437+00	7.69269+00	8.95706+00	4.90626+01	-3.32149+00	1.26437+00
-4.4	3.080-05	1.25316+00	7.38782+00	8.66098+00	4.81781+01	-3.12536+00	1.25316+00
-4.2	2.771-05	1.24405+00	7.14149+00	8.38554+00	4.73569+01	-2.92853+00	1.24405+00
-4.0	2.488-05	1.23662+00	6.94261+00	8.17923+00	4.65869+01	-2.73113+00	1.23662+00
-3.8	2.230-05	1.23052+00	6.78185+00	8.01238+00	4.58581+01	-2.53327+00	1.23052+00
-3.6	1.996-05	1.22546+00	6.65141+00	7.87687+00	4.51621+01	-2.33506+00	1.22546+00
-3.4	1.784-05	1.22117+00	6.54472+00	7.74585+00	4.44921+01	-2.13659+00	1.22117+00
-3.2	1.593-05	1.21743+00	6.45623+00	7.47365+00	4.38421+01	-1.93792+00	1.21742+00
-3.0	1.420-05	1.21401+00	6.38110+00	7.59510+00	4.32072+01	-1.73914+00	1.21401+00
-2.8	1.265-05	1.21071+00	6.31496+00	7.52567+00	4.25827+01	-1.54032+00	1.21071+00
-2.6	1.125-05	1.20731+00	6.25368+00	7.46099+00	4.19647+01	-1.34154+00	1.20731+00
-2.4	9.993-06	1.20357+00	6.19307+00	7.39866+00	4.13489+01	-1.14289+00	1.20357+00
-2.2	8.857-06	1.19922+00	6.12866+00	7.32788+00	4.07312+01	-9.44460-01	1.19921+00
-2.0	7.829-06	1.19395+00	6.05563+00	7.24958+00	4.01071+01	-7.46330-01	1.19393+00
-1.8	6.897-06	1.18742+00	5.96885+00	7.15628+00	3.94719+01	-5.48760-01	1.18740+00
-1.6	6.048-06	1.17932+00	5.86338+00	7.04270+00	3.88214+01	-3.51730-01	1.17928+00
-1.4	5.274-06	1.16942+00	5.73538+00	6.90480+00	3.81526+01	-1.55390-01	1.16935+00
-1.2	4.567-06	1.15767+00	5.58335+00	6.74102+00	3.74666+01	4.02200-02	1.15756+00
-1.0	3.923-06	1.14427+00	5.40922+00	6.55347+00	3.67604+01	2.35170-01	1.14410+00
-.8	3.338-06	1.12969+00	5.21844+00	6.34813+00	3.60461+01	4.29600-01	1.12943+00
-.6	2.812-06	1.11458+00	5.01919+00	6.13376+00	3.53300+01	6.23750-01	1.11418+00
-.4	2.345-06	1.09965+00	4.82040+00	5.92005+00	3.46215+01	8.17890-01	1.09903+00
-.2	1.936-06	1.08555+00	4.63014+00	5.71572+00	3.39281+01	1.01229+00	1.08498+00
.0	1.582-06	1.07280+00	4.45451+00	5.52731+00	3.32556+01	1.20716+00	1.07128+00
.2	1.281-06	1.06176+00	4.29719+00	5.35488+00	3.26067+01	1.40267+00	1.05938+00
.4	1.027-06	1.05272+00	4.15942+00	5.21215+00	3.19823+01	1.59895+00	1.04898+00
.6	8.169-07	1.04594+00	4.04136+00	5.08736+00	3.13811+01	1.79615+00	1.04096+00
.8	6.445-07	1.04177+00	3.94169+00	4.98346+00	3.08008+01	1.99441+00	1.03533+00
1.0	5.05 -07	1.04078+00	3.85861+00	4.89935+00	3.02386+01	2.19400+00	1.03222+00
1.2	3.937-07	1.04342+00	3.79010+00	4.83402+00	2.96900+01	2.39531+00	1.03097+00
1.4	3.058-07	1.05282+00	3.73615+00	4.78498+00	2.91515+01	2.59899+00	1.03162+00
1.6	2.375-07	1.07216+00	3.68897+00	4.75910+00	2.86179+01	2.80608+00	1.03301+00
1.8	1.852-07	1.10015+00	3.65306+00	4.75321+00	2.80829+01	3.01809+00	1.00996+00
2.0	1.442-07	1.14984+00	3.62534+00	4.77504+00	2.75381+01	3.23721+00	1.00330+00
2.2	1.180-07	1.22927+00	3.60545+00	4.83672+00	2.69718+01	3.46628+00	1.00480+00

T= 4200

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.853-02	3.296-08	1.956-05	8.803-C5	3.702-12	4.227-15	3.591-13	1.242-C7	1.756-10
-6.8	1.330-01	5.386-08	2.907-05	1.124-C4	7.521-12	9.948-15	7.593-13	1.172-C7	2.008-10
-6.6	1.730-01	8.837-08	4.247-05	1.375-C4	1.457-11	2.303-14	1.565-12	1.059-C7	2.236-10
-6.4	2.171-01	1.453-07	6.102-05	1.602-C4	2.681-11	5.244-14	3.114-12	9.208-08	2.606-10
-6.2	2.635-01	2.390-07	8.622-05	1.801-04	4.777-11	1.174-13	5.989-12	7.741-09	2.999-10
-6.0	3.102-01	3.927-07	1.199-04	1.970-C4	8.281-11	2.588-13	1.117-11	6.322-08	3.384-10
-5.8	3.555-01	6.438-07	1.643-04	2.111-C4	1.406-10	5.620-13	2.029-11	5.039-08	3.858-10
-5.6	3.980-01	1.052-06	2.223-04	2.227-C4	2.351-10	1.205-12	3.599-11	3.933-08	4.396-10
-5.4	4.367-01	1.713-06	2.971-04	2.323-C4	3.886-10	2.551-12	6.258-11	3.017-08	5.004-10
-5.2	4.711-01	2.778-06	3.930-04	2.401-C4	6.361-10	5.347-12	1.070-10	2.280-08	5.687-10
-5.0	5.011-01	4.490-06	5.153-04	2.464-C4	1.034-C9	1.111-11	1.803-10	1.703-08	6.453-10
-4.8	5.269-01	7.232-06	6.706-04	2.516-C4	1.673-C9	2.290-11	3.002-10	1.259-08	7.309-10
-4.6	5.486-01	1.161-05	8.671-04	2.558-C4	2.695-09	4.690-11	4.952-10	9.233-09	8.265-10
-4.4	5.667-01	1.860-05	1.115-03	2.592-C4	4.325-C9	9.553-11	8.101-10	6.725-09	9.332-10
-4.2	5.817-01	2.970-05	1.420-03	2.620-C4	6.921-C9	1.937-10	1.317-09	4.872-09	1.052-09
-4.0	5.939-01	4.733-05	1.822-03	2.643-C4	1.105-C8	3.911-10	2.128-09	3.514-09	1.184-09
-3.8	6.039-01	7.527-05	2.316-03	2.661-04	1.761-C8	7.869-10	3.424-09	2.526-09	1.332-09
-3.6	6.120-01	1.195-04	2.937-03	2.676-C4	2.800-C8	1.578-09	5.488-09	1.811-09	1.495-09
-3.4	6.185-01	1.892-04	3.716-03	2.688-C4	4.447-C8	3.156-09	8.767-09	1.296-09	1.676-09
-3.2	6.237-01	2.989-04	4.690-03	2.699-C4	7.050-08	6.292-09	1.396-08	9.259-10	1.877-09
-3.0	6.278-01	4.710-04	5.908-03	2.708-C4	1.116-07	1.250-08	2.217-08	6.610-10	2.097-09
-2.8	6.312-01	7.359-04	7.424-03	2.716-C4	1.763-07	2.475-08	3.512-08	4.717-10	2.339-09
-2.6	6.338-01	1.158-03	9.305-03	2.723-C4	2.780-07	4.878-08	5.545-08	3.367-10	2.600-09
-2.4	6.360-01	1.801-03	1.163-02	2.730-C4	4.370-07	9.550-08	8.724-08	2.405-10	2.891-09
-2.2	6.379-01	2.784-03	1.448-02	2.737-C4	6.845-07	1.859-07	1.367-07	1.721-10	3.177-09
-2.0	6.396-01	4.261-03	1.793-02	2.744-C4	1.067-06	3.580-07	2.131-07	1.235-10	3.480-09
-1.8	6.414-01	6.441-03	2.208-02	2.752-C4	1.652-06	6.806-07	3.299-07	8.897-11	3.773-09
-1.6	6.434-01	9.577-03	2.697-02	2.760-C4	2.535-06	1.272-06	5.065-07	6.444-11	4.056-09
-1.4	6.459-01	1.394-02	3.260-02	2.767-C4	3.847-06	2.327-06	7.694-07	4.701-11	4.296-09
-1.2	6.491-01	1.977-02	3.891-02	2.774-C4	5.755-06	4.147-06	1.154-06	3.460-11	4.456-09
-1.0	6.531-01	2.719-02	4.578-02	2.777-C4	8.461-06	7.165-06	1.705-06	2.574-11	4.531-09
-.8	6.580-01	3.614-02	5.298-02	2.774-C4	1.220-05	1.197-05	2.479-06	1.937-11	4.499-09
-.6	6.636-01	4.638-02	6.026-02	2.762-C4	1.721-05	1.929-05	3.541-06	1.475-11	4.360-09
-.4	6.697-01	5.744-02	6.738-02	2.737-C4	2.373-05	3.036-05	4.973-06	1.137-11	4.124-09
-.2	6.760-01	6.884-02	7.411-02	2.696-C4	3.200-05	4.527-05	6.872-06	8.859-12	3.815-09
.0	6.823-01	8.005-02	8.028-02	2.633-C4	4.217-05	6.62_-05	9.354-06	6.976-12	3.460-09
.2	6.883-01	9.066-02	8.581-02	2.548-C4	5.438-05	9.453 05	1.257-05	5.544-12	3.088-09
.4	6.939-01	1.004-01	9.064-02	2.439-C4	6.864-05	1.321-04	1.669-05	4 - 12	2.720-09
.6	6.988-01	1.090-01	9.479-02	2.306-C4	8.488-05	1.815-04	2.195-05	3.601-12	2.374-09
.8	7.032-01	1.166-01	9.830-02	2.152-C4	1.029-04	2.465-04	2.862-05	2.941-12	2.059-09
1.0	7.069-01	1.230-01	1.012-01	1.979-C4	1.224-04	3.323-04	3.707-05	2.425-12	1.781-09
1.2	7.101-01	1.284-01	1.036-01	1.792-C4	1.430-04	4.472-04	4.774-05	2.022-12	1.542-09
1.4	7.128-01	1.330-01	1.056-01	1.596-C4	1.642-04	6.053-04	6.118-05	1.707 -2	1.341-09
1.6	7.151-01	1.367-01	1.071-01	1.395-C4	1.855-04	8.314-04	7.807-05	1.465-12	1.176-09
1.8	7.170-01	1.397-01	1.082-01	1.196-C4	2.066-04	1.178-03	9.924-05	1.283-12	1.044-09
2.0	7.186-01	1.420-01	1.089-01	1.001-C4	2.271-04	1.754-03	1.257-04	1.158-12	9.504-10
2.2	7.201-01	1.436-01	1.091-01	8.129-C5	2.468-04	2.837-03	1.583-04	1.090-12	8.939-10

T= 4200

LOG C	C2-	NO-	CO-	O-	N-	N+	E-	O+	A+
-7.0	2.144-26	7.398-05	6.686-09	3.410-12	1.341-C5	.000+00	1.237 05	.000+00	8.513-09
-6.8	5.008-26	7.695-05	5.995-09	5.028-12	8.918-06	.000+00	8.923-06	.000+00	6.161-09
-6.6	1.183-25	7.799-05	5.073-09	7.493-12	5.711-06	.000+00	6.617-06	.000+00	4.417-09
-6.4	2.808-25	7.761-05	4.094-09	1.122-11	3.588-06	.000+00	4.612-06	.000+00	3.175-09
-6.2	6.649-25	7.595-05	3.189-09	1.682-11	2.215-06	.000+00	3.316-06	.000+00	2.283-09
-6.0	1.579-24	7.329-05	2.420-09	2.516-11	1.349-06	.000+00	2.385-06	.000+00	1.642-09
-5.8	3.723-24	6.986-05	1.804-09	3.740-11	8.111-07	.000+00	1.716-06	.000+00	1.182-09
-5.6	8.724-24	6.588-05	1.327-09	5.530-11	4.828-07	.000+00	1.234-06	.000+00	8.499-10
-5.4	2.032-23	6.156-05	9.672-10	8.128-11	2.847-07	.000+00	8.863-07	.000+00	6.106-10
-5.2	4.704-23	5.706-05	7.005-10	1.184-10	1.665-07	.000+00	6.358-07	.000+00	4.381-10
-5.0	1.083-22	5.252-05	5.043-10	1.726-10	9.676-08	.000+00	4.553-07	.000+00	3.139-10
-4.8	2.480-22	4.806-05	3.625-10	2.495-10	5.589-08	.000+00	3.256-07	.000+00	2.245-10
-4.6	5.656-22	4.377-05	2.595-10	3.592-10	3.213-08	.000+00	2.324-07	.000+00	1.604-10
-4.4	1.285-21	3.969-05	1.854-10	5.152-10	1.840-08	.000+00	1.657-07	.000+00	1.144-10
-4.2	2.907-21	3.587-05	1.323-10	7.363-10	1.050-08	.000+00	1.180-07	.000+00	8.155-11
-4.0	6.559-21	3.232-05	9.425-11	1.049-09	5.978-09	.000+00	8.391-08	.000+00	5.807-11
-3.8	1.475-20	2.906-05	6.709-11	1.492-09	3.397-09	.000+00	5.962-08	.000+00	4.133-11
-3.6	3.310-20	2.607-05	4.776-11	2.114-09	1.927-09	.000+00	4.232-08	.000+00	2.940-11
-3.4	7.404-20	2.335-05	3.395-11	2.995-09	1.092-09	.000+00	3.002-08	.000+00	2.091-11
-3.2	1.651-19	2.089-05	2.415-11	4.229-09	6.183-10	.000+00	2.128-08	.000+00	1.487-11
-3.0	3.670-19	1.865-05	1.718-11	5.957-09	3.500-10	.000+00	1.507-08	.000+00	1.058-11
-2.8	8.123-19	1.664-05	1.223-11	8.369-09	1.982-10	.000+00	1.067-08	.000+00	7.537-12
-2.6	1.788-18	1.483-05	8.719-12	1.172-08	1.123 10	.000+00	7.546-09	.000+00	5.373-12
-2.4	3.910-18	1.319-05	6.224-12	1.634 -8	6.372-11	.000+00	5.332-09	.000+00	3.817-12
-2.2	8.470-18	1.172-05	4.452-12	2.26_-08	3.623-11	.000+00	3.763-09	.000+00	2.747-12
-2.0	1.813-17	1.039-05	3.194-12	3.113-08	2.066-11	.000+00	2.652-09	.000+00	1.976-12
-1.8	3.816-17	9.187-06	2.311-12	4.25 -08	1.184-11	.000+00	1.865-09	.000+00	1.425-12
-1.6	7.862-17	8.100-06	1.666-12	5.725 08	6.819-12	.000+00	1.304-09	.000+00	1.035-12
-1.4	1.576-16	7.115-06	1.214-12	7.584-08	3.958-12	.000+00	9.162-10	.000+00	7.576-13
-1.2	3.054-16	6.222-06	8.912-13	9.868-08	2.319-12	.000+00	6.363-10	.000+00	5.499-13
-1.0	5.696-16	5.411-06	6.596-13	1.269-C7	1.373-12	.000+00	4.406-10	.000+00	4.184-13
-.8	1.013-15	4.678-06	4.923-13	1.542-C7	8.229-13	.000+00	3.032-10	.000+00	3.163-13
-.6	1.724-15	4.019-06	3.702-13	1.852-C7	4.991-13	.000+00	2.074-10	.000+00	2.420-13
-.4	2.802-15	3.432-06	2.801-13	2.162-C7	3.063-13	.000+00	1.610-10	.000+00	1.874-13
-.2	4.361-15	2.915-06	2.129-13	2.457-C7	1.900-13	.000+00	9.534-11	.000+00	1.466-13
.0	6.523-15	2.464-06	1.623-13	2.724-C7	1.191-13	.000+00	6.415-11	.000+00	1.159-13
.2	9.420-15	2.077-06	1.238-13	2.951-C7	7.539-14	.000+00	4.302-11	.000+00	9.233-14
.4	1.320-14	1.747-06	9.629-14	3.134 C7	4.816-14	.000+00	2.879-11	.000+00	7.431-14
.6	1.803-14	1.471-06	7.167-14	3.271-C7	3.105-14	.000+00	1.928-11	.000+00	6.022-14
.8	2.412-14	1.241-06	5.429-14	3.365-C7	2.021-14	.000+00	1.293-11	.000+00	4.924-14
1.0	3.177-14	1.052-06	4.098-14	3.422-C7	1.330-14	.000+00	8.723-12	.000+00	4.067-14
1.2	4.144-14	8.991-07	3.092-14	3.453-C7	8.871-15	.000+00	5.926-12	.000+00	3.390-14
1.4	5.392-14	7.776-07	2.312-14	3.472-C7	6.013-15	.000+00	4.027-12	.000+00	2.859-14
1.6	7.070-14	6.845-07	1.733-14	3.504-C7	4.169-15	.000+00	2.855-12	.000+00	2.445-14
1.8	9.473-14	6.186-07	1.302-14	3.582-C7	2.973-15	.000+00	2.04_-12	.000+00	2.131-14
2.0	1.325-13	5.813-07	9.855-15	3.761-C7	2.217-15	.000+00	1.5_9-12	.000+00	1.915-14
2.2	1.996-13	5.798-07	7.582-15	4.145-C7	1.764-15	.000+00	1.24_-12	.000+00	1.766-14

T= 4200

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	4.637-06	.000+00	3.130-18	6.646-01	2.313-01	5.154-03	8.942-05	1.655-05
-6.8	.000+00	2.624-06	.000+00	2.258-18	6.227-01	2.386-01	5.315-03	7.233-05	1.707-05
-6.6	.000+00	1.401-06	.000+00	1.624-18	5.741-01	2.470-01	5.503-03	5.559-05	1.768-05
-6.4	.000+00	7.135-07	.000+00	1.167-18	5.205-01	2.562-01	5.711-03	4.088-05	1.834-05
-6.2	.000+00	3.507-07	.000+00	8.393-19	4.641-01	2.660-01	5.929-03	2.901-05	1.904-05
-6.0	.000+00	1.679-07	.000+00	6.039-19	4.073-01	2.758-01	6.148-03	2.002-05	1.975-05
-5.8	.000+00	7.897-08	.000+00	4.345-19	3.523-01	2.853-01	6.361-03	1.354-05	2.043-05
-5.6	.000+00	3.666-08	.000+00	3.125-19	3.007-01	2.942-01	6.560-03	9.015-06	2.107-05
-5.4	.000+00	1.687-08	.000+00	2.245-19	2.536-01	3.023-01	6.742-03	5.933-06	2.166-05
-5.2	.000+00	7.710-09	.000+00	1.611-19	2.117-01	3.095-01	6.904-03	3.870-06	2.218-05
-5.0	.000+00	3.507-09	.000+00	1.154-19	1.752-01	3.157-01	7.046-03	2.507-06	2.263-05
-4.8	.000+00	1.590-09	.000+00	8.256-20	1.439-01	3.210-01	7.167-03	1.616-06	2.302-05
-4.6	.000+00	7.185-10	.000+00	5.897-20	1.175-01	3.254-01	7.270-03	1.037-06	2.335-05
-4.4	.000+00	3.242-10	.000+00	4.207-20	9.543-02	3.290-01	7.356-03	6.638-07	2.363-05
-4.2	.000+00	1.460-10	.000+00	2.999-20	7.717-02	3.319-01	7.428-03	4.237-07	2.386-05
-4.0	.000+00	6.574-11	.000+00	2.135-20	6.219-02	3.341-01	7.488-03	2.700-07	2.405-05
-3.8	.000+00	2.957-11	.000+00	1.520-20	4.998-02	3.358-01	7.537-03	1.718-07	2.421-05
-3.6	.000+00	1.330-11	.000+00	1.081-20	4.007-02	3.369-01	7.578-03	1.092-07	2.434-05
-3.4	.000+00	5.987-12	.000+00	7.688-21	3.207-02	3.376-01	7.612-03	6.942-08	2.445-05
-3.2	.000+00	2.696-12	.000+00	5.468-21	2.563-02	3.377-01	7.642-03	4.413-08	2.455-05
-3.0	.000+00	1.216-12	.000+00	3.891-21	2.046-02	3.373-01	7.668-03	2.806-08	2.463-05
-2.8	.000+00	5.495-13	.000+00	2.771-21	1.632-02	3.363-01	7.692-03	1.786-08	2.471-05
-2.6	.000+00	2.491-13	.000+00	1.975-21	1.301-02	3.347-01	7.715-03	1.139-08	2.478-05
-2.4	.000+00	1.134-13	.000+00	1.411-21	1.037-02	3.321-01	7.739-03	7.284-09	2.486-05
-2.2	.000+00	5.192-14	.000+00	1.010-21	8.263-03	3.285-01	7.766-03	4.675-09	2.494-05
-2.0	.000+00	2.396-14	.000+00	7.257-22	6.586-03	3.235-01	7.797-03	3.015-09	2.504-05
-1.8	.000+00	1.118-14	.000+00	5.238-22	5.251-03	3.167-01	7.835-03	1.958-09	2.517-05
-1.6	.000+00	5.289-15	.000+00	3.805-22	4.190-03	3.077-01	7.882-03	1.283-09	2.532-05
-1.4	.000+00	2.547-15	.000+00	2.785-22	3.347-03	2.960-01	7.941-03	8.502-10	2.551-05
-1.2	.000+00	1.253-15	.000+00	2.058-22	2.677-03	2.812-01	8.013-03	5.710-10	2.574-05
-1.0	.000+00	6.313-16	.000+00	1.538-22	2.145-03	2.634-01	8.099-03	3.892-10	2.601-05
-.8	.000+00	3.269-16	.000+00	1.162-22	1.720-03	2.427-01	8.197-03	2.695-10	2.633-05
-.6	.000+00	1.733-16	.000+00	8.893-23	1.381-03	2.198-01	8.306-03	1.894-10	2.668-05
-.4	.000+00	9.421-17	.000+00	6.881-23	1.110-03	1.956-01	8.420-03	1.349-10	2.705-05
-.2	.000+00	5.230-17	.000+00	5.281-23	8.913-04	1.712-01	8.535-03	9.700-11	2.742-05
.0	.000+00	2.954-17	.000+00	4.248-23	7.157-04	1.476-01	8.647-03	7.023-11	2.777-05
.2	.000+00	1.690-17	.000+00	3.382-23	5.742-04	1.254-01	8.751-03	5.100-11	2.811-05
.4	.000+00	9.761-18	.000+00	2.713-23	4.600-04	1.053-01	8.846-03	3.702-11	2.841-05
.6	.000+00	5.670-18	.000+00	2.192-23	3.680-04	8.751-02	8.929-03	2.677-11	2.868-05
.8	.000+00	3.302-18	.000+00	1.782-23	2.938-04	7.204-02	9.002-03	1.922-11	2.892-05
1.0	.000+00	1.924-18	.000+00	1.456-23	2.341-04	5.883-02	9.065-03	1.367-11	2.912-05
1.2	.000+00	1.119-18	.000+00	1.195-23	1.860-04	4.769-02	9.118-03	9.596-12	2.929-05
1.4	.000+00	6.490-19	.000+00	9.837-24	1.473-04	3.837-02	9.162-03	6.630-12	2.943-05
1.6	.000+00	3.744-19	.000+00	8.099-24	1.160-04	3.063-02	9.200-03	4.490-12	2.955-05
1.8	.000+00	2.146-19	.000+00	6.643-24	9.071-05	2.422-02	9.232-03	2.960-12	2.965-05
2.0	.000+00	1.220-19	.000+00	5.396-24	7.011-05	1.891-02	9.260-03	1.891-12	2.974-05
2.2	.000+00	6.864-20	.000+00	4.302-24	5.324-05	1.449-02	9.286-03	1.151-12	2.983-05

T= 4200

LOG C	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	1.047-04	1.81225+00	2.22794+01	2.40917+01	7.21237+01	-5.55468+00	1.81225+00
-6.8	9.744-05	1.75713+00	2.08003+01	2.25574+01	6.98225+01	-5.36809+00	1.75713+00
-6.6	9.163-05	1.69711+00	1.91902+01	2.08873+01	6.74169+01	-5.18319+00	1.69711+00
-6.4	8.662-05	1.63550+00	1.75373+01	1.91727+01	6.49967+01	-4.99925+00	1.63550+00
-6.2	8.192-05	1.57538+00	1.59247+01	1.75006+01	6.26449+01	-4.81551+00	1.57538+00
-6.0	7.726-05	1.51916+00	1.44168+01	1.59366+01	6.04248+01	-4.63129+00	1.51916+00
-5.8	7.252-05	1.46837+00	1.30546+01	1.45236+01	5.83749+01	-4.44606+00	1.46837+00
-5.6	6.767-05	1.42372+00	1.18573+01	1.32816+01	5.65119+01	-4.25947+00	1.42372+00
-5.4	6.278-05	1.38530+00	1.08273+01	1.22126+01	5.48356+01	-4.07135+00	1.38530+00
-5.2	5.789-05	1.35279+00	9.95616+00	1.13096+01	5.33340+01	-3.88167+00	1.35279+00
-5.0	5.309-05	1.32563+00	9.22699+00	1.05546+01	5.19903+01	-3.69047+00	1.32563+00
-4.8	4.846-05	1.30317+00	8.62820+00	9.93137+00	5.07844+01	-3.49790+00	1.30317+00
-4.6	4.404-05	1.28473+00	8.13571+00	9.42044+00	4.96962+01	-3.30408+00	1.28473+00
-4.4	3.988-05	1.26967+00	7.73439+00	9.00406+00	4.87068+01	-3.10921+00	1.26967+00
-4.2	3.600-05	1.25740+00	7.40876+00	8.66616+00	4.77994+01	-2.91342+00	1.25740+00
-4.0	3.242-05	1.24740+00	7.14526+00	8.39267+00	4.69592+01	-2.71689+00	1.24740+00
-3.8	2.912-05	1.23925+00	6.93225+00	8.17150+00	4.61737+01	-2.51974+00	1.23925+00
-3.6	2.612-05	1.23254+00	6.75989+00	7.99243+00	4.54323+01	-2.32209+00	1.23254+00
-3.4	2.338-05	1.22697+00	6.61988+00	7.84684+00	4.47260+01	-2.12406+00	1.22697+00
-3.2	2.091-05	1.22224+00	6.50525+00	7.72748+00	4.40474+01	-1.92574+00	1.22223+00
-3.0	1.867-05	1.21809+00	6.41005+00	7.62815+00	4.33903+01	-1.72722+00	1.21809+00
-2.8	1.665-05	1.21431+00	6.32913+00	7.54344+00	4.27494+01	-1.52857+00	1.21430+00
-2.6	1.482-05	1.21065+00	6.25780+00	7.46845+00	4.21197+01	-1.32988+00	1.21064+00
-2.4	1.318-05	1.20687+00	6.19164+00	7.39851+00	4.14968+01	-1.13124+00	1.20686+00
-2.2	1.170-05	1.20272+00	6.12619+00	7.32892+00	4.08765+01	-9.32730-01	1.20271+00
-2.0	1.036-05	1.19791+00	6.05678+00	7.25469+00	4.02543+01	-7.34470-01	1.19789+00
-1.8	9.150-06	1.19211+00	5.97845+00	7.17056+00	3.96256+01	-5.36580-01	1.19208+00
-1.6	8.049-06	1.18499+00	5.88610+00	7.07109+00	3.89859+01	-3.39180-01	1.18495+00
-1.4	7.045-06	1.17625+00	5.77509+00	6.95135+00	3.83311+01	-1.42400-01	1.17619+00
-1.2	6.128-06	1.16572+00	5.64223+00	6.80796+00	3.76590+01	5.37000-02	1.16562+00
-1.0	5.291-06	1.15342+00	5.48642+00	6.64034+00	3.69696+01	2.49090-01	1.15326+00
-.8	4.528-06	1.13963+00	5.31158+00	6.45161+00	3.62666+01	4.43870-01	1.13937+00
-.6	3.838-06	1.12488+00	5.12351+00	6.24839+00	3.55567+01	6.38210-01	1.12448+00
-.4	3.220-06	1.10986+00	4.92965+00	6.03951+00	3.48483+01	8.32370-01	1.10923+00
-.2	2.673-06	1.09526+00	4.73886+00	5.83412+00	3.41498+01	1.02662+00	1.09428+00
.0	2.195-06	1.08172+00	4.55837+00	5.64008+00	3.34681+01	1.22122+00	1.08019+00
.2	1.785-06	1.06972+00	4.39328+00	5.46310+00	3.28077+01	1.41637+00	1.06732+00
.4	1.438-06	1.05966+00	4.24645+00	5.30611+00	3.21707+01	1.61227+00	1.05590+00
.6	1.146-06	1.05188+00	4.11881+00	5.17064+00	3.15569+01	1.80907+00	1.04598+00
.8	9.065-07	1.04677+00	4.00987+00	5.05664+00	3.09649+01	2.00696+00	1.03750+00
1.0	7.113-07	1.04444+00	3.91826+00	4.96320+00	3.03918+01	2.20619+00	1.03034+00
1.2	5.554-07	1.04435+00	3.84216+00	4.88951+00	2.98341+01	2.40719+00	1.02436+00
1.4	4.317-07	1.04561+00	3.77963+00	4.83525+00	2.92876+01	2.61061+00	1.01937+00
1.6	3.351-07	1.04788+00	3.72884+00	4.80122+00	2.87472+01	2.81745+00	1.01522+00
1.8	2.614-07	1.05142+00	3.68822+00	4.79014+00	2.82066+01	3.02925+00	1.01171+00
2.0	2.061-07	1.05600+00	3.65661+00	4.80761+00	2.76571+01	3.24818+00	1.00867+00
2.2	1.662-07	1.06184+00	3.63344+00	4.86363+00	2.70871+01	3.47707+00	1.00585+00

Best Available Copy

T= 4300

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.[illegible]-02	2.314-08	1.[illegible]-05	5.439-05	1.669-12	2.479-15	2.032-13	1.678-07	2.102-10
-6.8	8.773-02	3.761-08	2.[illegible]-05	7.571-05	3.639-12	5.952-15	4.556-13	1.693-07	2.434-10
-6.6	1.200-01	6.136-08	3.124-05	9.595-05	7.614-12	1.408-14	9.863-13	1.629-07	2.797-10
-6.4	1.582-01	1.005-07	4.541-05	1.251-04	1.510-11	3.280-14	2.060-12	1.459-07	3.198-10
-6.2	2.010-01	1.652-07	6.636-05	1.492-04	2.856-11	7.512-14	4.156-12	1.323-07	3.650-10
-6.0	2.466-01	2.718-07	9.431-05	1.703-04	5.180-11	1.692-13	8.075-12	1.127-07	4.165-10
-5.8	2.937-01	4.468-07	1.317-04	1.845-04	9.103-11	3.749-13	1.522-11	9.306-08	4.752-10
-5.6	3.396-01	7.331-07	1.817-04	2.051-04	1.561-10	8.184-13	2.790-11	7.685-08	5.422-10
-5.4	3.832-01	1.194-06	2.468-04	2.180-04	2.629-10	1.762-12	4.984-11	5.987-08	6.193-10
-5.2	4.233-01	1.958-06	3.312-04	2.284-04	4.367-10	3.746-12	8.731-11	4.944-08	7.063-10
-5.0	4.593-01	3.177-06	4.337-04	2.371-04	7.179-10	7.879-12	1.501-10	3.453-08	8.010-10
-4.8	4.903-01	5.137-06	5.582-04	2.461-04	1.171-09	1.661-11	2.541-10	2.590-08	9.095-10
-4.6	5.161-01	8.283-06	7.043-04	2.497-04	1.898-09	3.392-11	4.249-10	1.921-08	1.031-09
-4.4	5.412-01	1.331- 5	8.774-04	2.543-04	3.061-09	6.981-11	7.039-10	1.413-08	1.166-09
-4.2	5.[illegible]-01	2.133-05	1.[illegible]-03	2.581-04	4.919-09	1.420-10	1.153-09	1.032-08	1.317-09
-4.0	5.[illegible]-01	3.408-05	1.[illegible]-03	2.611-04	7.878-09	2.882-10	1.879-09	7.489-09	1.484-09
-3.8	5.[illegible]-01	5.433-05	2.[illegible]-03	2.635-04	1.259-08	5.825-10	3.039-09	5.410-09	1.673-09
-3.6	6.[illegible]-01	8.641-05	2.[illegible]-03	2.655-04	2.006-08	1.173-09	4.896-09	3.945-09	1.881-09
-3.4	6.[illegible]-01	1.371-04	3.[illegible]-03	2.672-04	3.192-08	2.353-09	7.854-09	2.795-09	2.112-09
-3.2	6.162-01	2.171-04	4.211-03	2.685-04	5.049-08	4.704-09	1.255-08	2.002-09	2.367-09
-3.0	6.218-01	3.428-04	5.316-03	2.697-04	8.035-08	9.374-09	2.000-08	1.432-09	2.649-09
-2.8	6.263-01	5.397-04	6.696-03	2.706-04	1.272-07	1.861-08	3.175-08	1.023-09	2.959-09
-2.6	6.298-01	8.448-04	8.478-03	2.715-04	2.008-07	3.680-08	5.027-08	7.308-10	3.296-09
-2.4	6.328-01	1.322-03	1.053-02	2.723-04	3.163-07	7.239-08	7.931-08	5.221-10	3.661-09
-2.2	6.354-01	2.052-03	1.315-02	2.731-04	4.967-07	1.415-07	1.247-07	3.736-10	4.056-09
-2.0	6.372-01	3.161-03	1.634-02	2.739-04	7.767-07	2.742-07	1.950-07	2.676-10	4.455-09
-1.8	6.391-01	4.817-03	2.020-02	2.747-04	1.208-06	5.258-07	3.033-07	1.92[illegible]-10	4.866-09
-1.6	6.410-01	7.234-03	2.480-02	2.755-04	1.845-06	9.937-07	4.682-07	1.389-10	5.264-09
-1.4	6.432-01	1.063-02	3.019-02	2.763-04	2.852-06	1.844-06	7.163-07	1.009-10	5.674-09
-1.2	6.453-01	1.542-02	3.633-02	2.771-04	4.307-06	3.343-06	1.083-06	[illegible]-11	5.915-09
-1.0	6.499-01	2.164-02	4.316-02	2.778-04	6.408-06	5.894-06	1.616-06	5.458-11	6.104-09
-.8	6.536-01	2.942-02	5.044-02	2.780-04	9.363-06	1.007-05	2.375-06	4.077-11	6.162-09
-.6	6.588-01	3.845-02	5.809-02	2.776-04	1.341-05	1.662-05	3.431-06	3.045-11	6.076-09
-.4	6.642-01	4.870-02	6.568-02	2.761-04	1.878-05	2.647-05	4.873-06	2.362-11	5.848-09
-.2	6.703-01	6.002-02	7.302-02	2.732-04	2.572-05	4.077-05	6.805-06	1.830-11	5.501-09
.0	6.765-01	7.113-02	7.984-02	2.685-04	3.444-05	6.085-05	9.353-06	1.435-11	5.067-09
.2	6.825-01	8.203-02	8.614-02	2.617-04	4.511-05	8.833-05	1.267-05	1.137-11	4.584-09
.4	6.883-01	9.219-02	9.163-02	2.526-04	5.782-05	1.253-04	1.695-05	9.035-12	4.047-09
.6	6.935-01	1.014-01	9.652-02	2.410-04	7.258-05	1.743-04	2.244-05	7.368-12	3.604-09
.8	6.981-01	1.096-01	1.008-01	2.272-04	8.931-05	2.391-04	2.941-05	6.096-12	3.154-09
1.0	7.022-01	1.166-01	1.041-01	2.111-04	1.078-04	3.250-04	3.8[illegible]-05	[illegible]-12	2.750-09
1.2	7.057-01	1.226-01	1.070-01	1.933-04	1.277-04	4.405-04	4.[illegible]-05	4.1[illegible]-12	2.397-09
1.4	7.086-01	1.277-01	1.093-01	1.741-04	1.487-04	5.995-04	6.354-05	3.483-12	2.097-09
1.6	7.112-01	1.318-01	1.111-01	1.540-04	1.703-04	8.277-04	8.133-05	2.992-12	1.849-09
1.8	7.133-01	1.352-01	1.125-01	1.335-04	1.921-04	1.176-03	1.035-04	2.626-12	1.653-09
2.0	7.152-01	1.379-01	1.135-01	1.129-04	2.137-04	1.757-03	1.313-04	2.375-12	1.511-09
2.2	7.169-01	1.399-01	1.139-01	9.274-05	2.350-04	2.847-03	1.656-04	2.243-12	1.429-09

T= 4300

LOG C	O2-	NO+	O2+	O-	N+	N++	O+	O++	A+
-7.0	2.697-26	7.372-05	7.918-09	3.85[illegible]-12	2.681-05	.000+00	2.237-05	.000+00	1.772-08
-6.8	6.133-26	7.47[illegible]-05	7.[illegible]-09	5.532-12	1.965-05	.000+00	1.635-05	.000+00	1.295-08
-6.6	1.421-25	8.341-05	7.31[illegible]-09	8.087-12	1.304-05	.000+00	1.185-05	.000+00	9.393-09
-6.4	3.336-25	8.534-05	6.3[illegible]-09	1.19[illegible]-11	8.442-06	.000+00	8.552-06	.000+00	6.779-09
-6.2	7.892-25	8.629-05	5.296-09	1.789-11	5.347-06	.000+00	6.159-06	.000+00	4.883-09
-6.0	1.872-24	8.506-05	4.226-09	2.677-11	3.326-06	.000+00	4.435-06	.000+00	3.516-09
-5.8	4.434-24	8.256-05	3.2[illegible]-09	4.002-11	2.037-06	.000+00	3.193-06	.000+00	2.532-09
-5.6	1.044-23	7.909-05	2.447-09	5.958-11	1.232-06	.000+00	2.299-06	.000+00	1.824-09
-5.4	2.457-23	7.490-05	1.805-09	8.825-11	7.361-07	.000+00	1.655-06	.000+00	1.313-09
-5.2	5.728-23	7.023-05	1.322-09	1.299-10	4.356-07	.000+00	1.189-06	.000+00	9.438-10
-5.0	1.328-22	6.529-05	9.668-10	1.902-10	2.556-07	.000+00	8.538-07	.000+00	6.777-10
-4.8	3.063-22	6.025-05	6.941-10	2.768-10	1.489-07	.000+00	6.119-07	.000+00	4.859-10
-4.6	7.025-22	5.525-05	4.993-10	4.008-10	8.619-08	.000+00	4.379-07	.000+00	3.479-10
-4.4	1.604-21	5.040-05	3.590-10	5.777-10	4.964-08	.000+00	3.128-07	.000+00	2.487-10
-4.2	3.645-21	4.577-05	2.590-10	8.293-10	2.847-08	.000+00	2.23[illegible]-07	.000+00	1.775-10
-4.0	8.256-21	4.141-05	1.828-10	1.186-09	1.627-08	.000+00	1.58[illegible]-07	.000+00	1.266-10
-3.8	1.863-20	3.735-05	1.303-10	1.692-09	9.272-09	.000+00	1.131 [illegible]-07	.000+00	9.019-11
-3.6	4.192-20	3.360-05	9.284-11	2.406-09	5.272-09	.000+00	8.036-08	.000+00	6.422-11
-3.4	9.403-20	3.016-05	6.609-11	3.413-09	2.993-09	.000+00	5.706-08	.000+00	4.570-11
-3.2	2.103-19	2.703-05	4.704-11	4.830-09	1.697-09	.000+00	4.048-08	.000+00	3.252-11
-3.0	4.686-19	2.418-05	3.348-11	6.814-09	9.619-10	.000+00	2.869-08	.000+00	2.315-11
-2.8	1.040-18	2.160-05	2.383-11	9.599-09	5.450-10	.000+00	2.033-08	.000+00	1.648-11
-2.6	2.298-18	1.927-05	1.698-11	1.347-08	3.089-10	.000+00	1.439-08	.000+00	1.174-11
-2.4	5.047-18	1.716-05	1.211-11	1.884-08	1.752-10	.000+00	1.017-08	.000+00	8.381-12
-2.2	1.100-17	1.527-05	8.656-12	2.622-08	9.951-11	.000+00	7.197-09	.000+00	5.993-12
-2.0	2.372-17	1.356-05	6.201-12	3.627-08	5.666-11	.000+00	5.071-09	.000+00	4.297-12
-1.8	5.047-17	1.201-05	4.457-12	4.976-08	3.238-11	.000+00	3.571-09	.000+00	3.094-12
-1.6	1.055-16	1.062-05	3.218-12	6.754-08	1.859-11	.000+00	2.510-09	.000+00	2.239-12
-1.4	2.152-16	9.351-06	2.336-12	9.041-08	1.074-11	.000+00	1.753-09	.000+00	1.631-12
-1.2	4.263-16	8.205-06	1.708-12	1.189-07	6.259-12	.000+00	1.229-09	.000+00	1.199-12
-1.0	8.147-16	7.164-06	1.254-12	1.531-07	3.683-12	.000+00	8.541-10	.000+00	8.898-13
-.8	1.494-15	6.225-06	9.353-13	1.923-07	2.191-12	.000+00	5.908-10	.000+00	6.691-13
-.6	2.618-15	5.376-06	7.010-13	2.350-07	1.320-12	.000+00	4.063-10	.000+00	5.078-13
-.4	4.382-15	4.616-06	5.294-13	2.793-07	8.049-13	.000+00	2.778-10	.000+00	3.907-13
-.2	7.008-15	3.942-06	4.023-13	3.227-07	4.967-13	.000+00	1.889-10	.000+00	3.042-13
.0	1.074-14	3.351-06	3.071-13	3.630-07	3.100-13	.000+00	1.278-10	.000+00	2.394-13
.2	1.585-14	2.838-06	2.350-13	3.985-07	1.956-13	.000+00	8.614-11	.000+00	1.903-13
.4	2.261-14	2.369-06	1.800-13	4.279-07	1.246-13	.000+00	5.794-11	.000+00	1.527-13
.6	3.135-14	2.028-06	1.378-13	4.507-07	8.021-14	.000+00	3.896-11	.000+00	1.237-13
.8	4.246-14	1.718-06	1.053-13	4.671-07	5.217-14	.000+00	2.625-11	.000+00	1.011-13
1.0	5.648-14	1.461-06	8.024-14	4.778-07	3.432-14	.000+00	1.776-11	.000+00	8.344-14
1.2	7.425-14	1.253-06	6.101-14	4.843-07	2.288-14	.000+00	1.211-11	.000+00	6.956-14
1.4	9.720-14	1.087-06	4.639-14	4.888-07	1.551-14	.000+00	8.351-12	.000+00	5.874-14
1.6	1.290-13	9.587-07	3.513-14	4.945-07	1.074-14	.000+00	5.861-12	.000+00	5.032-14
1.8	1.721-13	8.680-07	2.673-14	5.063-07	7.669-15	.000+00	4.222-12	.000+00	4.393-14
2.0	2.412-13	8.169-07	2.051-14	5.320-07	5.715-15	.000+00	3.163-12	.000+00	3.937-14
2.2	3.636-13	8.153-07	1.600-14	5.861-07	4.542-15	.000+00	2.515-12	.000+00	3.663-14

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LOG C	O++	C+	C++	NE+	N	C	A	C	NE
-7.0	.000+00	9.356-06	.000+00	9.453-18	7.068-01	2.237-01	4.902-07	1.123-04	1.600-05
-6.8	.000+00	5.868-06	.000+00	6.909-18	6.776-01	2.291-01	5.103-03	9.873-05	1.639-05
-6.6	.000+00	3.443-06	.000+00	5.010-18	6.385-01	2.358-01	5.255-03	8.725-05	1.688-05
-6.4	.000+00	1.838-06	.000+00	3.616-18	5.921-01	2.439-01	5.434-03	6.497-05	1.745-05
-6.2	.000+00	9.921-07	.000+00	2.605-18	5.400-01	2.528-01	5.635-03	4.889-05	1.810-05
-6.0	.000+00	4.973-07	.000+00	1.875-18	4.843-01	2.625-01	5.850-03	3.533-05	1.879-05
-5.8	.000+00	2.415-07	.000+00	1.351-18	4.274-01	2.723-01	6.070-03	2.473-05	1.950-05
-5.6	.000+00	1.147-07	.000+00	9.726-19	3.716-01	2.819-01	6.284-03	1.689-05	2.019-05
-5.4	.000+00	5.363-08	.000+00	7.001-19	3.186-01	2.911-01	6.491-03	1.133-05	2.085-05
-5.2	.000+00	2.479-08	.000+00	5.034-19	2.698-01	2.994-01	6.680-03	7.494-06	2.146-05
-5.0	.000+00	1.137-08	.000+00	3.615-19	2.260-01	3.069-01	6.849-03	4.908-06	2.200-05
-4.8	.000+00	5.185-09	.000+00	2.592-19	1.876-01	3.135-01	6.998-03	3.189-06	2.248-05
-4.6	.000+00	2.355-09	.000+00	1.855-19	1.545-01	3.191-01	7.127-03	2.060-06	2.289-05
-4.4	.000+00	1.066-09	.000+00	1.326-19	1.264-01	3.238-01	7.236-03	1.325-06	2.324-05
-4.2	.000+00	4.815-10	.000+00	9.469-20	1.028-01	3.276-01	7.328-03	8.428-07	2.354-05
-4.0	.000+00	2.171-10	.000+00	6.752-20	8.328-02	3.307-01	7.405-03	5.424-07	2.379-05
-3.8	.000+00	9.781-11	.000+00	4.811-20	6.719-02	3.331-01	7.469-03	3.459-07	2.399-05
-3.6	.000+00	4.404-11	.000+00	3.425-20	5.405-02	3.348-01	7.522-03	2.203-07	2.416-05
-3.4	.000+00	1.983-11	.000+00	2.434-20	4.337-02	3.360-01	7.567-03	1.402-07	2.430-05
-3.2	.000+00	8.931-12	.000+00	1.735-20	3.473-02	3.367-01	7.604-03	8.917-08	2.442-05
-3.0	.000+00	4.026-12	.000+00	1.239-20	2.777-02	3.367-01	7.636-03	5.673-08	2.453-05
-2.8	.000+00	1.818-12	.000+00	8.790-21	2.218-02	3.363-01	7.665-03	3.611-08	2.462-05
-2.6	.000+00	8.229-13	.000+00	6.264-21	1.770-02	3.351-01	7.691-03	2.301-08	2.470-05
-2.4	.000+00	3.738-13	.000+00	4.470-21	1.411-02	3.332-01	7.717-03	1.470-08	2.479-05
-2.2	.000+00	1.706-13	.000+00	3.196-21	1.125-02	3.303-01	7.743-03	9.412-09	2.487-05
-2.0	.000+00	7.836-14	.000+00	2.292-21	8.969-03	3.262-01	7.773-03	6.053-09	2.497-05
-1.8	.000+00	3.632-14	.000+00	1.650-21	7.151-03	3.206-01	7.808-03	3.915-09	2.508-05
-1.6	.000+00	1.704-14	.000+00	1.194-21	5.704-03	3.131-01	7.850-03	2.551-09	2.521-05
-1.4	.000+00	8.113-15	.000+00	8.699-22	4.553-03	3.031-01	7.902-03	1.678-09	2.538-05
-1.2	.000+00	3.939-15	.000+00	6.392-22	3.639-03	2.904-01	7.966-03	1.118-09	2.559-05
-1.0	.000+00	1.955-15	.000+00	4.744-22	2.912-03	2.746-01	8.043-03	7.547-10	2.583-05
-.8	.000+00	9.952-16	.000+00	3.562-22	2.334-03	2.557-01	8.134-03	5.174-10	2.612-05
-.6	.000+00	5.201-16	.000+00	2.767-22	1.872-03	2.343-01	8.238-03	3.603-10	2.645-05
-.4	.000+00	2.789-16	.000+00	2.082-22	1.503-03	2.109-01	8.347-03	2.545-10	2.681-05
-.2	.000+00	1.531-16	.000+00	1.619-22	1.208-03	1.866-01	8.462-03	1.819-10	2.718-05
.0	.000+00	8.577-17	.000+00	1.273-22	9.698-04	1.625-01	8.576-03	1.312-10	2.754-05
.2	.000+00	4.884-17	.000+00	1.011-22	7.783-04	1.394-01	8.685-03	9.519-11	2.790-05
.4	.000+00	2.816-17	.000+00	8.091-23	6.240-04	1.180-01	8.786-03	6.918-11	2.822-05
.6	.000+00	1.637-17	.000+00	6.527-23	4.995-04	9.868-02	8.877-03	5.019-11	2.851-05
.8	.000+00	9.573-18	.000+00	5.302-23	3.991-04	8.170-02	8.957-03	3.623-11	2.877-05
1.0	.000+00	5.611-18	.000+00	4.333-23	3.182-04	6.703-02	9.026-03	2.593-11	2.899-05
1.2	.000+00	3.290-18	.000+00	3.553-23	2.538-04	5.454-02	9.085-03	1.835-11	2.918-05
1.4	.000+00	1.925-18	.000+00	2.932-23	2.004-04	4.403-02	9.136-03	1.279-11	2.934-05
1.6	.000+00	1.122-18	.000+00	2.417-23	1.580-04	3.526-02	9.178-03	8.746-12	2.948-05
1.8	.000+00	6.500-19	.000+00	1.987-23	1.235-04	2.793-02	9.214-03	5.830-12	2.960-05
2.0	.000+00	3.739-19	.000+00	1.618-23	9.553-05	2.184-02	9.246-03	3.756-12	2.970-05
2.2	.000+00	2.131-19	.000+00	1.295-23	7.257-05	1.677-02	9.275-03	2.309-12	2.979-05

T= 4300

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	1.344-04	1.87456+00	2.34716+01	2.53461+01	7.38552+01	-5.52978+00	1.87456+00
-6.8	1.218-04	1.83018+00	2.23085+01	2.41387+01	7.18388+01	-5.34018+00	1.83018+00
-6.6	1.123-04	1.77750+00	2.09281+01	2.27056+01	6.96274+01	-5.15287+00	1.77750+00
-6.4	1.050-04	1.71886+00	1.93916+01	2.11105+01	6.72857+01	-4.96744+00	1.71886+00
-6.2	9.893-05	1.65743+00	1.77823+01	1.94397+01	6.48990+01	-4.78324+00	1.65743+00
-6.0	9.344-05	1.59645+00	1.61650+01	1.77815+01	6.25526+01	-4.59952+00	1.59645+00
-5.8	8.813-05	1.53852+00	1.46702+01	1.62088+01	6.03160+01	-4.41555+00	1.53862+00
-5.6	8.281-05	1.48574+00	1.32860+01	1.47718+01	5.82357+01	-4.23073+00	1.48576+00
-5.4	7.741-05	1.43887+00	1.20583+01	1.34972+01	5.63348+01	-4.04465+00	1.43887+00
-5.2	7.193-05	1.39824+00	1.09946+01	1.23528+01	5.46181+01	-3.85710+00	1.39824+00
-5.0	6.645-05	1.36366+00	1.00899+01	1.14536+01	5.30777+01	-3.66797+00	1.36366+00
-4.8	6.105-05	1.33465+00	9.33141+00	1.06661+01	5.16982+01	-3.47731+00	1.33465+00
-4.6	5.580-05	1.31058+00	8.70256+00	1.00131+01	5.04604+01	-3.28521+00	1.31058+00
-4.4	5.078-05	1.29075+00	8.18567+00	9.47642+00	4.93447+01	-3.09183+00	1.29075+00
-4.2	4.603-05	1.27452+00	7.76355+00	9.03807+00	4.83320+01	-2.89733+00	1.27452+00
-4.0	4.159-05	1.26127+00	7.42043+00	8.68170+00	4.74051+01	-2.70187+00	1.26127+00
-3.8	3.748-05	1.25047+00	7.14236+00	8.39282+00	4.65488+01	-2.50561+00	1.25047+00
-3.6	3.369-05	1.24163+00	6.91728+00	8.15890+00	4.57500+01	-2.30869+00	1.24163+00
-3.4	3.023-05	1.23435+00	6.73492+00	7.96927+00	4.49976+01	-2.11124+00	1.23435+00
-3.2	2.707-05	1.22828+00	6.58659+00	7.81488+00	4.42822+01	-1.91338+00	1.22828+00
-3.0	2.421-05	1.22312+00	6.46697+00	7.68809+00	4.35962+01	-1.71521+00	1.22312+00
-2.8	2.161-05	1.21858+00	6.36376+00	7.58235+00	4.29328+01	-1.51682+00	1.21858+00
-2.6	1.927-05	1.21442+00	6.27750+00	7.49192+00	4.22863+01	-1.31831+00	1.21441+00
-2.4	1.716-05	1.21038+00	6.20123+00	7.41160+00	4.16517+01	-1.11976+00	1.21037+00
-2.2	1.525-05	1.20619+00	6.13023+00	7.33642+00	4.10243+01	-9.21260-01	1.20618+00
-2.0	1.353-05	1.20159+00	6.05979+00	7.26138+00	4.03994+01	-7.22920-01	1.20157+00
-1.8	1.197-05	1.19625+00	5.98504+00	7.18130+00	3.97725+01	-5.24850-01	1.19623+00
-1.6	1.056-05	1.18986+00	5.90092+00	7.09078+00	3.91389+01	-3.27180-01	1.18982+00
-1.4	9.268-06	1.18209+00	5.80245+00	6.98452+00	3.84942+01	-1.30030-01	1.18201+00
-1.2	8.094-06	1.17264+00	5.68541+00	6.85805+00	3.78349+01	6.64900-02	1.17254+00
-1.0	7.020-06	1.16144+00	5.54737+00	6.70881+00	3.71594+01	2.62320-01	1.16128+00
-.8	6.039-06	1.14859+00	5.38674+00	6.53733+00	3.64688+01	4.57490-01	1.14833+00
-.6	5.148-06	1.13445+00	5.21328+00	6.34773+00	3.57576+01	6.52110-01	1.13404+00
-.4	4.343-06	1.11962+00	5.02758+00	6.14719+00	3.50629+01	8.46390-01	1.11878+00
-.2	3.625-06	1.10479+00	4.83947+00	5.94447+00	3.43628+01	1.04060+00	1.10381+00
.0	2.993-06	1.09068+00	4.65739+00	5.74807+00	3.36751+01	1.23502+00	1.08913+00
.2	2.444-06	1.07787+00	4.48701+00	5.56488+00	3.30054+01	1.42989+00	1.07546+00
.4	1.975-06	1.06588+00	4.33270+00	5.39958+00	3.23574+01	1.62544+00	1.06310+00
.6	1.581-06	1.05413+00	4.19455+00	5.25469+00	3.17320+01	1.82186+00	1.05220+00
.8	1.254-06	1.05210+00	4.07894+00	5.13104+00	3.11286+01	2.01938+00	1.04278+00
1.0	9.864-07	1.04940+00	3.97907+00	5.02848+00	3.05650+01	2.21826+00	1.03477+00
1.2	7.709-07	1.05105+00	3.83545+00	4.94865+00	2.99780+01	2.41895+00	1.02801+00
1.4	5.998-07	1.05865+00	3.82628+00	4.88493+00	2.94233+01	2.62207+00	1.0.236+00
1.6	4.661-07	1.07484+00	3.76975+00	4.84459+00	2.88759+01	2.82866+00	1.01763+00
1.8	3.634-07	1.10347+00	3.72625+00	4.82812+00	2.83294+01	3.04024+00	1.01364+00
2.0	2.864-07	1.15249+00	3.68855+00	4.84104+00	2.77750+01	3.25996+00	1.01018+00
2.2	2.306-07	1.23123+00	3.66196+00	4.89319+00	2.72010+01	3.48766+00	1.00701+00

T= 4400

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.799-02	1.672-08	9.693-06	3.079-05	6.856-13	1.459-15	1.134-13	2.044-07	2.424-10
-6.8	5.579-02	2.695-08	1.491-05	4.536-05	1.622-12	3.557-15	2.639-13	2.196-07	2.850-10
-6.6	7.962-02	4.367-08	2.264-05	6.554-05	3.656-12	8.573-15	5.966-13	2.255-07	3.314-10
-6.4	1.099-01	7.114-08	3.401-05	8.880-05	7.837-12	2.038-14	1.305-12	2.208-07	3.852-10
-6.2	1.465-01	1.164-07	5.022-05	1.140-04	1.601-11	4.768-14	2.754-12	2.066-07	4.423-10
-6.0	1.881-01	1.912-07	7.294-05	1.390-04	3.093-11	1.097-13	5.610-12	1.848-07	5.062-10
-5.8	2.333-01	3.145-07	1.042-04	1.621-04	5.716-11	2.483-13	1.102-11	1.593-07	5.746-10
-5.6	2.800-01	5.171-07	1.464-04	1.829-04	1.019-10	5.529-13	2.097-11	1.328-07	6.411-10
-5.4	3.264-01	8.490-07	2.025-04	1.993-04	1.765-10	1.212-12	3.873-11	1.077-07	7.550-10
-5.2	3.708-01	1.390-06	2.761-04	2.134-04	2.995-10	2.619-12	6.971-11	8.527-08	8.616-10
-5.0	4.120-01	2.269-06	3.718-04	2.249-04	5.061-10	5.587-12	1.227-10	6.819-08	9.[illegible]2-10
-4.8	4.493-01	3.687-06	4.950-04	2.343-04	8.252-10	1.179-11	2.120-10	5.053-08	1.118-09
-4.6	4.821-01	5.972-06	6.524-04	2.419-04	1.350-09	2.441-11	3.684-10	3.805-08	1.270-09
-4.4	5.106-01	9.634-06	8.531-04	2.480-04	2.192-09	5.096-11	6.046-10	2.832-08	1.440-09
-4.2	5.349-01	1.550-05	1.107-03	2.530-04	3.541-09	1.068-10	1.003-09	2.088-08	1.630-09
-4.0	5.553-01	2.484-05	1.428-03	2.570-04	5.695-09	2.240[illegible]	1.649-09	1.528-08	1.842-09
-3.8	5.722-01	3.971-05	1.833-03	2.603-04	9.130-09	4.367-10	2.689-09	1.1[illegible]-08	2.078-09
-3.6	5.862-01	6.331-05	2.343-03	2.629-04	1.459-08	8.791-10	4.359-09	8.038-09	2.340-09
-3.4	5.975-01	1.007-04	2.983-03	2.650-04	2.327-08	1.770-09	7.029-09	5.743-09	2.631-09
-3.2	6.068-01	1.597-04	3.786-03	2.668-04	3.703-08	3.552-09	1.128-08	4.162-09	2.954-09
-3.0	6.142-01	2.527-04	4.792-03	2.683-04	5.890-08	7.099-09	1.804-08	2.984-09	3.310-09
-2.8	6.202-01	3.984-04	6.044-03	2.695-04	9.319-08	1.414-08	2.874-08	2.136-09	3.702-09
-2.6	6.250-01	6.271-04	7.614-03	2.706-04	1.474-07	2.804-08	4.562-08	1.528-09	4.137-09
-2.4	6.288-01	9.821-04	9.557-03	2.715-04	2.326-07	5.535-08	7.218-08	1.092-09	4.598-09
-2.2	6.319-01	1.530-03	1.196-02	2.724-04	3.661-07	1.086-07	1.139-07	7.812-10	5.099-09
-2.0	6.344-01	2.368-03	1.491-02	2.732-04	5.740-07	2.117-07	1.786-07	5.595-10	5.629-09
-1.8	6.366-01	3.633-03	1.850-02	2.741-04	8.958-07	4.087-07	2.788-07	4.016-10	6.177-09
-1.6	6.386-01	5.507-03	2.281-02	2.749-04	1.390-06	7.793-07	4.324-07	2.893-10	6.724-09
-1.4	6.408-01	8.222-03	2.791-02	2.758-04	2.138-06	1.463-06	6.654-07	2.094-10	7.242-09
-1.2	6.432-01	1.203-02	3.383-02	2.767-04	3.255-06	2.691-06	1.014-06	1.526-10	7.676-09
-1.0	6.461-01	1.718-02	4.053-02	2.776-04	4.891-06	4.828-06	1.525-06	1.122-10	8.042-09
-.8	6.498-01	2.384-02	4.786-02	2.781-04	7.230-06	8.415-06	2.263-06	8.331-11	8.238-09
-.6	6.542-01	3.200-02	5.565-02	2.783-04	1.049-05	1.419-05	3.303-06	6.260-11	8.254-09
-.4	6.593[illegible]	4.149-02	6.361-02	2.776-04	1.491-05	2.312-05	4.741-06	4.762-11	8.077-09
-.2	6.650-01	5.193-02	7.147-02	2.758-04	2.072-05	3.638-05	6.699-06	3.669-11	7.722-09
.0	6.710-01	6.285-02	7.897-02	2.724-04	2.816-05	5.538-05	9.285-06	2.961-11	7.223-09
.2	6.770-01	7.375-02	8.592-02	2.671-04	3.743-05	8.184-05	1.269-05	2.258-11	6.627-09
.4	6.828-01	8.419-02	9.219-02	2.596-04	4.849-05	1.173-04	1.711-05	1.901-11	5.984-09
.6	6.882-01	9.384-02	9.772-02	2.497-04	6.200-05	1.662-04	2.279-05	1.652-11	5.335-09
.8	6.932-01	1.025-01	1.025-01	2.374-04	7.736-05	2.305-04	3.015-05	1.494-11	4.715-09
1.0	6.975-01	1.102-01	1.065-01	2.228-04	9.467-05	3.162-04	3.928-05	9.752-12	4.145-09
1.2	7.013-01	1.168-01	1.099-01	2.061-04	1.137-04	4.318-04	5.097-05	8.132-12	3.639-09
1.4	7.045-01	1.223-01	1.127-01	1.874-04	1.342-04	5.914-04	6.571-05	6.875-12	3.204-09
1.6	7.073-01	1.270-01	1.149-01	1.678-04	1.557-04	8.205-04	8.427-05	5.912-12	2.841-09
1.8	7.099-01	1.309-01	1.166-01	1.470-04	1.779-04	1.171-03	1.076-04	5.198-12	2.554-09
2.0	7.117-01	1.338-01	1.178-01	1.257-04	2.004-04	1.754-03	1.366-04	4.711-12	2.348-09
2.2	7.136-01	1.360-01	1.184-01	1.044-04	2.229-04	2.849-03	1.726-04	4.464-12	2.233-09

T= 4400

LOG D	O2-	NO-	CO-	O-	N-	N2+	O+	O++	A+
-7.0	3.522-26	6.925-05	8.045-09	4.546-12	5.557-05	.000+00	3.823-05	.000+00	3.455-08
-6.8	7.756-26	7.797-05	8.788-09	6.315-12	3.948-05	.000+00	2.846-05	.000+00	2.581-08
-6.6	1.747-25	8.532-05	9.620-09	8.974-12	2.722-05	.000+00	2.094-05	.000+00	1.899-08
-6.4	4.012-25	9.075-05	8.666-09	1.301-11	1.830-05	.000+00	1.527-05	.000+00	1.385-08
-6.2	9.361-25	9.401-05	7.803-09	1.915-11	1.196-05	.000+00	1.106-05	.000+00	1.003-08
-6.0	2.205-24	9.516-05	6.632-09	2.968-11	7.641-06	.000+00	7.989-06	.000+00	7.247-09
-5.8	5.219-24	9.445-05	5.375-09	4.253-11	4.786-06	.000+00	5.[illegible]6	.000+00	5.228-09
-5.6	1.235-23	9.219-05	4.200-09	6.352-11	2.948-06	.000+00	4.[illegible]06	.000+00	3.770-09
-5.4	2.916-23	8.872-05	3.195-09	9.462-11	1.790-06	.000+00	2.9[illegible]06	.000+00	2.718-09
-5.2	6.849-23	8.434-05	2.384-09	1.403-10	1.074-06	.000+00	2.157-06	.000+00	1.958-09
-5.0	1.600-22	7.933-05	1.755-09	2.068-10	6.377-07	.000+00	1.552-06	.000+00	1.409-09
-4.8	3.715-22	7.395-05	1.280-09	3.030-10	3.752-07	.000+00	1.115-06	.000+00	1.013-09
-4.6	8.576-22	6.840-05	9.272-10	4.436-10	2.190-07	.000+00	7.995-07	.000+00	7.266-10
-4.4	1.969-21	6.284-05	6.682-10	6.402-10	1.270-07	.000+00	5.724-07	.000+00	5.206-10
-4.2	4.499-21	5.741-05	4.799-10	9.236-10	7.329-08	.000+00	4.091-07	.000+00	3.726-10
-4.0	1.023-20	5.220-05	3.435-10	1.327-09	4.209-08	.000+00	2.920-07	.000+00	2.660-10
-3.8	2.319-20	4.727-05	2.455-10	1.899-09	2.408-08	.000+00	2.080-07	.000+00	1.898-10
-3.6	5.234-20	4.267-05	1.751-10	2.710-09	1.374-08	.000+00	1.481-07	.000+00	1.353-10
-3.4	1.178-19	3.841-05	1.248-10	3.854-09	7.818-09	.000+00	1.053-07	.000+00	9.637-11
-3.2	2.641-19	3.450-05	8.891-11	5.488-09	4.442-09	.000+00	7.475-08	.000+00	6.862-11
-3.0	5.901-19	3.092-05	6.332-11	7.736-09	2.521-09	.000+00	5.304-08	.000+00	4.886-11
-2.8	1.314-18	2.767-05	4.509-11	1.091[illegible]8	1.430-09	.000+00	3.760[illegible]8	.000+00	3.479-11
-2.6	2.911-18	2.472-05	3.213-11	1.536-08	8.107-10	.000+00	2.663-08	.000+00	2.479-11
-2.4	6.419-18	2.205-05	2.291-11	2.153-08	4.599-10	.000+00	1.885-08	.000+00	1.768-11
-2.2	1.406-17	1.964-05	1.636-11	3.005-08	2.611-10	.000+00	1.333-08	.000+00	1.263-11
-2.0	3.051-17	1.746-05	1.171-11	4.173-08	1.485-10	.000+00	9.417-09	.000+00	9.045-12
-1.8	6.546-17	1.550-05	8.399-12	5.755-08	8.472-11	.000+00	6.638-09	.000+00	6.498-12
-1.6	1.383-16	1.372-05	6.050-12	7.863-08	4.852-11	.000+00	4.673-09	.000+00	4.689-12
-1.4	2.864-16	1.212-05	4.379-12	1.062-07	2.794-11	.000+00	3.282-09	.000+00	3.403-12
-1.2	5.779-16	1.066-05	3.190-12	1.412-07	1.620-11	.000+00	2.298-09	.000+00	2.489-12
-1.0	1.129-15	9.346-06	2.341-12	1.841-07	9.479-12	.000+00	1.609-09	.000+00	1.837-12
-.8	2.124-15	8.152-06	1.733-12	2.348-07	5.605-12	.000+00	1.113-09	.000+00	1.371-12
-.6	3.878-15	7.074-06	1.294-12	2.917-07	3.354-12	.000+00	7.694-10	.000+00	1.035-12
-.4	6.589-15	6.105-06	9.741-13	3.525-07	2.032-12	.000+00	5.288-10	.000+00	7.916-13
-.2	1.083-14	5.240-06	7.392-13	4.160-07	1.247-12	.000+00	3.615-10	.000+00	6.127-13
.0	1.702-14	4.477-06	5.644-13	4.728-07	7.746-13	.000+00	2.459-10	.000+00	4.801-13
.2	2.568-14	3.812-06	4.328-13	5.261-07	4.868-13	.000+00	1.666-10	.000+00	3.803-13
.4	3.735-14	3.238-06	3.328-13	5.716-07	3.093-13	.000+00	1.126-10	.000+00	3.045-13
.6	5.262-14	2.749-06	2.561-13	6.080-07	1.987-13	.000+00	7.609-11	.000+00	2.462-13
.8	7.222-14	2.337-06	1.971-13	6.353-07	1.291-13	.000+00	5.148-11	.000+00	2.011-13
1.0	9.712-14	1.996-06	1.515-13	6.542-07	8.486-14	.000+00	3.496-11	.000+00	1.659-13
1.2	1.288-13	1.717-06	1.166-13	6.665-07	5.656-14	.000+00	2.391-11	.000+00	1.384-13
1.4	1.698-13	1.493-06	8.926-14	6.754-07	3.834-14	.000+00	1.654-11	.000+00	1.169-13
1.6	2.248-13	1.321-06	6.851-14	6.853-07	2.656-14	.000+00	1.163-11	.000+00	1.003-13
1.8	3.033-13	1.198-06	5.278-14	7.031-07	1.895-14	.000+00	8.393-12	.000+00	8.771-14
2.0	4.262-13	1.129-06	4.101-14	7.397-07	1.412-14	.000+00	6.292-12	.000+00	7.879-14
2.2	6.433-13	1.129-06	3.244-14	8.151-07	1.121-14	.000+00	5.002-12	.000+00	7.357-14

T= 4400

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	1.580-05	.000+00	2.637-17	7.380-01	2.186-01	4.869-03	1.254-04	1.564-05
-6.8	.000+00	1.089-05	.000+00	1.963-17	7.164-01	2.223-01	4.953-03	1.181-04	1.591-05
-6.6	.000+00	7.056-06	.000+00	1.449-17	6.875-01	2.273-01	5.065-03	1.083-04	1.627-05
-6.4	.000+00	4.278-06	.000+00	1.053-17	6.507-01	2.337-01	5.207-03	9.090-05	1.673-05
-6.2	.000+00	2.431-06	.000+00	7.634-18	6.063-01	2.414-01	5.379-03	7.363-05	1.728-05
-6.0	.000+00	1.304-06	.000+00	5.514-18	5.557-01	2.501-01	5.575-03	5.665-05	1.791-05
-5.8	.000+00	6.668-07	.000+00	3.978-18	5.008-01	2.596-01	5.787-03	4.170-05	1.859-05
-5.6	.000+00	3.288-07	.000+00	2.869-18	4.440-01	2.694-01	6.006-03	2.959-05	1.929-05
-5.4	.000+00	1.578-07	.000+00	2.068-18	3.876-01	2.791-01	6.226-03	2.042-05	1.999-05
-5.2	.000+00	7.434-08	.000+00	1.490-18	3.336-01	2.884-01	6.433-03	1.380-05	2.066-05
-5.0	.000+00	3.454-08	.000+00	1.072-18	2.835-01	2.970-01	6.627-03	9.179-06	2.129-05
-4.8	.000+00	1.590-08	.000+00	7.705-19	2.383-01	3.048-01	6.802-03	6.035-06	2.185-05
-4.6	.000+00	7.270-09	.000+00	5.529-19	1.983-01	3.116-01	6.957-03	3.933-06	2.235-05
-4.4	.000+00	3.308-09	.000+00	3.961-19	1.636-01	3.174-01	7.092-03	2.546-06	2.278-05
-4.2	.000+00	1.500-09	.000+00	2.833-19	1.341-01	3.223-01	7.207-03	1.640-06	2.315-05
-4.0	.000+00	6.781-10	.000+00	2.026-19	1.093-01	3.263-01	7.304-03	1.052-06	2.346-05
-3.8	.000+00	3.061-10	.000+00	1.444-19	8.860-02	3.296-01	7.386-03	6.731-07	2.372-05
-3.6	.000+00	1.380-10	.000+00	1.029-19	7.156-02	3.321-01	7.453-03	4.297-07	2.394-05
-3.4	.000+00	6.220-11	.000+00	7.332-20	5.761-02	3.339-01	7.510-03	2.739-07	2.412-05
-3.2	.000+00	2.803-11	.000+00	5.221-20	4.626-02	3.351-01	7.559-03	1.744-07	2.427-05
-3.0	.000+00	1.264-11	.000+00	3.717-20	3.707-02	3.357-01	7.598-03	1.110-07	2.440-05
-2.8	.000+00	5.704-12	.000+00	2.647-20	2.965-02	3.357-01	7.632-03	7.071-08	2.451-05
-2.6	.000+00	2.580-12	.000+00	1.886-20	2.369-02	3.351-01	7.663-03	4.505-08	2.461-05
-2.4	.000+00	1.170-12	.000+00	1.345-20	1.891-02	3.337-01	7.692-03	2.875-08	2.471-05
-2.2	.000+00	5.325-13	.000+00	9.611-21	1.509-02	3.315-01	7.720-03	1.839-08	2.480-05
-2.0	.000+00	2.438-13	.000+00	6.887-21	1.203-02	3.282-01	7.750-03	1.180-08	2.489-05
-1.8	.000+00	1.124-13	.000+00	4.944-21	9.593-03	3.236-01	7.783-03	7.608-09	2.500-05
-1.6	.000+00	5.237-14	.000+00	3.567-21	7.651-03	3.172-01	7.821-03	4.936-09	2.512-05
-1.4	.000+00	2.472-14	.000+00	2.589-21	6.106-03	3.088-01	7.868-03	3.229-09	2.527-05
-1.2	.000+00	1.186-14	.000+00	1.893-21	4.877-03	2.978-01	7.925-03	2.135-09	2.546-05
-1.0	.000+00	5.812-15	.000+00	1.397-21	3.899-03	2.839-01	7.994-03	1.429-09	2.568-05
-.8	.000+00	2.916-15	.000+00	1.042-21	3.122-03	2.670-01	8.077-03	9.709-10	2.594-05
-.6	.000+00	1.501-15	.000+00	7.869-22	2.503-03	2.472-01	8.173-03	6.697-10	2.625-05
-.4	.000+00	7.935-16	.000+00	6.015-22	2.008-03	2.250-01	8.279-03	4.690-10	2.659-05
-.2	.000+00	4.303-16	.000+00	4.654-22	1.613-03	2.012-01	8.392-03	3.330-10	2.695-05
.0	.000+00	2.387-16	.000+00	3.642-22	1.295-03	1.770-01	8.506-03	2.390-10	2.732-05
.2	.000+00	1.350-16	.000+00	2.881-22	1.040-03	1.532-01	8.619-03	1.729-10	2.768-05
.4	.000+00	7.755-17	.000+00	2.301-22	8.339-04	1.308-01	8.725-03	1.256-10	2.802-05
.6	.000+00	4.506-17	.000+00	1.853-22	6.679-04	1.102-01	8.822-03	9.126-11	2.834-05
.8	.000+00	2.640-17	.000+00	1.504-22	5.340-04	9.175-02	8.909-03	6.612-11	2.862-05
1.0	.000+00	1.554-17	.000+00	1.229-22	4.260-04	7.566-02	8.985-03	4.759-11	2.886-05
1.2	.000+00	9.168-18	.000+00	1.009-22	3.389-04	6.183-02	9.051-03	3.390-11	2.907 05
1.4	.000+00	5.407-18	.000+00	8.324-23	2.687-04	5.008-02	9.107-03	2.382-11	2.925-05
1.6	.000+00	3.180-18	.000+00	6.872-23	2.118-04	4.020-02	9.155-03	1.643-11	2.940-05
1.8	.000+00	1.863-18	.000+00	5.658-23	1.658-04	3.193-02	9.195-03	1.105-11	2.954-05
2.0	.000+00	1.084-18	.000+00	4.621-23	1.282-04	2.503-02	9.231-03	7.188-12	2.965-05
2.2	.000+00	6.258-19	.000+00	3.712-23	9.747-05	1.924-02	9.263-03	4.463-12	2.975-05

T= 4400

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	1.791-04	1.91821+00	2.41323+01	2.60705+01	7.50639+01	-5.50980+00	1.91821+00
-6.8	1.571-04	1.88579+00	2.33017+01	2.51875+01	7.33571+01	-5.31720+00	1.88579+00
-6.6	1.408-04	1.84408+00	2.22334+01	2.40775+01	7.14297+01	-5.12691+00	1.84408+00
-6.4	1.288-04	1.79362+00	2.09415+01	2.27351+01	6.92558+01	-4.93896+00	1.79362+00
-6.2	1.197-04	1.73640+00	1.94766+01	2.12113E+01	6.70220+01	-4.75304+00	1.73640+00
-6.0	1.123-04	1.67543+00	1.79158+01	1.95912+01	6.46755+01	-4.56857+00	1.67543+00
-5.8	1.058-04	1.61401+00	1.63435+01	1.79575+01	6.23459+01	-4.38479+00	1.61401+00
-5.6	9.976-05	1.55502+00	1.48337+01	1.63888+01	6.01086+01	-4.20096+00	1.55502+00
-5.4	9.377-05	1.50056+00	1.34403+01	1.49405+01	5.80098+01	-4.01644+00	1.50056+00
-5.2	8.773-05	1.45187+00	1.21944+01	1.36463+01	5.60844+01	-3.83077+00	1.45187+00
-5.0	8.163-05	1.40940+00	1.11082+01	1.25176+01	5.43396+01	-3.64366+00	1.40940+00
-4.8	7.551-05	1.37308+00	1.01798+01	1.15525+01	5.27707+01	-3.45500+00	1.37308+00
-4.6	6.946-05	1.34249+00	9.39832+00	1.07408+01	5.13642+01	-3.26478+00	1.34249+00
-4.4	6.357-05	1.31702+00	8.74844+00	1.00655+01	5.01022+01	-3.07310+00	1.31702+00
-4.2	5.791-05	1.29600+00	8.21295+00	9.50895+00	4.89652+01	-2.88009+00	1.29600+00
-4.0	5.255-05	1.27874+00	7.77478+00	9.05352+00	4.79343+01	-2.68591+00	1.27874+00
-3.8	4.752-05	1.26464+00	7.41803+00	8.68267+00	4.69920+01	-2.49073+00	1.26464+00
-3.6	4.284-05	1.25311+00	7.12851+00	8.38162+00	4.61229+01	-2.29471+00	1.25311+00
-3.4	3.853-05	1.24366+00	6.89385+00	8.13751+00	4.53134+01	-2.09799+00	1.24366+00
-3.2	3.458-05	1.23586+00	6.70347+00	7.93933+00	4.45521+01	-1.90072+00	1.23586+00
-3.0	3.098-05	1.22934+00	6.54838+00	7.77771+00	4.38294+01	-1.70302+00	1.22934+00
-2.8	2.770-05	1.22376+00	6.42093+00	7.64470+00	4.31372+01	-1.50500+00	1.22376+00
-2.6	2.474-05	1.21884+00	6.31458+00	7.53343+00	4.24684+01	-1.30675+00	1.21884+00
-2.4	2.205-05	1.21430+00	6.22359+00	7.43788+00	4.18172+01	-1.10837+00	1.21429+00
-2.2	1.963-05	1.20985+00	6.14271+00	7.35257+00	4.11781+01	-9.09960-01	1.20984+00
-2.0	1.744-05	1.20523+00	6.06699+00	7.27222+00	4.05463+01	-7.11620-01	1.20521+00
-1.8	1.545-05	1.20012+00	5.99148+00	7.19166+00	3.99169+01	-5.13470-01	1.20010+00
-1.6	1.366-05	1.19421+00	5.91112+00	7.10533+00	3.92852+01	-3.15610-01	1.19417+00
-1.4	1.202-05	1.18715+00	5.82082+00	7.00798+00	3.86465+01	-1.18190-01	1.18709+00
-1.2	1.053-05	1.17865+00	5.71582+00	6.89447+00	3.79967+01	7.86900-02	1.17854+00
-1.0	9.171-06	1.16847+00	5.59247+00	6.76094+00	3.73329+01	2.74930-01	1.16831+00
-.8	7.927-06	1.15660+00	5.44925+00	6.60585+00	3.66542+01	4.70490-01	1.15634+00
-.6	6.791-06	1.14322+00	5.28765+00	6.43087+00	3.59630+01	6.65440-01	1.14281+00
-.4	5.761-06	1.12881+00	5.11229+00	6.24110+00	3.52645+01	8.59930-01	1.12818+00
-.2	4.834-06	1.11402+00	4.93012+00	6.04414+00	3.45659+01	1.05420+00	1.11302+00
.0	4.012-06	1.09956+00	4.74890+00	5.84846+00	3.38750+01	1.24853+00	1.09800+00
.2	3.292-06	1.08612+00	4.57567+00	5.66175+00	3.31986+01	1.44318+0	1.08369+00
.4	2.672-06	1.07431+00	4.41573+00	5.49004+00	3.25412+01	1.63864+00	1.07051+00
.6	2.146-06	1.06466+00	4.27233+00	5.33695+00	3.19054+01	1.83452+00	1.05870+00
.8	1.707-06	1.05771+00	4.14683+00	5.20454+00	3.12913+01	2.03167+00	1.04837+00
1.0	1.346-06	1.05416+00	4.03912+00	5.09327+00	3.06975+01	2.23021+00	1.03948+00
1.2	1.054-06	1.05502+00	3.94813+00	5.00316+00	3.01211+01	2.43057+00	1.03193+00
1.4	8.208-07	1.06192+00	3.87233+00	4.93426+00	2.95581+01	2.63340+00	1.02558+00
1.6	6.382-07	1.07750+00	3.80998+00	4.88749+00	2.90035+01	2.83973+00	1.02024+00
1.8	4.978-07	1.10600+00	3.75948+00	4.86548+00	2.84509+01	3.05106+00	1.01573+00
2.0	3.921-07	1.15414+00	3.71953+00	4.87367+00	2.78911+01	3.26956+00	1.01183+00
2.2	3.154-07	1.23241+00	3.68938+00	4.92176+00	2.73132+01	3.49806+00	1.00828+00

T= 4500

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.291-02	1.232-00	6.814-06	1.662-05	2.756-13	8.671-16	6.263-14	2.298-07	2.695-10
-6.8	3.457-02	1.975-08	1.060-05	2.605-05	6.841-13	2.137-15	1.699-13	2.601-07	3.240-10
-6.6	5.106-02	3.180-08	1.634-05	3.948-05	1.643-12	5.223-15	3.506-13	2.834-07	3.844-10
-6.4	7.339-02	5.164-08	2.493-05	5.739-05	3.786-12	1.263-14	7.987-13	2.954-07	4.516-10
-6.2	1.022-01	8.373-08	3.751-05	7.945-05	8.305-12	3.011-14	1.762-12	2.936-07	5.246-10
-6.0	1.373-01	1.369-07	5.461-05	1.043-04	1.727-11	7.073-14	3.752-12	2.783-07	6.050-10
-5.8	1.779-01	2.244-07	8.108-05	1.298-04	3.406-11	1.634-13	7.703-12	2.523-07	6.947-10
-5.6	2.224-01	3.694-07	1.162-04	1.540-04	6.405-11	3.713-13	1.526-11	2.197-07	7.958-10
-5.4	2.689-01	6.075-07	1.639-04	1.755-04	1.157-10	8.297-13	2.924-11	1.869-07	9.104-10
-5.2	3.155-01	9.978-07	2.276-04	1.939-04	2.025-10	1.825-12	5.437-11	1.510-07	1.041-09
-5.0	3.605-01	1.635-06	3.114-04	2.092-04	3.461-10	3.957-12	9.843-11	1.203-07	1.189-09
-4.8	4.026-01	2.669-06	4.205-04	2.214-04	5.810-10	8.445-12	1.741-10	9.365-08	1.357-09
-4.6	4.408-01	4.343-06	5.612-04	2.317-04	9.624-10	1.790-11	3.021-10	7.196-08	1.545-09
-4.4	4.749-01	7.039-06	7.414-04	2.393-04	1.578-09	3.746-11	5.153-10	5.435-08	1.757-09
-4.2	5.042-01	1.136-05	9.709-04	2.445-04	2.548-09	7.769-11	8.668-10	4.056-08	1.993-09
-4.0	5.296-01	1.828-05	1.262-03	2.518-04	4.154-09	1.599-10	1.441-09	2.998-08	2.257-09
-3.8	5.507-01	2.932-05	1.630-03	2.561-04	6.699-09	3.289-10	2.373-09	2.197-08	2.551-09
-3.6	5.684-01	4.688-05	2.094-03	2.595-04	1.073-08	6.647-10	3.877-09	1.600-08	2.879-09
-3.4	5.830-01	7.475-05	2.678-03	2.623-04	1.716-08	1.345-09	6.291-09	1.159-08	3.241-09
-3.2	5.950-01	1.188-04	3.411-03	2.646-04	2.736-08	2.709-09	1.015-08	8.366-09	3.643-09
-3.0	6.047-01	1.885-04	4.330-03	2.665-04	4.354-08	5.432-09	1.630-08	6.017-09	4.089-09
-2.8	6.125-01	2.980-04	5.479-03	2.681-04	6.916-08	1.085-08	2.606-08	4.318-09	4.580-09
-2.6	6.188-01	4.697-04	6.914-03	2.694-04	1.095-07	2.159-08	4.151-08	3.093-09	5.119-09
-2.4	6.238-01	7.375-04	8.699-03	2.705-04	1.732-07	4.276-08	6.587-08	2.214-09	5.706-09
-2.2	6.278-01	1.153-03	1.091-02	2.715-04	2.730-07	8.424-08	1.041-07	1.585-09	6.344-09
-2.0	6.311-01	1.741-03	1.364-02	2.725-04	4.291-07	1.649-07	1.639-07	1.135-09	7.023-09
-1.8	6.337-01	2.762-03	1.697-02	2.734-04	6.717-07	3.201-07	2.568-07	8.141-10	7.735-09
-1.6	6.361-01	4.216-03	2.100-02	2.743-04	1.046-06	6.149-07	4.000-07	5.855-10	8.462-09
-1.4	6.383-01	6.352-03	2.593-02	2.753-04	1.617-06	1.165-06	6.186-07	4.228-10	9.174-09
-1.2	6.406-01	9.407-03	3.199-02	2.763-04	2.478-06	2.169-06	9.480-07	3.071-10	9.831-09
-1.0	6.433-01	1.363-02	3.934-02	2.772-04	3.754-06	3.952-06	1.437-06	2.247-10	1.038-08
-.8	6.464-01	1.925-02	4.824-02	2.780-04	5.605-06	7.009-06	2.150-06	1.659-10	1.077-08
-.6	6.503-01	2.635-02	5.910-02	2.785-04	8.228-06	1.206-05	3.169-06	1.239-10	1.095-08
-.4	6.549-01	3.489-02	7.231-02	2.786-04	1.184-05	2.006-05	4.594-06	9.369-11	1.088-08
-.2	6.602-01	4.461-02	8.820-02	2.785-04	1.669-05	3.222-05	6.548-06	7.175-11	1.057-08
.0	6.658-01	5.508-02	1.067-01	2.782-04	2.301-05	5.005-05	9.176-06	5.567-11	1.004-08
.2	6.717-01	6.584-02	1.279-01	2.778-04	3.102-05	7.533-05	1.266-05	4.373-11	9.343-09
.4	6.776-01	7.640-02	1.527-01	2.773-04	4.091-05	1.102-04	1.720-05	3.477-11	8.545-09
.6	6.831-01	8.639-02	1.850-01	2.769-04	5.283-05	1.576-04	2.307-05	2.797-11	7.707-09
.8	6.882-01	9.554-02	2.260-01	2.767-04	6.692-05	2.212-04	3.060-05	2.276-11	6.880-09
1.0	6.928-01	1.037-01	2.774-01	2.771-04	8.348-05	3.065-04	4.020-05	1.873-11	6.102-09
1.2	6.969-01	1.108-01	3.386-01	2.778-04	1.029-04	4.220-04	5.238-05	1.562-11	5.399-09
1.4	7.004-01	1.169-01	4.158-01	2.791-04	1.266-04	5.818-04	6.777-05	1.321-11	4.785-09
1.6	7.034-01	1.220-01	5.184-01	2.809-04	1.617-04	8.117-04	8.715-05	1.137-11	4.271-09
1.8	7.060-01	1.262-01	6.584-01	2.837-04	2.160-04	1.163-03	1.115-04	1.001-11	3.861-09
2.0	7.083-01	1.297-01	8.500-01	2.882-04	2.971-04	1.749-03	1.419-04	9.095-12	3.569-09
2.2	7.103-01	1.322-01	1.108-00	2.952-04	4.178-04	2.649-03	1.794-04	8.645-12	3.416-09

T= 4500

LOG E	C+	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	4.750-26	6.192-05	7.315-09	5.560-12	9.889-05	.000+00	6.194-05	.000+00	6.386-08
-6.8	1.015-25	9.223-05	8.538-09	7.497-12	7.279-05	.000+00	4.699-05	.000+00	4.847-08
-6.6	2.215-25	8.217-05	9.613-09	1.032-11	5.225-05	.000+00	3.522-05	.000+00	3.633-08
-6.4	4.944-25	9.788-05	1.014-08	1.454-11	3.647-05	.000+00	2.608-05	.000+00	2.690-08
-6.2	1.127-24	9.767-05	1.062-08	2.041-11	2.473-05	.000+00	1.912-05	.000+00	1.973-08
-6.0	2.611-24	1.021-04	9.273-09	3.058-11	1.632-05	.000+00	1.391-05	.000+00	1.436-08
-5.8	6.125-24	1.042-04	8.076-09	4.527-11	1.050-05	.000+00	1.008-05	.000+00	1.040-08
-5.6	1.446-23	1.041-04	6.676-09	6.742-11	6.622-06	.000+00	7.289-06	.000+00	7.523-09
-5.4	3.417-23	1.021-04	5.295-09	1.006-10	4.100-06	.000+00	5.263-06	.000+00	5.434-09
-5.2	8.063-23	9.867-05	4.072-09	1.498-10	2.501-06	.000+00	3.798-06	.000+00	3.922-09
-5.0	1.895-22	9.413-05	3.062-09	2.221-10	1.506-06	.000+00	2.738-06	.000+00	2.828-09
-4.8	4.429-22	8.880-05	2.267-09	3.277-10	8.965-07	.000+00	1.971-06	.000+00	2.037-09
-4.6	1.029-21	8.297-05	1.659-09	4.807-10	5.287-07	.000+00	1.417-06	.000+00	1.465-09
-4.4	2.378-21	7.699-05	1.205-09	7.012-10	3.093-07	.000+00	1.017-06	.000+00	1.052-09
-4.2	5.465-21	7.075-05	8.699-10	1.017-09	1.797-07	.000+00	7.287-07	.000+00	7.541-10
-4.0	1.243-20	6.472-05	6.254-10	1.469-09	1.038-07	.000+00	5.211-07	.000+00	5.398-10
-3.8	2.843-20	5.891-05	4.483-10	2.112-09	5.970-08	.000+00	3.720-07	.000+00	3.858-10
-3.6	6.444-20	5.340-05	3.206-10	3.024-09	3.419-08	.000+00	2.652-07	.000+00	2.754-10
-3.4	1.455-19	4.824-05	2.289-10	4.319-09	1.952-08	.000+00	1.888-07	.000+00	1.964-10
-3.2	3.272-19	4.344-05	1.633-10	6.138-09	1.112-08	.000+00	1.342-07	.000+00	1.400-10
-3.0	7.332-19	3.903-05	1.164-10	8.706-09	6.323-09	.000+00	9.534-08	.000+00	9.974-11
-2.8	1.637-18	3.499-05	8.291-11	1.231-08	3.591-09	.000+00	6.765-08	.000+00	7.105-11
-2.6	3.639-18	3.131-05	5.909-11	1.736-08	2.038-09	.000+00	4.796-08	.000+00	5.043-11
-2.4	8.051-18	2.798-05	4.213-11	2.440-08	1.157-09	.000+00	3.397-08	.000+00	3.611-11
-2.2	1.770-17	2.495-05	3.007-11	3.418-08	6.569-10	.000+00	2.404-08	.000+00	2.578-11
-2.0	3.843-17	2.222-05	2.150-11	4.759-08	3.735-10	.000+00	1.699-08	.000+00	1.844-11
-1.8	8.344-17	1.975-05	1.541-11	6.590-08	2.128-10	.000+00	1.200-08	.000+00	1.323-11
-1.6	1.779-16	1.752-05	1.104-11	9.053-08	1.216-10	.000+00	8.457-09	.000+00	9.524-12
-1.4	3.728-16	1.550-05	8.001-12	1.231-07	6.993-11	.000+00	5.950-09	.000+00	6.892-12
-1.2	7.637-16	1.367-05	5.810-12	1.652-07	4.035-11	.000+00	4.176-09	.000+00	5.020-12
-1.0	1.521-15	1.202-05	4.248-12	2.179-07	2.349-11	.000+00	2.921-09	.000+00	3.687-12
-.8	2.926-15	1.052-05	3.131-12	2.819-07	1.382-11	.000+00	2.034-09	.000+00	2.735-12
-.6	5.607-15	9.168-06	2.329-12	3.550-07	8.217-12	.000+00	1.413-09	.000+00	2.053-12
-.4	9.559-15	7.948-06	1.768-12	4.359-07	4.948-12	.000+00	9.754-10	.000+00	1.560-12
-.2	1.613-14	6.854-06	1.323-12	5.201-07	3.019-12	.000+00	6.701-10	.000+00	1.201-12
.0	2.601-14	5.887-06	1.009-12	6.031-07	1.865-12	.000+00	4.583-10	.000+00	9.364-13
.2	4.016-14	5.037-06	7.747-13	6.805-07	1.167-12	.000+00	3.121-10	.000+00	7.390-13
.4	5.959-14	4.298-06	5.973-13	7.484-07	7.394-13	.000+00	2.121-10	.000+00	5.899-13
.6	8.542-14	3.666-06	4.618-13	8.046-07	4.739-13	.000+00	1.439-10	.000+00	4.761-13
.8	1.189-13	3.130-06	3.575-13	8.480-07	3.074-13	.000+00	9.778-11	.000+00	3.883-13
1.0	1.618-13	2.693-06	2.769-13	8.795-07	2.019-13	.000+00	6.666-11	.000+00	3.202-13
1.2	2.167-13	2.315-06	2.145-13	9.013-07	1.345-13	.000+00	4.575-11	.000+00	2.672-13
1.4	2.879-13	2.020-06	1.662-13	9.176-07	9.115-14	.000+00	3.176-11	.000+00	2.259-13
1.6	3.833-13	1.792-06	1.290-13	9.340-07	6.313-14	.000+00	2.238-11	.000+00	1.940-13
1.8	5.195-13	1.629-06	1.006-13	9.606-07	4.505-14	.000+00	1.618-11	.000+00	1.730-13
2.0	7.323-13	1.538-06	7.915-14	1.012-06	3.356-14	.000+00	1.214-11	.000+00	1.591-13
2.2	1.107-12	1.538-06	6.348-14	1.116-06	2.659-14	.000+00	9.649-12	.000+00	1.634-13

T= 4500

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	2.336-05	.000+00	6.825-17	7.562-01	2.154-01	4.798-03	1.295-04	1.541-05
-6.8	.000+00	1.732-05	.000+00	5.178-17	7.421-01	2.179-01	4.853-03	1.281-04	1.593-05
-6.6	.000+00	1.222-05	.000+00	3.881-17	7.221-01	2.213-01	4.930-03	1.225-04	1.584-05
-6.4	.000+00	8.131-06	.000+00	2.874-17	6.950-01	2.260-01	5.036-03	1.124-04	1.617-05
-6.2	.000+00	5.072-06	.000+00	2.107-17	6.601-01	2.321-01	5.171-03	9.817-05	1.661-05
-6.0	.000+00	2.962-06	.000+00	1.534-17	6.174-01	2.394-01	5.336-03	8.110-05	1.714-05
-5.8	.000+00	1.628-06	.000+00	1.112-17	5.691-01	2.479-01	5.527-03	6.386-05	1.775-05
-5.6	.000+00	8.493-07	.000+00	8.037-18	5.174-01	2.573-01	5.736-03	4.781-05	1.842-05
-5.4	.000+00	4.251-07	.000+00	5.805-18	4.575-01	2.670-01	5.954-03	3.440-05	1.913-05
-5.2	.000+00	2.053-07	.000+00	4.190-18	4.008-01	2.768-01	6.173-03	2.338-05	1.983-05
-5.0	.000+00	9.793-08	.000+00	3.021-18	3.461-01	2.862-01	6.385-03	1.633-05	2.051-05
-4.8	.000+00	4.575-08	.000+00	2.176-18	2.950-01	2.950-01	6.583-03	1.092-05	2.114-05
-4.6	.000+00	2.114-08	.000+00	1.565-18	2.485-01	3.029-01	6.763-03	7.206-06	2.172-05
-4.4	.000+00	9.691-09	.000+00	1.124-18	2.073-01	3.099-01	6.923-03	4.709-06	2.224-05
-4.2	.000+00	4.418-09	.000+00	8.056-19	1.714-01	3.160-01	7.062-03	3.055-06	2.268-05
-4.0	.000+00	2.006-09	.000+00	5.766-19	1.407-01	3.210-01	7.182-03	1.971-06	2.307-05
-3.8	.000+00	9.082-10	.000+00	4.121-19	1.148-01	3.252-01	7.284-03	1.266-06	2.339-05
-3.6	.000+00	4.104-10	.000+00	2.942-19	9.315-02	3.285-01	7.369-03	8.108-07	2.367-05
-3.4	.000+00	1.852-10	.000+00	2.098-19	7.530-02	3.311-01	7.440-03	5.181-07	2.390-05
-3.2	.000+00	8.355-11	.000+00	1.495-19	6.066-02	3.330-01	7.500-03	3.305-07	2.409-05
-3.0	.000+00	3.769-11	.000+00	1.065-19	4.874-02	3.342-01	7.550-03	2.107-07	2.425-05
-2.8	.000+00	1.701-11	.000+00	7.590-20	3.907-02	3.347-01	7.593-03	1.342-07	2.439-05
-2.6	.000+00	7.699-12	.000+00	5.409-20	3.127-02	3.346-01	7.630-03	8.556-08	2.451-05
-2.4	.000+00	3.483-12	.000+00	3.857-20	2.500-02	3.338-01	7.663-03	5.458-08	2.461-05
-2.2	.000+00	1.583-12	.000+00	2.754-20	1.996-02	3.321-01	7.694-03	3.488-08	2.471-05
-2.0	.000+00	7.226-13	.000+00	1.970-20	1.593-02	3.295-01	7.725-03	2.235-08	2.481-05
-1.8	.000+00	3.320-13	.000+00	1.413-20	1.270-02	3.257-01	7.758-03	1.438-08	2.492-05
-1.6	.000+00	1.538-13	.000+00	1.017-20	1.013-02	3.204-01	7.795-03	9.295-09	2.504-05
-1.4	.000+00	7.207-14	.000+00	7.361-21	8.095-03	3.133-01	7.838-03	6.053-09	2.518-05
-1.2	.000+00	3.427-14	.000+00	5.361-21	6.456-03	3.038-01	7.890-03	3.978-09	2.534-05
-1.0	.000+00	1.660-14	.000+00	3.937-21	5.159-03	2.917-01	7.952-03	2.644-09	2.554-05
-.8	.000+00	8.218-15	.000+00	2.921-21	4.127-03	2.766-01	8.028-03	1.781-09	2.579-05
-.6	.000+00	4.171-15	.000+00	2.191-21	3.306-03	2.585-01	8.116-03	1.218-09	2.607-05
-.4	.000+00	2.174-15	.000+00	1.665-21	2.651-03	2.377-01	8.216-03	8.455-10	2.639-05
-.2	.000+00	1.164-15	.000+00	1.281-21	2.128-03	2.149-01	8.326-03	5.957-10	2.674-05
.0	.000+00	6.385-16	.000+00	9.976-22	1.709-03	1.909-01	8.440-03	4.250-10	2.711-05
.2	.000+00	3.581-16	.000+00	7.860-22	1.372-03	1.668-01	8.554-03	3.062-10	2.747-05
.4	.000+00	2.046-16	.000+00	6.258-22	1.100-03	1.435-01	8.664-03	2.220-10	2.783-05
.6	.000+00	1.186-16	.000+00	5.031-22	8.818-04	1.218-01	8.767-03	1.614-10	2.816-05
.8	.000+00	6.953-17	.000+00	4.078-22	7.054-04	1.021-01	8.860-03	1.172-10	2.846-05
1.0	.000+00	4.105-17	.000+00	3.331-22	5.631-04	8.467-02	8.942-03	8.469-11	2.872-05
1.2	.000+00	2.434-17	.000+00	2.736-22	4.483-04	6.950-02	9.015-03	6.068-11	2.895-05
1.4	.000+00	1.445-17	.000+00	2.258-22	3.555-04	5.651-02	9.077-03	4.293-11	2.915-05
1.6	.000+00	8.575-18	.000+00	1.866-22	2.805-04	4.551-02	9.130-03	2.984-11	2.932-05
1.8	.000+00	5.071-18	.000+00	1.539-22	2.196-04	3.624-02	9.175-03	2.025-11	2.947-05
2.0	.000+00	2.984-18	.000+00	1.260-22	1.699-04	2.847-02	9.214-03	1.330-11	2.960-05
2.2	.000+00	1.745-18	.000+00	1.016-22	1.292-04	2.193-02	9.251-03	8.338-12	2.971-05

T= 4500

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	2.464-04	1.94668+00	2.43847+01	2.63314+01	7.58622+01	-5.49364+00	1.94668+00
-6.8	2.097-04	1.92467+00	2.38318+01	2.57564+01	7.44176+01	-5.29859+00	1.92462+00
-6.6	1.822-04	1.89433+00	2.30728+01	2.49671+01	7.27789+01	-5.10548+00	1.89433+00
-6.4	1.619-04	1.85481+00	2.20832+01	2.39380+01	7.09258+01	-4.91463+00	1.85481+00
-6.2	1.469-04	1.80629+00	2.08685+01	2.26748+01	6.88677+01	-4.72615+00	1.80629+00
-6.0	1.356-04	1.75042+00	1.94701+01	2.12205+01	6.66502+01	-4.53979+00	1.75042+00
-5.8	1.267-04	1.69003+00	1.79587+01	1.96487+01	6.43465+01	-4.35504+00	1.69003+00
-5.6	1.191-04	1.62842+00	1.64169+01	1.80453+01	6.20407+01	-4.17117+00	1.62842+00
-5.4	1.121-04	1.56862+00	1.49207+01	1.64893+01	5.98085+01	-3.99742+00	1.56862+00
-5.2	1.053-04	1.51294+00	1.35278+01	1.50407+01	5.77063+01	-3.80311+00	1.51294+00
-5.0	9.860-05	1.46280+00	1.22738+01	1.37366+01	5.57673+01	-3.61775+00	1.46280+00
-4.8	9.181-05	1.41883+00	1.11745+01	1.25934+01	5.40048+01	-3.43100+00	1.41883+00
-4.6	8.501-05	1.38107+00	1.02308+01	1.16115+01	5.24167+01	-3.24272+00	1.38107+00
-4.4	7.828-05	1.34915+00	9.43388+00	1.07830+01	5.09913+01	-3.05287+00	1.34915+00
-4.2	7.171-05	1.32250+00	8.76932+00	1.00918+01	4.97118+01	-2.86156+00	1.32250+00
-4.0	6.538-05	1.30045+00	8.22057+00	9.52102+00	4.85592+01	-2.66884+00	1.30045+00
-3.8	5.937-05	1.28233+00	7.77075+00	9.05307+00	4.75148+01	-2.47494+00	1.28233+00
-3.6	5.372-05	1.26747+00	7.40397+00	8.67145+00	4.65611+01	-2.28000+00	1.26747+00
-3.4	4.846-05	1.25531+00	7.10591+00	8.36122+00	4.56822+01	-2.08418+00	1.25531+00
-3.2	4.360-05	1.24532+00	6.86401+00	8.10933+00	4.48646+01	-1.88765+00	1.24532+00
-3.0	3.914-05	1.23705+00	6.66745+00	7.90045+00	4.40965+01	-1.69055+00	1.23705+00
-2.8	3.506-05	1.23011+00	6.50702+00	7.73713+00	4.33681+01	-1.49299+00	1.23011+00
-2.6	3.136-05	1.22415+00	6.37485+00	7.59899+00	4.26708+01	-1.29510+00	1.22414+00
-2.4	2.799-05	1.21885+00	6.26414+00	7.48299+00	4.19976+01	-1.09698+00	1.21884+00
-2.2	2.495-05	1.21391+00	6.16892+00	7.38283+00	4.13422+01	-8.98750-01	1.21390+00
-2.0	2.220-05	1.20904+00	6.08371+00	7.29275+00	4.06991+01	-7.00490-01	1.20902+00
-1.8	1.970-05	1.20394+00	6.00331+00	7.20725+00	4.00631+01	-5.02330-01	1.20391+00
-1.6	1.744-05	1.19828+00	5.92257+00	7.12084+00	3.94292+01	-3.04380-01	1.19823+00
-1.4	1.539-05	1.19172+00	5.83630+00	7.02802+00	3.87926+01	-1.06760-01	1.19165+00
-1.2	1.352-05	1.18394+00	5.73946+00	6.92340+00	3.81487+01	9.04000-02	1.18384+00
-1.0	1.182-05	1.17466+00	5.62764+00	6.80236+00	3.74937+01	2.86980-01	1.17449+00
-.8	1.025-05	1.16372+00	5.49793+00	6.66165+00	3.68255+01	4.82920-01	1.16346+00
-.6	8.826-06	1.15119+00	5.34985+00	6.50104+00	3.61444+01	6.78210-01	1.15078+00
-.4	7.524-06	1.13738+00	5.18597+00	6.32335+00	3.54535+01	8.72970-01	1.13674+00
-.2	6.368-06	1.12283+00	5.01166+00	6.13449+00	3.47588+01	1.06738+00	1.12183+00
.0	5.295-06	1.10825+00	4.83402+00	5.94226+00	3.40674+01	1.26170+00	1.10668+00
.2	4.366-06	1.09436+00	4.66031+00	5.75467+00	3.33866+01	1.45623+00	1.09192+00
.4	3.559-06	1.08187+00	4.49670+00	5.57856+00	3.27220+01	1.65124+00	1.07804+00
.6	2.869-06	1.07140+00	4.34748+00	5.41888+00	3.20771+01	1.84702+00	1.06541+00
.8	2.289-06	1.06359+00	4.21503+00	5.27862+00	3.14532+01	2.04384+00	1.05620+00
1.0	1.809-06	1.05918+00	4.10003+00	5.15921+00	3.08495+01	2.24204+00	1.04446+00
1.2	1.419-06	1.05925+00	4.00197+00	5.06122+00	3.02639+01	2.44206+00	1.03611+00
1.4	1.107-06	1.06544+00	3.91963+00	4.98507+00	2.96926+01	2.64459+00	1.02903+00
1.6	8.618-07	1.08038+00	3.85144+00	4.93183+00	2.91309+01	2.85064+00	1.02306+00
1.8	6.724-07	1.10831+00	3.79585+00	4.90416+00	2.85718+01	3.06173+00	1.01799+00
2.0	5.297-07	1.15594+00	3.75153+00	4.90747+00	2.80070+01	3.28000+00	1.01363+00
2.2	4.258-07	1.23373+00	3.71767+00	4.95140+00	2.74244+01	3.50829+00	1.00967+00

T= 4600

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.381-02	9.258-09	4.821-06	8.809-06	1.101-13	5.226-16	3.470-14	2.437-07	2.911-10
-6.8	2.122-02	1.478-08	7.591-06	1.426-05	2.825-13	1.297-15	8.453-14	2.665-07	3.556-10
-6.6	3.213-02	2.368-08	1.176-05	2.253-05	7.075-13	3.202-15	2.028-13	3.273-07	4.299-10
-6.4	4.767-02	3.809-08	1.817-05	3.495-05	1.719-12	7.839-15	4.768-13	3.606-07	5.136-10
-6.2	6.888-02	6.158-08	2.777-05	5.098-05	4.020-12	1.899-14	1.092-12	3.806-07	6.064-10
-6.0	9.648-02	1.001-07	4.190-05	7.182-05	8.976-12	4.541-14	2.424-12	3.830-07	7.083-10
-5.8	1.305-01	1.635-07	6.228-05	9.605-05	1.902-11	1.070-13	5.195-12	3.674-07	8.206-10
-5.6	1.702-01	2.682-07	9.108-05	1.217-04	3.821-11	2.479-13	1.074-11	3.366-07	9.454-10
-5.4	2.141-01	4.409-07	1.310-04	1.469-04	7.298-11	5.669-13	2.140-11	2.959-07	1.086-09
-5.2	2.604-01	7.251-07	1.853-04	1.695-04	1.335-10	1.266-12	4.125-11	2.508-07	1.245-09
-5.0	3.072-01	1.191-06	2.579-04	1.890-04	2.360-10	2.792-12	7.709-11	2.061-07	1.425-09
-4.8	3.526-01	1.953-06	3.537-04	2.053-04	4.062-10	6.068-12	1.402-10	1.651-07	1.629-09
-4.6	3.952-01	3.190-06	4.787-04	2.187-04	6.853-10	1.301-11	2.490-10	1.293-07	1.860-09
-4.4	4.342-01	5.193-06	6.402-04	2.295-04	1.139-09	2.756-11	4.333-10	9.965-08	2.120-09
-4.2	4.689-01	8.429-06	8.471-04	2.381-04	1.873-09	5.776-11	7.412-10	7.534-08	2.411-09
-4.0	4.992-01	1.360-05	1.111-03	2.451-04	3.053-09	1.200-10	1.250-09	5.636-08	2.737-09
-3.8	5.251-01	2.189-05	1.445-03	2.508-04	4.944-09	2.471-10	2.081-09	4.173-08	3.100-09
-3.6	5.471-01	3.511-05	1.868-03	2.553-04	7.967-09	5.054-10	3.437-09	3.064-08	3.504-09
-3.4	5.654-01	5.613-05	2.402-03	2.589-04	1.279-08	1.028-09	5.612-09	2.236-08	3.954-09
-3.2	5.805-01	8.948-05	3.073-03	2.619-04	2.045-08	2.081-09	9.113-09	1.621-08	4.452-09
-3.0	5.929-01	1.422-04	3.915-03	2.643-04	3.262-08	4.190-09	1.471-08	1.170-08	5.004-09
-2.8	6.029-01	2.254-04	4.970-03	2.663-04	5.191-08	8.401-09	2.363-08	8.426-09	5.614-09
-2.6	6.110-01	3.560-04	6.238-03	2.679-04	8.239-08	1.677-08	3.777-08	6.052-09	6.284-0
-2.4	6.176-01	5.604-04	7.931-03	2.693-04	1.305-07	3.332-08	6.014-08	4.339-09	7.018-09
-2.2	6.228-01	8.784-04	9.971-03	2.705-04	2.061-07	6.587-08	9.537-08	3.109-09	7.816-09
-2.0	6.270-01	1.370-03	1.249-02	2.716-04	3.246-07	1.295-07	1.506-07	2.228-09	8.673-09
-1.8	6.304-01	2.121-03	1.559-02	2.727-04	5.093-07	2.525-07	2.367-07	1.598-09	9.582-09
-1.6	6.332-01	3.256-03	1.936-02	2.737-04	7.956-07	4.881-07	3.700-07	1.148-09	1.052-08
-1.4	6.357-01	4.943-03	2.390-02	2.747-04	1.235-06	9.321-07	5.746-07	8.277-10	1.147-08
-1.2	6.381-01	7.392-03	2.928-02	2.757-04	1.903-06	1.753-06	8.853-07	5.995-10	1.238-08
-1.0	6.406-01	1.085-02	3.554-02	2.767-04	2.903-06	3.233-06	1.350-06	4.370-10	1.319-08
-.8	6.435-01	1.554-02	4.266-02	2.777-04	4.371-06	5.823-06	2.036-06	3.213-10	1.383-08
-.6	6.469-01	2.166-02	5.046-02	2.785-04	6.481-06	1.019-05	3.026-06	2.386-10	1.424-08
-.4	6.510-01	2.973-02	5.881-02	2.789-04	9.428-06	1.729-05	4.428-06	1.796-10	1.435-08
-.2	6.558-01	3.813-02	6.741-02	2.785-04	1.347-05	2.833-05	6.372-06	1.366-10	1.415-08
.0	6.612-01	4.802-02	7.596-02	2.771-04	1.882-05	4.488-05	9.014-06	1.054-10	1.364-08
.2	6.668-01	5.847-02	8.417-02	2.743-04	2.571-05	6.879-05	1.254-05	8.240-11	1.287-08
.4	6.726-01	6.900-02	9.182-02	2.696-04	3.437-05	1.024-04	1.719-05	6.527-11	1.193 08
.6	6.782-01	7.918-02	9.876-02	2.628-04	4.496-05	1.485-04	2.322-05	5.236-11	1.089-08
.8	6.834-01	8.869-02	1.049-01	2.538-04	5.762-05	2.110-04	3.099-05	4.252-11	9.822-09
1.0	6.882-01	9.727-02	1.102-01	2.420-04	7.238-05	2.955-04	4.083-05	3.497-11	8.752-09
1.2	6.925-01	1.049-01	1.147-01	2.279-04	8.922-05	4.103-04	5.356-05	2.914-11	7.843-09
1.4	6.963-01	1.114-01	1.185-01	2.115-04	1.080-04	5.698-04	6.956-05	2.465-11	7.001-09
1.6	6.995-01	1.170-01	1.216-01	1.931-04	1.286-04	7.996-04	8.873-05	2.123-11	6.289-09
1.8	7.024-01	1.217-01	1.240-01	1.728-04	1.506-04	1.151-03	1.151-04	1.872-11	5.721-09
2.0	7.048-01	1.255-01	1.258-01	1.510-04	1.739-04	1.738-03	1.467-04	1.704-11	5.319-09
2.2	7.071-01	1.284-01	1.269-01	1.281-04	1.982-04	2.839-03	1.858-04	1.625-11	5.122-09

T= 4600

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.548-26	5.357-05	6.197-09	6.982-12	1.651-04	.000+00	9.587-05	.000+00	1.119-07
-6.8	1.367-25	6.419-05	7.671-09	9.196-12	1.248-04	.000+00	7.387-05	.000+00	8.619-08
-6.6	2.901-25	7.643-05	9.149-09	1.232-11	9.257-05	.000+00	5.635-05	.000+00	6.575-08
-6.4	6.284-25	8.655-05	1.042-08	1.683-11	6.702-05	.000+00	4.248-05	.000+00	4.957-08
-6.2	1.391-24	9.661-05	1.123-08	2.352-11	4.720-05	.000+00	3.165-05	.000+00	3.694-08
-6.0	3.149-24	1.048-04	1.137-08	3.357-11	3.230-05	.000+00	2.333-05	.000+00	2.723-08
-5.8	7.250-24	1.104-04	1.078-08	4.880-11	2.169-05	.000+00	1.706-05	.000+00	1.991-08
-5.6	1.693-23	1.134-04	9.599-09	7.190-11	1.393-05	.000+00	1.240-05	.000+00	1.448-08
-5.4	3.983-23	1.140-04	8.084-09	1.068-10	8.832-06	.000+00	8.987-06	.000+00	1.050-08
-5.2	9.399-23	1.124-04	6.506-09	1.590-10	5.495-06	.000+00	6.502-06	.000+00	7.594-09
-5.0	2.216-22	1.090-04	5.057-09	2.366-10	3.364-06	.000+00	4.698-06	.000+00	5.489-09
-4.8	5.227-22	1.043-04	3.832-09	3.509-10	2.032-06	.000+00	3.390-06	.000+00	3.962-09
-4.6	1.217-21	9.763-05	2.852-09	5.178-10	1.213-06	.000+00	2.443-06	.000+00	2.856-09
-4.4	2.831-21	9.234-05	2.095-09	7.600-10	7.167-07	.000+00	1.758-06	.000+00	2.056-09
-4.2	6.543-21	8.571-05	1.525-09	1.109-09	4.200-07	.000+00	1.262-06	.000+00	1.477-09
-4.0	1.504-20	7.898-05	1.103-09	1.610-09	2.444-07	.000+00	9.046-07	.000+00	1.060-09
-3.8	3.440-20	7.233-05	7.943-10	2.324-09	1.414-07	.000+00	6.472-07	.000+00	7.589-10
-3.6	7.831-20	6.589-05	5.699-10	3.345-09	8.136-08	.000+00	4.622-07	.000+00	5.427-10
-3.4	1.775-19	5.977-05	4.079-10	4.791-09	4.664-08	.000+00	3.296-07	.000+00	3.876-10
-3.2	4.005-19	5.402-05	2.915-10	6.837-09	2.665-08	.000+00	2.347-07	.000+00	2.746-10
-3.0	9.004-19	4.867-05	2.080-10	9.724-09	1.519-08	.000+00	1.669-07	.000+00	1.972-10
-2.8	2.016-18	4.374-05	1.486-10	1.379-08	8.646-09	.000+00	1.185-07	.000+00	1.406-10
-2.6	4.496-18	3.922-05	1.058-10	1.949-08	4.914-09	.000+00	8.412-08	.000+00	1.002-10
-2.4	9.977-18	3.510-05	7.544-11	2.745-08	2.792-09	.000+00	5.963-08	.000+00	7.148-11
-2.2	2.202-17	3.135-05	5.385-11	3.853-08	1.586-09	.000+00	4.223-08	.000+00	5.102-11
-2.0	4.826-17	2.796-05	3.848-11	5.384-08	9.016-10	.000+00	2.989-08	.000+00	3.668-11
-1.8	1.049-16	2.488-05	2.755-11	7.482-08	5.133-10	.000+00	2.112-08	.000+00	2.613-11
-1.6	2.252-16	2.211-05	1.978-11	1.033-07	2.930-10	.000+00	1.490-08	.000+00	1.878-11
-1.4	4.765-16	1.960-05	1.426-11	1.417-07	1.679-10	.000+00	1.050-08	.000+00	1.356-11
-1.2	9.886-16	1.732-05	1.033-11	1.909-07	9.672-11	.000+00	7.382-09	.000+00	9.843-12
-1.0	2.001-15	1.527-05	7.527-12	2.542-07	5.610-11	.000+00	5.177-09	.000+00	7.200-12
-.8	3.924-15	1.341-05	5.528-12	3.323-07	3.283-11	.000+00	3.619-09	.000+00	5.315-12
-.6	7.417-15	1.173-05	4.099-12	4.249-07	1.942-11	.000+00	2.520-09	.000+00	3.947-12
-.4	1.344-14	1.021-05	3.063-12	5.292-07	1.163-11	.000+00	1.747-09	.000+00	2.937-12
-.2	2.327-14	8.844-06	2.312-12	6.411-07	7.091-12	.000+00	1.206-09	.000+00	2.296-12
.0	3.846-14	7.630-06	1.761-12	7.547-07	4.335-12	.000+00	8.285-10	.000+00	1.780-12
.2	6.076-14	6.559-06	1.351-12	8.634-07	2.701-12	.000+00	5.671-10	.000+00	1.399-12
.4	9.206-14	5.623-06	1.043-12	9.617-07	1.704-12	.000+00	3.871-10	.000+00	1.113-12
.6	1.344-13	4.817-06	8.093-13	1.049-06	1.089-12	.000+00	2.640-10	.000+00	8.959-13
.8	1.900-13	4.130-06	6.297-13	1.112-06	7.053-13	.000+00	1.801-10	.000+00	7.297-13
1.0	2.618-13	3.553-06	4.939-13	1.162-06	4.627-13	.000+00	1.233-10	.000+00	6.014-13
1.2	3.541-13	3.077-06	3.832-13	1.198-06	3.081-13	.000+00	8.492-11	.000+00	5.017-13
1.4	4.743-13	2.693-06	2.996-13	1.226-06	2.087-13	.000+00	5.910-11	.000+00	4.243-13
1.6	6.358-13	2.396-06	2.350-13	1.253-06	1.445-13	.000+00	4.178-11	.000+00	3.648-13
1.8	8.662-13	2.184-06	1.853-13	1.292-06	1.031-13	.000+00	3.026-11	.000+00	3.202-13
2.0	1.225-12	2.066-06	1.477-13	1.364-06	7.673-14	.000+00	2.274-11	.000+00	2.890-13
2.2	1.858-12	2.069-06	1.201-13	1.506-06	6.078-14	.000+00	1.809-11	.000+00	2.717-13

T= 4600

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	3.149-05	.000+00	1.653-16	7.672-01	2.134-01	4.755-03	1.277-04	1.527-05
-6.8	.000+00	2.459-05	.000+00	1.274-16	7.592-01	2.150-01	4.790-03	1.304-04	1.538-05
-6.6	.000+00	1.851-05	.000+00	9.716-17	7.450-01	2.173-01	4.841-03	1.300-04	1.555-05
-6.4	.000+00	1.330-05	.000+00	7.326-17	7.262-01	2.206-01	4.914-03	1.258-04	1.579-05
-6.2	.000+00	9.044-06	.000+00	5.458-17	7.005-01	2.251-01	5.014-03	1.171-04	1.611-05
-6.0	.000+00	5.778-06	.000+00	4.024-17	6.670-01	2.308-01	5.144-03	1.041-04	1.652-05
-5.8	.000+00	3.458-06	.000+00	2.942-17	6.256-01	2.380-01	5.304-03	8.788-05	1.704-05
-5.6	.000+00	1.943-06	.000+00	2.140-17	5.774-01	2.463-01	5.490-03	7.029-05	1.764-05
-5.4	.000+00	1.033-06	.000+00	1.551-17	5.240-01	2.555-01	5.697-03	5.349-05	1.830-05
-5.2	.000+00	5.245-07	.000+00	1.122-17	4.678-01	2.652-01	5.915-03	3.897-05	1.900-05
-5.0	.000+00	2.573-07	.000+00	8.111-18	4.110-01	2.750-01	6.134-03	2.744-05	1.970-05
-4.8	.000+00	1.231-07	.000+00	5.855-18	3.558-01	2.845-01	6.348-03	1.881-05	2.039-05
-4.6	.000+00	5.780-08	.000+00	4.221-18	3.039-01	2.934-01	6.549-03	1.264-05	2.103-05
-4.4	.000+00	2.681-08	.000+00	3.038-18	2.565-01	3.015-01	6.732-03	8.375-06	2.162-05
-4.2	.000+00	1.232-08	.000+00	2.183-18	2.143-01	3.086-01	6.896-03	5.488-06	2.215-05
-4.0	.000+00	5.628-09	.000+00	1.566-18	1.775-01	3.148-01	7.039-03	3.567-06	2.261-05
-3.8	.000+00	2.559-09	.000+00	1.121-18	1.458-01	3.200-01	7.163-03	2.305-06	2.301-05
-3.6	.000+00	1.160-09	.000+00	8.019-19	1.191-01	3.242-01	7.268-03	1.482-06	2.334-05
-3.4	.000+00	5.248-10	.000+00	5.728-19	9.677-02	3.276-01	7.356-03	9.502-07	2.363-05
-3.2	.000+00	2.371-10	.000+00	4.087-19	7.828-02	3.302-01	7.431-03	6.077-07	2.387-05
-3.0	.000+00	1.071-10	.000+00	2.914-19	6.310-02	3.321-01	7.493-03	3.880-07	2.407-05
-2.8	.000+00	4.834-11	.000+00	2.078-19	5.072-02	3.332-01	7.545-03	2.475-07	2.424-05
-2.6	.000+00	2.185-11	.000+00	1.481-19	4.068-02	3.337-01	7.590-03	1.579-07	2.438-05
-2.4	.000+00	9.892-12	.000+00	1.056-19	3.257-02	3.334-01	7.629-03	1.007-07	2.451-05
-2.2	.000+00	4.490-12	.000+00	7.540-20	2.604-02	3.323-01	7.665-03	6.435-08	2.462-05
-2.0	.000+00	2.046-12	.000+00	5.390-20	2.090-02	3.303-01	7.699-03	4.119-08	2.473-05
-1.8	.000+00	9.370-13	.000+00	3.862-20	1.660-02	3.272-01	7.733-03	2.645-08	2.484-05
-1.6	.000+00	4.323-13	.000+00	2.775-20	1.325-02	3.228-01	7.769-03	1.706-08	2.495-05
-1.4	.000+00	2.014-13	.000+00	2.003-20	1.057-02	3.168-01	7.810-03	1.107-08	2.509-05
-1.2	.000+00	9.504-14	.000+00	1.454-20	8.439-03	3.085-01	7.858-03	7.238-09	2.524-05
-1.0	.000+00	4.559-14	.000+00	1.064-20	6.741-03	2.980-01	7.915-03	4.781-09	2.542-05
-.8	.000+00	2.231-14	.000+00	7.851-21	5.389-03	2.844-01	7.984-03	3.197-09	2.565-05
-.6	.000+00	1.118-14	.000+00	5.858-21	4.314-03	2.682-01	8.066-03	2.168-09	2.591-05
-.4	.000+00	5.747-15	.000+00	4.424-21	3.457-03	2.489-01	8.160-03	1.493-09	2.621-05
-.2	.000+00	3.036-15	.000+00	3.384-21	2.773-03	2.272-01	8.265-03	1.044-09	2.655-05
.0	.000+00	1.647-15	.000+00	2.623-21	2.226-03	2.039-01	8.376-03	7.396-10	2.690-05
.2	.000+00	9.151-16	.000+00	2.058-21	1.787-03	1.798-01	8.491-03	5.302-10	2.727-05
.4	.000+00	5.196-16	.000+00	1.633-21	1.434-03	1.561-01	8.604-03	3.833-10	2.763-05
.6	.000+00	3.000-16	.000+00	1.310-21	1.149-03	1.335-01	8.711-03	2.784-10	2.798-05
.8	.000+00	1.756-16	.000+00	1.060-21	9.200-04	1.127-01	8.809-03	2.024-10	2.830-05
1.0	.000+00	1.038-16	.000+00	8.652-22	7.348-04	9.395-02	8.898-03	1.467-10	2.859-05
1.2	.000+00	6.180-17	.000+00	7.108-22	5.853-04	7.749-02	8.976-03	1.076-10	2.883-05
1.4	.000+00	3.691-17	.000+00	5.868-22	4.664-04	6.326-02	9.044-03	7.914-11	2.905-05
1.6	.000+00	2.206-17	.000+00	4.855-22	3.666-04	5.111-02	9.103-03	5.260-11	2.924-05
1.8	.000+00	1.317-17	.000+00	4.012-22	2.871-04	4.082-02	9.151-03	3.599-11	2.940-05
2.0	.000+00	7.834-18	.000+00	3.293-22	2.223-04	3.214-02	9.187-03	2.395-11	2.954-05
2.2	.000+00	4.638-18	.000+00	2.664-22	1.692-04	2.480-02	9.237-03	1.510-11	2.967-05

T= 4600

LOG D	E*	I	E/RT	H/RT	S/R	LOG P	Z*
-7.0	3.464-04	1.96438+00	2.43639+01	2.63253+01	7.63776+01	-5.49016+00	1.96438+00
-6.8	2.879-04	1.96947+00	2.40095+01	2.59595+01	7.51217+01	-5.28336+00	1.96997+00
-6.6	2.433-04	1.92923+00	2.35306+01	2.54299+01	7.37193+01	-5.08801+00	1.92923+00
-6.4	2.098-04	1.90050+00	2.27965+01	2.46971+01	7.21332+01	-4.89452+00	1.90050+00
-6.2	1.849-04	1.86267+00	2.18697+01	2.37324+01	7.03395+01	-4.70325+00	1.86267+00
-6.0	1.666-04	1.81568+00	2.07191+01	2.25348+01	6.83415+01	-4.51435+00	1.81568+00
-5.8	1.528-04	1.76095+00	1.93790+01	2.11399+01	6.61776+01	-4.32764+00	1.76095+00
-5.6	1.421-04	1.70113+00	1.79144+01	1.96155+01	6.39158+01	-4.14265+00	1.70113+00
-5.4	1.332-04	1.63949+00	1.64055+01	1.80450+01	6.16378+01	-3.95868+00	1.63947+00
-5.2	1.251-04	1.57916+00	1.49290+01	1.65081+01	5.94202+01	-3.77496+00	1.57916+00
-5.0	1.175-04	1.52259+00	1.35448+01	1.50674+01	5.73220+01	-3.59080+00	1.52259+00
-4.8	1.100-04	1.47137+00	1.22918+01	1.37631+01	5.53799+01	-3.40567+00	1.47137+00
-4.6	1.025-04	1.42626+00	1.11885+01	1.26148+01	5.36097+01	-3.21919+00	1.42626+00
-4.4	9.494-05	1.38737+00	1.02381+01	1.16255+01	5.20117+01	-3.03120+00	1.38737+00
-4.2	8.749-05	1.35461+00	9.43330+00	1.07877+01	5.05758+01	-2.84164+00	1.35461+00
-4.0	8.020-05	1.32683+00	8.76073+00	1.00876+01	4.92861+01	-2.65057+00	1.32683+00
-3.8	7.316-05	1.30396+00	8.20437+00	9.50834+00	4.81241+01	-2.45817+00	1.30396+00
-3.6	6.647-05	1.28513+00	7.74765+00	9.03778+00	4.70714+01	-2.26444+00	1.28513+00
-3.4	6.017-05	1.26966+00	7.37476+00	8.64442+00	4.61104+01	-2.06970+00	1.26966+00
-3.2	5.429-05	1.25698+00	7.07135+00	8.32833+00	4.52253+01	-1.87406+00	1.25698+00
-3.0	4.886-05	1.24653+00	6.82477+00	8.07130+00	4.44023+01	-1.67768+00	1.24653+00
-2.8	4.387-05	1.23786+00	6.62408+00	7.86193+00	4.36296+01	-1.48072+00	1.23786+00
-2.6	3.930-05	1.23056+00	6.45990+00	7.69044+00	4.28971+01	-1.28329+00	1.23056+00
-2.4	3.514-05	1.22421+00	6.32619+00	7.54861+00	4.21962+01	-1.08553+00	1.22421+00
-2.2	3.137-05	1.21854+00	6.20999+00	7.42853+00	4.15196+01	-8.87550-01	1.21853+00
-2.0	2.794-05	1.21320+00	6.11111+00	7.32431+00	4.08608+01	-6.89460-01	1.21318+00
-1.8	2.484-05	1.20788+00	6.02186+00	7.22974+00	4.02141+01	-4.91360-01	1.20785+00
-1.6	2.203-05	1.20226+00	5.93683+00	7.13909+00	3.95741+01	-2.93390-01	1.20221+00
-1.4	1.948-05	1.19599+00	5.85069+00	7.04668+00	3.89357+01	-9.56600-02	1.19592+00
-1.2	1.715-05	1.18873+00	5.75820+00	6.94693+00	3.82961+01	1.01690-01	1.18862+00
-1.0	1.503-05	1.18017+00	5.65450+00	6.83467+00	3.76449+01	2.98560-01	1.18000+00
-.8	1.309-05	1.17007+00	5.53571+00	6.70578+00	3.69849+01	4.94820-01	1.16981+00
-.6	1.132-05	1.15838+00	5.39980+00	6.55818+00	3.63127+01	6.90440-01	1.15797+00
-.4	9.694-06	1.14525+00	5.24743+00	6.39269+00	3.56299+01	8.85510-01	1.14461+00
-.2	8.217-06	1.13112+00	5.08221+00	6.21333+00	3.49405+01	1.08012+00	1.13011+00
.0	6.890-06	1.11661+00	4.91088+00	6.02669+00	3.42508+01	1.27451+00	1.11504+00
.2	5.709-06	1.10246+00	4.73802+00	5.84049+00	3.35679+01	1.46898+00	1.10001+00
.4	4.674-06	1.08944+00	4.57266+00	5.66210+00	3.28979+01	1.66381+00	1.08560+00
.6	3.783-06	1.07826+00	4.41916+00	5.49742+00	3.22453+01	1.85933+00	1.07224+00
.8	3.028-06	1.06964+00	4.28087+00	5.35051+00	3.16126+01	2.05585+00	1.06022+00
1.0	2.400-06	1.06442+00	4.15930+00	5.22372+00	3.09998+01	2.25372+00	1.04964+00
1.2	1.897-06	1.06370+00	4.05459+00	5.11829+00	3.04053+01	2.45343+00	1.04050+00
1.4	1.496-06	1.06916+00	3.96593+00	5.03509+00	2.98258+01	2.65565+00	1.03269+00
1.6	1.169-06	1.08365+00	3.89197+00	4.97543+00	2.92566+01	2.86142+00	1.02605+00
1.8	8.970-07	1.11040+00	3.83127+00	4.94207+00	2.86913+01	3.07225+00	1.02042+00
2.0	7.067-07	1.15790+00	3.78252+00	4.94042+00	2.81211+01	3.29028+00	1.01556+00
2.2	5.679-07	1.23518+00	3.74486+00	4.98004+00	2.75338+01	3.51834+00	1.01116+00

T= 4700

LOG C	N2	O2	NO	CO	CO2	NO2	H2O	N2+	O2+
-7.0	8.359-03	7.065-09	3.443-06	4.669-06	4.454-14	3.202-16	1.945-14	2.494-07	3.082-10
-6.8	1.304-02	1.125-08	5.418-06	7.723-06	1.168-13	7.987-16	4.794-14	3.007-07	3.806-10
-6.6	2.008-02	1.796-08	8.492-06	1.255-05	3.000-13	1.986-15	1.170-13	3.555-07	4.665-10
-6.4	3.047-02	2.876-08	1.324-05	1.995-05	7.579-13	4.902-15	2.813-13	4.092-07	5.666-10
-6.2	4.534-02	4.623-08	2.047-05	3.085-05	1.857-12	1.201-14	6.633-13	4.548-07	6.805-10
-6.0	6.576-02	7.469-08	3.134-05	4.809-05	4.394-12	2.915-14	1.525-12	4.847-07	8.078-10
-5.8	9.251-02	1.213-07	4.737-05	6.980-05	9.947-12	6.982-14	3.399-12	4.929-07	9.485-10
-5.6	1.257-01	1.981-07	7.056-05	8.936-05	2.141-11	1.648-13	7.320-12	4.774-07	1.104-09
-5.4	1.647-01	3.247-07	1.034-04	1.150-04	4.366-11	3.827-13	1.520-11	4.413-07	1.276-09
-5.2	2.082-01	5.337-07	1.491-04	1.406-04	8.457-11	8.741-13	3.044-11	3.908-07	1.470-09
-5.0	2.563-01	8.777-07	2.113-04	1.642-04	1.565-10	1.983-12	5.891-11	3.333-07	1.688-09
-4.8	3.011-01	1.442-06	2.947-04	1.848-04	2.791-10	4.338-12	1.105-10	2.754-07	1.935-09
-4.6	3.468-01	2.364-06	4.049-04	2.020-04	4.834-10	9.444-12	2.016-10	2.214-07	2.215-09
-4.4	3.898-01	3.864-06	5.488-04	2.161-04	8.192-10	2.028-11	3.591-10	1.740-07	2.531-09
-4.2	4.293-01	6.292-06	7.349-04	2.275-04	1.366-09	4.301-11	6.265-10	1.342-07	2.866-09
-4.0	4.646-01	1.020-05	9.737-04	2.367-04	2.251-09	9.025-11	1.074-09	1.019-07	3.284-09
-3.8	4.954-01	1.649-05	1.278-03	2.441-04	3.674-09	1.876-10	1.813-09	7.636-08	3.728-09
-3.6	5.219-01	2.659-05	1.664-03	2.499-04	5.957-09	3.867-10	3.024-09	5.662-08	4.224-09
-3.4	5.444-01	4.256-05	2.152-03	2.547-04	9.606-09	7.915-10	4.990-09	4.162-08	4.775-09
-3.2	5.631-01	6.804-05	2.768-03	2.585-04	1.542-08	1.610-09	8.186-09	3.039-08	5.387-09
-3.0	5.786-01	1.084-04	3.542-03	2.616-04	2.467-08	3.257-09	1.326-08	2.206-08	6.066-09
-2.8	5.913-01	1.722-04	4.513-03	2.641-04	3.935-08	6.556-09	2.142-08	1.595-08	6.815-09
-2.6	6.015-01	2.727-04	5.727-03	2.662-04	6.240-08	1.313-08	3.439-08	1.149-08	7.641-09
-2.4	6.099-01	4.302-04	7.244-03	2.679-04	9.932-08	2.618-08	5.497-08	8.259-09	8.568-09
-2.2	6.166-01	6.761-04	9.130-03	2.693-04	1.572-07	5.194-08	8.746-08	5.928-09	9.536-09
-2.0	5.220-01	1.057-03	1.147-02	2.706-04	2.480-07	1.025-07	1.385-07	4.252-09	1.061-08
-1.8	6.263-01	1.644-03	1.435-02	2.718-04	3.901-07	2.007-07	2.184-07	3.051-09	1.175-08
-1.6	6.298-01	2.535-03	1.787-02	2.729-04	6.109-07	3.900-07	3.426-07	2.192-09	1.294-08
-1.4	6.328-01	3.872-03	2.213-02	2.740-04	9.518-07	7.497-07	5.342-07	1.578-09	1.417-08
-1.2	6.354-01	5.837-03	2.723-02	2.751-04	1.473-06	1.422-06	8.268-07	1.141-09	1.538-08
-1.0	6.380-01	8.694-03	3.323-02	2.762-04	2.259-06	2.650-06	1.269-06	8.293-10	1.651-08
-.8	6.407-01	1.256-02	4.012-02	2.773-04	3.427-06	4.836-06	1.924-06	6.073-10	1.747-08
-.6	6.438-01	1.778-02	4.786-02	2.783-04	5.126-06	8.599-06	2.832-06	4.489-10	1.819-08
-.4	6.476-01	2.442-02	5.623-02	2.790-04	7.542-06	1.484-05	4.253-06	3.356-10	1.857-08
-.2	6.519-01	3.245-02	6.503-02	2.791-04	1.089-05	2.478-05	6.176-06	2.541-10	1.855-08
.0	6.569-01	4.165-02	7.396-02	2.784-04	1.539-05	4.000-05	8.817-06	1.950-10	1.814-08
.2	6.623-01	5.166-02	8.270-02	2.765-04	2.130-05	6.244-05	1.238-05	1.519-10	1.736-08
.4	6.679-01	6.201-02	9.098-02	2.730-04	2.884-05	9.449-05	1.710-05	1.197-10	1.630-08
.6	6.734-01	7.224-02	9.860-02	2.676-04	3.822-05	1.391-04	2.328-05	9.575-11	1.506-08
.8	6.788-01	8.198-02	1.054-01	2.599-04	4.959-05	2.003-04	3.127-05	7.759-11	1.373-08
1.0	6.833-01	9.094-02	1.114-01	2.497-04	6.308-05	2.836-04	4.152-05	6.371-11	1.241-08
1.2	6.882-01	9.897-02	1.166-01	2.371-04	7.871-05	3.975-04	5.459-05	5.306-11	1.116-08
1.4	6.922-01	1.060-01	1.209-01	2.219-04	9.645-05	5.562-04	7.117-05	4.499-11	1.006-08
1.6	6.957-01	1.121-01	1.245-01	2.044-04	1.162-04	7.855-04	9.210-05	3.869-11	9.082-09
1.8	6.988-01	1.172-01	1.273-01	1.848-04	1.378-04	1.137-03	1.184-04	3.416-11	8.314-09
2.0	7.014-01	1.214-01	1.295-01	1.632-04	1.611-04	1.723-03	1.513-04	3.116-11	7.779-09
2.2	7.039-01	1.246-01	1.308-01	1.400-04	1.859-04	2.824-03	1.920-04	2.980-11	7.539-09

T= 4700

LOG C	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	9.125-26	4.544-05	5.037-09	8.893-12	2.629-04	.CCC+00	1.431-04	.000+00	1.880-07
-6.8	1.876-25	5.544-05	6.441-09	1.152-11	2.624-04	.CCC+00	1.115-04	.000+00	1.464-07
-6.6	3.895-25	6.675-05	8.063-09	1.511-11	1.537-04	.CCC+00	8.626-05	.000+00	1.133-07
-6.4	8.222-25	7.892-05	9.724-09	2.013-11	1.147-04	.CCC+00	6.610-05	.000+00	8.679-08
-6.2	1.769-24	9.118-05	1.123-08	2.733-11	8.360-05	.CCC+00	5.009-05	.000+00	6.578-08
-6.0	3.891-24	1.026-04	1.232-08	3.792-11	5.933-05	.CCC+00	3.752-05	.000+00	4.928-08
-5.8	8.744-24	1.121-04	1.272-08	5.378-11	4.091-05	.CCC+00	2.780-05	.000+00	3.651-08
-5.6	2.003-23	1.190-04	1.232-08	7.774-11	2.741-05	.CCC+00	2.042-05	.000+00	2.682-08
-5.4	4.655-23	1.230-04	1.118-08	1.140-10	1.788-05	.CCC+00	1.490-05	.000+00	1.957-08
-5.2	1.092-22	1.242-04	9.577-09	1.688-10	1.140-05	.CCC+00	1.083-05	.000+00	1.423-08
-5.0	2.572-22	1.229-04	7.811-09	2.509-10	7.119-06	.CCC+00	7.847-06	.000+00	1.032-08
-4.8	6.056-22	1.196-04	6.133-09	3.729-10	4.373-06	.CCC+00	5.678-06	.000+00	7.466-09
-4.6	1.422-21	1.148-04	4.681-09	5.528-10	2.648-06	.CCC+00	4.102-06	.000+00	5.396-09
-4.4	3.325-21	1.088-04	3.501-09	8.158-10	1.584-06	.CCC+00	2.959-06	.000+00	3.894-09
-4.2	7.732-21	1.020-04	2.581-09	1.197-09	9.377-07	.CCC+00	2.130-06	.000+00	2.805-09
-4.0	1.788-20	9.480-05	1.884-09	1.748-09	5.503-07	.CCC+00	1.530-06	.000+00	2.016-09
-3.8	4.110-20	8.745-05	1.365-09	2.538-09	3.206-07	.CCC+00	1.097-06	.000+00	1.447-09
-3.6	9.401-20	8.015-05	9.840-10	3.667-09	1.854-07	.CCC+00	7.853-07	.000+00	1.037-09
-3.4	2.140-19	7.307-05	7.067-10	5.275-09	1.069-07	.CCC+00	5.610-07	.000+00	7.419-10
-3.2	4.847-19	6.631-05	5.062-10	7.554-09	6.134-08	.CCC+00	4.001-07	.000+00	5.301-10
-3.0	1.093-18	5.995-05	3.620-10	1.078-08	3.508-08	.CCC+00	2.845-07	.000+00	3.795-10
-2.8	2.456-18	5.403-05	2.586-10	1.533-08	2.001-08	.000+00	2.027-07	.000+00	2.700-10
-2.6	5.474-18	4.856-05	1.845-10	2.172-08	1.140-08	.CCC+00	1.440-07	.000+00	1.926-10
-2.4	1.223-17	4.355-05	1.316-10	3.067-08	6.482-09	.CCC+00	1.022-07	.000+00	1.374-10
-2.2	2.708-17	3.897-05	9.387-11	4.314-08	3.686-09	.CCC+00	7.241-08	.000+00	9.809-11
-2.0	5.960-17	3.480-05	6.714-11	6.047-08	2.096-09	.CCC+00	5.128-08	.000+00	7.010-11
-1.8	1.301-16	3.103-05	4.805-11	8.430-08	1.193-09	.CCC+00	3.627-08	.000+00	5.019-11
-1.6	2.812-16	2.760-05	3.447-11	1.168-07	6.806-10	.CCC+00	2.562-08	.000+00	3.602-11
-1.4	5.998-16	2.451-05	2.480-11	1.604-07	3.894-10	.CCC+00	1.808-08	.000+00	2.595-11
-1.2	1.258-15	2.171-05	1.793-11	2.184-07	2.238-10	.CCC+00	1.273-08	.000+00	1.879-11
-1.0	2.579-15	1.918-05	1.303-11	2.932-07	1.294-10	.CCC+00	8.944-09	.000+00	1.370-11
-.8	5.144-15	1.688-05	9.539-12	3.870-07	7.542-11	.CCC+00	6.267-09	.000+00	1.007-11
-.6	9.918-15	1.481-05	7.041-12	5.006-07	4.439-11	.000+00	4.377-09	.000+00	7.477-12
-.4	1.838-14	1.294-05	5.247-12	6.320-07	2.643-11	.CCC+00	3.046-09	.000+00	5.619-12
-.2	3.259-14	1.128-05	3.949-12	7.767-07	1.594-11	.000+00	2.111-09	.000+00	4.278-12
.0	5.518-14	9.756-06	3.000-12	9.276-07	9.749-12	.CCC+00	1.457-09	.000+00	3.301-12
.2	8.922-14	8.423-06	2.300-12	1.076-06	6.045-12	.000+00	1.002-09	.000+00	2.582-12
.4	1.381-13	7.255-06	1.777-12	1.214-06	3.800-12	.CCC+00	6.871-10	.000+00	2.047-12
.6	2.054-13	6.241-06	1.381-12	1.335-06	2.422-12	.CCC+00	4.707-10	.000+00	1.644-12
.8	2.951-13	5.374-06	1.079-12	1.434-06	1.565-12	.CCC+00	3.226-10	.000+00	1.337-12
1.0	4.121-13	4.642-06	8.457-13	1.511-06	1.025-12	.000+00	2.217-10	.000+00	1.100-12
1.2	5.637-13	4.034-06	6.768-13	1.569-06	6.818-13	.000+00	1.533-10	.000+00	9.179-13
1.4	7.618-13	3.542-06	5.242-13	1.614-06	4.617-13	.000+00	1.070-10	.000+00	7.766-13
1.6	1.029-12	3.160-06	4.150-13	1.656-06	3.197-13	.CCC+00	7.586-11	.000+00	6.682-13
1.8	1.409-12	2.888-06	3.308-13	1.714-06	2.280-13	.CCC+00	5.507-11	.000+00	5.876-13
2.0	2.002-12	2.738-06	2.669-13	1.814-06	1.696-13	.CCC+00	4.144-11	.000+00	5.314-13
2.2	3.044-12	2.746-06	2.200-13	2.005-06	1.342-13	.CCC+00	3.296-11	.000+00	5.012-13

T= 4700

LOG P	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.000+00	3.993-05	.000+00	3.790-16	7.735-01	2.122-01	4.728-03	1.225-04	1.519-05
-6.8	.000+00	3.231-05	.000+00	2.953-16	7.680-01	2.132-01	4.751-03	1.278-04	1.526-05
-6.6	.000+00	2.544-05	.000+00	2.284-16	7.596-01	2.147-01	4.784-03	1.310-04	1.537-05
-6.4	.000+00	1.936-05	.000+00	1.750-16	7.470-01	2.170-01	4.833-03	1.315-04	1.552-05
-6.2	.000+00	1.411-05	.000+00	1.326-16	7.290-01	2.201-01	4.903-03	1.283-04	1.571-05
-6.0	.000+00	9.766-06	.000+00	9.937-17	7.042-01	2.244-01	5.000-03	1.208-04	1.606-05
-5.8	.000+00	6.364-06	.000+00	7.363-17	6.718-01	2.300-01	5.125-03	1.089-04	1.646-05
-5.6	.000+00	3.888-06	.000+00	5.408-17	6.314-01	2.370-01	5.281-03	9.335-05	1.696-05
-5.4	.000+00	2.227-06	.000+00	3.947-17	5.840-01	2.451-01	5.465-03	7.583-05	1.755-05
-5.2	.000+00	1.204-06	.000+00	2.869-17	5.312-01	2.543-01	5.669-03	5.850-05	1.821-05
-5.0	.000+00	6.199-07	.000+00	2.080-17	4.752-01	2.639-01	5.886-03	4.312-05	1.891-05
-4.8	.000+00	3.071-07	.000+00	1.506-17	4.183-01	2.737-01	6.106-03	3.063-05	1.961-05
-4.6	.000+00	1.480-07	.000+00	1.088-17	3.628-01	2.832-01	6.321-03	2.113-05	2.030-05
-4.4	.000+00	6.984-08	.000+00	7.851-18	3.104-01	2.922-01	6.524-03	1.427-05	2.095-05
-4.2	.000+00	3.252-08	.000+00	5.655-18	2.624-01	3.003-01	6.710-03	9.485-06	2.155-05
-4.0	.000+00	1.498-08	.000+00	4.066-18	2.195-01	3.076-01	6.876-03	6.230-06	2.209-05
-3.8	.000+00	6.857-09	.000+00	2.918-18	1.820-01	3.138-01	7.023-03	4.057-06	2.256-05
-3.6	.000+00	3.122-09	.000+00	2.091-18	1.497-01	3.191-01	7.149-03	2.625-06	2.296-05
-3.4	.000+00	1.417-09	.000+00	1.496-18	1.223-01	3.234-01	7.256-03	1.690-06	2.331-05
-3.2	.000+00	6.417-10	.000+00	1.069-18	9.945-02	3.269-01	7.347-03	1.084-06	2.360-05
-3.0	.000+00	2.902-10	.000+00	7.632-19	8.049-02	3.294-01	7.424-03	6.940-07	2.385-05
-2.8	.000+00	1.312-10	.000+00	5.445-19	6.492-02	3.312-01	7.488-03	4.435-07	2.405-05
-2.6	.000+00	5.931-11	.000+00	3.884-19	5.220-02	3.323-01	7.543-03	2.832-07	2.423-05
-2.4	.000+00	2.685-11	.000+00	2.771-19	4.188-02	3.325-01	7.590-03	1.808-07	2.438-05
-2.2	.000+00	1.218-11	.000+00	1.978-19	3.354-02	3.320-01	7.631-03	1.155-07	2.451-05
-2.0	.000+00	5.540-12	.000+00	1.414-19	2.692-02	3.306-01	7.669-03	7.191-08	2.463-05
-1.8	.000+00	2.532-12	.000+00	1.012-19	2.143-02	3.282-01	7.706-03	4.740-08	2.475-05
-1.6	.000+00	1.164-12	.000+00	7.264-20	1.711-02	3.246-01	7.743-03	3.051-08	2.487-05
-1.4	.000+00	5.359-13	.000+00	5.233-20	1.366-02	3.194-01	7.783-03	1.974-08	2.500-05
-1.2	.000+00	2.532-13	.000+00	3.789-20	1.090-02	3.125-01	7.828-03	1.286-08	2.514-05
-1.0	.000+00	1.205-13	.000+00	2.762-20	8.708-03	3.032-01	7.882-03	8.451-09	2.532-05
-.8	.000+00	5.836-14	.000+00	2.030-20	6.960-03	2.914-01	7.945-03	5.616-09	2.552-05
-.6	.000+00	2.890-14	.000+00	1.507-20	5.568-03	2.766-01	8.021-03	3.780-09	2.576-05
-.4	.000+00	1.467-14	.000+00	1.132-20	4.459-03	2.589-01	8.109-03	2.582-09	2.605-05
-.2	.000+00	7.654-15	.000+00	8.610-21	3.575-03	2.384-01	8.208-03	1.791-09	2.637-05
.0	.000+00	4.102-15	.000+00	6.638-21	2.868-03	2.159-01	8.317-03	1.260-09	2.671-05
.2	.000+00	2.257-15	.000+00	5.184-21	2.302-03	1.922-01	8.430-03	8.984-10	2.708-05
.4	.000+00	1.271-15	.000+00	4.100-21	1.847-03	1.683-01	8.545-03	6.469-10	2.744-05
.6	.000+00	7.302-16	.000+00	3.279-21	1.481-03	1.451-01	8.655-03	4.689-10	2.780-05
.8	.000+00	4.264-16	.000+00	2.650-21	1.186-03	1.233-01	8.759-03	3.409-10	2.813-05
1.0	.000+00	2.522-16	.000+00	2.160-21	9.478-04	1.034-01	8.853-03	2.475-10	2.844-05
1.2	.000+00	1.505-16	.000+00	1.774-21	7.553-04	8.573-02	8.937-03	1.788-10	2.871-05
1.4	.000+00	9.029-17	.000+00	1.465-21	5.996-04	7.029-02	9.011-03	1.279-10	2.894-05
1.6	.000+00	5.434-17	.000+00	1.214-21	4.736-04	5.700-02	9.075-03	9.011-11	2.915-05
1.8	.000+00	3.271-17	.000+00	1.004-21	3.711-04	4.566-02	9.130-03	6.212-11	2.933-05
2.0	.000+00	1.966-17	.000+00	8.263-22	2.875-04	3.604-02	9.178-03	4.151-11	2.948-05
2.2	.000+00	1.178-17	.000+00	6.708-22	2.189-04	2.787-02	9.222-03	2.653-11	2.962-05

T= 4700

LOG P	E-	I	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.918-04	1.97525+00	2.41823+01	2.61576+01	7.67182+01	-5.46343+00	1.97525+00
-6.8	4.021-04	1.96597+00	2.39576+01	2.59236+01	7.55858+01	-5.27047+00	1.96597+00
-6.6	3.326-04	1.95223+00	2.36268+01	2.55790+01	7.43526+01	-5.07352+00	1.95223+00
-6.4	2.795-04	1.93240+00	2.31503+01	2.50827+01	7.29814+01	-4.87795+00	1.93240+00
-6.2	2.395-04	1.90479+00	2.24877+01	2.43925+01	7.14349+01	-4.68420+00	1.90479+00
-6.0	2.097-04	1.86816+00	2.16094+01	2.34775+01	6.96875+01	-4.49263+00	1.86816+00
-5.8	1.877-04	1.82231+00	2.05113+01	2.23327+01	6.77384+01	-4.30343+00	1.82231+00
-5.6	1.712-04	1.76845+00	1.92196+01	2.09881+01	6.56207+01	-4.11646+00	1.76845+00
-5.4	1.585-04	1.70910+00	1.77977+01	1.95068+01	6.33979+01	-3.93128+00	1.70910+00
-5.2	1.480-04	1.64750+00	1.63219+01	1.79694+01	6.11493+01	-3.74722+00	1.64750+00
-5.0	1.389-04	1.58683+00	1.48687+01	1.64556+01	5.89515+01	-3.56352+00	1.58683+00
-4.8	1.303-04	1.52965+00	1.34995+01	1.50292+01	5.68649+01	-3.37945+00	1.52965+00
-4.6	1.219-04	1.47766+00	1.22549+01	1.37325+01	5.49280+01	-3.19447+00	1.47766+00
-4.4	1.136-04	1.43172+00	1.11554+01	1.25871+01	5.31589+01	-3.00819+00	1.43172+00
-4.2	1.052-04	1.39201+00	1.02058+01	1.15978+01	5.15593+01	-2.82041+00	1.39201+00
-4.0	9.700-05	1.35827+00	9.39996+00	1.07582+01	5.01205+01	-2.63106+00	1.35827+00
-3.8	8.895-05	1.32999+00	8.72543+00	1.00554+01	4.88272+01	-2.44020+00	1.32999+00
-3.6	8.119-05	1.30651+00	8.16667+00	9.47318+00	4.76615+01	-2.24794+00	1.30651+00
-3.4	7.378-05	1.28713+00	7.70743+00	8.99456+00	4.66052+01	-2.05442+00	1.28713+00
-3.2	6.680-05	1.27120+00	7.33206+00	8.60326+00	4.56409+01	-1.85983+00	1.27120+00
-3.0	6.029-05	1.25810+00	7.02627+00	8.28437+00	4.47528+01	-1.66433+00	1.25810+00
-2.8	5.426-05	1.24728+00	6.77740+00	8.02468+00	4.39272+01	-1.46808+00	1.24728+00
-2.6	4.872-05	1.23826+00	6.57447+00	7.81273+00	4.31520+01	-1.27124+00	1.23826+00
-2.4	4.364-05	1.23061+00	6.40801+00	7.63861+00	4.24171+01	-1.07393+00	1.23060+00
-2.2	3.902-05	1.22394+00	6.26987+00	7.49380+00	4.17138+01	-8.76290-01	1.22392+00
-2.0	3.481-05	1.21781+00	6.15294+00	7.37083+00	4.10345+01	-6.78440-01	1.21787+00
-1.8	3.099-05	1.21214+00	6.05086+00	7.26300+00	4.03730+01	-4.80500-01	1.21211+00
-1.6	2.753-05	1.20633+00	5.95777+00	7.16410+00	3.97231+01	-2.82580-01	1.20629+00
-1.4	2.438-05	1.20014+00	5.86807+00	7.06820+00	3.90792+01	-8.48200-02	1.20007+00
-1.2	2.152-05	1.19320+00	5.77632+00	6.96951+00	3.84364+01	1.12660-01	1.19309+00
-1.0	1.891-05	1.18519+00	5.67733+00	6.86251+00	3.77897+01	3.09730-01	1.18501+00
-.8	1.652-05	1.17579+00	5.56657+00	6.74736+00	3.71353+01	5.06280-01	1.17553+00
-.6	1.433-05	1.16487+00	5.44086+00	6.60573+00	3.64705+01	7.02230-01	1.16446+00
-.4	1.233-05	1.15244+00	5.29924+00	6.45171+00	3.57953+01	8.97580-01	1.15182+00
-.2	1.050-05	1.13886+00	5.14353+00	6.28239+00	3.51120+01	1.09242+00	1.13785+00
.0	8.848-06	1.12459+00	4.97822+00	6.10281+00	3.44255+01	1.28695+00	1.12301+00
.2	7.366-06	1.11036+00	4.80958+00	5.91994+00	3.37422+01	1.48142+00	1.10789+00
.4	6.058-06	1.09639+00	4.64425+00	5.74121+00	3.30687+01	1.67616+00	1.09310+00
.6	4.922-06	1.08519+00	4.48801+00	5.57326+00	3.24101+01	1.87146+00	1.07914+00
.8	3.954-06	1.07535+00	4.34505+00	5.42085+00	3.17697+01	2.06770+00	1.06639+00
1.0	3.144-06	1.06744+00	4.21773+00	5.28757+00	3.11495+01	2.26527+00	1.05502+00
1.2	2.477-06	1.06235+00	4.10688+00	5.17523+00	3.05455+01	2.46467+00	1.04509+00
1.4	1.939-06	1.05904+00	4.01217+00	5.08526+00	2.99580+01	2.66659+00	1.03653+00
1.6	1.513-06	1.05671+00	3.93258+00	5.01929+00	2.93815+01	2.87207+00	1.02923+00
1.8	1.182-06	1.05466+00	3.86680+00	4.98025+00	2.88097+01	3.08243+00	1.02300+00
2.0	9.320-07	1.05231+00	3.81356+00	4.97358+00	2.82339+01	3.30041+00	1.01761+00
2.2	7.469-07	1.23677+00	3.77204+00	5.00881+00	2.76419+01	3.52824+00	1.01277+00

T= 4800

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	5.158-03	5.462-09	2.485-06	2.490-06	1.836-14	1.976-16	1.138-14	2.496-07	3.217-10
-6.8	8.080-03	8.687-09	3.922-06	4.188-06	4.896-14	4.594-16	2.750-14	3.059-07	4.002-10
-6.6	1.259-02	1.383-08	6.174-06	6.940-06	1.286-13	1.246-15	6.784-14	3.700-07	4.956-10
-6.4	1.937-02	2.208-08	9.681-06	1.131-05	3.320-13	3.097-15	1.657-13	4.193-07	6.092-10
-6.2	2.944-02	3.534-08	1.510-05	1.805-05	8.403-13	7.655-15	3.990-13	5.084-07	7.427-10
-6.0	4.388-02	5.679-08	2.337-05	2.809-05	2.072-12	1.878-14	9.427-13	5.690-07	8.960-10
-5.8	6.391-02	9.171-08	3.581-05	4.229-05	4.944-12	4.560-14	2.172-12	6.110-07	1.069-09
-5.6	9.001-02	1.489-07	5.420-05	6.108-05	1.132-11	1.094-13	4.855-12	6.263-07	1.261-09
-5.4	1.227-01	2.430-07	8.083-05	8.400-05	2.466-11	2.584-13	1.049-11	6.113-07	1.474-09
-5.2	1.613-01	3.982-07	1.186-04	1.098-04	5.094-11	6.010-13	2.184-11	5.699-07	1.710-09
-5.0	2.044-01	6.543-07	1.712-04	1.355-04	9.984-11	1.374-12	4.387-11	5.068-07	1.976-09
-4.8	2.504-01	1.076-06	2.430-04	1.598-04	1.866-10	3.091-12	8.514-11	4.344-07	2.272-09
-4.6	2.972-01	1.768-06	3.394-04	1.817-04	3.353-10	6.839-12	1.601-10	3.603-07	2.609-09
-4.4	3.430-01	2.869-06	4.668-04	1.993-04	5.841-10	1.490-11	2.928-10	2.906-07	2.989-09
-4.2	3.863-01	4.739-06	6.334-04	2.141-04	9.939-10	3.203-11	5.224-10	2.239-07	3.418-09
-4.0	4.261-01	7.717-06	8.489-04	2.260-04	1.662-09	6.800-11	9.125-10	1.769-07	3.900-09
-3.8	4.618-01	1.252-05	1.126-03	2.354-04	2.743-09	1.428-10	1.566-09	1.365-07	4.439-09
-3.6	4.930-01	2.022-05	1.478-03	2.432-04	4.484-09	2.948-10	2.647-09	1.010-07	5.041-09
-3.4	5.198-01	3.255-05	1.926-03	2.493-04	7.276-09	6.121-10	4.417-09	7.495-08	5.712-09
-3.2	5.426-01	5.220-05	2.491-03	2.542-04	1.174-08	1.273-09	7.294-09	5.515-08	6.457-09
-3.0	5.616-01	8.341-05	3.204-03	2.582-04	1.845-08	2.549-09	1.194-08	4.030-08	7.284-09
-2.8	5.773-01	1.328-04	4.100-03	2.614-04	3.016-08	5.152-09	1.940-08	2.928-08	8.198-09
-2.6	5.902-01	2.108-04	5.222-03	2.640-04	4.869-08	1.036-08	3.131-08	2.118-08	9.207-09
-2.4	6.007-01	3.334-04	6.625-03	2.661-04	7.646-08	2.074-08	5.026-08	1.527-08	1.032-08
-2.2	6.091-01	5.252-04	8.374-03	2.679-04	1.212-07	4.128-08	8.028-08	1.099-08	1.153-08
-2.0	6.159-01	8.237-04	1.054-02	2.694-04	1.917-07	8.171-08	1.276-07	7.843-09	1.285-08
-1.8	6.214-01	1.285-03	1.323-02	2.708-04	3.021-07	1.607-07	2.019-07	5.668-09	1.426-08
-1.6	6.258-01	1.990-03	1.652-02	2.721-04	4.743-07	3.137-07	3.177-07	4.073-09	1.576-08
-1.4	6.294-01	3.054-03	2.053-02	2.732-04	7.411-07	6.065-07	4.971-07	2.932-09	1.731-08
-1.2	6.324-01	4.636-03	2.535-02	2.744-04	1.151-06	1.158-06	7.725-07	2.117-09	1.888-08
-1.0	6.352-01	6.933-03	3.107-02	2.756-04	1.774-06	2.179-06	1.191-06	1.535-09	2.039-08
-.8	6.380-01	1.018-02	3.772-02	2.768-04	2.707-06	4.021-06	1.817-06	1.121-09	2.175-08
-.6	6.410-01	1.459-02	4.528-02	2.779-04	4.080-06	7.248-06	2.740-06	8.251-10	2.296-08
-.4	6.444-01	2.036-02	5.362-02	2.788-04	6.057-06	1.271-05	4.075-06	6.139-10	2.380-08
-.2	6.484-01	2.753-02	6.254-02	2.794-04	8.835-06	2.159-05	5.967-06	4.623-10	2.388-08
.0	6.529-01	3.598-02	7.174-02	2.792-04	1.263-05	3.548-05	8.593-06	3.530-10	2.347-08
.2	6.580-01	4.542-02	8.093-02	2.781-04	1.769-05	5.638-05	1.217-05	2.734-10	2.294-08
.4	6.634-01	5.546-02	8.977-02	2.756-04	2.424-05	8.676-05	1.695-05	2.148-10	2.196-08
.6	6.689-01	6.561-02	9.804-02	2.713-04	3.252-05	1.297-04	2.324-05	1.712-10	2.042-08
.8	6.743-01	7.548-02	1.056-01	2.649-04	4.270-05	1.893-04	3.143-05	1.383-10	1.842-08
1.0	6.794-01	8.472-02	1.122-01	2.562-04	5.496-05	2.711-04	4.198-05	1.136-10	1.718-08
1.2	6.840-01	9.313-02	1.180-01	2.449-04	6.939-05	3.837-04	5.546-05	9.458-11	1.559-08
1.4	6.882-01	1.006-01	1.229-01	2.311-04	8.603-05	5.412-04	7.260-05	7.943-11	1.414-08
1.6	6.919-01	1.071-01	1.270-01	2.147-04	1.049-04	7.696-04	9.428-05	6.885-11	1.298-08
1.8	6.952-01	1.126-01	1.303-01	1.959-04	1.258-04	1.120-03	1.215-04	6.005-11	1.187-08
2.0	6.981-01	1.172-01	1.329-01	1.747-04	1.489-04	1.705-03	1.557-04	5.562-11	1.117-08
2.2	7.007-01	1.208-01	1.345-01	1.515-04	1.738-04	2.805-03	1.979-04	5.335-11	1.090-08

T= 4800

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.273-25	3.817-05	4.000-09	1.138-11	6.238-04	.000+00	2.078-04	.000+00	3.057-07
-6.8	2.589-25	4.712-05	5.262-09	1.460-11	3.144-04	.000+00	1.631-04	.000+00	2.396-07
-6.6	5.304-25	5.766-05	6.774-09	1.887-11	2.428-04	.000+00	1.273-04	.000+00	1.873-07
-6.4	1.098-24	6.967-05	8.513-09	2.445-11	1.851-04	.000+00	9.881-05	.000+00	1.453-07
-6.2	2.308-24	8.276-05	1.035-08	3.269-11	1.387-04	.000+00	7.600-05	.000+00	1.116-07
-6.0	4.942-24	9.616-05	1.229-08	4.416-11	1.017-04	.000+00	5.766-05	.000+00	8.509-08
-5.8	1.081-23	1.088-04	1.444-08	6.093-11	7.263-05	.000+00	4.355-05	.000+00	6.405-08
-5.6	2.415-23	1.197-04	1.711-08	8.592-11	5.040-05	.000+00	3.242-05	.000+00	4.769-08
-5.4	5.503-23	1.278-04	1.989-08	1.236-10	3.397-05	.000+00	2.391-05	.000+00	3.518-08
-5.2	1.274-22	1.328-04	1.283-08	1.805-10	2.228-05	.000+00	1.751-05	.000+00	2.577-08
-5.0	2.978-22	1.347-04	1.115-08	2.669-10	1.426-05	.000+00	1.276-05	.000+00	1.878-08
-4.8	6.999-22	1.338-04	9.704-09	3.951-10	8.939-06	.000+00	9.268-06	.000+00	1.365-08
-4.6	1.646-21	1.306-04	7.293-09	5.865-10	5.506-06	.000+00	6.716-06	.000+00	9.892-09
-4.4	3.863-21	1.255-04	5.604-09	8.687-10	3.341-06	.000+00	4.858-06	.000+00	7.157-09
-4.2	9.026-21	1.191-04	4.211-09	1.281-09	2.002-06	.000+00	3.506-06	.000+00	5.169-09
-4.0	2.098-20	1.119-04	3.115-09	1.881-09	1.187-06	.000+00	2.526-06	.000+00	3.726-09
-3.8	4.851-20	1.041-04	2.278-09	2.746-09	6.973-07	.000+00	1.816-06	.000+00	2.681-09
-3.6	1.113-19	9.608-05	1.654-09	3.987-09	4.066-07	.000+00	1.302-06	.000+00	1.925-09
-3.4	2.550-19	8.812-05	1.193-09	5.760-09	2.356-07	.000+00	9.324-07	.000+00	1.380-09
-3.2	5.801-19	8.037-05	8.579-10	8.282-09	1.358-07	.000+00	6.662-07	.000+00	9.877-10
-3.0	1.314-18	7.296-05	6.150-10	1.186-08	7.797-08	.000+00	4.752-07	.000+00	7.062-10
-2.8	2.961-18	6.598-05	4.400-10	1.692-08	4.462-08	.000+00	3.385-07	.000+00	5.044-10
-2.6	6.643-18	5.947-05	3.144-10	2.404-08	2.547-08	.000+00	2.407-07	.000+00	3.601-10
-2.4	1.484-17	5.346-05	2.246-10	3.404-08	1.451-08	.000+00	1.710-07	.000+00	2.570-10
-2.2	3.296-17	4.793-05	1.604-10	4.801-08	8.263-09	.000+00	1.213-07	.000+00	1.835-10
-2.0	7.280-17	4.288-05	1.146-10	6.745-08	4.703-09	.000+00	8.600-08	.000+00	1.311-10
-1.8	1.596-16	3.827-05	8.200-11	9.431-08	2.678-09	.000+00	6.089-08	.000+00	9.385-11
-1.6	3.468-16	3.412-05	5.877-11	1.311-07	1.527-09	.000+00	4.306-08	.000+00	6.730-11
-1.4	7.447-16	3.034-05	4.225-11	1.810-07	8.728-10	.000+00	3.041-08	.000+00	4.842-11
-1.2	1.575-15	2.692-05	3.048-11	2.475-07	5.008-10	.000+00	2.144-08	.000+00	3.499-11
-1.0	3.288-15	2.383-05	2.211-11	3.346-07	2.888-10	.000+00	1.509-08	.000+00	2.543-11
-.8	6.811-15	2.103-05	1.614-11	4.455-07	1.677-10	.000+00	1.060-08	.000+00	1.862-11
-.6	1.397-14	1.850-05	1.187-11	5.822-07	9.831-11	.000+00	7.419-09	.000+00	1.377-11
-.4	2.852-14	1.622-05	8.817-12	7.439-07	5.825-11	.000+00	5.178-09	.000+00	1.029-11
-.2	4.446-14	1.418-05	6.613-12	9.265-07	3.495-11	.000+00	3.602-09	.000+00	7.796-12
.0	7.704-14	1.232-05	5.017-12	1.122-06	2.126-11	.000+00	2.496-09	.000+00	5.935-12
.2	1.274-13	1.068-05	3.836-12	1.320-06	1.312-11	.000+00	1.724-09	.000+00	4.661-12
.4	2.015-13	9.239-06	2.963-12	1.508-06	8.215-12	.000+00	1.188-09	.000+00	3.681-12
.6	3.054-13	7.982-06	2.306-12	1.677-06	5.218-12	.000+00	8.173-10	.000+00	2.947-12
.8	4.463-13	6.902-06	1.806-12	1.820-06	3.363-12	.000+00	5.626-10	.000+00	2.391-12
1.0	6.322-13	5.985-06	1.427-12	1.935-06	2.199-12	.000+00	3.882-10	.000+00	1.966-12
1.2	8.751-13	5.221-06	1.124-12	2.023-06	1.461-12	.000+00	2.694-10	.000+00	1.639-12
1.4	1.194-12	4.600-06	8.931-13	2.093-06	9.851-13	.000+00	1.887-10	.000+00	1.397-12
1.6	1.625-12	4.116-06	7.132-13	2.159-06	6.866-13	.000+00	1.342-10	.000+00	1.195-12
1.8	2.260-12	3.771-06	5.743-13	2.242-06	4.881-13	.000+00	9.765-11	.000+00	1.052-12
2.0	3.198-12	3.583-06	4.687-13	2.379-06	3.629-13	.000+00	7.361-11	.000+00	9.535-13
2.2	4.880-12	3.601-06	3.915-13	2.635-06	2.870-13	.000+00	5.859-11	.000+00	9.021-13

T= 400C

LOG P	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	.COO+CO	4.854-05	8.803-20	8.301-16	7.772-01	2.114-01	4.712-03	1.155-04	1.514-05
-6.8	.COO+CO	4.029-05	5.754-20	6.513-16	7.738-01	2.121-01	4.725-03	1.225-04	1.519-05
-6.6	.COO+CO	3.274-05	3.635-20	5.088-16	7.685-01	2.131-01	4.748-03	1.281-04	1.525-05
-6.4	.COO+CO	2.594-05	2.213-20	3.946-16	7.603-01	2.146-01	4.781-03	1.317-04	1.531-05
-6.2	.COO+CO	1.990-05	1.297-20	3.035-16	7.482-01	2.167-01	4.828-03	1.326-04	1.541-05
-6.0	.COO+CO	1.467-05	7.176-21	2.311-16	7.307-01	2.198-01	4.895-03	1.312-04	1.553-05
-5.8	.COO+CO	1.029-05	3.719-21	1.739-16	7.066-01	2.239-01	4.990-03	1.287-04	1.603-05
-5.6	.COO+CO	6.816-06	1.789-21	1.295-16	6.748-01	2.294-01	5.116-03	1.128-04	1.662-05
-5.4	.COO+CO	4.236-06	7.964-22	9.553-17	6.351-01	2.363-01	5.267-03	9.746-05	1.732-05
-5.2	.COO+CO	2.488-06	3.285-22	6.997-17	5.882-01	2.444-01	5.449-03	8.052-05	1.795-05
-5.0	.COO+CO	1.356-06	1.267-22	5.100-17	5.358-01	2.534-01	5.651-03	6.295-05	1.815-05
-4.8	.COO+CO	7.054-07	4.619-23	3.706-17	4.799-01	2.630-01	5.868-03	4.683-05	1.885-05
-4.6	.COO+CO	3.528-07	1.614-23	2.686-17	4.231-01	2.726-01	6.088-03	3.350-05	1.955-05
-4.4	.COO+CO	1.711-07	5.472-24	1.944-17	3.674-01	2.824-01	6.303-03	2.325-05	2.025-05
-4.2	.COO+CO	8.119-08	1.816-24	1.404-17	3.147-01	2.914-01	6.508-03	1.577-05	2.079-05
-4.0	.COO+CO	3.791-08	5.962-25	1.012-17	2.663-01	2.996-01	6.695-03	1.051-05	2.131-05
-3.8	.COO+CO	1.751-08	1.926-25	7.280-18	2.229-01	3.069-01	6.864-03	6.914-06	2.175-05
-3.6	.COO+CO	8.028-09	6.208-26	5.227-18	1.849-01	3.131-01	7.012-03	4.511-06	2.212-05
-3.4	.COO+CO	3.660-09	1.993-26	3.747-18	1.522-01	3.184-01	7.140-03	2.922-06	2.243-05
-3.2	.COO+CO	1.663-09	6.386-27	2.682-18	1.245-01	3.227-01	7.250-03	1.883-06	2.269-05
-3.0	.COO+CO	7.539-10	2.044-27	1.918-18	1.012-01	3.261-01	7.342-03	1.209-06	2.293-05
-2.8	.COO+CO	3.413-10	6.543-28	1.370-18	8.196-02	3.287-01	7.421-03	7.748-07	2.313-05
-2.6	.COO+CO	1.545-10	2.096-28	9.779-19	6.611-02	3.306-01	7.487-03	4.955-07	2.329-05
-2.4	.COO+CO	6.995-11	6.727-29	6.980-19	5.318-02	3.312-01	7.543-03	3.167-07	2.423-05
-2.2	.COO+CO	3.172-11	2.165-29	4.984-19	4.268-02	3.313-01	7.592-03	2.024-07	2.436-05
-2.0	.COO+CO	1.442-11	6.997-30	3.561-19	3.418-02	3.305-01	7.635-03	1.295-07	2.452-05
-1.8	.COO+CO	6.579-12	2.274-30	2.548-19	2.735-02	3.287-01	7.676-03	8.302-08	2.465-05
-1.6	.COO+CO	3.018-12	7.449-31	1.828-19	2.185-02	3.258-01	7.715-03	5.337-08	2.478-05
-1.4	.COO+CO	1.394-12	2.465-31	1.315-19	1.745-02	3.215-01	7.756-03	3.445-08	2.491-05
-1.2	.COO+CO	6.504-13	8.273-32	9.499-20	1.394-02	3.155-01	7.800-03	2.237-08	2.505-05
-1.0	.COO+CO	3.074-13	2.827-32	6.904-20	1.113-02	3.074-01	7.851-03	1.464-08	2.522-05
-.8	.COO+CO	1.477-13	9.884-33	5.055-20	8.896-03	2.970-01	7.910-03	9.676-09	2.541-05
-.6	.COO+CO	7.237-14	3.555-33	3.736-20	7.112-03	2.837-01	7.980-03	6.472-09	2.563-05
-.4	.COO+CO	3.632-14	1.323-33	2.792-20	5.693-03	2.675-01	8.063-03	4.389-09	2.590-05
-.2	.000+CO	1.871-14	.000+00	2.113-20	4.561-03	2.485-01	8.157-03	3.021-09	2.620-05
.0	.COO+CO	9.910-15	.COO+00	1.621-20	3.658-03	2.270-01	8.261-03	2.111-09	2.654-05
.2	.COO+CO	5.394-15	.COO+00	1.260-20	2.935-03	2.039-01	8.373-03	1.495-09	2.689-05
.4	.COO+CO	3.011-15	.COO+00	9.926-21	2.355-03	1.801-01	8.487-03	1.072-09	2.726-05
.6	.COO+CO	1.719-15	.COO+00	7.916-21	1.889-03	1.564-01	8.600-03	7.744-10	2.762-05
.8	.COO+CO	1.000-15	.COO+00	6.383-21	1.513-03	1.339-01	8.707-03	5.623-10	2.797-05
1.0	.COO+CO	5.909-16	.000+00	5.198-21	1.209-03	1.130-01	8.807-03	4.086-10	2.829-05
1.2	.COO+CO	3.530-16	.000+00	4.267-21	9.643-04	9.418-02	8.897-03	2.959-10	2.858-05
1.4	.COO+CO	2.126-16	.COO+00	3.525-21	7.660-04	7.757-02	8.976-03	2.125-10	2.883-05
1.6	.COO+CO	1.287-16	.COO+00	2.922-21	6.052-04	6.314-02	9.045-03	1.505-10	2.905-05
1.8	.COO+CO	7.804-17	.COO+00	2.422-21	4.745-04	5.074-02	9.106-03	1.065-10	2.925-05
2.0	.COO+CO	4.734-17	.COO+00	1.997-21	3.678-04	4.015-02	9.159-03	7.037-11	2.942-05
2.2	.COO+CO	2.870-17	.COO+00	1.626-21	2.801-04	3.113-02	9.207-03	4.538-11	2.957-05

T= 400C

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	6.998-04	1.98204+00	2.39145+01	2.58965+01	7.69968+01	-5.45779+00	1.98704+00
-6.8	5.655-04	1.97800+00	2.37696+01	2.57457+01	7.59005+01	-5.25912+00	1.97800+00
-6.6	4.611-04	1.96700+00	2.35558+01	2.55228+01	7.47786+01	-5.06110+00	1.96700+00
-6.4	3.801-04	1.95367+00	2.32413+01	2.51950+01	7.35611+01	-4.86425+00	1.95367+00
-6.2	3.180-04	1.93640+00	2.27876+01	2.47222+01	7.22120+01	-4.66836+00	1.93640+00
-6.0	2.711-04	1.90749+00	2.21550+01	2.40625+01	7.06944+01	-4.47444+00	1.90749+00
-5.8	2.360-04	1.87163+00	2.13130+01	2.31846+01	6.89819+01	-4.28269+00	1.87163+00
-5.6	2.100-04	1.82651+00	2.02541+01	2.20806+01	6.70711+01	-4.09328+00	1.82651+00
-5.4	1.906-04	1.77323+00	1.90038+01	2.07771+01	6.49518+01	-3.90614+00	1.77323+00
-5.2	1.757-04	1.71422+00	1.76193+01	1.93335+01	6.28041+01	-3.72084+00	1.71422+00
-5.0	1.636-04	1.65267+00	1.61755+01	1.78282+01	6.05851+01	-3.53672+00	1.65267+00
-4.8	1.532-04	1.59180+00	1.47480+01	1.63398+01	5.84106+01	-3.35302+00	1.59180+00
-4.6	1.435-04	1.53423+00	1.33984+01	1.49327+01	5.63614+01	-3.16301+00	1.53423+00
-4.4	1.342-04	1.48175+00	1.21683+01	1.36500+01	5.44171+01	-2.98413+00	1.48175+00
-4.2	1.250-04	1.43526+00	1.10792+01	1.25165+01	5.26566+01	-2.79797+00	1.43526+00
-4.0	1.158-04	1.39501+00	1.01370+01	1.15532+01	5.10630+01	-2.61033+00	1.39501+00
-3.8	1.068-04	1.36076+00	9.33630+00	1.06971+01	4.96280+01	-2.42112+00	1.36076+00
-3.6	9.791-05	1.33201+00	8.66524+00	9.99729+00	4.83371+01	-2.23040+00	1.33201+00
-3.4	8.937-05	1.30810+00	8.10888+00	9.41699+00	4.71730+01	-2.03826+00	1.30810+00
-3.2	8.123-05	1.28835+00	7.65116+00	8.93951+00	4.61176+01	-1.84487+00	1.28835+00
-3.0	7.355-05	1.27208+00	7.27666+00	8.56876+00	4.51537+01	-1.65039+00	1.27208+00
-2.8	6.639-05	1.25867+00	6.97124+00	8.22991+00	4.42656+01	-1.45499+00	1.25866+00
-2.6	5.975-05	1.24755+00	6.72230+00	7.96985+00	4.34397+01	-1.25885+00	1.24755+00
-2.4	5.363-05	1.23824+00	6.51886+00	7.75710+00	4.26640+01	-1.06210+00	1.23823+00
-2.2	4.804-05	1.23028+00	6.35146+00	7.58174+00	4.19287+01	-8.64900- 1	1.23027+00
-2.0	4.293-05	1.22328+00	6.21185+00	7.43514+00	4.12237+01	-6.67380-01	1.22327+00
-1.8	3.828-05	1.21687+00	6.09284+00	7.30971+00	4.05428+01	-4.69660-01	1.21684+00
-1.6	3.405-05	1.21067+00	5.98792+00	7.19867+00	3.98789+01	-2.71880-01	1.21063+00
-1.4	3.021-05	1.20435+00	5.89109+00	7.09743+00	3.92260+01	-7.41500-02	1.20428+00
-1.2	2.672-05	1.19753+00	5.79661+00	6.99413+00	3.85785+01	1.23380-01	1.19742+00
-1.0	2.353-05	1.18986+00	5.69901+00	6.88888+00	3.79311+01	3.20590-01	1.18963+00
-.8	2.062-05	1.18102+00	5.59323+00	6.77431+00	3.72794+01	5.17350-01	1.18076+00
-.6	1.795-05	1.17[illegible]+00	5.47543+00	6.64621+00	3.66220+01	7.13570-01	1.17037+00
-.4	1.550-05	1.15[illegible]+00	5.34314+00	6.50221+00	3.59512+01	9.09200-01	1.15842+00
-.2	1.326-05	1.14605+00	5.19663+00	6.34268+00	3.52739+01	1.10630+00	1.14503+00
.0	1.122-05	1.13214+00	5.03883+00	6.17097+00	3.45915+01	1.29900+00	1.13055+00
.2	9.386-06	1.11798+00	4.87491+00	5.99296+00	3.39099+01	1.49353+00	1.11550+00
.4	7.754-06	1.10436+00	4.71117+00	5.81553+00	3.32341+01	1.68821+00	1.10068+00
.6	6.327-06	1.09212+00	4.55365+00	5.64577+00	3.25709+01	1.88336+00	1.08835+00
.8	5.101-06	1.08214+00	4.40722+00	5.48936+00	3.19239+01	2.07939+00	1.07864+00
1.0	4.068-06	1.07542+00	4.27504+00	5.35065+00	3.12951+01	2.27667+00	1.07196+00
1.2	3.213-06	1.07318+00	4.15864+00	5.23182+00	3.06842+01	2.47577+00	1.06977+00
1.4	2.521-06	1.07719+00	4.05824+00	5.13543+00	3.00890+01	2.67734+00	1.07356+00
1.6	1.970-06	1.08015+00	3.97319+00	5.06334+00	2.95053+01	2.88258+00	1.07656+00
1.8	1.541-06	1.11628+00	3.90239+00	5.01867+00	2.89270+01	3.09287+00	1.07257+00
2.0	1.216-06	1.16227+00	3.84469+00	5.00496+00	2.83456+01	3.31043+00	1.01441+00
2.2	9.770-07	1.23849+00	3.79924+00	5.03773+00	2.77488+01	3.53799+00	1.01444+00

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LOG Z	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.218-03	4.272-09	1.814-06	1.343-C8	7.743-15	1.266-16	6.423-15	2.469-07	3.332-10
-6.8	5.064-03	6.788-09	2.869-06	2.292-C8	2.094-14	3.175-16	1.602-14	3.056-07	4.164-10
-6.6	7.935-03	1.080-08	4.528-06	3.856-C8	5.595-14	7.944-16	3.980-14	3.750-07	5.187-10
-6.4	1.235-02	1.719-08	7.129-06	6.395-C8	1.468-13	1.982-15	9.821-14	4.547-07	6.433-10
-6.2	1.904-02	2.743-08	1.118-05	1.044-C5	3.797-13	4.928-15	2.400-13	5.417-07	7.932-10
-6.0	2.896-02	4.390-08	1.744-05	1.671-C5	9.625-13	1.219-14	5.783-13	6.294-07	9.701-10
-5.8	4.320-02	7.054-08	2.701-05	2.611-C5	2.386-12	2.990-14	1.368-12	7.078-07	1.175-09
-5.6	6.289-02	1.139-07	4.141-05	3.955-C5	5.729-12	7.264-14	3.154-12	7.844-07	1.407-09
-5.4	8.883-02	1.849-07	6.270-05	5.759-C5	1.322-11	1.743-13	7.051-12	7.880-07	1.667-09
-5.2	1.212-01	3.017-07	9.357-05	7.995-C5	2.968-11	4.122-13	1.527-11	7.735-07	1.956-09
-5.0	1.596-01	4.943-07	1.374-04	1.053-C4	6.068-11	9.592-13	3.185-11	7.235-07	2.278-09
-4.8	2.026-01	8.120-07	1.985-04	1.315-C4	1.201-10	2.195-12	6.407-11	6.473-07	2.637-09
-4.6	2.485-01	1.335-06	2.818-04	1.566-C4	2.262-10	4.939-12	1.245-10	5.567-07	3.041-09
-4.4	2.953-01	2.194-06	3.938-04	1.765-C4	4.090-10	1.093-11	2.344-10	4.630-07	3.497-09
-4.2	3.412-01	3.598-06	5.420-04	1.972-C4	7.159-10	2.384-11	4.290-10	3.742-07	4.011-09
-4.0	3.846-01	5.840-06	7.358-04	2.125-C4	1.222-09	5.125-11	7.660-10	2.953-07	4.589-09
-3.8	4.246-01	9.575-06	9.845-04	2.249-C4	2.048-09	1.088-10	1.339-09	2.285-07	5.239-09
-3.6	4.604-01	1.553-05	1.308-03	2.348-C4	3.386-09	2.285-10	2.299-09	1.739-07	5.965-09
-3.4	4.918-01	2.509-05	1.716-03	2.427-C4	5.539-09	4.751-10	3.887-09	1.306-07	6.775-09
-3.2	5.188-01	4.036-05	2.239-03	2.490-C4	8.992-09	9.794-10	6.469-09	9.705-08	7.677-09
-3.0	5.416-01	6.470-05	2.896-03	2.540-C4	1.451-08	2.004-09	1.072-08	7.146-08	8.677-09
-2.8	5.608-01	1.033-04	3.724-03	2.580-C4	2.330-08	4.073-09	1.754-08	5.224-08	9.785-09
-2.6	5.766-01	1.644-04	4.764-03	2.613-C4	3.727-08	8.230-09	2.848-08	3.798-08	1.101-08
-2.4	5.896-01	2.607-04	6.065-03	2.640-C4	5.941-08	1.654-08	4.596-08	2.749-08	1.236-08
-2.2	6.001-01	4.116-04	7.690-03	2.662-C4	9.442-08	3.304-08	7.373-08	1.984-08	1.383-08
-2.0	6.087-01	6.472-04	9.710-03	2.680-C4	1.496-07	6.564-08	1.176-07	1.428-08	1.544-08
-1.8	6.155-01	1.012-03	1.221-02	2.696-C4	2.362-07	1.296-07	1.867-07	1.027-08	1.717-08
-1.6	6.210-01	1.574-03	1.529-02	2.711-C4	3.717-07	2.540-07	2.949-07	7.387-09	1.903-08
-1.4	6.254-01	2.426-03	1.906-02	2.724-C4	5.823-07	4.936-07	4.630-07	5.317-09	2.097-08
-1.2	6.291-01	3.704-03	2.362-02	2.736-C4	9.073-07	9.496-07	7.223-07	3.836-09	2.296-08
-1.0	6.323-01	5.580-03	2.906-02	2.749-C4	1.404-06	1.749-06	1.118-06	2.778-09	2.492-08
-.8	6.352-01	8.267-03	3.545-02	2.762-C4	2.154-06	3.351-06	1.715-06	2.023-09	2.677-08
-.6	6.382-01	1.199-02	4.280-02	2.774-C4	3.267-06	6.112-06	2.602-06	1.485-09	2.836-08
-.4	6.414-01	1.697-02	5.103-02	2.785-C4	4.886-06	1.087-05	3.897-06	1.100-09	2.957-08
-.2	6.451-01	2.330-02	5.998-02	2.793-C4	7.195-06	1.875-05	5.751-06	8.244-10	3.027-08
.0	6.493-01	3.097-02	6.938 02	2.797-C4	1.040-05	3.135-05	8.350-06	6.263-10	3.036-08
.2	6.541-01	3.979-02	7.892-02	2.792-C4	1.472-05	5.067-05	1.192-05	4.826-10	2.983-08
.4	6.593-01	4.939-02	8.827-02	2.775-C4	2.040-05	7.928-05	1.674-05	3.775-10	2.874-08
.6	6.645-01	5.935-02	9.714-02	2.743-C4	2.768-05	1.204-04	2.313-05	2.998-10	2.720-08
.8	6.700-01	6.924-02	1.053-01	2.691-C4	3.677-05	1.780-04	3.149-05	2.416-10	2.534-08
1.0	6.751-01	7.867-02	1.127-01	2.617-C4	4.787-05	2.581-04	4.230-05	1.977-10	2.338-08
1.2	6.799-01	8.739-02	1.191-01	2.518-C4	6.112-05	3.690-04	5.618-05	1.644-10	2.142-08
1.4	6.843-01	9.521-02	1.246-01	2.392-C4	7.663-05	5.251-04	7.387-05	1.390-10	1.958-08
1.6	6.882-01	1.021-01	1.293-01	2.240-C4	9.447-05	7.520-04	9.627-05	1.199-10	1.796-08
1.8	6.916-01	1.080-01	1.331-01	2.062-C4	1.147-04	1.101-03	1.245-04	1.061-10	1.667-08
2.0	6.947-01	1.130-01	1.360-01	1.856-C4	1.372-04	1.694-03	1.598-04	9.715-11	1.580-08
2.2	6.975-01	1.170-01	1.380-01	1.626-C4	1.621-04	2.781-03	2.036-04	9.347-11	1.552-08

T= 4900

LOG Z	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.769-25	3.192-05	3.135-09	1.455-11	6.034-04	.000+00	2.951-04	.000+00	4.839-07
-6.8	3.575-25	3.974-05	4.205-09	1.858-11	4.733-04	.000+00	2.326-04	.000+00	3.813-07
-6.6	7.258-25	4.914-05	5.542-09	2.376-11	3.692-04	.000+00	1.828-04	.000+00	2.996-07
-6.4	1.484-24	6.027-05	7.159-09	3.064-11	2.856-04	.000+00	1.430-04	.000+00	2.344-07
-6.2	3.065-24	7.304-05	9.026-09	3.993-11	2.194-04	.000+00	1.112-04	.000+00	1.824-07
-6.0	6.419-24	8.707-05	1.104-08	5.277-11	1.643-04	.000+00	8.585-05	.000+00	1.407-07
-5.8	1.368-23	1.016-04	1.301-08	7.099-11	1.210-04	.000+00	6.560-05	.000+00	1.075-07
-5.6	2.978-23	1.156-04	1.462-08	9.749-11	8.682-05	.000+00	4.959-05	.000+00	8.129-08
-5.4	6.626-23	1.277-04	1.554-08	1.368-10	6.055-05	.000+00	3.707-05	.000+00	6.079-08
-5.2	1.503-22	1.371-04	1.551-08	1.959-10	4.101-05	.000+00	2.745-05	.000+00	4.502-08
-5.0	3.466-22	1.430-04	1.451-08	2.851-10	2.701-05	.000+00	2.017-05	.000+00	3.309-08
-4.8	8.080-22	1.456-04	1.277-08	4.195-10	1.735-05	.000+00	1.474-05	.000+00	2.418-08
-4.6	1.895-21	1.450-04	1.065-08	6.209-10	1.090-05	.000+00	1.073-05	.000+00	1.761-08
-4.4	4.450-21	1.418-04	8.508-09	9.204-10	6.731-06	.000+00	7.787-06	.000+00	1.279-08
-4.2	1.043-20	1.365-04	6.576-09	1.362-09	4.091-06	.000+00	5.638-06	.000+00	9.262-09
-4.0	2.434-20	1.297-04	4.967-09	2.008-09	2.454-06	.000+00	4.073-06	.000+00	6.695-09
-3.8	5.659-20	1.219-04	3.680-09	2.946-09	1.456-06	.000+00	2.936-06	.000+00	4.829-09
-3.6	1.307-19	1.135-04	2.697-09	4.298-09	8.564-07	.000+00	2.111-06	.000+00	3.476-09
-3.4	3.004-19	1.049-04	1.960-09	6.24 -09	4.997-07	.000+00	1.515-06	.000+00	2.497-09
-3.2	6.866-19	9.618-05	1.416-09	9.01 -09	2.897-07	.000+00	1.085-06	.000+00	1.791-09
-3.0	1.561-18	8.774-05	1.01 -09	1.295- 8	1.671-07	.000+00	7.751-07	.000+00	1.283-09
-2.8	3.532-18	7.967-05	7.310-10	1.854-08	9.599-08	.000+00	5.530-07	.000+00	9.175-10
-2.6	7.952-18	7.209-05	5.233-10	2.643-08	5.496-08	.000+00	3.939-07	.000+00	6.557-10
-2.4	1.782-17	6.494-05	3.743-10	3.753-08	3.139-08	.000+00	2.801-07	.000+00	4.684-10
-2.2	3.971-17	5.836-05	2.675-10	5.308-08	1.790-08	.000+00	1.990-07	.000+00	3.346-10
-2.0	8.801-17	5.232-05	1.913-10	7.476-08	1.020-08	.000+00	1.412-07	.000+00	2.391-10
-1.8	1.937-16	4.680-05	1.368-10	1.048-07	5.813-09	.000+00	1.000-07	.000+00	1.711-10
-1.6	4.229-16	4.177-05	9.804-11	1.462-07	3.315-09	.000+00	7.042-08	.000+00	1.226-10
-1.4	9.134-16	3.721-05	7.042-11	2.026-07	1.894-09	.000+00	5.006-08	.000+00	8.813-11
-1.2	1.947-15	3.307-05	5.074-11	2.783-07	1.085-09	.000+00	3.534-08	.000+00	6.358-11
-1.0	4.077-15	2.932-05	3.673-11	3.784-07	6.247-10	.000+00	2.491-08	.000+00	4.610-11
-.8	8.350-15	2.593-05	2.679-11	5.076-07	3.619-10	.000+00	1.752-08	.000+00	3.366-11
-.6	1.663-14	2.287-05	1.962-11	6.693-07	2.113-10	.000+00	1.229-08	.000+00	2.479-11
-.4	3.202-14	2.010-05	1.452-11	8.646-07	1.247-10	.000+00	8.605-09	.000+00	1.845-11
-.2	5.924-14	1.761-05	1.086-11	1.090-06	7.443-11	.000+00	6.004-09	.000+00	1.390-11
.0	1.049-13	1.537-05	8.203-12	1.337-06	4.505-11	.000+00	4.176-09	.000+00	1.062-11
.2	1.774-13	1.338-05	6.265-12	1.594-06	2.767-11	.000+00	2.896-09	.000+00	8.232-12
.4	2.864-13	1.162-05	4.834-12	1.865-06	1.725-11	.000+00	2.004-09	.000+00	6.474-12
.6	4.478-13	1.009-05	3.764-12	2.076-06	1.092-11	.000+00	1.385-09	.000+00	5.167-12
.8	6.582-13	8.756-06	2.954-12	2.277-06	7.016-12	.000+00	9.572-10	.000+00	4.183-12
1.0	9.465-13	7.623-06	2.334-12	2.443-06	4.580-12	.000+00	6.693-10	.000+00	3.434-12
1.2	1.327-12	6.675-06	1.855-12	2.574-06	3.040-12	.000+00	4.621-10	.000+00	2.861-12
1.4	1.829-12	5.901-06	1.483-12	2.680-06	2.056-12	.000+00	3.248-10	.000+00	2.421-12
1.6	2.510-12	5.297-06	1.194-12	2.778-06	1.422-12	.000+00	2.317-10	.000+00	2.087-12
1.8	3.484-12	4.867-06	9.704-13	2.896-06	1.014-12	.000+00	1.690-10	.000+00	1.839-12
2.0	5.000-12	4.634-06	8.008-13	3.083-06	7.535-13	.000+00	1.277-10	.000+00	1.672-12
2.2	7.661-12	4.668-06	6.775-13	3.422-06	5.955-13	.000-00	1.017-10	.000+00	1.586-12

T= 4900

LOG C	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	5.725-05	2.532-19	1.749-15	7.791-01	2.109-01	4.701-03	1.075-04	1.510-05
-6.8	.000+00	4.844-05	1.685-19	1.378-15	7.771-01	2.114-01	4.711-03	1.157-04	1.513-05
-6.6	.000+00	4.020-05	1.097-19	1.081-15	7.759-01	2.121-01	4.725-03	1.228-04	1.518-05
-6.4	.000+00	3.282-05	6.966-20	8.472-16	7.687-01	2.130-01	4.747-03	1.285-04	1.525-05
-6.2	.000+00	2.611-05	4.281-20	6.590-16	7.609-01	2.145-01	4.779-03	1.321-04	1.535-05
-6.0	.000+00	2.019-05	2.525-20	5.085-16	7.487-01	2.166-01	4.826-03	1.336-04	1.550-05
-5.8	.000+00	1.498-05	1.415-20	3.886-15	7.315-01	2.196-01	4.893-03	1.319-04	1.572-05
-5.6	.000+00	1.062-05	7.443-21	2.939-16	7.076-01	2.237-01	4.984-03	1.260-04	1.601-05
-5.4	.000+00	7.124-06	3.643-21	2.137-16	6.762-01	2.292-01	5.108-03	1.157-04	1.641-05
-5.2	.000+00	4.489-06	1.651-21	1.477-16	6.368-01	2.360-01	5.260-03	1.014-04	1.690-05
-5.0	.000+00	2.651-06	6.928-22	1.196-16	5.902-01	2.440-01	5.441-03	8.428-05	1.748-05
-4.8	.000+00	1.472-06	2.712-22	8.740-17	5.390-01	2.530-01	5.643-03	6.642-05	1.813-05
-4.6	.000+00	7.750-07	1.001-22	6.364-17	4.822-01	2.626-01	5.859-03	4.986-05	1.882-05
-4.4	.000+00	3.907-07	3.533-23	4.620-17	4.253-01	2.724-01	6.079-03	3.592-05	1.953-05
-4.2	.000+00	1.906-07	1.206-23	3.347-17	3.695-01	2.819-01	6.295-03	2.535-05	2.022-05
-4.0	.000+00	9.081-08	4.021-24	2.419-17	3.167-01	2.909-01	6.500-03	1.705-05	2.088-05
-3.8	.000+00	4.253-08	1.321-24	1.749-17	2.681-01	2.991-01	6.689-03	1.139-05	2.148-05
-3.6	.000+00	1.969-08	4.292-25	1.256-17	2.245-01	3.064-01	6.858-03	7.511-06	2.203-05
-3.4	.000+00	9.040-09	1.386-25	9.025-18	1.853-01	3.127-01	7.007-03	4.904-06	2.251-05
-3.2	.000+00	4.127-09	4.457-26	6.473-18	1.534-01	3.179-01	7.137-03	3.180-06	2.292-05
-3.0	.000+00	1.877-09	1.430-26	4.635-18	1.255-01	3.222-01	7.247-03	2.051-06	2.328-05
-2.8	.000+00	8.520-10	4.584-27	3.315-18	1.021-01	3.255-01	7.341-03	1.318-06	2.358-05
-2.6	.000+00	3.862-10	1.470-27	2.369-18	8.266-02	3.279-01	7.421-03	8.451-07	2.383-05
-2.4	.000+00	1.750-10	4.718-28	1.693-18	6.676-02	3.295-01	7.488-03	5.410-07	2.405-05
-2.2	.000+00	7.939-11	1.518-28	1.209-18	5.366-02	3.301-01	7.546-03	3.461-07	2.424-05
-2.0	.000+00	3.607-11	4.859-29	8.641-19	4.307-02	3.299-01	7.596-03	2.215-07	2.440-05
-1.8	.000+00	1.644-11	1.589-29	6.183-19	3.456-02	3.287-01	7.642-03	1.420-07	2.455-05
-1.6	.000+00	7.526-12	5.190-30	4.431-19	2.761-02	3.265-01	7.685-03	9.119-08	2.468-05
-1.4	.000+00	3.467-12	1.710-30	3.184-19	2.207-02	3.229-01	7.727-03	5.877-08	2.482-05
-1.2	.000+00	1.611-12	5.707-31	2.297-19	1.763-02	3.178-01	7.772-03	3.807-08	2.496-05
-1.0	.000+00	7.569-13	1.935-31	1.666-19	1.408-02	3.108-01	7.821-03	2.483-08	2.512-05
-.8	.000+00	3.610-13	6.700-32	1.214-19	1.125-02	3.016-01	7.878-03	1.634-08	2.530-05
-.6	.000+00	1.753-13	2.381-32	8.951-20	8.596-03	2.897-01	7.943-03	1.096-08	2.551-05
-.4	.000+00	8.707-14	8.732-33	6.660-20	7.197-03	2.750-01	8.021-03	7.319-09	2.576-05
-.2	.000+00	4.435-14	3.322-33	5.015-20	5.764-03	2.574-01	8.110-03	5.002-09	2.605-05
.0	.000+00	2.322-14	1.315-33	3.827-20	4.621-03	2.371-01	8.210-03	3.471-09	2.637-05
.2	.000+00	1.250-14	.000+00	2.961-20	3.706-03	2.148-01	8.319-03	2.443-09	2.672-05
.4	.000+00	6.913-15	.000+00	2.323-20	2.973-03	1.912-01	8.432-03	1.741-09	2.708-05
.6	.000+00	3.919-15	.000+00	1.847-20	2.384-03	1.675-01	8.546-03	1.254-09	2.745-05
.8	.000+00	2.269-15	.000+00	1.486-20	1.910-03	1.443-01	8.657-03	9.085-10	2.781-05
1.0	.000+00	1.337-15	.000+00	1.208-20	1.528-03	1.226-01	8.760-03	6.600-10	2.814-05
1.2	.000+00	7.991-16	.000+00	9.912-21	1.219-03	1.028-01	8.855-03	4.786-10	2.844-05
1.4	.000+00	4.824-16	.000+00	8.187-21	9.685-04	8.504-02	8.940-03	3.448-10	2.872-05
1.6	.000+00	2.933-16	.000+00	6.792-21	7.656-04	6.980-02	9.015-03	2.454-10	2.896-05
1.8	.000+00	1.791-16	.000+00	5.637-21	6.006-04	5.804-02	9.080-03	1.714-10	2.917-05
2.0	.000+00	1.096-16	.000+00	4.658-21	4.657-04	4.447-02	9.138-03	1.162-10	2.935-05
2.2	.000+00	6.719-17	.000+00	3.807-21	3.549-04	3.457-02	9.190-03	7.560-11	2.952-05

T= 4900

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	9.884-04	1.98646+00	2.36065+01	2.55930+01	7.71387+01	-5.44787+00	1.98646+00
-6.8	7.947-04	1.98241+00	2.35087+01	2.54911+01	7.61269+01	-5.24676+00	1.98241+00
-6.6	6.421-04	1.97643+00	2.33677+01	2.53441+01	7.50743+01	-5.05007+00	1.97643+00
-6.4	5.225-04	1.96754+00	2.31604+01	2.51280+01	7.39588+01	-4.85203+00	1.96754+00
-6.2	4.295-04	1.95439+00	2.28581+01	2.48105+01	7.27512+01	-4.65494+00	1.95439+00
-6.0	3.581-04	1.93537+00	2.24172+01	2.43526+01	7.14164+01	-4.45919+00	1.93537+00
-5.8	3.040-04	1.90878+00	2.18047+01	2.37134+01	6.99184+01	-4.26520+00	1.90878+00
-5.6	2.635-04	1.87327+00	2.09879+01	2.28612+01	6.82304+01	-4.07335+00	1.87327+00
-5.4	2.333-04	1.82851+00	1.99585+01	2.17870+01	6.63483+01	-3.88385+00	1.82851+00
-5.2	2.108-04	1.77550+00	1.87600+01	2.05155+01	6.42998+01	-3.69663+00	1.77550+00
-5.0	1.936-04	1.71664+00	1.73873+01	1.91040+01	6.21629+01	-3.51127+00	1.71664+00
-4.8	1.798-04	1.65512+00	1.59736+01	1.76287+01	5.99528+01	-3.32712+00	1.65512+00
-4.6	1.680-04	1.59415+00	1.45731+01	1.61672+01	5.78042+01	-3.14342+00	1.59415+00
-4.4	1.572-04	1.53640+00	1.32668+01	1.47832+01	5.57573+01	-2.95945+00	1.53640+00
-4.2	1.468-04	1.48367+00	1.20364+01	1.35220+01	5.38517+01	-2.77461+00	1.48367+00
-4.0	1.366-04	1.43691+00	1.09036+01	1.24005+01	5.21067+01	-2.58852+00	1.43691+00
-3.8	1.266-04	1.39638+00	1.00346+01	1.14310+01	5.05256+01	-2.40094+00	1.39638+00
-3.6	1.167-04	1.36187+00	9.24458+00	1.06065+01	4.91007+01	-2.21181+00	1.36187+00
-3.4	1.070-04	1.33287+00	8.58209+00	9.91496+00	4.78179+01	-2.02116+00	1.33287+00
-3.2	9.765-05	1.30874+00	8.03242+00	9.34115+00	4.66602+01	-1.82910+00	1.30873+00
-3.0	8.875-05	1.28876+00	7.57992+00	8.86466+00	4.56097+01	-1.63578+00	1.28876+00
-2.8	8.036-05	1.27228+00	7.20940+00	8.48168+00	4.46497+01	-1.44137+00	1.27228+00
-2.6	7.252-05	1.25866+00	6.90687+00	8.16553+00	4.37645+01	-1.24604+00	1.25866+00
-2.4	6.525-05	1.24733+00	6.65989+00	7.90721+00	4.29405+01	-1.04997+00	1.24732+00
-2.2	5.856-05	1.23778+00	6.45754+00	7.69532+00	4.21640+01	-8.53310-01	1.23777+00
-2.0	5.243-05	1.22955+00	6.29038+00	7.51993+00	4.14308+01	-6.56200-01	1.22953+00
-1.8	4.683-05	1.22223+00	6.15016+00	7.37239+00	4.07261+01	-4.58800-01	1.22220+00
-1.6	4.173-05	1.21543+00	6.02959+00	7.24502+00	4.00442+01	-2.61220-01	1.21538+00
-1.4	3.709-05	1.20876+00	5.92209+00	7.13085+00	3.93785+01	-6.36100-02	1.20870+00
-1.2	3.285-05	1.20186+00	5.82151+00	7.02338+00	3.87229+01	1.33910-0	1.20176+00
-1.0	2.900-05	1.19436+00	5.72208+00	6.91644+00	3.80717+01	3.31190-01	1.19420+00
-.8	2.547-05	1.18591+00	5.61839+00	6.80430+00	3.74199+01	5.28100-01	1.18565+00
-.6	2.224-05	1.17622+00	5.50580+00	6.68203+00	3.67633+01	7.24540-01	1.17581+00
-.4	1.928-05	1.16514+00	5.38101+00	6.54415+00	3.60994+01	9.20430-01	1.16449+00
-.2	1.656-05	1.15272+00	5.24280+00	6.39552+00	3.54274+01	1.11577+00	1.15170+00
.0	1.407-05	1.13925+00	5.09257+00	6.23181+00	3.47494+01	1.31067+00	1.13765+00
.2	1.182-05	1.12528+00	4.93420+00	6.05949+00	3.40697+01	1.50531+00	1.12279+00
.4	9.811-06	1.11158+00	4.77328+00	5.88485+00	3.33937+01	1.69999+00	1.10767+00
.6	8.038-06	1.09899+00	4.61580+00	5.71480+00	3.27273+01	1.89505+00	1.09289+00
.8	6.505-06	1.08848+00	4.46708+00	5.55556+00	3.20750+01	2.09087+00	1.07894+00
1.0	5.205-06	1.08110+00	4.33099+00	5.41205+00	3.14395+01	2.28792+00	1.06617+00
1.2	4.123-06	1.07815+00	4.20966+00	5.28782+00	3.08212+01	2.48673+00	1.05475+00
1.4	3.241-06	1.07846+00	4.10400+00	5.18546+00	3.02186+01	2.68806+00	1.04475+00
1.6	2.537-06	1.08375+00	4.01374+00	5.10748+00	2.96279+01	2.89297+00	1.03603+00
1.8	1.988-06	1.11926+00	3.93804+00	5.05730+00	2.90432+01	3.10298+00	1.02861+00
2.0	1.569-06	1.16467+00	3.87589+00	5.04056+00	2.84561+01	3.32025+00	1.02212+00
2.2	1.262-06	1.24034+00	3.82650+00	5.06684+00	2.78544+01	3.54759+00	1.01631+00

T= 5000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.037-03	3.379-09	1.354-06	7.337-07	3.359-15	8.173-17	3.795-15	2.624-07	3.431-10
-6.8	3.215-03	5.367-09	2.144-06	1.268-06	9.150-15	2.052-16	9.498-15	3.018-07	4.299-10
-6.6	5.060-03	8.529-09	3.390-06	2.162-06	2.472-14	5.144-16	2.370-14	3.739-07	5.377-10
-6.4	7.928-03	1.358-08	5.352-06	3.636-06	6.593-14	1.287-15	5.866-14	4.595-07	6.706-10
-6.2	1.234-02	2.160-08	8.426-06	6.030-06	1.733-13	3.213-15	1.452-13	5.580-07	8.332-10
-6.0	1.903-02	3.447-08	1.322-05	9.866-06	4.486-13	7.988-15	3.550-13	6.661-07	1.029-09
-5.8	2.894-02	5.517-08	2.062-05	1.579-05	1.140-12	1.975-14	8.555-13	7.761-07	1.262-09
-5.6	4.318-02	8.869-08	3.193-05	2.474-05	2.831-12	4.846-14	2.023-12	8.755-07	1.533-09
-5.4	6.285-02	1.431-07	4.895-05	3.764-05	6.826-12	1.177-13	4.667-12	9.489-07	1.843-09
-5.2	8.878-02	2.323-07	7.412-05	5.512-05	1.584-11	2.825-13	1.049-11	9.819-07	2.192-09
-5.0	1.212-01	3.781-07	1.106-04	7.706-05	3.509-11	6.681-13	2.259-11	9.673-07	2.581-09
-4.8	1.595-01	6.210-07	1.624-04	1.022-04	7.377-11	1.555-12	4.713-11	9.077-07	3.014-09
-4.6	2.025-01	1.020-06	2.346-04	1.286-04	1.470-10	3.557-12	9.479-11	8.142-07	3.499-09
-4.4	2.484-01	1.678-06	3.331-04	1.539-04	2.787-10	8.003-12	1.842-10	7.018-07	4.043-09
-4.2	2.932-01	2.756-06	4.655-04	1.765-04	5.064-10	1.772-11	3.468-10	5.845-07	4.655-09
-4.0	3.411-01	4.518-06	6.407-04	1.957-04	8.884-10	3.862-11	6.345-10	4.729-07	5.344-09
-3.8	3.865-01	7.384-06	8.696-04	2.115-04	1.522-09	8.302-11	1.133-09	3.736-07	6.117-09
-3.6	4.245-01	1.202-05	1.166-03	2.242-04	2.555-09	1.762-10	1.981-09	2.892-07	6.987-09
-3.4	4.603-01	1.949-05	1.546-03	2.343-04	4.227-09	3.699-10	3.400-09	2.203-07	7.957-09
-3.2	4.916-01	3.147-05	2.030-03	2.424-04	6.920-09	7.684-10	5.747-09	1.655-07	9.038-09
-3.0	5.186-01	5.060-05	2.644-03	2.488-04	1.124-08	1.584-09	9.591-09	1.230-07	1.024-08
-2.8	5.415-01	8.106-05	3.419-03	2.539-04	1.813-08	3.239-09	1.583-08	9.060-08	1.157-08
-2.6	5.607-01	1.293-04	4.394-03	2.580-04	2.911-08	6.577-09	2.590-08	6.626-08	1.304-08
-2.4	5.765-01	2.056-04	5.618-03	2.614-04	4.655-08	1.327-08	4.203-08	4.820-08	1.466-08
-2.2	5.894-01	3.254-04	7.147-03	2.641-04	7.415-08	2.662-08	6.776-08	3.491-08	1.644-08
-2.0	5.999-01	5.129-04	9.053-03	2.663-04	1.177-07	5.309-08	1.086-07	2.521-08	1.838-08
-1.8	6.084-01	8.044-04	1.142-02	2.682-04	1.863-07	1.052-07	1.730-07	1.817-08	2.049-08
-1.6	6.153-01	1.254-03	1.434-02	2.699-04	2.938-07	2.070-07	2.742-07	1.308-08	2.275-08
-1.4	6.207-01	1.941-03	1.791-02	2.714-04	4.613-07	4.039-07	4.319-07	9.422-09	2.513-08
-1.2	6.252-01	2.977-03	2.226-02	2.728-04	7.207-07	7.803-07	6.762-07	6.797-09	2.761-08
-1.0	6.289-01	4.511-03	2.749-02	2.742-04	1.119-06	1.489-06	1.051-06	4.918-09	3.009-08
-.8	6.322-01	6.735-03	3.367-02	2.755-04	1.724-06	2.796-06	1.619-06	3.575-09	3.249-08
-.6	6.353-01	9.866-03	4.085-02	2.768-04	2.629-06	5.151-06	2.469-06	2.617-09	3.466-08
-.4	6.384-01	1.412-02	4.900-02	2.781-04	3.960-06	9.267-06	3.720-06	1.932-09	3.645-08
-.2	6.419-01	1.986-02	5.797-02	2.792-04	5.876-06	1.622-05	5.527-06	1.442-09	3.767-08
.0	6.458-01	2.654-02	6.755-02	2.799-04	8.567-06	2.753-05	8.085-06	1.090-09	3.821-08
.2	6.503-01	3.464-02	7.744-02	2.799-04	1.225-05	4.521-05	1.163-05	8.362-10	3.799-08
.4	6.551-01	4.369-02	8.729-02	2.789-04	1.716-05	7.186-05	1.646-05	6.513-10	3.703-08
.6	6.603-01	5.330-02	9.678-02	2.766-04	2.354-05	1.107-04	2.290-05	5.152-10	3.545-08
.8	6.655-01	6.305-02	1.057-01	2.725-04	3.162-05	1.661-04	3.139-05	4.140-10	3.342-08
1.0	6.706-01	7.252-02	1.137-01	2.663-04	4.161-05	2.436-04	4.243-05	3.330-10	3.113-08
1.2	6.755-01	8.142-02	1.209-01	2.577-04	5.370-05	3.521-04	5.664-05	2.806-10	2.877-08
1.4	6.795-01	8.952-02	1.271-01	2.465-04	6.807-05	5.055-04	7.479-05	2.371-10	2.652-08
1.6	6.840-01	9.673-02	1.323-01	2.326-04	8.483-05	7.293-04	9.784-05	2.046-10	2.452-08
1.8	6.876-01	1.030-01	1.367-01	2.158-04	1.041-04	1.074-03	1.269-04	1.812-10	2.291-08
2.0	6.908-01	1.083-01	1.401-01	1.961-04	1.260-04	1.651-03	1.634-04	1.662-10	2.187-08
2.2	6.938-01	1.127-01	1.425-01	1.734-04	1.507-04	2.739-03	2.085-04	1.603-10	2.163-08

T= 5000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.440-25	2.691-05	2.439-09	1.853-11	8.619-04	.000+00	4.113-04	.000+00	7.490-07
-6.8	4.914-25	3.343-05	3.325-09	2.354-11	6.948-04	.000+00	3.251-04	.000+00	5.918-07
-6.6	9.921-25	4.168-05	4.461-09	2.997-11	5.455-04	.000+00	2.565-04	.000+00	4.667-07
-6.4	2.012-24	5.160-05	5.884-09	3.836-11	4.261-04	.000+00	2.018-04	.000+00	3.672-07
-6.2	4.107-24	6.338-05	7.613-09	4.938-11	3.302-04	.000+00	1.582-04	.000+00	2.878-07
-6.0	8.465-24	7.697-05	9.624-09	6.422-11	2.530-04	.000+00	1.233-04	.000+00	2.243-07
-5.8	1.766-23	9.200-05	1.182-08	8.464-11	1.908-04	.000+00	9.538-05	.000+00	1.735-07
-5.6	3.758-23	1.077-04	1.401-08	1.135-10	1.409-04	.000+00	7.311-05	.000+00	1.330-07
-5.4	8.150-23	1.229-04	1.587-08	1.553-10	1.015-04	.000+00	5.247-05	.000+00	1.009-07
-5.2	1.806-22	1.364-04	1.702-08	2.172-10	7.106-05	.000+00	4.162-05	.000+00	7.575-08
-5.0	4.083-22	1.469-04	1.718-08	3.099-10	4.830-05	.000+00	3.093-05	.000+00	5.630-08
-4.8	9.384-22	1.538-04	1.624-08	4.495-10	3.191-05	.000+00	2.280-05	.000+00	4.151-08
-4.6	2.182-21	1.569-04	1.444-08	6.597-10	2.055-05	.000+00	1.670-05	.000+00	3.042-08
-4.4	5.106-21	1.566-04	1.214-08	9.745-10	1.294-05	.000+00	1.218-05	.000+00	2.219-08
-4.2	1.197-20	1.533-04	9.758-09	1.442-09	8.002-06	.000+00	8.853-06	.000+00	1.614-08
-4.0	2.803-20	1.478-04	7.577-09	2.132-09	4.869-06	.000+00	6.417-06	.000+00	1.170-08
-3.8	6.539-20	1.405-04	5.737-09	3.140-09	2.924-06	.000+00	4.639-06	.000+00	8.467-09
-3.6	1.518-19	1.321-04	4.265-09	4.603-09	1.736-06	.000+00	3.345-06	.000+00	6.111-09
-3.4	3.505-19	1.231-04	3.131-09	6.714-09	1.021-06	.000+00	2.406-06	.000+00	4.402-09
-3.2	8.046-19	1.137-04	2.279-09	9.740-09	5.962-07	.000+00	1.727-06	.000+00	3.164-09
-3.0	1.837-18	1.043-04	1.648-09	1.406-08	3.458-07	.000+00	1.237-06	.000+00	2.270-09
-2.8	4.173-18	9.517-05	1.186-09	2.020-08	1.995-07	.000+00	8.840-07	.000+00	1.626-09
-2.6	9.430-18	8.641-05	8.516-10	2.889-08	1.147-07	.000+00	6.307-07	.000+00	1.164-09
-2.4	2.120-17	7.814-05	6.102-10	4.114-08	6.569-08	.000+00	4.492-07	.000+00	8.323-10
-2.2	4.740-17	7.042-05	4.367-10	5.835-08	3.755-08	.000+00	3.195-07	.000+00	5.950-10
-2.0	1.054-16	6.328-05	3.125-10	8.240-08	2.143-08	.000+00	2.269-07	.000+00	4.254-10
-1.8	2.328-16	5.671-05	2.236-10	1.158-07	1.222-08	.000+00	1.610-07	.000+00	3.044-10
-1.6	5.102-16	5.071-05	1.602-10	1.620-07	6.975-09	.000+00	1.140-07	.000+00	2.181-10
-1.4	1.108-15	4.524-05	1.150-10	2.252-07	3.985-09	.000+00	8.069-08	.000+00	1.567-10
-1.2	2.375-15	4.027-05	8.283-11	3.107-07	2.282-09	.000+00	5.702-08	.000+00	1.129-10
-1.0	5.013-15	3.576-05	5.988-11	4.244-07	1.312-09	.000+00	4.024-08	.000+00	8.172-11
-.8	1.037-14	3.169-05	4.352-11	5.728-07	7.584-10	.000+00	2.834-08	.000+00	5.951-11
-.6	2.092-14	2.800-05	3.185-11	7.612-07	4.416-10	.000+00	1.993-08	.000+00	4.369-11
-.4	4.089-14	2.467-05	2.350-11	9.923-07	2.595-10	.000+00	1.398-08	.000+00	3.239-11
-.2	7.702-14	2.167-05	1.751-11	1.265-06	1.543-10	.000+00	9.778-09	.000+00	2.430-11
.0	1.391-13	1.898-05	1.320-11	1.570-06	9.294-11	.000+00	6.823-09	.000+00	1.848-11
.2	2.401-13	1.658-05	1.005-11	1.895-06	5.681-11	.000+00	4.768-09	.000+00	1.426-11
.4	3.957-13	1.446-05	7.746-12	2.220-06	3.527-11	.000+00	3.298-09	.000+00	1.117-11
.6	6.236-13	1.259-05	6.031-12	2.528-06	2.224-11	.000+00	2.288-09	.000+00	8.891-12
.8	9.432-13	1.097-05	4.739-12	2.803-06	1.425-11	.000+00	1.588-09	.000+00	7.170-12
1.0	1.377-12	9.589-06	3.754-12	3.034-06	9.282-12	.000+00	1.105-09	.000+00	5.877-12
1.2	1.956-12	8.426-06	2.997-12	3.223-06	6.151-12	.000+00	7.725-10	.000+00	4.891-12
1.4	2.726-12	7.475-06	2.410-12	3.378-06	4.155-12	.000+00	5.450-10	.000+00	4.139-12
1.6	3.775-12	6.731-06	1.954-12	3.520-06	2.873-12	.000+00	3.899-10	.000+00	3.568-12
.8	5.278-12	6.202-06	1.602-12	3.687-06	2.047-12	.000+00	2.852-10	.000+00	3.149-12
2.0	7.620-12	5.922-06	1.336-12	3.939-06	1.521-12	.000+00	2.158-10	.000+00	2.867-12
2.2	1.173-11	5.976-06	1.145-12	4.384-06	1.201-12	.000+00	1.722-10	.000+00	2.730-12

T= 5000

LOG C	A**	C*	C**	NF*	%	D	A	C	NE
-7.0	.000+00	6.592-05	6.784-19	3.562-15	7.799-01	2.104-01	4.694-03	9.921-05	1.598-05
-6.8	.000+00	5.649-05	4.602-19	2.814-15	7.799-01	2.108-01	4.701-03	1.391-04	1.510-05
-6.6	.000+00	4.758-05	3.066-19	2.219-15	7.770-01	2.113-01	4.711-03	1.163-04	1.513-05
-6.4	.000+00	3.992-05	2.001-19	1.744-15	7.737-01	2.120-01	4.725-03	1.234-04	1.518-05
-6.2	.000+00	3.358-05	1.274-19	1.369-15	7.686-01	2.130-01	4.746-03	1.291-04	1.525-05
-6.0	.000+00	2.859-05	7.867-20	1.066-15	7.606-01	2.144-01	4.778-03	1.333-04	1.535-05
-5.8	.000+00	2.015-05	4.672-20	8.250-16	7.447-01	2.166-01	4.826-03	1.366-04	1.550-05
-5.6	.000+00	1.508-05	2.641-20	6.329-16	7.315-01	2.196-01	4.893-03	1.331-04	1.572-05
-5.4	.000+00	1.077-05	1.404-20	4.799-16	7.076-01	2.237-01	4.986-03	1.277-04	1.601-05
-5.2	.000+00	7.289-06	6.972-21	3.601-16	6.762-01	2.291-01	5.108-03	1.183-04	1.641-05
-5.0	.000+00	4.641-06	3.284-21	2.677-16	6.368-01	2.359-01	5.260-03	1.041-04	1.690-05
-4.8	.000+00	2.770-06	1.363-21	1.973-16	5.903-01	2.440-01	5.441-03	8.720-05	1.748-05
-4.6	.000+00	1.554-06	5.403-22	1.446-16	5.380-01	2.530-01	5.643-03	6.922-05	1.812-05
-4.4	.000+00	8.246-07	2.015-22	1.055-16	4.823-01	2.625-01	5.859-03	5.229-05	1.882-05
-4.2	.000+00	4.184-07	7.168-23	7.672-17	4.254-01	2.723-01	6.079-03	3.786-05	1.953-05
-4.0	.000+00	2.051-07	2.461-23	5.564-17	3.696-01	2.818-01	6.295-03	2.650-05	2.022-05
-3.8	.000+00	9.804-08	8.244-24	4.025-17	3.168-01	2.908-01	6.500-03	1.808-05	2.088-05
-3.6	.000+00	4.605-08	2.715-24	2.905-17	2.682-01	2.989-01	6.689-03	1.210-05	2.149-05
-3.4	.000+00	2.135-08	8.848-25	2.093-17	2.246-01	3.062-01	6.859-03	7.992-06	2.203-05
-3.2	.000+00	9.819-09	2.862-25	1.504-17	1.864-01	3.124-01	7.009-03	5.224-06	2.251-05
-3.0	.000+00	4.488-09	9.220-26	1.079-17	1.535-01	3.176-01	7.138-03	3.340-06	2.293-05
-2.8	.000+00	2.044-09	2.963-26	7.732-18	1.255-01	3.217-01	7.249-03	2.188-06	2.328-05
-2.6	.000+00	9.286-10	9.515-27	5.533-18	1.021-01	3.249-01	7.344-03	1.407-06	2.359-05
-2.4	.000+00	4.215-10	3.056-27	3.957-18	8.270-02	3.271-01	7.424-03	9.031-07	2.385-05
-2.2	.000+00	1.913-10	9.834-28	2.829-18	6.673-02	3.285-01	7.493-03	5.787-07	2.407-05
-2.0	.000+00	8.695-11	3.173-28	2.022-18	5.369-02	3.294-01	7.552-03	3.707-07	2.426-05
-1.8	.000+00	3.961-11	1.028-28	1.447-18	4.309-02	3.282-01	7.604-03	2.377-07	2.442-05
-1.6	.000+00	1.811-11	3.350-29	1.037-18	3.453-02	3.266-01	7.652-03	1.526-07	2.458-05
-1.4	.000+00	8.327-12	1.101-29	7.447-19	2.763-02	3.237-01	7.698-03	9.827-08	2.472-05
-1.2	.000+00	3.857-12	3.657-30	5.366-19	2.209-02	3.193-01	7.744-03	6.355-08	2.487-05
-1.0	.000+00	1.805-12	1.233-30	3.884-19	1.766-02	3.133-01	7.793-03	4.134-08	2.503-05
-.8	.000+00	8.556-13	4.236-31	2.828-19	1.411-02	3.051-01	7.848-03	2.710-08	2.521-05
-.6	.000+00	4.125-13	1.489-31	2.076-19	1.128-02	2.945-01	7.911-03	1.794-08	2.541-05
-.4	.000+00	2.030-13	5.396-32	1.538-19	9.022-03	2.811-01	7.984-03	1.202-08	2.564-05
-.2	.000+00	1.024-13	2.026-32	1.159-19	7.222-03	2.649-01	8.069-03	8.163-09	2.592-05
.0	.000+00	5.301-14	7.897-33	8.759-20	5.787-03	2.457-01	8.164-03	5.626-09	2.622-05
.2	.000+00	2.824-14	3.212-33	6.747-20	4.640-03	2.244-01	8.269-03	3.935-09	2.656-05
.4	.000+00	1.547-14	1.363-33	5.272-20	3.721-03	2.014-01	8.381-03	2.790-09	2.692-05
.6	.000+00	8.703-15	.000+00	4.176-20	2.994-03	1.777-01	8.498-03	2.000-09	2.729-05
.8	.000+00	5.017-15	.000+00	3.351-20	2.391-03	1.542-01	8.608-03	1.446-09	2.765-05
1.0	.000+00	2.944-15	.000+00	2.720-20	1.913-03	1.319-01	8.715-03	1.049-09	2.799-05
1.2	.000+00	1.758-15	.000+00	2.229-20	1.526-03	1.111-01	8.815-03	7.615-10	2.831-05
1.4	.000+00	1.063-15	.000+00	1.841-20	1.213-03	9.241-02	8.904-03	5.499-10	2.860-05
1.6	.000+00	6.486-16	.000+00	1.528-20	9.597-04	7.584-02	8.984-03	3.929-10	2.886-05
1.8	.000+00	3.984-16	.000+00	1.270-20	7.532-04	6.137-02	9.054-03	2.758-10	2.908-05
2.0	.000+00	2.458-16	.000+00	1.051-20	5.843-04	4.885-02	9.117-03	1.484-10	2.928-05
2.2	.000+00	1.523-16	.000+00	8.619-21	4.455-04	3.806-02	9.171-03	1.235-10	2.946-05

T= 5000

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.387-03	1.99841+00	2.32868+01	2.52744+01	7.72905+01	-5.43841+00	1.99861+00
-6.8	1.111-03	1.98671+00	2.32129+01	2.51996+01	7.63030+01	-5.23904+00	1.98671+00
-6.6	8.925-04	1.98260+00	2.31153+01	2.50976+01	7.52916+01	-5.03994+00	1.98260+00
-6.4	7.202-04	1.97659+00	2.29759+01	2.49525+01	7.42402+01	-4.84126+00	1.97659+00
-6.2	5.851-04	1.96767+00	2.27719+01	2.47395+01	7.31279+01	-4.64322+00	1.96767+00
-6.0	4.801-04	1.95451+00	2.24730+01	2.44275+01	7.19257+01	-4.44614+00	1.95451+00
-5.8	3.993-04	1.93547+00	2.20426+01	2.39781+01	7.05594+01	-4.25039+00	1.93547+00
-5.6	3.378-04	1.90887+00	2.14422+01	2.33511+01	6.91135+01	-4.05640+00	1.90887+00
-5.4	2.917-04	1.87337+00	2.06420+01	2.25154+01	6.74421+01	-3.86455+00	1.87337+00
-5.2	2.574-04	1.82860+00	1.96335+01	2.14621+01	6.55809+01	-3.67506+00	1.82860+00
-5.0	2.318-04	1.77559+00	1.84399+01	2.02155+01	6.35572+01	-3.49783+00	1.77559+00
-4.8	2.122-04	1.71672+00	1.71167+01	1.88314+01	6.14277+01	-3.30248+00	1.71672+00
-4.6	1.966-04	1.65518+00	1.57297+01	1.73945+01	5.92663+01	-3.11833+00	1.65518+00
-4.4	1.833-04	1.59420+00	1.43575+01	1.59517+01	5.71461+01	-2.93463+00	1.59420+00
-4.2	1.712-04	1.53642+00	1.30580+01	1.46944+01	5.51260+01	-2.75067+00	1.53642+00
-4.0	1.598-04	1.48366+00	1.18718+01	1.33555+01	5.32447+01	-2.56584+00	1.48366+00
-3.8	1.485-04	1.43687+00	1.08205+01	1.22574+01	5.15212+01	-2.37976+00	1.43687+00
-3.6	1.376-04	1.39630+00	9.91005+00	1.13066+01	4.99587+01	-2.19220+00	1.39630+00
-3.4	1.267-04	1.36174+00	9.13568+00	1.04974+01	4.85495+01	-2.00308+00	1.36174+00
-3.2	1.162-04	1.33268+00	8.48617+00	9.81885+00	4.72798+01	-1.81245+00	1.33268+00
-3.0	1.060-04	1.30848+00	7.94709+00	9.25557+00	4.61328+01	-1.62041+00	1.30847+00
-2.8	9.634-05	1.28842+00	7.50310+00	8.79152+00	4.50910+01	-1.42712+00	1.28842+00
-2.6	8.721-05	1.27183+00	7.13926+00	8.41110+00	4.41378+01	-1.23275+00	1.27183+00
-2.4	7.868-05	1.25809+00	6.84183+00	8.09990+00	4.32579+01	-1.03747+00	1.25807+00
-2.2	7.077-05	1.24658+00	6.59851+00	7.84509+00	4.24380+01	-8.41460-01	1.24657+00
-2.0	6.349-05	1.23681+00	6.39855+00	7.63537+00	4.16663+01	-6.44870-01	1.23680+00
-1.8	5.681-05	1.22832+00	6.23256+00	7.46088+00	4.09327+01	-4.47870-01	1.22827+00
-1.6	5.070-05	1.22066+00	6.09230+00	7.31295+00	4.02286+01	-2.50580-01	1.22061+00
-1.4	4.513-05	1.21342+00	5.97045+00	7.18387+00	3.95463+01	-5.31600-02	1.21336+00
-1.2	4.005-05	1.20623+00	5.86035+00	7.06657+00	3.88790+01	1.44250-01	1.20612+00
-1.0	3.542-05	1.19868+00	5.75581+00	6.95449+00	3.82207+01	3.41530-01	1.19851+00
-.8	3.118-05	1.19041+00	5.65109+00	6.84150+00	3.75659+01	5.38520-01	1.19014+00
-.6	2.730-05	1.18110+00	5.54105+00	6.72215+00	3.69097+01	7.35110-01	1.18068+00
-.4	2.373-05	1.17053+00	5.42161+00	6.59214+00	3.62487+01	9.31210-01	1.16988+00
-.2	2.046-05	1.15865+00	5.29041+00	6.44900+00	3.55812+01	1.12678+00	1.15763+00
.0	1.746-05	1.14565+00	5.14745+00	6.29310+00	3.49076+01	1.32187+00	1.14404+00
.2	1.473-05	1.13197+00	4.99526+00	6.12723+00	3.42310+01	1.51666+00	1.12946+00
.4	1.228-05	1.11831+00	4.83842+00	5.95673+00	3.35560+01	1.71139+00	1.11433+00
.6	1.010-05	1.10553+00	4.68256+00	5.78809+00	3.28881+01	1.90639+00	1.09960+00
.8	8.206-06	1.09460+00	4.53313+00	5.62773+00	3.22322+01	2.10208+00	1.08503+00
1.0	6.588-06	1.08667+00	4.39447+00	5.48113+00	3.15914+01	2.29892+00	1.07163+00
1.2	5.234-06	1.08309+00	4.26943+00	5.35252+00	3.09670+01	2.49749+00	1.05962+00
1.4	4.124-06	1.08574+00	4.15960+00	5.24514+00	3.03579+01	2.69855+00	1.04994+00
1.6	3.235-06	1.09739+00	4.06458+00	5.16197+00	2.97608+01	2.90318+00	1.03967+00
1.8	2.538-06	1.12230+00	3.98446+00	5.10676+00	2.91702+01	3.11293+00	1.03154+00
2.0	2.006-06	1.16715+00	3.91820+00	5.08537+00	2.85777+01	3.32995+00	1.02650+00
2.2	1.614-06	1.24228+00	3.86508+00	5.10736+00	2.79712+01	3.55704+00	1.01920+00

T= 5100

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.313-03	2.697-09	1.011-06	4.059-07	1.449-15	5.360-17	2.284-15	2.389-07	3.517-10
-6.8	2.076-03	4.283-09	1.602-06	7.102-07	4.020-15	1.347-16	5.727-15	2.962-07	4.415-10
-6.6	3.277-03	6.804-09	2.537-06	1.226-06	1.100-14	3.382-16	1.433-14	3.690-07	5.536-10
-6.4	5.157-03	1.081-08	4.013-06	2.087-06	2.970-14	8.480-16	3.576-14	4.573-07	6.930-10
-6.2	8.079-03	1.720-08	6.334-06	3.507-06	7.911-14	2.122-15	8.881-14	5.625-07	8.652-10
-6.0	1.259-02	2.739-08	9.972-06	5.813-06	2.078-13	5.296-15	2.191-13	6.837-07	1.076-09
-5.8	1.938-02	4.372-08	1.564-05	9.492-06	5.379-13	1.316-14	5.352-13	8.171-07	1.332-09
-5.6	2.945-02	6.998-08	2.437-05	1.523-05	1.368-12	3.254-14	1.289-12	9.532-07	1.637-09
-5.4	4.390-02	1.125-07	3.776-05	2.390-05	3.403-12	7.982-14	3.045-12	1.077-06	1.994-09
-5.2	6.382-02	1.816-07	5.786-05	3.664-05	8.224-12	1.938-13	7.016-12	1.169-06	2.405-09
-5.0	9.003-02	2.949-07	8.755-05	5.359-05	1.916-11	4.648-13	1.568-11	1.212-06	2.869-09
-4.8	1.227-01	4.812-07	1.306-04	7.526-05	4.263-11	1.098-12	3.387-11	1.196-06	3.389-09
-4.6	1.613-01	7.885-07	1.918-04	1.004-04	9.006-11	2.554-12	7.054-11	1.124-06	3.970-09
-4.4	2.044-01	1.295-06	2.765-04	1.266-04	1.803-10	5.839-12	1.417-10	1.009-06	4.619-09
-4.2	2.504-01	2.130-06	3.924-04	1.524-04	3.433-10	1.313-11	2.749-10	8.700-07	5.367-09
-4.0	2.972-01	3.498-06	5.479-04	1.754-04	6.258-10	2.903-11	5.167-10	7.247-07	6.164-09
-3.8	3.430-01	5.733-06	7.535-04	1.950-04	1.102-09	6.324-11	9.446-10	5.864-07	7.003-09
-3.6	3.863-01	9.366-06	1.022-03	2.110-04	1.886-09	1.358-10	1.685-09	4.632-07	8.114-09
-3.4	4.261-01	1.524-05	1.369-03	2.240-04	3.173-09	2.881-10	2.942-09	3.586-07	9.268-09
-3.2	4.617-01	2.476-05	1.814-03	2.342-04	5.252-09	6.042-10	5.045-09	2.731-07	1.055-08
-3.0	4.928-01	3.965-05	2.381-03	2.424-04	8.599-09	1.255-09	8.520-09	2.051-07	1.199-08
-2.8	5.196-01	6.404-05	3.100-03	2.489-04	1.396-08	2.583-09	1.421-08	1.525-07	1.358-08
-2.6	5.423-01	1.025-04	4.006-03	2.540-04	2.252-08	5.275-09	2.363-08	1.123-07	1.533-08
-2.4	5.613-01	1.633-04	5.145-03	2.582-04	3.615-08	1.070-08	3.829-08	8.215-08	1.727-08
-2.2	5.769-01	2.592-04	6.571-03	2.615-04	5.776-08	2.155-08	6.209-08	5.977-08	1.941-08
-2.0	5.898-01	4.097-04	8.352-03	2.643-04	9.194-08	4.315-08	9.998-08	4.331-08	2.174-08
-1.8	6.002-01	6.442-04	1.057-02	2.666-04	1.458-07	8.584-08	1.600-07	3.129-08	2.427-08
-1.6	6.085-01	.007-03	1.330-02	2.685-04	2.304-07	1.696-07	2.545-07	2.258-08	2.700-08
-1.4	6.153-01	1.565-03	1.667-02	2.703-04	3.627-07	3.323-07	4.024-07	1.628-08	2.991-08
-1.2	6.207-01	2.412-03	2.078-02	2.718-04	5.681-07	6.452-07	6.322-07	1.175-08	3.295-08
-1.0	6.252-01	3.672-03	2.574-02	2.733-04	8.849-07	1.238-06	9.862-07	8.498-09	3.606-08
-.8	6.289-01	5.519-03	3.166-02	2.748-04	1.368-06	2.343-06	1.526-06	6.170-09	3.912-08
-.6	6.323-01	8.156-03	3.859-02	2.762-04	2.097-06	4.355-06	2.339-06	4.506-09	4.199-08
-.4	6.356-01	1.180-02	4.653-02	2.776-04	3.178-06	7.921-06	3.544-06	3.317-09	4.469-08
-.2	6.390-01	1.664-02	5.540-02	2.789-04	4.749-06	1.404-05	5.299-06	2.467-09	4.640-08
.0	6.427-01	2.278-02	6.501-02	2.799-04	6.984-06	2.418-05	7.807-06	1.857-09	4.754-08
.2	6.469-01	3.019-02	7.508-02	2.804-04	1.009-05	4.032-05	1.132-05	1.418-09	4.780-08
.4	6.519-01	3.868-02	8.528-02	2.801-04	1.427-05	6.509-05	1.613-05	1.099-09	4.714-08
.6	6.565-01	4.791-02	9.526-02	2.786-04	1.978-05	1.018-04	2.267-05	8.664-10	4.565-08
.8	6.616-01	5.747-02	1.047-01	2.755-04	2.686-05	1.548-04	3.121-05	6.940-10	4.351-08
1.0	6.667-01	6.695-02	1.134-01	2.706-04	3.573-05	2.300-04	4.244-05	5.654-10	4.095-08
1.2	6.716-01	7.600-02	1.212-01	2.633-04	4.662-05	3.360-04	5.696-05	4.686-10	3.821-08
1.4	6.762-01	8.437-02	1.281-01	2.535-04	5.975-05	4.870-04	7.557-05	3.957-10	3.552-08
1.6	6.804-01	9.190-02	1.339-01	2.410-04	7.536-05	7.082-04	9.924-05	3.415-10	3.310-08
1.8	6.842-01	9.853-02	1.388-01	2.255-04	9.347-05	1.050-03	1.292-04	3.026-10	3.116-08
2.0	6.876-01	1.042-01	1.427-01	2.068-04	1.145-04	1.623-03	1.667-04	2.781-10	2.996-08
2.2	6.907-01	1.089-01	1.455-01	1.849-04	1.386-04	2.703-03	2.133-04	2.690-10	2.986-08

T= 5100

LOG C	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	3.333-25	2.254-05	1.089-09	2.345-11	1.265-03	.000+00	5.644-04	.000+00	1.138-06
-6.8	6.698-25	2.824-05	2.613-09	2.971-11	9.594-04	.000+00	4.468-04	.000+00	9.004-07
-6.6	1.348-24	3.529-05	3.560-09	3.772-11	7.278-04	.000+00	3.534-04	.000+00	7.118-07
-6.4	2.720-24	4.396-05	4.774-09	4.800-11	6.190-04	.000+00	2.790-04	.000+00	5.618-07
-6.2	5.511-24	5.447-05	6.297-09	6.135-11	4.838-04	.000+00	2.197-04	.000+00	4.424-07
-6.0	1.126-23	6.699-05	8.152-09	7.893-11	3.753-04	.000+00	1.725-04	.000+00	3.474-07
-5.8	2.313-23	8.144-05	1.032-08	1.025-10	2.880-04	.000+00	1.347-04	.000+00	2.711-07
-5.6	4.823-23	9.755-05	1.272-08	1.348-10	2.176-04	.000+00	1.044-04	.000+00	2.102-07
-5.4	1.023-22	1.144-04	1.513-08	1.804-10	1.611-04	.000+00	8.026-05	.000+00	1.616-07
-5.2	2.212-22	1.309-04	1.723-08	2.462-10	1.163-04	.000+00	6.107-05	.000+00	1.230-07
-5.0	4.887-22	1.456-04	1.861-08	3.433-10	8.162-05	.000+00	4.598-05	.000+00	9.260-08
-4.8	1.102-21	1.572-04	1.892-08	4.884-10	5.561-05	.000+00	3.428-05	.000+00	6.905-08
-4.6	2.525-21	1.649-04	1.803-08	7.067-10	3.662-05	.000+00	2.534-05	.000+00	5.106-08
-4.4	5.858-21	1.686-04	1.614-08	1.035-09	2.375-05	.000+00	1.861-05	.000+00	3.751-08
-4.2	1.368-20	1.684-04	1.366-08	1.525-09	1.498-05	.000+00	1.360-05	.000+00	2.742-08
-4.0	3.202-20	1.650-04	1.103-08	2.254-09	9.268-06	.000+00	9.898-06	.000+00	1.997-08
-3.8	7.487-20	1.591-04	8.597-09	3.327-09	5.642-06	.000+00	7.181-06	.000+00	1.450-08
-3.6	1.744-19	1.514-04	6.526-09	4.895-09	3.389-06	.000+00	5.195-06	.000+00	1.050-08
-3.4	4.045-19	1.423-04	4.861-09	7.170-09	2.013-06	.000+00	3.748-06	.000+00	7.580-09
-3.2	9.329-19	1.326-04	3.573-09	1.045-08	1.184-06	.000+00	2.697-06	.000+00	5.462-09
-3.0	2.140-18	1.225-04	2.602-09	1.515-08	6.915-07	.000+00	1.936-06	.000+00	3.928-09
-2.8	4.880-18	1.123-04	1.883-09	2.184-08	4.012-07	.000+00	1.386-06	.000+00	2.819-09
-2.6	1.107-17	1.025-04	1.357-09	3.135-08	2.316-07	.000+00	9.908-07	.000+00	2.021-09
-2.4	2.498-17	9.302-05	9.746-10	4.480-08	1.331-07	.000+00	7.068-07	.000+00	1.447-09
-2.2	5.604-17	8.410-05	6.988-10	6.373-08	7.629-08	.000+00	5.034-07	.000+00	1.035-09
-2.0	1.250-16	7.577-05	5.006-10	9.025-08	4.363-08	.000+00	3.580-07	.000+00	7.407-10
-1.8	2.771-16	6.806-05	3.585-10	1.272-07	2.493-08	.000+00	2.542-07	.000+00	5.302-10
-1.6	6.098-16	6.097-05	2.570-10	1.785-07	1.424-08	.000+00	1.803-07	.000+00	3.799-10
-1.4	1.330-15	5.449-05	1.844-10	2.488-07	8.136-09	.000+00	1.277-07	.000+00	2.727-10
-1.2	2.868-15	4.859-05	1.327-10	3.445-07	4.658-09	.000+00	9.034-08	.000+00	1.963-10
-1.0	6.096-15	4.323-05	9.582-11	4.729-07	2.675-09	.000+00	6.382-08	.000+00	1.410-10
-.8	1.273-14	3.837-05	6.953-11	6.417-07	1.544-09	.000+00	4.502-08	.000+00	1.031-10
-.6	2.597-14	3.397-05	5.077-11	8.587-07	8.967-10	.000+00	3.170-08	.000+00	7.550-11
-.4	5.148-14	3.000-05	3.737-11	1.129-06	5.253-10	.000+00	2.228-08	.000+00	5.578-11
-.2	9.858-14	2.642-05	2.777-11	1.453-06	3.110-10	.000+00	1.562-08	.000+00	4.167-11
.0	1.614-13	2.321-05	2.086-11	1.824-06	1.866-10	.000+00	1.093-08	.000+00	3.154-11
.2	3.193-13	2.034-05	1.585-11	2.228-06	1.135-10	.000+00	7.634-09	.000+00	2.423-11
.4	5.369-13	1.780-05	1.219-11	2.643-06	7.016-11	.000+00	5.322-09	.000+00	1.890-11
.6	8.626-13	1.556-05	9.488-12	3.045-06	4.408-11	.000+00	3.707-09	.000+00	1.498-11
.8	1.328-12	1.361-05	7.462-12	3.413-06	2.816-11	.000+00	2.583-09	.000+00	1.206-11
1.0	1.970-12	1.194-05	5.976-12	3.730-06	1.829-11	.000+00	1.804-09	.000+00	9.864-12
1.2	2.836-12	1.053-05	4.749-12	3.995-06	1.210-11	.000+00	1.266-09	.000+00	8.201-12
1.4	3.998-12	9.377-06	3.841-12	4.217-06	8.168-12	.000+00	8.966-10	.000+00	6.937-12
1.6	5.590-12	8.472-06	3.137-12	4.420-06	5.644-12	.000+00	6.436-10	.000+00	5.983-12
1.8	7.877-12	7.830-06	2.596-12	4.652-06	4.021-12	.000+00	4.721-10	.000+00	5.287-12
2.0	1.144-11	7.498-06	2.188-12	4.988-06	2.886-12	.000+00	3.581-10	.000+00	4.823-12
2.2	1.771-11	7.584-06	1.899-12	5.568-06	2.357-12	.000+00	2.861-10	.000+00	4.606-12

T= 5100

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	.000+00	7.444-05	1.720-19	7.034-15	7.800-01	2.100-01	4.687-03	9.381-05	1.506-05
-6.8	.000+00	6.493-05	1.[illegible]-19	5.567-15	7.796-01	2.104-01	4.691-03	1.302-04	1.508-05
-6.6	.000+00	5.[illegible]-05	8.047-[illegible]	4.409-15	7.786-01	2.108-01	4.700-03	1.091-04	1.510-05
-6.4	.000+00	4.719-05	4.358-19	3.473-15	7.767-01	2.113-01	4.710-03	1.172-04	1.513-05
-6.2	.000+00	3.927-05	3.500-19	2.735-15	7.734-01	2.120-01	4.725-03	1.262-04	1.518-05
-6.0	.000+00	3.207-05	2.233-19	2.146-15	7.682-01	2.130-01	4.747-03	1.293-04	1.525-05
-5.8	.000+00	2.562-05	1.393-19	1.676-15	7.601-01	2.145-01	4.780-03	1.336-04	1.535-05
-5.6	.000+00	1.991-05	8.253-20	1.299-15	7.480-01	2.166-01	4.829-03	1.354-04	1.551-05
-5.4	.000+00	1.495-05	4.696-20	9.988-16	7.306-01	2.197-01	4.896-03	1.361-04	1.573-05
-5.2	.000+00	1.074-05	2.520-20	7.601-16	7.064-01	2.239-01	4.990-03	1.391-04	1.603-05
-5.0	.000+00	7.323-06	1.263-20	5.724-16	6.746-01	2.296-01	5.113-03	1.397-04	1.642-05
-4.8	.000+00	4.698-06	5.864-21	4.268-16	6.350-01	2.367-01	5.267-03	1.061-04	1.692-05
-4.6	.000+00	2.827-06	2.522-21	3.156-16	5.891-01	2.443-01	5.449-03	8.932-05	1.750-05
-4.4	.000+00	1.597-06	1.009-21	2.319-16	5.357-01	2.533-01	5.652-03	7.125-05	1.815-05
-4.2	.000+00	8.523-07	3.746-22	1.695-16	4.748-01	2.629-01	5.868-03	5.605-05	1.885-05
-4.0	.000+00	4.349-07	1.359-22	1.234-16	4.230-01	2.726-01	6.089-03	3.927-05	1.956-05
-3.8	.000+00	2.140-07	4.688-23	8.961-17	3.673-01	2.821-01	6.305-03	2.756-05	2.025-05
-3.6	.000+00	1.026-07	1.576-23	6.488-17	3.146-01	2.910-01	6.509-03	1.884-05	2.091-05
-3.4	.000+00	4.926-08	5.206-24	4.686-17	2.662-01	2.991-01	6.697-03	1.263-05	2.151-05
-3.2	.000+00	2.241-08	1.700-24	3.376-17	2.229-01	3.062-01	6.867-03	8.343-06	2.206-05
-3.0	.000+00	1.032-08	5.509-25	2.429-17	1.849-01	3.123-01	7.016-03	5.457-06	2.253-05
-2.8	.000+00	4.722-09	1.777-25	1.743-17	1.522-01	3.174-01	7.145-03	3.543-06	2.295-05
-2.6	.000+00	2.152-09	5.721-26	1.249-17	1.244-01	3.214-01	7.256-03	2.289-06	2.331-05
-2.4	.000+00	9.792-10	1.841-26	8.943-18	1.012-01	3.244-01	7.350-03	1.473-06	2.361-05
-2.2	.000+00	4.451-10	5.925-27	6.399-18	8.196-02	3.264-01	7.431-03	9.459-07	2.387-05
-2.0	.000+00	2.024-10	1.911-27	4.579-18	6.613-02	3.276-01	7.500-03	6.068-07	2.409-05
-1.8	.000+00	9.219-11	6.188-28	3.277-18	5.320-02	3.274-01	7.560-03	3.893-07	2.428-05
-1.6	.000+00	4.212-11	2.013-28	2.348-18	4.270-02	3.264-01	7.614-03	2.500-07	2.446-05
-1.4	.000+00	1.933-11	6.598-29	1.686-18	3.422-02	3.242-01	7.664-03	1.609-07	2.462-05
-1.2	.000+00	8.931-12	2.184-29	1.213-18	2.739-02	3.206-01	7.713-03	1.039-07	2.477-05
-1.0	.000+00	4.163-12	7.322-30	8.769-19	2.190-02	3.153-01	7.763-03	6.744-08	2.496-05
-.8	.000+00	1.964-12	2.497-30	6.372-19	1.751-02	3.082-01	7.817-03	4.407-08	2.511-05
-.6	.000+00	9.405-13	8.706-31	4.664-19	1.400-02	2.987-01	7.878-03	2.906-08	2.530-05
-.4	.000+00	4.591-13	3.117-31	3.444-19	1.120-02	2.866-01	7.948-03	1.937-08	2.553-05
-.2	.000+00	2.293-13	1.155-31	2.571-19	8.960-03	2.716-01	8.028-03	1.308-08	2.579-05
.0	.000+00	1.175-13	4.444-32	1.944-19	7.177-03	2.538-01	8.120-03	8.959-09	2.608-05
.2	.000+00	6.196-14	1.782-32	1.491-19	5.752-03	2.335-01	8.222-03	6.227-09	2.641-05
.4	.000+00	3.363-14	7.483-33	1.160-19	4.612-03	2.112-01	8.331-03	4.391-09	2.676-05
.6	.000+00	1.876-14	3.262-33	9.157-20	3.698-03	1.877-01	8.445-03	3.134-09	2.713-05
.8	.000+00	1.074-14	1.484-33	7.327-20	2.963-03	1.642-01	8.559-03	2.258-09	2.749-05
1.0	.000+00	6.285-15	.000+00	5.935-20	2.371-03	1.413-01	8.669-03	1.637-09	2.785-05
1.2	.000+00	3.748-15	.000+00	4.859-20	1.893-03	1.197-01	8.772-03	1.188-09	2.818-05
1.4	.000+00	2.269-15	.000+00	4.012-20	1.505-03	1.001-01	8.867-03	8.594-10	2.848-05
1.6	.000+00	1.389-15	.000+00	3.331-20	1.191-03	8.249-02	8.952-03	6.167-10	2.875-05
1.8	.000+00	8.585-16	.000+00	2.771-20	9.352-04	6.700-02	9.027-03	4.352-10	2.900-05
2.0	.000+00	5.341-16	.000+00	2.300-20	7.259-04	5.350-02	9.094-03	2.993-10	2.921-05
2.2	.000+00	3.345-16	.000+00	1.892-20	5.537-04	4.180-02	9.155-03	1.979-10	2.941-05

T= 5100

LOG D	E-	I	E/RT	M/RT	S/R	LOG P	I*
-7.0	1.928-03	1.99214+00	2.29672+01	2.49593+01	7.743C9+01	-5.42926+00	1.99214+00
-6.8	1.541-03	1.98983+00	2.29073+01	2.48971+01	7.[illegible]	[illegible]	1.98983+00
-6.6	1.233-03	1.98682+00	2.28336+01	2.48204+01	7.54647+01	-5.C3042+00	1.98682+00
-6.4	9.901-04	1.98260+00	2.27347+01	2.47173+01	7.44517+01	-4.83134+00	1.98260+00
-6.2	7.983-04	1.97644+00	2.25943+01	2.45707+01	7.33996+01	-4.63269+00	1.97644+00
-6.0	6.479-04	1.96733+00	2.23897+01	2.43570+01	7.22869+01	-4.43470+00	1.96733+00
-5.8	5.308-04	1.95393+00	2.20910+01	2.40445+01	7.1C651+01	-4.23767+00	1.95393+00
-5.6	4.406-04	1.93458+00	2.16618+01	2.35964+01	6.97603+01	-4.04199+00	1.93458+00
-5.4	3.720-04	1.90760+00	2.10647+01	2.29723+01	6.82781+01	-3.84809+00	1.90760+00
-5.2	3.204-04	1.87168+00	2.02708+01	2.21424+01	6.66137+01	-3.65634+00	1.87168+00
-5.0	2.819-04	1.82651+00	1.92731+01	2.10998+01	6.47641+01	-3.46695+00	1.82651+00
-4.8	2.531-04	1.77318+00	1.80956+01	1.98688+01	6.27576+01	-3.27982+00	1.77318+00
-4.6	2.311-04	1.71411+00	1.67919+01	1.85061+01	6.06508+01	-3.09454+00	1.71411+00
-4.4	2. 36-04	1.65252+00	1.54328+01	1.70853+01	5.85165+01	-2.91043+00	1.65252+00
-4.2	1.988-04	1.59160+00	1.40891+01	1.56807+01	5.64259+01	-2.72674+00	1.59160+00
-4.0	1.854-04	1.53399+00	1.28188+01	1.43527+01	5.44361+01	-2.54275+00	1.53399+00
-3.8	1.728-04	1.48145+00	1.16608+01	1.31423+01	5.25841+01	-2.35789+00	1.48145+00
-3.6	1.606-04	1.43489+00	1.06356+01	1.20705+01	5.08877+01	-2.17176+00	1.43489+00
-3.4	1.485-04	1.39456+00	9.76850+00	1.11431+01	4.93493+01	-1.98414+00	1.39456+00
-3.2	1.368-04	1.36020+00	8.99437+00	1.03546+01	4.75611+01	-1.79477+00	1.36020+00
-3.0	1.253-04	1.33131+00	8.36204+00	9.69335+00	4.67093+01	-1.60430+00	1.33131+00
-2.8	1.143-04	1.30723+00	7.83726+00	9.14469+00	4.59771+01	-1.41222+00	1.30723+00
-2.6	1.038-04	1.28725+00	7.41492+00	8.69217+00	4.45476+01	-1.21891+00	1.28725+00
-2.4	9.392-05	1.27069+00	7.050+00	8.32109+00	4.36042+01	-1.02454+00	1.27068+00
-2.2	8.469-05	1.25691+00	6.76019+00	8.01210+00	4.27321+01	-8.29270-01	1.25690+00
-2.0	7.614-05	1.24532+00	6.52227+00	7.76755+00	4.19181+01	-6.33300-01	1.24530+00
-1.8	6.827-05	1.23540+00	6.32601+00	7.56141+00	4.11507+01	-4.36770-01	1.23537+00
-1.6	6.104-05	1.22667+00	6.16215+00	7.38882+00	4.04199+01	-2.39850-01	1.22662+00
-1.4	5.443-05	1.21868+00	6.02251+00	7.24119+00	3.97173+01	-4.26900-02	1.21861+00
-1.2	4.839-05	1.21101+00	5.89975+00	7.11076+00	3.90351+01	1.54570-01	1.21090+00
-1.0	4.287-05	1.20325+00	5.78719+00	6.99644+00	3.83666+01	3.51780-01	1.20308+00
-.8	3.782-05	1.19502+00	5.67866+00	6.87369+00	3.77058+01	5.48800-01	1.19476+00
-.6	3.319-05	1.18597+00	5.56857+00	6.75454+00	3.7C474+01	7.45500-01	1.18575+00
-.4	2.894-05	1.17582+00	5.45219+00	6.62801+00	3.63872+01	9.41760-01	1.17516+00
-.2	2.504-05	1.16443+00	5.32622+00	6.49065+00	3.57223+01	1.13754+00	1.16340+00
.0	2.145-05	1.15189+00	5.18938+00	6.34128+00	3.5C521+01	1.33284+00	1.15028+00
.2	1.817-05	1.13855+00	5.04288+00	6.19143+00	3.43782+01	1.52778+00	1.13603+00
.4	1.521-05	1.12502+00	4.89020+00	6.01522+00	3.37043+01	1.7225e+00	1.12108+00
.6	1.257-05	1.11212+00	4.73633+00	5.84845+00	3.3C354+01	1.91758+00	1.10597+00
.8	1.025-05	1.10086+00	4.58666+00	5.68752+00	3.23762+01	2.11316+00	1.09125+00
1.0	8.255-06	1.09247+00	4.44596+00	5.53828+00	3.17306+01	2.30981+00	1.07739+00
1.2	6.578-06	1.08424+00	4.31735+00	5.40555+00	3.11CC1+01	2.50815+00	1.06470+00
1.4	5.197-06	1.07624+00	4.20307+00	5.29331+00	3.04845+01	2.70895+00	1.05335+00
1.6	4.085-06	1.10125+00	4.10370+00	5.20494+00	2.98810+01	2.91331+00	1.04337+00
1.8	3.210-06	1.12556+00	4.01907+00	5.14461+00	2.92842+01	3.12278+00	1.03466+00
2.0	2.540-06	1.16982+00	3.94856+00	5.11836+00	2.86861+01	3.33954+00	1.02704+00
2.2	2.C40-06	1.24437+00	3.89157+00	5.13594+00	2.8C747+01	3.56537+00	1.02022+00

T= 5200

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	8.990-04	2.172-09	7.625-07	2.273-C7	6.524-16	3.570-17	1.399-15	2.312-07	3.592-10
-6.8	1.361-03	3.490-09	1.210-06	4.025-C7	1.832-15	8.982-17	3.516-15	2.899-07	4.516-10
-6.6	2.152-03	5.461-09	1.917-06	7.030-C7	5.074-15	2.258-16	8.818-15	3.625-07	5.673-10
-6.4	3.396-03	8.709-C9	3.036-06	1.211-C6	1.386-14	5.669-16	2.207-14	4.518-07	7.117-10
-6.2	5.344-03	1.384-08	4.802-06	2.059-C6	3.736-14	1.421-15	5.504-14	5.602-07	8.915-10
-6.0	8.369-03	2.207-08	7.579-06	3.455-C6	9.938-14	3.556-15	1.367-13	6.891-07	1.114-09
-5.8	1.302-02	3.508-08	1.193-05	5.720-C6	2.608-13	8.873-15	3.369-13	8.379-07	1.387-09
-5.6	2.004-02	5.599-08	1.870-05	9.333-C6	6.745-13	2.205-14	8.222-13	1.002-06	1.719-09
-5.4	3.042-02	8.986-08	2.916-05	1.497-C5	1.715-12	5.448-14	1.978-12	1.169-06	2.117-09
-5.2	4.526-02	1.442-07	4.510-05	2.351-C5	4.268-12	1.335-13	4.664-12	1.321-06	2.584-09
-5.0	6.567-02	2.329-07	6.904-05	3.591-C5	1.033-11	3.240-13	1.072-11	1.434-06	3.125-09
-4.8	9.239-02	3.783-07	1.044-04	5.288-C5	2.410-11	7.761-13	2.391-11	1.486-06	3.739-09
-4.6	1.256-01	6.174-07	1.565-04	7.445-C5	5.377-11	1.832-12	5.148-11	1.466-06	4.429-09
-4.4	1.646-01	1.012-06	2.278-04	9.954-C5	1.139-10	4.253-12	1.069-10	1.376-06	5.200-09
-4.2	2.080-01	1.662-06	3.283-04	1.261-C4	2.287-10	9.709-12	2.141-10	1.235-06	6.063-09
-4.0	2.541-01	2.733-06	4.652-04	1.519-C4	4.363-10	2.179-11	4.142-10	1.064-06	7.030-09
-3.8	3.009-01	4.480-06	6.487-04	1.752-C4	7.967-10	4.814-11	7.768-10	8.856-07	8.114-09
-3.6	3.465-01	7.352-06	8.911-04	1.949-C4	1.404-C9	1.067-10	1.417-09	7.157-07	9.331-09
-3.4	3.896-01	1.200-05	1.207-03	2.111-C4	2.408-C9	2.246-10	2.522-09	5.648-07	1.069-08
-3.2	4.290-01	1.952-05	1.616-03	2.242-C4	4.047-C9	4.758-10	4.398-09	4.369-07	1.221-08
-3.0	4.642-01	3.161-05	2.139-03	2.345-04	6.699-C9	9.986-10	7.528-09	3.325-07	1.391-08
-2.8	4.950-01	5.096-05	2.804-03	2.427-C4	1.097-08	2.067-09	1.270-08	2.497-07	1.579-08
-2.6	5.215-01	8.181-05	3.647-03	2.492-C4	1.780-C8	4.248-09	2.114-08	1.855-07	1.788-08
-2.4	5.439-01	1.308-04	4.706-03	2.544-04	2.869-08	8.664-09	3.483-08	1.366-07	2.018-08
-2.2	5.625-01	2.081-04	6.041-03	2.585-C4	4.602-08	1.754-08	5.684-08	9.993-08	2.272-08
-2.0	5.779-01	3.297-04	7.707-03	2.619-C4	7.347-08	3.527-08	9.204-08	7.272-08	2.550-08
-1.8	5.905-01	5.159-04	9.782-03	2.646-C4	1.168-C7	7.045-08	1.480-07	5.272-08	2.852-08
-1.6	6.007-01	8.154-04	1.236-02	2.669-C4	1.850-07	1.397-07	2.363-07	3.813-08	3.180-08
-1.4	6.089-01	1.270-03	1.553-02	2.690-C4	2.919-07	2.749-07	3.751-07	2.754-08	3.530-08
-1.2	6.155-01	1.964-03	1.941-02	2.707-C4	4.584-07	5.363-07	5.915-07	1.989-08	3.900-08
-1.0	6.209-01	3.007-03	2.412-02	2.724-C4	7.159-07	1.035-06	9.263-07	1.439-08	4.281-08
-.8	6.253-01	4.547-03	2.977-02	2.739-C4	1.111-06	1.970-06	1.439-06	1.044-08	4.654-08
-.6	6.291-01	6.770-03	3.644-02	2.755-C4	1.710-06	3.692-06	2.216-06	7.613-09	5.033-08
-.4	6.326-01	9.885-03	4.415-02	2.770-C4	2.604-C6	6.780-06	3.375-06	5.590-09	5.367-08
-.2	6.361-01	1.410-02	5.286-02	2.784-C4	3.917-06	1.216-05	5.076-06	4.144-09	5.642-08
.0	6.397-01	1.955-02	6.243-02	2.796-C4	5.803-C6	2.121-05	7.528-06	3.108-09	5.835-08
.2	6.437-01	2.628-02	7.261-02	2.804-C4	8.449-06	3.588-05	1.099-05	2.363-09	5.926-08
.4	6.481-01	3.418-02	8.309-02	2.806-C4	1.207-C5	5.879-05	1.578-05	1.825-09	5.909-08
.6	6.529-01	4.296-02	9.347-02	2.798-C4	1.689-C5	9.332-05	2.228-05	1.432-09	5.796-08
.8	6.579-01	5.226-02	1.035-01	2.776-C4	2.316-05	1.439-04	3.095-05	1.144-09	5.575-08
1.0	6.629-01	6.167-02	1.128-01	2.736-C4	3.113-C5	2.165-04	4.235-05	9.232-10	5.301-08
1.2	6.679-01	7.080-02	1.212-01	2.674-C4	4.102-C5	3.198-04	5.715-05	7.689-10	4.994-08
1.4	6.725-01	7.937-02	1.287-01	2.589-C4	5.309-05	4.679-04	7.618-05	6.488-10	4.684-08
1.6	6.769-01	8.718-02	1.352-01	2.475-C4	6.757-C5	6.859-04	1.005-04	5.598-10	4.401-08
1.8	6.808-01	9.414-02	1.406-01	2.332-C4	8.474-C5	1.024-03	1.312-04	4.965-10	4.174-08
2.0	6.844-01	1.002-01	1.450-01	2.156-C4	1.049-04	1.592-03	1.698-04	4.569-10	4.042-08
2.2	6.877-01	1.052-01	1.483-01	1.944-C4	1.284-04	2.664-03	2.178-04	4.433-10	4.059-08

T= 5200

LOG C	C2-	NC+	CO+	O-	N+	N++	C+	O++	A+
-7.0	4.505-25	1.904-05	1.460-09	2.945-11	1.785-03	.CCC+00	7.633-04	.000+00	1.698-06
-6.8	9.045-25	2.390-05	2.046-09	3.728-11	1.413-03	.CCC+00	6.051-04	.000+00	1.344-06
-6.6	1.817-24	2.999-05	2.826-09	4.723-11	1.117-03	.CCC+00	4.793-04	.000+00	1.064-06
-6.4	3.656-24	3.746-05	3.844-09	5.993-11	8.806-04	.CCC+00	3.793-04	.000+00	8.415-07
-6.2	7.375-24	4.668-05	5.150-09	7.624-11	6.922-C4	.000+00	2.997-04	.000+00	6.646-07
-6.0	1.493-23	5.788-05	6.788-09	9.740-11	5.414-04	.000+00	2.362-04	.000+00	5.238-07
-5.8	3.043-23	7.122-05	8.786-09	1.252-10	4.203-04	.CCC+00	1.856-04	.000+00	4.115-07
-5.6	6.258-23	8.668-05	1.113-08	1.624-10	3.227-04	.CCC+00	1.451-04	.000+00	3.217-07
-5.4	1.303-22	1.039-04	1.373-08	2.135-10	2.441-04	.CCC+00	1.127-04	.000+00	2.499-07
-5.2	2.759-22	1.220-04	1.637-08	2.852-10	1.809-04	.CCC+00	8.684-05	.000+00	1.925-07
-5.0	5.958-22	1.398-04	1.871-08	3.885-10	1.308-04	.CCC+00	6.625-05	.000+00	1.469-07
-4.8	1.314-21	1.557-04	2.030-08	5.406-10	9.192-C5	.CCC+00	5.002-05	.000+00	1.110-07
-4.6	2.955-21	1.683-04	2.074-08	7.675-10	6.270-C5	.CCC+00	3.740-05	.000+00	8.297-08
-4.4	6.760-21	1.767-04	1.987-08	1.108-C9	4.156-C5	.CCC+00	2.772-05	.000+00	6.151-08
-4.2	1.565-20	1.807-04	1.787-08	1.619-C9	2.683-C5	.CCC+00	2.040-05	.000+00	4.529-08
-4.0	3.648-20	1.806-04	1.518-08	2.383-C9	1.693-C5	.CCC+00	1.493-05	.000+00	3.317-08
-3.8	8.525-20	1.770-04	1.230-08	3.516-09	1.047-05	.000+00	1.088-05	.000+00	2.418-08
-3.6	1.990-19	1.707-04	9.608-09	5.183-C9	6.377-C6	.CCC+00	7.901-06	.000+00	1.757-08
-3.4	4.630-19	1.623-04	7.305-09	7.616-C9	3.330-C6	.CCC+00	5.718-06	.000+00	1.273-08
-3.2	1.072-18	1.526-04	5.448-09	1.114-C8	2.274-C6	.CCC+00	4.127-06	.000+00	9.201-09
-3.0	2.470-18	1.421-04	4.008-09	1.622-C8	1.338-06	.CCC+00	2.970-06	.000+00	6.632-09
-2.8	5.657-18	1.312-04	2.921-09	2.349-C8	7.812-C7	.000+00	2.132-06	.000+00	4.771-09
-2.6	1.288-17	1.203-04	2.115-09	3.384-C8	4.532-07	.CCC+00	1.527-06	.000+00	3.426-09
-2.4	2.917-17	1.097-04	1.525-09	4.852-C8	2.616-07	.000+00	1.091-06	.000+00	2.457-09
-2.2	6.570-17	9.953-05	1.096-09	6.923-C8	1.504-07	.CCC+00	7.784-07	.000+00	1.760-09
-2.0	1.471-16	8.994-05	7.864-10	9.834-C8	8.627-08	.CCC+00	5.543-07	.000+00	1.260-09
-1.8	3.272-16	8.100-05	5.638-10	1.390-C7	4.938-08	.CCC+00	3.941-07	.000+00	9.026-10
-1.6	7.226-16	7.273-05	4.043-10	1.956-C7	2.824-08	.000+00	2.798-07	.000+00	6.469-10
-1.4	1.582-15	6.513-05	2.903-10	2.735-C7	1.615-08	.000+00	1.984-07	.000+00	4.643-10
-1.2	3.430-15	5.818-05	2.088-10	3.800-C7	9.247-C9	.CCC+00	1.405-07	.000+00	3.340-10
-1.0	7.337-15	5.185-05	1.506-10	5.237-C7	5.308-C9	.CCC+00	9.937-08	.000+00	2.412-10
-.8	1.544-14	4.610-05	1.091-10	7.142-C7	3.059-C9	.CCC+00	7.018-08	.000+00	1.750-10
-.6	3.181-14	4.089-05	7.955-11	9.616-C7	1.773-C9	.CCC+00	4.949-08	.000+00	1.278-10
-.4	6.385-14	3.619-05	5.841-11	1.274-C6	1.036-C9	.CCC+00	3.484-08	.000+00	9.411-11
-.2	1.241-13	3.195-05	4.328-11	1.654-C6	6.114-10	.000+00	2.448-08	.000+00	7.035-11
.0	2.323-13	2.814-05	3.242-11	2.099-C6	3.652-10	.000+00	1.718-08	.000+00	5.291-11
.2	4.166-13	2.474-05	2.457-11	2.592-C6	2.213-10	.CCC+00	1.203-08	.000+00	4.038-11
.4	7.140-13	2.171-05	1.886-11	3.111-C6	1.362-10	.CCC+00	8.413-09	.000+00	3.137-11
.6	1.169-12	1.905-05	1.465-11	3.625-C6	8.522-11	.000+00	5.881-09	.000+00	2.477-11
.8	1.852-12	1.673-05	1.152-11	4.107-C6	5.426-11	.000+00	4.114-09	.000+00	1.998-11
1.0	2.761-12	1.473-05	9.163-12	4.533-C6	3.517-11	.CCC+00	2.884-09	.000+00	1.623-11
1.2	4.030-12	1.304-05	7.364-12	4.897-C6	2.322-11	.CCC+00	2.032-09	.000+00	1.348-11
1.4	5.751-12	1.165-05	5.981-12	5.206-C6	1.565-11	.000+00	1.444-09	.000+00	1.139-11
1.6	8.121-12	1.056-05	4.913-12	5.491-C6	1.081-11	.000+00	1.040-09	.000+00	9.831-12
1.8	1.154-11	9.791-06	4.096-12	5.808-C6	7.697-12	.000+00	7.653-10	.000+00	8.695-12
2.0	1.648-11	9.403-06	3.486-12	6.253-C6	5.714-12	.CCC+00	5.819-10	.000+00	7.948-12
2.2	2.626-11	9.537-06	3.059-12	7.005-C6	4.508-12	.000+00	4.659-10	.000+00	7.611-12

T= 5200

LOG D	A++	C-	C++	NE+	N	O	A	C	NE
-7.0	.000+00	8.266-09	4.149-18	1.351-14	7.795-01	2.098-01	4.681-03	8.257-05	1.504-05
-6.8	.000+00	7.304-09	2.901-18	1.070-14	7.797-01	2.100-01	4.686-03	9.219-05	1.506-05
-6.6	.000+00	6.360-09	1.997-18	8.473-15	7.793-01	2.103-01	4.692-03	1.015-04	1.508-05
-6.4	.000+00	5.457-09	1.353-18	6.702-15	7.783-01	2.108-01	4.700-03	1.103-04	1.510-05
-6.2	.000+00	4.612-09	9.013-19	5.293-15	7.763-01	2.113-01	4.711-03	1.183-04	1.513-05
-6.0	.000+00	3.834-09	5.847-19	4.171-15	7.730-01	2.120-01	4.726-03	1.252-04	1.518-05
-5.8	.000+00	3.131-09	3.758-19	3.277-15	7.676-01	2.131-01	4.749-03	1.308-04	1.525-05
-5.6	.000+00	2.502-09	2.332-19	2.562-15	7.592-01	2.146-01	4.783-03	1.346-04	1.536-05
-5.4	.000+00	1.948-09	1.395-19	1.990-15	7.468-01	2.169-01	4.832-03	1.363-04	1.552-05
-5.2	.000+00	1.466-09	7.974-20	1.533-15	7.288-01	2.200-01	4.902-03	1.350-04	1.573-05
-5.0	.000+00	1.057-09	4.304-20	1.170-15	7.041-01	2.242-01	4.999-03	1.301-04	1.606-05
-4.8	.000+00	7.239-06	2.171-20	8.835-16	6.717-01	2.299-01	5.125-03	1.209-04	1.646-05
-4.6	.000+00	4.665-06	1.016-20	6.607-16	6.315-01	2.368-01	5.281-03	1.075-04	1.696-05
-4.4	.000+00	2.821-06	4.401-21	4.898-16	5.841-01	2.449-01	5.464-03	9.068-05	1.755-05
-4.2	.000+00	1.601-06	1.773-21	3.628-16	5.313-01	2.540-01	5.669-03	7.254-05	1.821-05
-4.0	.000+00	8.588-07	6.708-22	2.641-16	4.753-01	2.636-01	5.886-03	5.515-05	1.891-05
-3.8	.000+00	4.394-07	2.413-22	1.926-16	4.184-01	2.733-01	6.106-03	4.014-05	1.961-05
-3.6	.000+00	2.167-07	8.355-23	1.399-16	3.629-01	2.827-01	6.322-03	2.821-05	2.031-05
-3.4	.000+00	1.041-07	2.817-23	1.014-16	3.106-01	2.915-01	6.522-03	1.937-05	2.098-05
-3.2	.000+00	4.903-08	9.324-24	7.326-17	2.626-01	2.995-01	6.712-03	1.294-05	2.156-05
-3.0	.000+00	2.280-08	3.050-24	5.281-17	2.196-01	3.065-01	6.880-03	8.558-06	2.210-05
-2.8	.000+00	1.050-08	9.901-25	3.799-17	1.821-01	3.124-01	7.028-03	5.600-06	2.257-05
-2.6	.000+00	4.812-09	3.200-25	2.728-17	1.498-01	3.173-01	7.156-03	3.637-06	2.299-05
-2.4	.000+00	2.196-09	1.032-25	1.956-17	1.224-01	3.211-01	7.266-03	2.351-06	2.334-05
-2.2	.000+00	1.000-09	3.327-26	1.401-17	9.956-02	3.238-01	7.361-03	1.514-06	2.364-05
-2.0	.000+00	4.554-10	1.074-26	1.004-17	8.059-02	3.256-01	7.441-03	9.730-07	2.390-05
-1.8	.000+00	2.075-10	3.474-27	7.187-18	6.501-02	3.267-01	7.511-03	6.249-07	2.412-05
-1.6	.000+00	9.478-11	1.129-27	5.150-18	5.230-02	3.273-01	7.572-03	4.015-07	2.432-05
-1.4	.000+00	4.345-11	3.694-28	3.697-18	4.198-02	3.243-01	7.628-03	2.583-07	2.450-05
-1.2	.000+00	2.003-11	1.219-28	2.659-18	3.364-02	3.214-01	7.680-03	1.667-07	2.467-05
-1.0	.000+00	9.310-12	4.068-29	1.920-18	2.693-02	3.169-01	7.733-03	1.080-07	2.484-05
-.8	.000+00	4.373-12	1.379-29	1.393-18	2.154-02	3.106-01	7.787-03	7.043-08	2.501-05
-.6	.000+00	2.082-12	4.772-30	1.017-18	1.723-02	3.022-01	7.847-03	4.628-08	2.520-05
-.4	.000+00	1.009-12	1.693-30	7.486-19	1.378-02	2.913-01	7.914-03	3.071-08	2.542-05
-.2	.000+00	4.997-13	6.198-31	5.568-19	1.102-02	2.776-01	7.991-03	2.063-08	2.567-05
.0	.000+00	2.537-13	2.353-31	4.193-19	8.828-03	2.610-01	8.078-03	1.404-08	2.595-05
.2	.000+00	1.324-13	9.308-32	3.201-19	7.073-03	2.417-01	8.177-03	9.704-09	2.626-05
.4	.000+00	7.116-14	3.847-32	2.481-19	5.670-03	2.202-01	8.284-03	6.802-09	2.661-05
.6	.000+00	3.936-14	1.661-32	1.951-19	4.546-03	1.973-01	8.397-03	4.831-09	2.697-05
.8	.000+00	2.237-14	7.469-33	1.556-19	3.642-03	1.737-01	8.511-03	3.467-09	2.734-05
1.0	.000+00	1.303-14	3.511-33	1.258-19	2.915-03	1.504-01	8.624-03	2.507-09	2.770-05
1.2	.000+00	7.749-15	1.704-33	1.029-19	2.327-03	1.283-01	8.730-03	1.818-09	2.804-05
1.4	.000+00	4.689-15	.000+00	8.489-20	1.852-03	1.078-01	8.829-03	1.317-09	2.836-05
1.6	.000+00	2.877-15	.000+00	7.050-20	1.466-03	8.924-02	8.919-03	9.464-10	2.865-05
1.8	.000+00	1.765-15	.000+00	5.873-20	1.151-03	7.276-02	8.999-03	6.704-10	2.890-05
2.0	.000+00	1.118-15	.000+00	4.883-20	8.942-04	5.830-02	9.071-03	4.634-10	2.914-05
2.2	.000+00	7.065-16	.000+00	4.029-20	6.824-04	4.568-02	9.136-03	3.385-10	2.934-05

T= 5200

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	2.652-03	1.99450+00	2.26629+01	2.46574+01	7.75693+01	-5.42031+00	1.99450+00
-6.8	2.116-03	1.99241+00	2.26065+01	2.45979+01	7.65938+01	-5.22076+00	1.99241+00
-6.6	1.691-03	1.98998+00	2.25429+01	2.45329+01	7.56142+01	-5.02179+00	1.98998+00
-6.4	1.353-03	1.98682+00	2.24667+01	2.44535+01	7.46223+01	-4.82198+00	1.98682+00
-6.2	1.086-03	1.98241+00	2.23651+01	2.43475+01	7.36067+01	-4.62295+00	1.98241+00
-6.0	8.751-04	1.97601+00	2.22217+01	2.41977+01	7.25518+01	-4.42435+00	1.97601+00
-5.8	7.097-04	1.96658+00	2.20136+01	2.39802+01	7.14357+01	-4.22663+00	1.96658+00
-5.6	5.809-04	1.95273+00	2.17108+01	2.36635+01	7.02302+01	-4.02950+00	1.95273+00
-5.4	4.816-04	1.93281+00	2.12772+01	2.32101+01	6.89017+01	-3.83395+00	1.93281+00
-5.2	4.060-04	1.90513+00	2.06763+01	2.25814+01	6.74168+01	-3.64022+00	1.90513+00
-5.0	3.490-04	1.86846+00	1.98810+01	2.17494+01	6.57522+01	-3.44866+00	1.86846+00
-4.8	3.065-04	1.82256+00	1.88866+01	2.07092+01	6.39076+01	-3.25946+00	1.82256+00
-4.6	2.746-04	1.76865+00	1.77192+01	1.94878+01	6.19130+01	-3.07250+00	1.76865+00
-4.4	2.503-04	1.70925+00	1.64331+01	1.81424+01	5.98260+01	-2.88734+00	1.70925+00
-4.2	2.309-04	1.64758+00	1.50984+01	1.67460+01	5.77184+01	-2.70330+00	1.64758+00
-4.0	2.145-04	1.58682+00	1.37840+01	1.53708+01	5.56594+01	-2.51962+00	1.58682+00
-3.8	1.998-04	1.52954+00	1.25453+01	1.40748+01	5.37033+01	-2.33558+00	1.52954+00
-3.6	1.859-04	1.47742+00	1.14191+01	1.28965+01	5.18850+01	-2.15066+00	1.47742+00
-3.4	1.726-04	1.43133+00	1.04240+01	1.18553+01	5.02203+01	-1.96440+00	1.43133+00
-3.2	1.595-04	1.39144+00	9.56412+00	1.09556+01	4.87108+01	-1.77668+00	1.39144+00
-3.0	1.467-04	1.35750+00	8.83400+00	1.01915+01	4.73479+01	-1.58740+00	1.35750+00
-2.8	1.343-04	1.32896+00	8.22222+00	9.55118+00	4.61178+01	-1.39663+00	1.32895+00
-2.6	1.225-04	1.30515+00	7.71665+00	9.01980+00	4.50039+01	-1.20448+00	1.30515+00
-2.4	1.111-04	1.28537+00	7.29644+00	8.58182+00	4.39893+01	-1.01111+00	1.28537+00
-2.2	1.005-04	1.26894+00	6.95326+00	8.22219+00	4.30581+01	-8.16700-01	1.26892+00
-2.0	9.059-05	1.25519+00	6.67191+00	7.92710+00	4.21956+01	-6.21430-01	1.25518+00
-1.8	8.139-05	1.24356+00	6.44060+00	7.68416+00	4.13891+01	-4.25480-01	1.24353+00
-1.6	7.291-05	1.23351+00	6.24895+00	7.48246+00	4.06271+01	-2.29000-01	1.23346+00
-1.4	6.513-05	1.22453+00	6.08782+00	7.31235+00	3.99000+01	-3.21700-02	1.22467+00
-1.2	5.801-05	1.21619+00	5.94908+00	7.16528+00	3.91993+01	1.64860-01	1.21609+00
-1.0	5.148-05	1.20805+00	5.82546+00	7.03350+00	3.85175+01	3.61940-01	1.20788+00
-.8	4.551-05	1.19969+00	5.71028+00	6.90997+00	3.78479+01	5.58920-01	1.19942+00
-.6	4.004-05	1.19073+00	5.59751+00	6.78824+00	3.71847+01	7.55670-01	1.19031+00
-.4	3.501-05	1.18086+00	5.48185+00	6.66271+00	3.65229+01	9.52060-01	1.18020+00
-.2	3.038-05	1.16988+00	5.35921+00	6.52909+00	3.58590+01	1.14800+00	1.16885+00
.0	2.612-05	1.15778+00	5.22725+00	6.38503+00	3.51910+01	1.34348+00	1.15616+00
.2	2.222-05	1.14479+00	5.08591+00	6.23070+00	3.45195+01	1.53858+00	1.14226+00
.4	1.867-05	1.13145+00	4.93749+00	6.06893+00	3.38469+01	1.73349+00	1.12750+00
.6	1.549-05	1.11853+00	4.78618+00	5.90470+00	3.31776+01	1.92850+00	1.11235+00
.8	1.268-05	1.10703+00	4.63703+00	5.74406+00	3.25161+01	2.12402+00	1.09737+00
1.0	1.025-05	1.09817+00	4.49449+00	5.59305+00	3.18663+01	2.32053+00	1.08307+00
1.2	8.195-06	1.09344+00	4.36358+00	5.45701+00	3.12306+01	2.51865+00	1.06982+00
1.4	6.492-06	1.09484+00	4.24555+00	5.34039+00	3.06090+01	2.71921+00	1.05785+00
1.6	5.114-06	1.10521+00	4.14200+00	5.24721+00	2.99993+01	2.92330+00	1.04722+00
1.8	4.026-06	1.12889+00	4.05309+00	5.18199+00	2.93966+01	3.13251+00	1.03788+00
2.0	3.191-06	1.17257+00	3.97847+00	5.15104+00	2.87929+01	3.34900+00	1.02968+00
2.2	2.573-06	1.24657+00	3.91766+00	5.16422+00	2.81765+01	3.57557+00	1.02233+00

T= 5300

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	5.701-04	1.761-09	5.810-07	1.289-07	2.599-16	2.412-17	8.722-16	2.253-07	3.665-10
-6.8	9.042-04	2.900-09	9.225-07	2.309-07	8.523-16	6.075-17	2.195-15	2.830-07	4.614-10
-6.6	1.432-03	4.450-09	1.464-06	4.139-07	2.388-15	1.529-16	5.514-15	3.549-07	5.804-10
-6.4	2.265-03	7.070-09	2.320-06	7.405-07	6.594-15	3.843-16	1.383-14	4.439-07	7.294-10
-6.2	3.574-03	1.124-08	3.674-06	1.321-06	1.798-14	9.650-16	3.460-14	5.533-07	9.156-10
-6.0	5.622-03	1.784-08	5.809-06	2.072-06	4.837-14	2.419-15	8.628-14	6.861-07	1.147-09
-5.8	8.799-03	2.842-08	9.184-06	3.271-06	1.294-13	6.052-15	2.141-13	8.449-07	1.435-09
-5.6	1.367-02	4.529-08	1.443-05	5.137-06	3.366-13	1.510-14	5.274-13	1.026-06	1.798-09
-5.4	2.102-02	7.231-08	2.260-05	8.151-06	8.635-13	3.749-14	1.285-12	1.226-06	2.219-09
-5.2	3.185-02	1.158-07	3.521-05	1.299-05	2.209-12	9.256-14	3.086-12	1.429-06	2.736-09
-5.0	4.727-02	1.863-07	5.441-05	2.153-05	5.495-12	2.247-13	7.254-12	1.613-06	3.347-09
-4.8	6.836-02	3.012-07	8.319-05	3.553-05	1.330-11	5.492-13	1.663-11	1.748-06	4.055-09
-4.6	9.582-02	4.895-07	1.256-04	5.293-05	3.104-11	1.313-12	3.696-11	1.829-06	4.864-09
-4.4	1.297-01	7.994-07	1.867-04	7.455-05	6.927-11	3.094-12	7.923-11	1.781-06	5.775-09
-4.2	1.693-01	1.310-06	2.731-04	9.975-05	1.448-10	7.170-12	1.634-10	1.668-06	6.798-09
-4.0	2.131-01	2.153-06	3.927-04	1.265-04	2.949-10	1.634-11	3.267-10	1.491-06	7.938-09
-3.8	2.594-01	3.532-06	5.554-04	1.574-04	5.824-10	3.661-11	6.299-10	1.283-06	9.216-09
-3.6	3.061-01	5.809-06	7.731-04	1.757-04	1.028-09	8.067-11	1.177-09	1.066-06	1.065-08
-3.4	3.515-01	9.511-06	1.049-03	1.755-04	1.811-09	1.771-10	2.141-09	8.401-07	1.225-08
-3.2	3.942-01	1.552-05	1.434-03	2.118-04	3.105-09	3.750-10	3.800-09	6.777-07	1.404-08
-3.0	4.332-01	2.521-05	1.916-03	2.244-04	5.216-09	7.911-10	6.604-09	5.235-07	1.604-08
-2.8	4.679-01	4.079-05	2.533-03	2.351-04	8.629-09	1.658-09	1.129-08	3.980-07	1.826-08
-2.6	4.982-01	6.569-05	3.317-03	2.432-04	1.412-08	3.433-09	1.901-08	2.996-07	2.073-08
-2.4	5.241-01	1.053-04	4.308-03	2.497-04	2.289-08	7.045-09	3.159-08	2.217-07	2.345-08
-2.2	5.460-01	1.681-04	5.554-03	2.548-04	3.688-08	1.434-08	5.196-08	1.632-07	2.645-08
-2.0	5.643-01	2.671-04	7.117-03	2.589-04	5.903-08	2.837-08	8.466-08	1.194-07	2.974-08
-1.8	5.793-01	4.223-04	9.067-03	2.623-04	9.474-08	5.812-08	1.368-07	8.689-09	3.334-08
-1.6	5.916-01	6.640-04	1.149-02	2.651-04	1.496-07	1.157-07	2.146-07	6.303-08	3.724-08
-1.4	6.015-01	1.034-03	1.448-02	2.674-04	2.366-07	2.287-07	3.499-07	4.562-08	4.143-08
-1.2	6.095-01	1.610-03	1.816-02	2.695-04	3.725-07	4.479-07	5.539-07	3.300-08	4.588-08
-1.0	6.160-01	2.475-03	2.264-02	2.713-04	5.833-07	8.686-07	8.706-07	2.388-08	5.052-08
-.8	6.212-01	3.763-03	2.803-02	2.730-04	9.079-07	1.644-06	1.358-06	1.733-08	5.524-08
-.6	6.256-01	5.634-03	3.444-02	2.747-04	1.402-06	3.139-06	2.100-06	1.262-08	5.988-08
-.4	6.295-01	8.302-03	4.191-02	2.763-04	2.166-06	5.815-06	3.213-06	9.252-09	6.422-08
-.2	6.331-01	1.196-02	5.044-02	2.778-04	3.246-06	1.054-05	4.860-06	6.840-09	6.798-08
.0	6.368-01	1.678-02	5.992-02	2.792-04	4.841-06	1.840-05	7.251-06	5.112-09	7.089-08
.2	6.406-01	2.286-02	7.014-02	2.803-04	7.102-06	3.188-05	1.065-05	3.872-09	7.269-08
.4	6.449-01	3.014-02	8.081-02	2.808-04	1.023-05	5.297-05	1.540-05	2.978-09	7.322-08
.6	6.495-01	3.843-02	9.156-02	2.804-04	1.445-05	8.529-05	2.190-05	2.329-09	7.246-08
.8	6.543-01	4.739-02	1.020-01	2.791-04	2.001-05	1.333-04	3.063-05	1.853-09	7.056-08
1.0	6.593-01	5.664-02	1.119-01	2.760-04	2.714-05	2.031-04	4.247-05	1.502-09	6.778-08
1.2	6.642-01	6.577-02	1.215-01	2.709-04	3.611-05	3.034-04	5.722-05	1.240-09	6.447-08
1.4	6.690-01	7.448-02	1.291-01	2.634-04	4.718-05	4.484-04	7.665-05	1.045-09	6.101-08
1.6	6.734-01	8.253-02	1.362-01	2.533-04	6.063-05	6.630-04	1.015-04	9.018-10	5.779-08
1.8	6.775-01	8.978-02	1.423-01	2.402-04	7.674-05	9.768-04	1.330-04	8.004-10	5.525-08
2.0	6.812-01	9.614-02	1.472-01	2.237-04	9.598-05	1.559-03	1.727-04	7.377-10	5.391-08
2.2	6.847-01	1.015-01	1.509-01	2.034-04	1.187-04	2.622-03	2.220-04	7.176-10	5.456-08

T= 5300

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.026-25	1.614-05	1.128-09	3.670-11	2.481-03	.000+00	1.019-03	.000+00	2.488-06
-6.8	1.209-24	2.030-05	1.600-09	4.644-11	3.467-03	.000+00	8.088-04	.000+00	1.972-06
-6.6	2.428-24	2.549-05	2.237-09	5.877-11	1.557-03	.000+00	6.415-04	.000+00	1.562-06
-6.4	4.877-24	3.196-05	3.063-09	7.445-11	1.231-03	.000+00	5.083-04	.000+00	1.238-06
-6.2	9.810-24	3.998-05	4.186-09	9.445-11	9.713-04	.000+00	4.024-04	.000+00	9.797-07
-6.0	1.978-23	4.993-05	5.599-09	1.201-10	7.638-04	.000+00	3.181-04	.000+00	7.742-07
-5.8	4.005-23	6.181-05	7.370-09	1.534-10	5.975-04	.000+00	2.509-04	.000+00	6.106-07
-5.6	8.159-23	7.603-05	9.530-09	1.971-10	4.640-04	.000+00	1.973-04	.000+00	4.801-07
-5.4	1.677-22	9.263-05	1.207-08	2.556-10	3.564-04	.000+00	1.545-04	.000+00	3.758-07
-5.2	3.449-22	1.111-04	1.489-08	3.357-10	2.696-04	.000+00	1.202-04	.000+00	2.924-07
-5.0	7.382-22	1.305-04	1.777-03	4.481-10	1.999-04	.000+00	9.275-05	.000+00	2.257-07
-4.8	1.592-21	1.496-04	2.034-08	6.099-10	1.446-04	.000+00	7.092-05	.000+00	1.726-07
-4.6	3.506-21	1.666-04	2.212-08	8.477-10	1.016-04	.000+00	5.368-05	.000+00	1.307-07
-4.4	7.876-21	1.801-04	2.265-08	1.202-09	6.934-05	.000+00	4.023-05	.000+00	9.794-08
-4.2	1.799-20	1.891-04	2.175-08	1.733-09	4.536-05	.000+00	2.988-05	.000+00	7.278-08
-4.0	4.158-20	1.933-04	1.961-08	2.528-09	2.946-05	.000+00	2.203-05	.000+00	5.369-08
-3.8	9.677-20	1.931-04	1.669-08	3.714-09	1.871-05	.000+00	1.615-05	.000+00	3.938-08
-3.6	2.257-19	1.892-04	1.354-08	5.471-09	1.157-05	.000+00	1.178-05	.000+00	2.875-08
-3.4	5.261-19	1.823-04	1.059-08	8.053-09	7.042-06	.000+00	8.560-06	.000+00	2.091-08
-3.2	1.222-18	1.733-04	8.059-09	1.182-08	4.228-06	.000+00	6.198-06	.000+00	1.516-08
-3.0	2.826-18	1.628-04	6.014-09	1.727-08	2.509-06	.000+00	4.474-06	.000+00	1.096-08
-2.8	6.498-18	1.514-04	4.427-09	2.510-08	1.476-06	.000+00	3.220-06	.000+00	7.931-09
-2.6	1.486-17	1.397-04	3.227-09	3.630-08	8.614-07	.000+00	2.311-06	.000+00	5.695-09
-2.4	3.378-17	1.281-04	2.338-09	5.224-08	4.997-07	.000+00	1.655-06	.000+00	4.084-09
-2.2	7.635-17	1.167-04	1.686-09	7.479-08	2.885-07	.000+00	1.183-06	.000+00	2.930-09
-2.0	1.715-16	1.058-04	1.213-09	1.066-07	1.659-07	.000+00	8.436-07	.000+00	2.101-09
-1.8	3.829-16	9.559-05	8.710-10	1.511-07	9.520-08	.000+00	6.006-07	.000+00	1.506-09
-1.6	8.488-16	8.605-05	6.252-10	2.131-07	5.493-08	.000+00	4.269-07	.000+00	1.079-09
-1.4	1.866-15	7.722-05	4.490-10	2.990-07	3.122-08	.000+00	3.031-07	.000+00	7.748-10
-1.2	4.064-15	6.911-05	3.229-10	4.167-07	1.789-08	.000+00	2.148-07	.000+00	5.572-10
-1.0	8.742-15	6.170-05	2.329-10	5.784-07	1.027-08	.000+00	1.521-07	.000+00	4.020-10
-.8	1.852-14	5.495-05	1.686-10	7.997-07	5.913-09	.000+00	1.075-07	.000+00	2.913-10
-.6	3.850-14	4.883-05	1.227-10	1.089-06	3.423-09	.000+00	7.593-08	.000+00	2.123-10
-.4	7.813-14	4.330-05	8.989-11	1.426-06	1.995-09	.000+00	5.356-08	.000+00	1.559-10
-.2	1.539-13	3.831-05	6.644-11	1.864-06	1.174-09	.000+00	3.770-08	.000+00	1.157-10
.0	2.924-13	3.382-05	4.962-11	2.397-06	6.986-10	.000+00	2.650-08	.000+00	8.689-11
.2	5.336-13	2.982-05	3.751-11	2.983-06	4.216-10	.000+00	1.861-08	.000+00	6.617-11
.4	9.315-13	2.629-05	2.872-11	3.621-06	2.584-10	.000+00	1.306-08	.000+00	5.119-11
.6	1.553-12	2.311-05	2.228-11	4.267-06	1.611-10	.000+00	9.157-09	.000+00	4.027-11
.8	2.477-12	2.036-05	1.751-11	4.885-06	1.022-10	.000+00	6.428-09	.000+00	3.223-11
1.0	3.794-12	1.799-05	1.393-11	5.446-06	6.607-11	.000+00	4.526-09	.000+00	2.625-11
1.2	5.618-12	1.599-05	1.122-11	5.935-06	4.354-11	.000+00	3.200-09	.000+00	2.176-11
1.4	8.117-12	1.433-05	9.146-12	6.358-06	2.931-11	.000+00	2.282-09	.000+00	1.838-11
1.6	1.158-11	1.304-05	7.553-12	6.749-06	2.022-11	.000+00	1.649-09	.000+00	1.587-11
1.8	1.661-11	1.213-05	6.338-12	7.177-06	1.439-11	.000+00	1.217-09	.000+00	1.405-11
2.0	2.449-11	1.168-05	5.439-12	7.742-06	1.068-11	.000+00	9.280-10	.000+00	1.286-11
2.2	3.829-11	1.188-05	4.826-12	8.727-06	8.424-12	.000+00	7.446-10	.000+00	1.236-11

T= 5300

LOG C	A++	C+	C-+	NE+	N	O	A	C	NE
-7.0	.000+00	9.048-05	9.570-18	2.529-14	7.784-01	2.091-01	4.675-03	7.464-05	1.502-05
-6.8	.000+00	8.092-05	6.777-18	2.005-14	7.791-01	2.095-01	4.680-03	8.428-05	1.504-05
-6.6	.000+00	7.134-05	4.730-18	1.589-14	7.793-01	2.099-01	4.686-03	9.347-05	1.506-05
-6.4	.000+00	6.199-05	3.251-18	1.258-14	7.798-01	2.103-01	4.692-03	1.031-04	1.508-05
-6.2	.000+00	5.309-05	2.199-18	9.957-15	7.779-01	2.107-01	4.700-03	1.118-04	1.510-05
-6.0	.000+00	4.479-05	1.483-18	7.868-15	7.759-01	2.113-01	4.712-03	1.196-04	1.514-05
-5.8	.000+00	3.719-05	9.547-19	6.205-15	7.723-01	2.121-01	4.728-03	1.264-04	1.519-05
-5.6	.000+00	3.034-05	6.093-19	4.878-15	7.667-01	2.132-01	4.752-03	1.318-04	1.526-05
-5.4	.000+00	2.424-05	3.782-19	3.818-15	7.590-01	2.148-01	4.787-03	1.355-04	1.536-05
-5.2	.000+00	1.897-05	2.266-19	2.971-15	7.490-01	2.171-01	4.839-03	1.371-04	1.554-05
-5.0	.000+00	1.421-05	1.298-19	2.293-15	7.264-01	2.204-01	4.912-03	1.358-04	1.578-05
-4.8	.000+00	1.027-05	7.029-20	1.754-15	7.008-01	2.248-01	5.011-03	1.309-04	1.610-05
-4.6	.000+00	7.043-06	3.559-20	1.328-15	6.675-01	2.305-01	5.141-03	1.218-04	1.651-05
-4.4	.000+00	4.553-06	1.673-20	9.952-16	6.264-01	2.376-01	5.300-03	1.081-04	1.702-05
-4.2	.000+00	2.780-06	7.280-21	7.395-16	5.783-01	2.459-01	5.487-03	9.133-05	1.762-05
-4.0	.000+00	1.570-06	2.945-21	5.455-16	5.251-01	2.550-01	5.693-03	7.310-05	1.829-05
-3.8	.000+00	8.430-07	1.118-21	4.001-16	4.688-01	2.646-01	5.911-03	5.561-05	1.899-05
-3.6	.000+00	4.324-07	4.034-22	2.921-16	4.120-01	2.743-01	6.132-03	4.048-05	1.969-05
-3.4	.000+00	2.135-07	1.400-22	2.124-16	3.568-01	2.836-01	6.346-03	2.845-05	2.038-05
-3.2	.000+00	1.026-07	4.730-23	1.540-16	3.049-01	2.923-01	6.548-03	1.947-05	2.103-05
-3.0	.000+00	4.840-08	1.569-23	1.113-16	2.574-01	3.001-01	6.733-03	1.306-05	2.163-05
-2.8	.000+00	2.252-08	5.139-24	8.028-17	2.151-01	3.069-01	6.899-03	8.653-06	2.216-05
-2.6	.000+00	1.039-08	1.671-24	5.777-17	1.782-01	3.127-01	7.045-03	5.649-06	2.263-05
-2.4	.000+00	4.762-09	5.409-25	4.150-17	1.465-01	3.173-01	7.172-03	3.670-06	2.304-05
-2.2	.000+00	2.176-09	1.748-25	2.977-17	1.197-01	3.208-01	7.281-03	2.373-06	2.339-05
-2.0	.000+00	9.924-10	5.648-26	2.134-17	9.723-02	3.232-01	7.374-03	1.529-06	2.369-05
-1.8	.000+00	4.527-10	1.828-26	1.530-17	7.868-02	3.246-01	7.455-03	9.840-07	2.394-05
-1.6	.000+00	2.068-10	5.939-27	1.097-17	6.345-02	3.249-01	7.525-03	6.328-07	2.417-05
-1.4	.000+00	9.475-11	1.940-27	7.872-18	5.103-02	3.239-01	7.587-03	4.073-07	2.437-05
-1.2	.000+00	4.362-11	6.385-28	5.661-18	4.096-02	3.217-01	7.645-03	2.627-07	2.455-05
-1.0	.000+00	2.022-11	2.124-28	4.083-18	3.283-02	3.186-01	7.700-03	1.701-07	2.473-05
-.8	.000+00	9.465-12	7.166-29	2.958-18	2.628-02	3.125-01	7.756-03	1.106-07	2.491-05
-.6	.000+00	4.486-12	2.463-29	2.155-18	2.103-02	3.050-01	7.816-03	7.250-08	2.510-05
-.4	.000+00	2.160-12	8.664-30	1.583-18	1.682-02	2.952-01	7.881-03	4.793-08	2.531-05
-.2	.000+00	1.062-12	3.139-30	1.173-18	1.346-02	2.827-01	7.955-03	3.205-08	2.555-05
.0	.000+00	5.342-13	1.178-30	8.803-19	1.078-02	2.673-01	8.040-03	2.170-08	2.582-05
.2	.000+00	2.762-13	4.598-31	6.694-19	8.632-03	2.492-01	8.135-03	1.491-08	2.613-05
.4	.000+00	1.470-13	1.876-31	5.165-19	6.916-03	2.286-01	8.239-03	1.039-08	2.646-05
.6	.000+00	8.061-14	8.007-32	4.047-19	5.545-03	2.062-01	8.350-03	7.340-09	2.682-05
.8	.000+00	4.548-14	3.573-32	3.219-19	4.443-03	1.828-01	8.465-03	5.247-09	2.719-05
1.0	.000+00	2.634-14	1.663-32	2.596-19	3.556-03	1.594-01	8.579-03	3.782-09	2.756-05
1.2	.000+00	1.561-14	8.037-33	2.119-19	2.840-03	1.367-01	8.689-03	2.739-09	2.791-05
1.4	.000+00	9.436-15	4.015-33	1.748-19	2.260-03	1.155-01	8.791-03	1.983-09	2.824-05
1.6	.000+00	5.796-15	2.063-33	1.452-19	1.790-03	9.604-02	8.885-03	1.428-09	2.854-05
1.8	.000+00	3.608-15	1.085-33	1.211-19	1.407-03	7.862-02	8.970-03	1.014-09	2.881-05
2.0	.000+00	2.272-15	.000+00	1.008-19	1.093-03	6.321-02	9.047-03	7.044-10	2.906-05
2.2	.000+00	1.448-15	.000+00	8.347-20	8.345-04	4.968-02	9.116-03	4.717-10	2.926-05

T= 5300

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	3.610-03	1.99700+00	2.23705+01	2.43765+01	7.77144+01	-5.41149+00	1.99700+00
-6.8	2.879-03	1.99486+00	2.23173+01	2.43122+01	7.67331+01	-5.21196+00	1.99486+00
-6.6	2.298-03	1.99263+00	2.22567+01	2.42493+01	7.57543+01	-5.01244+00	1.99263+00
-6.4	1.835-03	1.99003+00	2.21910+01	2.41811+01	7.47716+01	-4.81301+00	1.99003+00
-6.2	1.468-03	1.98669+00	2.21116+01	2.40982+01	7.37764+01	-4.61374+00	1.98669+00
-6.0	1.178-03	1.98204+00	2.20062+01	2.39882+01	7.27571+01	-4.41476+00	1.98204+00
-5.8	9.489-04	1.97530+00	2.18579+01	2.38332+01	7.16975+01	-4.21624+00	1.97530+00
-5.6	7.693-04	1.96541+00	2.16435+01	2.36089+01	7.05756+01	-4.01842+00	1.96541+00
-5.4	6.294-04	1.95092+00	2.13326+01	2.32936+01	6.93628+01	-3.82163+00	1.95092+00
-5.2	5.215-04	1.93018+00	2.08895+01	2.28197+01	6.80257+01	-3.62627+00	1.93018+00
-5.0	4.392-04	1.90151+00	2.02785+01	2.21800+01	6.65321+01	-3.43277+00	1.90151+00
-4.8	3.773-04	1.86375+00	1.94751+01	2.13389+01	6.48614+01	-3.24148+00	1.86375+00
-4.6	3.309-04	1.81684+00	1.84778+01	2.02946+01	6.30162+01	-3.05255+00	1.81684+00
-4.4	2.961-04	1.76215+00	1.73155+01	1.90776+01	6.10296+01	-2.86583+00	1.76215+00
-4.2	2.694-04	1.70230+00	1.60442+01	1.77465+01	5.89605+01	-2.68083+00	1.70230+00
-4.0	2.482-04	1.64056+00	1.47331+01	1.63737+01	5.68797+01	-2.49688+00	1.64056+00
-3.8	2.302-04	1.58006+00	1.34490+01	1.50293+01	5.48542+01	-2.31320+00	1.58006+00
-3.6	2.141-04	1.52327+00	1.22443+01	1.37676+01	5.29351+01	-2.12909+00	1.52327+00
-3.4	1.990-04	1.47178+00	1.11528+01	1.26246+01	5.11542+01	-1.94403+00	1.47178+00
-3.2	1.845-04	1.42635+00	1.01910+01	1.16174+01	4.95253+01	-1.75764+00	1.42635+00
-3.0	1.703-04	1.38712+00	9.36174+00	1.07489+01	4.80485+01	-1.56976+00	1.38712+00
-2.8	1.565-04	1.35376+00	8.65863+00	1.00124+01	4.67145+01	-1.38033+00	1.35376+00
-2.6	1.432-04	1.32572+00	8.07008+00	9.39581+00	4.55092+01	-1.18942+00	1.32572+00
-2.4	1.304-04	1.30232+00	7.58202+00	8.88434+00	4.44162+01	-9.97150-01	1.30232+00
-2.2	1.183-04	1.28285+00	7.17984+00	8.46269+00	4.34189+01	-8.03690-01	1.28284+00
-2.0	1.069-04	1.26661+00	6.84953+00	8.11614+00	4.25016+01	-6.09230-01	1.26659+00
-1.8	9.626-05	1.25296+00	6.57823+00	7.83119+00	4.16503+01	-4.13930-01	1.25293+00
-1.6	8.642-05	1.24131+00	6.35442+00	7.59574+00	4.08522+01	-2.17990-01	1.24127+00
-1.4	7.734-05	1.23112+00	6.16795+00	7.39908+00	4.00965+01	-2.15700-02	1.23106+00
-1.2	6.901-05	1.22190+00	6.00984+00	7.23174+00	3.93736+01	1.75160-01	1.22179+00
-1.0	6.136-05	1.21317+00	5.87207+00	7.08524+00	3.86751+01	3.72050-01	1.21300+00
-.8	5.435-05	1.20450+00	5.74743+00	6.95193+00	3.79938+01	5.68960-01	1.20423+00
-.6	4.792-05	1.19548+00	5.62937+00	6.82484+00	3.73231+01	7.65670-01	1.19506+00
-.4	4.200-05	1.18575+00	5.51208+00	6.69784+00	3.66575+01	9.62120-01	1.18509+00
-.2	3.656-05	1.17507+00	5.39080+00	6.56587+00	3.59926+01	1.15819+00	1.17404+00
.0	3.154-05	1.16334+00	5.26226+00	6.42560+00	3.53256+01	1.35384+00	1.16172+00
.2	2.693-05	1.15071+00	5.12525+00	6.27596+00	3.46557+01	1.54910+00	1.14817+00
.4	2.272-05	1.13760+00	4.98091+00	6.11851+00	3.39865+01	1.74412+00	1.13363+00
.6	1.892-05	1.12473+00	4.83247+00	5.95721+00	3.33151+01	1.93918+00	1.11853+00
.8	1.555-05	1.11308+00	4.68448+00	5.79755+00	3.26511+01	2.13465+00	1.10339+00
1.0	1.262-05	1.10387+00	4.54170+00	5.64557+00	3.19988+01	2.33105+00	1.08873+00
1.2	1.012-05	1.09866+00	4.40824+00	5.50491+00	3.13584+01	2.52899+00	1.07498+00
1.4	8.040-06	1.09950+00	4.28702+00	5.38452+00	3.07313+01	2.72932+00	1.06241+00
1.6	6.348-06	1.10927+00	4.17967+00	5.28894+00	3.01158+01	2.93317+00	1.05116+00
1.8	5.008-06	1.13235+00	4.08574+00	5.21909+00	2.95073+01	3.14211+00	1.04121+00
2.0	3.975-06	1.17545+00	4.00815+00	5.18760+00	2.88983+01	3.35833+00	1.03243+00
2.2	3.211-06	1.24887+00	3.94361+00	5.19248+00	2.82770+01	3.58465+00	1.02453+00

T= 5400

LOG Z	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.837-04	1.440-09	4.464-07	7.395-08	1.406-16	1.651-17	5.523-16	2.145-07	3.725-10
-6.8	6.093-04	2.290-09	7.095-07	1.340-07	4.043-16	4.164-17	1.392-15	2.761-07	4.696-10
-6.6	9.665-04	3.642-09	1.127-06	2.393-07	1.146-15	1.049-16	3.502-15	3.464-07	5.914-10
-6.4	1.531-03	5.788-09	1.788-06	4.219-07	3.201-15	2.641-16	8.799-15	4.350-07	7.442-10
-6.2	2.421-03	9.198-09	2.834-06	7.324-07	8.821-15	6.634-16	2.207-14	5.442-07	9.356-10
-6.0	3.819-03	1.462-08	4.487-06	1.256-06	2.358-14	1.667-15	5.520 14	6.784-07	1.175-09
-5.8	6.003-03	2.324-08	7.094-06	2.125-06	6.435-14	4.178-15	1.376-13	8.410-07	1.473-09
-5.6	9.389-03	3.699-08	1.119-05	3.552-06	1.735-13	1.045-14	3.411-13	1.034-06	1.843-09
-5.4	1.457-02	5.898-08	1.760-05	5.861-06	4.459-13	2.605-14	8.391-13	1.255-06	2.279-09
-5.2	2.236-02	9.419-08	2.756-05	9.536-06	1.150-12	6.465-14	2.041-12	1.498-06	2.855-09
-5.0	3.379-02	1.510-07	4.289-05	1.526-05	2.918-12	1.595-13	4.888-12	1.744-06	3.525-09
-4.8	4.998-02	2.430-07	6.619-05	2.393-05	7.249-12	3.899-13	1.146-11	1.963-06	4.318-09
-4.6	7.197-02	3.931-07	1.010-04	3.650-05	1.752-11	9.431-13	2.615-11	2.121-06	5.242-09
-4.4	1.004-01	6.393-07	1.521-04	5.370-05	4.084-11	2.251-12	5.778-11	2.186-06	6.299-09
-4.2	1.352-01	1.045-06	2.257-04	7.554-05	9.103-11	5.269-12	1.233-10	2.143-06	7.494-09
-4.0	1.755-01	1.713-06	3.293-04	1.000-04	1.927-10	1.223-11	2.535-10	2.000-06	8.834-09
-3.8	2.190-01	2.815-06	4.724-04	1.278-04	3.864-10	2.778-11	5.029-10	1.783-06	1.033-08
-3.6	2.662-01	4.626-06	6.665-04	1.537-04	7.363-10	6.207-11	9.649-10	1.528-06	1.201-08
-3.4	3.128-01	7.590-06	9.254-04	1.770-04	1.343-09	1.365-10	1.794-09	1.265-06	1.389-08
-3.2	3.579-01	1.242-05	1.266-03	1.988-04	2.363-09	2.956-10	3.252-09	1.014-06	1.598-08
-3.0	4.001-01	2.024-05	1.709-03	2.129-04	4.046-09	6.316-10	5.754-09	8.004-07	1.832-08
-2.8	4.385-01	3.266-05	2.279-03	2.258-04	6.788-09	1.333-09	9.976-09	6.172-07	2.092-08
-2.6	4.725-01	5.309-05	3.008-03	2.360-04	1.122-08	2.781-09	1.700-08	4.684-07	2.381-08
-2.4	5.022-01	8.539-05	3.933-03	2.440-04	1.833-08	5.746-09	2.855-08	3.511-07	2.701-08
-2.2	5.275-01	1.367-04	5.100-03	2.504-04	2.970-08	1.176-08	4.735-08	2.606-07	3.053-08
-2.0	5.488-01	2.178-04	6.566-03	2.555-04	4.780-08	2.389-08	7.771-08	1.916-07	3.441-08
-1.8	5.665-01	3.453-04	8.399-03	2.595-04	7.649-08	4.815-08	1.264-07	1.401-07	3.865-08
-1.6	5.811-01	5.444-04	1.068-02	2.629-04	1.218-07	9.629-08	2.038-07	1.020-07	4.325-08
-1.4	5.929-01	8.534-04	1.351-02	2.656-04	1.931-07	1.910-07	3.262-07	7.406-08	4.822-08
-1.2	6.025-01	1.328-03	1.699-02	2.680-04	3.047-07	3.758-07	5.185-07	5.367-08	5.353-08
-1.0	6.103-01	2.050-03	2.124-02	2.701-04	4.784-07	7.322-07	8.182-07	3.883-08	5.910-08
-.8	6.166-01	3.131-03	2.639-02	2.720-04	7.468-07	1.410-06	1.281-06	2.822-08	6.493-08
-.6	6.217-01	4.719-03	3.253-02	2.737-04	1.157-06	2.677-06	1.989-06	2.055-08	7.056-08
-.4	6.261-01	6.998-03	3.975-02	2.755-04	1.778-06	4.998-06	3.057-06	1.506-08	7.605-08
-.2	6.300-01	1.017-02	4.807-02	2.771-04	2.703-06	9.139-06	4.647-06	1.109-08	8.101-08
.0	6.338-01	1.442-02	5.741-02	2.787-04	4.056-06	1.631-05	6.973-06	8.268-09	8.510-08
.2	6.377-01	1.988-02	6.761-02	2.800-04	5.992-06	2.830-05	1.031-05	6.240-09	8.801-08
.4	6.418-01	2.656-02	7.840-02	2.809-04	8.701-06	4.765-05	1.500-05	4.781-09	8.949-08
.6	6.462-01	3.433-02	8.943-02	2.810-04	1.240-05	7.776-05	2.147-05	3.724-09	8.946-08
.8	6.510-01	4.291-02	1.003-01	2.802-04	1.731-05	1.232-04	3.023-05	2.954-09	8.800-08
1.0	6.559-01	5.194-02	1.108-01	2.778-04	2.370-05	1.900-04	4.187-05	2.387-09	8.539-08
1.2	6.608-01	6.102-02	1.204-01	2.737-04	3.182-05	2.871-04	5.714-05	1.968-09	8.200-08
1.4	6.655-01	6.981-02	1.292-01	2.673-04	4.196-05	4.286-04	7.692-05	1.657-09	7.830-08
1.6	6.700-01	7.805-02	1.369-01	2.583-04	5.442-05	6.392-04	1.023-04	1.429-09	7.480-08
1.8	6.743-01	8.555-02	1.435-01	2.464-04	6.955-05	9.682-04	1.346-04	1.269-09	7.208-08
2.0	6.782-01	9.221-02	1.490-01	2.310-04	8.778-05	1.524-03	1.753-04	1.171-09	7.087-08
2.2	6.818-01	9.789-02	1.532-01	2.117-04	1.097-04	2.576-03	2.259-04	1.142-09	7.231-08

T= 5400

LOG Z	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.968-25	1.375-05	8.767-10	4.538-11	3.403-03	.000+00	1.345-03	.000+00	3.594-06
-6.8	1.600-24	1.731-05	1.250-09	5.742-11	2.700-03	.000+00	1.068-03	.000+00	2.851-06
-6.6	3.212-24	2.178-05	1.760-09	7.284-11	2.141-03	.000+00	8.479-04	.000+00	2.261-06
-6.4	6.447-24	2.736-05	2.466-09	9.194-11	1.695-03	.000+00	6.727-04	.000+00	1.793-06
-6.2	1.295-23	3.431-05	3.389-09	1.165-10	1.341-03	.000+00	5.332-04	.000+00	1.420-06
-6.0	2.605-23	4.292-05	4.592-09	1.477-10	1.058-03	.000+00	4.223-04	.000+00	1.124-06
-5.8	5.252-23	5.352-05	6.129-09	1.879-10	8.319-04	.000+00	3.346-04	.000+00	8.890-07
-5.6	1.063-22	6.638-05	8.053-09	2.399-10	6.509-04	.000+00	2.636-04	.000+00	7.015-07
-5.4	2.166-22	8.170-05	1.040-08	3.082-10	5.054-04	.000+00	2.074-04	.000+00	5.519-07
-5.2	4.451-22	9.945-05	1.315-08	3.997-10	3.891-04	.000+00	1.625-04	.000+00	4.324-07
-5.0	9.263-22	1.192-04	1.627-08	5.248-10	2.935-04	.000+00	1.266-04	.000+00	3.368-07
-4.8	1.959-21	1.400-04	1.935-08	7.005-10	2.175-04	.000+00	9.766-05	.000+00	2.604-07
-4.6	4.225-21	1.603-04	2.214-08	9.532-10	1.572-04	.000+00	7.496-05	.000+00	1.995-07
-4.4	9.299-21	1.784-04	2.407-08	1.324-09	1.104-04	.000+00	5.685-05	.000+00	1.514-07
-4.2	2.087-20	1.927-04	2.466-08	1.876-09	7.526-05	.000+00	4.269-05	.000+00	1.137-07
-4.0	4.762-20	2.021-04	2.368-08	2.702-09	4.983-05	.000+00	3.177-05	.000+00	8.464-08
-3.8	1.099-19	2.064-04	2.134-08	3.937-09	3.213-05	.000+00	2.346-05	.000+00	6.254-08
-3.6	2.555-19	2.060-04	1.816-08	5.777-09	2.024-05	.000+00	1.722-05	.000+00	4.593-08
-3.4	5.950-19	2.015-04	1.474-08	8.497-09	1.251-05	.000+00	1.257-05	.000+00	3.356-08
-3.2	1.384-18	1.940-04	1.152-08	1.249-08	7.604-06	.000+00	9.138-06	.000+00	2.443-08
-3.0	3.210-18	1.841-04	8.769-09	1.830-08	4.561-06	.000+00	6.619-06	.000+00	1.772-08
-2.8	7.408-18	1.728-04	6.543-09	2.669-08	2.705-06	.000+00	4.778-06	.000+00	1.281-08
-2.6	1.701-17	1.606-04	4.816-09	3.874-08	1.590-06	.000+00	3.439-06	.000+00	9.241-09
-2.4	3.881-17	1.480-04	3.512-09	5.595-08	9.276-07	.000+00	2.468-06	.000+00	6.652-09
-2.2	8.804-17	1.356-04	2.545-09	8.039-08	5.360-07	.000+00	1.767-06	.000+00	4.781-09
-2.0	1.985-16	1.235-04	1.836-09	1.149-07	3.106-07	.000+00	1.262-06	.000+00	3.432-09
-1.8	4.447-16	1.119-04	1.322-09	1.634-07	1.787-07	.000+00	9.001-07	.000+00	2.462-09
-1.6	9.893-16	1.010-04	9.502-10	2.312-07	1.026-07	.000+00	6.407-07	.000+00	1.766-09
-1.4	2.184-15	9.096-05	6.830-10	3.253-07	5.883-08	.000+00	4.554-07	.000+00	1.268-09
-1.2	4.775-15	8.149-05	4.914-10	4.548-07	3.373-08	.000+00	3.232-07	.000+00	9.120-10
-1.0	1.033-14	7.289-05	3.542-10	6.312-07	1.937-08	.000+00	2.290-07	.000+00	6.576-10
-.8	2.202-14	6.504-05	2.562-10	8.683-07	1.115-08	.000+00	1.621-07	.000+00	4.760-10
-.6	4.612-14	5.790-05	1.862-10	1.181-06	6.447-09	.000+00	1.146-07	.000+00	3.433-10
-.4	9.448-14	5.143-05	1.362-10	1.585-06	3.751-09	.000+00	8.092-08	.000+00	2.539-10
-.2	1.883-13	4.559-05	1.005-10	2.090-06	2.201-09	.000+00	5.707-08	.000+00	1.878-10
.0	3.679-13	4.035-05	7.485-11	2.699-06	1.306-09	.000+00	4.020-08	.000+00	1.405-10
.2	6.729-13	3.565-05	5.642-11	3.401-06	7.852-10	.000+00	2.825 08	.000+00	1.066-10
.4	1.195-12	3.148-05	4.309-11	4.173-06	4.794-10	.000+00	1.990-08	.000+00	8.217-11
.6	2.028-12	2.779-05	3.336-11	4.971-06	2.977-10	.000+00	1.400-08	.000+00	6.439-11
.8	3.291-12	2.457-05	2.620-11	5.753-06	1.883-10	.000+00	9.864-09	.000+00	5.137-11
1.0	5.123-12	2.179-05	2.085-11	6.417-06	1.213-10	.000+00	6.967-09	.000+00	4.173-11
1.2	7.696-12	1.943-05	1.682-11	7.121-06	7.980-11	.000+00	4.946-09	.000+00	3.454-11
1.4	1.176-11	1.748-05	1.375-11	7.688-06	5.364-11	.000+00	3.540-09	.000+00	2.916-11
1.6	1.625-11	1.596-05	1.141-11	8.217-06	3.697-11	.000+00	2.567-09	.000+00	2.517-11
1.8	2.350-11	1.489-05	9.631-12	8.787-06	2.630-11	.000+00	1.901-09	.000+00	2.230-11
2.0	3.490-11	1.439-05	8.330-12	9.549-06	1.951-11	.000+00	1.453-09	.000+00	2.046-11
2.2	5.498-11	1.468-05	7.467-12	1.078-05	1.538-11	.000+00	1.169-09	.000+00	1.971-11

T= 5400

LOG D	A++	C+	C++	N2+	N	O	A	C	NE
-7.0	.000+00	9.779-05	2.119-17	4.621-14	7.767-01	2.084-01	4.667-03	6.714-05	1.500-05
-6.8	.000+00	8.846-05	1.918-17	3.666-14	7.779-01	2.090-01	4.673-03	7.664-05	1.502-05
-6.6	.000+00	7.887-05	1.073-17	2.907-14	7.786-01	2.094-01	4.679-03	8.629-05	1.504-05
-6.4	.000+00	6.935-05	7.466-18	2.304-14	7.789-01	2.098-01	4.685-03	9.583-05	1.505-05
-6.2	.000+00	6.011-05	5.120-18	1.826-14	7.785-01	2.103-01	4.692-03	1.050-04	1.508-05
-6.0	.000+00	5.135-05	3.456-18	1.449-14	7.774-01	2.108-01	4.701-03	1.135-04	1.510-05
-5.8	.000+00	4.323-05	2.295-18	1.142-14	7.753-01	2.114-01	4.713-03	1.212-04	1.514-05
-5.6	.000+00	3.583-05	1.495-18	9.015-15	7.715-01	2.122-01	4.730-03	1.278-04	1.520-05
-5.4	.000+00	2.919-05	9.534-19	7.093-15	7.655-01	2.133-01	4.756-03	1.330-04	1.528-05
-5.2	.000+00	2.330-05	5.915-19	5.557-15	7.563-01	2.150-01	4.793-03	1.365-04	1.540-05
-5.0	.000+00	1.812-05	3.544-19	4.329-15	7.426-01	2.175-01	4.848-03	1.379-04	1.557-05
-4.8	.000+00	1.364-05	2.031-19	3.346-15	7.230-01	2.209-01	4.924-03	1.364-04	1.582-05
-4.6	.000+00	9.853-06	1.101-19	2.564-15	6.964-01	2.255-01	5.028-03	1.313-04	1.615-05
-4.4	.000+00	6.763-06	5.580-20	1.945-15	6.619-01	2.315-01	5.162-03	1.219-04	1.658-05
-4.2	.000+00	4.370-06	2.627-20	1.461-15	6.197-01	2.387-01	5.326-03	1.072-04	1.711-05
-4.0	.000+00	2.650-06	1.145-20	1.088-15	5.708-01	2.471-01	5.516-03	9.129-05	1.772-05
-3.8	.000+00	1.508-06	4.639-21	8.036-16	5.169-01	2.563-01	5.725-03	7.296-05	1.839-05
-3.6	.000+00	8.101-07	1.763-21	5.902-16	4.605-01	2.660-01	5.944-03	5.543-05	1.909-05
-3.4	.000+00	4.151-07	6.369-22	4.313-16	4.038-01	2.756-01	6.164-03	4.031-05	1.980-05
-3.2	.000+00	2.050-07	2.214-22	3.139-16	3.490-01	2.848-01	6.377-03	2.830-05	2.048-05
-3.0	.000+00	9.857-08	7.487-23	2.276-16	2.976-01	2.933-01	6.577-03	1.935-05	2.113-05
-2.8	.000+00	4.649-08	2.486-23	1.646-16	2.509-01	3.009-01	6.760-03	1.297-05	2.171-05
-2.6	.000+00	2.164-08	8.154-24	1.187-16	2.096-01	3.075-01	6.923-03	8.572-06	2.224-05
-2.4	.000+00	9.986-09	2.655-24	8.548-17	1.732-01	3.130-01	7.067-03	5.609-06	2.270-05
-2.2	.000+00	4.583-09	8.611-25	6.143-17	1.423-01	3.173-01	7.191-03	3.665-06	2.310-05
-2.0	.000+00	2.096-09	2.789-25	4.409-17	1.161-01	3.205-01	7.299-03	2.358-06	2.344-05
-1.8	.000+00	9.579-10	9.037-26	3.163-17	9.430-02	3.226-01	7.391-03	1.520-06	2.374-05
-1.6	.000+00	4.379-10	2.936-26	2.269-17	7.627-02	3.235-01	7.471-03	9.794-07	2.400-05
-1.4	.000+00	2.006-10	9.582-27	1.629-17	6.149-02	3.232-01	7.541-03	6.308-07	2.422-05
-1.2	.000+00	9.229-11	3.148-27	1.172-17	4.944-02	3.216-01	7.605-03	4.069-07	2.443-05
-1.0	.000+00	4.271-11	1.044-27	8.447-18	3.968-02	3.186-01	7.665-03	2.632-07	2.462-05
-.8	.000+00	1.993-11	3.509-28	6.113-18	3.180-02	3.140-01	7.723-03	1.710-07	2.481-05
-.6	.000+00	9.408-12	1.199-28	4.447-18	2.546-02	3.076-01	7.784-03	1.118-07	2.500-05
-.4	.000+00	4.567-12	4.187-29	3.258-18	2.038-02	2.985-01	7.849-03	7.368-08	2.521-05
-.2	.000+00	2.199-12	1.503-29	2.409-18	1.631-02	2.871-01	7.921-03	4.904-08	2.544-05
.0	.000+00	1.098-12	5.578-30	1.801-18	1.306-02	2.729-01	8.003-03	3.306-08	2.571-05
.2	.000+00	5.626-13	2.152-30	1.364-18	1.046-02	2.559-01	8.095-03	2.259-08	2.600-05
.4	.000+00	2.967-13	8.672-31	1.048-18	8.378-03	2.362-01	8.196-03	1.566-08	2.633-05
.6	.000+00	1.613-13	3.658-31	8.104-19	6.715-03	2.145-01	8.306-03	1.104-08	2.668-05
.8	.000+00	9.030-14	1.616-31	6.468-19	5.380-03	1.915-01	8.420-03	7.830-09	2.704-05
1.0	.000+00	5.199-14	7.460-32	5.220-19	4.306-03	1.680-01	8.535-03	5.625-09	2.741-05
1.2	.000+00	3.069-14	3.588-32	4.255-19	3.439-03	1.450-01	8.647-03	4.066-09	2.777-05
1.4	.000+00	1.851-14	1.789-32	3.506-19	2.738-03	1.231-01	8.753-03	2.942-09	2.812-05
1.6	.000+00	1.138-14	9.204-33	2.913-19	2.169-03	1.029-01	8.852-03	2.120-09	2.843-05
1.8	.000+00	7.100-15	4.864-33	2.431-19	1.705-03	8.457-02	8.941-03	1.509-09	2.872-05
2.0	.000+00	4.494-15	2.631-33	2.029-19	1.326-03	6.824-02	9.022-03	1.052-09	2.898-05
2.2	.000+00	2.887-15	1.458-33	1.684-19	1.013-03	5.380-02	9.096-03	7.085-10	2.922-05

T= 5400

LOG D	E-	I	E/RT	H/RT	S/R	LOG P	I+
-7.0	4.853-03	1.99980+00	2.21223+01	2.41222+01	7.78727+01	-5.40275+00	1.99989+00
-6.8	3.877-03	1.99749+00	2.20492+01	2.40466+01	7.68792+01	-5.20328+00	1.99745+00
-6.6	3.092-03	1.99515+00	2.19836+01	2.39787+01	7.58943+01	-5.00378+00	1.99515+00
-6.4	2.467-03	1.99277+00	2.19197+01	2.39125+01	7.49122+01	-4.80430+00	1.99277+00
-6.2	1.970-03	1.98999+00	2.18506+01	2.38406+01	7.39260+01	-4.60490+00	1.98999+00
-6.0	1.576-03	1.98641+00	2.17671+01	2.37535+01	7.29268+01	-4.40568+00	1.98641+00
-5.8	1.264-03	1.98144+00	2.16566+01	2.36380+01	7.19026+01	-4.20677+00	1.98144+00
-5.6	1.018-03	1.97427+00	2.15015+01	2.34757+01	7.08365+01	-4.00835+00	1.97427+00
-5.4	8.255-04	1.96376+00	2.12778+01	2.32416+01	6.97060+01	-3.81066+00	1.96376+00
-5.2	6.754-04	1.94843+00	2.09548+01	2.29032+01	6.84819+01	-3.61407+00	1.94843+00
-5.0	5.596-04	1.92659+00	2.04968+01	2.24234+01	6.71314+01	-3.41896+00	1.92659+00
-4.8	4.713-04	1.89662+00	1.98697+01	2.17664+01	6.56237+01	-3.22577+00	1.89662+00
-4.6	4.047-04	1.85747+00	1.90519+01	2.09094+01	6.39412+01	-3.03483+00	1.85747+00
-4.4	3.548-04	1.80928+00	1.80461+01	1.98554+01	6.20907+01	-2.84625+00	1.80928+00
-4.2	3.173-04	1.75362+00	1.68851+01	1.86387+01	6.01091+01	-2.65382+00	1.75362+00
-4.0	2.884-04	1.69326+00	1.56267+01	1.73199+01	5.80569+01	-2.47503+00	1.69326+00
-3.8	2.654-04	1.63150+00	1.43394+01	1.59709+01	5.60041+01	-2.29117+00	1.63150+00
-3.6	2.458-04	1.57139+00	1.30871+01	1.46585+01	5.40144+01	-2.10747+00	1.57139+00
-3.4	2.283-04	1.51527+00	1.19188+01	1.34346+01	5.21356+01	-1.92326+00	1.51527+00
-3.2	2.120-04	1.46460+00	1.08650+01	1.23296+01	5.03960+01	-1.73803+00	1.46460+00
-3.0	1.962-04	1.42005+00	9.93968+00	1.13597+01	4.88067+01	-1.55145+00	1.42005+00
-2.8	1.809-04	1.38165+00	9.14391+00	1.05256+01	4.73660+01	-1.36335+00	1.38165+00
-2.6	1.661-04	1.34905+00	8.47050+00	9.81951+00	4.60641+01	-1.17372+00	1.34905+00
-2.4	1.518-04	1.32166+00	7.90752+00	9.22911+00	4.48863+01	-9.82630-01	1.32166+00
-2.2	1.381-04	1.29879+00	7.44094+00	8.73971+00	4.38165+01	-7.90210-01	1.29877+00
-2.0	1.252-04	1.27971+00	7.05641+00	8.33611+00	4.28394+01	-5.96640-01	1.27969+00
-1.8	1.130-04	1.26373+00	6.74024+00	8.00397+00	4.19367+01	-4.02100-01	1.26370+00
-1.6	1.017-04	1.25022+00	6.47993+00	7.73015+00	4.10977+01	-2.06770-01	1.25017+00
-1.4	9.117-05	1.23857+00	6.26428+00	7.50285+00	4.03090+01	-1.08300-02	1.23850+00
-1.2	8.150-05	1.22824+00	6.08337+00	7.31162+00	3.95601+01	1.85530-01	1.22813+00
-1.0	7.261-05	1.21873+00	5.92841+00	7.14715+00	3.88418+01	3.82160-01	1.21857+00
-.8	6.444-05	1.20958+00	5.79152+00	7.00110+00	3.81458+01	5.78880-01	1.20931+00
-.6	5.693-05	1.20033+00	5.66561+00	6.86594+00	3.74649+01	7.75550-01	1.19991+00
-.4	5.002-05	1.19061+00	5.54436+00	6.73497+00	3.67931+01	9.72020-01	1.18995+00
-.2	4.365-05	1.18011+00	5.42238+00	6.60249+00	3.61253+01	1.16817+00	1.17908+00
.0	3.778-05	1.16868+00	5.29561+00	6.46429+00	3.54576+01	1.36394+00	1.16706+00
.2	3.237-05	1.15637+00	5.15184+00	6.31821+00	3.47885+01	1.55934+00	1.15382+00
.4	2.742-05	1.14351+00	5.02106+00	6.16457+00	3.41182+01	1.75449+00	1.13953+00
.6	2.293-05	1.13074+00	4.87550+00	6.00624+00	3.34490+01	1.94961+00	1.12452+00
.8	1.892-05	1.11900+00	4.72900+00	5.84901+00	3.27865+01	2.14508+00	1.10929+00
1.0	1.541-05	1.10953+00	4.58612+00	5.69566+00	3.21286+01	2.34139+00	1.09433+00
1.2	1.240-05	1.10390+00	4.45107+00	5.55498+00	3.14941+01	2.53918+00	1.08014+00
1.4	9.876-06	1.10421+00	4.32712+00	5.43133+00	3.08520+01	2.73930+00	1.06703+00
1.6	7.818-06	1.11341+00	4.21632+00	5.32974+00	3.02310+01	2.94290+00	1.05514+00
1.8	6.180-06	1.13591+00	4.11963+00	5.25554+00	2.96170+01	3.15159+00	1.04463+00
2.0	4.915-06	1.17843+00	4.03724+00	5.21568+00	2.90027+01	3.36755+00	1.03526+00
2.2	3.975-06	1.25128+00	3.96903+00	5.22031+00	2.83764+01	3.59360+00	1.02682+00

T= 5500

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.614-04	1.183-09	3.463-07	4.294-C8	6.723-17	1.144-17	3.549-16	2.137-07	3.784-10
-6.8	4.157-04	1.885-09	5.510-07	7.862-C8	1.954-16	2.890-17	8.957-16	2.693-07	4.777-10
-6.6	6.601-04	2.999-09	8.759-07	1.420-C7	5.599-16	7.291-17	2.257-15	3.388-07	6.023-10
-6.4	1.047-03	4.770-09	1.391-06	2.527-C7	1.582-15	1.837-16	5.681-15	4.258-07	7.588-10
-6.2	1.658-03	7.582-09	2.207-06	4.438-C7	4.466-15	4.624-16	1.427-14	5.340-07	9.551-10
-6.0	2.622-03	1.205-08	3.499-06	7.687-C7	1.210-14	1.163-15	3.579-14	6.680-07	1.201-09
-5.8	4.134-03	1.915-08	5.540-06	1.314-C6	3.281-14	2.918-15	8.968-14	8.325-07	1.509-09
-5.6	6.495-03	3.048-08	8.796-06	2.218-C6	8.779-14	7.314-15	2.229-13	1.032-06	1.893-09
-5.4	1.015-02	4.849-08	1.381-05	3.698-C6	2.322-13	1.829-14	5.520-13	1.267-06	2.369-09
-5.2	1.572-02	7.732-08	2.171-05	6.088-C6	6.055-13	4.566-14	1.356-12	1.537-06	2.957-09
-5.0	2.407-02	1.236-07	3.396-05	9.806-C6	1.559-12	1.130-13	3.290-12	1.830-06	3.675-09
-4.8	3.625-02	1.982-07	5.277-05	1.579-C5	3.946-12	2.783-13	7.853-12	2.123-06	4.542-09
-4.6	5.340-02	3.194-07	8.129-05	2.471-C5	9.783-12	6.793-13	1.833-11	2.361-06	5.571-09
-4.4	7.649-02	5.171-07	1.238-04	3.760-C5	2.359-11	1.639-12	4.160-11	2.560-06	6.772-09
-4.2	1.060-01	8.417-07	1.860-04	5.518-C5	5.485-11	3.902-12	9.239-11	2.629-06	8.150-09
-4.0	1.419-01	1.376-06	2.751-04	7.738-C5	1.219-10	9.142-12	1.937-10	2.459-06	9.712-09
-3.8	1.830-01	2.258-06	4.002-04	1.030-C4	2.571-10	2.107-11	3.958-10	2.375-06	1.146-08
-3.6	2.278-01	3.710-06	5.723-04	1.300-C4	5.137-10	4.772-11	7.805-10	2.108-06	1.343-08
-3.4	2.744-01	6.094-06	8.051-04	1.559-C4	9.758-10	1.083-10	1.489-09	1.798-06	1.562-08
-3.2	3.209-01	9.992-06	1.115-03	1.791-C4	1.774-09	2.331-10	2.756-09	1.483-06	1.806-08
-3.0	3.655-01	1.633-05	1.521-03	1.986-C4	3.115-09	5.034-10	4.970-09	1.189-06	2.079-08
-2.8	4.071-01	2.660-05	2.048-03	2.145-C4	5.323-09	1.073-09	8.757-09	9.323-07	2.383-08
-2.6	4.447-01	4.311-05	2.726-03	2.271-C4	8.515-09	2.257-09	1.513-08	7.172-07	2.720-08
-2.4	4.780-01	6.957-05	3.590-03	2.372-C4	1.471-08	4.699-09	2.570-08	5.434-07	3.094-08
-2.2	5.068-01	1.117-04	4.684-03	2.451-C4	2.401-08	9.683-09	4.304-08	4.067-07	3.507-08
-2.0	5.314-01	1.785-04	6.063-03	2.513-C4	3.884-08	1.978-08	7.121-08	3.014-07	3.961-08
-1.8	5.520-01	2.838-04	7.791-03	2.562-C4	6.242-08	4.005-08	1.166-07	2.216-07	4.458-08
-1.6	5.691-01	4.487-04	9.948-03	2.602-C4	9.974-08	8.046-08	1.891-07	1.621-07	5.000-08
-1.4	5.831-01	7.054-04	1.263-02	2.635-C4	1.586-07	1.603-07	3.042-07	1.180-07	5.586-08
-1.2	5.945-01	1.101-03	1.593-02	2.663-C4	2.509-07	3.168-07	4.855-07	8.574-08	6.213-08
-1.0	6.038-01	1.706-03	1.998-02	2.687-C4	3.948-07	6.198-07	7.692-07	6.223-08	6.877-08
-.8	6.112-01	2.616-03	2.489-02	2.708-C4	6.180-07	1.200-06	1.209-06	4.519-08	7.567-08
-.6	6.173-01	3.964-03	3.079-02	2.727-C4	9.607-07	2.291-06	1.885-06	3.291-08	8.265-08
-.4	6.223-01	5.915-03	3.777-02	2.746-C4	1.481-06	4.306-06	2.910-06	2.407-08	8.946-08
-.2	6.267-01	8.663-03	4.587-02	2.764-C4	2.262-06	7.939-06	4.444-06	1.772-08	9.583-08
.0	6.307-01	1.240-02	5.505-02	2.781-C4	3.412-06	1.431-05	6.702-06	1.318-08	1.013-07
.2	6.347-01	1.729-02	6.520-02	2.796-C4	5.073-06	2.511-05	9.967-06	9.914-09	1.056-07
.4	6.387-01	2.338-02	7.606-02	2.807-C4	7.420-06	4.279-05	1.459-05	7.568-09	1.083-07
.6	6.431-01	3.061-02	8.731-02	2.813-C4	1.065-05	7.074-05	2.102-05	5.875-09	1.093-07
.8	6.477-01	3.876-02	9.858-02	2.809-C4	1.501-05	1.135-04	2.978-05	4.644-09	1.086-07
1.0	6.525-01	4.749-02	1.095-01	2.793-C4	2.072-05	1.773-04	4.150-05	3.742-09	1.064-07
1.2	6.573-01	5.645-02	1.198-01	2.760-C4	2.807-05	2.710-04	5.695-05	3.078-09	1.031-07
1.4	6.621-01	6.525-02	1.291-01	2.706-C4	3.733-05	4.086-04	7.705-05	2.588-09	9.937-08
1.6	6.667-01	7.362-02	1.375-01	2.627-C4	4.885-05	6.149-04	1.029-04	2.231-09	9 574-08
1.8	6.710-01	8.133-02	1.447-01	2.519-C4	6.299-05	9.385-04	1.359-04	1.982-09	9.301-08
2.0	6.750-01	9.826-02	1.507-01	2.376-C4	8.025-05	1.487-03	1.776-04	1.832-09	9.219-08
2.2	6.789-01	9.424-02	1.555-01	2.194-C4	1.013-04	2.527-03	2.295-04	1.792-09	9.482-08

T= 5500

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	C++	A+
-7.0	1.042-24	1.175-05	6.729-10	5.565-11	4.606-03	.000+00	1.754-03	.000+00	5.119-06
-6.8	2.095-24	1.402-05	9.762-10	7.045-11	3.659-03	.000+00	1.395-03	.000+00	4.064-06
-6.6	4.207-24	1.667-05	1.397-09	3.914-11	2.904-03	.000+00	1.108-03	.000+00	3.225-06
-6.4	8.445-24	2.349-05	1.970-09	1.128-10	2.303-03	.000+00	8.800-04	.000+00	2.558-06
-6.2	1.695-23	2.951-05	2.739-09	1.427-10	1.824-03	.000+00	6.983-04	.000+00	2.029-06
-6.0	3.405-23	3.702-05	3.755-09	1.808-10	1.443-03	.000+00	5.537-04	.000+00	1.608-06
-5.8	6.850-23	4.631-05	5.072-09	2.293-10	1.139-03	.000+00	4.387-04	.000+00	1.273-06
-5.6	1.381-22	5.774-05	6.753-09	2.916-10	8.953-04	.000+00	3.471-04	.000+00	1.007-06
-5.4	2.796-22	7.160-05	8.854-09	3.725-10	7.C03-04	.000+00	2.741-04	.000+00	7.950-07
-5.2	5.696-22	8.810-05	1.141-08	4.787-10	5.436-04	.000+00	2.158-04	.000+00	6.259-07
-5.0	1.171-21	1.072-04	1.441-08	6.209-10	4.172-04	.000+00	1.692-04	.000+00	4.908-07
-4.8	2.436-21	1.283-04	1.773-08	8.156-10	3.152-04	.000+00	1.319-04	.000+00	3.827-07
-4.6	5.159-21	1.505-04	2.112-08	1.089-C9	2.333-04	.000+00	1.021-04	.000+00	2.962-07
-4.4	1.113-20	1.721-04	2.413-08	1.483-C9	1.683-04	.000+00	7.834-05	.000+00	2.273-07
-4.2	2.450-20	1.911-04	2.618-08	2.060-C9	1.180-04	.000+00	5.951-05	.000+00	1.727-07
-4.0	5.499-20	2.060-04	2.676-08	2.918-C9	8.C27-05	.000+00	4.476-05	.000+00	1.300-07
-3.8	1.254-19	2.158-04	2.564-08	4.201-C9	5.305-05	.000+00	3.335-05	.000+00	9.690-08
-3.6	2.891-19	2.198-04	2.306-08	6.116-C9	3.414-05	.000+00	2.466-05	.000+00	7.169-08
-3.4	6.709-19	2.189-04	1.958-08	8.962-09	2.147-05	.000+00	1.811-05	.000+00	5.270-08
-3.2	1.560-18	2.139-04	1.586-08	1.316-C8	1.325-05	.000+00	1.323-05	.000+00	3.854-08
-3.0	3.623-18	2.055-04	1.239-08	1.931-C8	8.042-06	.000+00	9.623-06	.000+00	2.806-08
-2.8	8.385-18	1.948-04	9.418-09	2.825-C8	4.818-06	.000+00	6.971-06	.000+00	2.036-08
-2.6	1.931-17	1.825-04	7.024-09	4.114-C8	2.855-06	.000+00	5.032-06	.000+00	1.473-08
-2.4	4.424-17	1.694-04	5.169-09	5.962-C8	1.677-06	.000+00	3.621-06	.000+00	1.063-08
-2.2	1.007-16	1.560-04	3.769-09	8.595-C8	9.776-07	.000+00	2.598-06	.000+00	7.653-09
-2.0	2.280-16	1.428-04	2.732-09	1.233-C7	5.668-07	.000+00	1.860-06	.000+00	5.502-09
-1.8	5.125-16	1.299-04	1.972-09	1.759-C7	3.273-07	.000+00	1.328-06	.000+00	3.952-09
-1.6	1.144-15	1.176-04	1.421-09	2.495-C7	1.884-07	.000+00	9.469-07	.000+00	2.838-09
-1.4	2.535-15	1.061-04	1.023-09	3.521-C7	1.082-07	.000+00	6.738-07	.000+00	2.039-09
-1.2	5.566-15	9.538-05	7.362-10	4.938-C7	6.214-08	.000+00	4.788-07	.000+00	1.466-09
-1.0	1.209-14	8.549-05	5.308-10	6.876-C7	3.570-08	.000+00	3.397-07	.000+00	1.057-09
-.8	2.593-14	7.642-05	3.838-10	9.494-C7	2.055-08	.000+00	2.407-07	.000+00	7.645-10
-.6	5.468-14	6.815-05	2.787-10	1.297-C6	1.188-08	.000+00	1.704-07	.000+00	5.556-10
-.4	1.130-13	6.065-05	2.036-10	1.750-C6	6.901-09	.000+00	1.204-07	.000+00	4.065-10
-.2	2.276-13	5.386-05	1.498-10	2.323-C6	4.041-09	.000+00	8.506-08	.000+00	3.000-10
.0	4.442-13	4.776-05	1.114-10	3.024-C6	2.391-09	.000+00	6.003-08	.000+00	2.238-10
.2	8.357-13	4.230-05	8.373-11	3.846-06	1.433-09	.000+00	4.233-08	.000+00	1.692-10
.4	1.508-12	3.745-05	6.378-11	4.764-C6	8.714-10	.000+00	2.985-08	.000+00	1.299 10
.6	2.603-12	3.316-05	4.929-11	5.735-C6	5.392-10	.000+00	2.106-08	.000+00	1.014-10
.8	4.296-12	2.940-05	3.865-11	6.705-C6	3.398-10	.000+00	1.488-08	.000+00	8.064-11
1.0	6.795-12	2.616-05	3.076-11	7.624-C6	2.184-10	.000+00	1.055-08	.000+00	6.534-11
1.2	1.036-11	2.341-05	2.483-11	8.458-C6	1.433-10	.000+00	7.514-09	.000+00	5.349-11
1.4	1.534-11	2.113-05	2.039-11	9.205-C6	9.616-11	.000+00	5.398-09	.000+00	4.554-11
1.6	2.240-11	1.936-05	1.695-11	9.906-C6	6.621-11	.000+00	3.928-09	.000+00	3.929-11
1.8	3.272-11	1.813-05	1.439-11	1.066-C5	4.707-11	.000+00	2.918-09	.000+00	3.484-11
2.0	4.899-11	1.757-05	1.254-11	1.164-C5	3.491-11	.000+00	2.238-09	.000+00	3.202-11
2.2	7.771-11	1.769-05	1.135-11	1.320-C5	2.752-11	.000+00	1.804-09	.000+00	3.094-11

T= 5500

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.763-20	1.045-04	4.519-17	8.255-14	7.744-01	2.077-01	4.657-03	6.C16-05	1.497-05
-6.8	1.738-20	9.562-05	3.273-17	6.552-14	7.762-01	2.C83-01	4.665-03	6.917-05	1.500-05
-6.6	1.093-20	8.612-05	2.336-17	5.199-14	7.774-01	2.089-01	4.672-03	7.892-05	1.502-05
-6.4	6.870-21	7.656-05	1.647-17	4.123-14	7.782-01	2.094-01	4.678-03	8.857-05	1.503-05
-6.2	4.314-21	6.711-05	1.143-17	3.269-14	7.785-01	2.098-01	4.685-03	9.804-05	1.505-05
-6.0	2.705-21	5.800-05	7.817-18	2.591-14	7.781-01	2.103-01	4.692-03	1.071-04	1.508-05
-5.8	1.693-21	4.941-05	5.264-18	2.051-14	7.769-01	2.108-01	4.702-03	1.154-04	1.511-05
-5.6	1.056-21	4.149-05	3.486-18	1.622-14	7.745-01	2.114-01	4.715-03	1.227-04	1.515-05
-5.4	6.552-22	3.432-05	2.267-18	1.281-14	7.705-01	2.123-01	4.733-03	1.292-04	1.521-05
-5.2	4.041-22	2.790-05	1.443-18	1.008-14	7.646C-01	2.136-01	4.761-03	1.342-04	1.529-05
-5.0	2.444-22	2.222-05	8.936-19	7.906-15	7.541-01	2.154-01	4.801-03	1.375-04	1.542-05
-4.8	1.460-22	1.726-05	5.348-19	6.165-15	7.395-01	2.180-01	4.859-03	1.386-04	1.561-05
-4.6	8.726-23	1.297-05	3.061-19	4.772-15	7.188-01	2.216-01	4.940-03	1.369-04	1.587-05
-4.4	5.027-23	9.353-06	1.657-19	3.662-15	6.909-01	2.264-01	5.049-03	1.314-04	1.622-05
-4.2	2.825-23	6.405-06	8.392-20	2.782-15	6.550-01	2.326-01	5.189-03	1.217-04	1.667-05
-4.0	1.549-23	4.132-06	3.945-20	2.093-15	6.115-01	2.401-01	5.358-03	1.078-04	1.721-05
-3.8	8.313-24	2.499-06	1.718-20	1.561-15	5.616-01	2.486-01	5.552-03	9.058-05	1.783-05
-3.6	4.385-24	1.419-06	6.952-21	1.155-15	5.071-01	2.579-01	5.763-03	7.216-05	1.851-05
-3.4	2.283-24	7.611-07	2.641-21	8.490-16	4.505-01	2.676-01	5.983-03	5.466-05	1.922-05
-3.2	1.178-24	3.894-07	9.535-22	6.269-16	3.940-01	2.771-01	6.203-03	3.965-05	1.992-05
-3.0	6.043-25	1.921-07	3.314-22	4.521-16	3.396-01	2.862-01	6.414-03	2.778-05	2.060-05
-2.8	3.088-25	9.232-08	1.121-22	3.280-16	2.891-01	2.945-01	6.612-03	1.896-05	2.124-05
-2.6	1.574-25	4.353-08	3.726-23	2.373-16	2.432-01	3.019-01	6.791-03	1.270-05	2.181-05
-2.4	8.010-26	2.027-08	1.224-23	1.712-16	2.026-01	3.082-01	6.952-03	8.387-06	2.233-05
-2.2	4.079-26	9.358-09	3.991-24	1.233-16	1.674-01	3.133-01	7.092-03	5.486-06	2.278-05
-2.0	2.072-26	4.298-09	1.297-24	8.863-17	1.373-01	3.173-01	7.214-03	3.565-06	2.317-05
-1.8	1.055-26	1.969-09	4.211-25	6.366-17	1.120-01	3.201-01	7.320-03	2.307-06	2.351-05
-1.6	5.361-27	9.016-10	1.369-25	4.572-17	9.089-C2	3.217-01	7.411-03	1.489-06	2.380-05
-1.4	2.751-27	4.133-10	4.468-26	3.284-17	7.347-C2	3.221-01	7.491-03	9.606-07	2.406-05
-1.2	1.413-27	1.900-10	1.466-26	2.362-17	5.92C-C2	3.212-01	7.561-03	6.199-07	2.429-05
-1.0	7.292-28	8.783-11	4.854-27	1.702-17	4.759-C2	3.189-01	7.627-03	4.009-07	2.450-05
-.8	3.793-28	4.090-11	1.625-27	1.231-17	3.819-C2	3.149-01	7.689-03	2.602-07	2.470-05
-.6	1.993-28	1.924-11	5.528-28	8.944-18	3.061-C2	3.091-01	7.751-03	1.698-07	2.490-05
-.4	1.061-28	9.175-12	1.918-28	6.540-18	2.451-C2	3.012-01	7.817-03	1.116-07	2.511-05
-.2	5.746-29	4.451-12	6.831-29	4.823-18	1.962-C2	2.908-01	7.888-03	7.406-08	2.534-05
.0	3.179-29	2.206-12	2.510-29	3.595-18	1.571-C2	2.777-01	7.968-03	4.970-08	2.559-05
.2	1.804-29	1.121-12	9.579-30	2.713-18	1.258-C2	2.618-01	8.057-03	3.379-08	2.588-05
.4	1.055-29	5.862-13	3.815-30	2.078-18	1.008-C2	2.431-01	8.156-03	2.329-08	2.620-05
.6	6.374-30	3.159-13	1.591-30	1.616-18	8.077-C3	2.222-01	8.263-03	1.629-08	2.654-05
.8	3.988-30	1.755-13	6.954-31	1.277-18	6.471-03	1.996-01	8.377-03	1.156-08	2.691-05
1.0	2.586-30	1.004-13	3.184-31	1.025-18	5.179-03	1.763-01	8.492-03	8.259-09	2.728-05
1.2	1.739-30	5.859-14	1.523-31	8.337-19	4.137-03	1.530-01	8.606-03	5.954-09	2.766-05
1.4	1.212-30	3.550-14	7.573-32	6.863-19	3.295-03	1.306-01	8.715-03	4.304-09	2.799-05
1.6	8.764-31	2.180-14	3.899-32	5.701-19	2.611-03	1.097-01	8.818-03	3.101-09	2.832-05
1.8	6.593-31	1.363-14	2.069-32	4.762-19	2.054-03	9.055-02	8.911-03	2.212-09	2.862-05
2.0	.C00+C0	8.668-15	1.128-32	3.981-19	1.597-03	7.333-02	8.997-03	1.547-09	2.890-05
2.2	.C00+C0	5.608-15	6.337-33	3.316-19	1.220-03	5.8C0-02	9.075-03	1.047-09	2.915-05

T= 5500

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	6.482-C3	2.C0340+C0	2.18963+01	2.38997+01	7.8C5C3+C1	-5.39402+00	2.00340+00
-6.8	5.169-03	2.CC044+C0	2.18063+01	2.38067+01	7.7C384+01	-5.19466+00	2.00044+00
-6.6	4.121-03	1.99783+C0	2.17296+01	2.37275+01	7.6C411+01	-4.99522+00	1.99783+00
-6.4	3.286-03	1.99538+C0	2.16608+01	2.36561+01	7.5C528+C1	-4.79576+00	1.99538+00
-6.2	2.622-03	1.99281+C0	2.15936+01	2.35864+01	7.4CC73+01	-4.59632+00	1.99282+00
-6.0	2.094-03	1.98983+C0	2.15207+01	2.35105+01	7.3C773+01	-4.39697+00	1.98983+00
-5.8	1.675-03	1.98597+C0	2.14324+01	2.34183+C1	7.2C735+C1	-4.19781+00	1.98597+00
-5.6	1.344-03	1.98062+C0	2.13155+01	2.32961+01	7.1C432+01	-3.99898+00	1.98067+00
-5.4	1.C82-03	1.97290+C0	2.11515+C1	2.31244+01	6.99688+01	-3.80068+00	1.97290+00
-5.2	8.775-04	1.96161+C0	2.09158+01	2.28774+01	6.88270+01	-3.60317+00	1.96161+00
-5.0	7.181-04	1.94523+C0	2.05768+01	2.2522C+01	6.75882+01	-3.40681+C0	1.94523+00
-4.8	5.952-04	1.92204+C0	2.00992+C1	2.20212+01	6.62198+01	-3.21202+00	1.92204+00
-4.6	5.016-04	1.89047+C0	1.94507+C1	2.13412+01	6.46931+01	-3.C1921+00	1.89047+00
-4.4	4.309-04	1.84966+C0	1.86135+01	2.04632+01	6.29944+01	-2.82869+00	1.84966+00
-4.2	3.779-04	1.79998+C0	1.75952+C1	1.93952+C1	6.11355+01	-2.64052+00	1.79998+00
-4.0	3.379-04	1.74325+C0	1.64332+C1	1.81764+C1	5.91574+01	-2.45442+00	1.74325+00
-3.8	3.070-04	1.68238+C0	1.51870+C1	1.68694+C1	5.71224+01	-2.26986+00	1.68238+00
-3.6	2.822-04	1.62068+C0	1.39243+01	1.5545C+01	5.5C992+01	-2.08609+00	1.62068+00
-3.4	2.612-04	1.56110+C0	1.27957+01	1.42668+C1	5.31481+01	-1.90235+00	1.56110+00
-3.2	2.423-04	1.50582+C0	1.17562+01	1.30F2C+01	5.13126+01	-1.71801+00	1.50582+00
-3.0	2.246-04	1.45617+C0	1.05626+01	1.20188+01	4.96173+01	-1.53257+00	1.45617+00
-2.8	2.C76-04	1.41266+C0	9.67605+C0	1.10887+01	4.8C704+01	-1.34575+00	1.41266+00
-2.6	1.912-04	1.37526+00	8.91595+0C	1.C2912+C1	4.66686+01	-1.15740+00	1.37526+00
-2.4	1.753-04	1.34355+00	8.27410+C0	9.61766+C0	4.54010+01	-9.67530-01	1.34355+00
-2.2	1.600-04	1.31692+C0	7.73824+00	9.C5516+C0	4.42527+01	-7.76220-01	1.31691+00
-2.0	1.454-04	1.29465+00	7.29440+00	8.58905+C0	4.32077+01	-5.83630-01	1.29463+00
-1.8	1.316-04	1.27602+00	6.92849+00	8.20451+C0	4.225C0+01	-3.89920-01	1.27600+00
-1.6	1.187-04	1.26035+00	6.62718+C0	7.88753+C0	4.1364A+C1	-1.95290-01	1.26030+00
-1.4	1.067-04	1.24698+00	6.37833+00	7.62531+C0	4.C53E7+01	8.C0000-05	1.24691+00
-1.2	9.558-05	1.23532+C0	6.17106+C0	7.40638+CC	3.97599+01	1.96000-01	1.23521+00
-1.0	8.531-05	1.22483+C0	5.99572+CC	7.22C55+C0	3.9C181+01	3.92790-01	1.22466+00
-.8	7.585-05	1.21500+C0	5.84372+C0	7.05871+C0	3.83044+01	5.88790-01	1.21473+00
-.6	6.715-05	1.20536+C0	5.70735+C0	6.91271+C0	3.76107+01	7.85330-01	1.20494+00
-.4	5.914-05	1.19549+C0	5.57976+00	6.77525+C0	3.69303+01	9.81760-01	1.19482+00
-.2	5.174-05	1.18504+C0	5.45499+00	6.64003+CC	3.62573+C1	1.17795+00	1.18401+00
.0	4.492-05	1.17381+C0	5.32826+CC	6.50207+CC	3.55874+C1	1.37381+00	1.17218+00
.2	3.862-05	1.16177+C0	5.19675+00	6.35722+C0	3.49178+01	1.56934+00	1.15922+00
.4	3.283-05	1.14915+C0	5.05852+CC	6.20767+C0	3.42478+01	1.76459+00	1.14516+00
.6	2.756-05	1.13652+C0	4.91565+0C	6.C5217+C0	3.35786+01	1.95979+00	1.13028+00
.8	2.283-05	1.12476+C0	4.77088+C0	5.89564+C0	3.29132+01	2.15527+00	1.11500+00
1.0	1.866-05	1.11508+C0	4.62835+00	5.76343+C0	3.22551+01	2.35152+00	1.09983+00
1.2	1.506-05	1.10909+C0	4.49225+CC	5.60135+C0	3.16070+01	2.54919+00	1.08526+00
1.4	1.204-05	1.10894+C0	4.36609+00	5.47502+CC	3.C9704+01	2.74912+00	1.07166+00
1.6	9.553-06	1.11761+C0	4.25227+00	5.36988+C0	3.03443+C1	2.95251+00	1.05925+00
1.8	7.568-06	1.13954+00	4.15212+C0	5.29186+CC	2.97251+01	3.16095+00	1.04811+00
2.0	6.031-06	1.18149+00	4.06613+00	5.24763+CC	2.91056+C1	3.37665+00	1.03816+00
2.2	4.867-06	1.25378+C0	3.99441+C0	5.24815+C0	2.84746+01	3.60244+00	1.02918+00

T= 560C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.804-04	9.706-10	2.701-07	2.523-08	3.275-17	8.015-18	2.311-16	2.078-07	3.833-10
-6.8	2.873-04	1.561-09	4.305-07	4.065-08	9.611-17	2.029-17	5.844-16	2.622-07	4.846-10
-6.6	4.569-04	2.486-09	6.851-07	6.512-08	2.706-16	5.126-17	1.475-15	3.305-07	6.118-10
-6.4	7.256-04	3.957-09	1.089-06	1.031-07	7.954-16	1.294-16	3.719-15	4.159-07	7.717-10
-6.2	1.151-03	6.294-09	1.730-06	2.717-07	2.239-15	3.260-16	9.359-15	5.227-07	9.724-10
-6.0	1.823-03	1.001-08	2.745-06	4.754-07	6.214-15	8.205-16	2.351-14	6.556-07	1.224-09
-5.8	2.881-03	1.590-08	4.351-06	8.206-07	1.701-14	2.062-15	5.893-14	8.199-07	1.540-09
-5.6	4.540-03	2.529-08	6.887-06	1.390-06	4.597-14	5.177-15	1.473-13	1.021-06	1.935-09
-5.4	7.126-03	4.022-08	1.088-05	2.353-06	1.227-13	1.297-14	3.665-13	1.265-06	2.428-09
-5.2	1.112-02	6.405-08	1.715-05	3.913-06	3.233-13	3.241-14	9.065-13	1.552-06	3.041-09
-5.0	1.719-02	1.022-07	2.694-05	6.425-06	8.416-13	8.068-14	2.222-12	1.878-06	3.798-09
-4.8	2.624-02	1.634-07	4.210-05	1.041-05	2.161-12	1.998-13	5.376-12	2.229-06	4.723-09
-4.6	3.936-02	2.624-07	6.533-05	1.659-05	5.457-12	4.914-13	1.279-11	2.570-06	5.841-09
-4.4	5.766-02	4.231-07	1.004-04	2.508-05	1.349-11	1.197-12	2.987-11	2.873-06	7.171-09
-4.2	8.207-02	6.858-07	1.525-04	3.929-05	3.243-11	2.881-12	6.691-11	3.070-06	8.727-09
-4.0	1.130-01	1.117-06	2.284-04	5.737-05	7.506-11	6.835-12	1.459-10	3.125-06	1.051-08
-3.8	1.500-01	1.828-06	3.387-04	8.007-05	1.660-10	1.596-11	3.069-10	3.025-06	1.254-08
-3.6	1.920-01	3.001-06	4.880-04	1.061-04	3.484-10	3.664-11	6.224-10	2.788-06	1.482-08
-3.4	2.374-01	4.930-06	6.954-04	1.331-04	6.925-10	6.770-11	1.218-09	2.458-06	1.737-08
-3.2	2.841-01	8.095-06	9.749-04	1.590-04	1.309-09	1.836-10	2.309-09	2.085-06	2.021-08
-3.0	3.303-01	1.326-05	1.345-03	1.818-04	2.370-09	4.010-10	4.249-09	1.712-06	2.338-08
-2.8	3.744-01	2.166-05	1.830-03	2.010-04	4.147-09	8.633-10	7.621-09	1.367-06	2.691-08
-2.6	4.152-01	3.522-05	2.458-03	2.166-04	7.066-09	1.834-09	1.337-08	1.068-06	3.078-08
-2.4	4.519-01	5.700-05	3.263-03	2.289-04	1.181-08	3.848-09	2.392-08	8.192-07	3.517-08
-2.2	4.842-01	9.182-05	4.288-03	2.381-04	1.945-08	7.986-09	3.894-08	6.196-07	3 97-08
-2.0	5.121-01	1.472-04	5.581-03	2.463-04	3.168-08	1.641-08	6.500-08	4.629-07	4.526-08
-1.8	5.358-01	2.346-04	7.208-03	2.523-04	5.117-08	3.342-08	1.072-07	3.427-07	5.105-08
-1.6	5.556-01	3.721-04	9.243-03	2.572-04	8.208-08	6.746-08	1.750-07	2.519-07	5.738-08
-1.4	5.720-01	5.866-04	1.178-02	2.611-04	1.329-07	1.350-07	2.831-07	1.842-07	6.474-08
-1.2	5.855-01	9.186-04	1.491-02	2.643-04	2.077-07	2.679-07	4.540-07	1.342-07	7.162-08
-1.0	5.964-01	1.427-03	1.876-02	2.671-04	3.278-07	5.266-07	7.223-07	9.759-08	7.947-08
-.8	6.052-01	2.198-03	2.344-02	2.694-04	5.144-07	1.024-06	1.140-06	7.097-08	8.767-08
-.6	6.123-01	3.345-03	2.909-02	2.716-04	8.021-07	1.966-06	1.784-06	5.169-08	9.608-08
-.4	6.182-01	5.021-03	3.581-02	2.736-04	1.241-06	3.719-06	2.766-06	3.779-08	1.044-07
-.2	6.231-01	7.406-03	4.367-02	2.755-04	1.903-06	6.909-06	4.243-06	2.780-08	1.124-07
.0	6.279-01	1.069-02	5.266-02	2.773-04	2.894-06	1.256-05	6.431-06	2.062-08	1.196-07
.2	6.316-01	1.505-02	6.268-02	2.790-04	4.313-06	2.227-05	9.617-06	1.548-08	1.255-07
.4	6.358-01	2.060-02	7.355-02	2.804-04	6.349-06	3.841-05	1.416-05	1.178-08	1.297-07
.6	6.401-01	2.730-02	8.496-02	2.813-04	9.184-06	6.428-05	2.053-05	9.110-09	1.321-07
.8	6.446-01	3.500-02	9.650-02	2.814-04	1.304-05	1.044-04	2.926-05	7.178-09	1.324-07
1.0	6.493-01	4.342-02	1.078-01	2.804-04	1.815-05	1.651-04	4.102-05	5.768-09	1.310-07
1.2	6.541-01	5.220-02	1.186-01	2.778-04	2.480-05	2.552-04	5.661-05	4.735-09	1.282-07
1.4	6.589-01	6.097-02	1.286-01	2.733-04	3.326-05	3.889-04	7.678-05	3.975-09	1.246-07
1.6	6.636-01	6.943-02	1.375-01	2.666-04	4.389-05	5.905-04	1.033-04	3.425-09	1.211-07
1.8	6.680-01	7.733-02	1.453-01	2.567-04	5.708-05	9.085-04	1.369-04	3.044-09	1.186-07
2.0	6.721-01	8.451-02	1.520-01	2.436-04	7.337-05	1.449-03	1.795-04	2.817-09	1.186-07
2.2	6.761-01	9.077-02	1.572-01	2.264-04	9.345-05	2.476-03	2.326-04	2.762-09	1.230-07

T= 560C

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.349-24	1.010-05	5.206-10	6.772-11	6.161-03	.CCC+00	2.265-03	.000+00	7.195-06
-6.8	2.715-24	1.275-05	7.632-10	8.579-11	4.899-03	.CCC+00	1.802-03	.000+00	5.715-06
-6.6	5.457-24	1.608-05	1.104-09	1.086-10	3.892-03	.000+00	1.433-03	.000+00	4.538-06
-6.4	1.096-23	2.027-05	1.574-09	1.374-10	3.090-03	.CCC+00	1.139-03	.000+00	3.602-06
-6.2	2.200-23	2.550-05	2.212-09	1.739-10	2.451-03	.CCC+00	9.046-04	.000+00	2.858-06
-6.0	4.417-23	3.205-05	3.065-09	2.200-10	1.941-03	.000+00	7.180-04	.000+00	2.267-06
-5.8	8.872-23	4.020-05	4.187-09	2.787-10	1.535-03	.000+00	5.695-04	.000+00	1.797-06
-5.6	1.785-22	5.029-05	5.639-09	3.536-10	1.211-03	.000+00	4.513-04	.000+00	1.423-06
-5.4	3.599-22	6.269-05	7.486-09	4.497-10	9.524-04	.CCC+00	3.572-04	.000+00	1.126-06
-5.2	7.289-22	7.770-05	9.788-09	5.745-10	7.447-04	.000+00	2.821-04	.000+00	8.895-07
-5.0	1.486-21	9.553-05	1.258-08	7.387-10	5.776-04	.000+00	2.223-04	.000+00	7.006-07
-4.8	3.056-21	1.161-04	1.585-08	9.589-10	4.427-04	.CCC+00	1.744-04	.000+00	5.498-07
-4.6	6.369-21	1.387-04	1.965-08	1.261-09	3.339-04	.000+00	1.361-04	.000+00	4.290-07
-4.4	1.349-20	1.624-04	2.311-08	1.685-09	2.466-04	.CCC+00	1.054-04	.000+00	3.325-07
-4.2	2.914-20	1.851-04	2.631-08	2.297-09	1.775-04	.000+00	8.098-05	.000+00	2.554-07
-4.0	6.420-20	2.050-04	2.844-08	3.194-09	1.241-04	.CCC+00	6.159-05	.000+00	1.943-07
-3.8	1.441-19	2.203-04	2.894-08	4.527-09	8.615-05	.CCC+00	4.638-05	.000+00	1.464-07
-3.6	3.286-19	2.299-04	2.760-08	6.516-09	5.545-05	.000+00	3.460-05	.000+00	1.093-07
-3.4	7.571-19	2.337-04	2.471-08	9.481-09	3.559-05	.000+00	2.560-05	.000+00	8.092-08
-3.2	1.755-18	2.322-04	2.091-08	1.380-08	2.233-05	.CCC+00	1.881-05	.000+00	5.953-08
-3.0	4.076-18	2.263-04	1.689-08	2.035-08	1.375-05	.000+00	1.375-05	.000+00	4.355-08
-2.8	9.442-18	2.170-04	1.316-08	2.981-08	8.329-06	.CCC+00	1.000-05	.000+00	3.172-08
-2.6	2.181-17	2.053-04	9.988-09	4.353-08	4.682-06	.000+00	7.243-06	.000+00	2.302-08
-2.4	5.012-17	1.920-04	7.441-09	6.328-08	2.948-06	.CCC+00	5.227-06	.000+00	1.666-08
-2.2	1.145-16	1.780-04	5.473-09	9.153-08	1.730-06	.000+00	3.760-06	.000+00	1.202-08
-2.0	2.601-16	1.637-04	3.990-09	1.317-07	1.008-06	.000+00	2.697-06	.000+00	8.660-09
-1.8	5.868-16	1.496-04	2.893-09	1.885-07	5.844-07	.CCC+00	1.930-06	.000+00	6.230-09
-1.6	1.315-15	1.360-04	2.090-09	2.683-07	3.374-07	.CCC+00	1.378-06	.000+00	4.479-09
-1.4	2.923-15	1.230-04	1.507-09	3.797-07	1.943-07	.000+00	9.822-07	.000+00	3.229-09
-1.2	6.444-15	1.109-04	1.086-09	5.341-07	1.118-07	.000+00	6.988-07	.000+00	2.317-09
-1.0	1.406-14	9.962-05	7.834-10	7.461-07	6.427-08	.CCC+00	4.964-07	.000+00	1.670-09
-.8	3.031-14	8.923-05	5.664-10	1.034-06	3.702-08	.CCC+00	3.521-07	.000+00	1.207-09
-.6	6.433-14	7.972-05	4.110-10	1.419-06	2.138-08	.CCC+00	2.495-07	.000+00	8.764-10
-.4	1.340-13	7.107-05	2.999-10	1.923-06	1.241-08	.CCC+00	1.766-07	.000+00	6.407-10
-.2	2.724-13	6.324-05	2.203-10	2.568-06	7.257-09	.CCC+00	1.249-07	.000+00	4.714-10
.0	5.378-13	5.619-05	1.634-10	3.367-06	4.283-09	.CCC+00	8.827-08	.000+00	3.507-10
.2	1.026-12	4.987-05	1.226-10	4.318-06	2.559-09	.000+00	6.237-08	.000+00	2.643-10
.4	1.879-12	4.425-05	9.314-11	5.399-06	1.551-09	.CCC+00	4.408-08	.000+00	2.022-10
.6	3.296-12	3.928-05	7.181-11	6.564-06	9.562-10	.CCC+00	3.118-08	.000+00	1.57_-10
.8	5.530-12	3.494-05	5.623-11	7.752-06	6.006-10	.CCC+00	2.210-08	.000+00	1.247-10
1.0	8.886-12	3.118-05	4.472-11	8.901-06	3.849-10	.000+00	1.571-08	.000+00	1.008-10
1.2	1.375-11	2.799-05	3.613-11	9.965-06	2.519-10	.000+00	1.123-08	.000+00	8.309-11
1.4	2.065-11	2.536-05	2.967-11	1.093-05	1.688-10	.000+00	8.096-09	.000+00	7.000-11
1.6	3.047-11	2.331-05	2.479-11	1.185-05	1.161-10	.000+00	5.913-09	.000+00	6.039-11
1.8	4.496-11	2.191-05	2.116-11	1.283-05	8.246-11	.000+00	4.407-09	.000+00	5.359-11
2.0	6.787-11	2.131-05	1.857-11	1.408-05	6.116-11	.000+00	3.391-09	.000+00	4.933-11
2.2	1.085-10	2.188-05	1.696-11	1.604-05	4.819-11	.CCC+00	2.742-09	.000+00	4.781-11

T= 5600

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	6.480-20	1.106-04	9.310-17	1.444-13	7.713-01	2.067-01	4.645-03	5.371-05	1.494-05
-6.8	4.080-20	1.021-04	6.809-17	1.146-13	7.738-01	2.076-01	4.655-03	6.254-05	1.497-05
-6.6	2.568-20	9.205-05	4.916-17	9.101-14	7.757-01	2.082-01	4.663-03	7.186-05	1.499-05
-6.4	1.615-20	8.353-05	3.500-17	7.222-14	7.770-01	2.088-01	4.671-03	8.147-05	1.501-05
-6.2	1.016-20	7.400-05	2.497-17	5.730-14	7.778-01	2.093-01	4.678-03	9.110-05	1.503-05
-6.0	6.379-21	6.465-05	1.780-17	4.544-14	7.781-01	2.098-01	4.685-03	1.005-04	1.505-05
-5.8	4.002-21	5.568-05	1.259-17	3.602-14	7.776-01	2.103-01	4.693-03	1.096-04	1.508-05
-5.6	2.506-21	4.729-05	7.778-18	2.853-14	7.763-01	2.108-01	4.703-03	1.175-04	1.511-05
-5.4	1.564-21	3.960-05	5.137-18	2.257-14	7.736-01	2.115-01	4.717-03	1.248-04	1.516-05
-5.2	9.713-22	3.266-05	3.332-18	1.782-14	7.692-01	2.125-01	4.738-03	1.308-04	1.522-05
-5.0	5.989-22	2.649-05	2.115-18	1.404-14	7.622-01	2.138-01	4.767-03	1.355-04	1.532-05
-4.8	3.654-22	2.109-05	1.307-18	1.102-14	7.514-01	2.158-01	4.811-03	1.385-04	1.545-05
-4.6	2.197-22	1.630-05	7.802-19	8.598-15	7.357-01	2.186-01	4.874-03	1.393-04	1.566-05
-4.4	1.296-22	1.222-05	4.453-19	6.661-15	7.136-01	2.224-01	4.960-03	1.371-04	1.593-05
-4.2	7.478-23	8.783-06	2.403-19	5.117-15	6.840-01	2.276-01	5.076-03	1.313-04	1.630-05
-4.0	4.208-23	5.697-06	1.212-19	3.893-15	6.466-01	2.340-01	5.221-03	1.211-04	1.677-05
-3.8	2.311-23	3.644-06	5.878-20	2.933-15	6.015-01	2.417-01	5.396-03	1.067-04	1.733-05
-3.6	1.248-23	2.318-06	2.662-20	2.189-15	5.506-01	2.505-01	5.594-03	8.925-05	1.797-05
-3.4	6.565-24	1.310-06	9.932-21	1.621-15	4.954-01	2.598-01	5.808-03	7.074-05	1.866-05
-3.2	3.424-24	7.001-07	3.763-21	1.193-15	4.386-01	2.696-01	6.029-03	5.334-05	1.937-05
-3.0	1.770-24	3.572-07	1.356-21	8.726-16	3.824-01	2.789-01	6.248-03	3.854-05	2.007-05
-2.8	9.089-25	1.759-07	4.709-22	6.356-16	3.288-01	2.878-01	6.457-03	2.693-05	2.074-05
-2.6	4.650-25	8.440-08	1.593-22	4.613-16	2.791-01	2.958-01	6.652-03	1.834-05	2.136-05
-2.4	2.373-25	3.978-08	5.295-23	3.337-16	2.344-01	3.029-01	6.828-03	1.226-05	2.193-05
-2.2	1.209-25	1.852-08	1.741-23	2.409-16	1.949-01	3.089-01	6.984-03	8.092-06	2.243-05
-2.0	6.161-26	8.554-09	5.686-24	1.735-16	1.608-01	3.136-01	7.122-03	5.291-06	2.287-05
-1.8	3.139-26	3.934-09	1.852-24	1.248-16	1.317-01	3.172-01	7.241-03	3.439-06	2.326-05
-1.6	1.602-26	1.805-09	6.032-25	8.972-17	1.073-01	3.195-01	7.344-03	2.226-06	2.359-05
-1.4	8.192-27	8.284-10	1.969-25	6.450-17	8.700-02	3.206-01	7.434-03	1.439-06	2.388-05
-1.2	4.204-27	3.810-10	6.460-26	4.640-17	7.029-02	3.204-01	7.513-03	9.294-07	2.413-05
-1.0	2.168-27	1.760-10	2.135-26	3.344-17	5.661-02	3.188-01	7.585-03	6.012-07	2.436-05
-.8	1.126-27	8.179-11	7.130-27	2.417-17	4.550-02	3.155-01	7.652-03	3.900-07	2.458-05
-.6	5.904-28	3.837-11	2.415-27	1.755-17	3.651-02	3.105-01	7.717-03	2.541-07	2.479-05
-.4	3.134-28	1.823-11	8.336-28	1.281-17	2.926-02	3.035-01	7.784-03	1.667-07	2.500-05
-.2	1.690-28	8.796-12	2.947-28	9.427-18	2.344-02	2.940-01	7.856-03	1.103-07	2.523-05
.0	9.303-29	4.331-12	1.074-28	7.007-18	1.877-02	2.820-01	7.934-03	7.371-08	2.548-05
.2	5.249-29	2.185-12	4.055-29	5.272-18	1.503-02	2.671-01	8.021-03	4.980-08	2.576-05
.4	3.050-29	1.133-12	1.597-29	4.022-18	1.204-02	2.495-01	8.117-03	3.422-08	2.607-05
.6	1.831-29	6.054-13	6.585-30	3.117-18	9.648-03	2.294-01	8.223-03	2.381-08	2.641-05
.8	1.139-29	3.337-13	2.849-30	2.455-18	7.728-03	2.073-01	8.335-03	1.679-08	2.677-05
1.0	7.353-30	1.896-13	1.293-30	1.965-18	6.185-03	1.842-01	8.450-03	1.197-08	2.714-05
1.2	4.929-30	1.109-13	6.148-31	1.596-18	4.942-03	1.608-01	8.566-03	8.605-09	2.751-05
1.4	3.431-30	6.650-14	3.048-31	1.312-18	3.936-03	1.381-01	8.678-03	6.209-09	2.787-05
1.6	2.483-30	4.041-14	1.569-31	1.090-18	3.120-03	1.165-01	8.783-03	4.473-09	2.821-05
1.8	1.874-30	2.555-14	8.356-32	9.109-19	2.455-03	9.659-02	8.881-03	3.194-09	2.853-05
2.0	1.465-30	1.631-14	4.594-32	7.630-19	1.910-03	7.852-02	8.971-03	2.240-09	2.881-05
2.2	1.257-30	1.062-14	2.614-32	6.374-19	1.460-03	6.231-02	9.054-03	1.522-09	2.908-05

T= 5600

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	8.553-03	2.00775+00	2.17063+01	2.37140+01	7.82530+01	-5.38525+00	2.00775+00
-6.8	6.822-03	2.00403+00	2.15931+01	2.35972+01	7.72161+01	-5.18605+00	2.00403+00
-6.6	5.439-03	2.00089+00	2.14996+01	2.35005+01	7.62005+01	-4.98673+00	2.00090+00
-6.4	4.337-03	1.99813+00	2.14198+01	2.34160+01	7.51999+01	-4.78733+00	1.99813+00
-6.2	3.458-03	1.99551+00	2.13478+01	2.33433+01	7.42083+01	-4.58790+00	1.99551+00
-6.0	2.759-03	1.99275+00	2.12771+01	2.32699+01	7.32193+01	-4.38850+00	1.99275+00
-5.8	2.203-03	1.98952+00	2.11999+01	2.31894+01	7.22251+01	-4.18921+00	1.98952+00
-5.6	1.763-03	1.98533+00	2.11059+01	2.30913+01	7.12158+01	-3.99013+00	1.98533+00
-5.4	1.414-03	1.97950+00	2.09811+01	2.29606+01	7.01779+01	-3.79140+00	1.97950+00
-5.2	1.140-03	1.97109+00	2.08059+01	2.27770+01	6.90930+01	-3.59325+00	1.97110+00
-5.0	9.244-04	1.95884+00	2.05567+01	2.25135+01	6.79367+01	-3.39596+00	1.95884+00
-4.8	7.571-04	1.94115+00	2.01952+01	2.21363+01	6.66789+01	-3.19990+00	1.94115+00
-4.6	6.281-04	1.91531+00	1.96926+01	2.16089+01	6.52878+01	-3.00549+00	1.91631+00
-4.4	5.299-04	1.88284+00	1.90170+01	2.08999+01	6.37371+01	-2.81315+00	1.88284+00
-4.2	4.557-04	1.84008+00	1.81555+01	1.99955+01	6.20180+01	-2.62312+00	1.84008+00
-4.0	4.000-04	1.78872+00	1.71214+01	1.89101+01	6.01480+01	-2.43542+00	1.78872+00
-3.8	3.579-04	1.73084+00	1.59569+01	1.76877+01	5.81729+01	-2.24970+00	1.73084+00
-3.6	3.252-04	1.66951+00	1.47234+01	1.63930+01	5.61564+01	-2.06537+00	1.66951+00
-3.4	2.988-04	1.60799+00	1.34871+01	1.50951+01	5.41655+01	-1.88167+00	1.60799+00
-3.2	2.762-04	1.54912+00	1.23047+01	1.38538+01	5.22563+01	-1.69787+00	1.54912+00
-3.0	2.559-04	1.49490+00	1.12167+01	1.27116+01	5.04676+01	-1.51335+00	1.49490+00
-2.8	2.369-04	1.44646+00	1.02461+01	1.16925+01	4.88198+01	-1.32765+00	1.44646+00
-2.6	2.187-04	1.40419+00	9.40083+00	1.08050+01	4.73185+01	-1.14053+00	1.40418+00
-2.4	2.011-04	1.36795+00	8.67855+00	1.00469+01	4.59581+01	-9.51890-01	1.36794+00
-2.2	1.841-04	1.33727+00	8.07010+00	9.40736+00	4.47270+01	-7.61740-01	1.33726+00
-2.0	1.678-04	1.31150+00	7.56285+00	8.87435+00	4.36100+01	-5.70190-01	1.31148+00
-1.8	1.524-04	1.28992+00	7.14292+00	8.43284+00	4.25912+01	-3.77400-01	1.28989+00
-1.6	1.378-04	1.27180+00	6.79652+00	8.06832+00	4.16551+01	-1.83540-01	1.27176+00
-1.4	1.241-04	1.25646+00	6.51068+00	7.76714+00	4.07872+01	1.14900-02	1.25657+00
-1.2	1.114-04	1.24325+00	6.27366+00	7.51691+00	3.99746+01	2.06600-01	1.24314+00
-1.0	9.961-05	1.23157+00	6.07491+00	7.30649+00	3.92061+01	4.02500-01	1.23140+00
-.8	8.875-05	1.22089+00	5.90508+00	7.12597+00	3.84716+01	5.98720-01	1.22062+00
-.6	7.872-05	1.21069+00	5.75580+00	6.96649+00	3.77624+01	7.95070-01	1.21027+00
-.4	6.948-05	1.20052+00	5.61962+00	6.82014+00	3.70710+01	9.91410-01	1.19986+00
-.2	6.094-05	1.19001+00	5.49001+00	6.68002+00	3.63910+01	1.18759+00	1.18897+00
.0	5.305-05	1.17886+00	5.36156+00	6.54044+00	3.57171+01	1.38351+00	1.17725+00
.2	4.576-05	1.16704+00	5.23032+00	6.39736+00	3.50456+01	1.57913+00	1.16468+00
.4	3.904-05	1.15464+00	5.09429+00	6.24893+00	3.43750+01	1.77449+00	1.15064+00
.6	3.289-05	1.14216+00	4.95363+00	6.09575+00	3.37055+01	1.96977+00	1.13589+00
.8	2.735-05	1.13041+00	4.81052+00	5.94093+00	3.30392+01	2.16528+00	1.12062+00
1.0	2.244-05	1.12059+00	4.68954+00	5.78912+00	3.23790+01	2.36149+00	1.10529+00
1.2	1.817-05	1.11430+00	4.53170+00	5.64602+00	3.17278+01	2.55904+00	1.09039+00
1.4	1.457-05	1.11371+00	4.40365+00	5.51747+00	3.10870+01	2.75881+00	1.07634+00
1.6	1.159-05	1.12188+00	4.28710+00	5.40898+00	3.04561+01	2.96199+00	1.06339+00
1.8	9.207-06	1.14327+00	4.18370+00	5.32697+00	2.98317+01	3.17019+00	1.05168+00
2.0	7.352-06	1.18466+00	4.09425+00	5.27891+00	2.92072+01	3.38563+00	1.04116+00
2.2	5.970-06	1.25638+00	4.01907+00	5.27545+00	2.85714+01	3.61116+00	1.03163+00

T= 5700

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.258-04	8.127-10	2.124-07	1.479-08	1.622-17	5.671-18	1.523-16	2.019-07	3.876-10
-6.8	2.006-04	1.269-09	3.391-07	2.799-08	4.815-17	1.439-17	3.861-16	2.552-07	4.909-10
-6.6	3.195-04	2.071-09	5.404-07	5.157-08	1.409-16	3.643-17	9.768-16	3.222-07	6.207-10
-6.4	5.081-04	3.300-09	8.603-07	9.373-08	4.067-16	9.207-17	2.466-15	4.061-07	7.838-10
-6.2	8.070-04	5.253-09	1.368-06	1.680-07	1.157-15	2.323-16	6.217-15	5.112-07	9.886-10
-6.0	1.280-03	8.356-09	2.172-06	2.969-07	3.244-15	5.855-16	1.564-14	6.424-07	1.246-09
-5.8	2.027-03	1.329-08	3.447-06	5.174-07	8.969-15	1.474-15	3.929-14	8.056-07	1.570-09
-5.6	3.202-03	2.112-08	5.463-06	8.899-07	2.446-14	3.704-15	9.845-14	1.007-06	1.975-09
-5.4	5.043-03	3.359-08	8.646-06	1.511-06	6.587-14	9.296-15	2.479-13	1.254-06	2.482-09
-5.2	7.906-03	5.345-08	1.366-05	2.535-06	1.752-13	2.328-14	6.112-13	1.551-06	3.115-09
-5.0	1.231-02	8.515-08	2.151-05	4.202-06	4.605-13	5.813-14	1.509-12	1.899-06	3.903-09
-4.8	1.899-02	1.359-07	3.375-05	6.862-06	1.185-12	1.446-13	3.690-12	2.293-06	4.876-09
-4.6	2.889-02	2.176-07	5.267-05	1.112-05	3.000-12	3.576-13	8.895-12	2.711-06	6.067-09
-4.4	4.312-02	3.498-07	8.156-05	1.766-05	7.705-12	8.775-13	2.104-11	3.116-06	7.508-09
-4.2	6.277-02	5.664-07	1.250-04	2.746-05	1.808-11	2.132-12	4.856-11	3.453-06	9.225-09
-4.0	8.868-02	9.159-07	1.803-04	4.147-05	4.542-11	5.115-12	1.086-10	3.661-06	1.124-08
-3.8	1.211-01	1.494-06	2.825-04	6.027-05	1.046-10	1.269-11	2.350-10	3.695-06	1.355-08
-3.6	1.594-01	2.446-06	4.148-04	8.359-05	2.298-10	2.812-11	4.900-10	3.546-06	1.617-08
-3.4	2.024-01	4.016-06	5.989-04	1.100-04	4.787-10	6.430-11	9.853-10	3.243-06	1.917-08
-3.2	2.482-01	6.597-06	8.500-04	1.371-04	9.451-10	1.445-10	1.914-09	2.838-06	2.242-08
-3.0	2.950-01	1.082-05	1.187-03	1.627-04	1.775-09	3.195-10	3.600-09	2.392-06	2.609-08
-2.8	3.408-01	1.772-05	1.632-03	1.852-04	3.197-09	6.953-10	6.583-09	1.953-06	3.017-08
-2.6	3.842-01	2.889-05	2.213-03	2.039-04	5.569-09	1.491-09	1.174-08	1.553-06	3.471-08
-2.4	4.241-01	4.691-05	2.963-03	2.190-04	9.458-09	3.157-09	2.049-08	1.209-06	3.974-08
-2.2	4.597-01	7.580-05	3.922-03	2.309-04	1.576-08	6.602-09	3.510-08	9.248-07	4.531-08
-2.0	4.910-01	1.219-04	5.139-03	2.403-04	2.589-08	1.366-08	5.918-08	6.975-07	5.144-08
-1.8	5.179-01	1.949-04	6.674-03	2.477-04	4.209-08	2.797-08	9.844-08	5.203-07	5.817-08
-1.6	5.406-01	3.059-04	8.599-03	2.535-04	6.785-08	5.676-08	1.618-07	3.847-07	6.553-08
-1.4	5.596-01	4.859-04	1.100-02	2.582-04	1.086-07	1.141-07	2.633-07	2.826-07	7.353-08
-1.2	5.752-01	7.695-04	1.398-02	2.620-04	1.729-07	2.275-07	4.245-07	2.067-07	8.216-08
-1.0	5.880-01	1.200-03	1.764-02	2.652-04	2.736-07	4.491-07	6.785-07	1.507-07	9.136-08
-.8	5.983-01	1.853-03	2.212-02	2.679-04	4.305-07	8.773-07	1.075-06	1.098-07	1.011-07
-.6	6.067-01	2.833-03	2.754-02	2.703-04	6.737-07	1.693-06	1.689-06	8.004-08	1.111-07
-.4	6.135-01	4.275-03	3.402-02	2.725-04	1.045-06	3.222-06	2.630-06	5.853-08	1.212-07
-.2	6.192-01	6.345-03	4.164-02	2.746-04	1.608-06	6.026-06	4.052-06	4.302-08	1.310-07
.0	6.241-01	9.233-03	5.042-02	2.766-04	2.448-06	1.104-05	6.171-06	3.186-08	1.401-07
.2	6.285-01	1.312-02	6.031-02	2.784-04	3.679-06	1.977-05	9.275-06	2.386-08	1.479-07
.4	6.327-01	1.813-02	7.114-02	2.800-04	5.450-06	3.445-05	1.374-05	1.810-08	1.541-07
.6	6.370-01	2.431-02	8.264-02	2.812-04	7.937-06	5.833-05	2.003-05	1.396-08	1.582-07
.8	6.415-01	3.154-02	9.444-02	2.817-04	1.135-05	9.591-05	2.871-05	1.096-08	1.600-07
1.0	6.462-01	3.960-02	1.062-01	2.812-04	1.593-05	1.534-04	4.049-05	8.785-09	1.597-07
1.2	6.509-01	4.815-02	1.174-01	2.793-04	2.193-05	2.399-04	5.619-05	7.194-09	1.577-07
1.4	6.557-01	5.683-02	1.280-01	2.756-04	2.966-05	3.693-04	7.679-05	6.032-09	1.547-07
1.6	6.604-01	6.533-02	1.375-01	2.697-04	3.946-05	5.660-04	1.035-04	5.173-09	1.516-07
1.8	6.649-01	7.336-02	1.460-01	2.610-04	5.175-05	8.777-04	1.378-04	4.616-09	1.498-07
2.0	6.692-01	8.075-02	1.532-01	2.489-04	6.708-05	1.409-03	1.812-04	4.278-09	1.509-07
2.2	6.732-01	8.727-02	1.590-01	2.329-04	8.622-05	2.423-03	2.355-04	4.205-09	1.579-07

T= 5700

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.727-24	8.682-06	4.036-10	6.173-11	8.145-03	1.517-18	2.894-03	.000+00	9.987-06
-6.8	3.482-24	1.099-05	5.974-10	1.037-10	6.484-03	9.572-19	2.306-03	.000+00	7.938-06
-6.6	7.009-24	1.389-05	8.725-10	1.813-10	5.157-03	6.035-19	1.835-03	.000+00	6.307-06
-6.4	1.409-23	1.752-05	1.257-09	1.663-10	4.098-03	3.801-19	1.460-03	.000+00	5.008-06
-6.2	2.829-23	2.208-05	1.785-09	2.104-10	3.253-03	2.392-19	1.160-03	.000+00	3.976-06
-6.0	5.680-23	2.779-05	2.500-09	2.662-10	2.581-03	1.504-19	9.217-04	.000+00	3.156-06
-5.8	1.140-22	3.492-05	3.451-09	3.359-10	2.044-03	9.435-20	7.318-04	.000+00	2.503-06
-5.6	2.291-22	4.380-05	4.698-09	4.268-10	1.617-03	5.905-20	5.805-04	.000+00	1.985-06
-5.4	4.609-22	5.479-05	6.305-09	5.415-10	1.275-03	3.682-20	4.602-04	.000+00	1.573-06
-5.2	9.298-22	6.826-05	8.344-09	6.890-10	1.002-03	2.283-20	3.643-04	.000+00	1.245-06
-5.0	1.884-21	8.455-05	1.088-08	8.806-10	7.832-04	1.403-20	2.879-04	.000+00	9.834-07
-4.8	3.843-21	1.038-04	1.394-08	1.133-09	6.067-04	8.505-21	2.269-04	.000+00	7.750-07
-4.6	7.914-21	1.260-04	1.750-08	1.472-09	4.643-04	5.060-21	1.781-04	.000+00	6.084-07
-4.4	1.651-20	1.502-04	2.142-08	1.939-09	3.494-04	2.933-21	1.391-04	.000+00	4.752-07
-4.2	3.504-20	1.753-04	2.534-08	2.596-09	2.573-04	1.644-21	1.079-04	.000+00	3.685-07
-4.0	7.578-20	1.992-04	2.872-08	3.543-09	1.845-04	8.850-22	8.290-05	.000+00	2.833-07
-3.8	1.672-19	2.197-04	3.087-08	4.934-09	1.285-04	4.558-22	6.311-05	.000+00	2.158-07
-3.6	3.756-19	2.352-04	3.121-08	6.999-09	8.684-05	2.246-22	4.756-05	.000+00	1.627-07
-3.4	8.565-19	2.445-04	2.957-08	1.008-08	5.701-05	1.062-22	3.550-05	.000+00	1.216-07
-3.2	1.972-18	2.477-04	2.631-08	1.465-08	3.647-05	4.851-23	2.628-05	.000+00	9.007-08
-3.0	4.565-18	2.453-04	2.214-08	2.143-08	2.282-05	2.153-23	1.932-05	.000+00	6.629-08
-2.8	1.058-17	2.384-04	1.781-08	3.137-08	1.401-05	9.348-24	1.412-05	.000+00	4.852-08
-2.6	2.447-17	2.280-04	1.383-08	4.588-08	8.471-06	3.990-24	1.027-05	.000+00	3.535-08
-2.4	5.639-17	2.153-04	1.047-08	6.685-08	5.058-06	1.681-24	7.436-06	.000+00	2.566-08
-2.2	1.293-16	2.010-04	7.793-09	9.699-08	2.999-06	7.015-25	5.365-06	.000+00	1.857-08
-2.0	2.946-16	1.860-04	5.728-09	1.400-07	1.752-06	2.907-25	3.858-06	.000+00	1.341-08
-1.8	6.669-16	1.709-04	4.175-09	2.010-07	1.020-06	1.199-25	2.767-06	.000+00	9.660-09
-1.6	1.500-15	1.559-04	3.027-09	2.870-07	5.913-07	4.928-26	1.979-06	.000+00	6.954-09
-1.4	3.346-15	1.416-04	2.188-09	4.073-07	3.415-07	2.024-26	1.413-06	.000+00	5.004-09
-1.2	7.404-15	1.280-04	1.580-09	5.747-07	1.968-07	8.313-27	1.006-06	.000+00	3.603-09
-1.0	1.622-14	1.152-04	1.141-09	8.053-07	1.134-07	3.423-27	7.158-07	.000+00	2.597-09
-.8	3.513-14	1.034-04	8.249-10	1.120-06	6.534-08	1.416-27	5.084-07	.000+00	1.877-09
-.6	7.500-14	9.260-05	5.984-10	1.542-06	3.775-08	5.900-28	3.606-07	.000+00	1.362-09
-.4	1.573-13	8.271-05	4.362-10	2.100-06	2.190-08	2.483-28	2.556-07	.000+00	9.937-10
-.2	3.225-13	7.372-05	3.201-10	2.820-06	1.279-08	1.060-28	1.810-07	.000+00	7.304-10
.0	6.435-13	6.562-05	2.370-10	3.722-06	7.532-09	4.607-29	1.281-07	.000+00	5.421-10
.2	1.242-12	5.836-05	1.773-10	4.810-06	4.487-09	2.048-29	9.065-08	.000+00	4.073-10
.4	2.308-12	5.190-05	1.344-10	6.066-06	2.712-09	9.362-30	6.419-08	.000+00	3.105-10
.6	4.111-12	4.619-05	1.034-10	7.449-06	1.666-09	4.417-30	4.551-08	.000+00	2.408-10
.8	7.007-12	4.119-05	8.084-11	8.879-06	1.043-09	2.157-30	3.234-08	.000+00	1.902-10
1.0	1.144-11	3.687-05	6.424-11	1.029-05	6.664-10	1.093-30	2.306-08	.000+00	1.533-10
1.2	1.795-11	3.321-05	5.191-11	1.163-05	4.351-10	5.741-31	1.654-08	.000+00	1.262-10
1.4	2.732-11	3.019-05	4.269-11	1.286-05	2.910-10	3.127-31	1.197-08	.000+00	1.062-10
1.6	4.081-11	2.784-05	3.578-11	1.404-05	1.999-10	1.763-31	8.770-09	.000+00	9.155-11
1.8	6.082-11	2.626-05	3.068-11	1.530-05	1.419-10	1.030-31	6.559-09	.000+00	8.129-11
2.0	9.263-11	2.563-05	2.709-11	1.689-05	1.052-10	.000+00	5.062-09	.000+00	7.495-11
2.2	1.492-10	2.641-05	2.497-11	1.934-05	8.289-11	.000+00	4.106-09	.000+00	7.284-11

T= 5700

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.928-19	1.161-06	1.658-16	2.475-13	7.673-01	2.055-01	4.629-03	4.783-05	1.490-05
-6.8	1.215-19	1.081-06	1.371-16	1.966-13	7.707-01	2.066-01	4.642-03	5.619-05	1.494-05
-6.6	7.649-20	9.939-05	9.995-17	1.561-13	7.733-01	2.075-01	4.653-03	6.519-05	1.497-05
-6.4	4.815-20	9.010-05	7.189-17	1.240-13	7.752-01	2.082-01	4.662-03	7.462-05	1.499-05
-6.2	3.030-20	8.071-05	5.099-17	9.840-14	7.766-01	2.088-01	4.670-03	8.426-05	1.501-05
-6.0	1.906-20	7.123-05	3.566-17	7.808-14	7.774-01	2.093-01	4.677-03	9.385-05	1.503-05
-5.8	1.197-20	6.168-05	2.458-17	6.193-14	7.776-01	2.098-01	4.685-03	1.031-04	1.506-05
-5.6	7.514-21	5.320-05	1.670-17	4.910-14	7.771-01	2.103-01	4.694-03	1.118-04	1.508-05
-5.4	4.706-21	4.503-05	1.117-17	3.890-14	7.755-01	2.109-01	4.705-03	1.197-04	1.512-05
-5.2	2.938-21	3.758-05	7.355-18	3.078-14	7.726-01	2.117-01	4.721-03	1.267-04	1.517-05
-5.0	1.825-21	3.050-05	4.756-18	2.432-14	7.677-01	2.127-01	4.743-03	1.325-04	1.524-05
-4.8	1.126-21	2.499-05	3.010-18	1.916-14	7.599-01	2.142-01	4.776-03	1.369-04	1.534-05
-4.6	6.872-22	1.980-05	1.854-18	1.505-14	7.481-01	2.163-01	4.823-03	1.395-04	1.549-05
-4.4	4.134-22	1.529-05	1.103-18	1.175-14	7.311-01	2.194-01	4.891-03	1.399-04	1.571-05
-4.2	2.440-22	1.141-05	6.266-19	9.112-15	7.073-01	2.235-01	4.984-03	1.372-04	1.601-05
-4.0	1.408-22	8.161-06	3.364-19	7.007-15	6.760-01	2.289-01	5.107-03	1.308-04	1.640-05
-3.8	7.937-23	5.537-06	1.688-19	5.336-15	6.367-01	2.357-01	5.260-03	1.200-04	1.689-05
-3.6	4.361-23	3.535-06	7.855-20	4.023-15	5.902-01	2.436-01	5.440-03	1.051-04	1.748-05
-3.4	2.347-23	2.115-06	3.385-20	3.006-15	5.380-01	2.525-01	5.643-03	8.728-05	1.813-05
-3.2	1.242-23	1.188-06	1.358-20	2.227-15	4.822-01	2.620-01	5.860-03	6.872-05	1.882-05
-3.0	6.404-24	6.317-07	5.122-21	1.639-15	4.254-01	2.715-01	6.081-03	5.151-05	1.953-05
-2.8	3.355-24	3.210-07	1.840-21	1.200-15	3.696-01	2.808-01	6.298-03	3.704-05	2.023-05
-2.6	1.726-24	1.576-07	6.378-22	8.741-16	3.168-01	2.895-01	6.505-03	2.578-05	2.089-05
-2.4	8.839-25	7.550-08	2.156-22	6.344-16	2.682-01	2.973-01	6.696-03	1.751-05	2.151-05
-2.2	4.517-25	3.555-08	7.169-23	4.591-16	2.247-01	3.040-01	6.868-03	1.169-05	2.206-05
-2.0	2.305-25	1.655-08	2.359-23	3.314-16	1.865-01	3.096-01	7.020-03	7.704-06	2.255-05
-1.8	1.176-25	7.649-09	7.721-24	2.389-16	1.536-01	3.139-01	7.154-03	5.035-06	2.298-05
-1.6	6.007-26	3.522-09	2.522-24	1.719-16	1.256-01	3.170-01	7.270-03	3.273-06	2.335-05
-1.4	3.083-26	1.619-09	8.245-25	1.237-16	1.022-01	3.188-01	7.371-03	2.120-06	2.368-05
-1.2	1.578-26	7.453-10	2.705-25	8.907-17	8.283-02	3.192-01	7.460-03	1.372-06	2.396-05
-1.0	8.131-27	3.442-10	8.932-26	6.421-17	6.687-02	3.183-01	7.539-03	8.880-07	2.422-05
-.8	4.218-27	1.598-10	2.977-26	4.640-17	5.384-02	3.157-01	7.612-03	5.760-07	2.445-05
-.6	2.207-27	7.481-11	1.005-26	3.365-17	4.325-02	3.115-01	7.681-03	3.751-07	2.467-05
-.4	1.169-27	3.542-11	3.453-27	2.454-17	3.470-02	3.052-01	7.750-03	2.456-07	2.489-05
-.2	6.281-28	1.702-11	1.213-27	1.803-17	2.782-02	2.967-01	7.823-03	1.620-07	2.513-05
.0	3.442-28	8.332-12	4.386-28	1.337-17	2.228-02	2.856-01	7.900-03	1.080-07	2.538-05
.2	1.932-28	4.174-12	1.641-28	1.003-17	1.785-02	2.718-01	7.986-03	7.277-08	2.565-05
.4	1.115-28	2.148-12	6.397-29	7.625-18	1.430-02	2.551-01	8.080-03	4.969-08	2.595-05
.6	6.656-29	1.139-12	2.610-29	5.889-18	1.146-02	2.359-01	8.184-03	3.441-08	2.629-05
.8	4.110-29	6.228-13	1.118-29	4.624-18	9.176-03	2.145-01	8.294-03	2.415-08	2.664-05
1.0	2.646-29	3.515-13	5.031-30	3.690-18	7.344-03	1.917-01	8.410-03	1.715-08	2.701-05
1.2	1.768-29	2.044-13	2.375-30	2.990-18	5.868-03	1.684-01	8.526-03	1.229-08	2.739-05
1.4	1.229-29	1.222-13	1.173-30	2.456-18	4.675-03	1.453-01	8.640-03	8.851-09	2.775-05
1.6	8.899-30	7.486-14	6.036-31	2.039-18	3.707-03	1.232-01	8.749-03	6.372-09	2.810-05
1.8	6.734-30	4.691-14	3.224-31	1.705-18	2.918-03	1.026-01	8.851-03	4.553-09	2.843-05
2.0	5.369-30	3.002-14	1.785-31	1.431-18	2.271-03	8.373-02	8.946-03	3.199-09	2.873-05
2.2	4.588-30	1.967-14	1.029-31	1.199-18	1.737-03	6.667-02	9.032-03	2.181-09	2.901-05

T= 5700

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.117-02	2.01318+00	2.15576+01	2.35707+01	7.84872+01	-5.37639+00	2.01318+00
-6.8	8.917-03	2.00844+00	2.14144+01	2.34228+01	7.74180+01	-5.17741+00	2.00844+00
-6.6	7.112-03	2.00456+00	2.12980+01	2.33026+01	7.63777+01	-4.97826+00	2.00455+00
-6.4	5.671-03	2.00125+00	2.12016+01	2.32029+01	7.53589+01	-4.77897+00	2.00125+00
-6.2	4.521-03	1.99833+00	2.11190+01	2.31173+01	7.43554+01	-4.57950+00	1.99833+00
-6.0	3.605-03	1.99554+00	2.10440+01	2.30395+01	7.33607+01	-4.38021+00	1.99554+00
-5.8	2.876-03	1.99257+00	2.09696+01	2.29622+01	7.23681+01	-4.18086+00	1.99257+00
-5.6	2.297-03	1.98906+00	2.08877+01	2.28767+01	7.13693+01	-3.98162+00	1.98906+00
-5.4	1.838-03	1.98447+00	2.07870+01	2.27715+01	7.03536+01	-3.78263+00	1.98447+00
-5.2	1.475-03	1.97807+00	2.06526+01	2.26307+01	6.93068+01	-3.58403+00	1.97807+00
-5.0	1.189-03	1.96884+00	2.04639+01	2.24328+01	6.82091+01	-3.38606+00	1.96884+00
-4.8	9.655-04	1.95542+00	2.01939+01	2.21493+01	6.70353+01	-3.18903+00	1.95542+00
-4.6	7.916-04	1.93618+00	1.98097+01	2.17459+01	6.57548+01	-2.99332+00	1.93618+00
-4.4	6.577-04	1.90941+00	1.92775+01	2.11869+01	6.43368+01	-2.79937+00	1.90941+00
-4.2	5.557-04	1.87376+00	1.85706+01	2.04444+01	6.27584+01	-2.60756+00	1.87376+00
-4.0	4.788-04	1.82885+00	1.76815+01	1.95103+01	6.10164+01	-2.41809+00	1.82885+00
-3.8	4.209-04	1.77571+00	1.66302+01	1.84059+01	5.91349+01	-2.23090+00	1.77571+00
-3.6	3.769-04	1.71671+00	1.54637+01	1.71804+01	5.71641+01	-2.04557+00	1.71671+00
-3.4	3.426-04	1.65502+00	1.42448+01	1.58999+01	5.51688+01	-1.86147+00	1.65502+00
-3.2	3.146-04	1.59387+00	1.30373+01	1.46312+01	5.32133+01	-1.67782+00	1.59387+00
-3.0	2.906-04	1.53590+00	1.18937+01	1.34296+01	5.13492+01	-1.49391+00	1.53590+00
-2.8	2.689-04	1.48292+00	1.08495+01	1.23325+01	4.96102+01	-1.30915+00	1.48291+00
-2.6	2.485-04	1.43585+00	9.92367+00	1.13595+01	4.80125+01	-1.12318+00	1.43585+00
-2.4	2.291-04	1.39495+00	9.12124+00	1.05162+01	4.65585+01	-9.35710-01	1.39494+00
-2.2	2.103-04	1.35999+00	8.43793+00	9.79791+00	4.52411+01	-7.46740-01	1.35997+00
-2.0	1.923-04	1.33042+00	7.86367+00	9.19409+00	4.40475+01	-5.56280-01	1.33040+00
-1.8	1.750-04	1.30558+00	7.38559+00	8.69117+00	4.29627+01	-3.64470-01	1.30555+00
-1.6	1.587-04	1.28472+00	6.98990+00	8.27463+00	4.19707+01	-1.71460-01	1.28468+00
-1.4	1.433-04	1.26713+00	6.66314+00	7.93028+00	4.10565+01	2.25500-02	1.26706+00
-1.2	1.289-04	1.25212+00	6.39275+00	7.64487+00	4.02061+01	2.17370-01	1.25201+00
-1.0	1.155-04	1.23904+00	6.16735+00	7.40639+00	3.94071+01	4.12810-01	1.23887+00
-.8	1.031-04	1.22730+00	5.97678+00	7.20408+00	3.86487+01	6.08680-01	1.22703+00
-.6	9.165-05	1.21637+00	5.81196+00	7.02833+00	3.79212+01	8.04790-01	1.21595+00
-.4	8.106-05	1.20575+00	5.66482+00	6.87057+00	3.72164+01	1.00099+00	1.20509+00
-.2	7.127-05	1.19503+00	5.52826+00	6.72328+00	3.65270+01	1.19711+00	1.19399+00
.0	6.221-05	1.18388+00	5.39623+00	6.58011+00	3.58472+01	1.39304+00	1.18225+00
.2	5.382-05	1.17216+00	5.26406+00	6.43622+00	3.51726+01	1.58871+00	1.16959+00
.4	4.607-05	1.15993+00	5.12886+00	6.28879+00	3.45004+01	1.78416+00	1.15592+00
.6	3.896-05	1.14759+00	4.98981+00	6.13741+00	3.38300+01	1.97952+00	1.14131+00
.8	3.251-05	1.13589+00	4.84819+00	5.98408+00	3.31626+01	2.17506+00	1.12607+00
1.0	2.677-05	1.12597+00	4.70691+00	5.83288+00	3.25007+01	2.37125+00	1.11063+00
1.2	2.176-05	1.11943+00	4.56969+00	5.68912+00	3.18466+01	2.56872+00	1.09546+00
1.4	1.750-05	1.11847+00	4.44015+00	5.55862+00	3.12021+01	2.76835+00	1.08100+00
1.6	1.397-05	1.12417+00	4.32123+00	5.44746+00	3.05667+01	2.97133+00	1.06756+00
1.8	1.112-05	1.14704+00	4.21489+00	5.36193+00	2.99376+01	3.17931+00	1.05533+00
2.0	8.898-06	1.18789+00	4.12220+00	5.31009+00	2.93082+01	3.39450+00	1.04422+00
2.2	7.241-06	1.25906+00	4.04372+00	5.30278+00	2.86677+01	3.61976+00	1.03414+00

T= 5000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	8.657-05	6.787-10	1.679-07	9.002-09	8.176-18	6.048-18	1.015-16	1.960-07	3.911-10
-6.8	1.416-04	1.087-09	2.686-07	1.697-08	2.451-17	1.030-17	2.580-16	2.483-07	4.963-10
-6.6	2.258-04	1.737-09	4.288-07	3.157-08	7.249-17	2.614-17	6.543-16	3.139-07	6.286-10
-6.4	3.597-04	2.771-09	6.835-07	5.796-08	2.114-16	6.620-17	1.656-15	3.963-07	7.950-10
-6.2	5.721-04	4.415-09	1.088-06	1.049-07	6.074-16	1.673-16	4.181-15	4.996-07	1.004-09
-6.0	9.085-04	7.028-09	1.730-06	1.871-07	1.720-15	4.223-16	1.054-14	6.290-07	1.267-09
-5.8	1.441-03	1.118-08	2.748-06	3.293-07	4.803-15	1.064-15	2.651-14	7.904-07	1.597-09
-5.6	2.280-03	1.778-08	4.360-06	5.716-07	1.323-14	2.678-15	6.658-14	9.909-07	2.017-09
-5.4	3.601-03	2.827-08	6.908-06	9.792-07	3.593-14	6.730-15	1.667-13	1.238-06	2.532-09
-5.2	5.666-03	4.497-08	1.093-05	1.667-06	9.640-14	1.688-14	4.180-13	1.540-06	3.183-09
-5.0	8.872-03	7.157-08	1.725-05	2.770-06	2.559-13	4.226-14	1.033-12	1.902-06	3.996-09
-4.8	1.379-02	1.141-07	2.716-05	4.577-06	6.694-13	1.054-13	2.544-12	2.326-06	5.007-09
-4.6	2.120-02	1.822-07	4.256-05	7.473-06	1.732-12	2.619-13	6.201-12	2.796-06	6.257-09
-4.4	3.211-02	2.920-07	6.629-05	1.203-05	4.421-12	6.467-13	1.489-11	3.290-06	7.789-09
-4.2	4.764-02	4.697-07	1.024-04	1.905-05	1.109-11	1.583-12	3.600-11	3.757-06	9.644-09
-4.0	6.886-02	7.593-07	1.566-04	2.948-05	2.721-11	3.835-12	8.016-11	4.129-06	1.185-08
-3.8	9.646-02	1.234-06	2.362-04	4.429-05	6.473-11	9.165-12	1.779-10	4.337-06	1.444-08
-3.6	1.305-01	2.014-06	3.510-04	6.393-05	1.480-10	2.156-11	3.811-10	4.334-06	1.743-08
-3.4	1.701-01	3.301-06	5.131-04	8.796-05	3.226-10	4.996-11	7.872-10	4.118-06	2.081-08
-3.2	2.140-01	5.420-06	7.374-04	1.147-04	6.662-10	1.137-10	1.568-09	3.731-06	2.460-08
-3.0	2.603-01	8.900-06	1.042-03	1.418-04	1.304-09	2.544-10	3.019-09	3.239-06	2.894-08
-2.8	3.070-01	1.459-05	1.449-03	1.671-04	2.431-09	5.599-10	5.636-09	2.710-06	3.355-08
-2.6	3.523-01	2.386-05	1.965-03	1.890-04	4.351-09	1.213-09	1.023-08	2.200-06	3.879-08
-2.4	3.948-01	3.884-05	2.681-03	2.071-04	7.540-09	2.592-09	1.814-08	1.741-06	4.459-08
-2.2	4.336-01	6.296-05	3.577-03	2.217-04	1.275-08	5.465-09	3.148-08	1.369-06	5.101-08
-2.0	4.682-01	1.015-04	4.720-03	2.331-04	2.118-08	1.139-08	5.367-08	1.029-06	5.809-08
-1.8	4.983-01	1.628-04	6.167-03	2.421-04	3.471-08	2.347-08	9.011-08	7.742-07	6.598-08
-1.6	5.240-01	2.597-04	7.987-03	2.492-04	5.628-08	4.789-08	1.493-07	5.766-07	7.439-08
-1.4	5.457-01	4.117-04	1.026-02	2.548-04	9.051-08	9.680-08	2.445-07	4.258-07	8.366-08
-1.2	5.637-01	6.486-04	1.309-02	2.594-04	1.446-07	1.938-07	3.965-07	3.127-07	9.368-08
-1.0	5.785-01	1.014-03	1.658-02	2.631-04	2.295-07	3.843-07	6.368-07	2.288-07	1.044-07
-.8	5.906-01	1.572-03	2.086-02	2.662-04	3.622-07	7.541-07	1.014-06	1.670-07	1.158-07
-.6	6.004-01	2.413-03	2.606-02	2.689-04	5.679-07	1.463-06	1.599-06	1.219-07	1.276-07
-.4	6.084-01	3.658-03	3.230-02	2.713-04	8.841-07	2.798-06	2.500-06	8.921-08	1.397-07
-.2	6.149-01	5.461-03	3.967-02	2.736-04	1.365-06	5.267-06	3.868-06	6.555-08	1.516-07
.0	6.204-01	8.002-03	4.823-02	2.757-04	2.086-06	9.726-06	5.917-06	4.850-08	1.629-07
.2	6.252-01	1.146-02	5.796-02	2.777-04	3.151-06	1.756-05	8.936-06	3.624-08	1.730-07
.4	6.297-01	1.600-02	6.870-02	2.794-04	4.694-06	3.091-05	1.331-05	2.743-08	1.814-07
.6	6.341-01	2.168-02	8.024-02	2.809-04	6.879-06	5.290-05	1.951-05	2.109-08	1.876-07
.8	6.385-01	2.844-02	9.222-02	2.817-04	9.907-06	8.797-05	2.813-05	1.651-08	1.914-07
1.0	6.432-01	3.612-02	1.043-01	2.817-04	1.400-05	1.423-04	3.989-05	1.320-08	1.927-07
1.2	6.479-01	4.441-02	1.160-01	2.804-04	1.963-05	2.250-04	5.566-05	1.078-08	1.920-07
1.4	6.527-01	5.297-02	1.270-01	2.775-04	2.648-05	3.499-04	7.645-05	9.027-09	1.900-07
1.6	6.574-01	6.146-02	1.372-01	2.724-04	3.550-05	5.414-04	1.035-04	7.766-09	1.878-07
1.8	6.620-01	6.960-02	1.462-01	2.647-04	4.693-05	8.464-04	1.383-04	6.905-09	1.871-07
2.0	6.666-01	7.716-02	1.540-01	2.537-04	6.135-05	1.369-03	1.826-04	6.407-09	1.901-07
2.2	6.706-01	8.393-02	1.604-01	2.388-04	7.953-05	2.367-03	2.381-04	6.314-09	2.006-07

T= 5000

LOG D	E2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.183-24	7.907-06	3.135-10	9.785-11	1.060-02	3.595-18	3.662-03	.000+00	1.370-05
-6.8	4.421-24	9.517-06	4.683-10	1.743-10	8.407-03	2.270-18	2.922-03	.000+00	1.089-05
-6.6	8.914-24	1.204-05	6.905-10	1.577-10	6.757-03	1.433-18	2.328-03	.000+00	8.650-06
-6.4	1.794-23	1.522-05	1.005-09	1.998-10	5.375-03	9.034-19	1.853-03	.000+00	6.881-06
-6.2	3.606-23	1.921-05	1.441-09	2.529-10	4.272-03	5.692-19	1.474-03	.000+00	5.466-06
-6.0	7.243-23	2.420-05	2.039-09	3.201-10	3.392-03	3.582-19	1.172-03	.000+00	4.340-06
-5.8	1.454-22	3.046-05	2.843-09	4.050-10	2.691-03	2.252-19	9.312-04	.000+00	3.445-06
-5.6	2.920-22	3.828-05	3.909-09	5.126-10	2.132-03	1.413-19	7.394-04	.000+00	2.733-06
-5.4	5.866-22	4.801-05	5.300-09	6.494-10	1.686-03	8.844-20	5.867-04	.000+00	2.168-06
-5.2	1.181-21	6.003-05	7.087-09	8.242-10	1.329-03	5.513-20	4.652-04	.000+00	1.718-06
-5.0	2.383-21	7.475-05	9.346-09	1.049-09	1.044-03	3.415-20	3.684-04	.000+00	1.360-06
-4.8	4.831-21	9.249-05	1.214-08	1.342-09	8.168-04	2.096-20	2.912-04	.000+00	1.075-06
-4.6	9.864-21	1.134-04	1.551-08	1.728-09	6.303-04	1.269-20	2.296-04	.000+00	8.474-07
-4.4	2.034-20	1.373-04	1.940-08	2.249-09	4.813-04	7.528-21	1.803-04	.000+00	6.656-07
-4.2	4.253-20	1.632-04	2.364-08	2.967-09	3.611-04	4.347-21	1.409-04	.000+00	5.201-07
-4.0	9.043-20	1.897-04	2.783-08	3.982-09	2.649-04	2.425-21	1.093-04	.000+00	4.036-07
-3.8	1.960-19	2.146-04	3.134-08	5.447-09	1.892-04	1.299-21	8.405-05	.000+00	3.105-07
-3.6	4.332-19	2.356-04	3.343-08	7.601-09	1.311-04	6.654-22	6.401-05	.000+00	2.366-07
-3.4	9.746-19	2.510-04	3.351-08	1.080-08	8.818-05	3.262-22	4.825-05	.000+00	1.785-07
-3.2	2.223-18	2.598-04	3.147-08	1.555-08	5.763-05	1.536-22	3.503-05	.000+00	1.334-07
-3.0	5.116-18	2.620-04	2.778-08	2.261-08	3.672-05	6.988-23	2.608-05	.000+00	9.886-08
-2.8	1.183-17	2.586-04	2.322-08	3.302-08	2.289-05	3.093-23	1.961-05	.000+00	7.277-08
-2.6	2.736-17	2.509-04	1.857-08	4.828-08	1.402-05	1.340-23	1.433-05	.000+00	5.327-08
-2.4	6.315-17	2.389-04	1.437-08	7.046-08	8.434-06	5.711-24	1.042-05	.000+00	3.881-08
-2.2	1.451-16	2.250-04	1.085-08	1.025-07	5.037-06	2.404-24	7.541-06	.000+00	2.817-08
-2.0	3.318-16	2.096-04	8.063-09	1.483-07	2.972-06	1.003-24	5.438-06	.000+00	2.039-08
-1.8	7.537-16	1.936-04	5.920-09	2.136-07	1.740-06	4.157-25	3.909-06	.000+00	1.473-08
-1.6	1.701-15	1.776-04	4.314-09	3.059-07	1.013-06	1.716-25	2.802-06	.000+00	1.062-08
-1.4	3.809-15	1.618-04	3.129-09	4.356-07	5.870-07	7.066-26	2.003-06	.000+00	7.650-09
-1.2	8.458-15	1.468-04	2.264-09	6.183-07	3.392-07	2.908-26	1.429-06	.000+00	5.512-09
-1.0	1.861-14	1.325-04	1.637-09	8.663-07	1.957-07	1.199-26	1.018-06	.000+00	3.976-09
-.8	4.048-14	1.192-04	1.185-09	1.208-06	1.129-07	4.962-27	7.239-07	.000+00	2.873-09
-.6	8.686-14	1.070-04	8.595-10	1.671-06	6.527-08	2.066-27	5.141-07	.000+00	2.084-09
-.4	1.833-13	9.571-05	6.262-10	2.285-06	3.766-08	8.685-28	3.648-07	.000+00	1.519-09
-.2	3.788-13	8.547-05	4.590-10	3.083-06	2.208-08	3.698-28	2.586-07	.000+00	1.115-09
.0	7.630-13	7.622-05	3.393-10	4.094-06	1.299-08	1.602-28	1.833-07	.000+00	8.256-10
.2	1.490-12	6.791-0	2.534-10	5.328-06	7.720-09	7.090-29	1.299-07	.000+00	6.186-10
.4	2.804-12	6.051-05	1.917-10	6.774-06	4.652-09	3.224-29	9.215-08	.000+00	4.702-10
.6	5.067-12	5.398-05	1.471-10	8.389-06	2.849-09	1.512-29	6.547-08	.000+00	3.634-10
.8	8.766-12	4.826-05	1.148-10	1.010-05	1.778-09	7.347-30	4.664-08	.000+00	2.862-10
1.0	1.452-11	4.332-05	9.111-11	1.182-05	1.133-09	3.704-30	3.335-08	.000+00	2.300-10
1.2	2.313-11	3.914-05	7.362-11	1.347-05	7.377-10	1.940-30	2.400-08	.000+00	1.889-10
1.4	3.568-11	3.570-05	6.062-11	1.502-05	4.924-10	1.055-30	1.742-08	.000+00	1.587-10
1.6	5.392-11	3.304-05	5.094-11	1.652-05	3.378-10	5.949-31	1.281-08	.000+00	1.368-10
1.8	8.121-11	3.126-05	4.385-11	1.812-05	2.396-10	3.483-31	9.613-09	.000+00	1.216-10
2.0	1.248-10	3.062-05	3.895-11	2.012-05	1.775-10	2.122-31	7.444-09	.000+00	1.122-10
2.2	2.026-10	3.167-05	3.619-11	2.315-05	1.399-10	1.359-31	6.058-09	.000+00	1.094-10

T= 9800

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	5.524-19	1.209-04	3.600-16	4.162-13	7.623-01	2.040-01	4.610-03	4.250-05	1.485-05
-6.8	3.481-19	1.135-04	2.679-16	3.308-13	7.667-01	2.054-01	4.627-03	5.035-05	1.490-05
-6.6	2.194-19	1.053-04	1.970-16	2.629-13	7.701-01	2.065-01	4.640-03	5.896-05	1.493-05
-6.4	1.382-19	9.644-05	1.430-16	2.088-13	7.728-01	2.074-01	4.652-03	6.810-05	1.496-05
-6.2	8.700-20	8.714-05	1.024-16	1.658-13	7.748-01	2.081-01	4.661-03	7.763-05	1.499-05
-6.0	5.476-20	7.766-05	7.237-17	1.316-13	7.762-01	2.088-01	4.669-03	8.728-05	1.501-05
-5.8	3.444-20	6.825-05	5.040-17	1.044-13	7.770-01	2.093-01	4.677-03	9.680-05	1.503-05
-5.6	2.165-20	5.915-05	3.480-17	8.286-14	7.771-01	2.098-01	4.685-03	1.059-04	1.506-05
-5.4	1.359-20	5.057-05	2.341-17	6.571-14	7.764-01	2.104-01	4.695-03	1.144-04	1.509-05
-5.2	8.512-21	4.265-05	1.561-17	5.207-14	7.747-01	2.110-01	4.708-03	1.221-04	1.513-05
-5.0	5.315-21	3.547-05	1.024-17	4.121-14	7.713-01	2.118-01	4.725-03	1.287-04	1.518-05
-4.8	3.303-21	2.907-05	6.598-18	3.257-14	7.658-01	2.130-01	4.750-03	1.342-04	1.526-05
-4.6	2.037-21	2.343-05	4.160-18	2.568-14	7.572-01	2.146-01	4.786-03	1.382-04	1.538-05
-4.4	1.244-21	1.849-05	2.552-18	2.017-14	7.442-01	2.170-01	4.838-03	1.404-04	1.554-05
-4.2	7.479-22	1.422-05	1.510-18	1.576-14	7.255-01	2.203-01	4.912-03	1.403-04	1.578-05
-4.0	4.414-22	1.056-05	8.533-19	1.223-14	6.999-01	2.247-01	5.013-03	1.371-04	1.610-05
-3.8	2.547-22	7.507-06	4.569-19	9.407-15	6.665-01	2.305-01	5.143-03	1.299-04	1.652-05
-3.6	1.434-22	5.055-06	2.263-19	7.168-15	6.252-01	2.376-01	5.304-03	1.184-04	1.704-05
-3.4	7.886-23	3.199-06	1.044-19	5.407-15	5.771-01	2.458-01	5.491-03	1.028-04	1.764-05
-3.2	4.246-23	1.898-06	4.462-20	4.041-15	5.237-01	2.548-01	5.699-03	8.470-05	1.830-05
-3.0	2.247-23	1.058-06	1.776-20	2.995-15	4.675-01	2.643-01	5.917-03	6.615-05	1.901-05
-2.8	1.175-23	5.587-07	6.660-21	2.205-15	4.107-01	2.738-01	6.139-03	4.923-05	1.972-05
-2.6	6.084-24	2.825-07	2.373-21	1.614-15	3.556-01	2.830-01	6.354-03	3.520-05	2.041-05
-2.4	3.132-24	1.382-07	8.239-22	1.176-15	3.038-01	2.913-01	6.557-03	2.439-05	2.106-05
-2.2	1.606-24	6.606-08	2.782-22	8.536-16	2.564-01	2.988-01	6.744-03	1.652-05	2.166-05
-2.0	8.220-25	3.107-08	9.251-23	6.178-16	2.143-01	3.051-01	6.911-03	1.100-05	2.220-05
-1.8	4.202-25	1.446-08	3.048-23	4.461-16	1.775-01	3.102-01	7.060-03	7.243-06	2.268-05
-1.6	2.149-25	6.690-09	9.999-24	3.217-16	1.459-01	3.140-01	7.189-03	4.732-06	2.309-05
-1.4	1.100-25	3.085-09	3.277-24	2.318-16	1.192-01	3.165-01	7.302-03	3.076-06	2.346-05
-1.2	5.647-26	1.422-09	1.076-24	1.670-16	9.686-02	3.177-01	7.401-03	1.995-06	2.377-05
-1.0	2.910-26	6.570-10	3.552-25	1.204-16	7.840-02	3.174-01	7.489-03	1.293-06	2.405-05
-.8	1.509-26	3.049-10	1.182-25	8.702-17	6.325-02	3.156-01	7.568-03	8.389-07	2.431-05
-.6	7.884-27	1.425-10	3.982-26	6.309-17	5.090-02	3.121-01	7.643-03	5.460-07	2.455-05
-.4	4.165-27	6.728-11	1.363-26	4.596-17	4.089-02	3.066-01	7.715-03	3.571-07	2.478-05
-.2	2.232-27	3.221-11	4.763-27	3.371-17	3.280-02	2.989-01	7.789-03	2.351-07	2.502-05
.0	1.218-27	1.569-11	1.710-27	2.494-17	2.629-02	2.888-01	7.867-03	1.562-07	2.527-05
.2	6.803-28	7.812-12	6.345-28	1.866-17	2.107-02	2.759-01	7.951-03	1.049-07	2.554-05
.4	3.907-28	3.991-12	2.450-28	1.415-17	1.688-02	2.602-01	8.044-03	7.134-08	2.584-05
.6	2.318-28	2.100-12	9.893-29	1.089-17	1.352-02	2.419-01	8.146-03	4.917-08	2.616-05
.8	1.426-28	1.140-12	4.196-29	8.524-18	1.083-02	2.212-01	8.255-03	3.436-08	2.652-05
1.0	9.121-29	6.389-13	1.872-29	6.784-18	8.670-03	1.989-01	8.370-03	2.430-08	2.689-05
1.2	6.074-29	3.695-13	8.778-30	5.486-18	6.928-03	1.756-01	8.487-03	1.736-08	2.726-05
1.4	4.216-29	2.200-13	4.317-30	4.500-18	5.520-03	1.523-01	8.603-03	1.247-08	2.763-05
1.6	3.054-29	1.345-13	2.219-30	3.735-18	4.378-03	1.298-01	8.715-03	8.968-09	2.799-05
1.8	2.318-29	8.431-14	1.188-30	3.125-18	3.447-03	1.086-01	8.820-03	6.409-09	2.833-05
2.0	1.859-29	5.411-14	6.625-31	2.626-18	2.684-03	8.896-02	8.918-03	4.510-09	2.864-05
2.2	1.604-29	3.564-14	3.864-31	2.207-18	2.054-03	7.108-02	9.009-03	3.085-09	2.894-05

T= 9800

LOG D	E-	Z	E/RT	N/RT	S/R	LOG P	Z+
-7.0	1.445-02	2.01996+00	2.14557+01	2.34737+01	7.87595+01	-5.36738+00	2.01996+00
-6.8	1.154-02	2.01390+00	2.12747+01	2.32886+01	7.76458+01	-5.16868+00	2.01390+00
-6.6	9.212-03	2.00899+00	2.11289+01	2.31379+01	7.65777+01	-4.96974+00	2.00899+00
-6.4	7.348-03	2.00494+00	2.10101+01	2.30150+01	7.55347+01	-4.77062+00	2.00494+00
-6.2	5.859-03	2.00150+00	2.09114+01	2.29129+01	7.45135+01	-4.57136+00	2.00150+00
-6.0	4.671-03	1.99842+00	2.08263+01	2.28247+01	7.35074+01	-4.37203+00	1.99843+00
-5.8	3.725-03	1.99545+00	2.07483+01	2.27438+01	7.25098+01	-4.17268+00	1.99545+00
-5.6	2.972-03	1.99225+00	2.06701+01	2.26624+01	7.15133+01	-3.97327+00	1.99225+00
-5.4	2.374-03	1.98841+00	2.05827+01	2.25711+01	7.05093+01	-3.77421+00	1.98841+00
-5.2	1.900-03	1.98334+00	2.04742+01	2.24576+01	6.94863+01	-3.57532+00	1.98334+00
-5.0	1.526-03	1.97625+00	2.03284+01	2.23046+01	6.84286+01	-3.37688+00	1.97625+00
-4.8	1.231-03	1.96602+00	2.01233+01	2.20893+01	6.73156+01	-3.17913+00	1.96602+00
-4.6	1.000-03	1.95122+00	1.98306+01	2.17814+01	6.61208+01	-2.98241+00	1.95122+00
-4.4	8.214-04	1.93014+00	1.94173+01	2.13474+01	6.48134+01	-2.78713+00	1.93015+00
-4.2	6.837-04	1.90113+00	1.88506+01	2.07517+01	6.33642+01	-2.59371+00	1.90113+00
-4.0	5.790-04	1.86304+00	1.81081+01	1.99712+01	6.17546+01	-2.40250+00	1.86304+00
-3.8	5.000-04	1.81581+00	1.71890+01	1.90048+01	5.99881+01	-2.21365+00	1.81581+00
-3.6	4.404-04	1.76085+00	1.61203+01	1.78812+01	5.80956+01	-2.02700+00	1.76085+00
-3.4	3.950-04	1.70080+00	1.49535+01	1.66543+01	5.61315+01	-1.84206+00	1.70080+00
-3.2	3.592-04	1.63893+00	1.37520+01	1.53909+01	5.41610+01	-1.65816+00	1.63893+00
-3.0	3.299-04	1.57835+00	1.25764+01	1.41548+01	5.22447+01	-1.47452+00	1.57835+00
-2.8	3.044-04	1.52150+00	1.14745+01	1.29960+01	5.04291+01	-1.29045+00	1.52150+00
-2.6	2.813-04	1.46994+00	1.04766+01	1.19465+01	4.87627+01	-1.10542+00	1.46994+00
-2.4	2.597-04	1.42442+00	9.59733+00	1.10218+01	4.71972+01	-9.19080-01	1.42441+00
-2.2	2.389-04	1.38503+00	8.83902+00	1.02241+01	4.57922+01	-7.31260-01	1.38502+00
-2.0	2.190-04	1.35144+00	8.19556+00	9.54700+00	4.45189+01	-5.41920-01	1.35142+00
-1.8	1.999-04	1.32306+00	7.65608+00	8.97914+00	4.33637+01	-3.51140-01	1.32303+00
-1.6	1.817-04	1.29920+00	7.20747+00	8.50667+00	4.23115+01	-1.59040-01	1.29915+00
-1.4	1.645-04	1.27909+00	6.83614+00	8.11523+00	4.13466+01	3.41800-02	1.27902+00
-1.2	1.483-04	1.26203+00	6.52894+00	7.79098+00	4.04544+01	2.28350-01	1.26192+00
-1.0	1.332-04	1.24733+00	6.27376+00	7.52109+00	3.96215+01	4.23260-01	1.24716+00
-.8	1.192-04	1.23435+00	6.05962+00	7.29397+00	3.88360+01	6.18720-01	1.23408+00
-.6	1.061-04	1.22250+00	5.87672+00	7.09922+00	3.80874+01	8.14530-01	1.22208+00
-.4	9.406-05	1.21127+00	5.71631+00	6.92759+00	3.73666+01	1.01052+00	1.21061+00
-.2	8.289-05	1.20020+00	5.57069+00	6.77089+00	3.66658+01	1.20654+00	1.19915+00
.0	7.254-05	1.18892+00	5.43322+00	6.62214+00	3.59782+01	1.40243+00	1.18728+00
.2	6.293-05	1.17722+00	5.29854+00	6.47575+00	3.52987+01	1.59814+00	1.17465+00
.4	5.405-05	1.16511+00	5.16292+00	6.32803+00	3.46237+01	1.79365+00	1.16108+00
.6	4.587-05	1.15289+00	5.02464+00	6.17753+00	3.39517+01	1.98907+00	1.14659+00
.8	3.842-05	1.14124+00	4.88408+00	6.02532+00	3.32829+01	2.18466+00	1.13139+00
1.0	3.175-05	1.13125+00	4.74342+00	5.87666+00	3.26191+01	2.38084+00	1.11596+00
1.2	2.590-05	1.12450+00	4.60593+00	5.73043+00	3.19624+01	2.57824+00	1.10046+00
1.4	2.089-05	1.12320+00	4.47515+00	5.59836+00	3.13144+01	2.77774+00	1.08564+00
1.6	1.672-05	1.13047+00	4.35413+00	5.48660+00	3.06748+01	2.98054+00	1.07174+00
1.8	1.335-05	1.15086+00	4.24507+00	5.39592+00	3.00411+01	3.18830+00	1.05895+00
2.0	1.071-05	1.19118+00	4.14931+00	5.34050+00	2.94070+01	3.40326+00	1.04733+00
2.2	8.733-06	1.26181+00	4.06765+00	5.32946+00	2.87620+01	3.62828+00	1.03671+00

T= 5900

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.265-05	5.683-10	1.333-07	5.463-09	4.186-18	2.911-18	6.820-17	.899-07	3.933-10
-6.8	1.007-04	9.125-10	2.139-07	1.039-08	1.268-17	7.436-18	1.742-16	2.410-07	5.003-10
-6.6	1.610-04	1.461-09	3.423-07	1.991-08	3.706-17	1.893-17	4.431-16	3.056-07	6.350-10
-6.4	2.569-04	2.335-09	5.466-07	3.816-08	1.115-16	4.804-17	1.124-15	3.862-07	8.043-10
-6.2	4.092-04	3.726-09	8.713-07	6.607-08	3.237-16	1.217-16	2.843-15	4.877-07	1.017-09
-6.0	6.509-04	5.938-09	1.387-06	1.190-07	9.262-16	3.075-16	7.181-15	6.149-07	1.285-09
-5.8	1.034-03	9.453-09	2.206-06	2.115-07	2.611-15	7.760-16	1.810-14	7.740-07	1.622-09
-5.6	1.639-03	1.504-08	3.503-06	3.706-07	7.257-15	1.956-15	4.553-14	9.724-07	2.045-09
-5.4	2.593-03	2.392-08	5.557-06	6.402-07	1.990-14	4.921-15	1.143-13	1.219-06	2.576-09
-5.2	4.091-03	3.806-08	8.802-06	1.092-06	5.383-14	1.236-14	2.860-13	1.522-06	3.242-09
-5.0	6.431-03	6.052-08	1.392-05	1.841-06	1.439-13	3.100-14	7.127-13	1.891-06	4.076-09
-4.8	1.005-02	9.637-08	2.196-05	3.057-06	3.800-13	7.754-14	1.766-12	2.330-06	5.119-09
-4.6	1.598-02	1.537-07	3.453-05	5.051-06	9.922-13	1.933-13	4.361-12	2.839-06	6.416-09
-4.4	2.387-02	2.457-07	5.464-05	8.219-06	2.559-12	4.796-13	1.054-11	3.401-06	8.020-09
-4.2	3.597-02	3.941-07	8.600-05	1.319-05	6.508-12	1.181-12	2.517-11	3.975-06	9.987-09
-4.0	5.300-02	6.348-07	1.294-04	2.079-05	1.625-11	2.884-12	5.877-11	4.508-06	1.237-08
-3.8	7.597-02	1.028-06	1.971-04	3.202-05	3.967-11	6.950-12	1.335-10	4.907-06	1.521-08
-3.6	1.056-01	1.672-06	2.982-04	4.776-05	9.374-11	1.657-11	2.936-10	5.089-06	1.853-08
-3.4	1.411-01	2.733-06	4.382-04	6.837-05	2.126-10	3.852-11	6.221-10	5.030-06	2.235-08
-3.2	1.821-01	4.481-06	6.375-04	9.315-05	4.550-10	8.943-11	1.272-09	4.734-06	2.668-08
-3.0	2.269-01	7.338-06	9.117-04	1.203-04	9.374-10	2.025-10	2.508-09	4.245-06	3.154-08
-2.8	2.735-01	1.208-05	1.282-03	1.473-04	1.817-09	4.508-10	4.785-09	3.652-06	3.695-08
-2.6	3.199-01	1.978-05	1.775-03	1.720-04	3.358-09	9.874-10	8.856-09	3.033-06	4.297-08
-2.4	3.646-01	3.229-05	2.421-03	1.933-04	5.957-09	2.130-09	1.596-08	2.446-06	4.963-08
-2.2	4.061-01	5.248-05	3.258-03	2.107-04	1.028-08	4.530-09	2.811-08	1.925-06	5.700-08
-2.0	4.437-01	8.488-05	4.330-03	2.246-04	1.731-08	9.513-09	4.851-08	1.486-06	6.514-08
-1.8	4.770-01	1.366-04	5.695-03	2.355-04	2.865-08	1.974-08	8.228-08	1.130-06	7.408-08
-1.6	5.058-01	2.184-04	7.417-03	2.441-04	4.680-08	4.052-08	1.375-07	8.479-07	8.388-08
-1.4	5.304-01	3.473-04	9.577-03	2.509-04	7.568-08	8.234-08	2.269-07	6.303-07	9.457-08
-1.2	5.509-01	5.487-04	1.227-02	2.562-04	1.214-07	1.657-07	3.701-07	4.652-07	1.061-07
-1.0	5.680-01	8.606-04	1.560-02	2.606-04	1.934-07	3.300-07	5.976-07	3.416-07	1.186-07
-.8	5.819-01	1.339-03	1.969-02	2.642-04	3.061-07	6.505-07	9.559-07	2.501-07	1.318-07
-.6	5.933-01	2.062-03	2.468-02	2.673-04	4.813-07	1.268-06	1.515-06	1.829-07	1.457-07
-.4	6.025-01	3.139-03	3.069-02	2.700-04	7.516-07	2.437-06	2.377-06	1.340-07	1.599-07
-.2	6.101-01	4.711-03	3.782-02	2.725-04	1.164-06	4.615-06	3.694-06	9.845-08	1.742-07
.0	6.163-01	6.946-03	4.616-02	2.747-04	1.786-06	8.581-06	5.675-06	7.279-08	1.879-07
.2	6.216-01	1.003-02	5.570-02	2.769-04	2.709-06	1.562-05	8.611-06	5.431-08	2.007-07
.4	6.264-01	1.412-02	6.634-02	2.788-04	4.056-06	2.774-05	1.289-05	4.102-08	2.117-07
.6	6.310-01	1.932-02	7.788-02	2.805-04	5.979-06	4.796-05	1.899-05	3.146-08	2.205-07
.8	6.355-01	2.583-02	9.000-02	2.818-04	8.666-06	8.064-05	2.754-05	2.456-08	2.266-07
1.0	6.402-01	3.390-02	1.023-01	2.820-04	1.234-05	1.319-04	3.927-05	1.958-08	2.301-07
1.2	6.449-01	4.090-02	1.144-01	2.813-04	1.724-05	2.108-04	5.509-05	1.596-08	2.312-07
1.4	6.497-01	4.928-02	1.260-01	2.790-04	2.367-05	3.312-04	7.605-05	1.334-08	2.308-07
1.6	6.544-01	5.772-02	1.367-01	2.747-04	3.198-05	5.172-04	1.035-04	1.147-08	2.302-07
1.8	6.591-01	6.592-02	1.463-01	2.679-04	4.260-05	8.153-04	1.388-04	1.019-08	2.312-07
2.0	6.635-01	7.363-02	1.547-01	2.580-04	5.613-05	1.328-03	1.839-04	9.471-09	2.369-07
2.2	6.679-01	8.061-02	1.616-01	2.441-04	7.337-05	2.311-03	2.405-04	9.357-09	2.522-07

T= 5900

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.940-24	6.504-06	2.441-10	1.162-10	1.378-02	1.011-17	4.592-03	.000+00	1.857-05
-6.8	5.554-24	8.266-06	3.678-10	1.479-10	1.100-02	6.395-18	3.668-03	.000+00	1.478-05
-6.6	1.122-23	1.048-05	5.473-10	1.879-10	8.765-03	4.040-18	2.927-03	.000+00	1.176-05
-6.4	2.263-23	1.327-05	8.030-10	2.383-10	6.979-03	2.550-18	2.337-03	.000+00	9.350-06
-6.2	4.555-23	1.676-05	1.164-09	3.020-10	5.552-03	1.609-18	1.857-03	.000+00	7.430-06
-6.0	9.157-23	2.116-05	1.663-09	3.824-10	4.413-03	1.013-18	1.477-03	.000+00	5.903-06
-5.8	1.839-22	2.667-05	2.342-09	4.839-10	3.504-03	6.378-19	1.175-03	.000+00	4.687-06
-5.6	3.693-22	3.356-05	3.251-09	6.123-10	2.780-03	4.009-19	9.334-04	.000+00	3.721-06
-5.4	7.415-22	4.217-05	4.450-09	7.751-10	2.202-03	2.516-19	7.413-04	.000+00	2.953-06
-5.2	1.490-21	5.287-05	6.008-09	9.822-10	1.741-03	1.574-19	5.883-04	.000+00	2.343-06
-5.0	3.000-21	6.608-05	8.004-09	1.247-09	1.372-03	9.806-20	4.665-04	.000+00	1.857-06
-4.8	6.056-21	8.221-05	1.052-08	1.588-09	1.077-03	6.069-20	3.695-04	.000+00	1.470-06
-4.6	1.229-20	1.016-04	1.361-08	2.033-09	9.392-04	3.719-20	2.921-04	.000+00	1.162-06
-4.4	2.514-20	1.243-04	1.732-08	2.623-09	6.479-04	2.245-20	2.304-04	.000+00	9.166-07
-4.2	5.194-20	1.500-04	2.157-08	3.420-09	4.934-04	1.328-20	1.810-04	.000+00	7.202-07
-4.0	1.088-19	1.777-04	2.615-08	4.522-09	3.688-04	7.631-21	1.415-04	.000+00	5.630-07
-3.8	2.320-19	2.056-04	3.059-08	6.085-09	2.693-04	4.233-21	1.098-04	.000+00	4.370-07
-3.6	5.043-19	2.314-04	3.417-08	8.347-09	1.913-04	2.252-21	8.444-05	.000+00	3.363-07
-3.4	1.117-18	2.526-04	3.610-08	1.167-08	1.318-04	1.146-21	6.431-05	.000+00	2.563-07
-3.2	2.517-18	2.675-04	3.581-08	1.661-08	8.818-05	5.582-22	4.848-05	.000+00	1.933-07
-3.0	5.744-18	2.754-04	3.328-08	2.394-08	5.734-05	2.614-22	3.619-05	.000+00	1.445-07
-2.8	1.321-17	2.765-04	2.909-08	3.479-08	3.637-05	1.184-22	2.679-05	.000+00	1.071-07
-2.6	3.051-17	2.717-04	2.412-08	5.077-08	2.259-05	5.225-23	1.969-05	.000+00	7.883-08
-2.4	7.044-17	2.622-04	1.918-08	7.412-08	1.378-05	2.258-23	1.438-05	.000+00	5.769-08
-2.2	1.622-16	2.494-04	1.477-08	1.080-07	8.291-06	9.608-24	1.045-05	.000+00	4.203-08
-2.0	3.717-16	2.342-04	1.112-08	1.567-07	4.930-06	4.041-24	7.558-06	.000+00	3.051-08
-1.8	8.471-16	2.177-04	8.248-09	2.262-07	2.905-06	1.685-24	5.447-06	.000+00	2.209-08
-1.6	1.918-15	2.007-04	6.051-09	3.249-07	1.699-06	6.989-25	3.914-06	.000+00	1.596-08
-1.4	4.309-15	1.838-04	4.409-09	4.640-07	9.885-07	2.888-25	2.804-06	.000+00	1.151-08
-1.2	9.605-15	1.672-04	3.200-09	6.586-07	5.729-07	1.192-25	2.004-06	.000+00	8.306-09
-1.0	2.121-14	1.515-04	2.318-09	9.285-07	3.313-07	4.922-26	1.429-06	.000+00	4.994-09
-.8	4.634-14	1.367-04	1.679-09	1.299-06	1.914-07	2.039-26	1.018-06	.000+00	4.334-09
-.6	9.993-14	1.229-04	1.219-09	1.803-06	1.107-07	8.489-27	7.237-07	.000+00	3.142-09
-.4	2.121-13	1.102-04	8.878-10	2.475-06	6.424-08	3.565-27	5.140-07	.000+00	2.288-09
-.2	4.415-13	9.856-05	6.503-10	3.356-06	3.745-08	1.515-27	3.649-07	.000+00	1.677-09
.0	8.969-13	8.805-05	4.800-10	4.480-06	2.200-08	6.542-28	2.589-07	.000+00	1.240-09
.2	1.769-12	7.860-05	3.578-10	5.869-06	1.305-08	2.885-28	1.838-07	.000+00	9.271-10
.4	3.371-12	7.017-05	2.701-10	7.519-06	7.844-09	1.306-28	1.306-07	.000+00	7.027-10
.6	6.173-12	6.272-05	2.069-10	9.390-06	4.790-09	6.093-29	9.294-08	.000+00	5.415-10
.8	1.083-11	5.671-05	1.611-10	1.141-05	2.980-09	2.944-29	6.636-08	.000+00	4.251-10
1.0	1.822-11	5.060-05	1.277-10	1.347-05	1.893-09	1.478-29	4.758-08	.000+00	3.407-10
1.2	2.943-11	4.584-05	1.032-10	1.549-05	1.230-09	7.711-30	3.433-08	.000+00	2.792-10
1.4	4.600-11	4.195-05	8.501-11	1.742-05	8.193-10	4.185-30	2.500-08	.000+00	2.343-10
1.6	7.037-11	3.895-05	7.159-11	1.931-05	5.613-10	2.361-30	1.845-08	.000+00	2.018-10
1.8	1.071-10	3.699-05	6.185-11	2.131-05	3.978-10	1.386-30	1.389-08	.000+00	1.794-10
2.0	1.662-10	3.636-05	5.525-11	2.381-05	2.947-10	8.492-31	1.080-08	.000+00	1.659-10
2.2	2.721-10	3.775-05	5.174-11	2.755-05	2.322-10	5.490-31	8.814-09	.000+00	1.621-10

T= 5900

LOG C	A+	C+	C++	NE+	N	O	A	C	NE
-7.0	1.527-18	1.250-04	6.787-16	6.876-13	7.560-01	2.023-01	4.586-03	3.768-05	1.479-05
-6.8	9.627-19	1.183-04	5.089-16	5.468-13	7.617-01	2.040-01	4.607-03	4.501-05	1.485-05
-6.6	6.069-19	1.107-04	3.773-16	4.347-13	7.661-01	2.053-01	4.625-03	5.314-05	1.489-05
-6.4	3.825-19	1.023-04	2.763-16	3.454-13	7.697-01	2.065-01	4.639-03	6.195-05	1.493-05
-6.2	2.409-19	9.325-05	1.997-16	2.744-13	7.724-01	2.074-01	4.650-03	7.126-05	1.496-05
-6.0	1.517-19	8.388-05	1.425-16	2.179-13	7.745-01	2.081-01	4.660-03	8.087-05	1.499-05
-5.8	9.552-20	7.442-05	1.002-16	1.730-13	7.759-01	2.086-01	4.669-03	9.051-05	1.501-05
-5.6	6.010-20	6.511-05	6.946-17	1.373-13	7.766-01	2.089-01	4.677-03	9.992-05	1.504-05
-5.4	3.778-20	5.618-05	4.748-17	1.089-13	7.766-01	2.089-01	4.686-03	1.089-04	1.506-05
-5.2	2.372-20	4.783-05	3.199-17	8.641-14	7.757-01	2.105-01	4.697-03	1.171-04	1.509-05
-5.0	1.436-20	4.018-05	2.124-17	6.846-14	7.736-01	2.112-01	4.711-03	1.245-04	1.514-05
-4.8	9.280-21	3.330-05	1.388-17	5.422-14	7.698-01	2.121-01	4.730-03	1.308-04	1.520-05
-4.6	5.767-21	2.719-05	8.911-18	4.286-14	7.636-01	2.134-01	4.758-03	1.359-04	1.529-05
-4.4	3.557-21	2.183-05	5.594-18	3.386-14	7.539-01	2.152-01	4.798-03	1.395-04	1.542-05
-4.2	2.170-21	1.716-05	3.414-18	2.656-14	7.395-01	2.178-01	4.856-03	1.412-04	1.560-05
-4.0	1.304-21	1.312-05	2.008-18	2.076-14	7.190-01	2.214-01	4.938-03	1.405-04	1.586-05
-3.8	7.691-22	9.687-06	1.176-18	1.611-14	6.912-01	2.262-01	5.046-03	1.366-04	1.621-05
-3.6	4.434-22	6.831-06	5.949-19	1.240-14	6.556-01	2.323-01	5.186-03	1.286-04	1.666-05
-3.4	2.494-22	4.556-06	2.929-19	9.449-15	6.123-01	2.397-01	5.354-03	1.162-04	1.720-05
-3.2	1.371-22	2.856-06	1.336-19	7.120-15	5.624-01	2.482-01	5.548-03	1.000-04	1.782-05
-3.0	7.376-23	1.675-06	5.649-20	5.327-15	5.081-01	2.574-01	5.760-03	8.154-05	1.850-05
-2.8	3.905-23	9.251-07	2.228-20	3.948-15	4.514-01	2.669-01	5.980-03	6.308-05	1.921-05
-2.6	2.042-23	4.848-07	8.295-21	2.906-15	3.949-01	2.763-01	6.201-03	4.657-05	1.992-05
-2.4	1.058-23	2.437-07	2.953-21	2.127-15	3.406-01	2.852-01	6.414-03	3.308-05	2.060-05
-2.2	5.454-24	1.188-07	1.018-21	1.550-15	2.899-01	2.932-01	6.613-03	2.281-05	2.124-05
-2.0	2.800-24	5.663-08	3.433-22	1.125-15	2.440-01	3.003-01	6.795-03	1.540-05	2.182-05
-1.8	1.435-24	2.661-08	1.142-22	8.143-16	2.034-01	3.061-01	6.957-03	1.023-05	2.235-05
-1.6	7.350-25	1.238-08	3.768-23	5.883-16	1.680-01	3.107-01	7.101-03	6.729-06	2.281-05
-1.4	3.768-25	5.734-09	1.239-23	4.245-16	1.379-01	3.139-01	7.227-03	4.395-06	2.321-05
-1.2	1.935-25	2.650-09	4.078-24	3.062-16	1.125-01	3.158-01	7.337-03	2.859-06	2.357-05
-1.0	9.974-26	1.226-09	1.347-24	2.209-16	9.131-02	3.162-01	7.434-03	1.856-06	2.388-05
-.8	5.168-26	5.687-10	4.481-25	1.597-16	7.384-02	3.151-01	7.521-03	1.205-06	2.416-05
-.6	2.698-26	2.656-10	1.506-25	1.158-16	5.954-02	3.123-01	7.601-03	7.845-07	2.442-05
-.4	1.423-26	1.251-10	5.138-26	8.427-17	4.789-02	3.076-01	7.678-03	5.126-07	2.466-05
-.2	7.603-27	5.970-11	1.788-26	6.173-17	3.846-02	3.007-01	7.754-03	3.370-07	2.491-05
.0	4.136-27	2.896-11	6.379-27	4.559-17	3.095-02	2.914-01	7.833-03	2.233-07	2.515-05
.2	2.300-27	1.434-11	2.350-27	3.403-17	2.473-02	2.795-01	7.917-03	1.495-07	2.543-05
.4	1.314-27	7.277-12	8.991-28	2.573-17	1.982-02	2.648-01	8.009-03	1.013-07	2.573-05
.6	7.755-28	3.801-12	3.597-28	1.975-17	1.588-02	2.473-01	8.109-03	6.953-08	2.605-05
.8	4.746-28	2.048-12	1.511-28	1.541-17	1.272-02	2.274-01	8.218-03	4.837-08	2.639-05
1.0	3.021-28	1.140-12	6.682-29	1.223-17	1.018-02	2.055-01	8.332-03	3.407-08	2.676-05
1.2	2.005-28	6.557-13	3.112-29	9.868-18	8.136-03	1.825-01	8.449-03	2.425-08	2.714-05
1.4	1.389-29	3.885-13	1.524-29	8.083-18	6.484-03	1.592-01	8.567-03	1.738-08	2.752-05
1.6	1.007-28	2.372-13	7.820-30	6.704-18	5.143-03	1.363-01	8.681-03	1.248-08	2.788-05
1.8	7.662-29	1.486-13	4.196-30	5.613-18	4.051-03	1.145-01	8.789-03	8.916-09	2.823-05
2.0	6.179-29	9.556-14	2.354-30	4.724-18	3.155-03	9.419-02	8.891-03	6.281-09	2.856-05
2.2	5.385-29	6.325-14	1.389-30	3.982-18	2.416-03	7.554-02	8.987-03	4.308-09	2.886-05

T= 5900

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.852-02	2.02838+00	2.14072+01	2.34355+01	7.90776+01	-5.35815+00	2.02838+00
-6.8	1.481-02	2.02065+00	2.11794+01	2.32001+01	7.73177+01	-5.15980+00	2.02066+00
-6.6	1.182-02	2.01443+00	2.09967+01	2.30111+01	7.58059+01	-4.96114+00	2.01443+00
-6.4	9.437-03	2.00938+00	2.08492+01	2.28586+01	7.57319+01	-4.76223+00	2.00938+00
-6.2	7.527-03	2.00519+00	2.07289+01	2.27341+01	7.46872+01	-4.56314+00	2.00520+00
-6.0	6.002-03	2.00162+00	2.06284+01	2.26300+01	7.36642+01	-4.36391+00	2.00162+00
-5.8	4.786-03	1.99840+00	2.05411+01	2.25395+01	7.26559+01	-4.16461+00	1.99840+00
-5.6	3.817-03	1.99523+00	2.04602+01	2.24554+01	7.16554+01	-3.96530+00	1.99523+00
-5.4	3.046-03	1.99176+00	2.03778+01	2.23696+01	7.06549+01	-3.76606+00	1.99176+00
-5.2	2.433-03	1.98754+00	2.02842+01	2.22717+01	6.96450+01	-3.56698+00	1.98754+00
-5.0	1.948-03	1.98191+00	2.01665+01	2.21484+01	6.86132+01	-3.36821+00	1.98191+00
-4.8	1.565-03	1.97399+00	2.00071+01	2.19811+01	6.75428+01	-3.16995+00	1.97399+00
-4.6	1.264-03	1.96258+00	1.97426+01	2.17452+01	6.64117+01	-2.97247+00	1.96258+00
-4.4	1.029-03	1.94614+00	1.94634+01	2.14095+01	6.51923+01	-2.77612+00	1.94614+00
-4.2	8.463-04	1.92294+00	1.90143+01	2.09393+01	6.38541+01	-2.58133+00	1.92294+00
-4.0	7.062-04	1.89141+00	1.84109+01	2.03023+01	6.23700+01	-2.38851+00	1.89141+00
-3.8	5.998-04	1.85066+00	1.76300+01	1.94806+01	6.07271+01	-2.19797+00	1.85066+00
-3.6	5.194-04	1.80101+00	1.66801+01	1.84811+01	5.89361+01	-2.00978+00	1.80101+00
-3.4	4.586-04	1.74428+00	1.55954+01	1.73397+01	5.70349+01	-1.82368+00	1.74428+00
-3.2	4.120-04	1.68335+00	1.44314+01	1.61148+01	5.50816+01	-1.63912+00	1.68335+00
-3.0	3.751-04	1.62151+00	1.32510+01	1.48725+01	5.31402+01	-1.45537+00	1.62151+00
-2.8	3.444-04	1.56174+00	1.21109+01	1.36726+01	5.12673+01	-1.27169+00	1.56173+00
-2.6	3.176-04	1.50622+00	1.10533+01	1.25595+01	4.95036+01	-1.08741+00	1.50621+00
-2.4	2.931-04	1.45627+00	1.01036+01	1.15599+01	4.78719+01	-9.02050-01	1.45626+00
-2.2	2.701-04	1.41242+00	9.27222+00	1.06846+01	4.63803+01	-7.15330-01	1.41241+00
-2.0	2.482-04	1.37464+00	8.55864+00	9.93328+00	4.50252+01	-5.27110-01	1.37462+00
-1.8	2.271-04	1.34249+00	7.95523+00	9.29771+00	4.37963+01	-3.37380-01	1.34246+00
-1.6	2.070-04	1.31534+00	7.45041+00	8.76574+00	4.26797+01	-1.46260-01	1.31529+00
-1.4	1.878-04	1.29246+00	7.03097+00	8.32343+00	4.16600+01	4.61200-02	1.29239+00
-1.2	1.698-04	1.27310+00	6.68835+00	7.95664+00	4.07219+01	2.39570-01	1.27299+00
-1.0	1.528-04	1.25654+00	6.39536+00	7.65191+00	3.98514+01	4.33880-01	1.25637+00
-.8	1.370-04	1.24211+00	6.15474+00	7.39685+00	3.90355+01	6.28860-01	1.24183+00
-.6	1.222-04	1.22917+00	5.95113+00	7.18029+00	3.82629+01	8.24320-01	1.22874+00
-.4	1.086-04	1.21716+00	5.77509+00	6.99225+00	3.75236+01	1.02005+00	1.21649+00
-.2	9.588-05	1.20559+00	5.61830+00	6.82389+00	3.68090+01	1.21590+00	1.20454+00
.0	8.411-05	1.19405+00	5.47350+00	6.66775+00	3.61117+01	1.41173+00	1.19240+00
.2	7.318-05	1.18227+00	5.33467+00	6.51694+00	3.54257+01	1.60742+00	1.17969+0
.4	6.304-05	1.17020+00	5.19736+00	6.36756+00	3.47467+01	1.80297+00	1.16616+00
.6	5.368-05	1.15807+00	5.05895+00	6.21702+00	3.40722+01	1.99844+00	1.15175+00
.8	4.513-05	1.14664+00	4.91894+00	6.06540+00	3.34016+01	2.19407+00	1.13659+00
1.0	3.743-05	1.13643+00	4.77872+00	5.91515+00	3.27358+01	2.39025+00	1.12100+00
1.2	3.064-05	1.12951+00	4.64105+00	5.77057+00	3.20765+01	2.58760+00	1.10541+00
1.4	2.480-05	1.12799+00	4.50924+00	5.63716+00	3.14252+01	2.78699+00	1.09027+00
1.6	1.990-05	1.13480+00	4.38636+00	5.52116+00	3.07817+01	2.98962+00	1.07594+00
1.8	1.593-05	1.15472+00	4.27681+00	5.42953+00	3.01436+01	3.19718+00	1.06266+00
2.0	1.281-05	1.19454+00	4.17618+00	5.37072+00	2.95050+01	3.41190+00	1.05050+00
2.2	1.048-05	1.26463+00	4.09147+00	5.35610+00	2.88555+01	3.63667+00	1.03934+00

T= 6000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.499-05	4.773-10	1.064-07	3.349-09	2.175-18	2.108-18	4.633-17	1.938-07	3.949-10
-6.8	7.233-05	7.690-10	1.712-07	6.427-09	6.854-18	5.407-18	1.087-16	2.360-07	5.038-10
-6.6	1.159-04	1.235-09	2.747-07	1.218-08	2.007-17	1.381-17	3.030-16	2.971-07	6.409-10
-6.4	1.854-04	1.977-09	4.396-07	2.277-08	5.971-17	3.515-17	7.707-16	3.765-07	8.134-10
-6.2	2.956-04	3.160-09	7.040-07	4.200-08	1.751-16	8.923-17	1.955-15	4.762-07	1.030-09
-6.0	4.712-04	5.042-09	1.119-06	7.640-08	5.058-16	2.260-16	4.946-15	6.013-07	1.303-09
-5.8	7.494-04	8.035-09	1.782-06	1.370-07	1.440-15	5.712-16	1.249-14	7.581-07	1.646-09
-5.6	1.190-03	1.279-08	2.833-06	2.421-07	4.060-15	1.441-15	3.147-14	9.542-07	2.078-09
-5.4	1.886-03	2.035-08	4.496-06	4.221-07	1.117-14	3.631-15	7.915-14	1.199-06	2.620-09
-5.2	2.982-03	3.238-08	7.134-06	7.262-07	3.050-14	9.137-15	1.985-13	1.501-06	3.301-09
-5.0	4.701-03	5.150-08	1.130-05	1.234-06	8.216-14	2.295-14	4.964-13	1.873-06	4.156-09
-4.8	7.360-03	8.156-08	1.786-05	2.071-06	2.187-13	5.751-14	1.236-12	2.323-06	5.226-09
-4.6	1.151-02	1.308-07	2.815-05	3.436-06	5.756-13	1.437-13	3.055-12	2.857-06	6.564-09
-4.4	1.779-02	2.084-07	4.420-05	5.642-06	1.497-12	3.579-13	7.484-12	3.448-06	8.279-09
-4.2	2.713-02	3.304-07	6.905-05	9.149-06	3.868-12	8.858-13	1.809-11	4.133-06	1.029-08
-4.0	4.062-02	5.305-07	1.071-04	1.462-05	9.747-12	2.177-12	4.293-11	4.800-06	1.281-08
-3.8	5.939-02	8.630-07	1.644-04	2.294-05	2.423-11	5.298-12	9.946-11	5.389-06	1.587-08
-3.6	8.432-02	1.401-06	2.495-04	3.511-05	5.876-11	1.273-11	2.237-10	5.822-06	1.952-08
-3.4	1.157-01	2.262-06	3.731-04	5.195-05	1.377-10	3.017-11	4.864-10	5.954-06	2.378-08
-3.2	1.532-01	3.734-06	5.491-04	7.363-05	3.091-10	7.031-11	1.020-09	5.809-06	2.867-08
-3.0	1.956-01	6.125-06	7.946-04	9.919-05	6.594-10	1.611-10	2.061-09	5.393-06	3.421-08
-2.8	2.411-01	1.006-05	1.130-03	1.266-04	1.332-09	3.628-10	4.022-09	4.783-06	4.040-08
-2.6	2.878-01	1.649-05	1.582-03	1.533-04	2.553-09	8.033-10	7.598-09	4.076-06	4.730-08
-2.4	3.339-01	2.698-05	2.179-03	1.774-04	4.673-09	1.750-09	1.394-08	3.357-06	5.494-08
-2.2	3.777-01	4.396-05	2.958-03	1.979-04	8.240-09	3.757-09	2.493-08	2.689-06	6.340-08
-2.0	4.181-01	7.131-05	3.964-03	2.145-04	1.411-08	7.953-09	4.360-08	2.105-06	7.273-08
-1.8	4.544-01	1.151-04	5.249-03	2.277-04	2.364-08	1.662-08	7.479-08	1.618-06	8.299-08
-1.6	4.862-01	1.846-04	6.878-03	2.381-04	3.897-08	3.434-08	1.262-07	1.226-06	9.424-08
-1.4	5.139-01	2.944-04	8.927-03	2.462-04	6.344-08	7.018-08	2.099-07	9.178-07	1.065-07
-1.2	5.369-01	4.664-04	1.149-02	2.526-04	1.023-07	1.419-07	3.447-07	6.813-07	1.199-07
-1.0	5.563-01	7.336-04	1.467-02	2.578-04	1.636-07	2.840-07	5.599-07	5.025-07	1.342-07
-.8	5.723-01	1.145-03	1.858-02	2.620-04	2.598-07	5.625-07	8.998-07	3.692-07	1.495-07
-.6	5.854-01	1.770-03	2.337-02	2.655-04	4.098-07	1.101-06	1.432-06	2.706-07	1.657-07
-.4	5.961-01	2.705-03	2.915-02	2.685-04	6.417-07	2.128-06	2.258-06	1.985-07	1.824-07
-.2	6.047-01	4.079-03	3.605-02	2.712-04	9.971-07	4.052-06	3.522-06	1.459-07	1.993-07
.0	6.118-01	6.069-03	4.416-02	2.737-04	1.535-06	7.522-06	5.435-06	1.079-07	2.160-07
.2	6.176-01	8.792-03	5.350-02	2.760-04	2.338-06	1.390-05	8.284-06	8.041-08	2.317-07
.4	6.231-01	1.248-02	6.401-02	2.781-04	3.517-06	2.490-05	1.246-05	6.062-08	2.458-07
.6	6.279-01	1.724-02	7.550-02	2.799-04	5.213-06	4.347-05	1.845-05	4.638-08	2.577-07
.8	6.326-01	2.309-02	8.770-02	2.814-04	7.601-06	7.384-05	2.690-05	3.612-08	2.668-07
1.0	6.372-01	2.997-02	1.002-01	2.821-04	1.089-05	1.221-04	3.857-05	2.871-08	2.730-07
1.2	6.420-01	3.764-02	1.127-01	2.819-04	1.533-05	1.972-04	5.439-05	2.335-08	2.766-07
1.4	6.468-01	4.582-02	1.247-01	2.802-04	2.120-05	3.129-04	7.546-05	1.949-08	2.784-07
1.6	6.516-01	5.418-02	1.360-01	2.767-04	2.885-05	4.932-04	1.031-04	1.673-08	2.800-07
1.8	6.562-01	6.241-02	1.461-01	2.707-04	3.871-05	7.639-04	1.389-04	1.488-08	2.837-07
2.0	6.608-01	7.023-02	1.551-01	2.618-04	5.138-05	1.206-03	1.847-04	1.384-08	2.932-07
2.2	6.652-01	7.741-02	1.626-01	2.490-04	6.771-05	2.252-03	2.423-04	1.371-08	3.149-07

T= 6000

LOG D	O2+	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.394-24	5.641-06	1.905-10	1.368-10	1.763-02	2.745-17	5.704-03	.000+00	2.491-05
-6.8	6.904-24	7.189-06	2.894-10	1.746-10	1.410-02	1.738-17	4.565-03	.000+00	1.985-05
-6.6	1.399-23	9.137-06	4.344-10	2.223-10	1.125-02	1.099-17	3.647-03	.000+00	1.580-05
-6.4	2.828-23	1.159-05	6.438-10	2.824-10	8.972-03	6.944-18	2.910-03	.000+00	1.257-05
-6.2	5.703-23	1.467-05	9.413-10	3.582-10	7.145-03	4.384-18	2.319-03	.000+00	9.993-06
-6.0	1.148-22	1.854-05	1.357-09	4.539-10	5.685-03	2.765-18	1.847-03	.000+00	7.942-06
-5.8	2.307-22	2.339-05	1.929-09	5.747-10	4.519-03	1.742-18	1.469-03	.000+00	6.310-06
-5.6	4.635-22	2.948-05	2.703-09	7.273-10	3.588-03	1.097-18	1.168-03	.000+00	5.012-06
-5.4	9.306-22	3.711-05	3.735-09	9.204-10	2.846-03	6.895-19	9.286-04	.000+00	3.980-06
-5.2	1.869-21	4.661-05	5.089-09	1.165-09	2.254-03	4.326-19	7.375-04	.000+00	3.159-06
-5.0	3.757-21	5.842-05	6.842-09	1.477-09	1.781-03	2.705-19	5.854-04	.000+00	2.506-06
-4.8	7.567-21	7.296-05	9.077-09	1.876-09	1.403-03	1.684-19	4.643-04	.000+00	1.987-06
-4.6	1.529-20	9.068-05	1.188-08	2.392-09	1.100-03	1.041-19	3.678-04	.000+00	1.574-06
-4.4	3.107-20	1.119-04	1.531-08	3.066-09	8.559-04	6.364-20	2.909-04	.000+00	1.244-06
-4.2	6.363-20	1.366-04	1.940-08	3.961-09	6.591-04	3.831-20	2.295-04	.000+00	9.816-07
-4.0	1.318-19	1.642-04	2.405-08	5.176-09	5.002-04	2.255-20	1.804-04	.000+00	7.716-07
-3.8	2.769-19	1.937-04	2.898-08	6.864-09	3.773-04	1.289-20	1.410-04	.000+00	6.033-07
-3.6	5.922-19	2.228-04	3.363-08	9.266-09	2.704-04	7.101-21	1.094-04	.000+00	4.684-07
-3.4	1.291-18	2.492-04	3.721-08	1.275-08	1.908-04	3.749-21	8.415-05	.000+00	3.604-07
-3.2	2.867-18	2.702-04	3.896-08	1.788-08	1.307-04	1.893-21	6.407-05	.000+00	2.746-07
-3.0	6.471-18	2.844-04	3.808-08	2.549-08	8.687-05	9.155-22	4.828-05	.000+00	2.071-07
-2.8	1.477-17	2.911-04	3.496-08	3.676-08	5.617-05	4.261-22	3.602-05	.000+00	1.547-07
-2.6	3.397-17	2.907-04	3.023-08	5.341-08	3.545-05	1.921-22	2.665-05	.000+00	1.147-07
-2.4	7.831-17	2.844-04	2.484-08	7.785-08	2.192-05	8.443-23	1.957-05	.000+00	8.437-08
-2.2	1.804-16	2.734-04	1.962-08	1.134-07	1.333-05	3.639-23	1.428-05	.000+00	6.174-08
-2.0	4.143-16	2.591-04	1.504-08	1.649-07	7.998-06	1.546-23	1.037-05	.000+00	4.497-08
-1.8	9.465-16	2.427-04	1.129-08	2.387-07	4.746-06	6.496-24	7.499-06	.000+00	3.265-08
-1.6	2.149-15	2.251-04	8.355-09	3.438-07	2.792-06	2.709-24	5.402-06	.000+00	2.364-08
-1.4	4.846-15	2.071-04	6.124-09	4.923-07	1.631-06	1.125-24	3.878-06	.000+00	1.709-08
-1.2	1.084-14	1.892-04	4.462-09	7.008-07	9.489-07	4.655-25	2.777-06	.000+00	1.234-08
-1.0	2.403-14	1.720-04	3.241-09	9.910-07	5.502-07	1.927-25	1.984-06	.000+00	8.916-09
-.8	5.270-14	1.556-04	2.352-09	1.391-06	3.185-07	7.990-26	1.415-06	.000+00	6.449-09
-.6	1.142-13	1.402-04	1.709-09	1.936-06	1.845-07	3.329-26	1.007-06	.000+00	4.676-09
-.4	2.437-13	1.260-04	1.245-09	2.669-06	1.071-07	1.397-26	7.163-07	.000+00	3.404-09
-.2	5.104-13	1.129-04	9.112-10	3.634-06	6.241-08	5.929-27	5.090-07	.000+00	2.493-09
.0	1.045-12	1.011-04	6.719-10	4.876-06	3.662-08	2.554-27	3.616-07	.000+00	1.840-09
.2	2.061-12	9.040-05	5.001-10	6.427-06	2.169-08	1.123-27	2.570-07	.000+00	1.373-09
.4	4.010-12	8.085-05	3.768-10	8.293-06	1.301-08	5.059-28	1.829-07	.000+00	1.038-09
.6	7.437-12	7.242-05	2.880-10	1.044-05	7.923-09	2.350-28	1.304-07	.000+00	7.974-10
.8	1.323-11	6.505-05	2.239-10	1.279-05	4.916-09	1.130-28	9.330-08	.000+00	6.242-10
1.0	2.253-11	5.869-05	1.772-10	1.524-05	3.113-09	5.645-29	6.706-08	.000+00	4.989-10
1.2	3.697-11	5.333-05	1.431-10	1.768-05	2.017-09	2.936-29	4.853-08	.000+00	4.079-10
1.4	5.856-11	4.895-05	1.179-10	2.005-05	1.341-09	1.590-29	3.544-08	.000+00	3.418-10
1.6	9.066-11	4.560-05	9.950-11	2.238-05	9.176-10	8.974-30	2.624-08	.000+00	2.942-10
1.8	1.395-10	4.345-05	8.625-11	2.488-05	6.498-10	5.280-30	1.983-08	.000+00	2.616-10
2.0	2.186-10	4.287-05	7.744-11	2.796-05	4.811-10	3.253-30	1.546-08	.000+00	2.422-10
2.2	3.610-10	4.469-05	7.306-11	3.254-05	3.793-10	2.124-30	1.267-08	.000+00	2.374-10

T= 6000

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	4.079-18	1.285-04	1.247-15	1.116-12	7.483-01	2.001-01	4.556-03	3.337-05	1.471-05
-6.8	2.573-18	1.225-04	9.416-16	8.883-13	7.554-01	2.022-01	4.583-03	4.016-05	1.479-05
-6.6	1.623-18	1.155-04	7.033-16	7.065-13	7.612-01	2.039-01	4.606-03	4.780-05	1.484-05
-6.4	1.023-18	1.076-04	5.193-16	5.616-13	7.658-01	2.053-01	4.623-03	5.419-05	1.489-05
-6.2	6.448-19	9.896-05	3.786-16	4.463-13	7.694-01	2.065-01	4.638-03	6.521-05	1.493-05
-6.0	4.063-19	8.982-05	2.725-16	3.546-13	7.721-01	2.074-01	4.650-03	7.467-05	1.496-05
-5.8	2.559-19	8.041-05	1.934-16	2.816-13	7.742-01	2.081-01	4.660-03	8.432-05	1.499-05
-5.6	1.612-19	7.100-05	1.354-16	2.236-13	7.755-01	2.088-01	4.669-03	9.391-05	1.501-05
-5.4	1.014-19	6.182-05	9.341-17	1.775-13	7.762-01	2.094-01	4.673-03	1.032-04	1.504-05
-5.2	6.376-20	5.310-05	6.356-17	1.409-13	7.761-01	2.099-01	4.688-03	1.119-04	1.507-05
-5.0	4.004-20	4.502-05	4.265-17	1.117-13	7.769-01	2.106-01	4.699-03	1.197-04	1.510-05
-4.8	2.508-20	3.766-05	2.820-17	8.859-14	7.724-01	2.113-01	4.715-03	1.269-04	1.515-05
-4.6	1.567-20	3.109-05	1.835-17	7.018-14	7.680-01	2.124-01	4.737-03	1.329-04	1.522-05
-4.4	9.733-21	2.529-05	1.173-17	5.547-14	7.609-01	2.138-01	4.768-03	1.376-04	1.532-05
-4.2	6.001-21	2.021-05	7.326-18	4.376-14	7.499-01	2.150-01	4.814-03	1.407-04	1.546-05
-4.0	3.659-21	1.581-05	4.445-18	3.439-14	7.338-01	2.187-01	4.879-03	1.419-04	1.567-05
-3.8	2.197-21	1.202-05	2.596-18	2.659-14	7.112-01	2.227-01	4.968-03	1.405-04	1.596-05
-3.6	1.294-21	8.805-06	1.442-18	2.088-14	6.810-01	2.279-01	5.086-03	1.358-04	1.634-05
-3.4	7.447-22	6.150-06	7.935-19	1.607-14	6.430-01	2.344-01	5.236-03	1.269-04	1.681-05
-3.2	4.184-22	4.056-06	3.664-19	1.224-14	5.975-01	2.422-01	5.412-03	1.135-04	1.738-05
-3.0	2.296-22	2.510-06	1.650-19	9.232-15	5.461-01	2.509-01	5.612-03	9.655-05	1.803-05
-2.8	1.235-22	1.456-06	6.887-20	6.847-15	4.907-01	2.602-01	5.828-03	7.784-05	1.872-05
-2.6	6.536-23	7.953-07	2.688-20	5.110-15	4.339-01	2.697-01	6.049-03	5.958-05	1.943-05
-2.4	3.418-23	4.132-07	9.925-21	3.760-15	3.779-01	2.789-01	6.269-03	4.359-05	2.013-05
-2.2	1.773-23	2.064-07	3.514-21	2.752-15	3.245-01	2.875-01	6.478-03	3.075-05	2.081-05
-2.0	9.144-24	1.002-07	1.208-21	2.004-15	2.753-01	2.951-01	6.672-03	2.110-05	2.143-05
-1.8	4.701-24	4.764-08	4.068-22	1.455-15	2.309-01	3.017-01	6.849-03	1.419-05	2.200-05
-1.6	2.414-24	2.236-08	1.354-22	1.054-15	1.919-01	3.070-01	7.006-03	9.411-06	2.250-05
-1.4	1.239-24	1.041-08	4.476-23	7.616-16	1.582-01	3.110-01	7.145-03	6.182-06	2.295-05
-1.2	6.370-25	4.828-09	1.478-23	5.500-16	1.296-01	3.136-01	7.267-03	4.037-06	2.334-05
-1.0	3.265-25	2.237-09	4.887-24	3.973-16	1.056-01	3.147-01	7.374-03	2.628-06	2.369-05
-.8	1.702-25	1.039-09	1.626-24	2.873-16	8.559-02	3.143-01	7.470-03	1.709-06	2.399-05
-.6	8.877-26	4.849-10	5.459-25	2.082-16	6.915-02	3.122-01	7.557-03	1.113-06	2.427-05
-.4	4.674-26	2.281-10	1.858-25	1.515-16	5.572-02	3.082-01	7.638-03	7.269-07	2.453-05
-.2	2.493-26	1.086-10	6.438-26	1.109-16	4.480-02	3.021 01	7.718-03	4.773-07	2.479-05
.0	1.352-26	5.246-11	2.285-26	8.178-17	3.597-02	2.937-01	7.799-03	3.127-07	2.505-05
.2	7.489-27	2.584-11	8.361-27	6.041-17	2.886-02	2.826-01	7.883-03	2.108-07	2.532-05
.4	4.260-27	1.304-11	3.174-27	4.594-17	2.313-02	2.688-01	7.975-03	1.423-07	2.561-05
.6	2.501-27	6.765-12	1.258-27	3.516-17	1.854-02	2.522-01	8.074-03	9.729-08	2.593-05
.8	1.523-27	3.620-12	5.237-28	2.735-17	1.485-02	2.331-01	8.181-03	6.740-08	2.628-05
1.0	9.650-28	2.002-12	2.297-28	2.165-17	1.189-02	2.118-01	8.294-03	4.729-08	2.666-05
1.2	6.382-28	1.145-12	1.062-28	1.743-17	9.499-03	1.891-01	8.412-03	3.354-08	2.702-05
1.4	4.414-28	6.756-13	5.175-29	1.426-17	7.571-03	1.658-01	8.531-03	2.397-08	2.740-05
1.6	3.200-28	4.110-13	2.651-29	1.182-17	6.007-03	1.426-01	8.647-03	1.718-08	2.777-05
1.8	2.441-28	2.573-13	1.425-29	9.996-18	4.733-03	1.204-01	8.759-03	1.227-08	2.813-05
2.0	1.980-28	1.657-13	8.039-30	8.341-18	3.687-03	9.942-02	8.864-03	8.648-09	2.847-05
2.2	1.743-28	1.102-13	4.800-30	7.052-18	2.825-03	8.002-02	8.963-03	5.944-09	2.879-05

T= 6000

LOG D	E-	I	E/RT	H/RT	S/R	LOG P	Z*
-7.0	2.350-02	2.03876+00	2.14183+01	2.34575+01	7.64495+01	-5.34863+00	2.03876+00
-6.8	1.881-02	2.02897+00	2.11341+01	2.31631+01	7.82283+01	-5.15072+00	2.02897+00
-6.6	1.504-02	2.02111+00	2.09061+01	2.29272+01	7.76678+01	-4.99241+00	2.02111+00
-6.4	1.201-02	2.01477+00	2.07230+01	2.27377+01	7.59555+01	-4.75377+00	2.01477+00
-6.2	9.589-03	2.00960+00	2.05749+01	2.25865+01	7.48808+01	-4.55488+00	2.00960+00
-6.0	7.649-03	2.00531+00	2.04537+01	2.24590+01	7.38352+01	-4.35581+00	2.00531+00
-5.8	6.099-03	2.00161+00	2.03520+01	2.23536+01	7.28108+01	-4.15661+00	2.00162+00
-5.6	4.863-03	1.99823+00	2.02627+01	2.22410+01	7.18006+01	-3.95735+00	1.99823+00
-5.4	3.879-03	1.99485+00	2.01787+01	2.21736+01	7.07971+01	-3.75809+00	1.99485+00
-5.2	3.096-03	1.99107+00	2.00916+01	2.20827+01	6.97922+01	-3.55891+00	1.99108+00
-5.0	2.474-03	1.98639+00	1.99907+01	2.19771+01	6.87754+01	-3.35993+00	1.98639+00
-4.8	1.992-03	1.98008+00	1.98619+01	2.18420+01	6.77332+01	-3.16131+00	1.98008+00
-4.6	1.594-03	1.97116+00	1.96962+01	2.16573+01	6.66475+01	-2.96327+00	1.97117+00
-4.4	1.289-03	1.95832+00	1.94384+01	2.13967+01	6.54948+01	-2.76611+00	1.95832+00
-4.2	1.051-03	1.93995+00	1.90880+01	2.10277+01	6.42465+01	-2.57021+00	1.93995+00
-4.0	8.662-04	1.91430+00	1.86020+01	2.05163+01	6.28727+01	-2.37597+00	1.91430+00
-3.8	7.250-04	1.87994+00	1.79533+01	1.98332+01	6.13500+01	-2.18365+00	1.87994+00
-3.6	6.177-04	1.83631+00	1.71312+01	1.89675+01	5.96719+01	-1.99405+00	1.83631+00
-3.4	5.367-04	1.78420+00	1.61506+01	1.79348+01	5.78573+01	-1.80655+00	1.78420+00
-3.2	4.752-04	1.72580+00	1.50525+01	1.67783+01	5.59309+01	-1.62100+00	1.72580+00
-3.0	4.277-04	1.66621+00	1.38954+01	1.55596+01	5.40132+01	-1.43679+00	1.66621+00
-2.8	3.897-04	1.60268+00	1.27406+01	1.43433+01	5.21062+01	-1.25315+00	1.60268+00
-2.6	3.578-04	1.54398+00	1.16400+01	1.31839+01	5.02812+01	-1.06935+00	1.54398+00
-2.4	3.297-04	1.49003+00	1.06299+01	1.21199+01	4.85727+01	-8.84900-01	1.49002+00
-2.2	3.040-04	1.44187+00	9.73045+00	1.11723+01	4.69986+01	-6.99070-01	1.44186+00
-2.0	2.796-04	1.39984+00	8.96817+00	1.03488+01	4.55620+01	-5.11020-01	1.39983+00
-1.8	2.565-04	1.36376+00	8.27996+00	9.64372+00	4.42577+01	-3.23260-01	1.36373+00
-1.6	2.343-04	1.33312+00	7.71677+00	9.04986+00	4.30737+01	-1.33130-01	1.33307+00
-1.4	2.131-04	1.30722+00	7.24649+00	8.55371+00	4.19957+01	5.83500-02	1.33715+00
-1.2	1.931-04	1.28534+00	6.85589+00	8.14122+00	4.10083+01	2.51020-01	1.28522+00
-1.0	1.742-04	1.26671+00	6.53186+00	7.79857+00	4.00967+01	4.44680-01	1.26653+00
-.8	1.565-04	1.25062+00	6.26209+00	7.51771+00	3.92474+01	6.39130-01	1.25035+00
-.6	1.399-04	1.23641+00	6.03531+00	7.27172+00	3.84480+01	8.34170-01	1.23598+00
-.4	1.245-04	1.22347+00	5.84143+00	7.06490+00	3.76878+01	1.02960+00	1.22280+00
-.2	1.102-04	1.21125+00	5.67145+00	6.88270+00	3.69572+01	1.22524+00	1.21020+00
.0	9.693-05	1.19932+00	5.51750+00	6.71682+00	3.62482+01	1.42094+00	1.19767+00
.2	8.456-05	1.18737+00	5.37295+00	6.56032+00	3.55541+01	1.61659+00	1.18478+00
.4	7.306-05	1.17526+00	5.23261+00	6.40787+00	3.48698+01	1.81214+00	1.17121+00
.6	6.242-05	1.16316+00	5.09308+00	6.25424+00	3.41918+01	2.00765+00	1.15683+00
.8	5.266-05	1.15159+00	4.95296+00	6.10456+00	3.35188+01	2.20330+00	1.14169+00
1.0	4.383-05	1.14152+00	4.81288+00	5.95446+00	3.28508+01	2.39949+00	1.12605+00
1.2	3.600-05	1.13467+00	4.67497+00	5.80944+00	3.21890+01	2.59680+00	1.11030+00
1.4	2.923-05	1.13262+00	4.54223+00	5.67685+00	3.15345+01	2.79609+00	1.09487+00
1.6	2.354-05	1.13913+00	4.41768+00	5.55481+00	3.08872+01	2.99858+00	1.08015+00
1.8	1.889-05	1.15861+00	4.30382+00	5.46243+00	3.02469+01	3.20594+00	1.06639+00
2.0	1.523-05	1.19794+00	4.20247+00	5.40041+00	2.96019+01	3.42044+00	1.05372+00
2.2	1.249-05	1.26752+00	4.11482+00	5.38234+00	2.89480+01	3.64496+00	1.04202+00

T= 6100

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.241-05	4.017-10	8.520-08	2.075-09	1.167-18	1.534-18	7.168-17	1.774-07	3.998-10
-6.8	9.232-05	6.498-10	1.377-07	4.013-09	3.543-18	3.957-18	8.162-17	2.767-07	5.054-10
-6.6	8.412-05	1.047-09	2.216-07	7.679-09	1.079-17	1.015-17	2.032-16	2.686-07	6.467-10
-6.4	1.549-04	1.681-09	3.555-07	1.447-08	3.242-17	2.593-17	5.339-16	3.666-07	8.201-10
-6.2	2.156-04	2.691-09	5.680-07	2.694-08	9.600-17	6.600-17	1.358-15	4.665-07	1.041-09
-6.0	3.441-04	4.301-09	9.084-07	4.945-08	2.801-16	1.675-16	3.444-15	5.876-07	1.318-09
-5.8	5.481-04	6.863-09	1.448-06	8.948-08	8.051-16	4.262-16	8.714-15	7.420-07	1.660-09
-5.6	8.716-04	1.094-08	2.305-06	1.596-07	2.280-15	1.072-15	2.200-14	9.354-07	2.107-09
-5.4	1.384-03	1.741-08	3.665-06	2.807-07	6.364-15	2.705-15	5.543-14	1.177-06	2.659-09
-5.2	2.192-03	2.771-08	5.819-06	4.869-07	1.751-14	6.815-15	1.393-13	1.478-06	3.353-09
-5.0	3.464-03	4.408-08	9.226-06	8.337-07	4.757-14	1.714-14	3.492-13	1.859-06	4.229-09
-4.8	5.455-03	7.013-08	1.460-05	1.410-06	1.276-13	4.303-14	8.722-13	2.305-06	5.320-09
-4.6	8.546-03	1.117-07	2.307-05	2.358-06	3.383-13	1.078-13	2.167-12	2.854-06	6.691-09
-4.4	1.330-02	1.780-07	3.632-05	3.899-06	8.868-13	2.690-13	5.345-12	3.499-06	8.406-09
-4.2	2.068-02	2.842-07	5.696-05	6.375-06	2.259-12	6.607-13	1.304-11	4.229-06	1.054-08
-4.0	3.185-02	4.553-07	8.879-05	1.030-05	5.804-12	1.652-12	3.138-11	5.008-06	1.318-08
-3.8	4.817-02	7.322-07	1.373-04	1.638-05	1.484-11	4.048-12	7.388-11	5.767-06	1.642-08
-3.6	6.689-02	1.183-06	2.100-04	2.557-05	3.668-11	9.814-12	1.696-10	6.406-06	2.034-08
-3.4	9.395-02	1.921-06	3.172-04	3.884-05	8.828-11	2.368-11	3.776-10	6.810-06	2.500-08
-3.2	1.275-01	3.135-06	4.720-04	5.692-05	2.049-10	5.533-11	8.109-10	6.894-06	3.044-08
-3.0	1.667-01	5.134-06	6.908-04	7.975-05	4.546-10	1.282-10	1.679-09	6.633-06	3.667-08
-2.8	2.103-01	8.424-06	9.938-04	1.060-04	9.571-10	2.921-10	3.356-09	6.078-06	4.371-08
-2.6	2.564-01	1.382-05	1.406-03	1.336-04	1.908-09	6.538-10	6.472-09	5.328-06	5.157-08
-2.4	3.031-01	2.265-05	1.956-03	1.599-04	3.613-09	1.439-09	1.210-08	4.495-06	6.039-08
-2.2	3.486-01	3.699-05	2.681-03	1.832-04	6.546-09	3.119-09	2.200-08	3.671-06	6.995-08
-2.0	3.913-01	6.016-05	3.623-03	2.028-04	1.145-08	6.659-09	3.903-08	2.921-06	8.060-08
-1.8	4.304-01	9.734-05	4.833-03	2.165-04	1.947-08	1.403-08	6.778-08	2.274-06	9.232-08
-1.6	4.652-01	1.566-04	6.374-03	2.310-04	3.246-08	2.917-08	1.155-07	1.740-06	1.052-07
-1.4	4.956-01	2.505-04	8.320-03	2.407-04	5.328-08	5.997-08	1.930-07	1.314-06	1.192-07
-1.2	5.216-01	3.981-04	1.076-02	2.484-04	8.642-08	1.219-07	3.207-07	9.818-07	1.345-07
-1.0	5.435-01	6.280-04	1.379-02	2.544-04	1.389-07	2.452-07	5.241-07	7.279-07	1.510-07
-.8	5.617-01	9.830-04	1.754-02	2.593-04	2.214-07	4.879-07	8.471-07	5.368-07	1.686-07
-.6	5.767-01	1.525-03	2.214-02	2.634-04	3.503-07	9.596-07	1.355-06	3.947-07	1.873-07
-.4	5.889-01	2.339-03	2.771-02	2.668-04	5.502-07	1.883-06	2.145-06	2.900-07	2.068-07
-.2	5.988-01	3.543-03	3.439-02	2.698-04	8.575-07	3.567-06	3.361-06	2.134-07	2.267-07
.0	6.069-01	5.282-03	4.227-02	2.725-04	1.325-06	6.714-06	5.208-06	1.578-07	2.465-07
.2	6.137-01	7.726-03	5.141-02	2.750-04	2.025-06	1.240-05	7.972-06	1.175-07	2.656-07
.4	6.195-01	1.105-02	6.176-02	2.773-04	3.059-06	2.238-05	1.204-05	8.848-08	2.832-07
.6	6.246-01	1.539-02	7.318-02	2.793-04	4.557-06	3.942-05	1.793-05	6.756-08	2.986-07
.8	6.295-01	2.082-02	8.543-02	2.810-04	6.683-06	6.760-05	2.627-05	5.248-08	3.112-07
1.0	6.343-01	2.739-02	9.814-02	2.821-04	9.636-06	1.129-04	3.786-05	4.162-08	3.208-07
1.2	6.391-01	3.469-02	1.109-01	2.822-04	1.365-05	1.842-04	5.366-05	3.378-08	3.276-07
1.4	6.439-01	4.251-02	1.234-01	2.811-04	1.901-05	2.953-04	7.483-05	2.814-08	3.325-07
1.6	6.487-01	5.081-02	1.351-01	2.783-04	2.604-05	4.697-04	1.027-04	2.414-08	3.372-07
1.8	6.534-01	5.902-02	1.459-01	2.732-04	3.520-05	7.529-04	1.390-04	2.147-08	3.445-07
2.0	6.581-01	6.693-02	1.554-01	2.651-04	4.707-05	1.244-03	1.854-04	1.999-08	3.591-07
2.2	6.626-01	7.426-02	1.635-01	2.534-04	6.250-05	2.193-03	2.440-04	1.985-08	3.893-07

T= 6100

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.156-24	4.900-06	1.490-10	1.598-10	2.235-02	7.201-17	7.021-03	.000+00	3.305-05
-6.8	8.496-24	6.766-06	2.282-10	2.045-10	1.790-02	4.566-17	5.631-03	.000+00	2.636-05
-6.6	1.728-23	7.586-06	3.454-10	2.610-10	1.432-02	2.891-17	4.506-03	.000+00	2.100-05
-6.4	3.502-23	1.015-05	5.164-10	3.323-10	1.143-02	1.829-17	3.601-03	.000+00	1.672-05
-6.2	7.077-23	1.287-05	7.618-10	4.222-10	9.112-03	1.156-17	2.873-03	.000+00	1.330-05
-6.0	1.427-22	1.630-05	1.108-09	5.356-10	7.257-03	7.295-18	2.290-03	.000+00	1.058-05
-5.8	2.872-22	2.059-05	1.590-09	6.786-10	5.774-03	4.602-18	1.823-03	.000+00	8.408-06
-5.6	5.773-22	2.599-05	2.249-09	8.592-10	4.590-03	2.900-18	1.451-03	.000+00	6.681-06
-5.4	1.159-21	3.275-05	3.135-09	1.087-09	3.644-03	1.826-18	1.154-03	.000+00	5.307-06
-5.2	2.328-21	4.121-05	4.309-09	1.376-09	2.890-03	1.148-18	9.170-04	.000+00	4.215-06
-5.0	4.677-21	5.176-05	5.844-09	1.743-09	2.288-03	7.197-19	7.284-04	.000+00	3.346-06
-4.8	9.405-21	6.483-05	7.822-09	2.210-09	1.807-03	4.498-19	5.783-04	.000+00	2.655-06
-4.6	1.896-20	8.090-05	1.033-08	2.809-09	1.422-03	2.797-19	4.587-04	.000+00	2.105-06
-4.4	3.835-20	1.004-04	1.346-08	3.584-09	1.113-03	1.726-19	3.635-04	.000+00	1.668-06
-4.2	7.802-20	1.236-04	1.729-08	4.601-09	8.647-04	1.053-19	2.875-04	.000+00	1.319-06
-4.0	1.601-19	1.504-04	2.180-08	5.957-09	6.640-04	6.311-20	2.269-04	.000+00	1.041-06
-3.8	3.325-19	1.802-04	2.687-08	7.806-09	5.019-04	3.696-20	1.784-04	.000+00	8.185-07
-3.6	7.010-19	2.113-04	3.214-08	1.039-08	3.715-04	2.098-20	1.394-04	.000+00	6.401-07
-3.4	1.504-18	2.416-04	3.695-08	1.407-08	2.681-04	1.146-20	1.082-04	.000+00	4.969-07
-3.2	3.291-18	2.682-04	4.042-08	1.944-08	1.879-04	5.998-21	8.317-05	.000+00	3.822-07
-3.0	7.330-18	2.888-04	4.165-08	2.733-08	1.278-04	3.002-21	6.328-05	.000+00	2.911-07
-2.8	1.657-17	3.018-04	4.023-08	3.903-08	8.435-05	1.440-21	4.764-05	.000+00	2.194-07
-2.6	3.785-17	3.069-04	3.643-08	5.634-08	5.420-05	6.658-22	3.552-05	.000+00	1.638-07
-2.4	8.696-17	3.048-04	3.113-08	8.182-08	3.403-05	2.986-22	2.625-05	.000+00	1.213-07
-2.2	2.001-16	2.967-04	2.534-08	1.191-07	2.095-05	1.307-22	1.926-05	.000+00	8.921-08
-2.0	4.600-16	2.841-04	1.987-08	1.732-07	1.269-05	5.618-23	1.405-05	.000+00	6.526-08
-1.8	1.053-15	2.683-04	1.515-08	2.512-07	7.593-06	2.383-23	1.019-05	.000+00	4.753-08
-1.6	2.398-15	2.505-04	1.134-08	3.627-07	4.496-06	1.001-23	7.362-06	.000+00	3.451-08
-1.4	5.472-15	2.317-04	8.378-09	5.208-07	2.641-06	4.175-24	5.299-06	.000+00	2.500-08
-1.2	1.217-14	2.127-04	6.137-09	7.435-07	1.542-06	1.735-24	3.802-06	.000+00	1.808-08
-1.0	2.707-14	1.941-04	4.473-09	1.054-06	8.971-07	7.200-25	2.721-06	.000+00	1.308-08
-.8	5.960-14	1.761-04	3.253-09	1.484-06	5.206-07	2.991-25	1.944-06	.000+00	9.466-09
-.6	1.297-13	1.592-04	2.366-09	2.073-06	3.020-07	1.247-25	1.386-06	.000+00	6.865-09
-.4	2.782-13	1.434-04	1.725-09	2.867-06	1.754-07	5.235-26	9.867-07	.000+00	4.997-09
-.2	5.862-13	1.288-04	1.262-09	3.920-06	1.023-07	2.220-26	7.020-07	.000+00	3.656-09
.0	1.209-12	1.155-04	9.302-10	5.286-06	5.997-08	9.546-27	4.993-07	.000+00	2.696-09
.2	2.429-12	1.034-04	6.915-10	7.006-06	3.548-08	4.183-27	3.553-07	.000+00	2.008-09
.4	4.727-12	9.269-05	5.201-10	9.099-06	2.124-08	1.878-27	2.532-07	.000+00	1.514-09
.6	8.872-12	8.318-05	3.968-10	1.154-05	1.290-08	8.685-28	1.808-07	.000+00	1.160-09
.8	1.599-11	7.487-05	3.078-10	1.426-05	7.982-09	4.157-28	1.296-07	.000+00	9.058-10
1.0	2.764-11	6.771-05	2.433-10	1.713-05	5.042-09	2.068-28	9.336-08	.000+00	7.220-10
1.2	4.591-11	6.169-05	1.963-10	2.104-05	3.259-09	1.072-28	6.773-08	.000+00	5.890-10
1.4	7.367-11	5.678-05	1.618-10	2.292-05	2.162-09	5.794-29	4.962-08	.000+00	4.927-10
1.6	1.155-10	5.307-05	1.367-10	2.578-05	1.477-09	3.270-29	3.686-08	.000+00	4.239-10
1.8	1.796-10	5.075-05	1.189-10	2.886-05	1.045-09	1.929-29	2.795-08	.000+00	3.769-10
2.0	2.842-10	5.026-05	1.073-10	3.264-05	7.736-10	1.195-29	2.187-08	.000+00	3.495-10
2.2	4.736-10	5.259-05	1.019-10	3.821-05	6.099-10	7.879-30	1.799-08	.000+00	3.434-10

T= 61CC

LOG D	S++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.035-17	1.313-06	2.238-15	1.763-12	7.308-01	1.975-01	4.520-03	2.951-05	1.462-05
-6.8	8.656-18	1.260-04	1.700-15	1.419-12	7.478-01	2.001-01	4.554-03	3.578-05	1.471-05
-6.6	4.199-18	1.197-04	1.279-15	1.130-12	7.551-01	2.022-01	4.582-03	4.291-05	1.478-05
-6.4	2.649-18	1.124-04	9.511-16	8.984-13	7.609-01	2.040-01	4.604-03	5.086-05	1.484-05
-6.2	1.670-18	1.042-04	6.991-16	7.142-13	7.655-01	2.054-01	4.622-03	5.952-05	1.489-05
-6.0	1.053-18	9.562-05	5.073-16	5.676-13	7.691-01	2.065-01	4.637-03	6.874-05	1.493-05
-5.8	6.636-19	8.618-05	3.633-16	4.510-13	7.719-01	2.074-01	4.649-03	7.830-05	1.496-05
-5.6	4.181-19	7.676-05	2.565-16	3.582-13	7.739-01	2.082-01	4.660-03	8.797-05	1.499-05
-5.4	2.633-19	6.742-05	1.786-16	2.844-13	7.752-01	2.088-01	4.670-03	9.747-05	1.502-05
-5.2	1.657-19	5.842-05	1.227-16	2.259-13	7.758-01	2.094-01	4.679-03	1.066-04	1.504-05
-5.0	1.042-19	4.994-05	8.308-17	1.793-13	7.754-01	2.100-01	4.690-03	1.150-04	1.507-05
-4.8	6.543-20	4.215-05	5.549-17	1.422-13	7.740-01	2.107-01	4.703-03	1.227-04	1.511-05
-4.6	4.100-20	3.511-05	3.652-17	1.128-13	7.710-01	2.116-01	4.720-03	1.294-04	1.517-05
-4.4	2.560-20	2.886-05	2.366-17	8.933-14	7.658-01	2.127-01	4.745-03	1.349-04	1.525-05
-4.2	1.590-20	2.338-05	1.505-17	7.065-14	7.576-01	2.143-01	4.781-03	1.392-04	1.536-05
-4.0	9.798-21	1.860-05	9.350-18	5.575-14	7.451-01	2.166-01	4.832-03	1.418-04	1.552-05
-3.8	5.969-21	1.447-05	5.635-18	4.383-14	7.270-01	2.199-01	4.904-03	1.424-04	1.576-05
-3.6	3.579-21	1.092-05	3.262-18	3.427-14	7.020-01	2.242-01	5.003-03	1.403-04	1.607-05
-3.4	2.104-21	7.927-06	1.753-18	2.661-14	6.693-01	2.294-01	5.131-03	1.365-04	1.648-05
-3.2	1.208-21	5.476-06	9.241-19	2.047-14	6.287-01	2.368-01	5.290-03	1.245-04	1.699-05
-3.0	6.771-22	3.563-06	4.427-19	1.559-14	5.811-01	2.449-01	5.476-03	1.101-04	1.759-05
-2.8	3.709-22	2.174-06	1.963-19	1.175-14	5.281-01	2.538-01	5.682-03	9.231-05	1.825-05
-2.6	1.992-22	1.244-06	8.081-20	8.770-15	4.720-01	2.632-01	5.901-03	7.363-05	1.895-05
-2.4	1.054-22	6.718-07	3.117-20	6.494-15	4.152-01	2.726-01	6.123-03	5.572-05	1.967-05
-2.2	5.512-23	3.458-07	1.141-20	4.777-15	3.599-01	2.815-01	6.340-03	4.038-05	2.036-05
-2.0	2.860-23	1.716-07	4.017-21	3.494-15	3.078-01	2.898-01	6.545-03	2.828-05	2.102-05
-1.8	1.477-23	8.292-08	1.376-21	2.545-15	2.601-01	2.970-01	6.734-03	1.930-05	2.163-05
-1.6	7.605-24	3.935-08	4.632-22	1.848-15	2.175-01	3.030-01	6.905-03	1.234-05	2.218-05
-1.4	3.913-24	1.846-08	1.543-22	1.338-15	1.803-01	3.077-01	7.057-03	8.562-06	2.267-05
-1.2	2.014-24	8.600-09	5.116-23	9.680-16	1.483-01	3.110-01	7.192-03	5.620-06	2.310-05
-1.0	1.040-24	3.996-09	1.697-23	7.000-16	1.212-01	3.129-01	7.310-03	3.670-06	2.348-05
-.8	5.387-25	1.858-09	5.649-24	5.066-16	9.858-02	3.131-01	7.414-03	2.392-06	2.382-05
-.6	2.809-25	8.675-10	1.896-24	3.673-16	7.984-02	3.117-01	7.509-03	1.559-06	2.412-05
-.4	1.478-25	4.077-10	6.440-25	2.672-16	6.445-02	3.086-01	7.596-03	1.019-06	2.440-05
-.2	7.866-26	1.936-10	2.225-25	1.954-16	5.190-02	3.031-01	7.680-03	6.683-07	2.467-05
.0	4.255-26	9.326-11	7.862-26	1.439-16	4.171-02	2.955-01	7.763-03	4.414-07	2.493-05
.2	2.349-26	4.575-11	2.959-26	1.070-16	3.348-02	2.853-01	7.849-03	2.940-07	2.521-05
.4	1.331-26	2.296-11	1.078-26	8.052-17	2.686-02	2.724-01	7.940-03	1.979-07	2.550-05
.6	7.775-27	1.184-11	4.237-27	6.146-17	2.153-02	2.567-01	8.039-03	1.348-07	2.582-05
.8	4.711-27	6.293-12	1.748-27	4.768-17	1.725-02	2.383-01	8.145-03	9.302-08	2.616-05
1.0	2.972-27	3.458-12	7.603-28	3.763-17	1.381-02	2.176-01	8.258-03	6.502-08	2.652-05
1.2	1.999-27	1.965-12	3.499-28	3.023-17	1.104-02	1.953-01	8.376-03	4.595-08	2.690-05
1.4	1.352-27	1.154-12	1.693-28	2.469-17	8.797-03	1.721-01	8.495-03	3.275-08	2.729-05
1.6	9.804-28	7.003-13	8.653-29	2.045-17	6.981-03	1.488-01	8.614-03	2.342-08	2.767-05
1.8	7.500-28	4.379-13	4.656-29	1.713-17	5.501-03	1.261-01	8.728-03	1.671-08	2.803-05
2.0	6.117-28	2.824-13	2.641-29	1.446-17	4.288-03	1.046-01	8.837-03	1.178-08	2.838-05
2.2	5.439-28	1.885-13	1.595-29	1.226-17	3.286-03	8.449-02	8.940-03	8.111-09	2.872-05

T= 61CC

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	2.954-02	2.05148+00	2.14987+01	2.35502+01	7.98841+01	-5.33875+00	2.05149+00
-6.8	2.369-02	2.03915+00	2.11455+01	2.31847+01	7.85891+01	-5.14137+00	2.03916+00
-6.6	1.897-02	2.02927+00	2.08627+01	2.28926+01	7.75396+01	-4.94348+00	2.02927+00
-6.4	1.517-02	2.02132+00	2.06361+01	2.26574+01	7.62103+01	-4.74518+00	2.02133+00
-6.2	1.212-02	2.01491+00	2.04533+01	2.24687+01	7.50987+01	-4.54656+00	2.01491+00
-6.0	9.670-03	2.00966+00	2.03061+01	2.23158+01	7.40244+01	-4.34769+00	2.00967+00
-5.8	7.713-03	2.00528+00	2.01847+01	2.21900+01	7.29786+01	-4.14864+00	2.00528+00
-5.6	6.151-03	2.00147+00	2.00821+01	2.20836+01	7.19534+01	-3.94947+00	2.00147+00
-5.4	4.905-03	1.99792+00	1.99910+01	2.19889+01	7.09413+01	-3.75024+00	1.99792+00
-5.2	3.913-03	1.99429+00	1.99036+01	2.18979+01	6.99347+01	-3.55103+00	1.99429+00
-5.0	3.124-03	1.99015+00	1.98110+01	2.18011+01	6.89246+01	-3.35193+00	1.99016+00
-4.8	2.498-03	1.98492+00	1.97014+01	2.16864+01	6.78997+01	-3.15307+00	1.98493+00
-4.6	2.002-03	1.97780+00	1.95595+01	2.15372+01	6.68452+01	-2.95463+00	1.97780+00
-4.4	1.611-03	1.96768+00	1.93643+01	2.13320+01	6.57414+01	-2.75686+00	1.96768+00
-4.2	1.305-03	1.95315+00	1.90892+01	2.10423+01	6.45633+01	-2.56008+00	1.95315+00
-4.0	1.066-03	1.93251+00	1.87026+01	2.06351+01	6.32818+01	-2.36469+00	1.93251+00
-3.8	8.815-04	1.90408+00	1.81729+01	2.00770+01	6.18684+01	-2.17113+00	1.90408+00
-3.6	7.403-04	1.86663+00	1.74775+01	1.93441+01	6.03044+01	-1.97976+00	1.86663+00
-3.4	6.331-04	1.82001+00	1.66134+01	1.84334+01	5.85911+01	-1.79074+00	1.82001+00
-3.2	5.521-04	1.76549+00	1.56041+01	1.73696+01	5.67560+01	-1.60395+00	1.76549+00
-3.0	4.903-04	1.70564+00	1.44970+01	1.62027+01	5.48496+01	-1.41893+00	1.70564+00
-2.8	4.423-04	1.64369+00	1.33522+01	1.49956+01	5.29336+01	-1.23500+00	1.64368+00
-2.6	4.034-04	1.58278+00	1.22279+01	1.38107+01	5.10665+01	-1.05139+00	1.58278+00
-2.4	3.704-04	1.52543+00	1.11706+01	1.26961+01	4.92938+01	-8.67420-01	1.52542+00
-2.2	3.410-04	1.47325+00	1.02106+01	1.16835+01	4.76435+01	-6.82540-01	1.47324+00
-2.0	3.139-04	1.42705+00	9.36286+00	1.07899+01	4.61282+01	-4.96380-01	1.42703+00
-1.8	2.883-04	1.38694+00	8.63016+00	1.00171+01	4.47478+01	-3.08760-01	1.38691+00
-1.6	2.639-04	1.35261+00	8.00715+00	9.35576+00	4.34943+01	-1.19640-01	1.35257+00
-1.4	2.406-04	1.32349+00	7.48362+00	8.80711+00	4.23547+01	7.09000-02	1.32341+00
-1.2	2.185-04	1.29884+00	7.04707+00	8.34591+00	4.13146+01	2.62740-01	1.29873+00
-1.0	1.976-04	1.27792+00	6.68435+00	7.96228+00	4.03587+01	4.55690-01	1.27775+00
-.8	1.778-04	1.25998+00	6.38271+00	7.64269+00	3.94728+01	6.49550-01	1.25970+00
-.6	1.594-04	1.24430+00	6.13027+00	7.37427+00	3.86438+01	8.44110-01	1.24387+00
-.4	1.422-04	1.23025+00	5.91624+00	7.14650+00	3.78600+01	1.03918+00	1.22958+00
-.2	1.261-04	1.21725+00	5.73100+00	6.94824+00	3.71113+01	1.23456+00	1.21619+00
.0	1.111-04	1.20480+00	5.56604+00	6.77084+00	3.63886+01	1.43010+00	1.20314+00
.2	9.721-05	1.19255+00	5.41412+00	6.60666+00	3.56847+01	1.62566+00	1.18995+00
.4	8.424-05	1.18031+00	5.26936+00	6.44967+00	3.49936+01	1.82118+00	1.17626+00
.6	7.220-05	1.16819+00	5.12760+00	6.29580+00	3.43111+01	2.01670+00	1.16184+00
.8	6.111-05	1.15663+00	4.98663+00	6.14326+00	3.36349+01	2.21238+00	1.14670+00
1.0	5.105-05	1.14652+00	4.84625+00	5.99277+00	3.29643+01	2.40857+00	1.13101+00
1.2	4.208-05	1.13934+00	4.70796+00	5.84730+00	3.22998+01	2.60584+00	1.11512+00
1.4	3.428-05	1.13727+00	4.57434+00	5.71160+00	3.16422+01	2.80505+00	1.09943+00
1.6	2.769-05	1.14345+00	4.44826+00	5.59171+00	3.09914+01	3.00740+00	1.08434+00
1.8	2.229-05	1.16252+00	4.33228+00	5.49480+00	3.03451+01	3.21458+00	1.07014+00
2.0	1.802-05	1.20138+00	4.22838+00	5.42976+00	2.96978+01	3.42887+00	1.05696+00
2.2	1.482-05	1.27045+00	4.13793+00	5.40839+00	2.90396+01	3.65314+00	1.04475+00

T= 6200

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.948-09	3.39[illegible]-10	6.860-08	1.294-09	6.120-19	1.121-18	2.[illegible]78-17	1.709-07	3.933-10
-6.8	3.608-05	5.502-10	1.111-07	2.528-09	1.911-18	2.911-18	2.649-17	2.191-07	5.655-10
-6.6	6.147-05	8.898-10	1.796-07	4.074-09	5.851-18	7.507-18	1.485-16	2.800-07	6.470-10
-6.4	9.805-05	1.433-09	2.887-07	9.277-09	1.704-17	1.926-17	3.750-16	3.565-07	8.252-10
-6.2	1.585-04	2.301-09	4.632-07	1.742-08	5.334-17	4.917-17	9.519-16	4.528-07	1.050-09
-6.0	2.536-04	3.684-09	7.412-07	3.227-08	1.571-16	1.251-16	2.421-15	5.739-07	1.332-09
-5.8	4.043-04	5.886-09	1.184-06	5.892-08	4.560-16	3.176-16	6.140-15	7.259-07	1.687-09
-5.6	6.410-04	9.391-09	1.887-06	1.060-07	1.303-15	8.042-16	1.553-14	9.165-07	2.134-09
-5.4	1.026-03	1.497-08	3.003-06	1.851-07	3.671-15	2.032-15	3.920-14	1.155-06	2.696-09
-5.2	1.625-03	2.383-08	4.773-06	3.290-07	1.019-14	5.126-15	9.873-14	1.453-06	3.403-09
-5.0	2.572-03	3.792-08	7.577-06	5.678-07	2.790-14	1.291-14	2.400-13	1.823-06	4.292-09
-4.8	4.061-03	6.033-08	1.201-05	9.676-07	7.542-14	3.246-14	6.211-13	2.280-06	5.408-09
-4.6	6.383-03	9.602-08	1.900-05	1.629-06	2.014-13	8.163-14	1.549-12	2.837-06	6.810-09
-4.4	9.683-03	1.520-07	2.988-05	2.713-06	5.317-13	2.038-13	3.841-12	3.504-06	8.567-09
-4.2	1.549-02	2.439-07	4.716-05	4.469-06	1.306-12	5.051-13	9.444-12	4.280-06	1.076-08
-4.0	2.378-02	3.900-07	7.381-05	7.278-06	3.585-12	1.261-12	2.294-11	5.146-06	1.356-08
-3.8	3.576-02	6.255-07	1.148-04	1.171-05	9.137-12	3.108-12	5.670-11	6.049-06	1.689-08
-3.6	5.292-02	1.007-06	1.768-04	1.858-05	2.292-11	7.565-12	1.380-10	6.898-06	2.103-08
-3.4	7.564-02	1.631-06	2.684-04	2.874-05	5.631-11	1.831-11	2.905-10	7.567-06	2.605-08
-3.2	1.090-01	2.653-06	4.048-04	4.320-05	1.343-10	4.357-11	6.393-10	7.937-06	3.200-08
-3.0	1.406-01	4.334-06	5.989-04	6.273-05	3.083-10	1.021-10	1.356-09	7.910-06	3.892-08
-2.8	1.816-01	7.102-06	8.712-04	8.672-05	6.748-10	2.351-10	2.772-09	7.699-06	4.683-08
-2.6	2.263-01	1.165-05	1.246-03	1.137-04	1.400-09	5.321-10	5.468-09	6.778-06	5.573-08
-2.4	2.720-01	1.911-05	1.752-03	1.412-04	2.751-09	1.184-09	1.043-08	5.870-06	6.565-08
-2.2	3.192-01	3.127-05	2.424-03	1.669-04	5.163-09	2.590-09	1.930-08	4.901-06	7.664-08
-2.0	3.639-01	5.097-05	3.304-03	1.893-04	9.218-09	5.579-09	3.476-08	3.969-06	8.877-08
-1.8	4.054-01	8.270-05	4.442-03	2.076-04	1.598-08	1.184-08	6.116-08	3.135-06	1.021-07
-1.6	4.430-01	1.335-04	5.899-03	2.226-04	2.700-08	2.481-08	1.056-07	2.428-06	1.168-07
-1.4	4.763-01	2.141-04	7.746-03	2.343-04	4.477-08	5.133-08	1.786-07	1.850-06	1.328-07
-1.2	5.051-01	3.411-04	1.007-02	2.434-04	7.316-08	1.050-07	2.978-07	1.393-06	1.502-07
-1.0	5.295-01	5.397-04	1.297-02	2.506-04	1.182-07	2.122-07	4.900-07	1.039-06	1.690-07
-.8	5.501-01	8.474-04	1.656-02	2.563-04	1.892-07	4.242-07	7.966-07	7.695-07	1.893-07
-.6	5.671-01	1.318-03	2.098-02	2.610-04	3.005-07	8.383-07	1.241-06	5.677-07	2.107-07
-.4	5.810-01	2.030-03	2.635-02	2.649-04	4.736-07	1.636-06	2.037-06	4.181-07	2.333-07
-.2	5.923-01	3.087-03	3.280-02	2.682-04	7.404-07	3.147-06	3.205-06	3.082-07	2.565-07
.0	6.016-01	4.625-03	4.046-02	2.712-04	1.147-06	5.957-06	4.987-06	2.280-07	2.798-07
.2	6.092-01	6.805-03	4.939-02	2.739-04	1.760-06	1.107-05	7.660-06	1.698-07	3.027-07
.4	6.156-01	9.759-03	5.957-02	2.764-04	2.670-06	2.013-05	1.164-05	1.277-07	3.243-07
.6	6.212-01	1.376-02	7.090-02	2.786-04	3.996-06	3.575-05	1.740-05	9.730-08	3.438-07
.8	6.264-01	1.878-02	8.315-02	2.805-04	5.891-06	6.188-05	2.563-05	7.543-08	3.606-07
1.0	6.313-01	2.485-02	9.600-02	2.819-04	8.543-06	1.044-04	3.712-05	5.968-08	3.744-07
1.2	6.362-01	3.184-02	1.090-01	2.824-04	1.218-05	1.720-04	5.288-05	4.833-08	3.852-07
1.4	6.411-01	3.953-02	1.219-01	2.818-04	1.707-05	2.783-04	7.409-05	4.019-08	3.940-07
1.6	6.459-01	4.761-02	1.341-01	2.796-04	2.355-05	4.467-04	1.022-04	3.446-08	4.029-07
1.8	6.507-01	5.578-02	1.454-01	2.752-04	3.204-05	7.221-04	1.389-04	3.064-08	4.150-07
2.0	6.554-01	6.374-02	1.555-01	2.681-04	4.315-05	1.203-03	1.859-04	2.856-08	4.363-07
2.2	6.601-01	7.122-02	1.642-01	2.573-04	5.772-05	2.133-03	2.454-04	2.842-08	4.774-07

T= 6200

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	5.029-24	4.259-06	1.168-10	1.849-10	2.804-02	1.829-16	8.567-03	.000+00	4.341-05
-6.8	1.034-23	5.469-06	1.603-10	2.377-10	2.252-02	1.161-16	6.887-03	.000+00	3.466-05
-6.6	2.112-23	6.993-06	2.752-10	3.043-10	1.804-02	7.363-17	5.523-03	.000+00	2.784-05
-6.4	4.295-23	8.912-06	4.148-10	3.883-10	1.443-02	4.663-17	4.419-03	.000+00	2.202-05
-6.2	8.704-23	1.133-05	6.172-10	4.943-10	1.152-02	2.950-17	3.531-03	.000+00	1.754-05
-6.0	1.759-22	1.437-05	9.060-10	6.279-10	9.183-03	1.864-17	2.817-03	.000+00	1.395-05
-5.8	3.545-22	1.818-05	1.311-09	7.964-10	7.314-03	1.177-17	2.245-03	.000+00	1.110-05
-5.6	7.135-22	2.298-05	1.871-09	1.009-09	5.819-03	7.425-18	1.788-03	.000+00	8.822-06
-5.4	1.434-21	2.900-05	2.631-09	1.276-09	4.625-03	4.679-18	1.423-03	.000+00	7.010-06
-5.2	2.881-21	3.654-05	3.649-09	1.617-09	3.672-03	2.945-18	1.132-03	.000+00	5.570-06
-5.0	5.785-21	4.597-05	4.990-09	2.047-09	2.912-03	1.851-18	8.995-04	.000+00	4.423-06
-4.8	1.162-20	5.770-05	6.735-09	2.593-09	2.304-03	1.160-18	7.146-04	.000+00	3.512-06
-4.6	2.339-20	7.222-05	8.972-09	3.289-09	1.819-03	7.246-19	5.674-04	.000+00	2.787-06
-4.4	4.717-20	9.002-05	1.180-08	4.184-09	1.430-03	4.500-19	4.502-04	.000+00	2.211-06
-4.2	9.553-20	1.115-04	1.531-08	5.346-09	1.117-03	2.771-19	3.568-04	.000+00	1.752-06
-4.0	1.947-19	1.370-04	1.956-08	6.874-09	8.656-04	1.684-19	2.823-04	.000+00	1.386-06
-3.8	4.006-19	1.661-04	2.454-08	8.923-09	6.623-04	1.005-19	2.228-04	.000+00	1.094-06
-3.6	8.344-19	1.979-04	3.005-08	1.173-08	4.981-04	5.849-20	1.752-04	.000+00	8.604-07
-3.4	1.766-18	2.307-04	3.564-08	1.567-08	3.665-04	3.294-20	1.369-04	.000+00	6.728-07
-3.2	3.805-18	2.618-04	4.054-08	2.132-08	2.625-04	1.783-20	1.062-04	.000+00	5.221-07
-3.0	8.355-18	2.883-04	4.375-08	2.955-08	1.826-04	9.234-21	8.156-05	.000+00	4.014-07
-2.8	1.866-17	3.079-04	4.440-08	4.169-08	1.232-04	4.576-21	6.198-05	.000+00	3.054-07
-2.6	4.225-17	3.193-04	4.221-08	5.965-08	8.072-05	2.176-21	4.661-05	.000+00	2.299-07
-2.4	9.655-17	3.226-04	3.766-08	8.615-08	5.153-05	9.990-22	3.470-05	.000+00	1.715-07
-2.2	2.216-16	3.184-04	3.177-08	1.251-07	3.217-05	4.455-22	2.562-05	.000+00	1.269-07
-2.0	5.091-16	3.084-04	2.560-08	1.818-07	1.972-05	1.942-22	1.878-05	.000+00	9.328-08
-1.8	1.167-15	2.940-04	1.993-08	2.639-07	1.190-05	8.327-23	1.368-05	.000+00	6.820-08
-1.6	2.662-15	2.767-04	1.513-08	3.816-07	7.100-06	3.526-23	9.915-06	.000+00	4.967-08
-1.4	6.038-15	2.575-04	1.128-08	5.493-07	4.196-06	1.480-23	7.157-06	.000+00	3.607-08
-1.2	1.359-14	2.377-04	8.323-09	7.862-07	2.462-06	6.181-24	5.147-06	.000+00	2.614-08
-1.0	3.034-14	2.177-04	6.095-09	1.118-06	1.437-06	2.574-24	3.691-06	.000+00	1.893-08
-.8	6.705-14	1.983-04	4.446-09	1.579-06	8.362-07	1.072-24	2.641-06	.000+00	1.372-08
-.6	1.465-13	1.797-04	3.240-09	2.212-06	4.860-07	4.476-25	1.886-06	.000+00	9.953-09
-.4	3.157-13	1.623-04	2.364-09	3.070-06	2.826-07	1.880-25	1.344-06	.000+00	7.244-09
-.2	6.691-13	1.461-04	1.731-09	4.213-06	1.648-07	7.966-26	9.577-07	.000+00	5.298-09
.0	1.389-12	1.312-04	1.274-09	5.706-06	9.665-08	3.421-26	6.820-07	.000+00	3.902-09
.2	2.813-12	1.178-04	9.465-10	7.604-06	5.712-08	1.496-26	4.859-07	.000+00	2.902-09
.4	5.528-12	1.057-04	7.108-10	9.936-06	3.414-08	6.693-27	3.467-07	.000+00	2.184-09
.6	1.049-11	9.505-05	5.414-10	1.269-05	2.070-08	3.082-27	2.479-07	.000+00	1.670-09
.8	1.914-11	8.573-05	4.192-10	1.580-05	1.277-08	1.469-27	1.780-07	.000+00	1.300-09
1.0	3.352-11	7.771-05	3.308-10	1.914-05	8.046-09	7.278-28	1.285-07	.000+00	1.033-09
1.2	5.840-11	7.097-05	2.666-10	2.258-05	5.189-09	3.759-28	9.345-08	.000+00	8.411-10
1.4	9.169-11	6.551-05	2.199-10	2.603-05	3.436-09	2.028-28	6.865-08	.000+00	7.025-10
1.6	1.454-10	6.142-05	1.860-10	2.952-05	2.344-09	1.145-28	5.115-08	.000+00	6.039-10
1.8	2.288-10	5.893-05	1.621-10	3.326-05	1.657-09	6.767-29	3.892-08	.000+00	5.370-10
2.0	3.657-10	5.858-05	1.469-10	3.787-05	1.226-09	4.215-29	3.057-08	.000+00	4.995-10
2.2	6.149-10	6.155-05	1.405-10	4.460-05	9.665-10	2.808-29	2.523-08	.000+00	4.913-10

T= 6200

LOG E	A++	C+	C++	HE+	N	O	A	C	NE
-7.0	2.644-17	1.336-04	3.928-15	2.803-12	7.275-01	1.944-01	4.475-03	2.607-05	1.451-05
-6.8	1.670-17	1.290-04	3.000-15	2.224-12	7.386-01	1.976-01	4.518-03	3.183-05	1.462-05
-6.6	1.056-17	1.234-04	2.271-15	1.778-12	7.477-01	2.002-01	4.553-03	3.346-05	1.471-05
-6.4	6.650-18	1.167-04	1.701-15	1.419-12	7.549-01	2.023-01	4.581-03	4.593-05	1.478-05
-6.2	4.195-18	1.091-04	1.259-15	1.126-12	7.608-01	2.040-01	4.603-03	5.419-05	1.484-05
-6.0	2.646-18	1.007-04	9.213-16	8.950-13	7.654-01	2.054-01	4.622-03	6.310-05	1.489-05
-5.8	1.668-18	9.166-05	6.651-16	7.114-13	7.690-01	2.065-01	4.637-03	7.250-05	1.493-05
-5.6	1.051-18	8.234-05	4.737-16	5.652-13	7.717-01	2.074-01	4.649-03	8.214-05	1.496-05
-5.4	6.625-19	7.294-05	3.327-16	4.490-13	7.737-01	2.082-01	4.660-03	9.178-05	1.499-05
-5.2	4.173-19	6.373-05	2.305-16	3.566-13	7.749-01	2.089-01	4.670-03	1.012-04	1.502-05
-5.0	2.627-19	5.493-05	1.575-16	2.832-13	7.753-01	2.095-01	4.681-03	1.100-04	1.505-05
-4.8	1.652-19	4.674-05	1.061-16	2.248-13	7.747-01	2.102-01	4.692-03	1.182-04	1.508-05
-4.6	1.037-19	3.927-05	7.054-17	1.784-13	7.728-01	2.109-01	4.707-03	1.255-04	1.513-05
-4.4	6.500-20	3.257-05	4.622-17	1.415-13	7.692-01	2.119-01	4.727-03	1.318-04	1.519-05
-4.2	4.058-20	2.665-05	2.900-17	1.121-13	7.631-01	2.132-01	4.755-03	1.369-04	1.528-05
-4.0	2.520-20	2.149-05	1.885-17	8.868-14	7.536-01	2.150-01	4.795-03	1.407-04	1.541-05
-3.8	1.551-20	1.701-05	1.164-17	6.999-14	7.393-01	2.176-01	4.854-03	1.428-04	1.560-05
-3.6	9.438-21	1.314-05	6.959-18	5.503-14	7.190-01	2.212-01	4.935-03	1.427-04	1.586-05
-3.4	5.640-21	9.840-06	3.987-18	4.303-14	6.914-01	2.260-01	5.044-03	1.396-04	1.620-05
-3.2	3.311-21	7.066-06	2.163-18	3.339-14	6.559-01	2.321-01	5.184-03	1.328-04	1.665-05
-3.0	1.896-21	4.815-06	1.098-18	2.567-14	6.127-01	2.394-01	5.352-03	1.215-04	1.719-05
-2.8	1.060-21	3.087-06	5.171-19	1.953-14	5.629-01	2.478-01	5.546-03	1.061-04	1.782-05
-2.6	5.792-22	1.854-06	2.254-19	1.471-14	5.086-01	2.569-01	5.758-03	8.789-05	1.850-05
-2.4	3.106-22	1.046-06	9.140-20	1.097-14	4.520-01	2.663-01	5.979-03	6.900-05	1.921-05
-2.2	1.642-22	5.577-07	3.482-20	8.116-15	3.955-01	2.756-01	6.201-03	5.158-05	1.992-05
-2.0	8.584-23	2.844-07	1.263-20	5.965-15	3.412-01	2.842-01	6.415-03	3.702-05	2.060-05
-1.8	4.457-23	1.402-07	4.422-21	4.362-15	2.905-01	2.920-01	6.615-03	2.574-05	2.125-05
-1.6	2.304-23	6.746-08	1.511-21	3.176-15	2.445-01	2.987-01	6.799-03	1.746-05	2.184-05
-1.4	1.189-23	3.194-08	5.083-22	2.306-15	2.038-01	3.042-01	6.964-03	1.167-05	2.237-05
-1.2	6.132-24	1.498-08	1.696-22	1.672-15	1.685-01	3.082-01	7.110-03	7.712-06	2.284-05
-1.0	3.168-24	6.989-09	5.646-23	1.210-15	1.383-01	3.107-01	7.240-03	5.059-06	2.325-05
-.8	1.643-24	3.258-09	1.883-23	8.768-16	1.128-01	3.117-01	7.355-03	3.306-06	2.362-05
-.6	8.565-25	1.522-09	6.322-24	6.360-16	9.161-02	3.109-01	7.457-03	2.159-06	2.395-05
-.4	4.502-25	7.151-10	2.145-24	4.627-16	7.411-02	3.084-01	7.551-03	1.411-06	2.425-05
-.2	2.394-25	3.391-10	7.395-25	3.382-16	5.977-02	3.038-01	7.640-03	9.255-07	2.454-05
.0	1.292-25	1.629-10	2.603-25	2.489-16	4.810-02	2.969-01	7.726-03	6.105-07	2.482-05
.2	7.112-26	7.960-11	9.418-26	1.848-16	3.865-02	2.876-01	7.814-03	4.058-07	2.510-05
.4	4.013-26	3.976-11	3.526-26	1.387-16	3.102-02	2.756-01	7.906-03	2.724-07	2.539-05
.6	2.335-26	2.038-11	1.376-26	1.056-16	2.488-02	2.607-01	8.005-03	1.850-07	2.571-05
.8	1.408-26	1.077-11	5.631-27	8.172-17	1.994-02	2.431-01	8.110-03	1.272-07	2.605-05
1.0	8.847-27	5.878-12	2.429-27	6.435-17	1.596-02	2.230-01	8.223-03	8.857-08	2.641-05
1.2	5.812-27	3.321-12	1.108-27	5.158-17	1.276-02	2.011-01	8.340-03	6.238-08	2.679-05
1.4	4.004-27	1.942-12	5.344-28	4.205-17	1.017-02	1.781-01	8.461-03	4.432-08	2.718-05
1.6	2.903-27	1.174-12	2.725-28	3.480-17	8.073-03	1.547-01	8.580-03	3.163-08	2.756-05
1.8	2.226-27	7.332-13	1.467-28	2.916-17	6.364-03	1.318-01	8.697-03	2.254-08	2.794-05
2.0	1.826-27	4.732-13	8.367-29	2.465-17	4.962-03	1.097-01	8.809-03	1.589-08	2.830-05
2.2	1.640-27	3.169-13	5.107-29	2.096-17	3.804-03	8.895-02	8.916-03	1.095-08	2.864-05

T= 6200

LOG E	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	3.679-02	2.06694+00	2.16550+01	2.37220+01	8.03911+01	-5.32843+00	2.06695+00
-6.8	2.958-02	2.05154+00	2.12202+01	2.32717+01	7.90081+01	-5.13167+00	2.05155+00
-6.6	2.372-02	2.03919+00	2.08718+01	2.29110+01	7.77178+01	-4.93430+00	2.03919+00
-6.4	1.899-02	2.02928+00	2.05927+01	2.26220+01	7.65021+01	-4.73641+00	2.02928+00
-6.2	1.519-02	2.02131+00	2.03689+01	2.23902+01	7.53456+01	-4.53812+00	2.02131+00
-6.0	1.213-02	2.01485+00	2.01886+01	2.22035+01	7.42360+01	-4.33951+00	2.01486+00
-5.8	9.681-03	2.00956+00	2.00422+01	2.20518+01	7.31630+01	-4.14065+00	2.00956+00
-5.6	7.722-03	2.00510+00	1.99212+01	2.19263+01	7.21176+01	-3.94162+00	2.00510+00
-5.4	6.158-03	2.00117+00	1.98179+01	2.18191+01	7.10919+01	-3.74247+00	2.00117+00
-5.2	4.911-03	1.99744+00	1.97249+01	2.17223+01	7.00781+01	-3.54328+00	1.99744+00
-5.0	3.918-03	1.99353+00	1.96337+01	2.16272+01	6.90680+01	-3.34413+00	1.99353+00
-4.8	3.129-03	1.98896+00	1.95346+01	2.15236+01	6.80518+01	-3.14513+00	1.98896+00
-4.6	2.503-03	1.98307+00	1.94147+01	2.13978+01	6.70173+01	-2.94642+00	1.98307+00
-4.4	2.008-03	1.97495+00	1.92569+01	2.12319+01	6.59480+01	-2.74820+00	1.97495+00
-4.2	1.618-03	1.96340+00	1.90386+01	2.10020+01	6.48228+01	-2.55075+00	1.96340+00
-4.0	1.313-03	1.94687+00	1.87315+01	2.06784+01	6.36151+01	-2.35442+00	1.94687+00
-3.8	1.075-03	1.92363+00	1.83036+01	2.02272+01	6.22957+01	-2.15963+00	1.92363+00
-3.6	8.922-04	1.89208+00	1.77257+01	1.96178+01	6.08388+01	-1.96681+00	1.89209+00
-3.4	7.522-04	1.85132+00	1.69810+01	1.88323+01	5.92319+01	-1.77627+00	1.85133+00
-3.2	6.461-04	1.80167+00	1.60755+01	1.78771+01	5.74849+01	-1.58808+00	1.80167+00
-3.0	5.656-04	1.74490+00	1.50413+01	1.67862+01	5.56339+01	-1.40198+00	1.74490+00
-2.8	5.040-04	1.68390+00	1.39310+01	1.56149+01	5.37341+01	-1.21744+00	1.68389+00
-2.6	4.556-04	1.62194+00	1.28046+01	1.44265+01	5.18465+01	-1.03372+00	1.62193+00
-2.4	4.159-04	1.56199+00	1.17161+01	1.32781+01	5.00251+01	-8.50080-01	1.56198+00
-2.2	3.818-04	1.50626+00	1.07059+01	1.22122+01	4.83086+01	-6.65850-01	1.50625+00
-2.0	3.512-04	1.45607+00	9.79821+00	1.12543+01	4.67191+01	-4.80570-01	1.45605+00
-1.8	3.228-04	1.41193+00	9.00307+00	1.04150+01	4.52638+01	-2.93940-01	1.41190+00
-1.6	2.960-04	1.37382+00	8.31998+00	9.69380+00	4.39395+01	-1.05830-01	1.37377+00
-1.4	2.704-04	1.34128+00	7.74161+00	9.08288+00	4.27362+01	8.37600-02	1.34120+00
-1.2	2.461-04	1.31367+00	7.25682+00	8.57048+00	4.16403+01	2.74730-01	1.31355+00
-1.0	2.230-04	1.29024+00	6.85287+00	8.14311+00	4.06369+01	4.66920-01	1.29006+00
-.8	2.012-04	1.27024+00	6.51082+00	7.78706+00	3.97114+01	6.60130-01	1.26996+00
-.6	1.807-04	1.25292+00	6.23630+00	7.48922+00	3.88500+01	8.54170-01	1.25268+00
-.4	1.615-04	1.23759+00	5.99991+00	7.23750+00	3.80403+01	1.04882+00	1.23691+00
-.2	1.436-04	1.22364+00	5.79737+00	7.02101+00	3.72711+01	1.24390+00	1.22258+00
.0	1.268-04	1.21053+00	5.61958+00	6.83012+00	3.65328+01	1.43922+00	1.20887+00
.2	1.112-04	1.19787+00	5.45865+00	6.65652+00	3.58173+01	1.63465+00	1.19527+00
.4	9.663-05	1.18542+00	5.30807+00	6.49349+00	3.51180+01	1.83012+00	1.18135+00
.6	8.308-05	1.17320+00	5.16295+00	6.33615+00	3.44298+01	2.02562+00	1.16684+00
.8	7.056-05	1.16160+00	5.02028+00	6.18189+00	3.37495+01	2.22130+00	1.15165+00
1.0	5.914-05	1.15145+00	4.87907+00	6.03053+00	3.30758+01	2.41749+00	1.13590+00
1.2	4.892-05	1.14416+00	4.74015+00	5.88431+00	3.24084+01	2.61473+00	1.11987+00
1.4	3.998-05	1.14188+00	4.60559+00	5.74747+00	3.17477+01	2.81386+00	1.10395+00
1.6	3.240-05	1.14775+00	4.47806+00	5.62581+00	3.10934+01	3.01609+00	1.08852+00
1.8	2.615-05	1.16644+00	4.36004+00	5.52653+00	3.04432+01	3.22311+00	1.07389+00
2.0	2.120-05	1.20486+00	4.25376+00	5.45862+00	2.97917+01	3.43718+00	1.06024+00
2.2	1.749-05	1.27344+00	4.16063+00	5.43407+00	2.91294+01	3.66122+00	1.04751+00

T= 6300

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.709-04	2.854-10	5.404-08	8.146-10	3.304-19	8.719-19	1.504-17	1.640-07	3.902-10
-6.8	2.787-05	4.665-10	8.971-08	1.605-09	1.063-18	2.150-18	3.931-17	2.113-07	5.040-10
-6.6	4.519-05	7.579-10	1.456-07	3.123-09	3.246-18	5.579-18	1.019-16	2.710-07	6.476-10
-6.4	7.295-05	1.225-09	2.352-07	5.996-09	9.960-18	1.438-17	2.625-16	3.463-07	8.285-10
-6.2	1.173-04	1.973-09	3.784-07	1.136-08	3.001-17	3.687-17	6.727-16	4.409-07	1.056-09
-6.0	1.880-04	3.166-09	6.070-07	2.123-08	8.926-17	9.414-17	1.716-15	5.600-07	1.343-09
-5.8	3.006-04	5.068-09	9.711-07	3.910-08	2.615-16	2.395-16	4.364-15	7.097-07	1.705-09
-5.6	4.796-04	8.098-09	1.550-06	7.099-08	7.549-16	6.078-16	1.107-14	8.976-07	2.159-09
-5.4	7.630-04	1.292-08	2.471-06	1.270-07	2.144-15	1.539-15	2.799-14	1.133-06	2.731-09
-5.2	1.214-03	2.058-08	3.933-06	2.240-07	6.004-15	3.887-15	7.061-14	1.428-06	3.450-09
-5.0	1.925-03	3.278-08	6.249-06	3.89 -07	1.657-14	9.803-15	1.777-13	1.795-06	4.354-09
-4.8	3.046-03	5.216-08	9.917-06	6.691-07	4.515-14	2.468-14	4.462-13	2.251-06	5.492-09
-4.6	4.804-03	8.301-08	1.571-05	1.138-06	1.214-13	6.202-14	1.116-12	2.811-06	6.921-09
-4.4	7.542-03	1.322-07	2.484-05	1.902-06	3.220-13	1.558-13	2.779-12	3.491-06	8.716-09
-4.2	1.176-02	2.106-07	3.916-05	3.153-06	8.465-13	3.886-13	6.871-12	4.299-06	1.097-08
-4.0	1.817-02	3.302-07	6.149-05	5.173-06	2.207-12	9.675-13	1.683-11	5.229-06	1.378-08
-3.8	2.770-02	5.301-07	9.604-05	8.391-06	5.673-12	2.395-12	4.065-11	6.246-06	1.729-08
-3.6	4.144-02	8.663-07	1.489-04	1.344-05	1.440-11	5.883-12	9.637-11	7.277-06	2.163-08
-3.4	6.051-02	1.395-06	2.285-04	2.115-05	3.591-11	1.431-11	2.230-10	8.203-06	2.694-08
-3.2	8.576-02	2.261-06	3.464-04	3.284-05	8.752-11	3.436-11	5.006-10	8.876-06	3.336-08
-3.0	1.175-01	3.684-06	5.176-04	4.852-05	2.067-10	8.131-11	1.056-09	9.159-06	4.092-08
-2.8	1.553-01	6.027-06	7.610-04	6.944-05	4.683-10	1.893-10	2.273-09	8.987-06	4.970-08
-2.6	1.978-01	9.681-06	1.100-03	9.457-05	1.009-09	4.330-10	4.583-09	8.388-06	5.969-08
-2.4	2.424-01	1.621-05	1.563-03	1.220-04	2.061-09	9.734-10	8.924-09	7.674-06	7.090-08
-2.2	2.901-01	2.655-05	2.184-03	1.493-04	3.988-09	2.151-09	1.682-08	6.393-06	8.336-08
-2.0	3.360-01	4.337-05	3.003-03	1.742-04	7.355-09	4.677-09	3.079-08	5.282-06	9.713-08
-1.8	3.796-01	7.054-05	4.071-03	1.955-04	1.304-08	1.001-08	5.496-08	4.241-06	1.123-07
-1.6	4.198-01	1.141-04	5.446-03	2.129-04	2.240-08	2.113-08	9.506-08	3.328-06	1.289-07
-1.4	4.558-01	1.836-04	7.197-03	2.268-04	3.760-08	4.401-08	1.640-07	2.563-06	1.471-07
-1.2	4.873-01	2.934-04	9.408-03	2.376-04	6.199-08	9.054-08	2.759-07	1.946-06	1.669-07
-1.0	5.145-01	4.657-04	1.218-02	2.467-04	1.008-07	1.840-07	4.574-07	1.461-06	1.884-07
-.8	5.374-01	7.332-04	1.562-02	2.529-04	1.622-07	3.698-07	7.483-07	1.088-06	2.115-07
-.6	5.565-01	1.145-03	1.955-02	2.583-04	2.587-07	7.341-07	1.210-06	8.057-07	2.361-07
-.4	5.723-01	1.768-03	2.503-02	2.627-04	4.091-07	1.439-06	1.933-06	5.951-07	2.620-07
-.2	5.852-01	2.700-03	3.127-02	2.665-04	6.416-07	2.783-06	3.056-06	4.395-07	2.888-07
.0	5.957-01	4.063-03	3.870-02	2.699-04	9.975-07	5.296-06	4.775-06	3.254-07	3.162-07
.2	6.043-01	6.011-03	4.741-02	2.727-04	1.536-06	9.901-06	7.373-06	2.423-07	3.433-07
.4	6.115-01	8.710-03	5.740-02	2.754-04	2.330-06	1.813-05	1.124-05	1.821-07	3.694-07
.6	6.176-01	1.232-02	6.860-02	2.778-04	3.515-06	3.246-05	1.688-05	1.386-07	3.937-07
.8	6.231-01	1.696-02	8.082-02	2.799-04	5.207-06	5.667-05	2.498-05	1.072-07	4.153-07
1.0	6.283-01	2.264-02	9.375-02	2.816-04	7.593-06	9.648-05	3.637-05	8.467-08	4.340-07
1.2	6.333-01	2.929-02	1.070-01	2.825-04	1.089-05	1.605-04	5.206-05	6.843-08	4.498-07
1.4	6.383-01	3.671-02	1.202-01	2.823-04	1.536-05	2.622-04	7.330-05	5.682-08	4.636-07
1.6	6.432-01	4.462-02	1.328-01	2.807-04	2.132-05	4.247-04	1.015-04	4.866-08	4.778-07
1.8	6.481-01	5.272-02	1.446-01	2.770-04	2.920-05	6.922-04	1.385-04	4.327-08	4.963-07
2.0	6.529-01	6.071-02	1.553-01	2.707-04	3.960-05	1.161-03	1.862-04	4.037-08	5.263-07
2.2	6.576-01	6.830-02	1.646-01	2.608-04	5.335-05	2.074-03	2.466-04	4.028-08	5.811-07

T= 6300

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.012-24	3.702-06	9.168-11	2.121-10	3.484-02	4.500-16	1.036-02	2.131-20	5.645-05
-6.8	1.244-23	4.777-06	1.427-10	2.739-10	2.805-02	2.863-16	8.353-03	1.357-20	4.513-05
-6.6	2.555-23	6.132-06	2.196-10	3.520-10	2.253-02	1.818-16	6.713-03	8.628-21	3.603-05
-6.4	5.219-23	7.839-06	3.337-10	4.505-10	1.805-02	1.153-16	5.382-03	5.475-21	2.874-05
-6.2	1.061-22	9.985-06	5.006-10	5.748-10	1.443-02	7.302-17	4.307-03	3.470-21	2.290-05
-6.0	2.149-22	1.269-05	7.413-10	7.315-10	1.152-02	4.620-17	3.440-03	2.196-21	1.824-05
-5.8	4.342-22	1.610-05	1.082-09	9.292-10	9.186-03	2.920-17	2.745-03	1.389-21	1.451-05
-5.6	8.751-22	2.037-05	1.558-09	1.179-09	7.316-03	1.843-17	2.188-03	8.777-22	1.154-05
-5.4	1.761-21	2.575-05	2.210-09	1.493-09	5.821-03	1.163-17	1.742-03	5.542-22	9.176-06
-5.2	3.540-21	3.248-05	3.091-09	1.891-09	4.626-03	7.329-18	1.386-03	3.497-22	7.293-06
-5.0	7.111-21	4.092-05	4.262-09	2.393-09	3.672-03	4.612-18	1.103-03	2.205-22	5.794-06
-4.8	1.428-20	5.146-05	5.798-09	3.030-09	2.911-03	2.898-18	8.766-04	1.389-22	4.603-06
-4.6	2.871-20	6.456-05	7.786-09	3.839-09	2.302-03	1.815-18	6.965-04	8.743-23	3.655-06
-4.4	5.779-20	8.074-05	1.032-08	4.873-09	1.816-03	1.133-18	5.531-04	5.493-23	2.901-06
-4.2	1.167-19	1.005-04	1.351-08	6.205-09	1.425-03	7.021-19	4.369-04	3.442-23	2.302-06
-4.0	2.366-19	1.242-04	1.745-08	7.934-09	1.112-03	4.312-19	3.480-04	2.149-23	1.825-06
-3.8	4.833-19	1.521-04	2.219-08	1.023-08	8.586-04	2.611-19	2.754-04	1.333-23	1.444-06
-3.6	9.971-19	1.836-04	2.767-08	1.332-08	6.541-04	1.549-19	2.174-04	8.200-24	1.140-06
-3.4	2.085-18	2.176-04	3.363-08	1.758-08	4.892-04	8.949-20	1.709-04	4.978-24	8.967-07
-3.2	4.430-18	2.518-04	3.950-08	2.358-08	3.573-04	4.992-20	1.335-04	2.970-24	7.010-07
-3.0	9.599-18	2.833-04	4.436-08	3.222-08	2.539-04	2.673-20	1.035-04	1.734-24	5.436-07
-2.8	2.114-17	3.093-04	4.713-08	4.486-08	1.751-04	1.369-20	7.937-05	9.886-25	4.174-07
-2.6	4.734-17	3.275-04	4.702-08	6.348-08	1.171-04	6.715-21	6.023-05	5.499-25	3.172-07
-2.4	1.076-16	3.369-04	4.393-08	9.098-08	7.614-05	3.164-21	4.522-05	2.992-25	2.385-07
-2.2	2.453-16	3.379-04	3.858-08	1.315-07	4.828-05	1.442-21	3.361-05	1.598-25	1.777-07
-2.0	5.625-16	3.315-04	3.211-08	1.907-07	2.997-05	6.392-22	2.478-05	8.415-26	1.313-07
-1.8	1.289-15	3.194-04	2.562-08	2.767-07	1.828-05	2.776-22	1.814-05	4.385-26	9.647-08
-1.6	2.946-15	3.031-04	1.980-08	4.007-07	1.100-05	1.187-22	1.320-05	2.268-26	7.051-08
-1.4	6.695-15	2.842-04	1.496-08	5.780-07	6.543-06	5.021-23	9.557-06	1.168-26	5.135-08
-1.2	1.511-14	2.638-04	1.113-08	8.292-07	3.859-06	2.108-23	6.892-06	5.995-27	3.730-08
-1.0	3.384-14	2.428-04	8.197-09	1.182-06	2.262-06	8.816-24	4.953-06	3.073-27	2.706-08
-.8	7.507-14	2.220-04	6.003-09	1.674-06	1.321-06	3.682-24	3.550-06	1.576-27	1.963-08
-.6	1.647-13	2.018-04	4.385-09	2.353-06	7.693-07	1.540-24	2.539-06	8.094-28	1.425-08
-.4	3.564-13	1.827-04	3.204-09	3.276-06	4.401-07	6.475-25	1.813-06	4.171-28	1.038-08
-.2	7.494-13	1.649-04	2.347-09	4.513-06	2.616-07	2.744-25	1.293-06	2.160-28	7.587-09
.0	1.547-12	1.484-04	1.728-09	6.139-06	1.534-07	1.177-25	9.219-07	1.127-28	5.584-09
.2	3.237-12	1.335-04	1.283-09	8.221-06	9.058-08	5.138-26	6.576-07	5.937-29	4.147-09
.4	6.417-12	1.200-04	9.621-10	1.080-05	5.406-08	2.293-26	4.698-07	3.170-29	3.116-09
.6	1.230-11	1.081-04	7.314-10	1.389-05	3.272-08	1.052-26	3.369-07	1.721-29	2.376-09
.8	2.271-11	9.768-05	5.655-10	1.742-05	2.014-08	4.995-27	2.420-07	9.542-30	1.845-09
1.0	4.027-11	8.873-05	4.456-10	2.128-05	1.266-08	2.465-27	1.750-07	5.417-30	1.464-09
1.2	6.865-11	8.123-05	3.588-10	2.531-05	8.144-09	1.269-27	1.276-07	3.158-30	1.189-09
1.4	1.130-10	7.519-05	2.958-10	2.941-05	5.381-09	6.833-28	9.395-08	1.895-30	9.910-10
1.6	1.814-10	7.071-05	2.505-10	3.360-05	3.665-09	3.855-28	7.022-08	1.173-30	8.511-10
1.8	2.886-10	6.808-05	2.189-10	3.814-05	2.588-09	2.285-28	5.361-08	7.512-31	7.569-10
2.0	4.660-10	6.792-05	1.991-10	4.370-05	1.914-09	1.431-28	4.225-08	.000+00	7.036-10
2.2	7.911-10	7.167-05	1.916-10	5.179-05	1.510-09	9.630-29	3.501-08	.000+00	6.952-10

T= 6300

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	6.438-17	1.352-04	6.750-15	4.341-12	7.139-01	1.908-01	4.422-03	2.300-05	1.438-05
-6.8	4.067-17	1.314-04	5.182-15	3.462-12	7.276-01	1.947-01	4.475-03	2.826-05	1.452-05
-6.6	2.568-17	1.265-04	3.945-15	2.758-12	7.387-01	1.978-01	4.517-03	3.442-05	1.463-05
-6.4	1.621-17	1.204-04	2.974-15	2.196-12	7.477-01	2.004-01	4.552-03	4.141-05	1.471-05
-6.2	1.023-17	1.134-04	2.217-15	1.748-12	7.550-01	2.025-01	4.580-03	4.923-05	1.479-05
-6.0	6.456-18	1.055-04	1.634-15	1.390-12	7.608-01	2.041-01	4.603-03	5.779-05	1.484-05
-5.8	4.072-18	9.692-05	1.189-15	1.105-12	7.654-01	2.055-01	4.622-03	6.694-05	1.489-05
-5.6	2.568-18	8.769-05	8.538-16	8.787-13	7.689-01	2.066-01	4.637-03	7.648-05	1.493-05
-5.4	1.619-18	7.832-05	6.047-16	6.982-13	7.716-01	2.075-01	4.650-03	8.616-05	1.496-05
-5.2	1.020-18	6.899-05	4.224-16	5.547-13	7.735-01	2.083-01	4.661-03	9.573-05	1.499-05
-5.0	6.426-19	5.995-05	2.910-16	4.406-13	7.745-01	2.090-01	4.672-03	1.049-04	1.502-05
-4.8	4.046-19	5.141-05	1.977-16	3.499-13	7.747-01	2.096-01	4.683-03	1.135-04	1.506-05
-4.6	2.545-19	4.352-05	1.326-16	2.778-13	7.738-01	2.103-01	4.696-03	1.214-04	1.509-05
-4.4	1.598-19	3.639-05	8.771-17	2.205-13	7.714-01	2.112-01	4.713-03	1.283-04	1.515-05
-4.2	1.001-19	3.005-05	5.719-17	1.740-13	7.671-01	2.122-01	4.735-03	1.342-04	1.522-05
-4.0	6.249-20	2.448-05	3.669-17	1.386-13	7.599-01	2.137-01	4.768-03	1.389-04	1.532-05
-3.8	3.878-20	1.984-05	2.307-17	1.097-13	7.488-01	2.158-01	4.815-03	1.421-04	1.547-05
-3.6	2.385-20	1.595-05	1.414-17	8.661-14	7.324-01	2.188-01	4.881-03	1.436-04	1.568-05
-3.4	1.448-20	1.285-05	8.379-18	6.811-14	7.096-01	2.228-01	4.972-03	1.427-04	1.597-05
-3.2	8.646-21	8.787-06	4.744-18	5.324-14	6.791-01	2.280-01	5.092-03	1.386-04	1.636-05
-3.0	5.053-21	6.231-06	2.535-18	4.129-14	6.406-01	2.346-01	5.243-03	1.305-04	1.684-05
-2.8	2.883-21	4.182-06	1.264-18	3.170-14	5.948-01	2.424-01	5.422-03	1.179-04	1.742-05
-2.6	1.606-21	2.636-06	5.840-19	2.409-14	5.432-01	2.510-01	5.624-03	1.015-04	1.806-05
-2.4	8.752-22	1.556-06	2.499-19	1.811-14	4.877-01	2.603-01	5.840-03	8.273-05	1.876-05
-2.2	4.685-22	8.641-07	9.971-20	1.349-14	4.309-01	2.696-01	6.063-03	6.401-05	1.947-05
-2.0	2.474-22	4.551-07	3.751-20	9.975-15	3.750-01	2.786-01	6.282-03	4.726-05	2.018-05
-1.8	1.293-22	2.299-07	1.349-20	7.326-15	3.218-01	2.869-01	6.492-03	3.358-05	2.085-05
-1.6	6.721-23	1.126-07	4.696-21	5.355-15	2.728-01	2.942-01	6.687-03	2.318-05	2.148-05
-1.4	3.480-23	5.397-08	1.601-21	3.899-15	2.288-01	3.003-01	6.865-03	1.566-05	2.205-05
-1.2	1.800-23	2.552-08	5.387-22	2.832-15	1.901-01	3.050-01	7.024-03	1.043-05	2.256-05
-1.0	9.313-24	1.197-08	1.803-22	2.054-15	1.567-01	3.083-01	7.165-03	6.881-06	2.301-05
-.8	4.833-24	5.597-09	6.032-23	1.490-15	1.283-01	3.099-01	7.290-03	4.513-06	2.342-05
-.6	2.521-24	2.619-09	2.027-23	1.082-15	1.045-01	3.099-01	7.402-03	2.953-06	2.377-05
-.4	1.325-24	1.231-09	6.877-24	7.871-16	8.473-C2	3.080-01	7.503-03	1.932-06	2.410-05
-.2	7.035-25	5.831-10	2.366-24	5.752-16	6.847-C2	3.042-01	7.597-03	1.268-06	2.440-05
.0	3.790-25	2.795-10	8.303-25	4.229-16	5.518-02	2.981-01	7.688-03	8.355-07	2.469-05
.2	2.081-25	1.362-10	2.991-25	3.135-16	4.439-C2	2.895-01	7.778-03	5.546-07	2.498-05
.4	1.170-25	6.771-11	1.113-25	2.350-16	3.565-C2	2.783-01	7.871-03	3.714-07	2.528-05
.6	6.782-26	3.453-11	4.313-26	1.785-16	2.861-C2	2.643-01	7.970-03	2.515-07	2.560-05
.8	4.073-26	1.813-11	1.752-26	1.378-16	2.293-C2	2.475-01	8.075-03	1.723-07	2.594-05
1.0	2.548-26	9.841-12	7.499-27	1.082-16	1.836-C2	2.281-01	8.187-03	1.196-07	2.630-05
1.2	1.668-26	5.528-12	3.396-27	8.655-17	1.468-02	2.067-01	8.305-03	8.392-08	2.668-05
1.4	1.147-26	3.217-12	1.630-27	7.045-17	1.171-C2	1.839-01	8.426-03	5.945-08	2.706-05
1.6	8.315-27	1.938-12	8.288-28	5.826-17	9.293-03	1.605-01	8.548-03	4.233-08	2.745-05
1.8	6.392-27	1.208-12	4.466-28	4.882-17	7.327-03	1.373-01	8.667-03	3.011-08	2.784-05
2.0	5.273-27	7.803-13	2.559-28	4.132-17	5.715-03	1.148-01	8.782-03	2.122-08	2.821-05
2.2	4.784-27	5.241-13	1.579-28	3.524-17	4.383-03	9.342-02	8.892-03	1.464-08	2.856-05

T= 6300

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.540-02	2.08558+00	2.18962+01	2.39818+01	8.C58C6+01	-5.31758+00	2.08559+00
-6.8	3.659-02	2.06649+00	2.13652+01	2.34317+01	7.94936+01	-5.12157+00	2.06650+00
-6.6	2.941-02	2.05117+00	2.09392+01	2.29904+01	7.81197+01	-4.92480+00	2.05118+00
-6.4	2.359-02	2.03688+00	2.05978+01	2.26367+01	7.69366+01	-4.72741+00	2.03889+00
-6.2	1.888-02	2.02901+00	2.03242+01	2.23532+01	7.56264+01	-4.52952+00	2.02902+00
-6.0	1.510-02	2.02106+00	2.01046+01	2.21256+01	7.44743+01	-4.33123+00	2.02107+00
-5.8	1.206-02	2.01461+00	1.99274+01	2.19420+01	7.33679+01	-4.13261+00	2.01461+00
-5.6	9.625-03	2.00928+00	1.97829+01	2.17922+01	7.22969+01	-3.93376+00	2.00929+00
-5.4	7.677-03	2.00476+00	1.96628+01	2.16675+01	7.12525+01	-3.73474+00	2.00476+00
-5.2	6.123-03	2.00070+00	1.95590+01	2.15597+01	7.02265+01	-3.53562+00	2.00071+00
-5.0	4.884-03	1.99676+00	1.94638+01	2.14605+01	6.92106+01	-3.33648+00	1.99677+00
-4.8	3.897-03	1.99252+00	1.93681+01	2.13606+01	6.81966+01	-3.13740+00	1.99253+00
-4.6	3.113-03	1.98743+00	1.92612+01	2.12486+01	6.71732+01	-2.93851+00	1.98743+00
-4.4	2.492-03	1.98073+00	1.91288+01	2.11096+01	6.61270+01	-2.73998+00	1.98074+00
-4.2	2.002-03	1.97143+00	1.89521+01	2.09235+01	6.50402+01	-2.54203+00	1.97142+00
-4.0	1.615-03	1.95815+00	1.87065+01	2.06644+01	6.38896+01	-2.34496+00	1.95815+00
-3.8	1.313-03	1.93928+00	1.83622+01	2.03014+01	6.26476+01	-2.14916+00	1.93928+00
-3.6	1.079-03	1.91307+00	1.78877+01	1.98020+01	6.12858+01	-1.95507+00	1.91308+00
-3.4	8.986-04	1.87812+00	1.72576+01	1.91357+01	5.97824+01	-1.76308+00	1.87812+00
-3.2	7.610-04	1.83390+00	1.64626+01	1.82965+01	5.81324+01	-1.57343+00	1.83390+00
-3.0	6.567-04	1.78128+00	1.55182+01	1.72995+01	5.63553+01	-1.38607+00	1.78128+00
-2.8	5.774-04	1.72253+00	1.44647+01	1.61872+01	5.44948+01	-1.20064+00	1.72252+00
-2.6	5.162-04	1.66074+00	1.33581+01	1.50185+01	5.26093+01	-1.01650+00	1.66074+00
-2.4	4.676-04	1.59918+00	1.22567+01	1.38559+01	5.07573+01	-8.32910-01	1.59917+00
-2.2	4.272-04	1.54054+00	1.12093+01	1.27499+01	4.89872+01	-6.49130-01	1.54052+00
-2.0	3.921-04	1.48669+00	1.02496+01	1.17363+01	4.73307+01	-4.64580-01	1.48667+00
-1.8	3.602-04	1.43865+00	9.39594+00	1.C8346+01	4.58037+01	-2.78850-01	1.43862+00
-1.6	3.306-04	1.39669+00	8.65385+00	1.00505+01	4.44090+01	-9.17000-02	1.39665+00
-1.4	3.026-04	1.36061+00	8.01990+00	9.38C51+00	4.31404+01	9.69300-02	1.36053+00
-1.2	2.759-04	1.32985+00	7.48514+00	8.81499+00	4.19863+01	2.87000-01	1.32974+00
-1.0	2.505-04	1.30372+00	7.03775+00	8.34148+00	4.09327+01	4.78380-01	1.30355+00
-.8	2.265-04	1.28147+00	6.66495+00	7.94641+00	3.99648+01	6.70900-01	1.28119+00
-.6	2.039-04	1.26231+00	6.35405+00	7.61636+00	3.90683+01	8.64360-01	1.26188+00
-.4	1.826-04	1.24554+00	6.09314+00	7.33868+00	3.82300+01	1.05855+00	1.24486+00
-.2	1.627-04	1.23049+00	5.87133+00	7.10182+00	3.74381+01	1.25327+00	1.22943+00
.0	1.440-04	1.21660+00	5.67890+00	6.89550+00	3.66823+01	1.44834+00	1.21494+00
.2	1.266-04	1.20341+00	5.50735+00	6.71076+00	3.59535+01	1.64361+00	1.20080+00
.4	1.103-04	1.19064+00	5.34953+00	6.54017+00	3.52445+01	1.83898+00	1.18656+00
.6	9.512-05	1.17826+00	5.19987+00	6.37813+00	3.45494+01	2.03444+00	1.17188+00
.8	8.105-05	1.16658+00	5.05459+00	6.22117+00	3.38643+01	2.23011+00	1.15660+00
1.0	6.816-05	1.15636+00	4.91193+00	6.C6829+00	3.31868+01	2.42629+00	1.14077+00
1.2	5.658-05	1.14835+00	4.77200+00	5.92095+00	3.25162+01	2.62350+00	1.12461+00
1.4	4.640-05	1.14648+00	4.63635+00	5.78283+00	3.18523+01	2.82256+00	1.10846+00
1.6	3.772-05	1.15207+00	4.50734+00	5.65941+00	3.11944+01	3.02467+00	1.09271+00
1.8	3.054-05	1.17039+00	4.38743+00	5.55782+00	3.0540+01	3.23152+00	1.07768+00
2.0	2.483-05	1.20838+00	4.27874+00	5.48712+00	2.98849+01	3.44540+00	1.06356+00
2.2	2.054-05	1.27648+00	4.18299+00	5.45947+00	2.9218+01	3.66921+00	1.05033+00

T= 6400

LOG P	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.248-05	2.405-10	4.416-08	5.164-10	1.602-19	6.030-19	1.041-17	1.567-07	3.859-10
-6.8	2.050-05	3.953-10	7.264-08	1.027-09	5.758-19	1.592-18	2.747-17	2.031-07	5.011-10
-6.6	3.343-05	6.464-10	1.186-07	2.016-09	1.810-18	4.162-18	7.175-17	2.618-07	6.468-10
-6.4	5.420-05	1.050-09	1.923-07	3.905-09	5.604-18	1.079-17	1.859-16	3.357-07	8.306-10
-6.2	8.747-05	1.696-09	3.106-07	7.463-09	1.709-17	2.780-17	4.7[illegible]-16	4.288-07	1.062-09
-6.0	1.406-04	2.729-09	4.996-07	1.407-08	5.131-17	7.126-17	1.226-15	5.459-07	1.354-09
-5.8	2.254-04	4.379-09	8.011-07	2.614-08	1.517-16	1.819-16	3.128-15	6.933-07	1.721-09
-5.6	3.603-04	7.008-09	1.281-06	4.787-08	4.419-16	4.626-16	7.951-15	8.785-07	2.183-09
-5.4	5.747-04	1.119-08	2.046-06	8.639-08	1.267-15	1.173-15	2.015-14	1.111-06	2.765-09
-5.2	9.169-04	1.786-08	3.260-06	1.537-07	3.579-15	2.969-15	5.089-14	1.402-06	3.497-09
-5.0	1.453-03	2.845-08	5.186-06	2.694-07	9.963-15	7.500-15	1.285-13	1.766-06	4.418-09
-4.8	2.304-03	4.530-08	8.239-06	4.660-07	2.735-14	1.891-14	3.232-13	2.219-06	5.577-09
-4.6	3.642-03	7.211-08	1.307-05	7.998-07	7.409-14	4.758-14	8.106-13	2.780-06	7.034-09
-4.4	5.736-03	1.148-07	2.089-05	1.363-06	1.983-13	1.195-13	2.028-12	3.466-06	8.865-09
-4.2	8.995-03	1.806-07	3.269-05	2.241-06	5.248-13	2.993-13	5.030-12	4.294-06	1.117-08
-4.0	1.397-02	2.815-07	5.166-05	3.699-06	1.373-12	7.471-13	1.240-11	5.269-06	1.405-08
-3.8	2.166-02	4.656-07	8.067-05	6.044-06	3.557-12	1.856-12	3.072-11	6.373-06	1.766-08
-3.6	3.252-02	7.665-07	1.257-04	9.762-06	9.104-12	4.583-12	7.251-11	7.555-06	2.216-08
-3.4	4.823-02	1.201-06	1.961-04	1.555-05	2.298-11	1.122-11	1.704-10	8.711-06	2.772-08
-3.2	6.969-02	1.942-06	2.986-04	2.432-05	5.694-11	2.715-11	3.898-10	9.691-06	3.452-08
-3.0	9.745-02	3.154-06	4.471-04	3.709-05	1.376-10	6.484-11	8.640-10	1.032-05	4.269-08
-2.8	1.317-01	5.147-06	6.639-04	5.666-05	3.210-10	1.524-10	1.668-09	1.047-05	5.232-08
-2.6	1.715-01	8.428-06	9.695-04	7.709-05	7.166-10	3.524-10	3.811-09	1.010-05	6.343-08
-2.4	2.154-01	1.382-05	1.392-03	1.033-C4	1.519-09	8.005-10	7.576-09	9.274-06	7.602-08
-2.2	2.617-01	2.266-05	1.964-03	1.310-C4	3.048-09	1.787-09	1.456-08	8.144-06	9.009-08
-2.0	3.083-01	3.706-05	2.726-03	1.578-C4	5.804-09	3.921-09	2.711-08	6.879-06	1.057-07
-1.8	3.534-01	6.061-05	3.727-03	1.817-C4	1.056-08	8.467-09	4.909-08	5.625-06	1.229-07
-1.6	3.958-01	9.759-05	5.022-03	2.018-C4	1.851-08	1.801-08	8.675-08	4.479-06	1.417-07
-1.4	4.343-01	1.581-04	6.682-03	2.181-C4	3.152-08	3.777-08	1.501-07	3.491-06	1.623-07
-1.2	4.686-01	2.533-04	8.786-03	2.309-C4	5.254-08	7.819-08	2.548-07	2.675-06	1.848-07
-1.0	4.983-01	4.032-04	1.143-02	2.410-C4	8.613-08	1.598-07	4.258-07	2.024-06	2.092-07
-.8	5.237-01	6.367-04	1.473-02	2.489-C4	1.396-07	3.228-07	7.012-07	1.516-06	2.355-07
-.6	5.451-01	9.969-04	1.880-02	2.552-C4	2.233-07	6.439-07	1.140-06	1.128-06	2.636-07
-.4	5.628-01	1.545-03	2.378-02	2.603-C4	3.545-07	1.268-06	1.832-06	8.358-07	2.933-07
-.2	5.774-01	2.366-03	2.982-02	2.645-C4	5.570-07	2.466-06	2.908-06	6.187-07	3.242-07
.0	5.893-01	3.579-03	3.703-02	[illegible]	8.701-07	4.715-06	4.565-06	4.587-07	3.560-07
.2	5.990-01	5.321-03	4.552-02	2.714-C4	1.344-06	8.886-06	7.079-06	3.417-07	3.879-07
.4	6.070-01	7.757-03	5.533-02	2.743-C4	2.054-06	1.636-05	1.084-05	2.567-07	4.191-07
.6	6.138-01	1.105-02	6.639-02	2.769-C4	3.100-06	2.947-05	1.635-05	1.952-07	4.487-07
.8	6.197-01	1.532-02	7.855-02	2.793-C4	4.615-06	5.187-05	2.431-05	1.508-07	4.760-07
1.0	6.252-01	2.066-02	9.153-02	2.811-C4	6.764-06	8.910-05	3.556-05	1.188-07	5.004-07
1.2	6.304-01	2.694-02	1.050-01	2.824-C4	9.754-06	1.496-04	5.115-05	9.585-08	5.221-07
1.4	6.355-01	3.408-02	1.184-01	2.826-C4	1.384-05	2.466-04	7.235-05	7.946-08	5.422-07
1.6	6.405-01	4.179-02	1.315-01	2.815-C4	1.933-05	4.030-04	1.007-04	6.799-08	5.632-07
1.8	6.454-01	4.979-02	1.438-01	2.785-C4	2.665-05	6.624-04	1.379-04	6.044-08	5.878-07
2.0	6.503-01	5.778-02	1.550-01	2.729-C4	3.637-05	1.120-03	1.860-04	5.645-08	6.307-07
2.2	6.552-01	6.546-02	1.648-01	2.640-C4	4.934-05	2.013-03	2.473-04	5.647-08	7.030-07

T= 6400

LOG P	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	7.096-24	3.215-06	9.210-11	2.411-10	4.205-02	1.074-15	1.242-02	4.345-20	7.269-05
-6.8	1.490-23	6.172-06	1.132-10	3.131-10	3.662-02	6.851-16	1.005-02	2.773-20	5.820-05
-6.6	3.059-23	5.380-06	1.755-10	4.041-10	2.787-02	4.359-16	8.096-03	1.766-20	4.654-05
-6.4	6.280-23	6.904-06	2.689-10	5.190-10	2.238-02	2.768-16	6.505-03	1.122-20	3.716-05
-6.2	1.282-22	8.824-06	4.066-10	6.640-10	1.793-02	1.756-16	5.214-03	7.121-21	2.964-05
-6.0	2.605-22	1.124-05	6.073-10	8.470-10	1.434-02	1.112-16	4.171-03	4.512-21	2.362-05
-5.8	5.275-22	1.420-05	8.941-10	1.078-09	1.144-02	7.034-17	3.332-03	2.856-21	1.881-05
-5.6	1.065-21	1.811-05	1.296-09	1.369-09	9.125-03	4.445-17	2.658-03	1.806-21	1.497-05
-5.4	2.147-21	2.292-05	1.857-09	1.736-09	7.267-03	2.807-17	2.119-03	1.141-21	1.190-05
-5.2	4.320-21	2.895-05	2.619-09	2.199-09	5.781-03	1.771-17	1.687-03	7.207-22	9.466-06
-5.0	8.682-21	3.652-05	3.640-09	2.784-09	4.594-03	1.116-17	1.343-03	4.548-22	7.524-06
-4.8	1.744-20	4.600-05	4.992-09	3.525-09	3.646-03	7.021-18	1.068-03	2.868-22	5.979-06
-4.6	3.504-20	5.782-05	6.754-09	4.463-09	2.888-03	4.408-18	8.490-04	1.807-22	4.750-06
-4.4	7.046-20	7.248-05	9.024-09	5.658-09	2.283-03	2.768-18	6.747-04	1.137-22	3.773-06
-4.2	1.419-19	9.054-05	1.191-08	7.188-09	1.799-03	1.719-18	5.359-04	7.145-23	2.996-06
-4.0	2.869-19	1.125-04	1.552-08	9.164-09	1.410-03	1.064-18	4.254-04	4.477-23	2.377-06
-3.8	5.828-19	1.387-04	1.994-08	1.175-08	1.097-03	6.511-19	3.373-04	2.794-23	1.885-06
-3.6	1.193-18	1.692-04	2.522-08	1.517-08	8.438-04	3.924-19	2.670-04	1.732-23	1.492-06
-3.4	2.470-18	2.032-04	3.123-08	1.982-08	6.395-04	2.313-19	2.108-04	1.064-23	1.179-06
-3.2	5.186-18	2.391-04	3.763-08	2.627-08	4.751-04	1.324-19	1.657-04	6.442-24	9.268-07
-3.0	1.107-17	2.745-04	4.369-08	3.541-08	3.443-04	7.310-20	1.294-04	3.831-24	7.241-07
-2.8	2.408-17	3.061-04	4.835-08	4.863-08	2.424-04	3.868-20	1.001-04	2.228-24	5.610-07
-2.6	5.328-17	3.309-04	5.049-08	6.798-08	1.656-04	1.958-20	7.669-05	1.265-24	4.301-07
-2.4	1.197-16	3.472-04	4.943-08	9.649-08	1.098-04	9.495-21	5.808-05	7.006-25	3.263-07
-2.2	2.717-16	3.542-04	4.533-08	1.385-07	7.081-05	4.432-21	4.352-05	3.799-25	2.450-07
-2.0	6.107-16	3.525-04	3.916-08	2.002-07	4.459-05	2.004-21	3.229-05	2.024-25	1.823-07
-1.8	1.421-15	3.437-04	3.216-08	2.900-07	2.752-05	8.837-22	2.377-05	1.064-25	1.346-07
-1.6	3.248-15	3.294-04	2.540-08	4.201-07	1.671-05	3.823-22	1.737-05	5.562-26	9.878-08
-1.4	7.394-15	3.113-04	1.949-08	6.087-07	1.002-05	1.631-22	1.262-05	2.867-26	7.218-08
-1.2	1.673-14	2.908-04	1.466-08	8.722-07	5.945-06	6.896-23	9.131-06	1.477-26	5.257-08
-1.0	3.758-14	2.690-04	1.088-08	1.247-06	3.501-06	2.898-23	6.579-06	7.594-27	3.821-08
-.8	8.363-14	2.470-04	8.011-09	1.770-06	2.052-06	1.215-23	4.725-06	3.902-27	2.776-08
-.6	1.841-13	2.254-04	5.872-09	2.495-06	1.198-06	5.094-24	3.385-06	2.007-27	2.017-08
-.4	4.003-13	2.047-04	4.299-09	3.485-06	6.993-07	2.145-24	2.421-06	1.035-27	1.469-08
-.2	8.569-13	1.852-04	3.152-09	4.818-06	4.087-07	9.093-25	1.729-06	5.365-28	1.075-08
.0	1.801-12	1.671-04	2.322-09	6.579-06	2.397-07	3.899-25	1.234 06	2.800-28	7.904-09
.2	3.699-12	1.505-04	1.722-09	8.851-06	1.415-07	1.699-25	8.815-07	1.475-28	5.863-09
.4	7.394-12	1.356-04	1.291-09	1.170-C5	8.440-08	7.564-26	6.305-07	7.876-29	4.399-09
.6	1.431-11	1.223-04	9.800-10	1.513-C5	5.099-08	3.461-26	4.521-07	4.276-29	3.348-09
.8	2.671-11	1.108-04	7.563-10	1.912-C5	3.133-08	1.637-26	3.256-07	2.370-29	2.594-09
1.0	4.794-11	1.008-04	5.951-10	2.352-C5	1.964-08	8.047-27	2.359-07	1.346-29	2.052-09
1.2	8.273-11	9.250-05	4.786-10	2.820-C5	1.261-08	4.130-27	1.723-07	7.856-30	1.663-09
1.4	1.379-10	8.584-05	3.944-10	3.303-C5	8.315-C9	2.220-27	1.273-07	4.726-30	1.384-09
1.6	2.240-10	8.097-05	3.342-10	3.807-C5	5.654-C9	1.252-27	9.539-08	2.937-30	1.188-09
1.8	3.604-10	7.821-05	2.927-10	4.346-C5	3.589-C9	7.437-28	7.306-08	1.893-30	1.056-09
2.0	5.876-10	7.832-05	2.673-10	5.013-C5	2.949-09	4.684-28	5.779-09	1.276-30	9.829-10
2.2	1.008-09	8.300-05	2.588-10	5.980-C5	2.327-C9	3.184-28	4.808-08	.000+00	9.738-10

T= 6600

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	1.524-18	1.363-04	1.137-14	6.628-12	6.680-01	1.866-01	4.358-03	2.026-05	1.423-05
-6.8	9.632-17	1.332-04	8.774-15	5.290-12	7.146-01	1.912-01	4.423-03	2.510-05	1.439-05
-6.6	6.088-17	1.290-04	6.714-15	4.218-12	7.281-01	1.950-01	4.475-03	3.076-05	1.452-05
-6.4	3.864-17	1.237-04	5.091-15	3.361-12	7.391-01	1.981-01	4.518-03	3.728-05	1.463-05
-6.2	2.427-17	1.173-04	3.821-15	2.676-12	7.481-01	2.006-01	4.553-03	4.465-05	1.472-05
-6.0	1.532-17	1.099-04	2.835-15	2.130-12	7.552-01	2.027-01	4.581-03	5.282-05	1.479-05
-5.8	9.665-18	1.016-04	2.078-15	1.694-12	7.610-01	2.043-01	4.604-03	6.167-05	1.485-05
-5.6	6.097-18	9.277-05	1.504-15	1.347-12	7.655-01	2.056-01	4.622-03	7.103-05	1.489-05
-5.4	3.845-18	8.353-05	1.074-15	1.071-12	7.690-01	2.067-01	4.638-03	8.066-05	1.493-05
-5.2	2.424-18	7.416-05	7.559-16	8.509-13	7.719-01	2.076-01	4.651-03	9.033-05	1.497-05
-5.0	1.528-18	6.495-05	5.249-16	6.760-13	7.733-01	2.084-01	4.662-03	9.978-05	1.500-05
-4.8	9.627-19	5.612-05	3.576-16	5.370-13	7.741-01	2.091-01	4.674-03	1.088-04	1.503-05
-4.6	6.062-19	4.787-05	2.431-16	4.265-13	7.740-01	2.098-01	4.686-03	1.171-04	1.507-05
-4.4	3.813-19	4.032-05	1.622-16	3.387-13	7.727-01	2.106-01	4.700-03	1.265-04	1.511-05
-4.2	2.393-19	3.355-05	1.067-16	2.689-13	7.697-01	2.115-01	4.719-03	1.370-04	1.517-05
-4.0	1.500-19	2.750-05	6.925-17	2.136-13	7.644-01	2.127-01	4.746-03	1.485-04	1.525-05
-3.8	9.360-20	2.235-05	4.418-17	1.692-13	7.559-01	2.144-01	4.784-03	1.607-04	1.537-05
-3.6	5.804-20	1.784-05	2.761-17	1.339-13	7.429-01	2.168-01	4.838-03	1.434-04	1.554-05
-3.4	3.565-20	1.394-05	1.679-17	1.058-13	7.242-01	2.201-01	4.913-03	1.441-04	1.578-05
-3.2	2.160-20	1.051-05	9.838-18	8.315-14	6.984-01	2.246-01	5.015-03	1.423-04	1.611-05
-3.0	1.286-20	7.773-06	5.492-18	6.497-14	6.648-01	2.304-01	5.148-03	1.373-04	1.654-05
-2.8	7.484-21	5.433-06	2.885-18	5.033-14	6.234-01	2.374-01	5.310-03	1.275-04	1.706-05
-2.6	4.253-21	3.584-06	1.410-18	3.859-14	5.751-01	2.456-01	5.499-03	1.136-04	1.766-05
-2.4	2.380-21	2.217-06	6.381-19	2.927-14	5.217-01	2.545-01	5.708-03	9.615-05	1.833-05
-2.2	1.282-21	1.286-06	2.678-19	2.198-14	4.654-01	2.638-01	5.928-03	7.712-05	1.904-05
-2.0	6.850-22	7.024-07	1.051-19	1.635-14	4.087-01	2.730-01	6.151-03	5.877-05	1.976-05
-1.8	3.614-22	3.653-07	3.903-20	1.207-14	3.537-01	2.817-01	6.368-03	4.284-05	2.045-05
-1.6	1.890-22	1.828-07	1.392-20	8.861-15	3.020-01	2.895-01	6.573-03	3.015-05	2.111-05
-1.4	9.830-23	8.899-08	4.823-21	6.474-15	2.549-01	2.962-01	6.762-03	2.067-05	2.172-05
-1.2	5.100-23	4.252-08	1.642-21	4.715-15	2.130-01	3.016-01	6.933-03	1.390-05	2.227-05
-1.0	2.645-23	2.009-08	5.533-22	3.427-15	1.764-01	3.055-01	7.086-03	9.235-06	2.276-05
-.8	1.375-23	9.435-09	1.859-22	2.489-15	1.450-01	3.079-01	7.221-03	6.086-06	2.320-05
-.6	7.174-24	4.426-09	6.263-23	1.808-15	1.185-01	3.086-01	7.342-03	3.994-06	2.358-05
-.4	3.770-24	2.082-09	2.126-23	1.317-15	9.630-02	3.074-01	7.452-03	2.618-06	2.393-05
-.2	2.001-24	9.861-10	7.307-24	9.622-16	7.798-02	3.042-01	7.552-03	1.718-06	2.426-05
.0	1.076-24	4.720-10	2.558-24	7.071-16	6.295-02	2.989-01	7.647-03	1.132-06	2.456-05
.2	5.897-25	2.293-10	9.177-25	5.237-16	5.070-02	2.911-01	7.741-03	7.506-07	2.486-05
.4	3.307-25	1.136-10	3.398-25	3.919-16	4.076-02	2.807-01	7.836-03	5.017-07	2.517-05
.6	1.909-25	5.764-11	1.308-25	2.971-16	3.272-02	2.675-01	7.936-03	3.388-07	2.549-05
.8	1.142-25	3.011-11	5.275-26	2.288-16	2.624-02	2.515-01	8.041-03	2.314-07	2.583-05
1.0	7.117-26	1.624-11	2.242-26	1.793-16	2.102-02	2.328-01	8.153-03	1.601-07	2.619-05
1.2	4.645-26	9.075-12	1.009-26	1.431-16	1.681-02	2.119-01	8.271-03	1.120-07	2.657-05
1.4	3.187-26	5.255-12	4.815-27	1.162-16	1.341-02	1.894-01	8.392-03	7.907-08	2.696-05
1.6	2.310-26	3.155-12	2.442-27	9.605-17	1.065-02	1.661-01	8.515-03	5.616-08	2.735-05
1.8	1.780-26	1.963-12	1.316-27	8.049-17	8.395-03	1.427-01	8.636-03	3.989-08	2.774-05
2.0	1.476-26	1.268-12	7.575-28	6.821-17	6.550-03	1.198-01	8.754-03	2.809-08	2.812-05
2.2	1.353-26	8.540-13	4.722-28	5.833-17	5.025-03	9.785-02	8.868-03	1.939-08	2.849-05

T= 6400

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.548-02	2.10786+00	2.22314+01	2.43393+01	8.16630+01	-5.30612+00	2.10785+00
-6.8	4.486-02	2.08440+00	2.15683+01	2.36727+01	8.00548+01	-5.11098+00	2.08442+00
-6.6	3.615-02	2.06554+00	2.10713+01	2.31368+01	7.85824+01	-4.91493+00	2.06555+00
-6.4	2.905-02	2.05039+00	2.06565+01	2.27069+01	7.72201+01	-4.71813+00	2.05040+00
-6.2	2.330-02	2.03824+00	2.03241+01	2.23623+01	7.59463+01	-4.52071+00	2.03825+00
-6.0	1.865-02	2.02848+00	2.00575+01	2.20860+01	7.47434+01	-4.32280+00	2.02849+00
-5.8	1.491-02	2.02060+00	1.98433+01	2.18638+01	7.35769+01	-4.12449+00	2.02060+00
-5.6	1.191-02	2.01418+00	1.96700+01	2.16842+01	7.24946+01	-3.92587+00	2.01418+00
-5.4	9.505-03	2.00884+00	1.95281+01	2.15369+01	7.14764+01	-3.72702+00	.00885+00
-5.2	7.582-03	2.00425+00	1.94091+01	2.14133+01	7.03834+01	-3.52801+00	.00426+00
-5.0	6.047-03	2.00006+00	1.93048+01	2.13048+01	6.93571+01	-3.32892+00	2.00006+00
-4.8	4.824-03	1.99587+00	1.92069+01	2.12028+01	6.83391+01	-3.12983+00	1.99588+00
-4.6	3.851-03	1.99122+00	1.91057+01	2.10969+01	6.73168+01	-2.93085+00	1.99123+00
-4.4	3.078-03	1.98549+00	1.89892+01	2.09747+01	6.62876+01	-2.73210+00	1.98549+00
-4.2	2.466-03	1.97781+00	1.88416+01	2.08194+01	6.52273+01	-2.53378+00	1.97781+00
-4.0	1.983-03	1.96704+00	1.86420+01	2.06091+01	6.41193+01	-2.33615+00	1.96704+00
-3.8	1.603-03	1.95171+00	1.83639+01	2.03157+01	6.29387+01	-2.13955+00	1.95172+00
-3.6	1.307-03	1.93011+00	1.79767+01	1.99068+01	6.16573+01	-1.94438+00	1.93011+00
-3.4	1.077-03	1.90055+00	1.74504+01	1.93509+01	6.02486+01	-1.75109+00	1.90055+00
-3.2	9.012-04	1.86190+00	1.67648+01	1.86267+01	5.86964+01	-1.56001+00	1.86190+00
-3.0	7.670-04	1.81416+00	1.59199+01	1.77340+01	5.70047+01	-1.37129+00	1.81416+00
-2.8	6.652-04	1.75875+00	1.49408+01	1.66996+01	5.52028+01	-1.18476+00	1.75875+00
-2.6	5.874-04	1.69837+00	1.38750+01	1.55734+01	5.33400+01	-9.99930-01	1.69836+00
-2.4	5.269-04	1.63626+00	1.27800+01	1.44163+01	5.14781+01	-8.16110-01	1.63625+00
-2.2	4.782-04	1.57551+00	1.17106+01	1.32861+01	4.96692+01	-6.32550-01	1.57550+00
-2.0	4.371-04	1.51852+00	1.07093+01	1.22278+01	4.79557+01	-4.48540-01	1.51850+00
-1.8	4.010-04	1.46682+00	9.80315+00	1.12700+01	4.63624+01	-2.63590-01	1.46678+00
-1.6	3.680-04	1.42108+00	9.00483+00	1.04299+01	4.48994+01	-7.73500-02	1.42103+00
-1.4	3.371-04	1.38138+00	8.31584+00	9.69721+00	4.35654+01	1.10350-01	1.38130+00
-1.2	3.079-04	1.34734+00	7.73025+00	9.07759+00	4.23517+01	2.99510-01	1.34722+00
-1.0	2.802-04	1.31834+00	7.23782+00	8.55616+00	4.12457+01	4.90060-01	1.31816+00
-.8	2.538-04	1.29365+00	6.82631+00	8.11996+00	4.02329+01	6.81850-01	1.29337+00
-.6	2.289-04	1.27249+00	6.48300+00	7.75549+00	3.92988+01	8.74690-01	1.27206+00
-.4	2.055-04	1.25411+00	6.19559+00	7.44970+00	3.84297+01	1.06837+00	1.25343+00
-.2	1.835-04	1.23782+00	5.95265+00	7.19047+00	3.76131+01	1.26269+00	1.23675+00
.0	1.628-04	1.22300+00	5.74387+00	6.96687+00	3.68377+01	1.45746+00	1.22133+00
.2	1.434-04	1.20916+00	5.56015+00	6.76931+00	3.60940+01	1.65252+00	1.20655+00
.4	1.253-04	1.19598+00	5.39373+00	6.58971+00	3.53738+01	1.84776+00	1.19189+00
.6	1.084-04	1.18335+00	5.23836+00	6.42172+00	3.44706+01	2.04315+00	1.17696+00
.8	9.263-05	1.17154+00	5.08956+00	6.26110+00	3.39796+01	2.23879+00	1.16153+00
1.0	7.846-05	1.16122+00	4.94480+00	6.10602+00	3.32978+01	2.43495+00	1.14559+00
1.2	6.510-05	1.15369+00	4.80347+00	5.95717+00	3.26236+01	2.63212+00	1.12929+00
1.4	5.357-05	1.15103+00	4.66657+00	5.81766+00	3.19563+01	2.83112+00	1.11293+00
1.6	4.368-05	1.15636+00	4.53607+00	5.69249+00	3.12948+01	3.03313+00	1.09689+00
1.8	3.546-05	1.17434+00	4.41428+00	5.58862+00	3.06370+01	3.23983+00	1.08147+00
2.0	2.893-05	1.21192+00	4.30335+00	5.51527+00	2.99775+01	3.45351+00	1.06690+00
2.2	2.401-05	1.27956+00	4.20508+00	5.48463+00	2.93070+01	3.67709+00	1.05318+00

T= 6500

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.123-06	2.021-10	3.551-08	3.294-10	9.917-20	4.424-19	7.217-18	1.469-07	3.792-10
-6.8	1.511-05	3.353-10	5.885-08	6.617-10	3.709-19	1.181-18	1.925-17	1.943-07	4.957-10
-6.6	2.480-05	5.511-10	9.667-08	1.311-09	1.021-18	3.114-18	5.072-17	2.518-07	6.432-10
-6.4	4.043-05	8.994-10	1.577-07	2.562-09	3.193-18	8.131-18	1.324-16	3.243-07	8.295-10
-6.2	6.552-05	1.459-09	2.557-07	4.939-09	9.834-18	2.106-17	3.428-16	4.158-07	1.064-09
-6.0	1.057-04	2.356-09	4.126-07	9.390-09	2.982-17	5.423-17	8.820-16	5.310-07	1.361-09
-5.8	1.699-04	3.790-09	6.635-07	1.760-08	8.903-17	1.389-16	2.258-15	6.760-07	1.734-09
-5.6	2.722-04	6.078-09	1.064-06	3.251-08	2.617-16	3.543-16	5.756-15	8.583-07	2.203-09
-5.4	4.351-04	9.726-09	1.701-06	5.917-08	7.573-16	9.009-16	1.463-14	1.087-06	2.794-09
-5.2	6.938-04	1.553-08	2.714-06	1.061-07	2.158-15	2.284-15	3.707-14	1.375-06	3.538-09
-5.0	1.104-03	2.477-08	4.334-06	1.875-07	6.057-15	5.779-15	9.368-14	1.735-06	4.474-09
-4.8	1.753-03	3.947-08	6.888-06	3.269-07	1.676-14	1.459-14	2.361-13	2.184-06	5.652-09
-4.6	2.777-03	6.285-08	1.092-05	5.621-07	4.573-14	3.677-14	5.935-13	2.742-06	7.134-09
-4.4	4.384-03	1.001-07	1.727-05	9.548-07	1.232-13	9.248-14	1.486-12	3.430-06	8.999-09
-4.2	6.892-03	1.593-07	2.730-05	1.603-06	3.261-13	2.320-13	3.706-12	4.269-06	1.136-08
-4.0	1.077-02	2.539-07	4.323-05	2.663-06	8.642-13	5.806-13	9.182-12	5.273-06	1.429-08
-3.8	1.668-02	4.051-07	6.797-05	4.378-06	2.252-12	1.447-12	2.256-11	6.440-06	1.799-08
-3.6	2.550-02	6.481-07	1.083-04	7.122-06	5.808-12	3.587-12	5.463-11	7.740-06	2.261-08
-3.4	3.831-02	1.040-06	1.651-04	1.145-05	1.490-11	8.826-12	1.301-10	9.091-06	2.838-08
-3.2	5.623-02	1.677-06	2.539-04	1.813-05	3.713-11	2.151-11	3.025-10	1.036-05	3.550-08
-3.0	8.022-02	2.716-06	3.859-04	2.815-05	9.130-11	5.180-11	6.836-10	1.135-05	4.418-08
-2.8	1.107-01	4.420-06	5.783-04	4.249-05	2.182-10	1.229-10	1.494-09	1.189-05	5.457-08
-2.6	1.473-01	7.222-06	8.529-04	6.176-05	5.022-10	2.870-10	3.147-09	1.184-05	6.674-08
-2.4	1.890-01	1.183-05	1.237-03	8.568-05	1.103-09	6.585-10	6.391-09	1.122-05	8.072-08
-2.2	2.342-01	1.940-05	1.762-03	1.127-04	2.295-09	1.485-09	1.252-08	1.013-05	9.649-08
-2.0	2.808-01	3.177-05	2.470-03	1.405-04	4.521-09	3.289-09	2.374-08	8.767-06	1.140-07
-1.8	3.270-01	5.188-05	3.405-03	1.665-04	8.469-09	7.166-09	4.368-08	7.315-06	1.334-07
-1.6	3.711-01	8.434-05	4.626-03	1.893-04	1.519-08	1.537-08	7.826-08	5.921-06	1.547-07
-1.4	4.119-01	1.364-04	6.198-03	2.081-04	2.634-08	3.246-08	1.370-07	4.677-06	1.780-07
-1.2	4.487-01	2.192-04	8.201-03	2.232-04	4.447-08	6.764-08	2.349-07	3.623-06	2.034-07
-1.0	4.811-01	3.499-04	1.073-02	2.350-04	7.361-08	1.391-07	3.959-07	2.763-06	2.310-07
-.8	[illegible]	5.546-04	1.389-02	2.443-04	1.200-07	2.824-07	6.568-07	2.084-06	2.608-07
-.6	5.327-01	8.702-04	1.780-02	2.516-04	1.932-07	5.662-07	1.075-06	1.558-06	2.926-07
-.4	5.525-01	1.353-03	2.261-02	2.575-04	3.090-07	1.121-06	1.736-06	1.159-06	3.265-07
-.2	5.688-01	2.081-03	2.845-02	2.623-04	4.865-07	2.188-06	2.769-06	8.606-07	3.619-07
.0	5.822-01	3.198-03	3.545-02	2.664-04	7.613-07	4.207-06	4.366-06	6.392-07	3.996-07
.2	5.932-01	4.718-03	4.373-02	2.700-04	1.180-06	7.955-06	6.800-06	4.767-07	4.357-07
.4	6.021-01	6.915-03	5.334-02	2.731-04	1.810-06	1.476-05	1.045-05	3.581-07	4.725-07
.6	6.097-01	9.912-03	6.426-02	2.760-04	2.742-06	2.679-05	1.585-05	2.721-07	5.081-07
.8	6.162-01	1.385-02	7.634-02	2.785-04	4.100-06	4.752-05	2.366-05	2.099-07	5.418-07
1.0	6.220-01	1.881-02	8.935-02	2.806-04	6.038-06	8.232-05	3.477-05	1.651-07	5.729-07
1.2	6.274-01	2.476-02	1.029-01	2.821-04	8.754-06	1.394-04	5.025-05	1.330-07	6.017-07
1.4	6.326-01	3.160-02	1.167-01	2.827-04	1.249-05	2.320-04	7.141-05	1.100-07	6.293-07
1.6	6.377-01	3.909-02	1.301-01	2.821-04	1.755-05	3.826-04	9.981-05	9.497-08	6.596-07
1.8	6.428-01	4.696-02	1.429-01	2.797-04	2.435-05	6.336-04	1.373-04	8.362-08	6.952-07
2.0	6.477-01	5.493-02	1.547-01	2.749-04	3.344-05	1.079-03	1.859-04	7.817-08	7.499-07
2.2	6.527-01	6.267-02	1.650-01	2.666-04	4.567-05	1.953-03	2.479-04	7.038-08	8.436-07

T= 6500

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	8.264-24	2.788-06	5.676-11	2.713-10	5.218-02	2.493-15	1.477-02	1.150-19	9.269-05
-6.8	1.740-23	3.641-06	8.987-11	3.546-10	4.232-02	1.593-15	1.199-02	7.360-20	7.437-05
-6.6	3.623-23	4.721-06	1.405-10	4.601-10	3.418-02	1.016-15	9.689-03	4.695-20	5.956-05
-6.4	7.482-23	6.085-06	2.171-10	5.935-10	2.752-02	6.463-16	7.804-03	2.989-20	4.762-05
-6.2	1.535-22	7.804-06	3.310-10	7.619-10	2.209-02	4.104-16	6.268-03	1.899-20	3.803-05
-6.0	3.130-22	9.971-06	4.981-10	9.744-10	1.769-02	2.603-16	5.023-03	1.205-20	3.033-05
-5.8	6.358-22	1.270-05	7.394-10	1.242-09	1.415-02	1.648-16	4.018-03	7.633-21	2.417-05
-5.6	1.287-21	1.613-05	1.082-09	1.580-09	1.129-02	1.043-16	3.209-03	4.831-21	1.925-05
-5.4	2.598-21	2.045-05	1.561-09	2.007-09	9.003-03	6.590-17	2.560-03	3.055-21	1.534-05
-5.2	5.235-21	2.587-05	2.220-09	2.545-09	7.169-03	4.161-17	2.040-03	1.931-21	1.219-05
-5.0	1.053-20	3.268-05	3.111-09	3.224-09	5.703-03	2.625-17	1.624-03	1.219-21	9.690-06
-4.8	2.117-20	4.121-05	4.299-09	4.082-09	4.531-03	1.654-17	1.293-03	7.694-22	7.703-06
-4.6	4.253-20	5.188-05	5.861-09	5.168-09	3.594-03	1.040-17	1.028-03	4.852-22	6.122-06
-4.4	8.546-20	6.517-05	7.888-09	6.546-09	2.846-03	6.527-18	8.176-04	3.058-22	4.864-06
-4.2	1.719-19	8.163-05	1.048-08	8.304-09	2.248-03	4.082-18	6.498-04	1.924-22	3.864-06
-4.0	3.466-19	1.018-04	1.377-08	1.056-08	1.768-03	2.539-18	5.163-04	1.209-22	3.069-06
-3.8	7.016-19	1.263-04	1.765-08	1.348-08	1.383-03	1.567-18	4.099-04	7.573-23	2.437-06
-3.6	1.428-18	1.552-04	2.283-08	1.732-08	1.073-03	9.554-19	3.252-04	4.723-23	1.933-06
-3.4	2.933-18	1.884-04	2.869-08	2.244-08	8.217-04	5.725-19	2.575-04	2.925-23	1.531-06
-3.2	6.095-18	2.249-04	3.527-08	2.943-08	6.191-04	3.349-19	2.033-04	1.793-23	1.209-06
-3.0	1.286-17	2.627-04	4.206-08	3.918-08	4.564-04	1.898-19	1.597-04	1.083-23	9.504-07
-2.8	2.759-17	2.988-04	4.816-08	5.310-08	3.278-04	1.035-19	1.246-04	6.415-24	7.419-07
-2.6	6.028-17	3.298-04	5.243-08	7.328-08	2.286-04	5.407-20	9.624-05	3.713-24	5.739-07
-2.4	1.339-16	3.530-04	5.369-08	1.029-07	1.546-04	2.702-20	7.355-05	2.097-24	4.392-07
-2.2	3.015-16	3.668-04	5.149-08	1.464-07	1.015-04	1.295-20	5.557-05	1.156-24	3.325-07
-2.0	6.851-16	3.709-04	4.632-08	2.104-07	6.495-05	5.989-21	4.155-05	6.247-25	2.492-07
-1.8	1.564-15	3.665-04	3.934-08	3.041-07	4.062-05	2.688-21	3.076-05	3.320-25	1.851-07
-1.6	3.573-15	3.550-04	3.189-08	4.400-07	2.493-05	1.179-21	2.260-05	1.743-25	1.365-07
-1.4	8.141-15	3.385-04	2.495-08	6.359-07	1.507-05	5.084-22	1.649-05	9.071-26	1.002-07
-1.2	1.846-14	3.184-04	1.902-08	9.156-07	9.006-06	2.166-22	1.197-05	4.694-26	7.317-08
-1.0	4.156-14	2.964-04	1.425-08	1.312-06	5.333-06	9.157-23	8.648-06	2.421-26	5.331-08
-.8	9.277-14	2.734-04	1.056-08	1.867-06	3.138-06	3.855-23	6.226-06	1.247-26	3.879-08
-.6	2.050-13	2.505-04	7.773-09	2.638-06	1.839-06	1.622-23	4.469-06	6.427-27	2.823-08
-.4	4.474-13	2.282-04	5.706-09	3.697-06	1.076-06	6.840-24	3.201-06	3.319-27	2.058-08
-.2	9.622-13	2.070-04	4.191-09	5.128-06	6.295-07	2.903-24	2.290-06	1.722-27	1.505-08
.0	2.033-12	1.872-04	3.089-09	7.029-06	3.695-07	1.245-24	1.637-06	8.990-28	1.107-08
.2	4.203-12	1.690-04	2.291-09	9.498-06	2.182-07	5.419-25	1.170-06	4.738-28	8.203-09
.4	8.467-12	1.526-04	1.716-09	1.262-05	1.300-07	2.408-25	8.380-07	2.530-28	6.146-09
.6	1.654-11	1.379-04	1.301-09	1.642-05	7.844-08	1.099-25	6.017-07	1.373-28	4.669-09
.8	3.118-11	1.250-04	1.003-09	2.088-05	4.810-08	5.179-26	4.340-07	7.610-29	3.610-09
1.0	5.660-11	1.140-04	7.877-10	2.589-05	3.010-08	2.538-26	3.169-07	4.323-29	2.849-09
1.2	9.886-11	1.049-04	6.328-10	3.127-05	1.928-08	1.298-26	2.305-07	2.526-29	2.304-09
1.4	1.668-10	9.756-05	5.213-10	3.691-05	1.269-08	6.965-27	1.706-07	1.523-29	1.915-09
1.6	2.742-10	9.229-05	4.420-10	4.281-05	8.615-09	3.928-27	1.283-07	9.505-30	1.641-09
1.8	4.460-10	8.944-05	3.879-10	4.928-05	6.071-09	2.338-27	9.855-08	6.166-30	1.439-09
2.0	7.351-10	8.990-05	3.554-10	5.724-05	4.487-09	1.481-27	7.824-08	4.195-30	1.360-09
2.2	1.273-09	9.569-05	3.461-10	6.872-05	3.542-09	1.017-27	6.536-08	3.052-30	1.331-09

T= 6500

LOG T	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	3.512-16	1.368-04	1.881-14	9.984-12	8.795-01	1.818-01	4.283-03	1.703-05	1.406-05
-6.8	2.221-16	1.345-04	1.458-14	7.975-12	8.993-01	1.873-01	4.361-03	2.224-05	1.425-05
-6.6	1.404-16	1.310-04	1.121-14	6.364-12	7.156-01	1.918-01	4.425-03	2.745-05	1.440-05
-6.4	8.873-17	1.266-04	8.545-15	5.074-12	7.290-01	1.955-01	4.477-03	3.350-05	1.453-05
-6.2	5.605-17	1.206-04	6.451-15	4.043-12	7.398-01	1.985-01	4.520-03	4.042-05	1.464-05
-6.0	3.539-17	1.138-04	4.819-15	3.219-12	7.486-01	2.009-01	4.554-03	4.818-05	1.473-05
-5.8	2.234-17	1.060-04	3.557-15	2.562-12	7.557-01	2.029-01	4.582-03	5.669-05	1.480-05
-5.6	1.410-17	9.754-05	2.593-15	2.038-12	7.613-01	2.045-01	4.605-03	6.580-05	1.485-05
-5.4	8.895-18	8.851-05	1.865-15	1.620-12	7.657-01	2.058-01	4.623-03	7.532-05	1.490-05
-5.2	5.610-18	7.920-05	1.323-15	1.288-12	7.690-01	2.069-01	4.639-03	8.502-05	1.494-05
-5.0	3.538-18	6.989-05	9.261-16	1.024-12	7.715-01	2.078-01	4.652-03	9.462-05	1.497-05
-4.8	2.230-18	6.085-05	6.394-16	8.134-13	7.731-01	2.085-01	4.664-03	1.039-04	1.501-05
-4.6	1.405-18	5.227-05	4.355-16	6.463-13	7.737-01	2.093-01	4.676-03	1.126-04	1.504-05
-4.4	8.850-19	4.435-05	2.928-16	5.134-13	7.732-01	2.100-01	4.690-03	1.206-04	1.508-05
-4.2	5.567-19	3.717-05	1.943-16	4.078-13	7.714-01	2.108-01	4.706-03	1.276-04	1.513-05
-4.0	3.496-19	3.078-05	1.272-16	3.238-13	7.676-01	2.119-01	4.728-03	1.337-04	1.520-05
-3.8	2.190-19	2.518-05	8.212-17	2.570-13	7.612-01	2.133-01	4.759-03	1.387-04	1.529-05
-3.6	1.366-19	2.031-05	5.208-17	2.039-13	7.510-01	2.152-01	4.803-03	1.423-04	1.543-05
-3.4	8.460-20	1.611-05	3.231-17	1.614-13	7.359-01	2.180-01	4.865-03	1.444-04	1.563-05
-3.2	5.188-20	1.250-05	1.946-17	1.275-13	7.145-01	2.218-01	4.951-03	1.443-04	1.591-05
-3.0	3.135-20	9.469-06	1.126-17	1.002-13	6.856-01	2.269-01	5.066-03	1.414-04	1.627-05
-2.8	1.859-20	6.826-06	6.188-18	7.823-14	6.487-01	2.330-01	5.210-03	1.349-04	1.674-05
-2.6	1.077-20	4.678-06	3.186-18	6.051-14	6.043-01	2.406-01	5.384-03	1.238-04	1.730-05
-2.4	6.091-21	3.027-06	1.523-18	4.631-14	5.537-01	2.490-01	5.583-03	1.095-04	1.793-05
-2.2	3.366-21	1.835-06	6.741-19	3.506-14	4.988-01	2.581-01	5.798-03	9.024-05	1.862-05
-2.0	1.823-21	1.044-06	2.772-19	2.627-14	4.421-01	2.674-01	6.020-03	7.113-05	1.934-05
-1.8	9.719-22	5.614-07	1.070-19	1.952-14	3.859-01	2.763-01	6.242-03	5.337-05	2.005-05
-1.6	5.103-22	2.883-07	3.925-20	1.440-14	3.321-01	2.846-01	6.455-03	3.843-05	2.073-05
-1.4	2.680-22	1.430-07	1.389-20	1.056-14	2.822-01	2.919-01	6.654-03	2.680-05	2.137-05
-1.2	1.396-22	6.926-08	4.796-21	7.713-15	2.371-01	2.979-01	6.837-03	1.825-05	2.196-05
-1.0	7.262-23	3.302-08	1.632-21	5.619-15	1.974-01	3.025-01	7.001-03	1.223-05	2.249-05
-.8	3.781-23	1.560-08	5.518-22	4.088-15	1.629-01	3.056-01	7.148-03	8.105-06	2.296-05
-.6	1.976-23	7.344-09	1.865-22	2.974-15	1.336-01	3.069-01	7.279-03	5.340-06	2.338-05
-.4	1.039-23	3.461-09	6.339-23	2.167-15	1.089-01	3.065-01	7.397-03	3.508-06	2.376-05
-.2	5.510-24	1.639-09	2.178-23	1.584-15	8.841-02	3.040-01	7.504-03	2.305-06	2.410-05
.0	2.961-24	7.839-10	7.612-24	1.164-15	7.150-02	2.994-01	7.605-03	1.519-06	2.443-05
.2	1.619-24	3.800-10	2.722-24	8.611-16	5.766-02	2.924-01	7.703-03	1.006-06	2.474-05
.4	9.057-25	1.876-10	1.003-24	6.435-16	4.641-02	2.828-01	7.800-03	6.716-07	2.505-05
.6	5.213-25	9.482-11	3.841-25	4.870-16	3.729-02	2.704-01	7.901-03	4.525-07	2.538-05
.8	3.106-25	4.927-11	1.539-25	3.742-16	2.992-02	2.551-01	8.007-03	3.083-07	2.572-05
1.0	1.929-25	2.644-11	6.494-26	2.925-16	2.397-02	2.371-01	8.119-03	2.125-07	2.608-05
1.2	1.255-25	1.469-11	2.903-26	2.330-16	1.917-02	2.168-01	8.237-03	1.482-07	2.646-05
1.4	8.592-26	8.466-12	1.379-26	1.890-16	1.529-02	1.947-01	8.359-03	1.043-07	2.685-05
1.6	6.226-26	5.064-12	6.969-27	1.560-16	1.215-02	1.715-01	8.483-03	7.391-08	2.725-05
1.8	4.808-26	3.144-12	3.757-27	1.307-16	9.583-03	1.479-01	8.606-03	5.240-08	2.764-05
2.0	4.010-26	2.030-12	2.172-27	1.109-16	7.479-03	1.247-01	8.727-03	3.687-08	2.803-05
2.2	3.715-26	1.371-12	1.368-27	9.513-17	5.740-03	1.022-01	8.844-03	2.546-08	2.841-05

T= 6500

LOG T	E-	Z	E/RT	H/RT	S/P	LOG P	Z*
-7.0	6.718-02	2.13429+00	2.26700+01	2.48643+01	8.24495+01	-5.29398+00	2.13431+00
-6.8	5.452-02	2.10570+00	2.18975+01	2.40032+01	8.07010+01	-5.09984+00	2.10572+00
-6.6	4.407-02	2.08266+00	2.12750+01	2.33576+01	7.91143+01	-4.90462+00	2.08267+00
-6.4	3.550-02	2.06413+00	2.07747+01	2.28388+01	7.76593+01	-4.70850+00	2.06414+00
-6.2	2.852-02	2.04925+00	2.03733+01	2.24225+01	7.63109+01	-4.51164+00	2.04926+00
-6.0	2.287-02	2.03731+00	2.00514+01	2.20887+01	7.50482+01	-4.31418+00	2.03732+00
-5.8	1.831-02	2.02770+00	1.97932+01	2.18209+01	7.38540+01	-4.11623+00	2.02771+00
-5.6	1.464-02	2.01993+00	1.95852+01	2.16052+01	7.27141+01	-3.91790+00	2.01994+00
-5.4	1.169-02	2.01356+00	1.94166+01	2.14302+01	7.16168+01	-3.71927+00	2.01357+00
-5.2	9.328-03	2.00823+00	1.92777+01	2.12859+01	7.05519+01	-3.52042+00	2.00824+00
-5.0	7.441-03	2.00357+00	1.91599+01	2.11635+01	6.95104+01	-3.32143+00	2.00358+00
-4.8	5.935-03	1.99921+00	1.90549+01	2.10541+01	6.84837+01	-3.12237+00	1.99922+00
-4.6	4.736-03	1.99473+00	1.89536+01	2.09484+01	6.74628+01	-2.92335+00	1.99474+00
-4.4	3.782-03	1.98958+00	1.88456+01	2.08352+01	6.64373+01	-2.72447+00	1.98959+00
-4.2	3.025-03	1.98306+00	1.87174+01	2.07005+01	6.53943+01	-2.52590+00	1.98306+00
-4.0	2.426-03	1.97418+00	1.85515+01	2.05256+01	6.43171+01	-2.32785+00	1.97419+00
-3.8	1.953-03	1.96167+00	1.83247+01	2.02864+01	6.31839+01	-2.13061+00	1.96168+00
-3.6	1.583-03	1.94393+00	1.80089+01	1.99528+01	6.19685+01	-1.93455+00	1.94393+00
-3.4	1.276-03	1.91921+00	1.75733+01	1.94925+01	6.06631+01	-1.74011+00	1.91921+00
-3.2	1.071-03	1.88596+00	1.69910+01	1.88769+01	5.91843+01	-1.54770+00	1.88596+00
-3.0	9.006-04	1.84347+00	1.62490+01	1.80925+01	5.75833+01	-1.35760+00	1.84347+00
-2.8	7.706-04	1.79230+00	1.53573+01	1.71496+01	5.58541+01	-1.16982+00	1.79230+00
-2.6	6.718-04	1.73444+00	1.43505+01	1.60850+01	5.40351+01	-9.84070-01	1.73443+00
-2.4	5.959-04	1.67290+00	1.32811+01	1.49546+01	5.21811+01	-7.99760-01	1.67289+00
-2.2	5.362-04	1.61095+00	1.22061+01	1.38170+01	5.03500+01	-6.16150-01	1.61094+00
-2.0	4.874-04	1.55145+00	1.11751+01	1.27266+01	4.85910+01	-4.32500-01	1.55143+00
-1.8	4.458-04	1.49642+00	1.02240+01	1.17209+01	4.69384+01	-2.48180-01	1.49639+00
-1.6	4.087-04	1.44704+00	9.37334+00	1.08204+01	4.54102+01	-6.27500-02	1.44699+00
-1.4	3.745-04	1.40370+00	8.63053+00	1.00342+01	4.40112+01	1.24060-01	1.40362+00
-1.2	3.425-04	1.36626+00	7.99362+00	9.35988+00	4.27368+01	3.12300-01	1.36614+00
-1.0	3.121-04	1.33423+00	7.45467+00	8.78890+00	4.15762+01	5.02000-01	1.33405+00
-.8	2.834-04	1.30692+00	7.00250+00	8.30942+00	4.05161+01	6.93020-01	1.30664+00
-.6	2.561-04	1.28357+00	6.62466+00	7.90823+00	3.95419+01	8.85190-01	1.28313+00
-.4	2.303-04	1.26341+00	6.30864+00	7.57205+00	3.86396+01	1.07831+00	1.26272+00
-.2	2.061-04	1.24571+00	6.04258+00	7.28829+00	3.77958+01	1.27218+00	1.24464+00
.0	1.833-04	1.22982+00	5.81563+00	7.04545+00	3.69989+01	1.46661+00	1.22814+00
.2	1.618-04	1.21521+00	5.61810+00	6.83331+00	3.62385+01	1.66142+00	1.21259+00
.4	1.418-04	1.20150+00	5.44162+00	6.64312+00	3.55056+01	1.85649+00	1.19740+00
.6	1.229-04	1.18854+00	5.27931+00	6.46785+00	3.47930+01	2.05178+00	1.18213+00
.8	1.054-04	1.17652+00	5.12599+00	6.30251+00	3.40951+01	2.24737+00	1.16669+00
1.0	8.924-05	1.16627+00	4.97838+00	6.14445+00	3.34082+01	2.44349+00	1.15040+00
1.2	7.458-05	1.15841+00	4.83518+00	5.99359+00	3.27299+01	2.64063+00	1.13395+00
1.4	6.158-05	1.15557+00	4.69675+00	5.85233+00	3.20589+01	2.83956+00	1.11739+00
1.6	5.037-05	1.16065+00	4.56467+00	5.72533+00	3.13939+01	3.04147+00	1.10105+00
1.8	4.104-05	1.17830+00	4.44102+00	5.61932+00	3.07323+01	3.24802+00	1.08527+00
2.0	3.357-05	1.21550+00	4.32790+00	5.54346+00	3.00689+01	3.46152+00	1.07076+00
2.2	2.796-05	1.28268+00	4.22718+00	5.50988+00	2.93944+01	3.68489+00	1.05807+00

T= 6600

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.670-06	1.696-10	2.845-08	2.112-10	5.497 20	3.239-19	4.997-18	1.408-07	3.706-10
-6.8	1.115-05	2.840-10	4.761-08	4.209-10	1.804-19	8.758-19	1.350-17	1.853-07	4.881-10
-6.6	1.845-05	4.703-10	7.880-08	8.580-10	5.808-19	2.333-18	3.598-17	2.416-07	6.372-10
-6.4	3.027-05	7.720-10	1.293-07	1.692-09	1.838-18	6.143-18	9.463-17	3.129-07	8.258-10
-6.2	4.931-05	1.259-09	2.107-07	3.291-09	5.719-18	1.602-17	2.467-16	4.028-07	1.064-09
-6.0	7.988-05	2.040-09	3.415-07	6.311-09	1.752-17	4.146-17	6.382-16	5.162-07	1.364-09
-5.8	1.288-04	3.292-09	5.508-07	1.193-08	5.280-17	1.066-16	1.641-15	6.590-07	1.743-09
-5.6	2.080-04	5.292-09	8.853-07	2.227-08	1.568-16	2.730-16	4.200-15	8.387-07	2.220-09
-5.4	3.315-04	8.484-09	1.419-06	4.079-08	4.574-16	6.959-16	1.070-14	1.065-06	2.820-09
-5.2	5.297-04	1.357-08	2.268-06	7.376-08	1.315-15	1.769-15	2.710-14	1.348-06	3.575-09
-5.0	8.443-04	2.167-08	3.618-06	1.314-07	3.722-15	4.483-15	6.834-14	1.704-06	4.527-09
-4.8	1.343-03	3.456-08	5.762-06	2.308-07	1.038-14	1.138-14	1.739-13	2.149-06	5.724-09
-4.6	2.131-03	5.509-08	9.162-06	3.597-07	2.854-14	2.881-14	4.379-13	2.704-06	7.230-09
-4.4	3.372-03	8.767-08	1.454-05	6.835-07	7.762-14	7.206-14	1.099-12	3.391-06	9.126-09
-4.2	5.316-03	1.398-07	2.304-05	1.155-06	2.075-13	1.811-13	2.749-12	4.236-06	1.151-08
-4.0	8.339-03	2.225-07	3.662-05	1.922-06	5.497-13	4.560-13	6.840-12	5.259-06	1.451-08
-3.8	1.299-02	3.545-07	5.739-05	3.190-06	1.441-12	1.134-12	1.689-11	6.472-06	1.829-08
-3.6	2.001-02	5.663-07	9.005-05	5.222-06	3.740-12	2.821-12	4.126-11	7.861-06	2.302-08
-3.4	3.059-02	9.071-07	1.405-04	8.458-06	9.600-12	6.976-12	9.931-11	9.373-06	2.895-08
-3.2	4.525-02	1.458-06	2.173-04	1.353-05	2.433-11	1.710-11	2.343-10	1.089-05	3.633-08
-3.0	6.567-02	2.355-06	3.327-04	2.129-05	6.065-11	4.146-11	5.386-10	1.224-05	4.543-08
-2.8	9.240-02	3.823-06	5.027-04	3.275-05	1.478-10	9.924-11	1.200-09	1.319-05	5.649-08
-2.6	1.256-01	6.232-06	7.483-04	4.883-05	3.489-10	2.339-10	2.583-09	1.356-05	6.965-08
-2.4	1.645-01	1.020-05	1.096-03	6.989-05	7.904-10	5.420-10	5.356-09	1.325-05	8.499-08
-2.2	2.079-01	1.671-05	1.577-03	9.521-05	1.703-09	1.234-09	1.071-08	1.232-05	1.025-07
-2.0	2.539-01	2.738-05	2.230-03	1.229-04	3.475-09	2.760-09	2.069-08	1.094-05	1.221-07
-1.8	3.006-01	4.477-05	3.103-03	1.503-04	6.719-09	6.067-09	3.867-08	9.334-06	1.439-07
-1.6	3.460-01	7.293-05	4.249-03	1.754-04	1.238-08	1.312-08	7.030-08	7.694-06	1.678-07
-1.4	3.889-01	1.182-04	5.735-03	1.968-04	2.191-08	2.793-08	1.246-07	6.168-06	1.941-07
-1.2	4.280-01	1.909-04	7.638-03	2.143-04	3.756-08	5.859-08	2.160-07	4.834-06	2.227-07
-1.0	4.629-01	3.049-04	1.005-02	2.281-04	6.285-08	1.212-07	3.673-07	3.723-06	2.538-07
-.8	4.936-01	4.843-04	1.308-02	2.390-04	1.034-07	2.475-07	6.141-07	2.829-06	2.874-07
-.6	5.194-01	7.628-04	1.684-02	2.476-04	1.675-07	4.959-07	1.011-06	2.128-06	3.234-07
-.4	5.414-01	1.190-03	2.147-02	2.543-04	2.683-07	9.922-07	1.643-06	1.590-06	3.618-07
-.2	5.596-01	1.836-03	2.711-02	2.598-04	4.255-07	1.946-06	2.635-06	1.184-06	4.022-07
.0	5.746-01	2.798-03	3.391-02	2.644-04	6.682-07	3.762-06	4.175-06	8.815-07	4.442-07
.2	5.868-01	4.197-03	4.197-02	2.683-04	1.039-06	7.151-06	6.530-06	6.587-07	4.871 07
.4	5.969-01	6.184-03	5.138-02	2.718-04	1.599-06	1.334-05	1.008-05	4.946-07	5.301-07
.6	6.053-01	8.918-03	6.212-02	2.749-04	2.433-06	2.438-05	1.535-05	3.757-07	5.724-07
.8	6.126-01	1.255-02	7.410-02	2.776-04	3.652-06	4.357-05	2.302-05	2.895-07	6.132-07
1.0	6.186-01	1.717-02	8.709-02	2.800-04	5.404-06	7.609-05	3.399-05	2.274-07	6.520-07
1.2	6.243-01	2.279-02	1.008-01	2.818-04	7.874-06	1.300-04	4.934-05	1.828-07	6.890-07
1.4	6.298-01	2.934-02	1.147-01	2.827-04	1.130-05	2.181-04	7.044-05	1.511-07	7.255-07
1.6	6.350-01	3.660-02	1.285-01	2.825-04	1.597-05	3.626-04	9.887-05	1.291-07	7.649-07
1.8	6.402-01	4.434-02	1.417-01	2.807-04	2.227-05	6.050-04	1.366-04	1.147-07	8.139-07
2.0	6.453-01	5.225-02	1.540-01	2.765-04	3.078-05	1.040-03	1.856-04	1.073-07	8.853-07
2.2	6.504-01	6.004-02	1.649-01	2.693-04	4.231-05	1.895-03	2.484-04	1.079-07	1.005-06

T= 6600

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.490-24	2 413-06	4.472-11	3.022-10	6.290-02	5.623-15	1.740-02	2.953-19	1.171-04
-6.8	2.020-23	3.176-06	7.144-11	3.680-10	9.124-02	3.604-15	1.419-02	1.893-19	9.417-05
-6.6	4.243-23	4.145-06	1.127-10	5.196-10	4.154-02	2.303-15	1.151-02	1.211-19	7.556-05
-6.4	8.824-23	5.369-06	1.754-10	6.733-10	3.334-02	1.468-15	9.294-03	7.720-20	6.051-05
-6.2	1.820-22	6.919-06	2.696-10	8.681-10	2.700-02	9.361-16	7.482-03	4.913-20	4.838-05
-6.0	3.730-22	8.865-06	4.090-10	1.114-09	2.167-02	5.932-16	6.007-03	3.121-20	3.863-05
-5.8	7.603-22	1.132-05	6.121-10	1.424-09	1.735-02	3.761-16	4.812-03	1.979-20	3.081-05
-5.6	1.543-21	1.441-05	9.032-10	1.815-09	1.387-02	2.382-16	3.848-03	1.254-20	2.456-05
-5.4	3.123-21	1.830-05	1.314-09	2.308-09	1.107-02	1.507-16	3.073-03	7.936-21	1.955-05
-5.2	6.302-21	2.319-05	1.883-09	2.930-09	8.826-03	9.522-17	2.451-03	5.018-21	1.556-05
-5.0	1.269-20	2.934-05	2.660-09	3.714-09	7.027-03	6.012-17	1.953-03	3.171-21	1.238-05
-4.8	2.553-20	3.705-05	3.704-09	4.705-09	5.588-03	3.792-17	1.555-03	2.003-21	9.845-06
-4.6	5.131-20	4.670-05	5.087-09	5.958-09	4.439-03	2.388-17	1.238-03	1.264-21	7.827-06
-4.4	1.031-19	5.876-05	6.895-09	7.549-09	3.520-03	1.502-17	9.847-04	7.972-22	6.222-06
-4.2	2.073-19	7.376-05	9.229-09	9.562-09	2.785-03	9.416-18	7.830-04	5.023-22	4.945-06
-4.0	4.173-19	9.228-05	1.220-08	1.214-08	2.197-03	5.881-18	6.225-04	3.162-22	3.929-06
-3.8	8.422-19	1.149-04	1.595-08	1.545-08	1.726-03	3.651-18	4.947-04	1.986-22	3.122-06
-3.6	1.708-18	1.421-04	2.057-08	1.976-08	1.346-03	2.246-18	3.929-04	1.244-22	2.479-06
-3.4	3.485-18	1.740-04	2.616-08	2.545-08	1.040-03	1.363-18	3.117-04	7.750-23	1.967-06
-3.2	7.182-18	2.101-04	3.266-08	3.310-08	7.927-04	8.110-19	2.469-04	4.794-23	1.559-06
-3.0	1.499-17	2.491-04	3.979-08	4.360-08	5.931-04	4.701-19	1.949-04	2.931-23	1.231-06
-2.8	3.178-17	2.883-04	4.689-08	5.837-08	4.335-04	2.634-19	1.530-04	1.764-23	9.670-07
-2.6	6.856-17	3.246-04	5.288-08	7.953-08	3.082-04	1.418-19	1.191-04	1.040-23	7.539-07
-2.4	1.505-16	3.549-04	5.646-08	1.103-07	2.127-04	7.302-20	9.185-05	5.984-24	5.820-07
-2.2	3.356-16	3.754-04	5.659-08	1.555-07	1.423-04	3.600-20	7.001-05	3.360-24	4.444-07
-2.0	7.573-16	3.861-04	5.310-08	2.219-07	9.261-05	1.706-20	5.275-05	1.844-24	3.357-07
-1.8	1.722-15	3.871-04	4.682-08	3.192-07	5.875-05	7.811-21	3.934-05	9.925-25	2.511-07
-1.6	3.926-15	3.796-04	3.912-08	4.610-07	3.649-05	3.481-21	2.906-05	5.261-25	1.862-07
-1.4	8.945-15	3.654-04	3.131-08	6.660-07	2.228-05	1.520-21	2.131-05	2.758-25	1.372-07
-1.2	2.031-14	3.466-04	2.427-08	9.599-07	1.341-05	6.534-22	1.552-05	1.435-25	1.006-07
-1.0	4.582-14	3.247-04	1.840-08	1.378-06	7.991-06	2.782-22	1.125-05	7.432-26	7.348-08
-.8	1.026-13	3.012-04	1.374-08	1.965-06	4.725-06	1.177-22	8.121-06	3.840-26	5.358-08
-.6	2.274-13	2.771-04	1.017-08	2.785-06	2.779-06	4.970-23	5.843-06	1.983-26	3.905-08
-.4	4.981-13	2.533-04	7.493-09	3.913-06	1.630-06	2.102-23	4.193-06	1.026-26	2.849-08
-.2	1.074-12	2.305-04	5.516-09	5.445-06	9.555-07	8.932-24	3.004-06	5.327-27	2.085-08
.0	2.285-12	2.090-04	4.070-09	7.491-06	5.615-07	3.832-24	2.150-06	2.784-27	1.533-08
.2	4.753-12	1.891-04	3.019-09	1.017-05	3.317-07	1.667-24	1.539-06	1.468-27	1.136-08
.4	9.644-12	1.710-04	2.260-09	1.357-05	1.975-07	7.398-25	1.103-06	7.837-28	8.498-09
.6	1.900-11	1.548-04	1.712-09	1.776-05	1.191-07	3.367-25	7.933-07	4.254-28	6.446-09
.8	3.617-11	1.407-04	1.318-09	2.273-05	7.290-08	1.583-25	5.729-07	2.357-28	4.974-09
1.0	6.63P-11	1.285-04	1.034-09	2.837-05	4.552-08	7.730-26	4.164-07	1.340-28	3.918-09
1.2	1.173-10	1.184 04	8.295-10	3.454-05	2.910-08	3.944-26	3.053-07	7.837-29	3.161-09
1.4	2.002-10	1.105-04	6.830-10	4.107-05	1.911-08	2.112-26	2.265-07	4.736-29	2.623-09
1.6	3.329-10	1.048-04	5.793-10	4.789-05	1.298-08	1.191-26	1.707-07	2.967-29	2.246-09
1.8	5.476-10	1.019-04	5.091-10	5.564-05	9.124-09	7.105-27	1.316-07	1.937-29	1.937-09
2.0	9.120-10	1.028-04	4.681-10	6.506-05	6.741-09	4.525-27	1.049-07	1.330-29	1.862-09
2.2	1.595-09	1.099-04	4.584-10	7.865-05	5.323-09	3.141-27	8.796-08	9.811-30	1.855-09

T= 6600

LOG D	S++	C+	C++	NE+	N	O	A	C	NE
-7.0	7.892-16	1.367-04	3.058-14	1.484-11	6.583-01	1.764-01	4.196-03	1.554-05	1.385-05
-6.8	4.993-16	1.352-04	2.379-14	1.184-11	6.816-01	1.827-01	4.280-03	1.968-05	1.408-05
-6.6	3.158-16	1.325-04	1.838-14	9.476-12	7.010-01	1.880-01	4.366-03	2.448-05	1.427-05
-6.4	1.997-16	1.286-04	1.408-14	7.562-12	7.170-01	1.924-01	4.429-03	3.027-05	1.442-05
-6.2	1.262-16	1.235-04	1.069-14	6.029-12	7.301-01	1.960-01	4.481-03	3.654-05	1.455-05
-6.0	7.972-17	1.173-04	8.037-15	4.803-12	7.408-01	1.989-01	4.522-03	4.387-05	1.465-05
-5.8	5.034-17	1.101-04	5.968-15	3.825-12	7.494-01	2.012-01	4.556-03	5.200-05	1.473-05
-5.6	3.178-17	1.020-04	4.381-15	3.044-12	7.562-01	2.032-01	4.584-03	6.083-05	1.480-05
-5.4	2.006-17	9.323-05	3.174-15	2.421-12	7.617-01	2.047-01	4.606-03	7.017-05	1.486-05
-5.2	1.266-17	8.406-05	2.269-15	1.925-12	7.660-01	2.060-01	4.625-03	7.982-05	1.490-05
-5.0	7.985-18	7.474-05	1.600-15	1.530-12	7.692-01	2.070-01	4.640-03	8.951-05	1.494-05
-4.8	5.036-18	6.555-05	1.113-15	1.216-12	7.715-01	2.079-01	4.654-03	9.900-05	1.498-05
-4.6	3.175-18	5.671-05	7.634-16	9.666-13	7.728-01	2.087-01	4.666-03	1.080-04	1.501-05
-4.4	2.001-18	4.845-05	5.170-16	7.681-13	7.731-01	2.094-01	4.679-03	1.164-04	1.505-05
-4.2	1.260-18	4.088-05	3.457-16	6.103-13	7.722-01	2.102-01	4.694-03	1.240-04	1.509-05
-4.0	7.928-19	3.409-05	2.282-16	4.868-13	7.697-01	2.112-01	4.713-03	1.306-04	1.515-05
-3.8	4.979-19	2.809-05	1.487-16	3.851-13	7.656-01	2.123-01	4.739-03	1.362-04	1.523-05
-3.6	3.118-19	2.286-05	9.541-17	3.058-13	7.572-01	2.140-01	4.775-03	1.407-04	1.534-05
-3.4	1.943-19	1.834-05	6.012-17	2.427-13	7.451-01	2.163-01	4.826-03	1.438-04	1.551-05
-3.2	1.202-19	1.445-05	3.699-17	1.922-13	7.275-01	2.194-01	4.898-03	1.451-04	1.574-05
-3.0	7.355-20	1.111-05	2.264-17	1.518-13	7.030-01	2.237-01	4.996-03	1.441-04	1.605-05
-2.8	4.429-20	8.269-06	1.257-17	1.192-13	6.708-01	2.292-01	5.123-03	1.406-04	1.646-05
-2.6	2.614-20	5.890-06	6.777-18	9.295-14	6.306-01	2.360-01	5.281-03	1.319-04	1.697-05
-2.4	1.506-20	3.973-06	3.413-18	7.176-14	5.834-01	2.440-01	5.467-03	1.192-04	1.756-05
-2.2	8.474-21	2.517-06	1.593-18	5.480-14	5.307-01	2.527-01	5.673-03	1.027-04	1.822-05
-2.0	4.661-21	1.494-06	6.885-19	4.139-14	4.747-01	2.619-01	5.893-03	8.379-05	1.893-05
-1.8	2.516-21	8.336-07	2.773-19	3.095-14	4.180-01	2.710-01	6.116-03	6.488-05	1.965-05
-1.6	1.339-21	4.411-07	1.053-19	2.296-14	3.625-01	2.796-01	6.335-03	4.795-05	2.035-05
-1.4	7.055-22	2.238-07	3.820-20	1.691-14	3.103-01	2.874-01	6.543-03	3.411-05	2.102-05
-1.2	3.694-22	1.102-07	1.343-20	1.240-14	2.623-01	2.940-01	6.737-03	2.358-05	2.164-05
-1.0	1.920-22	5.312-08	4.626-21	9.057-15	2.195-01	2.993-01	6.912-03	1.597-05	2.220-05
-.8	1.007-22	2.529-08	1.576-21	6.603-15	1.820-01	3.030-01	7.070-03	1.066-05	2.271 05
-.6	5.267-23	1.196-08	5.354-22	4.811-15	1.498-01	3.051-01	7.212-03	7.058-06	2.316-05
-.4	2.771-23	5.652-09	1.824-22	3.509-15	1.226-01	3.053-01	7.338-03	4.651-06	2.357-05
-.2	1.470-23	2.680-09	6.272-23	2.566-15	9.973-02	3.035-01	7.453-03	3.062-06	2.394-05
.0	7.895-24	1.281-09	2.190-23	1.885-15	8.082-02	2.996-01	7.560-03	2.019-06	2.428-05
.2	4.311-24	6.200-10	7.811-24	1.394-15	6.528-02	2.933-01	7.662-03	1.337-06	2.461-05
.4	2.406-24	3.053-10	2.868-24	1.041-15	5.260-02	2.845-01	7.763-03	8.911-07	2.493-05
.6	1.381-24	1.537-10	1.092-24	7.882-16	4.230-02	2.729-01	7.866-03	5.992-07	2.526-05
.8	8.200-25	7.948-11	4.349-25	6.029-16	3.396-02	2.584-01	7.972-03	4.072-07	2.561-05
1.0	5.074-25	4.243-11	1.823-25	4.703-16	2.723-02	2.411-01	8.085-03	2.799-07	2.597-05
1.2	3.290-25	2.349-11	8.099-26	3.738-16	2.178-02	2.214-01	8.203-03	1.945-07	2.635-05
1.4	2.249-25	1.345-11	3.827-26	3.027-16	1.738-02	1.997-01	8.326-03	1.366-07	2.674-05
1.6	1.629-25	8.016-12	1.929-26	2.497-16	1.381-02	1.766-01	8.451-03	9.650-08	2.714-05
1.8	1.261-25	4.965-12	1.040-26	2.092-16	1.090-02	1.530-01	8.576-03	6.824-08	2.755-05
2.0	1.058-25	3.205-12	6.036-27	1.777-16	8.506-03	1.295-01	8.699-03	4.800-08	2.794-05
2.2	9.904-26	2.169-12	3.840-27	1.528-16	6.531-03	1.066-01	8.820-03	3.314-08	2.833-05

T= 6600

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	8.056-02	2.16537+00	2.32207+01	2.53861+01	8.33505+01	-5.28107+00	2.16539+00
-6.8	6.566-02	2.13082+00	2.23007+01	2.46315+01	8.14415+01	-5.08805+00	2.13084+00
-6.6	5.326-02	2.10290+00	2.15570+01	2.36599+01	7.97232+01	-4.89378+00	2.10292+00
-6.4	4.303-02	2.08039+00	2.09579+01	2.30383+01	7.81611+01	-4.69846+00	2.08041+00
-6.2	3.466-02	2.06230+00	2.04765+01	2.25388+01	7.67259+01	-4.50225+00	2.06232+00
-6.0	2.784-02	2.04777+00	2.00902+01	2.21386+01	7.53933+01	-4.30532+00	2.04779+00
-5.8	2.232-02	2.03610+00	1.97803+01	2.18164+01	7.41432+01	-4.10780+00	2.03611+00
-5.6	1.786-02	2.02670+00	1.95315+01	2.15582+01	7.29590+01	-3.90981+00	2.02671+00
-5.4	1.428-02	2.01906+00	1.93307+01	2.13498+01	7.18267+01	-3.71145+00	2.01908+00
-5.2	1.140-02	2.01278+00	1.91672+01	2.11802+01	7.07349+01	-3.51281+00	2.01279+00
-5.0	9.098-03	2.00745+00	1.90315+01	2.10389+01	6.96735+01	-3.31396+00	2.00746+00
-4.8	7.258-03	2.00271+00	1.89149+01	2.09176+01	6.86335+01	-3.11498+00	2.00272+00
-4.6	5.790-03	1.99815+00	1.88086+01	2.08067+01	6.76060+01	-2.91597+00	1.99815+00
-4.4	4.621-03	1.99329+00	1.87030+01	2.06962+01	6.65813+01	-2.71703+00	1.99330+00
-4.2	3.692-03	1.98752+00	1.85863+01	2.05739+01	6.55480+01	-2.51829+00	1.98753+00
-4.0	2.955-03	1.98003+00	1.84437+01	2.04238+01	6.44918+01	-2.31993+00	1.98003+00
-3.8	2.373-03	1.96969+00	1.82555+01	2.02252+01	6.33933+01	-2.12220+00	1.96970+00
-3.6	1.914-03	1.95509+00	1.79964+01	1.99515+01	6.22309+01	-1.92544+00	1.95509+00
-3.4	1.556-03	1.93452+00	1.76370+01	1.95715+01	6.09757+01	-1.73003+00	1.93453+00
-3.2	1.277-03	1.90627+00	1.71475+01	1.90538+01	5.96015+01	-1.53642+00	1.90627+00
-3.0	1.062-03	1.86906+00	1.65059+01	1.83755+01	5.80903+01	-1.34498+00	1.86906+00
-2.8	8.973-04	1.82266+00	1.57082+01	1.75309+01	5.64422+01	-1.15590+00	1.82266+00
-2.6	7.722-04	1.76827+00	1.47749+01	1.65431+01	5.46818+01	-9.69050-01	1.76827+00
-2.4	6.768-04	1.70840+00	1.37489+01	1.54572+01	5.28551+01	-7.84010-01	1.70839+00
-2.2	6.030-04	1.64624+00	1.26852+01	1.43315+01	5.10191+01	-6.00110-01	1.64623+00
-2.0	5.442-04	1.58498+00	1.16384+01	1.32234+01	4.92284+01	-4.16580-01	1.58496+00
-1.8	4.955-04	1.52712+00	1.06520+01	1.21792+01	4.75256+01	-2.32730-01	1.52709+00
-1.6	4.532-04	1.47433+00	9.75470+00	1.12290+01	4.59374+01	-4.80100-02	1.47429+00
-1.4	4.151-04	1.42742+00	8.96077+00	1.03882+01	4.44756+01	1.37950-01	1.42735+00
-1.2	3.799-04	1.38654+00	8.27315+00	9.65969+00	4.31603+01	3.25330-01	1.38642+00
-1.0	3.467-04	1.35135+00	7.68698+00	9.03833+00	4.19240+01	5.14170-01	1.35117+00
-.8	3.152-04	1.32128+00	7.19272+00	8.51400+00	4.08145+01	7.04390-01	1.32093+00
-.6	2.854-04	1.29557+00	6.77859+00	8.07416+00	3.97980+01	8.95860-01	1.29513+00
-.4	2.573-04	1.27346+00	6.43211+00	7.70558+00	3.88601+01	1.08438+00	1.27277+00
-.2	2.306-04	1.25420+00	6.14113+00	7.39533+00	3.79872+01	1.28177+00	1.25313+00
.0	2.056-04	1.23711+00	5.89430+00	7.13141+00	3.71668+01	1.47581+00	1.23562+00
.2	1.820-04	1.22160+00	5.68139+00	6.90299+00	3.63879+01	1.67033+00	1.21997+00
.4	1.598-04	1.20725+00	5.49343+00	6.70066+00	3.56407+01	1.86520+00	1.20514+00
.6	1.389-04	1.19388+00	5.32294+00	6.51681+00	3.49174+01	2.06036+00	1.19044+00
.8	1.195-04	1.18159+00	5.16404+00	6.34563+00	3.42115+01	2.25586+00	1.17153+00
1.0	1.015-04	1.17095+00	5.01278+00	6.18373+00	3.35187+01	2.45194+00	1.15524+00
1.2	8.510-05	1.16313+00	4.86711+00	6.03025+00	3.28357+01	2.64903+00	1.13961+00
1.4	7.050-05	1.16011+00	4.72680+00	5.88691+00	3.21607+01	2.84790+00	1.12184+00
1.6	5.787-05	1.16495+00	4.59294+00	5.75788+00	3.14919+01	3.04970+00	1.10523+00
1.8	4.729-05	1.18229+00	4.46734+00	5.64962+00	3.09264+01	3.25612+00	1.08804+00
2.0	3.881-05	1.21910+00	4.35201+00	5.57111+00	3.01591+01	3.46944+00	1.07366+00
2.2	3.243-05	1.28565+00	4.24885+00	5.53478+00	2.94805+01	3.69259+00	1.05899+00

T= 6700

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.076-06	1.419-10	2.279-09	1.360-10	3.065-20	2.364-19	3.432-18	1.323-07	3.603-10
-6.8	8.227-06	2.400-10	3.849-08	2.794-10	1.021-19	6.437-19	9.469-18	1.757-07	4.787-10
-6.6	1.377-05	4.009-10	6.428-08	5.648-10	3.332-19	1.749-18	2.593-17	2.308-07	6.292-10
-6.4	2.276-05	6.627-10	1.062-07	1.125-09	1.067-18	4.649-18	6.784-17	3.008-07	8.201-10
-6.2	3.730-05	1.068-09	1.741-07	2.207-09	3.350-18	1.222-17	1.783-16	3.892-07	1.061-09
-6.0	6.071-05	1.769-09	2.835-07	4.269-09	1.039-17	3.182-17	4.642-16	5.008-07	1.366-09
-5.8	9.826-05	2.864-09	4.590-07	8.139-09	3.163-17	8.225-17	1.200-15	6.415-07	1.750-09
-5.6	1.584-04	4.619-09	7.399-07	1.529-08	9.472-17	2.114-16	3.083-15	8.186-07	2.232-09
-5.4	2.564-04	7.421-09	1.189-06	2.830-08	2.781-16	5.406-16	7.882-15	1.041-06	2.844-09
-5.2	4.073-04	1.189-08	1.904-06	5.160-08	8.094-16	1.377-15	2.008-14	1.322-06	3.612-09
-5.0	6.505-04	1.502-08	3.042-06	9.267-08	2.311-15	3.499-15	5.096-14	1.673-06	4.579-09
-4.8	1.036-03	3.036-08	4.852-06	1.640-07	6.490-15	8.866-15	1.290-13	2.114-06	5.798-09
-4.6	1.647-03	4.840-08	7.724-06	2.861-07	1.799-14	2.240-14	3.255-13	2.664-06	7.328-09
-4.4	2.612-03	7.711-08	1.228-05	4.925-07	4.816-14	5.651-14	8.190-13	3.349-06	9.256-09
-4.2	4.120-03	1.228-07	1.948-05	8.373-07	1.326-13	1.422-13	2.054-12	4.195-06	1.168-08
-4.0	6.496-03	1.936-07	3.083-05	1.407-06	3.535-13	3.572-13	5.126-12	5.229-06	1.476-08
-3.8	1.018-02	3.117-07	4.868-05	2.350-06	9.320-13	8.943-13	1.272-11	6.472-06	1.859-08
-3.6	1.576-02	4.973-07	7.639-05	3.851-06	2.432-12	2.231-12	3.127-11	7.928-06	2.342-08
-3.4	2.415-02	7.954-07	1.199-04	6.277-06	6.283-12	5.534-12	7.594-11	9.566-06	2.930-08
-3.2	3.638-02	1.276-06	1.864-04	1.012-05	1.605-11	1.363-11	1.813-10	1.130-05	3.711-08
-3.0	5.358-02	2.055-06	2.871-04	1.609-05	4.043-11	3.328-11	4.231-10	1.297-05	4.657-08
-2.8	7.674-02	3.326-06	4.371-04	2.512-05	1.000-10	8.024-11	9.598-10	1.434-05	5.820-08
-2.6	1.064-01	5.409-06	6.562-04	3.824-05	2.411-10	1.903-10	2.107-09	1.518-05	7.226-08
-2.4	1.422-01	8.833-06	9.698-04	5.623-05	5.611-10	4.462-10	4.459-09	1.529-05	8.891-08
-2.2	1.834-01	1.446-05	1.409-03	7.908-05	1.248-09	1.026-09	9.095-09	1.465-05	1.082-07
-2.0	2.287-01	2.349-05	2.011-03	1.056-04	2.637-09	2.316-09	1.790-08	1.337-05	1.300-07
-1.8	2.747-01	3.878-05	2.823-03	1.335-04	5.269-09	5.134-09	3.405-08	1.168-05	1.544-07
-1.6	3.210-01	6.328-05	3.899-03	1.604-04	9.593-09	1.120-08	6.283-08	9.820-06	1.813-07
-1.4	3.654-01	1.028-04	5.302-03	1.842-04	1.811-08	2.404-08	1.128-07	8.001-06	2.108-07
-1.2	4.067-01	1.661-04	7.109-03	2.042-04	3.162-08	5.079-08	1.978-07	6.355-06	2.430-07
-1.0	4.440-01	2.665-04	9.410-03	2.203-04	5.365-08	1.058-07	3.397-07	4.946-06	2.780-07
-.8	4.769-01	4.246-04	1.231-02	2.329-04	8.906-08	2.172-07	5.727-07	3.789-06	3.158-07
-.6	5.053-01	6.707-04	1.592-02	2.429-04	1.454-07	4.400-07	9.600-07	2.869-06	3.565-07
-.4	5.294-01	1.050-03	2.039-02	2.507-04	2.342-07	8.796-07	1.553-06	2.155-06	4.000-07
-.2	5.496-01	1.625-03	2.585-02	2.570-04	3.730-07	1.736-06	2.504-06	1.611-06	4.459-07
.0	5.663-01	2.484-03	3.244-02	2.622-04	5.880-07	3.367-06	3.985-06	1.203-06	4.938-07
.2	5.800-01	3.742-03	4.030-02	2.666-04	9.176-07	6.434-06	6.262-06	8.993-07	5.431-07
.4	5.913-01	5.540-03	4.950-02	2.703-04	1.417-06	1.207-05	9.709-06	6.764-07	5.931-07
.6	6.005-01	8.035-03	6.007-02	2.737-04	2.163-06	2.220-05	1.485-05	5.136-07	6.430-07
.8	6.083-01	1.138-02	7.193-02	2.767-04	3.261-06	3.995-05	2.236-05	3.955-07	6.919-07
1.0	6.151-01	1.568-02	8.488-02	2.792-04	4.846-06	7.030-05	3.316-05	3.103-07	7.394-07
1.2	6.212-01	2.099-02	9.863-02	2.813-04	7.095-06	1.211-04	4.836-05	2.491-07	7.859-07
1.4	6.268-01	2.723-02	1.126-01	2.826-04	1.023-05	2.049-04	6.934-05	2.056-07	8.329-07
1.6	6.323-01	3.426-02	1.269-01	2.828-04	1.454-05	3.435-04	9.776-05	1.755-07	8.844-07
1.8	6.376-01	4.183-02	1.405-01	2.815-04	2.040-05	5.785-04	1.356-04	1.559-07	9.482-07
2.0	6.428-01	4.968-02	1.533-01	2.780-04	2.836-05	1.000-03	1.850-04	1.460-07	1.040-06
2.2	6.480-01	5.749-02	1.648-01	2.715-04	3.923-05	1.835-03	2.484-04	1.472-07	1.192-06

T= 6700

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.074-23	2.080-06	3.526-11	3.331-10	7.507-02	1.235-14	2.033-02	7.354-19	1.466-04
-6.8	2.314-23	2.762-06	5.682-11	4.425-10	6.167-02	7.940-15	1.665-02	4.729-19	1.182-04
-6.6	4.912-23	3.630-06	9.040-11	5.818-10	5.004-02	5.088-15	1.356-02	3.030-19	9.502-05
-6.4	1.030-22	4.731-06	1.419-10	7.586-10	4.055-02	3.250-15	1.099-02	1.936-19	7.623-05
-6.2	2.139-22	6.123-06	2.199-10	9.823-10	3.273-02	2.072-15	8.869-03	1.234-19	6.104-05
-6.0	4.405-22	7.879-06	3.363-10	1.265-09	2.633-02	1.318-15	7.136-03	7.852-20	4.880-05
-5.8	9.017-22	1.009-05	5.072-10	1.622-09	2.113-02	8.366-16	5.727-03	4.986-20	3.897-05
-5.6	1.837-21	1.288-05	7.545-10	2.072-09	1.692-02	5.304-16	4.586-03	3.162-20	3.109-05
-5.4	3.726-21	1.640-05	1.106-09	2.640-09	1.352-02	3.359-16	3.667-03	2.003-20	2.477-05
-5.2	7.534-21	2.081-05	1.598-09	3.356-09	1.079-02	2.125-16	2.927-03	1.267-20	1.972-05
-5.0	1.520-20	2.637-05	2.276-09	4.259-09	8.599-03	1.343-16	2.335-03	8.014-21	1.570-05
-4.8	3.061-20	3.334-05	3.193-09	5.400-09	6.845-03	8.476-17	1.860-03	5.064-21	1.249-05
-4.6	6.155-20	4.209-05	4.418-09	6.840-09	5.442-03	5.345-17	1.481-03	3.196-21	9.933-06
-4.4	1.237-19	5.303-05	6.030-09	8.661-09	4.321-03	3.365-17	1.179-03	2.019-21	7.898-06
-4.2	2.486-19	6.669-05	8.125-09	1.097-08	3.425-03	2.115-17	9.380-04	1.273-21	6.279-06
-4.0	5.000-19	8.363-05	1.082-08	1.391-08	2.708-03	1.325-17	7.460-04	8.025-22	4.992-06
-3.8	1.007-18	1.045-04	1.423-08	1.768-08	2.133-03	8.260-18	5.932-04	5.050-22	3.968-06
-3.6	2.036-18	1.308-04	1.850-08	2.253-08	1.672-03	5.115-18	4.716-04	3.172-22	3.154-06
-3.4	4.137-18	1.630-04	2.374-08	2.888-08	1.300-03	3.134-18	3.747-04	1.986-22	2.506-06
-3.2	8.469-18	1.951-04	3.001-08	3.731-08	1.000-03	1.891-18	2.974-04	1.236-22	1.989-06
-3.0	1.752-17	2.341-04	3.718-08	4.871-08	7.575-04	1.117-18	2.356-04	7.635-23	1.576-06
-2.8	3.674-17	2.752-04	4.483-08	6.450-08	5.622-04	6.405-19	1.859-04	4.655-23	1.245-06
-2.6	7.832-17	3.155-04	5.210-08	8.683-08	4.070-04	3.543-19	1.457-04	2.789-23	9.769-07
-2.4	1.699-16	3.513-04	5.772-08	1.190-07	2.863-04	1.880-19	1.133-04	1.635-23	7.603-07
-2.2	3.748-16	3.792-04	6.033-08	1.659-07	1.953-04	9.541-20	8.710-05	9.353-24	5.856-07
-2.0	8.385-16	3.971-04	5.909-08	2.347-07	1.294-04	4.641-20	6.619-05	5.221-24	4.460-07
-1.8	1.895-15	4.044-04	5.421-08	3.356-07	8.336-05	2.174-20	4.973-05	2.851-24	3.361-07
-1.6	4.307-15	4.019-04	4.685-08	4.830-07	5.246-05	9.864-21	3.698-05	1.529-24	2.509-07
-1.4	9.802-15	3.912-04	3.852-08	6.969-07	3.237-05	4.367-21	2.726-05	8.087-25	1.858-07
-1.2	2.226-14	3.743-04	3.046-08	1.005-06	1.966-05	1.899-21	1.995-05	4.236-25	1.367-07
-1.0	5.031-14	3.532-04	2.343-08	1.443-06	1.179-05	8.149-22	1.451-05	2.204-25	1.002-07
-.8	1.129-13	3.295-04	1.767-08	2.063-06	7.010-06	3.470-22	1.050-05	1.143-25	7.326-08
-.6	2.510-13	3.047-04	1.317-08	2.930-06	4.140-06	1.472-22	7.574-06	5.918-26	5.349-08
-.4	5.518-13	2.797-04	9.747-09	4.128-06	2.436-06	6.242-23	5.446-06	3.068-26	3.907-08
-.2	1.197-12	2.553-04	7.194-09	5.762-06	1.431-06	2.658-23	3.908-06	1.595-26	2.861-08
.0	2.554-12	2.321-04	5.317-09	7.955-06	8.423-07	1.141-23	2.802-06	8.344-27	2.104-08
.2	5.343-12	2.109-04	3.947-09	1.084-05	4.978-07	4.965-24	2.008-06	4.403-27	1.558-08
.4	1.091-11	1.907-04	2.954-09	1.493-05	2.965-07	2.201-24	1.442-06	2.351-27	1.165-08
.6	2.167-11	1.730-04	2.236-09	1.912-05	1.785-07	9.999-25	1.038-06	1.276-27	8.824-09
.8	4.164-11	1.579-04	1.719-09	2.462-05	1.092-07	4.688-25	7.502-07	7.073-28	6.796-09
1.0	7.719-11	1.441-04	1.347-09	3.094-05	6.805-08	2.283-25	5.461-07	4.021-28	5.342-09
1.2	1.379-10	1.331-04	1.080-09	3.794-05	4.341-08	1.162-25	4.011-07	2.354-28	4.302-09
1.4	2.381-10	1.244-04	8.885-10	4.545-05	2.846-08	6.209-26	2.982-07	1.426-28	3.563-09
1.6	4.005-10	1.183-04	7.538-10	5.350-05	1.927-08	3.500-26	2.254-07	8.966-29	3.048-09
1.8	6.661-10	1.154-04	6.654-10	6.247-05	1.355-08	2.093-26	1.742-07	5.888-29	2.710-09
2.0	1.121-09	1.169-04	6.118-10	7.395-05	1.001-08	1.340-26	1.393-07	4.080-29	2.530-09
2.2	1.980-09	1.253-04	6.023-10	8.951-05	7.909-09	9.400-27	1.174-07	3.053-29	2.526-09

T= 67CC

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.700-15	1.362-04	4.891-14	2.179-11	6.343-01	1.702-01	4.096-03	1.372-05	1.363-05
-6.8	1.095-15	1.354-04	3.818-14	1.744-11	6.614-01	1.776-01	4.205-03	1.738-05	1.389-05
-6.6	6.931-16	1.336-04	2.961-14	1.394-11	6.843-01	1.837-01	4.297-03	2.176-05	1.411-05
-6.4	4.385-16	1.302-04	2.279-14	1.113-11	7.032-01	1.889-01	4.372-03	2.695-05	1.429-05
-6.2	2.773-16	1.259-04	1.739-14	8.881-12	7.188-01	1.931-01	4.434-03	3.298-05	1.444-05
-6.0	1.752-16	1.203-04	1.314-14	7.080-12	7.316-01	1.965-01	4.485-03	3.988-05	1.456-05
-5.8	1.107-16	1.137-04	9.827-15	5.641-12	7.419-01	1.993-01	4.526-03	4.762-05	1.466-05
-5.6	6.993-17	1.061-04	7.261-15	4.491-12	7.503-01	2.016-01	4.559-03	5.612-05	1.474-05
-5.4	4.415-17	9.766-05	5.297-15	3.574-12	7.570-01	2.035-01	4.586-03	6.523-05	1.481-05
-5.2	2.787-17	8.871-05	3.814-15	2.843-12	7.622-01	2.050-01	4.609-03	7.477-05	1.487-05
-5.0	1.759-17	7.946-05	2.709-15	2.261-12	7.663-01	2.062-01	4.627-03	8.448-05	1.491-05
-4.8	1.110-17	7.019-05	1.897-15	1.797-12	7.693-01	2.072-01	4.642-03	9.411-05	1.495-05
-4.6	6.999-18	6.116-05	1.311-15	1.429-12	7.714-01	2.081-01	4.656-03	1.034-04	1.499-05
-4.4	4.414-18	5.260-05	8.943-16	1.135-12	7.725-01	2.089-01	4.670-03	1.122-04	1.502-05
-4.2	2.782-18	4.467-05	6.072-16	9.023-13	7.726-01	2.097-01	4.684-03	1.202-04	1.506-05
-4.0	1.752-18	3.749-05	4.005-16	7.171-13	7.709-01	2.105-01	4.700-03	1.273-04	1.511-05
-3.8	1.103-18	3.110-05	2.690-16	5.699-13	7.676-01	2.116-01	4.722-03	1.335-04	1.518-05
-3.6	6.924-19	2.551-05	1.764-16	4.529-13	7.617-01	2.129-01	4.752-03	1.386-04	1.527-05
-3.4	4.334-19	2.065-05	1.087-16	3.598-13	7.522-01	2.148-01	4.795-03	1.425-04	1.541-05
-3.2	2.699-19	1.647-05	6.800-17	2.856-13	7.379-01	2.175-01	4.855-03	1.450-04	1.560-05
-3.0	1.667-19	1.288-05	4.145-17	2.263-13	7.174-01	2.211-01	4.938-03	1.455-04	1.586-05
-2.8	1.017-19	9.804-06	2.438-17	1.787-13	6.896-01	2.259-01	5.049-03	1.439-04	1.622-05
-2.6	6.102-20	7.196-06	1.368-17	1.402-13	6.538-01	2.320-01	5.190-03	1.379-04	1.667-05
-2.4	3.582-20	5.037-06	7.220-18	1.091-13	6.103-01	2.393-01	5.361-03	1.281-04	1.722-05
-2.2	2.052-20	3.327-06	3.548-18	8.469-14	5.604-01	2.477-01	5.557-03	1.139-04	1.785-05
-2.0	1.148-20	2.061-06	1.614-18	6.402-14	5.060-01	2.566-01	5.770-03	9.616-05	1.854-05
-1.8	6.289-21	1.196-06	6.811-19	4.823-14	4.494-01	2.657-01	5.993-03	7.694-05	1.925-05
-1.6	3.385-21	6.547-07	2.688-19	3.600-14	3.930-01	2.746-01	6.216-03	5.852-05	1.997-05
-1.4	1.799-21	3.412-07	1.005-19	2.666-14	3.388-01	2.828-01	6.431-03	4.261-05	2.066-05
-1.2	9.477-22	1.713-07	3.612-20	1.962-14	2.883-01	2.900-01	6.634-03	2.997-05	2.131-05
-1.0	4.970-22	8.374-08	1.263-20	1.438-14	2.426-01	2.959-01	6.820-03	2.056-05	2.191-05
-.8	2.602-22	4.024-08	4.349-21	1.051-14	2.022-01	3.002-01	6.989-03	1.385-05	2.245-05
-.6	1.364-22	1.915-08	1.487-21	7.671-15	1.671-01	3.030-01	7.141-03	9.224-06	2.294-05
-.4	7.187-23	9.084-09	5.084-22	5.601-15	1.371-01	3.039-01	7.277-03	6.103-06	2.337-05
-.2	3.815-23	4.315-09	1.751-22	4.098-15	1.119-01	3.028-01	7.400-03	4.027-06	2.377-05
.0	2.048-23	2.063-09	6.111-23	3.011-15	9.089-02	2.998-01	7.513-03	2.658-06	2.413-05
.2	1.117-23	9.975-10	2.176-23	2.226-15	7.355-02	2.940-01	7.620-03	1.760-06	2.446-05
.4	6.222-24	4.900-10	7.984-24	1.660-15	5.934-02	2.859-01	7.725-03	1.172-06	2.481-05
.6	3.561-24	2.459-10	3.019-24	1.253-15	4.777-02	2.751-01	7.830-03	7.871-07	2.515-05
.8	2.109-24	1.266-10	1.195-24	9.590-16	3.838-02	2.613-01	7.936-03	5.337-07	2.550-05
1.0	1.300-24	6.727-11	4.982-25	7.466-16	3.078-02	2.448-01	8.051-03	3.658-07	2.586-05
1.2	8.409-25	3.700-11	2.200-25	5.922-16	2.464-02	2.256-01	8.170-03	2.535-07	2.624-05
1.4	5.737-25	2.112-11	1.034-25	4.789-16	1.967-02	2.043-01	8.293-03	1.775-07	2.664-05
1.6	4.155-25	1.254-11	5.198-26	3.945-16	1.563-02	1.815-01	8.419-03	1.251-07	2.704-05
1.8	3.222-25	7.749-12	2.801-26	3.305-16	1.233-02	1.579-01	8.546-03	8.833-08	2.745-05
2.0	2.718-25	4.959-12	1.632-26	2.811-16	9.632-03	1.342-01	8.672-03	6.201-08	2.785-05
2.2	2.572-25	3.390-12	1.049-26	2.424-16	7.399-03	1.109-01	8.795-03	4.281-08	2.825-05

T= 67CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	9.569-02	2.20158+00	2.38920+01	2.60936+01	8.43758+01	-5.26734+00	2.20161+00
-6.8	7.837-02	2.16021+00	2.28058+01	2.49666+01	8.22856+01	-5.07557+00	2.16024+00
-6.6	6.383-02	2.12665+00	2.19244+01	2.40511+01	8.04174+01	-4.89238+00	2.12667+00
-6.4	5.175-02	2.09952+00	2.12123+01	2.33119+01	7.87324+01	-4.68795+00	2.09955+00
-6.2	4.179-02	2.07767+00	2.06389+01	2.27165+01	7.71973+01	-4.49249+00	2.07770+00
-6.0	3.364-02	2.06011+00	2.01781+01	2.22382+01	7.57840+01	-4.29618+00	2.06013+00
-5.8	2.702-02	2.04600+00	1.98083+01	2.18543+01	7.44689+01	-4.09917+00	2.04602+00
-5.6	2.165-02	2.03465+00	1.95116+01	2.15462+01	7.32326+01	-3.90158+00	2.03467+00
-5.4	1.733-02	2.02549+00	1.92729+01	2.12984+01	7.20591+01	-3.70354+00	2.02550+00
-5.2	1.385-02	2.01802+00	1.90759+01	2.10975+01	7.09351+01	-3.50515+00	2.01803+00
-5.0	1.106-02	2.01182+00	1.89218+01	2.09336+01	6.98492+01	-3.30648+00	2.01183+00
-4.8	8.824-03	2.00649+00	1.87893+01	2.07958+01	6.87915+01	-3.10763+00	2.00650+00
-4.6	7.040-03	2.00164+00	1.86735+01	2.06751+01	6.77528+01	-2.90869+00	2.00165+00
-4.4	5.617-03	1.99682+00	1.85651+01	2.05615+01	6.67237+01	-2.70973+00	1.99682+00
-4.2	4.484-03	1.99148+00	1.84536+01	2.04451+01	6.56938+01	-2.51089+00	1.99149+00
-4.0	3.585-03	1.98494+00	1.83261+01	2.03110+01	6.46506+01	-2.31232+00	1.98494+00
-3.8	2.872-03	1.97623+00	1.81655+01	2.01418+01	6.35778+01	-2.11423+00	1.97624+00
-3.6	2.310-03	1.96411+00	1.79501+01	1.99142+01	6.24550+01	-1.91691+00	1.96411+00
-3.4	1.868-03	1.94700+00	1.76527+01	1.95998+01	6.12568+01	-1.72070+00	1.94701+00
-3.2	1.522-03	1.92315+00	1.72434+01	1.91665+01	5.99560+01	-1.52606+00	1.92315+00
-3.0	1.255-03	1.89096+00	1.66947+01	1.85857+01	5.85288+01	-1.33339+00	1.89096+00
-2.8	1.049-03	1.84956+00	1.59919+01	1.78415+01	5.69643+01	-1.14300+00	1.84956+00
-2.6	8.916-04	1.79933+00	1.51412+01	1.69405+01	5.52731+01	-9.54960-01	1.79932+00
-2.4	7.719-04	1.74208+00	1.41734+01	1.59155+01	5.34897+01	-7.69000-01	1.74207+00
-2.2	6.802-04	1.68073+00	1.31379+01	1.48186+01	5.16659+01	-5.84570-01	1.68071+00
-2.0	6.085-04	1.61855+00	1.20901+01	1.37086+01	4.98586+01	-4.00940-01	1.61853+00
-1.8	5.506-04	1.55849+00	1.10797+01	1.26361+01	4.81165+01	-2.17370-01	1.55845+00
-1.6	5.018-04	1.50266+00	1.01432+01	1.16458+01	4.64754+01	-3.32100-02	1.50260+00
-1.4	4.589-04	1.45234+00	9.30239+00	1.07547+01	4.49544+01	1.52000-01	1.45227+00
-1.2	4.199-04	1.40803+00	8.56590+00	9.97393+00	4.35595+01	3.38540-01	1.40791+00
-1.0	3.835-04	1.36963+00	7.93271+00	9.30234+00	4.22870+01	5.26530-01	1.36944+00
-.8	3.492-04	1.33666+00	7.39559+00	8.73224+00	4.11269+01	7.15950-01	1.33637+00
-.6	3.168-04	1.30845+00	6.94385+00	8.25230+00	4.00663+01	9.06670-01	1.30801+00
-.4	2.860-04	1.28425+00	6.56538+00	7.84983+00	3.90909+01	1.09858+00	1.28356+00
-.2	2.570-04	1.26329+00	6.24787+00	7.51117+00	3.81870+01	1.29143+00	1.26221+00
.0	2.295-04	1.24485+00	5.97962+00	7.22447+00	3.73413+01	1.48505+00	1.24316+00
.2	2.036-04	1.22832+00	5.74987+00	6.97820+00	3.65421+01	1.67974+00	1.22568+00
.4	1.792-04	1.21324+00	5.54913+00	6.76236+00	3.57792+01	1.87387+00	1.20911+00
.6	1.563-04	1.19934+00	5.36927+00	6.56862+00	3.50439+01	2.06887+00	1.19269+00
.8	1.348-04	1.18671+00	5.20382+00	6.39053+00	3.43291+01	2.26427+00	1.17663+00
1.0	1.149-04	1.17584+00	5.04811+00	6.22396+00	3.36295+01	2.46028+00	1.16010+00
1.2	9.663-05	1.16784+00	4.89942+00	6.06726+00	3.29413+01	2.65731+00	1.14326+00
1.4	8.032-05	1.16462+00	4.75686+00	5.92149+00	3.22620+01	2.85611+00	1.12627+00
1.6	6.614-05	1.16922+00	4.62104+00	5.79026+00	3.15891+01	3.05783+00	1.10939+00
1.8	5.422-05	1.18626+00	4.49344+00	5.67976+00	3.09198+01	3.26411+00	1.09290+00
2.0	4.465-05	1.22271+00	4.37593+00	5.59066+00	3.02485+01	3.47725+00	1.07706+00
2.2	3.743-05	1.28904+00	4.27039+00	5.55942+00	2.95660+01	3.70019+00	1.06193+00

T= 6800

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.522-06	1.101-10	1.612-08	8.759-11	1.716-20	1.717-19	2.374-18	1.234-07	9.476-10
-6.8	6.019-06	2.023-10	3.103-08	1.822-10	9.819-20	6.792-19	6.627-18	1.656-07	4.662-10
-6.6	1.027-05	3.412-10	5.237-08	3.737-10	1.926-19	1.310-18	1.812-17	2.198-07	6.178-10
-6.4	1.718-05	5.605-10	8.728-08	7.516-10	6.247-19	3.921-18	4.872-17	2.681-07	0.104-10
-6.2	2.826-05	9.300-10	1.440-07	1.489-09	1.989-18	9.357-18	1.292-16	3.749-07	1.056-09
-6.0	4.627-05	1.539-09	2.357-07	2.906-09	6.219-18	2.449-17	3.390-16	4.847-07	1.363-09
-5.8	7.525-05	2.496-09	3.834-07	5.587-09	1.912-17	6.368-17	8.814-16	6.233-07	1.752-09
-5.6	1.217-04	4.039-09	6.202-07	1.059-08	5.781-17	1.664-16	2.276-15	7.979-07	2.243-09
-5.4	1.961-04	6.507-09	9.991-07	1.976-08	1.719-16	4.221-16	5.841-15	1.018-06	2.862-09
-5.2	3.167-04	1.045-08	1.604-06	3.691-08	5.031-16	1.079-15	1.492-14	1.296-06	3.641-09
-5.0	5.086-04	1.674-08	2.568-06	6.574-08	1.449-15	2.746-15	3.798-14	1.641-06	4.622-09
-4.8	8.039-04	2.675-08	4.102-06	1.172-07	4.105-15	6.972-15	9.635-14	2.077-06	5.850-09
-4.6	1.200-03	4.269-08	6.538-06	2.060-07	1.146-14	1.765-14	2.437-13	2.623-06	7.413-09
-4.4	2.033-03	6.804-08	1.040-05	3.571-07	3.153-14	4.459-14	6.144-13	3.303-06	9.371-09
-4.2	3.220-03	1.004-07	1.653-05	6.199-07	8.561-14	1.124-13	1.544-12	4.143-06	1.184-08
-4.0	5.081-03	1.727-07	2.620-05	1.053-06	2.220-13	2.827-13	3.866-12	5.187-06	1.494-08
-3.8	7.977-03	2.751-07	4.146-05	1.727-06	6.008-13	7.092-13	9.627-12	6.450-06	1.885-08
-3.6	1.264-02	4.307-07	6.534-05	2.697-06	1.597-12	1.773-12	2.380-11	7.953-06	2.378-08
-3.4	1.919-02	7.000-07	1.026-04	4.602-06	4.169-12	4.413-12	5.822-11	9.684-06	2.938-08
-3.2	2.920-02	1.122-06	1.691-04	7.595-06	1.067-11	1.092-11	1.404-10	1.160-05	3.776-08
-3.0	4.357-02	1.803-06	2.679-04	1.218-05	2.711-11	2.679-11	3.320-10	1.395-05	4.751-08
-2.8	6.341-02	2.911-06	3.800-04	1.924-05	6.783-11	6.504-11	7.652-10	1.532-05	5.961-08
-2.6	8.951-02	4.721-06	5.750-04	2.977-05	1.662-10	1.550-10	1.711-09	1.665-05	7.443-08
-2.4	1.221-01	7.692-06	8.571-04	4.476-05	3.957-10	3.677-10	3.693-09	1.727-05	9.224-08
-2.2	1.605-01	1.257-05	1.257-03	6.475-05	9.057-10	8.532-10	7.685-09	1.705-05	1.132-07
-2.0	2.035-01	2.059-05	1.811-03	8.931-05	1.976-09	1.945-09	1.541-08	1.600-05	1.372-07
-1.8	2.494-01	3.372-05	2.565-03	1.167-04	4.082-09	4.353-09	2.984-08	1.433-05	1.642-07
-1.6	2.960-01	5.510-05	3.572-03	1.446-04	7.985-09	9.576-09	5.595-08	1.232-05	1.943-07
-1.4	3.416-01	8.968-05	4.896-03	1.705-04	1.485-08	2.071-08	1.019-07	1.022-05	2.273-07
-1.2	3.847-01	1.452-04	6.611-03	1.929-04	2.649-08	4.408-08	1.808-07	8.234-06	2.634-07
-1.0	4.242-01	2.336-04	8.805-03	2.113-04	4.566-08	9.239-08	3.137-07	6.485-06	3.027-07
-.8	4.595-01	3.732-04	1.158-02	2.260-04	7.669-08	1.909-07	5.336-07	5.015-06	3.452-07
-.6	4.903-01	5.912-04	1.506-02	2.375-04	1.263-07	3.689-07	8.917-07	3.826-06	3.909-07
-.4	5.167-01	9.279-04	1.937-02	2.466-04	2.067-07	7.813-07	1.467-06	2.890-06	4.398-07
-.2	5.389-01	1.441-03	2.465-02	2.538-04	3.276-07	1.546-06	2.379-06	2.170-06	4.917-07
.0	5.574-01	2.211-03	3.105-02	2.597-04	5.186-07	3.020-06	3.806-06	1.625-06	5.460-07
.2	5.726-01	3.344-03	3.870-02	2.646-04	8.123-07	5.800-06	6.007-06	1.217-06	6.024-07
.4	5.851-01	4.974-03	4.771-02	2.687-04	1.259-06	1.094-05	9.355-06	9.167-07	6.600-07
.6	5.954-01	7.251-03	5.810-02	2.724-04	1.929-06	2.025-05	1.437-05	6.963-07	7.181-07
.8	6.040-01	1.033-02	6.983-02	2.756-04	2.918-06	3.668-05	2.173-05	5.360-07	7.759-07
1.0	6.114-01	1.433-02	8.273-02	2.784-04	4.355-06	6.500-05	3.237-05	4.200-07	8.332-07
1.2	6.179-01	1.933-02	9.652-02	2.807-04	6.406-06	1.128-04	4.741-05	3.368-07	8.904-07
1.4	6.238-01	2.528-02	1.108-01	2.823-04	9.283-06	1.925-04	6.828-05	2.777-07	9.496-07
1.6	6.295-01	3.206-02	1.252-01	2.830-04	1.326-05	3.253-04	9.667-05	2.367-07	1.015-06
1.8	6.349-01	3.946-02	1.392-01	2.821-04	1.871-05	5.522-04	1.346-04	2.104-07	1.097-06
2.0	6.403-01	4.721-02	1.525-01	2.792-04	2.616-05	9.619-04	1.844-04	1.972-07	1.213-06
2.2	6.456-01	5.501-02	1.645-01	2.734-04	3.640-05	1.777-03	2.484-04	1.992-07	1.403-06

T= 6800

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.196-23	1.785-06	2.775-11	3.630-10	8.568-C7	2.643-14	2.355-02	1.780-18	1.818-04
-6.8	2.618-23	2.395-06	4.521-11	4.871-10	7.303-02	1.709-14	1.939-02	1.148-18	1.470-04
-6.6	5.618-23	3.174-06	7.259-11	6.457-10	5.974-C2	1.096-14	1.586-02	7.373-19	1.185-04
-6.4	1.189-22	4.165-06	1.149-10	8.475-10	4.860-C2	7.017-15	1.290-02	4.722-19	9.525-05
-6.2	2.480-22	5.470-06	1.796-10	1.103-C9	3.936-02	4.482-15	1.044-02	3.015-19	7.640-05
-6.0	5.157-22	7.206-06	2.768-10	1.427-C9	3.175-C2	2.856-15	8.422-03	1 921-19	6.117-05
-5.8	1.061-21	9.008-06	4.208-10	1.836-C9	2.553-C2	1.816-15	6.773-03	1.222-19	4.890-05
-5.6	2.169-21	1.153-05	6.308-10	2.352-C9	2.048-02	1.153-15	5.433-03	7.755-20	3.905-05
-5.4	4.413-21	1.471-05	9.323-10	3.004-C9	1.639-02	7.303-16	4.349-03	4.917-20	3.114-05
-5.2	8.947-21	1.871-05	1.358-09	3.825-C9	1.310-C2	4.627-16	3.476-03	3.114-20	2.482-05
-5.0	1.808-20	2.374-05	1.948-09	4.861-09	1.045-C2	2.927-16	2.775-03	1.970-20	1.976-05
-4.8	3.646-20	3.007-05	2.754-09	6.168-C9	8.329-03	1.849-16	2.212-03	1.246-20	1.573-05
-4.6	7.341-20	3.801-05	3.838-09	7.818-C9	6.628-03	1.167-16	1.763-03	7.873-21	1.251-05
-4.4	1.476-19	4.796-05	5.275-09	9.904-C9	5.268-03	7.358-17	1.404-03	4.972-21	9.954-06
-4.2	2.967-19	6.039-05	7.155-09	1.254-C8	4.181-03	4.631-17	1.117-03	3.139-21	7.916-06
-4.0	5.965-19	7.588-05	9.586-09	1.589-C8	3.321-03	2.908-17	8.890-04	1.980-21	6.294-06
-3.8	1.200-18	9.505-05	1.269-08	2.017-C8	2.615-03	1.819-17	7.072-04	1.248-21	5.005-06
-3.6	2.421-18	1.185-04	1.661-08	2.565-C8	2.057-03	1.132-17	5.625-04	7.854-22	3.980-06
-3.4	4.902-18	1.469-04	2.149-08	3.276-C8	1.608-03	6.989-18	4.474-04	4.932-22	3.165-06
-3.2	9.982-18	1.804-04	2.742-08	4.210-C8	1.246-03	4.263-18	3.556-04	3.086-22	2.516-06
-3.0	2.050-17	2.187-04	3.442-08	5.457-C8	9.530-04	2.555-18	2.823-04	1.919-22	1.998-06
-2.8	4.261-17	2.605-04	4.227-08	7.159-C8	7.167-04	1.494-18	2.236-04	1.183-22	1.584-06
-2.6	8.985-17	3.034-04	5.036-08	9.532-C8	5.272-04	8.469-19	1.763-04	7.184-23	1.250-06
-2.4	1.926-16	3.441-04	5.759-08	1.291-C7	3.776-04	4.619-19	1.380-04	4.282-23	9.796-07
-2.2	4.202-16	3.786-04	6.252-08	1.779-C7	2.625-04	2.413-19	1.070-04	2.434-23	7.607-07
-2.0	9.310-16	4.038-04	6.383-08	2.493-07	1.771-04	1.207-19	8.202-05	1.417-23	5.843-07
-1.8	2.089-15	4.182-04	6.101-08	3.539-07	1.160-04	5.790-20	6.213-05	7.864-24	4.438-07
-1.6	4.725-15	4.216-04	5.470-08	5.068-C7	7.406-05	2.682-20	4.653-05	4.273-24	3.335-07
-1.4	1.073-14	4.154-04	4.636-08	7.293-C7	4.624-05	1.207-20	3.450-05	2.284-24	2.484-07
-1.2	2.435-14	4.014-04	3.754-08	1.051-C6	2.836-05	5.312-21	2.537-05	1.205-24	1.837-07
-1.0	5.509-14	3.819-04	2.937-08	1.510-C6	1.714-05	2.302-21	1.853-05	6.310-25	1.352-07
-.8	1.239-13	3.586-04	2.243-08	2.162-C6	1.025-05	9.872-22	1.346-05	3.286-25	9.907-08
-.6	2.761-13	3.333-04	1.685-08	3.077-C6	6.084-C6	4.209-22	9.730-06	1.707-25	7.249-08
-.4	6.090-13	3.073-04	1.254-08	4.346-C6	3.592-06	1.792-22	7.012-06	8.870-26	5.303-08
-.2	1.326-12	2.819-04	9.293-09	6.084-C6	2.117-06	7.651-23	5.041-06	4.621-26	3.887-08
.0	2.842-12	2.587-04	6.883-09	8.427-06	1.248-06	3.290-23	3.620-06	2.420-26	2.859-08
.2	5.976-12	2.334-04	5.115-09	1.152-C5	7.381-07	1.432-23	2.598-06	1.278-26	2.117-08
.4	1.229-11	2.119-04	3.829-09	1.552-C5	4.396-07	6.343-24	1.867-06	6.828-27	1.582-08
.6	2.458-11	1.926-04	2.698-09	2.053-C5	2.646-07	2.877-24	1.346-06	3.707-27	1.197-08
.8	4.764-11	1.756-04	2.226-09	2.658-C5	1.616-07	1.346-24	9.741-07	2.095-27	9.203-09
1.0	8.916-11	1.610-04	1.742-09	3.362-C5	1.006-07	6.538-25	7.100-07	1.168-27	7.221-09
1.2	1.610-10	1.490-04	1.393-09	4.151-05	6.406-08	3.319-25	5.224-07	6.847-28	5.805-09
1.4	2.811-10	1.396-04	1.147-09	5.009-C5	4.193-08	1.771-25	3.892-07	4.155-28	4.800-09
1.6	4.782-10	1.331-04	9.733-10	5.938-C5	2.834-08	9.982-26	2.948-07	2.622-28	4.102-09
1.8	8.038-10	1.302-04	8.577-10	6.983-C5	1.992-08	5.980-26	2.256-07	1.732-28	3.646-09
2.0	1.367-09	1.323-04	7.933-10	8.277-05	1.470-08	3.850-26	1.835-07	1.211-28	3.408-09
2.2	2.439-09	1.427-04	7.848-10	1.014-C4	1.162-08	2.730-26	1.552-07	9.190-29	3.410-09

T= 6800

LOG D	A++	C+	C++	NE+	H	O	A	C	NE
-7.0	3.706-15	1.351-04	7.702-14	3.162-11	6.074-01	1.635-01	3.981-03	1.201-05	1.337-05
-6.8	2.349-15	1.351-04	6.031-14	2.532-11	6.306-01	1.718-01	4.109-03	1.532-05	1.367-05
-6.6	1.486-15	1.350-04	4.695-14	2.026-11	6.551-01	1.789-01	4.217-03	1.933-05	1.393-05
-6.4	9.406-16	1.314-04	3.629-14	1.619-11	6.873-01	1.848-01	4.306-03	2.411-05	1.414-05
-6.2	5.951-16	1.277-04	2.783-14	1.293-11	7.258-01	1.898-01	4.380-03	2.972-05	1.432-05
-6.0	3.763-16	1.229-04	2.116-14	1.031-11	7.269-01	1.938-01	4.441-03	3.620-05	1.446-05
-5.8	2.379-16	1.168-04	1.590-14	8.221-12	7.333-01	1.971-01	4.490-03	4.354-05	1.458-05
-5.6	1.503-16	1.096-04	1.182-14	6.549-12	7.433-01	1.998-01	4.530-03	5.168-05	1.468-05
-5.4	9.495-17	1.018-04	8.679-15	5.214-12	7.514-01	2.020-01	4.563-03	6.052-05	1.476-05
-5.2	5.996-17	9.311-05	6.292-15	4.149-12	7.578-01	2.038-01	4.590-03	6.989-05	1.482-05
-5.0	3.785-17	8.401-05	4.500-15	3.300-12	7.628-01	2.052-01	4.611-03	7.955-05	1.487-05
-4.8	2.389-17	7.474-05	3.174-15	2.625-12	7.667-01	2.064-01	4.629-03	8.927-05	1.492-05
-4.6	1.507-17	6.558-05	2.209-15	2.087-12	7.695-01	2.074-01	4.645-03	9.878-05	1.496-05
-4.	9.510-18	5.678-05	1.517-15	1.659-12	7.713-01	2.083-01	4.659-03	1.078-04	1.500-05
-4.2	5.998-18	4.853-05	1.028-15	1.319-12	7.720-01	2.091-01	4.673-03	1.163-04	1.504-05
-4.0	3.781-18	4.098-05	6.886-16	1.048-12	7.715-01	2.099-01	4.689-03	1.239-04	1.508-05
-3.8	2.382-18	3.421-05	4.553-16	8.333-13	7.693-01	2.109-01	4.708-03	1.306-04	1.514-05
-3.6	1.490-18	2.824-05	2.974-16	6.625-13	7.650-01	2.121-01	4.733-03	1.363-04	1.522-05
-3.4	9.412-19	2.306-05	1.916-16	5.287-13	7.576-01	2.137-01	4.769-03	1.409-04	1.533-05
-3.2	5.890-19	1.855-05	1.214-16	4.187-13	7.461-01	2.159-01	4.819-03	1.442-04	1.549-05
-3.0	3.685-19	1.470-05	7.537-17	3.325-13	7.292-01	2.190-01	4.889-03	1.459-04	1.571-05
-2.8	2.259-19	1.139-05	4.546-17	2.635-13	7.055-01	2.231-01	4.984-03	1.455-04	1.602-05
-2.6	1.374-19	8.570-06	2.634-17	2.079-13	6.741-01	2.285-01	5.109-03	1.422-04	1.642-05
-2.4	8.197-20	6.191-06	1.449-17	1.629-13	6.347-01	2.351-01	5.265-03	1.350-04	1.691-05
-2.2	4.783-20	4.268-06	7.460-18	1.265-13	5.881-01	2.429-01	5.448-03	1.234-04	1.750-05
-2.0	2.723-20	2.742-06	3.574-18	9.718-14	5.358-01	2.516-01	5.653-03	1.076-04	1.816-05
-1.8	1.515-20	1.650-06	1.583-18	7.380-14	4.801-01	2.606-01	5.872-03	8.903-05	1.886-05
-1.6	8.262-21	9.412-07	6.520-19	5.547-14	4.234-01	2.696-01	6.096-03	6.982-05	1.958-05
-1.4	4.435-21	5.055-07	2.524-19	4.131-14	3.677-01	2.781-01	6.317-03	5.217-05	2.029-05
-1.2	2.355-21	2.597-07	9.310-20	3.055-14	3.151-01	2.857-01	6.528-03	3.745-05	2.097-05
-1.0	1.242-21	1.292-07	3.318-20	2.247-14	2.668-01	2.922-01	6.724-03	2.608-05	2.160-05
-.8	6.527-22	6.280-08	1.157-20	1.647-14	2.234-01	2.972-01	6.904-03	1.776-05	2.217-05
-.6	3.432-22	3.013-08	3.989-21	1.205-14	1.855-01	3.006-01	7.066-03	1.192-05	2.269-05
-.4	1.810-22	1.436-08	1.371-21	8.809-15	1.528-01	3.022-01	7.211-03	7.924-06	2.316-05
-.2	9.617-23	6.840-09	4.734-22	6.492-15	1.250-01	3.018-01	7.343-03	5.245-06	2.359-05
.0	5.163-23	3.274-09	1.653-22	4.747-15	1.018-01	2.993-01	7.463-03	3.468-06	2.397-05
.2	2.814-23	1.582-09	5.881-23	3.505-15	8.254-02	2.944-01	7.576-03	2.298-06	2.433-05
.4	1.565-23	7.758-10	2.147-23	2.613-15	6.670-02	2.872-01	7.685-03	1.530-06	2.468-05
.6	8.939-24	3.881-10	8.107-24	1.969-15	5.375-02	2.769-01	7.793-03	1.026-06	2.503-05
.8	5.278-24	1.692-10	3.194-24	1.505-15	4.323-02	2.640-01	7.903-03	6.941-07	2.538-05
1.0	3.246-24	1.053-10	1.324-24	1.169-15	3.469-02	2.481-01	8.017-03	4.747-07	2.575-05
1.2	2.093-24	5.765-11	5.812-25	9.259-16	2.778-02	2.296-01	8.136-03	3.281-07	2.613-05
1.4	1.425-24	3.277-11	2.720-25	7.475-16	2.218-02	2.087-01	8.260-03	2.290-07	2.653-05
1.6	1.032-24	1.938-11	1.363-25	6.152-16	1.763-02	1.862-01	8.388-03	1.610-07	2.694-05
1.8	8.020-25	1.195-11	7.342-26	5.154-16	1.392-02	1.627-01	8.516-03	1.135-07	2.735-05
2.0	6.801-25	7.701-12	4.294-26	4.388-16	1.087-02	1.388-01	8.644-03	7.955-08	2.777-05
2.2	6.505-25	5.232-12	2.786-26	3.794-16	8.355-03	1.151-01	8.771-03	5.489-08	2.817-05

T= 6800

LOG D	B+	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	1.126-01	2.24341+00	2.46910+01	2.69344+01	8.55344+01	-5.25277+00	2.24345+00
-6.8	9.270-02	2.19432+00	2.34199+01	2.56143+01	8.32420+01	-5.06234+00	2.19436+00
-6.6	7.585-02	2.15431+00	2.23939+01	2.45302+01	8.12050+01	-4.87033+00	2.15435+00
-6.4	6.173-02	2.12187+00	2.15439+01	2.36657+01	7.93806+01	-4.67692+00	2.12190+00
-6.2	5.001-02	2.09556+00	2.08656+01	2.29612+01	7.77314+01	-4.48232+00	2.09569+00
-6.0	4.036-02	2.07456+00	2.03195+01	2.23946+01	7.62253+01	-4.28671+00	2.07459+00
-5.8	3.248-02	2.05760+00	1.98807+01	2.19363+01	7.48352+01	-4.09028+00	2.05762+00
-5.6	2.608-02	2.04356+00	1.95286+01	2.15726+01	7.35368+01	-3.89316+00	2.04398+00
-5.4	2.089-02	2.03298+00	1.92458+01	2.12788+01	7.23173+01	-3.69550+00	2.03300+00
-5.2	1.671-02	2.02409+00	1.90179+01	2.10426+01	7.11553+01	-3.49741+00	2.02411+00
-5.0	1.336-02	2.01681+00	1.88330+01	2.08498+01	7.00400+01	-3.29897+00	2.01683+00
-4.8	1.069-02	2.01070+00	1.86805+01	2.06912+01	6.89601+01	-3.10029+00	2.01071+00
-4.6	8.510-03	2.00535+00	1.85510+01	2.05564+01	6.79060+01	-2.90145+00	2.00536+00
-4.4	6.790-03	2.00034+00	1.84354+01	2.04357+01	6.68681+01	-2.70253+00	2.00035+00
-4.2	5.419-03	1.99518+00	1.83238+01	2.03190+01	6.58364+01	-2.50366+00	1.99519+00
-4.0	4.328-03	1.98924+00	1.82046+01	2.01939+01	6.47998+01	-2.30495+00	1.98925+00
-3.8	3.463-03	1.98172+00	1.80632+01	2.00449+01	6.37440+01	-2.10659+00	1.98173+00
-3.6	2.778-03	1.97153+00	1.78807+01	1.98522+01	6.26510+01	-1.90883+00	1.97153+00
-3.4	2.238-03	1.95725+00	1.76328+01	1.95901+01	6.14983+01	-1.71199+00	1.95726+00
-3.2	1.814-03	1.93720+00	1.72910+01	1.92282+01	6.02576+01	-1.51646+00	1.93721+00
-3.0	1.484-03	1.90964+00	1.68259+01	1.87356+01	5.89084+01	-1.32269+00	1.90964+00
-2.8	1.229-03	1.87322+00	1.62148+01	1.80881+01	5.74260+01	-1.13105+00	1.87322+00
-2.6	1.033-03	1.82757+00	1.54517+01	1.72793+01	5.58104+01	-9.41760-01	1.82757+00
-2.4	8.841-04	1.77376+00	1.45540+01	1.63278+01	5.40832+01	-7.54740-01	1.77376+00
-2.2	7.702-04	1.71418+00	1.35617+01	1.52754+01	5.22877+01	-5.69580-01	1.71417+00
-2.0	6.822-04	1.65200+00	1.25277+01	1.41797+01	5.04786+01	-3.85630-01	1.65198+00
-1.8	6.126-04	1.59040+00	1.15055+01	1.30959+01	4.87059+01	-2.02130-01	1.59037+00
-1.6	5.555-04	1.53200+00	1.05384+01	1.20704+01	4.70241+01	-1.83800-02	1.53135+00
-1.4	5.066-04	1.47852+00	9.65589+00	1.11344+01	4.54487+01	1.66190-01	1.47844+00
-1.2	4.631-04	1.43084+00	8.87295+00	1.03038+01	4.39961+01	3.51950-01	1.43072+00
-1.0	4.231-04	1.38916+00	8.19328+00	9.58244+00	4.26673+01	5.39120-01	1.38897+00
-.8	3.857-04	1.35319+00	7.61763+00	8.96582+00	4.14555+01	7.27720-01	1.35290+00
-.6	3.504-04	1.32234+00	7.12196+00	8.44431+00	4.03430+01	9.17710-01	1.32189+00
-.4	3.169-04	1.29589+00	6.70986+00	8.00575+00	3.93342+01	1.10893+00	1.29519+00
-.2	2.853-04	1.27307+00	6.36411+00	7.63718+00	3.83970+01	1.30122+00	1.27198+00
.0	2.553-04	1.25314+00	6.07274+00	7.32588+00	3.75241+01	1.49436+00	1.25164+00
.2	2.270-04	1.23546+00	5.82458+00	7.06004+00	3.67030+01	1.68819+00	1.23381+00
.4	2.003-04	1.21951+00	5.60960+00	6.82911+00	3.59228+01	1.88255+00	1.21537+00
.6	1.751-04	1.20501+00	5.41911+00	6.62411+00	3.51741+01	2.07735+00	1.19854+00
.8	1.515-04	1.19195+00	5.24601+00	6.43796+00	3.44491+01	2.27262+00	1.18184+00
1.0	1.295-04	1.18079+00	5.08496+00	6.26574+00	3.37418+01	2.46854+00	1.16501+00
1.2	1.093-04	1.17257+00	4.93258+00	6.10515+00	3.30477+01	2.66550+00	1.14793+00
1.4	9.114-05	1.16914+00	4.78733+00	5.95647+00	3.23635+01	2.86423+00	1.13070+00
1.6	7.524-05	1.17349+00	4.64927+00	5.82277+00	3.16864+01	3.06584+00	1.11354+00
1.8	6.193-05	1.19024+00	4.51954+00	5.70978+00	3.10130+01	3.27200+00	1.09672+00
2.0	5.116-05	1.22434+00	4.39881+00	5.62615+00	3.03378+01	3.48497+00	1.08048+00
2.2	4.305-05	1.29225+00	4.29189+00	5.58614+00	2.96513+01	3.70771+00	1.06490+00

T= 69CC

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.579-06	9.777-11	1.434-08	5.692-11	9.633-21	1.230-19	1.622-18	1.141-07	3.332-10
-6.8	4.607-06	1.698-10	2.493-08	1.200-10	3.326-20	3.525-19	4.622-18	1.550-07	4.510-10
-6.6	7.668-06	2.896-10	4.257-08	2.482-10	1.119-19	9.791-19	1.205-17	2.076-07	6.041-10
-6.4	1.291-05	4.870-10	7.163-08	5.047-10	3.682-19	2.666-18	3.501-17	2.747-07	7.903-10
-6.2	2.148-05	8.055-10	1.191-07	1.010-09	1.187-18	7.143-18	9.385-17	3.599-07	1.045-09
-6.0	3.540-05	1.333-09	1.962-07	1.986-09	3.754-18	1.889-17	2.483-16	4.673-07	1.357-09
-5.8	5.788-05	2.170-09	3.207-07	3.857-09	1.166-17	4.965-17	6.502-16	6.043-07	1.752-09
-5.6	9.404-05	3.537-09	5.210-07	7.370-09	3.560-17	1.284-16	1.688-15	7.763-07	2.250-09
-5.4	1.520-04	5.716-09	8.420-07	1.387-08	1.069-16	3.310-16	4.353-15	9.932-07	2.878-09
-5.2	2.447-04	9.202-09	1.355-06	2.570-08	3.150-16	8.488-16	1.116-14	1.266-06	3.669-09
-5.0	3.925-04	1.477-08	2.175-06	4.690-08	9.164-16	2.167-15	2.869-14	1.609-06	4.655-09
-4.8	6.277-04	2.364-08	3.480-06	8.429-08	2.619-15	5.514-15	7.246-14	2.040-06	5.920-09
-4.6	1.001-03	3.777-08	5.555-06	1.492-07	7.367-15	1.399-14	1.837-13	2.580-06	7.499-09
-4.4	1.593-03	6.027-08	8.851-06	2.669-07	2.042-14	3.539-14	4.661-13	3.255-06	9.469-09
-4.2	2.526-03	9.607-08	1.408-05	4.482-07	5.581-14	8.935-14	1.169-12	4.096-06	1.194-08
-4.0	3.990-03	1.531-07	2.235-05	7.625-07	1.506-13	2.251-13	2.934-12	5.136-06	1.513-08
-3.8	6.297-03	2.415-07	3.539-05	1.282-06	4.015-13	5.655-13	7.329-12	6.410-06	1.913-08
-3.6	9.858-03	3.780-07	5.591-05	2.132-06	1.059-12	1.417-12	1.820-11	7.946-06	2.414-08
-3.4	1.530-02	6.202-07	8.800-05	3.512-06	2.766-12	3.535-12	4.479-11	9.752-06	3.045-08
-3.2	2.347-02	9.917-07	1.376-04	5.728-06	7.152-12	8.777-12	1.089-10	1.180-05	3.840-08
-3.0	3.541-02	1.591-06	2.144-04	9.247-06	1.830-11	2.164-11	2.604-10	1.378-05	4.840-08
-2.8	5.226-02	2.561-06	3.305-04	1.474-05	4.621-11	5.284-11	6.087-10	1.612-05	6.089-08
-2.6	7.500-02	4.143-06	5.035-04	2.311-05	1.147-10	1.275-10	1.384-09	1.796-05	7.636-08
-2.4	1.042-01	6.734-06	7.566-04	3.536-05	2.781-10	3.034-10	3.043-09	1.912-05	9.521-08
-2.2	1.397-01	1.099-05	1.119-03	5.243-05	6.522-10	7.101-10	6.456-09	1.941-05	1.177-07
-2.0	1.845-01	1.790-05	1.627-03	7.445-05	1.465-09	1.633-09	1.320-08	1.875-05	1.439-07
-1.8	2.251-01	2.944-05	2.325-03	1.005-04	3.126-09	3.689-09	2.601-08	1.724-05	1.737-07
-1.6	2.715-01	4.814-05	3.266-03	1.285-04	6.313-09	8.186-09	4.957-08	1.516-05	2.071-07
-1.4	3.178-01	7.868-05	4.512-03	1.553-04	1.208-08	1.765-08	9.150-08	1.282-05	2.439-07
-1.2	3.624-01	1.273-04	6.136-03	1.804-04	2.206-08	3.827-08	1.646-07	1.050-05	2.843-07
-1.0	4.039-01	2.054-04	8.227-03	2.013-04	3.872-08	8.077-08	2.887-07	8.377-06	3.283-07
-.8	4.414-01	3.290-04	1.080-02	2.181-04	6.593-08	1.679-07	4.956-07	6.546-06	3.759-07
-.6	4.745-01	5.226-04	1.422-02	2.315-04	1.097-07	3.440-07	8.350-07	5.034-06	4.272-07
-.4	5.031-01	8.227-04	1.838-02	2.420-04	1.791-07	6.948-07	1.383-06	3.828-06	4.822-07
-.2	5.275-01	1.282-03	2.349-02	2.502-04	2.883-07	1.363-06	2.256-06	2.883-06	5.406-07
.0	5.479-01	1.973-03	2.970-02	2.569-04	4.584-07	2.713-06	3.629-06	2.170-06	6.021-07
.2	5.647-01	2.998-03	3.715-02	2.623-04	7.208-07	5.236-06	5.755-06	1.630-06	6.661-07
.4	5.786-01	4.474-03	4.595-02	2.669-04	1.121-06	9.930-06	9.003-06	1.229-06	7.321-07
.6	5.900-01	6.555-03	5.616-02	2.709-04	1.724-06	1.848-05	1.388-05	9.343-07	7.993-07
.8	5.995-01	9.392-03	6.774-02	2.744-04	2.618-06	3.369-05	2.110-05	7.191-07	8.672-07
1.0	6.075-01	1.312-02	8.057-02	2.775-04	3.923-06	6.012-05	3.155-05	5.631-07	9.355-07
1.2	6.145-01	1.751-02	9.438-02	2.801-04	5.796-06	1.051-04	4.642-05	4.510-07	1.005-06
1.4	6.208-01	2.340-02	1.080-01	2.820-04	8.439-06	1.807-04	6.716-05	3.714-07	1.078-06
1.6	6.267-01	3.101-02	1.234-01	2.829-04	1.212-05	3.079-04	9.545-05	3.165-07	1.160-06
1.8	6.323-01	3.722-02	1.378-01	2.825-04	1.719-05	5.268-04	1.336-04	2.812-07	1.263-06
2.0	6.378-01	4.487-02	1.515-01	2.802-04	2.416-05	9.244-04	1.835-04	2.638-07	1.400-06
2.2	6.433-01	5.265-02	1.640-01	2.751-04	3.381-05	1.719-03	2.480-04	2.672-07	1.644-06

T= 69CC

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.311-23	1.525-06	2.134-11	3.909-10	1.037-01	5.516-14	2.704-02	4.192-18	2.235-04
-6.8	2.914-23	2.071-06	3.596-11	5.306-10	8.594-02	3.571-14	2.239-02	2.711-18	1.812-04
-6.6	6.344-23	2.771-06	5.330-11	7.161-10	7.069-02	2.302-14	1.860-02	1.746-18	1.465-04
-6.4	1.358-22	3.664-06	9.315-11	9.392-10	5.777-02	1.479-14	1.503-02	1.121-18	1.180-04
-6.2	2.866-22	4.798-06	1.467-10	1.230-09	4.696-02	9.466-15	1.221-02	7.171-19	9.488-05
-6.0	5.982-22	6.235-06	2.260-10	1.599-09	3.800-02	6.044-15	9.876-03	4.577-19	7.609-05
-5.8	1.237-21	8.051-06	3.494-10	2.066-09	3.064-02	3.850-15	7.960-03	2.914-19	6.092-05
-5.6	2.542-21	1.034-05	5.279-10	2.656-09	2.463-02	2.447-15	6.397-03	1.852-19	4.869-05
-5.4	5.191-21	1.323-05	7.863-10	3.400-09	1.975-02	1.553-15	5.129-03	1.176-19	3.887-05
-5.2	1.055-20	1.686-05	1.154-09	4.338-09	1.580-02	9.846-16	4.105-03	7.452-20	3.100-05
-5.0	2.138-20	2.144-05	1.669-09	5.522-09	1.262-02	6.234-16	3.280-03	4.719-20	2.470-05
-4.8	4.318-20	2.719-05	2.377-09	7.015-09	1.007-02	3.942-16	2.617-03	2.986-20	1.967-05
-4.6	8.704-20	3.442-05	3.336-09	8.899-09	8.021-03	2.491-16	2.087-03	1.888-20	1.566-05
-4.4	1.752-19	4.349-05	4.618-09	1.128-08	6.382-03	1.572-16	1.663-03	1.193-20	1.246-05
-4.2	3.523-19	5.484-05	6.305-09	1.429-08	5.070-03	9.905-17	1.324-03	7.536-21	9.911-06
-4.0	7.081-19	6.902-05	8.499-09	1.810-08	4.021-03	6.231-17	1.054-03	4.757-21	7.883-06
-3.8	1.424-18	8.664-05	1.132-08	2.295-08	3.182-03	3.908-17	8.387-04	3.001-21	6.270-06
-3.6	2.868-18	1.084-04	1.491-08	2.914-08	2.509-03	2.441-17	6.674-04	1.892-21	4.988-06
-3.4	5.793-18	1.348-04	1.941-08	3.712-08	1.969-03	1.516-17	5.310-04	1.191-21	3.968-06
-3.2	1.175-17	1.665-04	2.496-08	4.751-08	1.535-03	9.320-18	4.225-04	7.476-22	3.157-06
-3.0	2.400-17	2.036-04	3.168-08	6.123-08	1.184-03	5.652-18	3.360-04	4.674-22	2.512-06
-2.8	4.950-17	2.452-04	3.967-08	7.970-08	8.998-04	3.360-18	2.668-04	2.903-22	1.996-06
-2.6	1.034-16	2.896-04	4.796-08	1.051-07	6.711-04	1.944-18	2.113-04	1.783-22	1.581-06
-2.4	2.193-16	3.338-04	5.633-08	1.408-07	4.886-04	1.087-18	1.664-04	1.078-22	1.247-06
-2.2	4.730-16	3.740-04	6.323-08	1.919-07	3.459-04	5.836-19	1.300-04	6.389-23	9.752-07
-2.0	1.037-15	4.064-04	6.709-08	2.661-07	2.376-04	3.000-19	1.004-04	3.695-23	7.552-07
-1.8	2.306-15	4.282-04	6.678-08	3.744-07	1.584-04	1.477-19	7.671-05	2.085-23	5.783-07
-1.6	5.189-15	4.384-04	6.223-08	5.330-07	1.026-04	6.995-20	5.789-05	1.149-23	4.379-07
-1.4	1.174-14	4.376-04	5.454-08	7.641-07	6.492-05	3.205-20	4.321-05	6.216-24	3.283-07
-1.2	2.661-14	4.275-04	4.537-08	1.099-06	4.024-05	1.432-20	3.195-05	3.312-24	2.440-07
-1.0	6.021-14	4.103-04	3.622-08	1.579-06	2.454-05	6.272-21	2.344-05	1.746-24	1.803-07
-.8	1.355-13	3.881-04	2.807-08	2.263-06	1.477-05	2.712-21	1.706-05	9.138-25	1.326-07
-.6	3.028-13	3.628-04	2.131-08	3.226-06	8.814-06	1.164-21	1.239-05	4.766-25	9.724-08
-.4	6.699-13	3.361-04	1.597-08	4.568-06	5.226-06	4.977-22	8.951-06	2.483-25	7.126-08
-.2	1.464-12	3.091-04	1.189-08	6.412-06	3.089-06	2.191-22	6.448-06	1.296-25	5.229-08
.0	3.151-12	2.838-04	8.830-09	8.908-06	1.824-06	9.182-23	4.638-06	6.800-26	3.849-08
.2	6.660-12	2.578-04	6.573-09	1.223-05	1.081-06	3.999-23	3.334-06	3.594-26	2.850-08
.4	1.377-11	2.346-04	4.923-09	1.653-05	6.439-07	1.771-23	2.399-06	1.922-26	2.129-08
.6	2.774-11	2.137-04	3.725-09	2.197-05	3.873-07	8.026-24	1.731-06	1.044-26	1.609-08
.8	5.422-11	1.952-04	2.859-09	2.861-05	2.365-07	3.746-24	1.295-06	5.786-27	1.236-08
1.0	1.026-10	1.793-04	2.236-09	3.641-05	1.470-07	1.816-24	9.157-07	3.221-27	9.678-09
1.2	1.869-10	1.662-04	1.788-09	4.525-05	9.344-08	9.200-25	6.746-07	1.931-27	7.766-09
1.4	3.298-10	1.560-04	1.470-09	5.499-05	6.106-08	4.901-25	5.037-07	1.174-27	6.411-09
1.6	5.670-10	1.492-04	1.247-09	6.566-05	4.122-08	2.762-25	3.825-07	7.435-28	5.473-09
1.8	9.634-10	1.464-04	1.100-09	7.775-05	2.894-08	1.658-25	2.975-07	4.940-28	4.864-09
2.0	1.636-09	1.493-04	1.020-09	9.281-05	2.136-08	1.074-25	2.394-07	3.484-28	4.549-09
2.2	2.985-09	1.618-04	1.015-09	1.145-04	1.689-08	7.693-26	2.035-07	2.682-28	4.565-09

T= 69CC

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	7.765-15	1.335-04	1.196-13	4.537-11	5.779-01	1.561-01	3.853-03	1.068-05	1.309-05
-6.8	4.918-15	1.363-04	9.388-14	3.635-11	6.132-01	1.655-01	4.000-03	1.348-05	1.343-05
-6.6	3.116-15	1.338-04	7.332-14	2.911-11	6.436-01	1.735-01	4.126-03	1.715-05	1.372-05
-6.4	1.973-15	1.321-04	5.690-14	2.328-11	6.693-01	1.803-01	4.231-03	2.154-05	1.397-05
-6.2	1.249-15	1.292-04	4.382-14	1.861-11	6.908-01	1.860-01	4.318-03	2.675-05	1.417-05
-6.0	7.904-16	1.250-04	3.345-14	1.485-11	7.086-01	1.907-01	4.390-03	3.281-05	1.434-05
-5.8	4.999-16	1.196-04	2.529-14	1.185-11	7.233-01	1.946-01	4.449-03	3.974-05	1.448-05
-5.6	3.160-16	1.131-04	1.691-14	9.445-12	7.352-01	1.978-01	4.497-03	4.752-05	1.460-05
-5.4	1.997-16	1.056-04	1.398-14	7.523-12	7.448-01	2.004-01	4.536-03	5.605-05	1.469-05
-5.2	1.262-16	9.725-05	1.020-14	5.989-12	7.526-01	2.024-01	4.567-03	6.520-05	1.477-05
-5.0	7.967-17	8.836-05	7.343-15	4.766-12	7.587-01	2.041-01	4.593-03	7.476-05	1.483-05
-4.8	5.030-17	7.916-05	5.216-15	3.791-12	7.635-01	2.055-01	4.615-03	8.449-05	1.488-05
-4.6	3.175-17	6.993-05	3.654-15	3.015-12	7.671-01	2.067-01	4.632-03	9.414-05	1.493-05
-4.4	2.004-17	6.095-05	2.526-15	2.397-12	7.696-01	2.077-01	4.648-03	1.035-04	1.497-05
-4.2	1.265-17	5.243-05	1.724-15	1.906-12	7.711-01	2.085-01	4.653-03	1.122-04	1.501-05
-4.0	7.977-18	4.456-05	1.161-15	1.515-12	7.716-01	2.094-01	4.678-03	1.203-04	1.505-05
-3.8	5.030-18	3.740-05	7.731-16	1.205-12	7.703-01	2.103-01	4.696-03	1.274-04	1.510-05
-3.6	3.169-18	3.106-05	5.085-16	9.581-13	7.672-01	2.113-01	4.718-03	1.337-04	1.517-05
-3.4	1.995-18	2.551-05	3.303-16	7.621-13	7.617-01	2.127-01	4.748-03	1.398-04	1.526-05
-3.2	1.252-18	2.070-05	2.116-16	6.062-13	7.525-01	2.146-01	4.790-03	1.429-04	1.539-05
-3.0	7.832-19	1.657-05	1.331-16	4.822-13	7.387-01	2.172-01	4.849-03	1.456-04	1.558-05
-2.8	4.866-19	1.303-05	8.186-17	3.831-13	7.187-01	2.207-01	4.930-03	1.465-04	1.584-05
-2.6	2.992-19	9.996-06	4.873-17	3.035-13	6.914-01	2.254-01	5.040-03	1.450-04	1.619-05
-2.4	1.811-19	7.415-06	2.776-17	2.393-13	6.562-01	2.314-01	5.179-03	1.402-04	1.664-05
-2.2	1.075-19	5.260-06	1.493-17	1.872-13	6.133-01	2.386-01	5.349-03	1.313-04	1.718-05
-2.0	6.228-20	3.528-06	7.497-18	1.449-13	5.638-01	2.468-01	5.544-03	1.178-04	1.781-05
-1.8	3.523-20	2.222-06	3.487-18	1.110-13	5.096-01	2.557-01	5.757-03	1.006-04	1.849-05
-1.6	1.949-20	1.311-06	1.503-18	8.403-14	4.531-01	2.647-01	5.980-03	8.143-05	1.921-05
-1.4	1.059-20	7.277-07	6.047-19	6.298-14	3.966-01	2.734-01	6.204-03	6.258-05	1.993-05
-1.2	5.671-21	3.840-07	2.299-19	4.682-14	3.422-01	2.814-01	6.421-03	4.597-05	2.062-05
-1.0	3.010-21	1.948-07	8.380-20	3.458-14	2.915-01	2.884-01	6.626-03	3.258-05	2.128-05
-.8	1.590-21	9.608-08	2.969-20	2.543-14	2.455-01	2.940-01	6.815-03	2.248-05	2.189-05
-.6	8.387-22	4.654-08	1.034-20	1.864-14	2.047-01	2.980-01	6.987-03	1.522-05	2.244-05
-.4	4.434-22	2.232-08	3.579-21	1.366-14	1.693-01	3.003-01	7.143-03	1.018-05	2.294-05
-.2	2.359-22	1.087-08	1.240-21	1.002-14	1.390-01	3.006-01	7.283-03	6.765-06	2.339-05
.0	1.267-22	5.117-09	4.339-22	7.366-15	1.135-01	2.987-01	7.411-03	4.483-06	2.380-05
.2	6.901-23	2.473-09	1.543-22	5.445-15	9.219-02	2.946-01	7.530-03	2.974-06	2.419-05
.4	3.834-23	1.212-09	5.622-23	4.057-15	7.463-02	2.879-01	7.644-03	1.980-06	2.455-05
.6	2.186-23	6.047-10	2.116-23	3.054-15	6.022-02	2.785-01	7.755-03	1.326-06	2.491-05
.8	1.287-23	3.092-10	8.300-24	2.331-15	4.848-02	2.663-01	7.867-03	8.961-07	2.527-05
1.0	7.894-24	1.629-10	3.422-24	1.809-15	3.893-02	2.512-01	7.983-03	6.114-07	2.564-05
1.2	5.077-24	8.875-11	1.495-24	1.429-15	3.119-02	2.332-01	8.103-03	4.215-07	2.603-05
1.4	3.451-24	5.023-11	6.962-25	1.152-15	2.491-02	2.129-01	8.228-03	2.935-07	2.643-05
1.6	2.498-24	2.959-11	3.477-25	9.473-16	1.981-02	1.907-01	8.356-03	2.058-07	2.684-05
1.8	1.946-24	1.820-11	1.873-25	7.935-16	1.564-02	1.673-01	8.487-03	1.447-07	2.726-05
2.0	1.659-24	1.172-11	1.100-25	6.763-16	1.223-02	1.432-01	8.617-03	1.013-07	2.768-05
2.2	1.604-24	7.975-12	7.203-26	5.864-16	9.398-03	1.192-01	8.746-03	6.986-08	2.809-05

T= 69CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	1.311-01	2.29128+00	2.56233+01	2.79146+01	8.68339+01	-5.23722+00	2.29134+00
-6.8	1.087-01	2.23359+00	2.41497+01	2.63833+01	8.43168+01	-5.04829+00	2.23363+00
-6.6	8.937-02	2.18629+00	2.29420+01	2.51283+01	8.20938+01	-4.85759+00	2.18634+00
-6.4	7.305-02	2.14779+00	2.19586+01	2.41064+01	8.01127+01	-4.66531+00	2.14783+00
-6.2	5.940-02	2.11659+00	2.11619+01	2.32765+01	7.83344+01	-4.47166+00	2.11663+00
-6.0	4.808-02	2.09140+00	2.05189+01	2.26103+01	7.67227+01	-4.27686+00	2.09144+00
-5.8	3.879-02	2.07113+00	2.00015+01	2.20726+01	7.52470+01	-4.08109+00	2.07116+00
-5.6	3.120-02	2.05482+00	1.95858+01	2.16406+01	7.38814+01	-3.88452+00	2.05485+00
-5.4	2.503-02	2.04171+00	1.92520+01	2.12937+01	7.26045+01	-3.68730+00	2.04173+00
-5.2	2.005-02	2.03113+00	1.89836+01	2.10148+01	7.13984+01	-3.48956+00	2.03115+00
-5.0	1.604-02	2.02256+00	1.87569+01	2.07894+01	7.02484+01	-3.29140+00	2.02255+00
-4.8	1.281-02	2.01544+00	1.85901+01	2.06056+01	6.91419+01	-3.09293+00	2.01546+00
-4.6	1.023-02	2.00940+00	1.84430+01	2.04524+01	6.80680+01	-2.89423+00	2.00942+00
-4.4	8.164-03	2.00400+00	1.83161+01	2.03201+01	6.70170+01	-2.69540+00	2.00402+00
-4.2	6.515-03	1.99877+00	1.81997+01	2.01985+01	6.59790+01	-2.49653+00	1.99878+00
-4.0	5.202-03	1.99315+00	1.80833+01	2.00765+01	6.49433+01	-2.29776+00	1.99317+00
-3.8	4.157-03	1.98644+00	1.79539+01	1.99403+01	6.38975+01	-2.09922+00	1.98645+00
-3.6	3.329-03	1.97770+00	1.77949+01	1.97726+01	6.28257+01	-1.90114+00	1.97770+00
-3.4	2.674-03	1.96566+00	1.75853+01	1.95509+01	6.17079+01	-1.70379+00	1.96567+00
-3.2	2.159-03	1.94879+00	1.72986+01	1.92474+01	6.05197+01	-1.50753+00	1.94879+00
-3.0	1.756-03	1.92530+00	1.69055+01	1.88308+01	5.92343+01	-1.31280+00	1.92531+00
-2.8	1.443-03	1.89359+00	1.63790+01	1.82726+01	5.78281+01	-1.12001+00	1.89359+00
-2.6	1.202-03	1.85269+00	1.57033+01	1.75560+01	5.62894+01	-9.29500-01	1.85268+00
-2.4	1.017-03	1.80288+00	1.48830+01	1.66858+01	5.46270+01	-7.41330-01	1.80288+00
-2.2	8.755-04	1.74591+00	1.39464+01	1.56923+01	5.28731+01	-5.55280-01	1.74590+00
-2.0	7.674-04	1.68462+00	1.29406+01	1.46252+01	5.10773+01	-3.70800-01	1.68460+00
-1.8	6.831-04	1.62228+00	1.19195+01	1.35418+01	4.92948+01	-1.87170-01	1.62225+00
-1.6	6.156-04	1.56186+00	1.09320+01	1.24939+01	4.75743+01	-3.65000-03	1.56181+00
-1.4	5.592-04	1.50556+00	1.00146+01	1.15202+01	4.59508+01	1.80400-01	1.50548+00
-1.2	5.101-04	1.45469+00	9.18920+00	1.06435+01	4.44439+01	3.65470-01	1.45457+00
-1.0	4.658-04	1.40978+00	8.46485+00	9.87463+00	4.30603+01	5.51850-01	1.40959+00
-.8	4.249-04	1.37075+00	7.86100+00	9.21175+00	4.17964+01	7.39660-01	1.37045+00
-.6	3.865-04	1.33715+00	7.31084+00	8.64800+00	4.06429+01	9.28880-01	1.33670+00
-.4	3.501-04	1.30833+00	6.86404+00	8.17237+00	3.95871+01	1.11942+00	1.30762+00
-.2	3.157-04	1.28352+00	6.48875+00	7.77227+00	3.86152+01	1.31111+00	1.28242+00
.0	2.831-04	1.26198+00	6.17291+00	7.43488+00	3.77134+01	1.50375+00	1.26026+00
.2	2.523-04	1.24302+00	5.90501+00	7.14803+00	3.68688+01	1.69718+00	1.24035+00
.4	2.231-04	1.22611+00	5.67454+00	6.90065+00	3.60698+01	1.89123+00	1.22194+00
.6	1.956-04	1.21089+00	5.47228+00	6.68318+00	3.53065+01	2.08581+00	1.20440+00
.8	1.697-04	1.19734+00	5.29054+00	6.48788+00	3.45703+01	2.28092+00	1.18720+00
1.0	1.454-04	1.18583+00	5.12334+00	6.30916+00	3.38545+01	2.47672+00	1.17000+00
1.2	1.232-04	1.17734+00	4.96662+00	6.14395+00	3.31538+01	2.67360+00	1.15264+00
1.4	1.030-04	1.17366+00	4.81821+00	5.99189+00	3.24643+01	2.87225+00	1.13515+00
..6	8.541-05	1.17779+00	4.67763+00	5.85542+00	3.17826+01	3.07377+00	1.11771+00
1.8	7.049-05	1.19424+00	4.54560+00	5.73985+00	3.11050+01	3.27980+00	1.10056+00
2.0	5.842-05	1.23000+00	4.42357+00	5.63357+00	3.04257+01	3.49261+00	1.08392+00
2.2	4.935-05	1.29551+00	4.31325+00	5.60876+00	2.97353+01	3.71514+00	1.06790+00

T= 7000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.961-06	6.041-11	1.128-08	3.691-11	5.613-21	8.835-20	1.099-18	1.045-07	3.168-10
-6.8	3.254-06	1.610-10	1.993-08	7.676-11	1.908-20	2.578-19	3.206-18	1.340-07	4.349-10
-6.6	5.708-06	2.450-10	3.450-08	1.655-10	6.537-20	7.293-19	9.063-18	1.951-07	5.873-10
-6.4	9.724-06	4.164-10	5.869-08	3.403-10	2.183-19	2.015-18	2.513-17	2.606-07	7.827-10
-6.2	1.633-05	6.978-10	9.848-08	6.870-10	7.132-19	5.465-18	6.822-17	3.441-07	1.031-09
-6.0	2.712-05	1.157-09	1.634-07	1.360-09	2.283-18	1.459-17	1.823-16	4.502-07	1.347-09
-5.8	4.462-05	1.901-09	2.686-07	2.677-09	7.169-18	3.850-17	4.812-16	5.844-07	1.747-09
-5.6	7.285-05	3.101-09	4.384-07	5.160-09	2.211-17	1.006-16	1.258-15	7.539-07	2.251-09
-5.4	1.182-04	5.029-09	7.112-07	9.791-09	6.701-17	2.605-16	3.260-15	9.678-07	2.888-09
-5.2	1.909-04	8.118-09	1.148-06	1.829-08	1.997-16	6.708-16	8.394-15	1.237-06	3.691-09
-5.0	3.071-04	1.300-08	1.847-06	3.365-08	5.849-16	1.718-15	2.150-14	1.576-06	4.702-09
-4.8	4.922-04	2.084-08	2.961-06	6.094-08	1.685-15	4.383-15	5.483-14	2.002-06	5.976-09
-4.6	7.869-04	3.351-08	4.758-06	1.087-07	4.776-15	1.114-14	1.393-13	2.537-06	7.500-09
-4.4	1.254-03	5.332-08	7.558-06	1.910-07	1.334-14	2.825-14	3.528-13	3.206-06	9.600-09
-4.2	1.993-03	8.513-08	1.203-05	3.311-07	3.672-14	7.143-14	8.905-13	4.042-06	1.214-08
-4.0	3.159-03	1.361-07	1.912-05	5.664-07	9.909-14	1.802-13	2.240-12	5.080-06	1.535-08
-3.8	4.960-03	2.149-07	3.033-05	9.572-07	2.673-13	4.534-13	5.612-12	6.358-06	1.939-08
-3.6	7.837-03	3.455-07	4.800-05	1.600-06	7.089-13	1.138-12	1.399-11	7.915-06	2.448-08
-3.4	1.223-02	5.511-07	7.571-05	2.649-06	1.861-12	2.846-12	3.460-11	9.772-06	3.090-08
-3.2	1.868-02	8.802-07	1.189-04	4.342-06	4.836-12	7.087-12	8.470-11	1.192-05	3.900-08
-3.0	2.875-02	1.409-06	1.857-04	7.050-06	1.244-11	1.754-11	2.044-10	1.431-05	4.920-08
-2.8	4.294-02	2.285-06	2.876-04	1.132-05	3.166-11	4.305-11	4.837-10	1.676-05	6.203-08
-2.6	6.255-02	3.654-06	4.410-04	1.793-05	7.941-11	1.046-10	1.116-09	1.904-05	7.803-08
-2.4	8.841-02	5.925-06	6.676-04	2.785-05	1.953-10	2.506-10	2.498-09	2.080-05	9.776-08
-2.2	1.207-01	9.648-06	9.955-04	4.210-05	4.674-10	5.916-10	5.400-09	2.170-05	1.216-07
-2.0	1.590-01	1.576-05	1.460-03	6.133-05	1.077-09	1.373-09	1.125-08	2.155-05	1.499-07
-1.8	2.018-01	2.560-05	2.105-03	8.530-05	2.369-09	3.129-09	2.258-08	2.035-05	1.825-07
-1.6	2.476-01	4.221-05	2.982-03	1.125-04	4.937-09	7.002-09	4.375-08	1.834-05	2.193-07
-1.4	2.942-01	6.870-05	4.152-03	1.406-04	9.736-09	1.539-08	8.206-08	1.584-05	2.603-07
-1.2	3.398-01	1.120-04	5.690-03	1.670-04	1.824-08	3.326-08	1.495-07	1.320-05	3.053-07
-1.0	3.830-01	1.810-04	7.680-03	1.901-04	3.269-08	7.070-08	2.652-07	1.069-05	3.544-07
-.8	4.225-01	2.907-04	1.022-02	2.093-04	5.654-08	1.479-07	4.598-07	8.446-06	4.076-07
-.6	4.579-01	4.631-04	1.343-02	2.246-04	9.514-08	3.048-07	7.812-07	6.555-06	4.650-07
-.4	4.888-01	7.310-04	1.744-02	2.367-04	1.567-07	6.190-07	1.304-06	5.019-06	5.266-07
-.2	5.153-01	1.142-03	2.238-02	2.462-04	2.540-07	1.239-06	2.140-06	3.808-06	5.922-07
.0	5.376-01	1.764-03	2.841-02	2.537-04	4.059-07	2.441-06	3.461-06	2.873-06	6.615-07
.2	5.562-01	2.689-03	3.566-02	2.599-04	6.409-07	4.734-06	5.516-06	2.165-06	7.340-07
.4	5.715-01	4.032-03	4.427-02	2.650-04	1.001-06	9.026-06	8.668-06	1.636-06	8.092-07
.6	5.841-01	5.935-03	5.429-02	2.694-04	1.544-06	1.689-05	1.343-05	1.244-06	8.865-07
.8	5.946-01	8.550-03	6.573-02	2.732-04	2.353-06	3.098-05	2.049-05	9.578-07	9.653-07
1.0	6.033-01	1.202-02	7.866-02	2.765-04	3.541-06	5.565-05	3.077-05	7.497-07	1.046-06
1.2	6.109-01	1.649-02	9.227-02	2.793-04	5.253-06	9.801-05	4.546-05	6.000-07	1.129-06
1.4	6.176-01	2.181-02	1.068-01	2.815-04	7.684-06	1.698-04	6.603-05	4.934-07	1.218-06
1.6	6.238-01	2.809-02	1.217-01	2.828-04	1.109-05	2.915-04	9.428-05	4.203-07	1.319-06
1.8	6.296-01	3.510-02	1.364-01	2.828-04	1.581-05	5.025-04	1.323-04	3.734-07	1.446-06
2.0	6.353-01	4.262-02	1.505-01	2.810-04	2.234-05	8.883-04	1.826-04	3.507-07	1.625-06
2.2	6.409-01	5.037-02	1.635-01	2.766-04	3.144-05	1.663-03	2.477-04	3.561-07	1.915-06

T= 7000

LOG D	C2-	CO+	CO-	O-	N+	N++	O+	O++	A+
-7.0	1.411-23	1.294-06	1.716-11	4.159-10	1.200-01	1.124-13	3.079-02	9.615-18	2.723-04
-6.8	3.197-23	1.760-06	2.059-11	5.718-10	1.002-01	7.305-14	2.569-02	6.237-18	2.216-04
-6.6	7.069-23	2.406-06	4.603-11	7.734-10	8.289-02	4.725-14	2.120-02	4.028-18	1.796-04
-6.4	1.532-22	3.213-06	7.552-11	1.032-09	6.809-02	3.044-14	1.739-02	2.592-18	1.451-04
-6.2	3.266-22	4.239-06	1.200-10	1.361-09	5.558-02	1.954-14	1.418-02	1.662-18	1.169-04
-6.0	6.874-22	5.540-06	1.880-10	1.780-09	4.514-02	1.250-14	1.151-02	1.063-18	9.394-05
-5.8	1.431-21	7.188-06	2.904-10	2.310-09	3.650-02	7.980-15	9.299-03	6.778-19	7.533-05
-5.6	2.955-21	9.269-06	4.422-10	2.981-09	2.941-02	5.081-15	7.489-03	4.314-19	6.029-05
-5.4	6.061-21	1.189-05	6.637-10	3.827-09	2.363-02	3.229-15	6.015-03	2.741-19	4.819-05
-5.2	1.236-20	1.520-05	9.815-10	4.895-09	1.894-02	2.049-15	4.820-03	1.739-19	3.846-05
-5.0	2.511-20	1.937-05	1.430-09	6.243-09	1.515-02	1.299-15	3.856-03	1.102-19	3.067-05
-4.8	5.082-20	2.461-05	2.052-09	7.942-09	1.210-02	8.221-16	3.080-03	6.978-20	2.444-05
-4.6	1.026-19	3.120-05	2.902-09	1.009-08	9.647-03	5.198-16	2.458-03	4.415-20	1.946-05
-4.4	2.067-19	3.947-05	4.044-09	1.279-08	7.683-03	3.284-16	1.959-03	2.792-20	1.549-05
-4.2	4.160-19	4.984-05	5.559-09	1.621-08	6.110-03	2.072-16	1.561-03	1.764-20	1.233-05
-4.0	8.365-19	6.282-05	7.540-09	2.054-08	4.852-03	1.305-16	1.243-03	1.114-20	9.808-06
-3.8	1.682-18	7.899-05	1.010-08	2.603-08	3.845-03	8.202-17	9.895-04	7.037-21	7.803-06
-3.6	3.365-18	9.903-05	1.338-08	3.302-08	3.039-03	5.139-17	7.877-04	4.440-21	6.209-06
-3.4	6.823-18	1.236-04	1.753-08	4.198-08	2.393-03	3.204-17	6.270-04	2.799-21	4.941-06
-3.2	1.380-17	1.536-04	2.271-08	5.356-08	1.873-03	1.983-17	4.992-04	1.762-21	3.933-06
-3.0	2.807-17	1.888-04	2.905-08	6.873-08	1.454-03	1.214-17	3.974-04	1.106-21	3.132-06
-2.8	5.753-17	2.294-04	3.660-08	8.890-08	1.115-03	7.310-18	3.162-04	6.908-22	2.493-06
-2.6	1.192-16	2.742-04	4.518-08	1.163-07	8.417-04	4.304-18	2.511-04	4.281-22	1.981-06
-2.4	2.503-16	3.208-04	5.424-08	1.542-07	6.218-04	2.460-18	1.987-04	2.620-22	1.569-06
-2.2	5.342-16	3.655-04	6.265-08	2.079-07	4.476-04	1.355-18	1.562-04	1.576-22	1.235-06
-2.0	1.159-15	4.043-04	6.883-08	2.852-07	3.130-04	7.155-19	1.216-04	9.271-23	9.639-07
-1.8	2.555-15	4.336-04	7.122-08	3.976-07	2.123-04	3.617-19	9.368-05	5.321-23	7.441-07
-1.6	5.703-15	4.512-04	6.902-08	5.618-07	1.398-04	1.754-19	7.126-05	2.981-23	5.679-07
-1.4	1.284-14	4.569-04	6.269-08	8.013-07	8.969-05	8.203-20	5.358-05	1.634-23	4.287-07
-1.2	2.903-14	4.517-04	5.374-08	1.149-06	5.625-05	3.723-20	3.986-05	8.796-24	3.206-07
-1.0	6.564-14	4.378-04	4.393-08	1.650-06	3.462-05	1.652-20	2.938-05	4.675-24	2.379-07
-.8	1.479-13	4.174-04	3.464-08	2.365-06	2.101-05	7.214-21	2.151-05	2.462-24	1.756-07
-.6	3.310-13	3.928-04	2.662-08	3.377-06	1.261-05	3.118-21	1.565-05	1.290-24	1.292-07
-.4	7.362-13	3.657-04	2.012-08	4.790-06	7.510-06	1.340-21	1.134-05	6.745-25	9.488-08
-.2	1.610-12	3.378-04	1.506-08	6.740-06	4.453-06	5.761-22	8.185-06	3.530-25	6.972-08
.0	3.478-12	3.101-04	1.123-08	9.392-06	2.637-06	2.477-22	5.898-06	1.855-25	5.137-08
.2	7.387-12	2.835-04	8.379-09	1.293-05	1.565-06	1.085-22	4.247-06	9.818-26	3.805-08
.4	1.536-11	2.587-04	6.283-09	1.756-05	9.332-07	4.808-23	3.061-06	5.253-26	2.841-08
.6	3.115-11	2.361-04	4.755-09	2.344-05	5.616-07	2.177-23	2.211-06	2.855-26	2.146-08
.8	6.134-11	2.160-04	3.648-09	3.068-05	3.425-07	1.015-23	1.604-06	1.583-26	1.646-08
1.0	1.169-10	1.988-04	2.850-09	3.928-05	2.126-07	4.910-24	1.172-06	9.009-27	1.287-08
1.2	2.153-10	1.846-04	2.277-09	4.914-05	1.350-07	2.482-24	8.652-07	5.289-27	1.031-08
1.4	3.840-10	1.737-04	1.870-09	6.012-05	8.807-08	1.320-24	6.469-07	3.222-27	8.500-09
1.6	6.673-10	1.665-04	1.587-09	7.228-05	5.937-08	7.440-25	4.924-07	2.048-27	7.248-09
1.8	1.146-09	1.638-04	1.402-09	8.620-05	4.164-08	4.476-25	3.840-07	1.368-27	6.439-09
2.0	1.990-09	1.677-04	1.304-09	1.036-04	3.072-08	2.914-25	3.103-07	9.743-28	6.028-09
2.2	3.625-09	1.825-04	1.302-09	1.288-04	2.432-08	2.111-25	2.647-07	7.604-28	6.069-09

T= 7000

LOG D	A++	C+	C++	NS+	N	O	A	C	NE
-7.0	1.593-14	1.316-04	1.831-13	6.445-11	5.458-01	1.481-01	3.719-03	9.116-06	1.279-05
-6.8	1.009-14	1.330-04	1.441-13	5.165-11	5.852-01	1.545-01	3.878-03	1.184-05	1.317-05
-6.6	6.394-15	1.333-04	1.129-13	4.138-11	6.196-01	1.675-01	4.022-03	1.518-05	1.350-05
-6.4	4.051-15	1.323-04	8.790-14	3.312-11	6.490-01	1.753-01	4.144-03	1.922-05	1.378-05
-6.2	2.566-15	1.301-04	6.756-14	2.640-11	6.739-01	1.818-01	4.246-03	2.433-05	1.401-05
-6.0	1.625-15	1.266-04	5.212-14	2.117-11	6.946-01	1.873-01	4.331-03	2.969-05	1.421-05
-5.8	1.028-15	1.219-04	3.960-14	1.690-11	7.117-01	1.918-01	4.400-03	3.622-05	1.438-05
-5.6	6.505-16	1.160-04	2.978-14	1.347-11	7.258-01	1.954-01	4.457-03	4.361-05	1.451-05
-5.4	4.112-16	1.090-04	2.214-14	1.074-11	7.372-01	1.985-01	4.504-03	5.192-05	1.462-05
-5.2	2.599-16	1.011-04	1.625-14	8.553-12	7.465-01	2.009-01	4.542-03	6.071-05	1.471-05
-5.0	1.642-16	9.249-05	1.178-14	6.809-12	7.538-01	2.029-01	4.572-03	7.011-05	1.478-05
-4.8	1.037-16	8.343-05	8.623-15	5.418-12	7.597-01	2.045-01	4.597-03	7.991-05	1.485-05
-4.6	6.549-17	7.421-05	5.941-15	4.310-12	7.662-01	2.058-01	4.618-03	8.955-05	1.490-05
-4.4	4.135-17	6.509-05	4.133-15	3.429-12	7.675-01	2.070-01	4.636-03	9.834-05	1.494-05
-4.2	2.610-17	5.635-05	2.838-15	2.726-12	7.697-01	2.079-01	4.652-03	1.061-04	1.498-05
-4.0	1.647-17	4.816-05	1.924-15	2.167-12	7.708-01	2.088-01	4.667-03	1.165-04	1.502-05
-3.8	1.039-17	4.067-05	1.289-15	1.724-12	7.705-01	2.097-01	4.684-03	1.241-04	1.507-05
-3.6	6.555-18	3.396-05	8.531-16	1.371-12	7.687-01	2.107-01	4.704-03	1.308-04	1.513-05
-3.4	4.131-18	2.806-05	5.581-16	1.091-12	7.646-01	2.119-01	4.730-03	1.366-04	1.521-05
-3.2	2.600-18	2.292-05	3.605-16	8.681-13	7.575-01	2.135-01	4.765-03	1.412-04	1.532-05
-3.0	1.632-18	1.850-05	2.294-16	6.910-13	7.463-01	2.157-01	4.815-03	1.447-04	1.548-05
-2.8	1.020-18	1.471-05	1.432-16	5.499-13	7.298-01	2.187-01	4.885-03	1.466-04	1.570-05
-2.6	6.326-19	1.147-05	8.712-17	4.370-13	7.062-01	2.228-01	4.980-03	1.466-04	1.600-05
-2.4	3.876-19	8.692-06	5.109-17	3.461-13	6.752-01	2.281-01	5.104-03	1.439-04	1.640-05
-2.2	2.335-19	6.343-06	2.853-17	2.724-13	6.361-01	2.347-01	5.258-03	1.373-04	1.689-05
-2.0	1.376-19	4.406-06	1.496-17	2.126-13	5.898-01	2.424-01	5.441-03	1.265-04	1.748-05
-1.8	7.918-20	2.883-06	7.299-18	1.641-13	5.377-01	2.509-01	5.646-03	1.113-04	1.814-05
-1.6	4.449-20	1.769-06	3.297-18	1.252-13	4.821-01	2.598-01	5.866-03	9.298-05	1.884-05
-1.4	2.448-20	1.018-06	1.383-18	9.453-14	4.256-01	2.687-01	6.091-03	7.353-05	1.956-05
-1.2	1.325-20	5.532-07	5.442-19	7.068-14	3.697-01	2.770-01	6.313-03	5.560-05	2.028-05
-1.0	7.091-21	2.872-07	2.037-19	5.245-14	3.169-01	2.844-01	6.525-03	4.036-05	2.096-05
-.8	3.767-21	1.441-07	7.354-20	3.871-14	2.686-01	2.906-01	6.723-03	2.805-05	2.160-05
-.6	1.995-21	7.064-08	2.596-20	2.847-14	2.249-01	2.952-01	6.905-03	1.920-05	2.218-05
-.4	1.058-21	3.415-08	9.060-21	2.090-14	1.868-01	2.981-01	7.071-03	1.294-05	2.271-05
-.2	5.637-22	1.641-08	3.157-21	1.535-14	1.539-01	2.991-01	7.220-03	8.642-06	2.319-05
.0	3.030-22	7.888-09	1.107-21	1.130-14	1.260-01	2.979-01	7.356-03	5.765-06	2.363-05
.2	1.651-22	3.816-09	3.939-22	8.354-15	1.026-01	2.945-01	7.482-03	3.816-06	2.403-05
.4	9.163-23	1.868-09	1.434-22	6.222-15	8.321-02	2.895-01	7.600-03	2.542-06	2.441-05
.6	5.215-23	9.307-10	5.381-23	4.681-15	6.725-02	2.799-01	7.716-03	1.702-06	2.478-05
.8	3.065-23	4.745-10	2.103-23	3.568-15	5.419-02	2.683-01	7.831-03	1.148-06	2.515-05
1.0	1.875-23	2.490-10	8.628-24	2.784-15	4.356-02	2.539-01	7.944-03	7.821-07	2.553-05
1.2	1.203-23	1.351-10	3.750-24	2.181-15	3.492-02	2.366-01	8.070-03	5.380-07	2.592-05
1.4	8.184-24	7.615-11	1.739-24	1.756-15	2.790-02	2.168-01	8.196-03	3.736-07	2.632-05
1.6	5.908-24	4.471-11	8.660-25	1.442-15	2.220-02	1.949-01	8.325-03	2.614-07	2.674-05
1.8	4.610-24	2.742-11	4.664-25	1.208-15	1.754-02	1.716-01	8.457-03	1.834-07	2.716-05
2.0	3.953-24	1.764-11	2.747-25	1.030-15	1.371-02	1.476-01	8.589-03	1.282-07	2.759-05
2.2	3.863-24	1.202-11	1.817-25	8.958-16	1.054-02	1.233-01	8.721-03	8.832-08	2.801-05

T= 7000

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	1.512-01	2.34554+00	2.66922+01	2.90376+01	8.82790+01	-5.22080+00	2.34561+00
-6.8	1.262-01	2.27838+00	2.50001+01	2.72784+01	8.55226+01	-5.03342+00	2.27844+00
-6.6	1.044-01	2.22298+00	2.36043+01	2.58272+01	8.30908+01	-4.84411+00	2.22303+00
-6.4	8.576-02	2.17764+00	2.24620+01	2.45396+01	8.09356+01	-4.65305+00	2.17769+00
-6.2	7.002-02	2.14076+00	2.15329+01	2.36737+01	7.90125+01	-4.46048+00	2.14081+00
-6.0	5.687-02	2.11090+00	2.07859+01	2.28918+01	7.72818+01	-4.26658+00	2.11095+00
-5.8	4.600-02	2.08682+00	2.01743+01	2.22611+01	7.57088+01	-4.07156+00	2.08685+00
-5.6	3.709-02	2.06743+00	1.96863+01	2.17538+01	7.42645+01	-3.87562+00	2.06745+00
-5.4	2.981-02	2.05183+00	1.92943+01	2.13461+01	7.29241+01	-3.67891+00	2.05186+00
-5.2	2.391-02	2.03928+00	1.89793+01	2.10186+01	7.16472+01	-3.48157+00	2.03930+00
-5.0	1.915-02	2.02912+00	1.87257+01	2.07548+01	7.04769+01	-3.28374+00	2.02915+00
-4.8	1.531-02	2.02083+00	1.85202+01	2.05410+01	6.93389+01	-3.08552+00	2.02085+00
-4.6	1.223-02	2.01392+00	1.83515+01	2.03654+01	6.82412+01	-2.88701+00	2.01393+00
-4.4	9.766-03	2.00793+00	1.82094+01	2.02173+01	6.71731+01	-2.68830+00	2.00795+00
-4.2	7.794-03	2.00243+00	1.80842+01	2.00866+01	6.61245+01	-2.48949+00	2.00244+00
-4.0	6.221-03	1.99689+00	1.79658+01	1.99627+01	6.50852+01	-2.29069+00	1.99690+00
-3.8	4.969-03	1.99068+00	1.78425+01	1.98331+01	6.40436+01	-2.09205+00	1.99069+00
-3.6	3.974-03	1.98298+00	1.76997+01	1.96826+01	6.29858+01	-1.89365+00	1.98299+00
-3.4	3.186-03	1.97270+00	1.75188+01	1.94915+01	6.18941+01	-1.69599+00	1.97271+00
-3.2	2.564-03	1.95863+00	1.72764+01	1.92348+01	6.07462+01	-1.49914+00	1.95864+00
-3.0	2.076-03	1.93868+00	1.69443+01	1.88828+01	5.95167+01	-1.30359+00	1.93869+00
-2.8	1.695-03	1.91109+00	1.64938+01	1.84049+01	5.81795+01	-1.10977+00	1.91110+00
-2.6	1.399-03	1.87489+00	1.59023+01	1.77771+01	5.67159+01	-9.18070-01	1.87489+00
-2.4	1.172-03	1.82946+00	1.51630+01	1.69924+01	5.51233+01	-7.28720-01	1.82946+00
-2.2	9.986-04	1.77580+00	1.42920+01	1.60678+01	5.34220+01	-5.41650-01	1.77577+00
-2.0	8.658-04	1.71626+00	1.33274+01	1.50437+01	5.16532+01	-3.56460-01	1.71624+00
-1.8	7.634-04	1.65400+00	1.23205+01	1.39745+01	4.98704+01	-1.72510-01	1.65396+00
-1.6	6.827-04	1.59220+00	1.13234+01	1.29156+01	4.81259+01	1.09500-02	1.59215+00
-1.4	6.163-04	1.53350+00	1.03787+01	1.19122+01	4.64618+01	1.96660-01	1.53342+00
-1.2	5.611-04	1.47965+00	9.51547+00	1.09951+01	4.49050+01	3.79110-01	1.47953+00
-1.0	5.117-04	1.43156+00	8.74867+00	1.01802+01	4.34681+01	5.64760-01	1.43137+00
-.8	4.668-04	1.38944+00	8.08218+00	9.47162+00	4.21524+01	7.51730-01	1.38814+00
-.6	4.249-04	1.35300+00	7.51199+00	8.84459+00	4.09510+01	9.4 250-01	1.35254+00
-.4	3.855-04	1.32167+00	7.02936+00	8.35162+00	3.98527+01	1.13007+00	1.32095+00
-.2	3.482-04	1.29473+00	6.62311+00	7.91784+00	3.88462+01	1.32113+00	1.29352+00
.0	3.128-04	1.27142+00	6.26129+00	7.55272+00	3.79116+01	1.51324+00	1.26973+00
.2	2.793-04	1.25106+00	5.94217+00	7.24324+00	3.70418+01	1.70623+00	1.24883+00
.4	2.476-04	1.23306+00	5.64483+00	6.97786+00	3.62226+01	1.89934+00	1.22888+00
.6	2.176-04	1.21704+00	5.42955+00	6.74659+00	3.54432+01	2.09426+00	1.21052+ 0
.8	1.893-04	1.20290+00	5.33805+00	6.54095+00	3.46946+01	2.28314+00	1.19273+ 0
1.0	1.627-04	1.19097+00	5.16376+00	6.35473+00	3.39642+01	2.44485+00	1.17510+00
1.2	1.382-04	1.18217+00	5.00196+00	6.18413+00	3.32612+01	2.60163+00	1.15761+00
1.4	1.160-04	1.17824+00	4.84996+00	6.02811+00	3.25658+01	2.88019+00	1.13963+00
1.6	9.650-05	1.18709+00	4.70640+00	5.88850+00	3.18792+01	3.08160+00	1.12154+00
1.8	7.990-05	1.19826+00	4.57187+00	5.77013+00	3.11972+01	3.28750+00	1.10441+00
2.0	6.849-05	1.23367+00	4.44744+00	5.68111+00	3.05137+01	3.50015+00	1.08734+00
2.2	5.634-05	1.29879+00	4.33469+00	5.63348+00	2.98193+01	3.72249+00	1.07097+00

T= 7100

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.336-06	6.569-11	8.802-09	2.394-11	3.080-21	6.269-20	7.373-19	9.474-08	7.986-10
-6.8	2.408-06	1.149-10	1.584-08	5.206-11	1.097-20	1.872-19	2.209-18	1.326-07	1.156-10
-6.6	4.242-06	2.067-10	2.784-08	1.106-10	3.831-20	5.407-19	6.393-18	1.820-07	1.676-10
-6.4	7.323-06	3.553-10	4.756-08	2.303-10	1.301-19	1.520-18	1.800-17	2.458-07	2.435-10
-6.2	1.243-05	5.813-10	8.130-08	4.707-10	4.312-19	4.177-18	4.957-17	3.275-07	3.014-09
-6.0	2.083-05	1.005-09	1.360-07	9.453-10	1.398-18	1.128-17	1.340-16	4.315-07	4.033-09
-5.8	3.450-05	1.661-09	2.251-07	1.868-09	4.440-18	3.002-17	3.570-16	5.635-07	5.337-09
-5.6	5.660-05	2.723-09	3.694-07	3.631-09	1.384-17	7.896-17	9.400-16	7.305-07	2.248-09
-5.4	9.238-05	4.435-09	6.019-07	6.948-09	4.235-17	2.058-16	2.451-15	9.413-07	2.893-09
-5.2	1.497-04	7.183-09	9.752-07	1.309-08	1.274-16	5.322-16	6.343-15	1.207-06	3.707-09
-5.0	2.416-04	1.158-08	1.573-06	2.427-08	3.764-16	1.368-15	1.631-14	1.562-06	4.732-09
-4.8	3.882-04	1.861-08	2.528-06	4.429-08	1.094-15	3.501-15	4.173-14	1.963-06	6.024-09
-4.6	6.218-04	2.981-08	4.050-06	7.959-08	3.126-15	8.921-15	1.063-13	2.492-06	7.652-09
-4.4	9.930-04	4.770-08	6.472-06	1.409-07	8.794-15	2.266-14	2.698-13	3.155-06	9.702-09
-4.2	1.581-03	7.617-08	1.032-05	2.458-07	2.437-14	5.746-14	6.826-13	3.984-06	1.228-08
-4.0	2.511-03	1.215-07	1.642-05	4.230-07	6.659-14	1.450-13	1.721-12	5.018-06	1.554-08
-3.8	3.974-03	1.936-07	2.608-05	7.189-07	1.796-13	3.655-13	4.322-12	6.297-06	1.964-08
-3.6	6.262-03	3.086-07	4.133-05	1.208-06	4.789-13	9.107-13	1.080-11	7.865-06	2.481-08
-3.4	9.808-03	4.919-07	6.531-05	2.009-06	1.263-12	2.303-12	2.684-11	9.757-06	3.133-08
-3.2	1.523-02	7.851-07	1.028-04	3.309-06	3.298-12	5.748-12	6.608-11	1.199-05	3.956-08
-3.0	2.337-02	1.256-06	1.611-04	5.399-06	8.530-12	1.427-11	1.607-10	1.452-05	4.995-08
-2.8	3.527-02	2.014-06	2.506-04	8.722-06	2.184-11	3.519-11	3.844-10	1.725-05	6.305-08
-2.6	5.206-02	3.242-06	3.863-04	1.392-05	5.523-11	8.594-11	8.989-10	1.994-05	7.950-08
-2.4	7.475-02	5.244-06	5.887-04	2.188-05	1.374-10	2.074-10	2.044-09	2.226-05	9.997-08
-2.2	1.039-01	8.520-06	8.846-04	3.361-05	3.342-10	4.933-10	4.496-09	2.382-05	1.251-07
-2.0	1.393-01	1.390-05	1.308-03	5.006-05	7.875-10	1.154-09	9.538-09	2.430-05	1.552-07
-1.8	1.801-01	2.272-05	1.902-03	7.152-05	1.779-09	2.656-09	1.950-08	2.357-05	1.905-07
-1.6	2.246-01	3.718-05	2.717-03	9.723-05	3.822-09	5.991-09	3.843-08	2.178-05	2.308-07
-1.4	2.710-01	6.076-05	3.815-03	1.252-04	7.770-09	1.328-08	7.320-08	1.924-05	2.760-07
-1.2	3.173-01	9.888-05	5.267-03	1.529-04	1.496-08	2.992-08	1.352-07	1.634-05	3.259-07
-1.0	3.618-01	1.602-04	7.158-03	1.780-04	2.744-08	6.191-08	2.427-07	1.343-05	3.806-07
-.8	4.033-01	2.578-04	9.587-03	1.994-04	4.832-08	1.304-07	4.253-07	1.075-05	4.399-07
-.6	4.408-01	4.118-04	1.267-02	2.168-04	8.243-08	2.703-07	7.291-07	8.427-06	5.039-07
-.4	4.739-01	6.519-04	1.653-02	2.307-04	1.372-07	5.520-07	1.226-06	6.504-06	5.727-07
-.2	5.025-01	1.022-03	2.130-02	2.416-04	2.239-07	1.110-06	2.026-06	4.964-06	6.461-07
.0	5.268-01	1.583-03	2.715-02	2.502-04	3.600-07	2.199-06	3.295-06	3.764-06	7.239-07
.2	5.471-01	2.421-03	3.421-02	2.571-04	5.710-07	4.286-06	5.279-06	2.845-06	8.057-07
.4	5.640-01	3.644-03	4.262-02	2.628-04	8.969-07	8.212-06	8.335-06	2.155-06	8.909-07
.6	5.779-01	5.389-03	5.245-02	2.676-04	1.386-06	1.545-05	1.297-05	1.641-06	9.792-07
.8	5.894-01	7.803-03	6.373-02	2.718-04	2.120-06	2.850-05	1.987-05	1.264-06	1.070-06
1.0	5.989-01	1.103-02	7.635-02	2.754-04	3.202-06	5.153-05	2.997-05	9.891-07	1.164-06
1.2	6.071-01	1.518-02	9.013-02	2.785-04	4.770-06	9.133-05	4.447-05	7.910-07	1.263-06
1.4	6.143-01	2.029-02	1.047-01	2.809-04	7.008-06	1.595-04	6.486-05	6.503-07	1.369-06
1.6	6.208-01	2.632-02	1.198-01	2.826-04	1.016-05	2.759-04	9.298-05	5.533-07	1.492-06
1.8	6.269-01	3.313-02	1.348-01	2.830-04	1.458-05	4.790-04	1.310-04	4.916-07	1.647-06
2.0	6.328-01	4.053-02	1.493-01	2.817-04	2.068-05	8.529-04	1.815-04	4.622-07	1.866-06
2.2	6.386-01	4.822-02	1.628-01	2.779-04	2.926-05	1.608-03	2.471-04	4.705-07	2.219-06

T= 7100

LOG E	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.692-23	1.092-06	1.346-11	4.364-10	1.374-01	2.238-13	3.476-02	2.152-17	3.268-04
-6.8	3.452-23	1.524-06	2.270-11	6.094-10	1.156-01	1.460-13	2.916-02	1.400-17	2.698-04
-6.6	7.767-23	2.087-06	3.759-11	8.341-10	9.632-02	9.480-14	2.423-02	9.064-18	2.184-04
-6.4	1.707-22	2.812-06	6.122-11	1.124-09	7.957-02	6.127-14	1.998-02	5.847-18	1.770-04
-6.2	3.693-22	3.741-06	9.818-11	1.495-09	6.527-02	3.944-14	1.633-02	3.758-18	1.410-04
-6.0	7.823-22	4.923-06	1.551-10	1.967-09	5.322-02	2.530-14	1.332-02	2.407-18	1.151-04
-5.8	1.641-21	6.422-06	2.415-10	2.567-09	4.317-02	1.618-14	1.080-02	1.538-18	9.248-05
-5.6	3.409-21	8.318-06	3.707-10	3.326-09	3.488-02	1.032-14	8.717-03	9.803-19	7.413-05
-5.4	7.025-21	1.071-05	5.606-10	4.285-09	2.809-02	6.570-15	7.015-03	6.236-19	5.932-05
-5.2	1.438-20	1.373-05	8.355-10	5.497-09	2.255-02	4.175-15	5.631-03	3.961-19	4.740-05
-5.0	2.930-20	1.754-05	1.226-09	7.025-09	1.807-02	2.649-15	4.510-03	2.512-19	3.781-05
-4.8	5.946-20	2.232-05	1.773-09	8.953-09	1.445-02	1.678-15	3.606-03	1.592-19	3.017-05
-4.6	1.203-19	2.835-05	2.526-09	1.138-08	1.153-02	1.062-15	2.880-03	1.008-19	2.404-05
-4.4	2.427-19	3.592-05	3.544-09	1.445-08	9.195-03	6.715-16	2.297-03	6.376-20	1.914-05
-4.2	4.888-19	4.542-05	4.903-09	1.833-08	7.320-03	4.241-16	1.831-03	4.032-20	1.524-05
-4.0	9.834-19	5.732-05	6.693-09	2.323-08	5.819-03	2.675-16	1.459-03	2.547-20	1.213-05
-3.8	1.977-18	7.219-05	9.020-09	2.943-08	4.618-03	1.684-16	1.162-03	1.610-20	9.650-06
-3.6	3.977-18	9.067-05	1.201-08	3.731-08	3.656-03	1.057-16	9.251-04	1.017-20	7.680-06
-3.4	8.009-18	1.135-04	1.583-08	4.738-08	2.886-03	6.614-17	7.367-04	6.417-21	6.113-06
-3.2	1.617-17	1.414-04	2.062-08	6.031-08	2.267-03	4.113-17	5.867-04	4.046-21	4.866-06
-3.0	3.277-17	1.749-04	2.657-08	7.712-08	1.769-03	2.536-17	4.673-04	2.546-21	3.878-06
-2.8	6.684-17	2.141-04	3.378-08	9.926-08	1.367-03	1.543-17	3.723-04	1.598-21	3.090-06
-2.6	1.375-16	2.585-04	4.223-08	1.289-07	1.042-03	9.220-18	2.963-04	9.967-22	2.461-06
-2.4	2.864-16	3.062-04	5.159-08	1.696-07	7.792-04	5.369-18	2.353-04	6.160-22	1.956-06
-2.2	6.053-16	3.543-04	6.104-08	2.263-07	5.695-04	3.025-18	1.859-04	3.753-22	1.547-06
-2.0	1.300-15	3.986-04	6.914-08	3.072-07	4.090-04	1.639-18	1.458-04	2.243-22	1.216-06
-1.8	2.837-15	4.350-04	7.415-08	4.241-07	2.795-04	8.506-19	1.132-04	1.309-22	9.458-07
-1.6	6.282-15	4.602-04	7.467-08	5.942-07	1.871-04	4.228-19	8.679-05	7.452-23	7.276-07
-1.4	1.406-14	4.730-04	7.038-08	8.424-07	1.218-04	2.021-19	6.574-05	4.164-23	5.533-07
-1.2	3.167-14	4.737-04	6.233-08	1.203-06	7.736-05	9.338-20	4.923-05	2.258-23	4.164-07
-1.0	7.149-14	4.641-04	5.232-08	1.725-06	4.812-05	4.203-20	3.650-05	1.212-23	3.107-07
-.8	1.611-13	4.463-04	4.209-08	2.471-06	2.944-05	1.856-20	2.684-05	6.427-24	2.303-07
-.6	3.610-13	4.230-04	3.283-08	3.531-06	1.779-05	8.086-21	1.960-05	3.386-24	1.700-07
-.4	8.024-13	3.961-04	2.507-08	5.017-06	1.065-05	3.498-21	1.424-05	1.777-24	1.251-07
-.2	1.763-12	3.676-04	1.890-08	7.075-06	6.341-06	1.511-21	1.031-05	9.330-25	9.211-08
.0	3.827-12	3.388-04	1.416-08	9.886-06	3.766-06	6.543-22	7.443-06	4.912-25	6.794-08
.2	8.163-12	3.107-04	1.054-08	1.366-05	2.239-06	2.859-22	5.369-06	2.605-25	5.035-08
.4	1.730-11	2.842-04	7.954-09	1.861-05	1.337-06	1.267-22	3.874-06	1.395-25	3.759-08
.6	3.681-11	2.600-04	6.023-09	2.495-05	8.046-07	5.737-23	2.803-06	7.567-26	2.838-08
.8	8.916-11	2.384-04	4.620-09	3.282-05	4.905-07	2.672-23	2.036-06	4.209-26	2.174-08
1.0	1.327-10	2.198-04	3.607-09	4.226-05	3.042-07	1.290-23	1.490-06	2.396-26	1.698-08
1.2	2.468-10	2.045-04	2.881-09	5.319-05	1.929-07	6.511-24	1.101-06	1.408-26	1.358-08
1.4	4.445-10	1.928-04	2.364-09	6.551-05	1.257-07	3.459-24	8.247-07	8.594-27	1.118-08
1.6	7.895-10	1.852-04	2.007-09	7.931-05	8.462-08	1.949-24	6.290-07	5.480-27	9.525-09
1.8	1.354-09	1.808-04	1.774-09	9.522-05	5.930-08	1.175-24	4.919-07	3.682-27	8.460-09
2.0	2.374-09	1.678-04	1.656-09	1.152-04	4.374-08	7.692-25	3.988-07	2.646-27	7.926-09
2.2	4.373-09	2.053-04	1.659-09	1.442-04	3.464-08	5.833-25	3.417-07	2.094-27	7.996-09

T= 7100

LOG D	A**	C*	C**	NE*	N	C	A	C	NE
-7.0	3.201-14	1.292-04	2.770-13	9.068-11	5.115-01	1.396-01	3.552-03	7.911-06	1.247-05
-6.8	2.028-14	1.313-04	2.183-13	7.765-11	5.569-01	1.510-01	3.742-03	1.037-05	1.298-05
-6.6	1.285-14	1.373-04	1.714-13	5.822-11	5.937-01	1.610-01	3.904-03	1.349-05	1.325-05
-6.4	8.149-15	1.321-04	1.339-13	4.663-11	6.265-01	1.697-01	4.046-03	1.711-05	1.354-05
-6.2	5.165-15	1.306-04	1.039-13	3.732-11	6.569-01	1.771-01	4.164-03	2.156-05	1.383-05
-6.0	3.272-15	1.278-04	8.003-14	2.984-11	6.768-01	1.833-01	4.263-03	2.683-05	1.406-05
-5.8	2.072-15	1.238-04	6.109-14	2.384-11	6.587-01	1.885-01	4.345-03	3.298-05	1.425-05
-5.6	1.311-15	1.185-04	4.617-14	1.903-11	7.151-01	1.928-01	4.412-03	3.997-05	1.441-05
-5.4	8.296-16	1.121-04	3.452-14	1.517-11	7.289-01	1.963-01	4.467-03	4.782-05	1.454-05
-5.2	5.246-16	1.046-04	2.550-14	1.209-11	7.396-01	1.992-01	4.512-03	5.663-05	1.464-05
-5.0	3.319-16	9.637-05	1.869-14	9.629-12	7.482-01	2.015-01	4.548-03	6.566-05	1.473-05
-4.8	2.095-16	8.752-05	1.338-14	7.665-12	7.552-01	2.034-01	4.578-03	7.525-05	1.480-05
-4.6	1.323-16	7.836-05	9.699-15	6.099-12	7.607-01	2.049-01	4.602-03	8.501-05	1.486-05
-4.4	8.357-17	6.913-05	6.852-15	4.852-12	7.649-01	2.062-01	4.622-03	9.467-05	1.491-05
-4.2	5.277-17	6.026-05	4.896-15	3.859-12	7.678-01	2.072-01	4.640-03	1.040-04	1.495-05
-4.0	3.332-17	5.181-05	3.435-15	3.069-12	7.697-01	2.082-01	4.656-03	1.127-04	1.500-05
-3.8	2.104-17	4.409-05	2.412-15	2.441-12	7.703-01	2.091-01	4.673-03	1.207-04	1.504-05
-3.6	1.328-17	3.674-05	1.696-15	1.942-12	7.694-01	2.100-01	4.691-03	1.277-04	1.509-05
-3.4	8.376-18	3.009-05	1.198-15	1.545-12	7.666-01	2.111-01	4.714-03	1.341-04	1.516-05
-3.2	5.280-18	2.522-05	8.023-16	1.233-12	7.612-01	2.125-01	4.745-03	1.393-04	1.526-05
-3.0	3.326-18	2.049-05	3.869-16	9.796-13	7.522-01	2.144-01	4.787-03	1.434-04	1.539-05
-2.8	2.096-18	1.644-05	2.444-16	7.804-13	7.385-01	2.170-01	4.847-03	1.462-04	1.558-05
-2.6	1.302-18	1.298-05	1.512-16	6.214-13	7.186-01	2.206-01	4.929-03	1.473-04	1.584-05
-2.4	8.055-19	1.031-05	9.080-17	4.934-13	6.915-01	2.252-01	5.038-03	1.461-04	1.619-05
-2.2	4.914-19	7.491-06	5.231-17	3.907-13	6.566-01	2.312-01	5.179-03	1.418-04	1.664-05
-2.0	2.942-19	5.356-06	2.854-17	3.069-13	6.135-01	2.393-01	5.347-03	1.334-04	1.718-05
-1.8	1.721-19	3.633-06	1.456-17	2.388-13	5.641-01	2.495-01	5.542-03	1.204-04	1.781-05
-1.6	9.828-20	2.315-06	6.986-18	1.837-13	5.100-01	2.552-01	5.756-03	1.034-04	1.849-05
-1.4	5.487-20	1.382-06	3.018-18	1.397-13	4.535-01	2.641-01	5.980-03	8.464-05	1.921-05
-1.2	3.005-20	7.761-07	1.233-18	1.051-13	3.971-01	2.726-01	6.205-03	6.551-05	1.993-05
-1.0	1.623-20	4.136-07	4.757-19	7.841-14	3.427-01	2.804-01	6.423-03	4.845-05	2.063-05
-.8	8.679-21	2.117-07	1.756-19	5.811-14	2.919-01	2.871-01	6.630-03	3.453-05	2.130-05
-.6	4.620-21	1.052-07	6.300-20	4.287-14	2.459-01	2.923-01	6.821-03	2.393-05	2.191-05
-.4	2.458-21	5.138-08	2.222-20	3.155-14	2.051-01	2.958-01	6.994-03	1.628-05	2.247-05
-.2	1.313-21	2.484-08	7.795-21	2.321-14	1.696-01	2.974-01	7.154-03	1.093-05	2.298-05
.0	7.065-22	1.199-08	2.744-21	1.710-14	1.393-01	2.969-01	7.298-03	7.296-06	2.344-05
.2	3.850-22	5.808-09	9.779-22	1.265-14	1.137-01	2.942-01	7.431-03	4.857-06	2.387-05
.4	2.136-22	2.843-09	3.557-22	9.425-15	9.239-02	2.889-01	7.555-03	3.238-06	2.427-05
.6	1.214-22	1.415-09	1.333-22	7.087-15	7.479-02	2.810-01	7.675-03	2.164-06	2.465-05
.8	7.125-23	7.195-10	5.190-23	5.397-15	6.034-02	2.701-01	7.793-03	1.461-06	2.503-05
1.0	4.348-23	3.763-10	2.121-23	4.175-15	4.855-02	2.564-01	7.913-03	9.937-07	2.542-05
1.2	2.784-23	2.034-10	9.176-24	3.289-15	3.894-02	2.397-01	8.036-03	6.821-07	2.581-05
1.4	1.886-23	1.142-10	4.238-24	2.644-15	3.114-02	2.205-01	8.163-03	4.726-07	2.622-05
1.6	1.365-23	6.680-11	2.105-24	2.170-15	2.478-02	1.990-01	8.296-03	3.234-07	2.664-05
1.8	1.067-23	4.086-11	1.133-24	1.817-15	1.958-02	1.754-01	8.428-03	2.309-07	2.707-05
2.0	9.200-24	2.626-11	6.697-25	1.551-15	1.531-02	1.518-01	8.562-03	1.611-07	2.750-05
2.2	9.090-24	1.792-11	4.472-25	1.353-15	1.178-02	1.273-01	8.697-03	1.109-07	2.793-05

T= 7100

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	1.727-01	2.406640+00	2.768973+01	3.030324+01	8.987C9+01	-5.20352+00	2.40664+00
-6.8	1.452-01	2.329401+00	2.593737+01	2.830274+01	8.68575+01	-5.01772+00	2.32908+00
-6.6	1.209-01	2.266470+00	2.437494+01	2.663964+01	8.42016+01	-4.82488+00	2.26477+00
-6.4	9.996-02	2.211754+00	2.305644+01	2.527054+01	8.18551+01	-4.64015+00	2.21182+00
-6.2	8.191-02	2.168494+00	2.198334+01	2.417184+01	7.97714+01	-4.44873+00	2.16855+00
-6.0	6.679-02	2.133344+00	2.111096+01	2.324304+01	7.79075+01	-4.25583+00	2.13339+00
-5.8	5.420-02	2.104904+00	2.040304+01	2.250754+01	7.62253+01	-4.06166+00	2.10495+00
-5.6	4.380-02	2.081984+00	1.983344+01	2.191564+01	7.46918+01	-3.86641+00	2.08202+00
-5.4	3.529-02	2.063524+00	1.937534+01	2.143884+01	7.32793+01	-3.67028+00	2.06356+00
-5.2	2.835-02	2.048674+00	1.900724+01	2.105594+01	7.19645+01	-3.47342+00	2.04871+00
-5.0	2.273-02	2.036704+00	1.871124+01	2.074754+01	7.07279+01	-3.27596+00	2.03673+00
-4.8	1.820-02	2.026984+00	1.847234+01	2.049934+01	6.95536+01	-3.07804+00	2.02700+00
-4.6	1.455-02	2.019084+00	1.827794+01	2.029694+01	6.84274+01	-2.87976+00	2.01901+00
-4.4	1.162-02	2.012234+00	1.811684+01	2.012914+01	6.73382+01	-2.68121+00	2.01225+00
-4.2	9.276-03	2.006264+00	1.797404+01	1.998534+01	6.6277+01	-2.48250+00	2.00628+00
-4.0	7.404-03	2.000574+00	1.785454+01	1.985514+01	6.52280+01	-2.28373+00	2.00059+00
-3.8	5.912-03	1.994604+00	1.773224+01	1.972684+01	6.41457+01	-2.08503+00	1.99462+00
-3.6	4.725-03	1.987614+00	1.759924+01	1.958684+01	6.31357+01	-1.88656+00	1.98762+00
-3.4	3.782-03	1.978454+00	1.743404+01	1.941774+01	6.20622+01	-1.68852+00	1.97866+00
-3.2	3.037-03	1.966464+00	1.723084+01	1.919724+01	6.09454+01	-1.49120+00	1.96647+00
-3.0	2.450-03	1.949474+00	1.694874+01	1.888824+01	5.97614+01	-1.29497+00	1.94948+00
-2.8	1.990-03	1.927914+00	1.656404+01	1.846994+01	5.84841+01	-1.10225+00	1.92792+00
-2.6	1.632-03	1.899414+00	1.605004+01	1.794424+01	5.70902+01	-9.07480-01	1.89646+00
-2.4	1.355-03	1.865204+00	1.539134+01	1.724454+01	5.55683+01	-7.16950-01	1.85320+00
-2.2	1.143-03	1.803354+00	1.459194+01	1.639534+01	5.39266+01	-5.28810-01	1.80336+00
-2.0	9.801-04	1.746314+00	1.367934+01	1.542854+01	5.[.965+01	-3.42770-01	1.74629+00
-1.8	8.556-04	1.684924+00	1.269914+01	1.439464+01	5.04261+01	-1.59310-01	1.68449+00
-1.6	7.547-04	1.622454+00	1.170374+01	1.332624+01	4.86492+01	-2.52800-02	1.62240+00
-1.4	6.813-04	1.561874+00	1.074074+01	1.230264+01	4.69732+01	2.08763-01	1.56179+00
-1.2	6.170-04	1.505364+00	9.846734+00	1.134114+01	4.53722+01	3.92750-01	1.50524+00
-1.0	5.613-04	1.454264+00	9.040074+00	1.044934+01	4.38853+01	5.77750-01	1.45405+00
-.8	5.118-04	1.408074+00	8.331614+00	9.741694+00	4.25188+01	7.64050-01	1.40877+00
-.6	4.661-04	1.369764+00	7.727274+00	9.029524+00	4.12693+01	9.51750-01	1.36728+00
-.4	4.233-04	1.335624+00	7.203674+00	8.398694+00	4.01277+01	1.14086+00	1.33510+00
-.2	3.823-04	1.305644+00	6.765774+00	8.072414+00	3.90813+01	1.33127+00	1.30552+00
.0	3.447-04	1.281464+00	6.396874+00	7.477834+00	3.81166+01	1.52282+00	1.27973+00
.2	3.094-04	1.263594+00	6.085354+00	7.134934+00	3.72201+01	1.71534+00	1.25689+00
.4	2.739-04	1.246394+00	5.814994+00	7.068374+00	3.63772+01	1.90867+00	1.23619+00
.6	2.413-04	1.227444+00	5.590594+00	6.814044+00	3.55926+01	2.10273+00	1.21691+00
.8	2.105-04	1.208654+00	5.388354+00	6.594594+00	3.48225+01	2.29741+00	1.19844+00
1.0	1.815-04	1.190234+00	5.206114+00	6.402344+00	3.40866+01	2.49273+00	1.18032+00
1.2	1.546-04	1.187074+00	5.038544+00	6.225614+00	3.33584+01	2.68859+00	1.16225+00
1.4	1.302-04	1.182454+00	4.882214+00	6.065844+00	3.26667+01	2.88494+00	1.14415+00
1.6	1.089-04	1.184624+00	4.735434+00	5.921914+00	3.19769+01	3.08235+00	1.12610+00
1.8	9.029-05	1.182294+00	4.598214+00	5.805504+00	3.12881+01	3.28112+00	1.10827+00
2.0	7.542-05	1.237374+00	4.471234+00	5.708464+00	3.06033+01	3.50761+00	1.09287+00
2.2	6.412-05	1.302104+00	4.355474+00	5.658084+00	2.99017+01	3.72476+00	1.07397+00

T= 7200

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.484-07	5.314-11	6.811-09	1.551-11	1.709-21	4.364-20	4.888-19	8.495-08	2.762-10
-6.8	1.790-06	9.725-11	1.252-08	3.433-11	6.303-21	1.347-19	1.509-18	1.210-07	3.944-10
-6.6	3.140-06	1.732-10	2.222-08	7.602-11	2.249-20	3.944-19	4.474-18	1.684-07	5.456-10
-6.4	5.502-06	3.018-10	3.910-08	1.563-10	7.781-20	1.141-18	1.265-17	2.304-07	7.615-10
-6.2	9.459-06	5.184-10	6.705-08	3.222-10	2.619-19	3.186-18	3.597-17	3.101-07	9.932-10
-6.0	1.600-05	8.703-10	1.132-07	6.559-10	8.608-19	8.712-18	9.854-17	4.120-07	1.314-09
-5.8	2.673-05	1.449-09	1.888-07	1.308-09	2.769-18	2.342-17	2.653-16	5.417-07	1.723-09
-5.6	4.418-05	2.390-09	3.118-07	2.567-09	8.722-18	6.211-17	7.049-16	7.054-07	2.240-09
-5.4	7.241-05	3.940-09	5.105-07	4.958-09	2.697-17	1.629-16	1.850-15	9.137-07	2.894-09
-5.2	1.179-04	6.356-09	8.305-07	9.410-09	8.187-17	4.236-16	4.813-15	1.176-06	3.719-09
-5.0	1.908-04	1.028-08	1.344-06	1.799-08	2.441-16	1.094-15	1.243-14	1.507-06	4.760-09
-4.8	3.076-04	1.656-08	2.165-06	3.235-08	7.155-16	2.808-15	3.192-14	1.923-06	6.072-09
-4.6	4.938-04	2.659-08	3.476-06	5.857-08	2.062-15	7.175-15	8.157-14	2.446-06	7.725-09
-4.4	7.902-04	4.258-08	5.565-06	1.044-07	5.844-15	1.827-14	2.076-13	3.102-06	9.807-09
-4.2	1.261-03	6.806-08	8.888-06	1.834-07	1.631-14	4.635-14	5.263-13	3.935-06	1.243-08
-4.0	2.006-03	1.086-07	1.416-05	3.176-07	4.486-14	1.173-13	1.330-12	4.952-06	1.573-08
-3.8	3.181-03	1.732-07	2.252-05	5.429-07	1.217-13	2.961-13	3.347-12	6.228-06	1.990-08
-3.6	5.025-03	2.761-07	3.574-05	9.169-07	3.263-13	7.457-13	8.391-12	7.801-06	2.515-08
-3.4	7.897-03	4.402-07	5.657-05	1.532-06	8.648-13	1.872-12	2.092-11	9.717-06	3.177-08
-3.2	1.232-02	7.022-07	8.924-05	2.535-06	2.269-12	4.684-12	5.175-11	1.201-05	4.014-08
-3.0	1.903-02	1.122-06	1.402-04	4.155-06	5.996-12	1.166-11	1.267-10	1.466-05	5.071-08
-2.8	2.897-02	1.796-06	2.189-04	6.746-06	1.517-11	2.886-11	3.057-10	1.761-05	6.406-08
-2.6	4.325-02	2.887-06	3.390-04	1.084-05	3.863-11	7.083-11	7.233-10	2.066-05	8.089-08
-2.4	6.298-02	4.658-06	5.197-04	1.719-05	9.701-11	1.720-10	1.668-09	2.351-05	1.020-07
-2.2	8.895-02	7.551-06	7.863-04	2.676-05	2.391-10	4.120-10	3.730-09	2.574-05	1.281-07
-2.0	1.214-01	1.229-05	1.172-03	4.058-05	5.737-10	9.717-10	8.055-09	2.693-05	1.599-07
-1.8	1.597-01	2.007-05	1.718-03	5.936-05	1.327-09	2.253-09	1.676-08	2.683-05	1.978-07
-1.6	2.027-01	3.282-05	2.475-03	8.299-05	2.933-09	5.129-09	3.361-08	2.542-05	2.416-07
-1.4	2.484-01	5.366-05	3.503-03	1.101-04	6.142-09	1.146-08	6.504-08	2.298-05	2.912-07
-1.2	2.950-01	8.747-05	4.873-03	1.383-04	1.217-08	2.516-08	1.218-07	1.992-05	3.466-07
-1.0	3.405-01	1.419-04	6.670-03	1.650-04	2.288-08	5.425-08	2.215-07	1.665-05	4.070-07
-.8	3.836-01	2.290-04	8.991-03	1.886-04	4.113-08	1.150-07	3.924-07	1.351-05	4.730-07
-.6	4.230-01	3.666-04	1.195-02	2.082-04	7.125-08	2.400-07	6.791-07	1.071-05	5.444-07
-.4	4.582-01	5.819-04	1.567-02	2.240-04	1.200-07	4.928-07	1.151-06	8.337-06	6.211-07
-.2	4.890-01	9.147-04	2.029-02	2.364-04	1.975-07	9.963-07	1.916-06	6.407-06	7.031-07
.0	5.153-01	1.422-03	2.597-02	2.462-04	3.195-07	1.983-06	3.135-06	4.883-06	7.902-07
.2	5.375-01	2.181-03	3.285-02	2.540-04	5.095-07	3.885-06	5.049-06	3.706-06	8.821-07
.4	5.559-01	3.296-03	4.106-02	2.604-04	8.018-07	7.480-06	8.010-06	2.814-06	9.783-07
.6	5.712-01	4.895-03	5.071-02	2.657-04	1.247-06	1.419-05	1.252-05	2.147-06	1.079-06
.8	5.838-01	7.121-03	6.183-02	2.702-04	1.914-06	2.625-05	1.926-05	1.655-06	1.183-06
1.0	5.943-01	1.012-02	7.434-02	2.742-04	2.902-06	4.775-05	2.918-05	1.295-06	1.292-06
1.2	6.031-01	1.401-02	8.808-02	2.775-04	4.340-06	8.524-05	4.347-05	1.035-06	1.407-06
1.4	6.108-01	1.886-02	1.027-01	2.803-04	6.403-06	1.498-04	6.367-05	8.505-07	1.534-06
1.6	6.177-01	2.464-02	1.179-01	2.822-04	9.323-06	2.610-04	9.165-05	7.233-07	1.682-06
1.8	6.241-01	3.124-02	1.332-01	2.830-04	1.342-05	4.565-04	1.296-04	6.427-07	1.869-06
2.0	6.302-01	3.848-02	1.481-01	2.822-04	1.916-05	8.186-04	1.802-04	6.048-07	2.133-06
2.2	6.362-01	4.610-02	1.621-01	2.790-04	2.726-05	1.553-03	2.462-04	6.172-07	2.560-06

T= 7200

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.546-23	9.139-07	1.053-11	4.527-10	1.558-01	4.361-13	3.893-02	4.709-17	3.936-04
-6.8	3.665-23	1.297-06	1.800-11	6.417-10	1.322-01	2.856-13	3.288-02	3.067-17	3.228-04
-6.6	8.410-23	1.800-06	3.015-11	8.902-10	1.109-01	1.861-13	2.750-02	1.992-17	2.635-04
-6.4	1.879-22	2.453-06	4.962-11	1.213-09	9.221-02	1.207-13	2.280-02	1.288-17	2.142-04
-6.2	4.105-22	3.293-06	8.033-11	1.628-09	7.604-02	7.793-14	1.875-02	8.297-18	1.735-04
-6.0	8.813-22	4.367-06	1.280-10	2.159-09	6.228-02	5.013-14	1.533-02	5.326-18	1.401-04
-5.8	1.865-21	5.733-06	2.010-10	2.834-09	5.071-02	3.213-14	1.246-02	3.409-18	1.127-04
-5.6	3.901-21	7.463-06	3.109-10	3.689-09	4.110-02	2.054-14	1.009-02	2.176-18	9.054-05
-5.4	8.083-21	9.651-06	4.739-10	4.772-09	3.318-02	1.310-14	8.137-03	1.386-18	7.256-05
-5.2	1.662-20	1.241-05	7.117-10	6.141-09	2.670-02	8.333-15	6.543-03	8.815-19	5.805-05
-5.0	3.398-20	1.589-05	1.053-09	7.868-09	2.143-02	5.293-15	5.248-03	5.597-19	4.637-05
-4.8	6.914-20	2.028-05	1.533-09	1.005-08	1.716-02	3.357-15	4.202-03	3.549-19	3.701-05
-4.6	1.402-19	2.580-05	2.199-09	1.280-08	1.371-02	2.127-15	3.358-03	2.248-19	2.951-05
-4.4	2.833-19	3.273-05	3.108-09	1.626-08	1.094-02	1.346-15	2.681-03	1.423-19	2.351-05
-4.2	5.713-19	4.145-05	4.328-09	2.064-08	8.721-03	8.507-16	2.139-03	9.005-20	1.872-05
-4.0	1.150-18	5.238-05	5.944-09	2.617-08	6.940-03	5.371-16	1.705-03	5.694-20	1.490-05
-3.8	2.314-18	6.607-05	8.058-09	3.317-08	5.513-03	3.386-16	1.358-03	3.600-20	1.186-05
-3.6	4.654-18	8.313-05	1.079-08	4.204-08	4.372-03	2.130-16	1.082-03	2.275-20	9.443-06
-3.4	9.366-18	1.043-04	1.429-08	5.333-08	3.457-03	1.336-16	8.615-04	1.437-20	7.517-06
-3.2	1.888-17	1.303-04	1.873-08	6.779-08	2.724-03	8.339-17	6.863-04	9.070-21	5.987-06
-3.0	3.819-17	1.618-04	2.427-08	8.646-08	2.134-03	5.171-17	5.469-04	5.720-21	4.771-06
-2.8	7.756-17	1.993-04	3.109-08	1.108-07	1.659-03	3.173-17	4.359-04	3.600-21	3.804-06
-2.6	1.587-16	2.426-04	3.926-08	1.432-07	1.274-03	1.918-17	3.474-04	2.257-21	3.033-06
-2.4	3.282-16	2.906-04	4.864-08	1.869-07	9.636-04	1.134-17	2.766-04	1.405-21	2.416-06
-2.2	6.874-16	3.408-04	5.868-08	2.473-07	7.138-04	6.521-18	2.195-04	8.655-22	1.920-06
-2.0	1.462-15	3.895-04	6.823-08	3.323-07	5.155-04	3.617-18	1.731-04	5.243-22	1.517-06
-1.8	3.160-15	4.322-04	7.558-08	4.542-07	3.618-04	1.925-18	1.354-04	3.109-22	1.189-06
-1.6	6.935-15	4.651-04	7.892-08	6.307-07	2.463-04	9.814-19	1.046-04	1.800-22	9.214-07
-1.4	1.541-14	4.855-04	7.721-08	8.877-07	1.628-04	4.799-19	7.988-05	1.016-22	7.061-07
-1.2	3.455-14	4.929-04	7.077-08	1.262-06	1.048-04	2.262-19	6.024-05	5.611-23	5.351-07
-1.0	7.779-14	4.885-04	6.116-08	1.803-06	6.594-05	1.034-19	4.493-05	3.043-23	4.016-07
-.8	1.751-13	4.744-04	5.036-08	2.581-06	4.072-05	4.624-20	3.320-05	1.628-23	2.991-07
-.6	3.927-13	4.531-04	3.996-08	3.688-06	2.478-05	2.034-20	2.435-05	8.628-24	2.215-07
-.4	8.744-13	4.270-04	3.089-08	5.246-06	1.492-05	8.869-21	1.775-05	4.551-24	1.636-07
-.2	1.928-12	3.982-04	2.349-08	7.413-06	8.974-06	3.848-21	1.288-05	2.397-24	1.206-07
.0	4.195-12	3.685-04	1.769-08	1.038-05	5.318-06	1.673-21	9.325-06	1.266-24	8.912-08
.2	8.985-12	3.392-04	1.328-08	1.439-05	3.168-06	7.326-22	6.739-06	6.722-25	6.609-08
.4	1.887-11	3.112-04	9.996-09	1.969-05	1.894-06	3.251-22	4.871-06	3.606-25	4.936-08
.6	3.874-11	2.853-04	7.577-09	2.649-05	1.141-06	1.472-22	3.528-06	1.962-25	3.725-08
.8	7.737-11	2.621-04	5.813-09	3.501-05	6.956-07	6.851-23	2.566-06	1.090-25	2.851-08
1.0	1.499-10	2.421-04	4.537-09	4.532-05	4.311-07	3.304-23	1.880-06	6.207-26	2.224-08
1.2	2.812-10	2.257-04	3.620-09	5.739-05	2.730-07	1.665-23	1.391-06	3.651-26	1.777-08
1.4	5.114-10	2.132-04	2.970-09	7.114-05	1.777-07	8.834-24	1.044-06	2.232-26	1.460-08
1.6	9.070-10	2.053-04	2.521-09	8.669-05	1.195-07	4.978-24	7.979-07	1.428-26	1.263-08
1.8	1.590-09	2.032-04	2.231-09	1.048-04	8.369-08	3.008-24	6.256-07	9.646-27	1.104-08
2.0	2.818-09	2.095-04	2.084-09	1.277-04	6.169-08	1.979-24	5.089-07	6.991-27	1.035-08
2.2	5.241-09	2.300-04	2.100-09	1.610-04	4.889-08	1.466-24	4.379-07	5.614-27	1.047-08

T= 9200

LOG C	E-	C+	E++	M++	M	P	A	S	MF
-7.0	6.314-14	1.239-04	6.164-13	[illegible]	4.758-01	1.[illegible]-01	3.[illegible]-03	6.[illegible]-05	1.214-05
-6.8	3.997-14	1.293-04	3.229-13	1.[illegible]-10	3.226-01	1.[illegible]-01	3.[illegible]-03	[illegible]-05	1.259-05
-6.6	2.534-14	1.349-04	2.071-13	8.[illegible]-11	5.[illegible]-01	1.[illegible]-01	3.[illegible]-03	1.[illegible]-05	1.298-05
-6.4	1.569-14	1.414-04	1.[illegible]-13	6.[illegible]-11	6.[illegible]-01	1.[illegible]-01	3.[illegible]-03	1.[illegible]-05	1.333-05
-6.2	1.019-14	1.507-04	1.5[illegible]-13	5.[illegible]-11	8.[illegible]-01	1.[illegible]-01	4.[illegible]-03	1.[illegible]-05	1.364-05
-6.0	8.662-15	1.288-04	1.212-13	4.[illegible]-11	6.[illegible]-01	1.[illegible]-01	4.[illegible]-03	2.[illegible]-05	1.389-05
-5.8	4.095-15	1.253-04	9.[illegible]-14	3.[illegible]-11	6.[illegible]-01	1.[illegible]-01	4.[illegible]-03	2.[illegible]-05	1.411-05
-5.6	2.593-15	1.207-04	7.[illegible]-14	2.[illegible]-11	7.[illegible]-01	1.[illegible]-01	4.360-03	3.[illegible]-05	1.429-05
-5.4	1.641-15	1.148-04	5.[illegible]-14	2.[illegible]-11	7.[illegible]-01	1.[illegible]-01	4.424-03	4.[illegible]-05	1.444-05
-5.2	1.038-15	1.079-04	3.[illegible]-14	1.[illegible]-11	7.[illegible]-01	1.[illegible]-01	4.477-03	5.[illegible]-05	1.457-05
-5.0	6.536-16	9.998-05	2.[illegible]-14	1.[illegible]-11	7.[illegible]-01	1.[illegible]-01	4.520-03	6.[illegible]-05	1.467-05
-4.8	4.150-15	9.140-05	2.093-14	1.074-11	7.500-01	2.021-01	4.555-03	7.081-05	1.475-05
-4.6	2.623-16	8.237-05	1.[illegible]-14	8.[illegible]-12	7.[illegible]-01	2.038-01	4.583-03	8.055-05	1.482-05
-4.4	1.659-16	7.320-05	1.054-14	6.802-12	7.617-01	2.053-01	4.607-03	9.030-05	1.487-05
-4.2	1.047-16	6.415-05	7.[illegible]-15	5.411-12	7.655-01	2.065-01	4.627-03	9.981-05	1.492-05
-4.0	6.611-17	5.542-05	5.025-15	4.304-12	7.681-01	2.076-01	4.645-03	1.089-04	1.497-05
-3.8	4.175-17	4.738-05	3.[illegible]-15	3.424-12	7.695-01	2.085-01	4.662-03	1.172-04	1.501-05
-3.6	2.636-17	3.999-05	2.280-15	2.724-12	7.695-01	2.094-01	4.680-03	1.248-04	1.506-05
-3.4	1.665-17	3.339-05	1.510-15	2.167-12	7.678-01	2.105-01	4.701-03	1.316-04	1.512-05
-3.2	1.051-17	2.759-05	9.885-16	1.726-12	7.638-01	2.117-01	4.727-03	1.371-04	1.520-05
-3.0	6.625-18	2.255-05	6.394-16	1.375-12	7.560-01	2.136-01	4.764-03	1.412-04	1.532-05
-2.8	4.170-18	1.823-05	4.081-16	1.096-12	7.456-01	2.156-01	4.814-03	1.442-04	1.548-05
-2.6	2.616-18	1.453-05	2.549-16	8.736-13	7.289-01	2.188-01	4.885-03	1.473-04	1.570-05
-2.4	1.630-18	1.136-05	1.566-16	6.959-13	7.054-01	2.228-01	4.981-03	1.495-04	1.601-05
-2.2	1.005-18	8.660-06	9.269-17	5.528-13	6.743-01	2.281-01	5.106-03	1.[illegible]-04	1.644-05
-2.0	6.100-19	6.363-06	5.226-17	4.368-13	6.351-01	2.346-01	5.262-03	1.390-04	1.691-05
-1.8	3.625-19	4.457-06	2.776-17	3.422-13	5.887-01	2.423-01	5.445-03	1.285-04	1.749-05
-1.6	2.104-19	2.965-06	1.373-17	2.653-13	5.365-01	2.507-01	5.652-03	1.137-04	1.816-05
-1.4	1.193-19	1.824-06	6.293-18	2.033-13	4.809-01	2.595-01	5.872-03	9.551-05	1.886-05
-1.2	6.618-20	1.060-06	2.678-18	1.[illegible]-13	4.242-01	2.692-01	6.098-03	7.50[illegible]-05	1.959-05
-1.0	3.611-20	5.816-07	1.068-18	1.156-13	3.686-01	2.76[illegible]-01	6.320-03	5.763-05	2.040-05
-.8	1.947-20	3.045-07	4.048-19	8.606-14	3.159-01	2.836-01	6.534-03	4.158-05	2.099-05
-.6	1.043-20	1.539-07	1.480-19	6.373-14	2.675-01	2.891-01	6.734-03	2.946-05	2.163-05
-.4	5.571-21	7.604-08	5.288-20	4.703-14	2.[illegible]-01	2.933-01	6.[illegible]-03	2.025-05	2.222-05
-.2	2.983-21	3.705-08	1.871-20	3.467-14	1.861-01	2.955-01	7.085-03	1.370-05	2.276-05
.0	1.608-21	1.796-08	6.620-21	2.558-14	1.533-01	2.957-01	7.238-03	9.185-06	2.325-05
.2	8.772-22	8.726-09	2.365-21	1.874-14	1.255-01	2.936-01	7.378-03	6.132-06	2.370-05
.4	4.867-22	4.275-09	8.650-22	1.411-14	1.022-01	2.890-01	7.509-03	4.094-06	2.412-05
.6	2.764-22	2.125-09	3.270-22	1.051-14	8.288-02	2.816-01	7.633-03	2.742-06	2.452-05
.8	1.619-22	1.079-09	1.251-22	8.071-15	6.696-02	2.717-01	7.755-03	1.847-06	2.491-05
1.0	9.863-23	5.625-10	5.092-23	6.236-15	5.373-02	2.586-01	7.877-03	1.254-06	2.530-05
1.2	6.303-23	3.030-10	2.194-23	4.906-15	4.329-02	2.426-01	8.002-03	8.594-07	2.570-05
1.4	4.264-23	1.695-10	1.009-23	3.939-15	3.463-02	2.234-01	8.131-03	5.941-07	2.612-05
1.6	3.084-23	9.379-11	4.999-24	3.229-15	2.757-02	2.028-01	8.263-03	[illegible].137-07	2.654-05
1.8	2.417-23	6.028-11	2.690-24	2.703-15	2.180-02	1.799-01	8.398-03	2.891-07	2.697-05
2.0	2.095-23	3.871-11	1.596-24	2.311-15	1.706-02	1.558-01	8.535-03	2.014-07	2.741-05
2.2	2.092-23	2.644-11	1.076-24	2.020-15	1.313-02	1.317-01	8.672-03	1.385-07	2.785-05

T= 9200

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	1.953-01	2.47395+00	2.92356+01	3.17095+01	9.16086+01	-5.18542+00	2.47405+00
-6.8	1.655-01	2.38574+00	2.70719+01	2.94576+01	8.83265+01	-5.00119+00	2.38584+00
-6.6	1.388-01	2.31178+00	2.52576+01	2.75694+01	8.54312+01	-4.81487+00	2.31187+00
-6.4	1.154-01	2.25047+00	2.37536+01	2.60041+01	8.29771+01	-4.62656+00	2.25055+00
-6.2	9.510-02	2.20013+00	2.25179+01	2.47180+01	8.09171+01	-4.43637+00	2.20017+00
-6.0	7.788-02	2.15904+00	2.15098+01	2.36488+01	7.96056+01	-4.24456+00	2.15907+00
-5.8	6.342-02	2.12569+00	2.08918+01	2.28174+01	7.68013+01	-4.05132+00	2.12571+00
-5.6	5.141-02	2.09869+00	2.00307+01	2.21794+01	7.51678+01	-3.85686+00	2.09875+00
-5.4	4.151-02	2.07696+00	1.94982+01	2.15751+01	7.36740+01	-3.66139+00	2.07701+00
-5.2	3.342-02	2.05947+00	1.90699+01	2.11294+01	7.22934+01	-3.46506+00	2.05952+00
-5.0	2.684-02	2.04539+00	1.87256+01	2.07710+01	7.10041+01	-3.26806+00	2.04543+00
-4.8	2.151-02	2.03400+00	1.8448+01	2.04824+01	6.97876+01	-3.07046+00	2.03404+00
-4.6	1.721-02	2.02471+00	1.82240+01	2.02487+01	6.86287+01	-2.87245+00	2.02475+00
-4.4	1.376-02	2.01700+00	1.80402+01	2.00572+01	6.75144+01	-2.67411+00	2.01703+00
-4.2	1.099-02	2.01038+00	1.78862+01	1.98966+01	6.64330+01	-2.47554+00	2.01041+00
-4.0	8.772-03	2.00436+00	1.77517+01	1.97560+01	6.53741+01	-2.27684+00	2.00439+00
-3.8	7.003-03	1.99839+00	1.76261+01	1.96245+01	6.43269+01	-2.07813+00	1.99841+00
-3.6	5.594-03	1.99182+00	1.74976+01	1.94896+01	6.32795+01	-1.87956+00	1.99184+00
-3.4	4.474-03	1.98381+00	1.73514+01	1.93352+01	6.22178+01	-1.68131+00	1.98383+00
-3.2	3.586-03	1.97325+00	1.71690+01	1.91423+01	6.11246+01	-1.48363+00	1.97326+00
-3.0	2.885-03	1.95870+00	1.69271+01	1.88856+01	5.99768+01	-1.28685+00	1.95871+00
-2.8	2.363-03	1.93846+00	1.65982+01	1.85366+01	5.87502+01	-1.09136+00	1.93847+00
-2.6	1.903-03	1.91077+00	1.61539+01	1.80647+01	5.74193+01	-8.97810-01	1.91077+00
-2.4	1.568-03	1.87425+00	1.55724+01	1.74467+01	5.59560+01	-7.05990-01	1.87425+00
-2.2	1.310-03	1.82852+00	1.48675+01	1.66760+01	5.43881+01	-5.16710-01	1.82851+00
-2.0	1.113-03	1.77460+00	1.39951+01	1.57397+01	5.27059+01	-3.29710-01	1.77459+00
-1.8	9.616-04	1.71485+00	1.30528+01	1.47476+01	5.05559+01	-1.46590-01	1.71481+00
-1.6	8.450-04	1.65243+00	1.20770+01	1.37229+01	4.92023+01	3.93190-02	1.65238+00
-1.4	7.532-04	1.59053+00	1.10987+01	1.26892+01	4.74833+01	2.22730-01	1.59045+00
-1.2	6.786-04	1.53176+00	1.01787+01	1.17105+01	4.58452+01	4.04180-01	1.53163+00
-1.0	6.157-04	1.47784+00	9.33847+00	1.08163+01	4.43122+01	5.90810-01	1.47774+00
-.8	5.603-04	1.42964+00	8.59229+00	1.00219+01	4.28967+01	7.78620-01	1.42936+00
-.6	5.[illegible]-04	1.38742+00	7.94340+00	9.33082+00	4.15995+01	9.63390-01	1.38835+00
-.4	4.[illegible]-04	1.35082+00	7.38796+00	8.73878+00	4.04138+01	1.15178+00	1.35039+00
-.2	4.[illegible]-04	1.31929+00	6.91719+00	8.23448+00	3.93284+01	1.34153+00	1.31816+00
.0	3.[illegible]-04	1.29212+00	6.[illegible]2012+00	7.81724+00	3.83302+01	1.53249+00	1.29037+00
.2	3.394-04	1.26860+00	6.14501+00	7.45361+00	3.74056+01	1.72451+00	1.26544+00
.4	3.021-04	1.24810+00	5.90042+00	7.14952+00	3.65417+01	1.91766+00	1.24344+00
.6	2.667-04	1.23016+00	5.65579+00	6.88595+00	3.57265+01	2.11215+00	1.22359+00
.8	2.332-04	1.21459+00	5.44181+00	6.65646+00	3.49497+01	2.30562+00	1.20636+00
1.0	2.017-04	1.20162+00	5.25026+00	6.45238+00	3.42026+01	2.50095+00	1.18566+00
1.2	1.724-04	1.19204+00	5.07670+00	6.26874+00	3.34773+01	2.69744+00	1.16715+00
1.4	1.457-04	1.18750+00	4.91559+00	6.10309+00	3.27684+01	2.89542+00	1.14431+00
1.6	1.219-04	1.19079+00	4.76523+00	5.95401+00	3.20710+01	3.09532+00	1.13033+00
1.8	1.016-04	1.20638+00	4.62498+00	5.81132+00	3.13793+01	3.29766+00	1.11218+00
2.0	8.510-05	1.24109+00	4.49533+00	5.73642+00	3.06871+01	3.51[illegible]+00	1.09437+00
2.2	7.273-05	1.30514+00	[illegible].37753+00	[illegible].68297+00	2.99843+01	3.73[illegible]+00	1.07705+00

T= 7300

LOG C	C2-	NC+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.570-23	7.584-07	8.219-12	4.627-10	1.746-01	8.318-13	4.324-02	1.005-16	4.672-04
-6.8	3.823-23	1.096-06	1.424-11	6.674-10	1.096-01	5.468-13	3.680-02	6.570-17	3.847-04
-6.6	8.967-23	1.544-06	2.415-11	9.319-10	1.266-01	3.577-13	3.038-02	4.277-17	3.153-04
-6.4	2.040-22	2.131-06	4.019-11	1.294-09	1.059-01	2.328-13	2.583-02	2.773-17	2.573-04
-6.2	4.521-22	2.891-06	6.572-11	1.758-09	8.788-02	1.508-13	2.135-02	1.791-17	2.090-04
-6.0	9.827-22	3.866-06	1.057-10	2.351-09	7.234-02	9.730-14	1.753-02	1.152-17	1.692-04
-5.8	2.100-21	5.111-06	1.674-10	3.107-09	5.915-02	6.253-14	1.430-02	7.388-18	1.365-04
-5.6	4.426-21	6.691-06	2.610-10	4.068-09	4.811-02	4.005-14	1.161-02	4.724-18	1.098-04
-5.4	9.229-21	8.693-06	4.009-10	5.286-09	3.895-02	2.559-14	9.389-03	3.014-18	8.816-05
-5.2	1.908-20	1.122-05	6.066-10	6.826-09	3.141-02	1.631-14	7.564-03	1.918-18	7.053-05
-5.0	3.916-20	1.441-05	9.039-10	8.771-09	2.526-02	1.037-14	6.078-03	1.219-18	5.649-05
-4.8	7.992-20	1.844-05	1.326-09	1.123-08	2.026-02	6.586-15	4.872-03	7.739-19	4.512-05
-4.6	1.624-19	2.350-05	1.916-09	1.432-08	1.621-02	4.176-15	3.898-03	4.906-19	3.600-05
-4.4	3.289-19	2.987-05	2.726-09	1.823-08	1.295-02	2.645-15	3.115-03	3.108-19	2.870-05
-4.2	6.643-19	3.789-05	3.822-09	2.316-08	1.033-02	1.673-15	2.486-03	1.967-19	2.287-05
-4.0	1.339-18	4.794-05	5.282-09	2.939-08	8.231-03	1.057-15	1.983-03	1.245-19	1.821-05
-3.8	2.696-18	6.055-05	7.203-09	3.726-08	6.546-03	6.674-16	1.580-03	7.872-20	1.450-05
-3.6	5.423-18	7.630-05	9.699-09	4.722-08	5.197-03	4.205-16	1.259-03	4.977-20	1.154-05
-3.4	1.091-17	9.589-05	1.291-08	5.988-08	4.117-03	2.643-16	1.003-03	3.146-20	9.192-06
-3.2	2.197-17	1.201-04	1.700-08	7.603-08	3.251-03	1.655-16	7.993-04	1.988-20	7.321-06
-3.0	4.434-17	1.497-04	2.216-08	9.678-08	2.555-03	1.031-16	6.371-04	1.255-20	5.835-06
-2.8	8.783-17	1.853-04	2.856-08	1.237-07	1.995-03	6.365-17	5.080-04	7.918-21	4.654-06
-2.6	1.831-16	2.271-04	3.637-08	1.591-07	1.543-03	3.883-17	4.053-04	4.982-21	3.714-06
-2.4	3.762-16	2.745-04	4.557-08	2.064-07	1.178-03	2.328-17	3.232-04	3.120-21	2.963-06
-2.2	7.820-16	3.257-04	5.586-08	2.709-07	8.826-04	1.361-17	2.572-04	1.938-21	2.361-06
-2.0	1.648-15	3.776-04	6.638-08	3.608-07	6.465-04	7.711-18	2.039-04	1.188-21	1.874-06
-1.8	3.528-15	4.257-04	7.564-08	4.883-07	4.609-04	4.204-18	1.604-04	7.149-22	1.478-06
-1.6	7.673-15	4.657-04	8.167-08	6.718-07	3.190-04	2.197-18	1.249-04	4.204-22	1.154-06
-1.4	1.692-14	4.939-04	8.285-08	9.381-07	2.142-04	1.100-18	9.613-05	2.412-22	8.913-07
-1.2	3.772-14	5.088-04	7.868-08	1.325-06	1.398-04	5.294-19	7.304-05	1.351-22	6.803-07
-1.0	8.460-14	5.105-04	7.017-08	1.867-06	8.906-05	2.464-19	5.484-05	7.412-23	5.138-07
-.8	1.901-13	5.009-04	5.928-08	2.695-06	5.555-05	1.117-19	4.075-05	4.003-23	3.847-07
-.6	4.264-13	4.825-04	4.797-08	3.849-06	3.408-05	4.[-20	3.002-05	2.138-23	2.862-07
-.4	9.506-13	4.579-04	3.762-08	5.480-06	2.066-05	2.1[-20	2.197-05	1.134-23	2.120-07
-.2	2.100-12	4.294-04	2.889-08	7.756-06	1.241-05	9.529-21	1.599-05	5.937-24	1.567-07
.0	4.584-12	3.992-04	2.191-08	1.089-05	7.425-06	4.161-21	1.160-05	3.176-24	1.160-07
.2	9.856-12	3.686-04	1.653-08	1.513-05	4.435-06	1.827-21	8.402-06	1.690-24	8.608-08
.4	2.080-11	3.393-04	1.247-08	2.076-05	2.657-06	8.122-22	6.083-06	9.081-25	6.431-08
.6	4.293-11	3.119-04	9.466-09	2.805-05	1.602-06	3.679-22	4.413-06	4.946-25	4.852-08
.8	8.632-11	2.872-04	7.266-09	3.725-05	9.765-07	1.712-22	3.214-06	2.749-25	3.712-08
1.0	1.685-10	2.658-04	5.670-09	4.947-05	6.049-07	8.247-23	2.358-06	1.567-25	2.893-08
1.2	3.188-10	2.482-04	4.523-09	6.173-05	3.828-07	4.150-23	1.747-06	9.228-26	2.308-08
1.4	5.853-10	2.350-04	3.709-09	7.701-05	2.488-07	2.200-23	1.313-06	5.651-26	1.895-08
1.6	1.048-09	2.268-04	3.148-09	9.446-05	1.671-07	1.240-23	1.006-06	3.627-26	1.611-08
1.8	1.856-09	2.251-04	2.788-09	1.150-04	1.169-07	7.509-24	7.904-07	2.463-26	1.430-08
2.0	3.324-09	2.329-04	2.610-09	1.410-04	8.621-08	4.969-24	6.451-07	1.801-26	1.342-08
2.2	6.245-09	2.569-04	2.642-09	1.791-04	6.838-08	3.720-24	5.576-07	1.467-26	1.361-08

T= 7300

LOG P	A**	C*	C**	NF*	N	C	B	C	NE
-7.0	1.223-13	1.234-04	6.139-13	1.751-10	4.38[illegible]	1.214-01	5.139-03	5.901-06	1.177-05
-6.8	7.734-14	1.259-04	4.840-13	1.400-10	4.881-01	1.345-01	5.429-03	7.887-06	1.224-05
-6.6	4.902-14	1.282-04	3.811-13	1.121-10	5.339-01	1.485-01	5.815-03	1.038-05	1.269-05
-6.4	3.110-14	1.304-04	2.991-13	8.[illegible]-11	5.744-01	1.571-01	5.814-03	1.348-05	1.308-05
-6.2	1.973-14	1.323-04	2.335-13	7.197-11	6.105-01	1.663-01	5.568-03	1.726-05	1.342-05
-6.0	1.252-14	1.290-04	1.812-13	5.762-11	6.413-01	1.742-01	6.043-03	2.170-05	1.371-05
-5.8	7.939-15	1.264-04	1.395-13	4.610-11	6.674-01	1.809-01	6.209-03	2.717-05	1.396-05
-5.6	5.031-15	1.224-04	1.064-13	3.684-11	6.892-01	1.865-01	6.300-03	3.342-05	1.417-05
-5.4	3.186-15	1.172-04	8.036-14	2.942-11	7.073-01	1.911-01	6.327-03	4.055-05	1.434-05
-5.2	2.017-15	1.107-04	6.002-14	2.347-11	7.221-01	1.949-01	6.437-03	4.852-05	1.448-05
-5.0	1.276-15	1.033-04	4.429-14	1.871-11	7.342-01	1.980-01	6.488-03	5.723-05	1.460-05
-4.8	8.070-16	9.505-05	3.226-14	1.491-11	7.440-01	2.006-01	6.529-03	6.653-05	1.469-05
-4.6	5.102-16	8.622-05	2.319-14	1.187-11	7.518-01	2.026-01	6.562-03	7.620-05	1.477-05
-4.4	3.224-16	7.711-05	1.644-14	9.447-12	7.579-01	2.043-01	6.590-03	8.599-05	1.483-05
-4.2	2.037-16	6.800-05	1.150-14	7.517-12	7.627-01	2.057-01	6.613-03	9.565-05	1.489-05
-4.0	1.287-16	5.915-05	7.934-15	5.980-12	7.665-01	2.069-01	6.632-03	1.049-04	1.494-05
-3.8	8.133-17	5.080-05	5.407-15	4.758-12	7.698-01	2.079-01	6.650-03	1.135-04	1.498-05
-3.6	5.138-17	4.310-05	3.646-15	3.785-12	7.691-01	2.089-01	6.663-03	1.215-04	1.503-05
-3.4	3.246-17	3.614-05	2.423-15	3.012-12	7.693-01	2.099-01	6.688-03	1.286-04	1.509-05
-3.2	2.050-17	3.002-05	1.598-15	2.398-12	7.656-01	2.110-01	6.712-03	1.348-04	1.516-05
-3.0	1.295-17	2.488-05	1.039-15	1.911-12	7.602-01	2.124-01	6.744-03	1.399-04	1.526-05
-2.8	8.166-18	2.007-05	6.684-16	1.524-12	7.512-01	2.144-01	6.787-03	1.440-04	1.539-05
-2.6	5.141-18	1.612-05	4.234-16	1.214-12	7.373-01	2.170-01	6.848-03	1.468-04	1.558-05
-2.4	3.222-18	1.276-05	2.632-16	9.699-13	7.172-01	2.206-01	6.932-03	1.480-04	1.585-05
-2.2	2.003-18	9.874-06	1.599-16	7.727-13	6.898-01	2.253-01	7.043-03	1.471-04	1.621-05
-2.0	1.230-18	7.415-06	9.213-17	6.133-13	6.543-01	2.313-01	7.185-03	1.430-04	1.666-05
-1.8	7.416-19	5.341-06	5.086-17	4.835-13	6.112-01	2.385-01	7.356-03	1.350-04	1.721-05
-1.6	4.373-19	3.669-06	2.674-17	3.776-13	5.615-01	2.465-01	7.553-03	1.224-04	1.784-05
-1.4	2.516-19	2.344-06	1.256-17	2.915-13	5.072-01	2.552-01	7.768-03	1.058-04	1.853-05
-1.2	1.417-19	1.411-06	5.575-18	2.225-13	4.507-01	2.639-01	7.993-03	8.665-05	1.925-05
-1.0	7.822-20	7.984-07	2.306-18	1.680-13	3.944-01	2.722-01	8.218-03	6.738-05	1.997-05
-.8	4.256-20	4.287-07	9.091-19	1.258-13	3.401-01	2.797-01	8.438-03	5.003-05	2.068-05
-.6	2.295-20	2.210-07	3.363-19	9.353-14	2.896-01	2.859-01	8.645-03	3.571-05	2.135-05
-.4	1.232-20	1.107-07	1.221-19	6.925-14	2.438-01	2.906-01	8.838-03	2.490-05	2.196-05
-.2	6.622-21	5.444-08	4.345-20	5.117-14	2.033-01	2.935-01	9.014-03	1.699-05	2.253-05
.0	3.578-21	2.655-08	1.555-20	3.782-14	1.680-01	2.943-01	7.175-03	1.146-05	2.305-05
.2	1.954-21	1.294-08	5.574-21	2.803-14	1.380-01	2.929-01	7.323-03	7.679-06	2.352-05
.4	1.084-21	6.349-09	2.031-21	2.089-14	1.126-01	2.890-01	7.460-03	5.136-06	2.396-05
.6	6.155-22	3.156-09	7.595-22	1.570-14	9.149-02	2.826-01	7.590-03	3.443-06	2.439-05
.8	3.601-22	1.600-09	2.944-22	1.194-14	7.402-02	2.730-01	7.716-03	2.319-06	2.478-05
1.0	2.190-22	8.319-10	1.195-22	9.216-15	5.968-02	2.606-01	7.841-03	1.573-06	2.518-05
1.2	1.397-22	4.467-10	5.127-23	7.241-15	4.796-02	2.453-01	7.968-03	1.076-06	2.559-05
1.4	9.437-23	2.496-10	2.350-23	5.806-15	3.839-02	2.271-01	8.096-03	7.421-07	2.601-05
1.6	6.826-23	1.446-10	1.161-23	4.755-15	3.058-02	2.064-01	8.232-03	5.157-07	2.644-05
1.8	5.359-23	8.803-11	6.246-24	3.981-15	2.419-02	1.838-01	8.369-03	3.596-07	2.688-05
2.0	4.670-23	5.646-11	3.718-24	3.406-15	1.893-02	1.598-01	8.507-03	2.501-07	2.732-05
2.2	4.717-23	3.662-11	2.530-24	2.986-15	1.458-02	1.350-01	8.647-03	1.718-07	2.777-05

T= 7300

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	2.187-01	2.54805+00	3.06983+01	3.32663+01	9.34844+01	-5.16662+00	2.54818+00
-6.8	1.870-01	2.44964+00	2.82918+01	3.07404+01	8.99281+01	-4.98390+00	2.44876+00
-6.6	1.590-01	2.36643+00	2.62529+01	2.86173+01	8.67815+01	-4.79910+00	2.36653+00
-6.4	1.322-01	2.29405+00	2.45489+01	2.68430+01	8.40054+01	-4.61222+00	2.29615+00
-6.2	1.096-01	2.23586+00	2.31401+01	2.53759+01	8.15540+01	-4.42338+00	2.23595+00
-6.0	9.017-02	2.18815+00	2.19849+01	2.41731+01	7.93806+01	-4.23275+00	2.18826+00
-5.8	7.372-02	2.14929+00	2.10439+01	2.31932+01	7.74412+01	-4.04053+00	2.14936+00
-5.6	5.996-02	2.11779+00	2.02813+01	2.23991+01	7.56963+01	-3.84694+00	2.11785+00
-5.4	4.855-02	2.09234+00	1.96656+01	2.17579+01	7.41114+01	-3.65219+00	2.09240+00
-5.2	3.917-02	2.07184+00	1.91697+01	2.12416+01	7.26569+01	-3.45647+00	2.07190+00
-5.0	3.151-02	2.05533+00	1.87710+01	2.08263+01	7.13080+01	-3.25994+00	2.05538+00
-4.8	2.529-02	2.04201+00	1.84502+01	2.04922+01	7.00438+01	-3.06276+00	2.04206+00
-4.6	2.026-02	2.03121+00	1.81913+01	2.02226+01	6.89472+01	-2.86507+00	2.03125+00
-4.4	1.621-02	2.02235+00	1.79809+01	2.00032+01	6.77035+01	-2.66697+00	2.02238+00
-4.2	1.295-02	2.01489+00	1.78070+01	1.98219+01	6.66000+01	-2.46857+00	2.01492+00
-4.0	1.034-02	2.00834+00	1.76590+01	1.96674+01	6.55257+01	-2.26999+00	2.00837+00
-3.8	8.258-03	2.00217+00	1.75264+01	1.95295+01	6.44695+01	-2.07132+00	2.00220+00
-3.6	6.596-03	1.99578+00	1.73977+01	1.93935+01	6.34203+01	-1.87271+00	1.99580+00
-3.4	5.271-03	1.98841+00	1.72598+01	1.92482+01	6.23649+01	-1.67432+00	1.98843+00
-3.2	4.220-03	1.97990+00	1.70960+01	1.90751+01	6.12875+01	-1.47636+00	1.97989+00
-3.0	3.387-03	1.96649+00	1.68855+01	1.88520+01	6.01683+01	-1.27913+00	1.96650+00
-2.8	2.731-03	1.94905+00	1.66026+01	1.85517+01	5.89836+01	-1.08300+00	1.94906+00
-2.6	2.217-03	1.92499+00	1.62190+01	1.81446+01	5.77277+01	-8.88400-01	1.92499+00
-2.4	1.816-03	1.89266+00	1.57091+01	1.76017+01	5.63194+01	-6.95757-01	1.89264+00
-2.2	1.505-03	1.85115+00	1.50581+01	1.69092+01	5.48050+01	-5.05333-01	1.85114+00
-2.0	1.266-03	1.80078+00	1.42712+01	1.60719+01	5.31768+01	-3.17361-01	1.80077+00
-1.8	1.084-03	1.74334+00	1.33753+01	1.51193+01	5.14653+01	-1.31440-01	1.74331+00
-1.6	9.433-04	1.68169+00	1.24175+01	1.40992+01	4.97181+01	5.29200-02	1.68164+00
-1.4	8.340-04	1.61911+00	1.14667+01	1.30650+01	4.79874+01	2.36650-01	1.61903+00
-1.2	7.468-04	1.55852+00	1.05096+01	1.20681+01	4.63187+01	4.19890-01	1.55839+00
-1.0	6.767-04	1.50208+00	9.64006+00	1.11421+01	4.47446+01	6.03870-01	1.50188+00
-.8	6.127-04	1.45106+00	8.85809+00	1.03092+01	4.32829+01	7.88460-01	1.45075+00
-.6	5.573-04	1.40593+00	8.17.81+00	9.57774+00	4.19390+01	9.75140-01	1.40546+00
-.4	5.066-04	1.36662+00	7.58019+00	8.96481+00	4.07092+01	1.16283+00	1.36589+00
-.2	4.593-04	1.33266+00	7.07641+00	8.40907+00	3.95840+01	1.35190+ 0	1.33153+00
.0	4.146-04	1.30341+00	6.65041+00	7.95382+00	3.85512+01	1.54226+00	1.30165+00
.2	3.723-04	1.27815+00	6.29079+00	7.56894+00	3.75973+01	1.73376+00	1.27542+00
.4	3.321-04	1.25625+00	5.98599+00	7.24224+00	3.67091+01	1.92625+00	1.25201+00
.6	2.939-04	1.23720+00	5.72514+00	6.96235+00	3.58742+01	2.11962+00	1.23061+00
.8	2.577-04	1.22080+00	5.49859+00	6.71930+00	3.50818+01	2.31382+00	1.21053+00
1.0	2.235-04	1.20720+00	5.29781+00	6.50591+00	3.43221+01	2.50896+00	1.19119+00
1.2	1.916-04	1.19716+00	5.11656+00	6.31372+00	3.35874+01	2.70533+00	1.17221+00
1.4	1.624-04	1.19225+00	4.95010+00	6.14234+00	3.28711+01	2.90354+00	1.15337+00
1.6	1.364-04	1.19521+00	4.79566+00	5.98087+00	3.21673+01	3.10462+00	1.13663+00
1.8	1.140-04	1.21046+00	4.65211+00	5.86257+00	3.14704+01	3.31013+00	1.11613+00
2.0	9.581-05	1.24486+00	4.51958+00	5.76444+00	3.07735+01	3.52230+00	1.09792+00
2.2	8.221-05	1.30883+00	4.39908+00	5.70791+00	3.00664+01	3.76606+00	1.08017+00

T= 7400

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.651-07	3.380-11	3.944-09	6.476-12	5.272-22	2.053-20	2.051-19	6.569-08	2.346-10
-6.8	9.038-07	6.474-11	7.608-09	1.491-11	2.070-21	6.173-20	6.797-19	9.777-08	3.444-10
-6.6	1.693-06	1.198-10	1.416-08	3.329-11	7.765-21	2.112-19	2.139-18	1.610-07	4.933-10
-6.4	3.075-06	2.153-10	2.559-08	7.217-11	2.801-20	6.332-19	6.447-18	1.983-07	6.668-10
-6.2	5.444-06	3.779-10	4.511-08	1.536-10	9.773-20	1.835-18	1.876-17	2.734-07	9.395-10
-6.0	9.436-06	6.504-10	7.792-08	3.190-10	3.312-19	5.172-18	5.307-17	3.706-07	1.253-09
-5.8	1.608-05	1.102-09	1.324-07	6.458-10	1.094-18	1.425-17	1.466-16	4.950-07	1.678-09
-5.6	2.700-05	1.842-09	2.218-07	1.299-09	3.531-18	3.856-17	3.975-16	6.537-07	2.206-09
-5.4	4.484-05	3.047-09	3.677-07	2.553-09	1.116-17	1.027-16	1.061-15	8.554-07	2.875-09
-5.2	7.377-05	4.958-09	6.040-07	4.931-09	3.455-17	2.705-16	2.799-15	1.111-06	3.722-09
-5.0	1.204-04	8.142-09	9.850-07	9.367-09	1.050-16	7.055-16	7.310-15	1.433-06	4.772-09
-4.8	1.954-04	1.319-08	1.597-06	1.750-08	3.131-16	1.826-15	1.894-14	1.839-06	6.141-09
-4.6	3.156-04	2.128-08	2.577-06	3.217-08	9.172-16	4.698-15	4.873-14	2.351-06	7.842-09
-4.4	5.074-04	3.420-08	4.143-06	5.818-08	2.661-15	1.202-14	1.249-13	2.995-06	9.996-09
-4.2	8.129-04	5.482-08	6.640-06	1.038-07	7.671-15	3.065-14	3.177-13	3.803-06	1.268-08
-4.0	1.298-03	8.769-08	1.061-05	1.817-07	2.045-14	7.785-14	8.069-13	4.814-06	1.604-08
-3.8	2.067-03	1.400-07	1.692-05	3.142-07	5.728-14	1.972-13	2.041-12	6.061-06	2.018-08
-3.6	3.279-03	2.234-07	2.692-05	5.365-07	1.552-13	4.980-13	5.160-12	7.652-06	2.547-08
-3.4	5.181-03	3.563-07	4.273-05	9.050-07	4.156-13	1.254-12	1.299-11	9.583-06	3.191-08
-3.2	8.142-03	5.681-07	6.765-05	1.511-06	1.100-12	3.150-12	3.2 3-11	1.195-05	4.123-08
-3.0	1.270-02	9.065-07	1.067-04	2.497 C6	2.895-12	7.882-12	7.947-11	1.476-05	5.212-08
-2.8	1.960-02	1.449-06	1.676-04	4.091-C6	7.492-12	1.962-11	1.945-10	1.803-05	6.491-08
-2.6	2.981-02	2.320-06	2.616-04	6.641-C6	1.927-11	4.854-11	4.687-10	2.165-05	8.336-08
-2.4	4.445-02	3.729-06	4.050-04	1.067-C5	4.907-11	1.190-10	1.107-09	2.549-05	1.054-07
-2.2	6.460-02	6.019-06	6.207-04	1.693-C5	.233-10	2.887-10	2.544-09	2.890-05	1.332-07
-2.0	9.104-02	9.757-06	9.375-04	2.637-C5	3.039-10	6.908-10	5.684-09	3.163-05	1.677-07
-1.8	1.239-01	1.588-05	1.395-03	4.003-C5	7.300-10	1.627-09	1.224-08	3.310-05	2.048-07
-1.6	1.626-01	2.592-05	2.042-03	5.867-C5	1.691-C9	3.764-09	2.539-08	3.299-05	2.601-07
-1.4	2.058-01	4.236-05	2.937-03	8.210-C5	3.742-C9	8.550-09	5.076-08	3.129-05	3.136-07
-1.2	2.516-01	6.916-05	4.149-03	1.092-C4	7.849-C9	1.906-08	9.797-08	2.831-05	3.849-07
-1.0	2.981-01	1.125-04	5.762-03	1.375-C4	1.557-C8	4.173-08	1.829-07	2.456-05	4.596-07
-.8	3.435-01	1.822-04	7.870-03	1.645-C4	2.931-C8	8.971-08	3.315-07	2.056-05	5.346-07
-.6	3.863-01	2.931-04	1.058-02	1.893-C4	5.269-08	1.895-07	5.854-07	1.671-05	6.272-07
-.4	4.254-01	4.673-04	1.403-02	2.081-C4	9.145-08	3.938-07	1.010-06	1.327-05	7.219-07
-.2	4.602-01	7.393-04	1.835-02	2.241-C4	1.535-07	8.050-07	1.706-06	1.036-05	8.235-07
.0	4.906-01	1.156-03	2.368-02	2.367-C4	2.522-07	1.619-06	2.828-06	7.938-06	9.318-07
.2	5.165-01	1.785-03	3.020-02	2.467-C4	4.070-07	3.203-06	4.607-06	6.125-06	1.067-06
.4	5.384-01	2.717-03	3.803-02	2.547-C4	6.468-07	6.229-06	7.383-06	4.681-06	1.168-06
.6	5.565-01	4.066-03	4.730-02	2.612-C4	1.014-C6	1.190-05	1.165-05	3.588-06	1.296-06
.8	5.716-01	5.970-03	5.807-02	2.667-C4	1.569-06	2.232-05	1.808-05	2.772-06	1.451-06
1.0	5.841-01	8.572-03	7.032-02	2.714-C4	2.396-06	4.106-05	2.762-05	2.171-06	1.634-06
1.2	5.945-01	1.201-02	8.392-02	2.753-C4	3.611-C6	7.427-05	4.149-05	1.735-06	1.829-06
1.4	6.035-01	1.638-02	9.861-02	2.787-C4	5.371-C6	1.323-04	6.126-05	1.625-06	1.974-06
1.6	6.113-01	2.166-02	1.141-01	2.812-C4	7.699-06	2.337-04	8.889-05	1.211-06	2.119-06
1.8	6.184-01	2.765-02	1.298-01	2.827-C4	1.146-05	4.146-04	1.247-04	1.076-06	2.275-06
2.0	6.250-01	3.478-02	1.454-01	2.828-C4	1.652-05	7.537-04	1.775-04	1.015-06	2.752-06
2.2	6.319-01	4.223-02	1.602-01	2.807-C4	2.373-05	1.449-03	2.441-04	1.041-06	3.362-06

T= 7400

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.560-23	6.235-07	6.397-12	4.661-10	1.942-01	1.555-12	4.765-02	2.103-16	5.496-04
-6.8	3.916-23	9.186-07	1.124-11	6.857-10	1.678-01	1.026-12	4.087-02	1.377-16	4.548-04
-6.6	9.409-23	1.316-06	1.932-11	9.813-10	1.431-01	6.737-13	3.464-02	8.987-17	3.743-04
-6.4	2.184-22	1.842-06	3.252-11	1.372-C9	1.207-01	4.401-13	2.904-02	5.841-17	3.046-04
-6.2	4.923-22	2.528-06	5.374-11	1.882-C9	1.008-01	2.861-13	2.416-02	3.781-17	2.499-04
-6.0	1.084-21	3.414-06	8.726-11	2.540-C9	8.339-C2	1.851-13	1.992-02	2.438-17	2.029-04
-5.8	2.342-21	4.548-06	1.394-10	3.383-C9	6.851-C2	1.193-13	1.632-02	1.566-17	1.641-04
-5.6	4.980-21	5.994-06	2.192-10	4.457-C9	5.593-02	7.631-14	1.329-02	1.003-17	1.324-04
-5.4	1.046-20	7.827-06	3.393-10	5.821-C9	4.543-C2	4.904-14	1.078-02	6.411-18	1.064-04
-5.2	2.174-20	1.015-05	5.173-10	7.548-C9	3.674-02	3.130-14	8.701-03	4.087-18	8.541-05
-5.0	4.483-20	1.308-05	7.766-10	9.732-C9	2.960-02	1.994-14	7.004-03	2.600-18	6.840-05
-4.8	9.184-20	1.678-05	1.148-09	1.249-C8	2.378-C2	1.268-14	5.623-03	1.652-18	5.469-05
-4.6	1.872-19	2.143-05	1.670-09	1.597-C8	1.906-C2	8.048-15	4.505-03	1.044-18	4.367-05
-4.4	3.799-19	2.730-05	2.393-09	2.036-C8	1.525-02	5.102-15	3.603-03	6.644-19	3.484-05
-4.2	7.687-19	3.467-05	3.377-09	2.590-C8	1.218-C2	3.231-15	2.878-03	4.204-19	2.778-05
-4.0	1.551-18	4.394-05	4.696-09	3.288-C8	9.711-03	2.044-15	2.297-03	2.664-19	2.213-05
-3.8	3.126-18	5.556-05	6.442-09	4.171-C8	7.731-03	1.291-15	1.831-03	1.685-19	1.763-05
-3.6	6.291-18	7.011-05	8.722-09	5.288-C8	6.145-03	8.144-16	1.460-03	1.066-19	1.404-05
-3.4	1.266-17	8.826-05	1.167-08	6.705-C8	4.875-03	5.127-16	1.163-03	6.743-20	1.112-05
-3.2	2.548-17	1.108-04	1.544-08	8.507-C8	3.857-03	3.218-16	9.270-04	4.263-20	8.904-06
-3.0	5.136-17	1.385-04	2.023-08	1.081-C7	3.040-03	2.011-16	7.390-04	2.695-20	7.096-06
-2.8	1.038-16	1.721-04	2.622-08	1.379-C7	2.383-03	1.249-16	5.894-04	1.702-20	5.660-06
-2.6	2.109-16	2.121-04	3.361-08	1.767-C7	1.853-03	7.676-17	4.704-04	1.074-20	4.519-06
-2.4	4.312-16	2.583-04	4.249-08	2.281-C7	1.425-03	4.650-17	3.755-04	6.755-21	3.609-06
-2.2	8.904-16	3.096-04	5.276-08	2.974-C7	1.078-03	2.759-17	2.995-04	4.224-21	2.882-06
-2.0	1.862-15	3.635-04	6.384-08	3.929-C7	7.999-04	1.592-17	2.383-04	2.614-21	2.296-06
-1.8	3.950-15	4.160-04	7.452-08	5.268-C7	5.786-04	8.873-18	1.885-04	1.593-21	1.820-06
-1.6	8.511-15	4.624-04	8.293-08	7.187-C7	4.068-04	4.749-18	1.478-04	9.510-22	1.431-06
-1.4	1.862-14	4.983-04	8.705-08	9.944-C7	2.775-04	2.435-18	1.146-04	5.541-22	1.113-06
-1.2	4.122-14	5.210-04	8.564-08	1.395-C6	1.839-04	1.198-18	8.773-05	3.150-22	8.559-07
-1.0	9.203-14	5.297-04	7.893-08	1.977-C6	1.186-04	5.693-19	6.633-05	1.751-22	6.508-07
-.8	2.063-13	5.256-04	6.858-08	2.816-C6	7.481-05	2.617-19	4.958-05	9.558-23	4.900-07
-.6	4.623-13	5.109-04	5.675-08	4.017-C6	4.631-C5	1.178-19	3.671-05	5.146-23	3.662-07
-.4	1.031-12	4.885-04	4.525-08	5.720-C6	2.827-C5	5.223-20	2.698-05	2.747-23	2.727-07
-.2	2.282-12	4.610-04	3.517-08	8.105-C6	1.708-C5	2.297-20	1.970-05	1.460-23	2.019-07
.0	4.995-12	4.307-04	2.689-08	1.140-C5	1.028-C5	1.008-20	1.433-05	7.759-24	1.496-07
.2	1.079-11	3.994-04	2.039-08	1.588-C5	6.149-06	4.442-21	1.040-05	4.141-24	1.112-07
.4	2.284-11	3.688-04	1.544-08	2.186-C5	3.690-06	1.971-21	7.546-06	2.229-24	8.316-08
.6	4.739-11	3.399-04	1.174-08	2.955-C5	2.227-06	8.972-22	5.482-06	1.216-24	6.275-08
.8	9.588-11	3.137-04	9.022-09	3.953-C5	1.358-06	4.174-22	3.999-06	6.762-25	4.798-08
1.0	1.885-10	2.909-04	7.041-09	5.170-C5	8.413-07	2.010-22	2.937-06	3.858-25	3.736-08
1.2	3.596-10	2.722-04	5.615-09	6.621-C5	5.320-07	1.010-22	2.179-06	2.274-25	2.977-08
1.4	6.660-10	2.582-04	4.603-09	8.309-C5	3.434-07	5.353-23	1.640-06	1.395-25	2.441-08
1.6	1.204-09	2.497-04	3.907-09	1.026-C4	2.318-07	3.018-23	1.258-06	8.981-26	2.074-08
1.8	2.153-09	2.486-04	3.463-09	1.256-C4	1.620-07	1.831-23	9.917-07	6.132-26	1.840-08
2.0	3.894-09	2.580-04	3.249-09	1.552-C4	1.193-07	1.218-23	8.119-07	4.523-26	1.728-08
2.2	7.393-09	2.859-04	3.302-09	1.985-C4	9.434-08	9.224-24	7.048-07	3.737-26	1.757-08

T= 7402

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.329-13	1.209-04	9.611-13	2.488-10	3.699-01	1.120-01	3.004-03	5.073-06	1.141-05
-6.8	1.470-13	1.242-04	7.046-13	1.920-10	4.525-01	1.258-01	3.255-03	6.849-06	1.191-05
-6.6	9.315-14	1.271-04	5.508-13	1.535-10	5.014-01	1.385-01	3.481-03	9.109-06	1.238-05
-6.4	5.910-14	1.289-04	4.392-13	1.230-10	5.459-01	1.500-01	3.680-03	1.192-05	1.280-05
-6.2	3.752-14	1.296-04	3.437-13	9.857-11	5.853-01	1.602-01	3.853-03	1.539-05	1.318-05
-6.0	2.382-14	1.290-04	2.675-13	7.897-11	6.197-01	1.690-01	4.002-03	1.960-05	1.351-05
-5.8	1.511-14	1.270-04	2.067-13	6.321-11	6.491-01	1.765-01	4.128-03	2.461-05	1.379-05
-5.6	9.595-15	1.237-04	1.583-13	5.056-11	6.739-01	1.828-01	4.233-03	3.049-05	1.402-05
-5.4	6.075-15	1.191-04	1.201-13	4.040-11	6.946-01	1.881-01	4.320-03	3.726-05	1.422-05
-5.2	3.868-15	1.133-04	9.019-14	3.225-11	7.118-01	1.924-01	4.392-03	4.489-05	1.438-05
-5.0	2.436-15	1.063-04	6.692-14	2.572-11	7.258-01	1.960-01	4.451-03	5.332-05	1.452-05
-4.8	1.541-15	9.847-05	4.903-14	2.090-11	7.372-01	1.989-01	4.499-03	6.240-05	1.463-05
-4.6	9.747-16	8.989-05	3.545-14	1.633-11	7.463-01	2.013-01	4.538-03	7.196-05	1.472-05
-4.4	6.163-16	8.089-05	2.528-14	1.300-11	7.536-01	2.032-01	4.570-03	8.174-05	1.479-05
-4.2	3.896-16	7.177-05	1.779-14	1.035-11	7.593-01	2.048-01	4.596-03	9.150-05	1.485-05
-4.0	2.462-16	6.280-05	1.235-14	8.230-12	7.636-01	2.061-01	4.618-03	1.010-04	1.491-05
-3.8	1.556-16	5.423-05	8.459-15	6.553-12	7.669-01	2.072-01	4.638-03	1.100-04	1.495-05
-3.6	9.834-17	4.625-05	5.726-15	5.214-12	7.682-01	2.081-01	4.657-03	1.182-04	1.500-05
-3.4	6.215-17	3.900-05	3.831-15	4.150-12	7.683-01	2.093-01	4.676-03	1.257-04	1.506-05
-3.2	3.928-17	3.253-05	2.536-15	3.304-12	7.667-01	2.103-01	4.699-03	1.323-04	1.512-05
-3.0	2.482-17	2.687-05	1.661-15	2.632-12	7.627-01	2.117-01	4.726-03	1.379-04	1.520-05
-2.8	1.568-17	2.197-05	1.075-15	2.099-12	7.556-01	2.133-01	4.764-03	1.425-04	1.532-05
-2.6	9.897-18	1.777-05	6.876-16	1.675-12	7.441-01	2.156-01	4.817-03	1.459-04	1.549-05
-2.4	6.229-18	1.418-05	4.324-16	1.338-12	7.271-01	2.189-01	4.890-03	1.480-04	1.572-05
-2.2	3.898-18	1.112-05	2.657-16	1.068-12	7.032-01	2.229-01	4.988-03	1.482-04	1.603-05
-2.0	2.416-18	8.499-06	1.580-16	8.507-13	6.715-01	2.283-01	5.116-03	1.453-04	1.644-05
-1.8	1.475-18	6.271-06	8.383-17	6.742-13	6.318-01	2.349-01	5.274-03	1.400-04	1.695-05
-1.6	8.830-19	4.414-06	4.814-17	5.300-13	5.849-01	2.426-01	5.460-03	1.294-04	1.754-05
-1.4	5.163-19	2.934-06	2.404-17	4.122-13	5.325-01	2.510-01	5.668-03	1.151-04	1.821-05
-1.2	2.948-19	1.829-06	1.113-17	3.170-13	4.768-01	2.596-01	5.890-03	9.636-05	1.892-05
-1.0	1.648-19	1.070-06	4.787-18	2.410-13	4.201-01	2.681-01	6.117-03	7.745-05	1.965-05
-.8	9.063-20	5.905-07	1.930-18	1.814-13	3.646-01	2.759-01	6.340-03	5.887-05	2.037-05
-.6	4.926-20	3.111-07	7.394-19	1.355-13	3.123-01	2.826-01	6.554-03	4.290-05	2.105-05
-.4	2.661-20	1.583-07	2.734-19	1.007-13	2.642-01	2.878-01	6.755-03	3.027-05	2.170-05
-.2	1.436-20	7.878-08	9.900-20	7.463-14	2.212-01	2.913-01	6.940-03	2.087-05	2.229-05
.0	7.779-21	3.871-08	3.555-20	5.527-14	1.836-01	2.927-01	7.110-03	1.417-05	2.284-05
.2	4.255-21	1.895-08	1.281-20	4.102-14	1.512-01	2.919-01	7.265-03	9.538-06	2.334-05
.4	2.363-21	9.318-09	4.678-21	3.059-14	1.237-01	2.887-01	7.409-03	6.397-06	2.380-05
.6	1.341-21	4.634-09	1.750-21	2.299-14	1.007-01	2.829-01	7.545-03	4.293-06	2.423-05
.8	7.840-22	2.346-09	6.771-22	1.748-14	8.161-02	2.741-01	7.675-03	2.892-06	2.465-05
1.0	4.761-22	1.218-09	2.741-22	1.348-14	6.599-02	2.624-01	7.804-03	1.960-06	2.506-05
1.2	3.032-22	6.520-10	1.172-22	1.058-14	5.299-02	2.476-01	7.933-03	1.339-06	2.548-05
1.4	2.046-22	3.522-10	5.357-23	8.472-15	4.245-02	2.300-01	8.065-03	9.220-07	2.591-05
1.6	1.480-22	2.098-10	2.640-23	6.934-15	3.384-02	2.098-01	8.200-03	6.334-07	2.634-05
1.8	1.164-22	1.274-10	1.420-23	5.803-15	2.678-02	1.875-01	8.339-03	4.450-07	2.678-05
2.0	1.020-22	8.161-11	8.479-24	4.969-15	2.097-02	1.636-01	8.480-03	3.089-07	2.724-05
2.2	1.047-22	5.587-11	5.826-24	4.368-15	1.615-02	1.387-01	8.622-03	2.120-07	2.769-05

T= 7400

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	2.425-01	2.62834+00	3.22719+01	3.49002+01	9.54863+01	-5.[illegible]+00	2.62569+00
-6.8	2.092-01	2.51766+00	2.96271+01	3.21447+01	9.16572+01	-4.96592+00	2.[illegible]+00
-6.6	1.783-01	2.42276+00	2.73593+01	2.97820+01	8.82525+01	-4.78260+00	2.42289+00
-6.4	1.502-01	2.34271+00	2.54461+01	2.77[illegible]+01	8.52426+01	-4.59720+00	2.34283+00
-6.2	1.253-01	2.27604+00	2.38525+01	2.61285+01	8.25860+01	-4.40973+00	2.27615+00
-6.0	1.037-01	2.22106+00	2.25383+01	2.47593+01	8.02368+01	-4.22035+00	2.22114+00
-5.8	8.513-02	2.17637+00	2.14629+01	2.36390+01	7.81493+01	-4.02924+00	2.17616+00
-5.6	6.949-02	2.13948+00	2.05884+01	2.27278+01	7.62813+01	-3.83661+00	2.13956+00
-5.4	5.644-02	2.10985+00	1.98203+01	2.19902+01	7.45951+01	-3.64266+00	2.10992+00
-5.2	4.565-02	2.08593+00	1.93091+01	2.13951+01	7.30580+01	-3.44761+00	2.08600+00
-5.0	3.680-02	2.06666+00	1.88493+01	2.09159+01	7.16421+01	-3.25164+00	2.06673+00
-4.8	2.958-02	2.05114+00	1.84794+01	2.05305+01	7.03242+01	-3.05492+00	2.05119+00
-4.6	2.373-02	2.03856+00	1.81814+01	2.02200+01	6.90847+01	-2.85759+00	2.03863+00
-4.4	1.900-02	2.02836+00	1.79403+01	1.99687+01	6.79072+01	-2.65977+00	2.02840+00
-4.2	1.519-02	2.01988+00	1.77431+01	1.97629+01	6.67779+01	-2.46159+00	2.01992+00
-4.0	1.214-02	2.01263+00	1.75782+01	1.95908+01	6.56845+01	-2.26315+00	2.01266+00
-3.8	9.696-03	2.00608+00	1.74349+01	1.94410+01	6.46159+01	-2.06457+00	2.00611+00
-3.6	7.743-03	1.99965+00	1.73023+01	1.93019+01	6.35609+01	-1.86596+00	1.99968+00
-3.4	6.186-03	1.99266+00	1.71678+01	1.91605+01	6.25072+01	-1.66748+00	1.99268+00
-3.2	4.949-03	1.98422+00	1.70167+01	1.90016+01	6.14403+01	-1.46932+00	1.98424+00
-3.0	3.966-03	1.97319+00	1.68302+01	1.88034+01	6.03425+01	-1.27175+00	1.97321+00
-2.9	3.190-03	1.95810+00	1.65849+01	1.85436+01	5.91918+01	-1.07508+00	1.95811+00
-2.6	2.579-03	1.93722+00	1.62535+01	1.81907+01	5.79632+01	-8.79740-01	1.93723+00
-2.4	2.102-03	1.90879+00	1.58084+01	1.77172+01	5.66322+01	-6.86160-01	1.90879+00
-2.2	1.730-03	1.87167+00	1.52290+01	1.71005+01	5.51821+01	-4.96730-01	1.87166+00
-2.0	1.444-03	1.82497+00	1.45105+01	1.63354+01	5.36121+01	-3.05660-01	1.82495+00
-1.8	1.224-03	1.77040+00	1.36770+01	1.54404+01	5.19435+01	-1.18840-01	1.77037+00
-1.6	1.055-03	1.71022+00	1.27452+01	1.44554+01	5.02172+01	6.61400-02	1.71016+00
-1.4	9.252-04	1.64760+00	1.17853+01	1.34329+01	4.84842+01	2.49940-01	1.64751+00
-1.2	8.227-04	1.58569+00	1.08391+01	1.24248+01	4.67936+01	4.33300-01	1.58556+00
-1.0	7.395-04	1.52705+00	9.94585+00	1.14725+01	4.51839+01	6.16940-01	1.52695+00
-.8	6.694-04	1.47334+00	9.13163+00	1.06050+01	4.36791+01	8.01390-01	1.47303+00
-.6	6.080-04	1.42538+00	8.40947+00	9.83485+00	4.22897+01	9.87020-01	1.42490+00
-.4	5.525-04	1.38332+00	7.78201+00	9.16533+00	4.10158+01	1.17401+00	1.38257+00
-.2	5.012-04	1.34695+00	7.24476+00	8.59161+00	3.98502+01	1.36240+00	1.34570+00
.0	4.530-04	1.31539+00	6.78894+00	8.10433+00	3.87816+01	1.55214+00	1.31362+00
.2	4.074-04	1.28827+00	6.40368+00	7.69195+00	3.77970+01	1.74309+00	1.28553+00
.4	3.641-04	1.26485+00	6.07749+00	7.34234+00	3.68831+01	1.93512+00	1.26054+00
.6	3.229-04	1.24460+00	5.79928+00	7.04387+00	3.60272+01	2.[illegible]811+00	1.23797+00
.8	2.838-04	1.22726+00	5.55890+00	6.78616+00	3.52177+01	2.[illegible]202+00	1.21694+00
1.0	2.468-04	1.21295+00	5.34762+00	6.56057+00	3.44447+01	2.51693+00	1.19689+00
1.2	2.122-04	1.20237+00	5.15837+00	6.36075+00	3.36995+01	2.71313+00	1.17736+00
1.4	1.804-04	1.19705+00	4.98592+00	6.18297+00	3.29748+01	2.91120+00	1.15807+00
1.6	1.520-04	1.19966+00	4.82694+00	6.02659+00	3.22644+01	3.11214+00	1.13896+00
1.8	1.275-04	1.21458+00	4.67977+00	5.89435+00	3.15619+01	3.31751+00	1.12005+00
2.0	1.075-04	1.24864+00	4.54617+00	5.79281+00	3.08600+01	3.52952+00	1.[illegible]+00
2.2	9.265-05	1.31223+00	4.42088+00	5.73311+00	3.01465+01	3.75110+00	1.09330+00

T= 7500

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.700-07	2.649-11	2.950-09	4.163-12	2.904-22	1.369-20	1.295-19	5.691-08	2.147-10
-6.8	6.406-07	5.209-11	5.853-09	9.801-12	1.179-21	4.687-20	4.471-19	8.644-08	3.202-10
-6.6	1.230-06	9.851-11	1.116-08	2.231-11	4.552-21	1.535-19	1.456-18	1.271-07	4.636-10
-6.4	2.284-06	1.803-10	2.036-08	4.931-11	1.692-20	4.867-19	4.517-18	1.819-07	6.545-10
-6.2	4.112-06	3.213-10	3.683-08	1.062-10	5.930-20	1.383-18	1.346-17	2.542-07	9.048-10
-6.0	7.231-06	5.598-10	6.447-08	2.234-10	2.066-19	3.967-19	3.879-17	3.485-07	1.229-09
-5.8	1.247-05	9.578-10	1.107-07	4.601-10	6.926-19	1.109-17	1.088-16	4.702-07	1.646-09
-5.6	2.114-05	1.619-09	1.872-07	9.294-10	2.265-18	3.035-17	2.989-16	6.260-07	2.178-09
-5.4	3.538-05	2.689-09	3.125-07	1.843-09	7.239-18	8.167-17	8.060-16	8.244-07	2.854-09
-5.2	5.856-05	4.434-09	5.164-07	3.592-09	2.266-17	2.167-16	2.143-15	1.076-06	3.710-09
-5.0	9.613-05	7.254-09	8.441-07	6.881-09	6.951-17	5.488-16	5.433-15	1.394-06	4.793-09
-4.8	1.566-04	1.179-08	1.377-06	1.296-08	2.092-16	1.480-15	1.467-14	1.796-06	6.160-09
-4.6	2.539-04	1.908-08	2.229-06	2.400-08	6.182-16	3.821-15	3.794-14	2.302-06	7.885-09
-4.4	4.091-04	3.073-08	3.593-06	4.372-08	1.794-15	9.811-15	9.740-14	2.960-06	1.006-08
-4.2	6.571-04	4.936-08	5.769-06	7.839-08	5.120-15	2.507-14	2.489-13	3.741-06	1.280-08
-4.0	1.051-03	7.903-08	9.237-06	1.384-07	1.437-14	6.393-14	6.334-13	4.744-06	1.625-08
-3.8	1.677-03	1.263-07	1.475-05	2.408-07	3.974-14	1.620-13	1.605-12	6.003-06	2.060-08
-3.6	2.666-03	2.017-07	2.350-05	4.134-07	1.083-13	4.098-13	4.053-12	7.559-06	2.609-08
-3.4	4.222-03	3.217-07	3.735-05	7.009-07	2.915-13	1.034-12	1.013-11	9.507-06	3.301-08
-3.2	6.655-03	5.131-07	5.921-05	1.175-06	7.755-13	2.600-12	2.568-11	1.188-05	4.174-08
-3.0	1.042-02	8.185-07	9.358-05	1.950-06	2.042-12	6.519-12	6.427-11	1.475-05	5.278-08
-2.8	1.619-02	1.307-06	1.473-04	3.208-06	5.324-12	1.627-11	1.597-10	1.813-05	6.676-08
-2.6	2.477-02	2.031-06	2.304-04	5.229-06	1.376-11	4.038-11	3.780-10	2.196-05	8.447-08
-2.4	3.729-02	3.356-06	3.784-04	8.445-06	3.521-11	9.943-11	9.017-10	2.608-05	1.069-07
-2.2	5.486-02	5.406-06	5.518-04	1.349-05	8.905-11	2.424-10	2.101-09	3.013-05	1.353-07
-2.0	7.863-02	8.744-06	8.391-04	2.122-05	2.218-10	5.837-10	4.755-09	3.363-05	1.708-07
-1.8	1.085-01	1.421-05	1.258-03	3.266-05	5.402-10	1.384-09	1.040-08	3.598-05	2.147-07
-1.6	1.447-01	2.316-05	1.855-03	4.878-05	1.276-09	3.228-09	2.195-08	3.673-05	2.678-07
-1.4	1.861-01	3.782-05	2.684-03	6.997-05	2.891-09	7.390-09	4.458-08	3.564-05	3.304-07
-1.2	2.304-01	6.175-05	3.826-03	9.553-05	6.279-09	1.661-08	8.733-08	3.301-05	4.022-07
-1.0	2.774-01	1.008-04	5.352-03	1.236-04	1.270-08	3.662-08	1.653-07	2.922-05	4.818-07
-.8	3.234-01	1.631-04	7.360-03	1.515-04	2.451-08	7.929-08	3.035-07	2.488-05	5.717-07
-.6	3.675-01	2.630-04	9.960-03	1.771-04	4.501-08	1.686-07	5.416-07	2.051-05	6.686-07
-.4	4.083-01	4.206-04	1.324-02	1.993-04	7.927-08	3.525-07	9.430-07	1.648-05	7.734-07
-.2	4.450-01	6.669-04	1.745-02	2.169-04	1.350-07	7.246-07	1.606-06	1.299-05	8.859-07
.0	4.774-01	1.045-03	2.263-02	2.312-04	2.260-07	1.465-06	2.680-06	1.009-05	1.006-06
.2	5.052-01	1.619-03	2.897-02	2.424-04	3.841-07	2.912-06	4.393-06	7.771-06	1.134-06
.4	5.288-01	2.472-03	3.662-02	2.514-04	5.619-07	5.692-06	7.079-06	5.963-06	1.269-06
.6	5.486-01	3.714-03	4.571-02	2.587-04	9.164-07	1.093-05	1.122-05	4.581-06	1.413-06
.8	5.650-01	5.475-03	5.632-02	2.647-04	1.424-06	2.060-05	1.753-05	3.547-06	1.565-06
1.0	5.785-01	7.879-03	6.843-02	2.697-04	2.182-06	3.813-05	2.684-05	2.781-06	1.727-06
1.2	5.899-01	1.112-02	8.195-02	2.741-04	3.302-06	6.935-05	4.069-05	2.223-06	1.905-06
1.4	5.995-01	1.524-02	9.664-02	2.777-04	4.930-06	1.243-04	6.002-05	1.825-06	2.106-06
1.6	6.079-01	2.031-02	1.122-01	2.806-04	7.271-06	2.210-04	8.743-05	1.551-06	2.347-06
1.8	6.154-01	2.628-02	1.291-01	2.826-04	1.061-05	3.948-04	1.251-04	1.379-06	2.658-06
2.0	6.223-01	3.304-02	1.440-01	2.829-04	1.536-05	7.225-04	1.759-04	1.302-06	3.102-06
2.2	6.290-01	4.038-02	1.593-01	2.813-04	2.218-05	1.39[illegible]-03	2.428-04	1.339-06	3.824-06

T= 7500

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.516-23	5.980-07	4.953-12	4.627-10	2.134-01	2.853-12	5.211-02	4.313-16	6.411-04
-6.8	3.930-23	7.644-07	6.844-12	6.952-10	1.844-01	1.883-12	4.505-02	2.829-16	5.332-04
-6.6	9.707-23	1.116-06	1.542-11	1.013-09	1.604-01	1.245-12	3.847-02	1.850-16	4.403-04
-6.4	2.304-22	1.586-06	2.628-11	1.438-09	1.363-01	8.360-13	3.248-02	1.205-16	3.625-04
-6.2	5.291-22	2.204-06	4.391-11	1.997-09	1.145-01	5.323-13	2.715-02	7.816-17	2.962-04
-6.0	1.183-21	3.008-06	7.202-11	2.723-09	9.542-02	3.456-13	2.250-02	5.051-17	2.417-04
-5.8	2.586-21	4.043-06	1.161-10	3.658-09	7.879-02	2.234-13	1.851-02	3.253-17	1.961-04
-5.6	5.555-21	5.366-06	1.841-10	4.853-09	6.460-02	1.438-13	1.513-02	2.087-17	1.585-04
-5.4	1.176-20	7.049-06	2.873-10	6.375-09	5.266-02	9.225-14	1.230-02	1.336-17	1.277-04
-5.2	2.460-20	9.183-06	4.414-10	8.304-09	4.271-02	5.905-14	9.960-03	8.527-18	1.026-04
-5.0	5.090-20	1.188-05	6.676-10	1.075-08	3.450-02	3.764-14	8.033-03	5.432-18	8.232-05
-4.8	1.049-19	1.529-05	9.939-10	1.383-08	2.778-02	2.397-14	6.460-03	3.454-18	6.590-05
-4.6	2.145-19	1.958-05	1.457-09	1.773-08	2.230-02	1.523-14	5.182-03	2.194-18	5.268-05
-4.4	4.365-19	2.499-05	2.101-09	2.264-08	1.786-02	9.666-15	4.149-03	1.392-18	4.206-05
-4.2	8.850-19	3.180-05	2.985-09	2.885-08	1.428-02	6.126-15	3.317-03	8.819-19	3.355-05
-4.0	1.789-18	4.036-05	4.178-09	3.667-08	1.140-02	3.878-15	2.649-03	5.586-19	2.675-05
-3.8	3.609-18	5.111-05	5.765-09	4.655-08	9.085-03	2.453-15	2.113-03	3.536-19	2.131-05
-3.6	7.268-18	6.458-05	7.849-09	5.905-08	7.229-03	1.549-15	1.685-03	2.238-19	1.697-05
-3.4	1.463-17	8.141-05	1.056-08	7.486-08	5.741-03	9.764-16	1.343-03	1.416-19	1.352-05
-3.2	2.944-17	1.024-04	1.404-08	9.495-08	4.549-03	6.141-16	1.071-03	8.957-20	1.077-05
-3.0	5.929-17	1.282-04	1.847-08	1.206-07	3.594-03	3.849-16	8.537-04	5.666-20	8.585-06
-2.8	1.197-16	1.599-04	2.406-08	1.535-07	2.826-03	2.399-16	6.810-04	3.584-20	6.848-06
-2.6	2.424-16	1.979-04	3.101-08	1.962-07	2.207-03	1.484-16	5.436-04	2.265-20	5.467-06
-2.4	4.938-16	2.427-04	3.950-08	2.522-07	1.708-03	9.067-17	4.342-04	1.629-20	4.369-06
-2.2	1.014-15	2.934-04	4.956-08	3.270-07	1.304-03	5.445-17	3.469-04	8.979-21	3.493-06
-2.0	2.106-15	3.483-04	6.085-08	4.288-07	9.776-04	3.193-17	2.767-04	5.400-21	2.790-06
-1.8	4.431-15	4.040-04	7.249-08	5.703-07	7.166-04	1.815-17	2.198-04	3.450-21	2.221-06
-1.6	9.464-15	4.558-04	8.283-08	7.705-07	5.113-04	9.931-18	1.734-04	2.097-21	1.756-06
-1.4	2.052-14	4.989-04	8.974-08	1.058-06	3.543-04	5.213-18	1.354-04	1.235-21	1.376-06
-1.2	4.512-14	5.295-04	9.136-08	1.473-06	2.383-04	2.623-18	1.044-04	7.126-22	1.066-06
-1.0	1.002-13	5.458-04	8.768-08	2.075-06	1.559-04	1.269-18	7.953-05	4.016-22	8.160-07
-.8	2.238-13	5.481-04	7.797-08	2.945-06	9.939-05	5.944-19	5.983-05	2.217-22	6.182-07
-.6	5.007-13	5.381-04	6.612-08	4.194-06	6.212-05	2.712-19	4.454-05	1.205-22	4.644-07
-.4	1.117-12	5.188-04	5.373-08	5.968-06	3.821-05	1.215-19	3.288-05	6.479-23	3.466-07
-.2	2.475-12	4.928-04	4.234-08	8.483-06	2.323-05	5.386-20	2.410-05	3.462-23	2.578-07
.0	5.430-12	4.629-04	3.269-08	1.192-05	1.402-05	2.377-20	1.758-05	1.847-23	1.916-07
.2	1.175-11	4.311-04	2.495-08	1.665-05	8.430-06	1.052-20	1.279-05	9.889-24	1.426-07
.4	2.501-11	3.995-04	1.897-08	2.298-05	5.072-06	4.698-21	9.298-06	5.335-24	1.067-07
.6	5.214-11	3.693-04	1.447-08	3.127-05	3.056-06	2.134-21	6.766-06	2.915-24	8.055-08
.8	1.061-10	3.416-04	1.113-08	4.187-05	1.831-06	9.932-22	4.942-06	1.623-24	6.158-08
1.0	2.100-10	3.175-04	8.690-09	5.502-05	1.159-06	4.780-22	3.634-06	9.270-25	4.791-08
1.2	4.038-10	2.976-04	6.929-09	7.084-05	7.325-07	2.401-22	2.700-06	5.470-25	3.814-08
1.4	7.542-10	2.828-04	5.680-09	8.942-05	4.752-07	1.272-22	2.039-06	3.362-25	3.124-08
1.6	1.376-09	2.726-04	4.820-09	1.111-04	3.186-07	7.171-23	1.565-06	2.171-25	2.652-08
1.8	2.485-09	2.736-04	4.276-09	1.369-04	2.226-07	4.362-23	1.236-06	1.490-25	2.353-08
2.0	4.538-09	2.850-04	4.020-09	1.703-04	1.641-07	2.918-23	1.015-06	1.108-25	2.212-08
2.2	8.704-09	3.173-04	4.102-09	2.194-04	1.304-07	2.234-23	8.850-07	9.286-26	2.253-08

T= 75CC

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	4.356-13	1.172-04	1.313-12	3.294-10	3.617-01	1.025-01	2.800-03	4.346-06	1.1[illegible]-05
-6.8	2.748-13	1.213-04	1.031-12	2.616-10	4.159-01	1.168-01	3.069-03	5.931-06	1.157-05
-6.6	1.740-13	1.247-04	8.114-13	2.088-10	4.676-01	1.302-01	3.315-03	7.962-06	1.236-05
-6.4	1.104-13	1.272-04	6.381-13	1.671-10	5.152-01	1.426-01	3.534-03	1.052-05	1.252-05
-6.2	7.003-14	1.285-04	5.063-13	1.339-10	5.582-01	1.536-01	3.729-03	1.370-05	1.293-05
-6.0	4.45 -14	1.286-04	3.903-13	1.073-10	5.962-01	1.633-01	3.895-03	1.754-05	1.324-05
-5.8	2.827-14	1.273-04	3.026-13	8.593-11	6.290-01	1.717-01	4.037-03	2.226-05	1.345-05
-5.6	1.794-14	1.247-04	2.327-13	6.877-11	6.570-01	1.787-01	4.157-03	2.779-05	1.356-05
-5.4	1.138-14	1.208-04	1.774-13	5.499-11	6.805-01	1.847-01	4.258-03	3.418-05	1.[illegible]-05
-5.2	7.214-15	1.155-04	1.339-13	4.392-11	7.001-01	1.897-01	4.341-03	4.[illegible]-05	1.407-05
-5.0	4.569-15	1.091-04	9.979-14	3.506-11	7.162-01	1.937-01	4.407-03	4.960-05	1.443-05
-4.8	2.893-15	1.016-04	7.351-14	2.796-11	7.294-01	1.970-01	4.465-03	5.844-05	1.455-05
-4.6	1.833-15	9.335-05	5.345-14	2.228-11	7.401-01	1.998-01	4.519-03	6.[illegible]-05	1.446-05
-4.4	1.158-15	8.453-05	3.835-14	1.775-11	7.486-01	2.020-01	4.567-03	7.75[illegible]-05	1.424-05
-4.2	7.321-16	7.545-05	2.715-14	1.413-11	7.554-01	2.038-01	4.607-03	8.734-05	1.391[illegible]-05
-4.0	4.629-16	6.641-05	1.894-14	1.125-11	7.606-01	2.053-01	4.640-03	9.7[illegible]-05	1.347-05
-3.8	2.926-16	5.767-05	1.305-14	8.949-12	7.643-01	2.065-01	4.665-03	1.062-04	1.292-05
-3.6	1.850-16	4.944-05	8.891-15	7.121-12	7.668-01	2.074-01	4.685-03	1.144-04	1.227-05
-3.4	1.170-16	4.189-05	5.972-15	5.669-12	7.678-01	2.080-01	4.664-03	1.22[illegible]-04	1.[illegible]-05
-3.2	7.395-17	3.510-05	3.973-15	4.513-12	7.672-01	2.084-01	4.685-03	1.29[illegible]-04	1.[illegible]-05
-3.0	4.677-17	2.912-05	2.615-15	3.595-12	7.644-01	2.103-01	4.711-03	1.35[illegible]-04	1.516-05
-2.8	2.958-17	2.392-05	1.703-15	2.867-12	7.583-01	2.124-01	4.744-03	1.403-04	1.525-05
-2.6	1.870-17	1.946-05	1.087-15	2.298-12	7.496-01	2.144-01	4.780-03	1.447-04	1.520-05
-2.4	1.180-17	1.564-05	6.963-16	1.824-12	7.353-01	2.172-01	4.823-03	1.475-04	1.[illegible]-05
-2.2	7.422-18	1.239-05	4.339-16	1.461-12	7.146-01	2.206-01	4.870-03	1.497-04	1.488-05
-2.0	4.636-18	9.610-06	2.692-16	1.167-12	6.865-01	2.257-01	5.054-03	1.479-04	1.424-05
-1.8	2.861-18	7.235-06	1.536-16	9.297-13	6.504-01	2.317-01	5.193-03	1.434-04	1.[illegible]-05
-1.6	1.735-18	5.229-06	8.515-17	7.343-13	6.066-01	2.394-01	5.374-03	1.358-04	1.327-05
-1.4	1.030-18	3.586-06	4.424-17	5.752-13	5.544-01	2.487-01	5.573-03	1.233-04	1.731-05
-1.2	5.965-19	2.313-06	2.135-17	4.455-13	5.019-01	2.585-01	5.741-03	1.067-04	1.[illegible]-05
-1.0	3.383-19	1.358-06	9.555-18	3.410-13	4.453-01	2.662-01	6.317-03	8.754-[illegible]	1.[illegible]-05
-.8	1.881-19	7.956-07	3.949-18	2.583-13	3.891-01	2.720-01	6.243-03	6.814-05	2.[illegible]-05
-.6	1.031-19	4.296-07	1.572-18	1.940-13	3.351-01	2.771-01	6.443-03	5.073-05	2.376-05
-.4	5.[illegible]09-20	2.226-07	5.937-19	1.447-13	2.955-01	2.848-01	6.671-03	3.637-05	2.[illegible]-05
-.2	3.[illegible]42-20	1.122-07	2.142-19	1.076-13	2.397-01	2.983-01	6.865-03	2.537-05	2.[illegible]-05
.0	1.65[illegible]-20	5.566-08	7.917-20	7.994-14	1.597-01	2.909-01	7.[illegible]43-03	1.737-05	2.262-05
.2	9.[illegible]45-21	2.740-08	2.870-20	5.936-14	1.65[illegible]-01	2.908-01	7.2[illegible]-03	1.175-05	2.315-05
.4	5.[illegible]40-21	1.351-08	1.052-20	4.431-14	1.35[illegible]-01	2.882-01	7.357-03	7.[illegible]59-06	2.343-05
.6	2.851-21	6.728-09	3.938-21	3.331-14	1.10[illegible]-01	2.8[illegible]-01	7.[illegible]44-03	5.317-06	2.[illegible]-05
.8	1.[illegible]72-21	3.405-09	1.623-21	2.531-14	8.966-02	2.744-01	7.[illegible]33-03	3.[illegible]33-06	2.[illegible]-05
1.0	1.014-21	1.755-09	6.151-22	1.951-14	7.244-02	2.63[illegible]-01	7.765-03	2.424-[illegible]	2.[illegible]-05
1.2	6.449-22	9.424-10	2.624-22	1.537-14	5.836-02	2.[illegible]-01	7.[illegible]-03	1.657-06	2.[illegible]-05
1.4	4.348-22	5.213-10	1.145-22	1.224-14	4.679-02	2.3[illegible]-01	8.[illegible]-03	1.132-06	2.[illegible]-05
1.6	3.144-22	3.014-10	5.[illegible]-23	1.001-14	3.732-02	2.13[illegible]-01	8.163-03	7.[illegible]-07	2.624-[illegible]
1.8	2.479-22	1.926-10	3.14[illegible]-23	8.37[illegible]-15	2.955-02	1.959-01	8.[illegible]-03	5.[illegible]-07	2.[illegible]-05
2.0	2.134-22	1.169-10	[illegible].494-23	7.179-15	2.315-02	1.672-01	8.[illegible]-03	3.[illegible]-07	2.[illegible]-05
2.2	2.255-22	8.009-11	1.314-23	6.327-15	1.794-02	1.422-01	8.597-03	2.[illegible]-07	2.761-05

T= 75CC

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Y=
-7.0	2.[illegible]55-01	2.71[illegible]19+00	3.3[illegible]37+01	3.68516+01	9.7[illegible]959+01	-5.12744+00	2.71[illegible]37+00
-6.8	2.[illegible]21-01	2.59253+00	3.1[illegible]675+01	3.36CCC+01	9.[illegible]48+01	-4.94[illegible]36+00	2.59[illegible]70+00
-6.6	1.976-01	2.48[illegible]79+00	2.9572[illegible]+01	3.10591+01	9.5[illegible]07+01	-4.76545+00	2.48[illegible]61+00
-6.4	1.693-01	2.3[illegible]65+00	2.6444[illegible]+01	2.8[illegible]06+01	8.65[illegible]91	-4.5[illegible]43+00	2.33[illegible]+00
-6.2	1.422-01	2.[illegible]83+00	2.4654[illegible]+01	2.69774+01	8.37155+01	-4.39544+00	2.32097+00
-6.0	1.183-01	2.25735+00	2.3172[illegible]+01	2.5[illegible]04+01	8.11776+01	-4.20732+00	2.25807+00
-5.8	9.763-02	2.20622+00	2.19517+01	2.41579+01	7.8[illegible]43+01	-4.01744+00	2.20634+00
-5.6	8.002-02	2.16333+00	2.09547+01	2.31187+01	7.59266+01	-3.82583+00	2.16428+00
-5.4	6.522-02	2.12947+00	2.01451+01	2.22748+01	7.51284+01	-3.63277+00	2.12376+00
-5.2	5.290-02	2.10192+00	1.94905+01	2.15924+01	7.34997+01	-3.45847+00	2.10230+00
-5.0	4.274-[illegible]	2.07853+00	1.89626+01	2.10422+01	7.20092+01	-3.26312+00	2.07361+00
-4.8	3.462-02	2.06149+00	1.85378+01	2.05993+01	7.06310+01	-3.06690+00	2.06154+00
-4.6	2.765-0[illegible]	2.04693+00	1.81954+01	2.02427+01	6.93631+01	-2.86998+00	2.04693+00
-4.4	2.217-02	2.03512+00	1.79198+01	1.99549+01	6.81273+01	-2.65243+00	2.03518+00
-4.2	1.774-02	2.02544+00	1.76955+01	1.97209+01	6.69681+01	-2.45457+00	2.02549+00
-4.0	1.419-02	2.01731+00	1.75104+01	1.95277+01	6.58522+01	-2.25631+00	2.01735+00
-3.8	1.133-02	2.01019+00	1.73532+01	1.93624+01	6.47676+01	-2.05785+00	2.01023+00
-3.6	9.052-03	2.00353+00	1.72127+01	1.92164+01	6.37032+01	-1.85922+00	2.00356+00
-3.4	7.231-03	1.99668+00	1.70774+01	1.90744+01	6.26472+01	-1.66078+00	1.99671+00
-3.2	5.780-03	1.98895+00	1.69341+01	1.8922[illegible]+01	6.15856+01	-1.46268+00	1.98897+00
-3.0	4.628-03	1.[illegible]7900+00	1.67650+01	1.8744C+01	6.05C27+01	-1.26464+00	1.97902+00
-2.8	3.715-03	1.96581+00	1.65493+01	1.85151+01	5.93785+01	-1.06754+00	1.96583+00
-2.6	2.995-03	1.94765+00	1.62613+01	1.82089+01	5.81892+01	-8.71570-01	1.9[illegible]+00
-2.4	2.431-03	1.92270+00	1.58732+01	1.77659+01	5.69C97+01	-6.77170-01	1.92271+00
-2.2	1.990-03	1.8[illegible]38+00	1.53605+01	1.72499+01	5.55189+01	-4.84760-01	1.88938+00
-2.0	1.648-03	1.[illegible]686+00	1.47151+01	1.6557C+01	5.40080+01	-2.96650-01	1.[illegible]695+00
-1.8	1.386-03	1.79559+00	1.39292+01	1.57248+01	5.23880+01	-1.06880-01	1.79556+00
-1.6	1.184-03	1.7376[illegible]+00	1.30465+01	1.47839+01	5.C4917+01	7.88300-02	1.73763+00
-1.4	1.029-03	1.67566+00	1.21069+01	1.37823+01	4.89662+01	2.63050-01	1.67538+00
-1.2	9.077-04	1.61280+00	1.11601+01	1.27729+01	4.72624+01	4.46503-01	1.61267+00
-1.0	8.111-04	1.55236+00	1.02497+01	1.18C22+01	4.56236+01	6.29910-01	1.55216+00
-.8	7.313-04	1.49821+00	9.40788+00	1.09041+01	4.40799+01	8.13910-01	1.49599+00
-.6	6.628-04	1.44553+00	8.65244+00	1.00980+01	4.26476+01	9.98940-01	1.44504+00
-.4	6.018-04	1.[illegible]74+00	7.99041+00	9.39115+00	4.13303+01	1.18527+00	1.39999+00
-.2	5.460-04	1.[illegible]171+00	7.41996+00	8.78163+00	4.01240+01	1.37300+00	1.36055+00
.0	4.939-04	1.[illegible]2798+00	6.93398+00	8.26196+00	3.90189+01	1.56711+00	1.32619+00
.2	4.448-04	1.[illegible]9842+00	6.52240+00	7.82132+00	3.80027+01	1.75250+00	1.29615+00
.4	3.98[illegible]-04	1.27387+00	6.17402+00	7.44767+00	3.70620+01	1.94404+00	1.26958+00
.6	3.543-04	1.25232+00	5.87754+00	7.12986+00	3.61842+01	2.13663+00	1.24566+00
.8	3.118-04	1.23[illegible]+00	5.62258+00	6.85654+00	3.53567+01	2.33022+00	1.22361+00
1.0	2.718-04	1.21[illegible]+00	5.39993+00	6.61888+00	3.45694+01	2.52487+00	1.20276+00
1.2	2.344-04	1.20771+00	5.20199+00	6.40976+00	3.38129+01	2.72088+00	1.18262+00
1.4	1.999-04	1.20[illegible]42+00	5.02299+00	6.22491+00	3.30793+01	2.91879+00	1.16285+00
1.6	1.690-04	1.20[illegible]15+00	[illegible].85901+00	6.06317+00	3.23617+01	3.11960+00	1.14332+00
1.8	1.422-04	1.21[illegible]+00	4.70793+00	5.92666+00	3.16533+01	3.32482+00	1.12402+00
2.0	1.204-04	1.25[illegible]+00	4.56905+00	5.8215C+00	3.09483+01	3.53667+00	1.10505+00
2.2	1.041-04	1.31[illegible]+00	4.44287+00	5.75852+00	3.02302+01	3.75406+00	1.08644+00

T= 7600

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.171-07	2.052-11	2.174-09	2.664-12	1.585-22	8.958-21	8.008-20	4.847-08	1.925-10
-6.8	4.490-07	4.152-11	4.448-09	6.424-12	6.680-22	3.203-20	2.695-19	7.549-08	2.934-10
-6.6	8.866-07	8.083-11	8.698-09	1.493-11	2.660-21	1.074-19	9.796-19	1.134-07	4.325-10
-6.4	1.683-06	1.502-10	1.638-08	3.359-11	1.009-20	3.408-19	3.136-18	1.653-07	6.200-10
-6.2	3.092-06	2.721-10	2.987-08	7.367-11	3.674-20	1.035-18	9.588-18	2.367-07	8.880-10
-6.0	5.525-06	4.866-10	5.308-08	1.567-10	1.291-19	3.030-18	2.823-17	3.259-07	1.192-09
-5.8	9.651-06	8.315-10	9.227-08	3.266-10	4.400-19	8.610-18	8.061-17	4.445-07	1.610-09
-5.6	1.655-05	1.414-09	1.576-07	6.659-10	1.459-18	2.380-17	2.249-16	5.970-07	2.145-09
-5.4	2.793-05	2.373-09	2.652-07	1.336-09	4.722-18	6.494-17	6.124-16	7.919-07	2.827-09
-5.2	4.658-05	3.937-09	4.411-07	2.626-09	1.486-17	1.738-16	1.643-15	1.040-06	3.694-09
-5.0	7.688-05	6.472-09	7.266-07	5.074-09	4.631-17	4.594-16	4.352-15	1.354-06	4.790-09
-4.8	1.259-04	1.056-08	1.180-06	9.632-09	1.407-16	1.202-15	1.140-14	1.751-06	6.175-09
-4.6	2.047-04	1.714-08	1.929-06	1.798-08	4.194-16	3.117-15	2.961-14	2.252-06	7.924-09
-4.4	3.311-04	2.768-08	3.118-06	3.299-08	1.227-15	8.033-15	7.636-14	2.882-06	1.013-08
-4.2	5.330-04	4.453-08	5.018-06	5.957-08	3.529-15	2.059-14	1.956-13	3.676-06	1.291-08
-4.0	8.549-04	7.143-08	8.049-06	1.059-07	9.977-15	5.254-14	4.995-13	4.673-06	1.641-08
-3.8	1.366-03	1.143-07	1.287-05	1.853-07	2.776-14	1.336-13	1.269-12	5.921-06	2.083-08
-3.6	2.176-03	1.827-07	2.054-05	3.199-07	7.613-14	3.385-13	3.211-12	7.480-06	2.639-08
-3.4	3.454-03	2.916-07	3.269-05	5.452-07	2.060-13	8.555-13	8.092-12	9.417-06	3.341-08
-3.2	5.457-03	4.651-07	5.189-05	9.102-07	5.506-13	2.155-12	2.029-11	1.180-05	4.228-08
-3.0	8.574-03	7.419-07	8.215-05	1.531-06	1.456-12	5.413-12	5.057-11	1.470-05	5.348-08
-2.8	1.336-02	1.186-06	1.296-04	2.527-06	3.812-12	1.356-11	1.250-10	1.816-05	6.766-08
-2.6	2.060-02	1.893-06	2.034-04	4.135-06	9.889-12	3.370-11	3.055-10	2.217-05	8.563-08
-2.4	3.127-02	3.033-06	3.173-04	6.708-06	2.542-11	8.328-11	7.349-10	2.659-05	1.084-07
-2.2	4.651-02	4.877-06	4.926-04	1.077-05	6.463-11	2.040-10	1.731-09	3.115-05	1.373-07
-2.0	6.737-02	7.874-06	7.502-04	1.708-05	1.624-10	4.940-10	3.971-09	3.537-05	1.737-07
-1.8	9.457-02	1.277-05	1.132-03	2.660-05	4.001-10	1.179-09	8.821-09	3.862-05	2.192-07
-1.6	1.282-01	2.078-05	1.681-03	4.036-05	9.601-10	2.770-09	1.891-08	4.033-05	2.748-07
-1.4	1.693-01	3.390-05	2.455-03	5.911-05	2.222-09	6.391-09	3.903-08	4.010-05	3.412-07
-1.2	2.111-01	5.535-05	3.521-03	8.274-05	4.910-09	1.447-08	7.764-08	3.796-05	4.105-07
-1.0	2.570-01	9.022-05	4.960-03	1.099-04	1.028-08	3.216-08	1.491-07	3.431-05	5.062-07
-.8	3.035-01	1.455-04	6.868-03	1.383-04	2.037-08	7.012-08	2.771-07	2.974-05	6.036-07
-.6	3.485-01	2.366-04	9.356-03	1.653-04	3.826-08	1.501-07	5.301-07	2.469-05	7.103-07
-.4	3.909-01	3.783-04	1.214-02	1.891-04	6.863-08	3.158-07	8.792-07	2.025-05	8.260-07
- .2	4.294-01	6.026-04	1.657-02	2.090-04	1.186-07	6.528-07	1.510-06	1.611-05	9.505-07
.0	4.637-01	9.475-04	2.159-02	2.250-04	1.989-07	1.327-06	2.539-06	1.262-05	1.084-06
.2	4.934-01	1.472-03	2.775-02	2.377-04	3.259-07	2.651-06	4.187-06	9.776-06	1.226-06
.4	5.188-01	2.255-03	3.522-02	2.477-04	5.240-07	5.208-06	6.784-06	7.536-06	1.377-06
.6	5.401-01	3.400-03	4.413-02	2.558-04	8.293-07	1.005-05	1.061-05	5.811-06	1.537-06
.8	5.579-01	5.033-03	5.455-02	2.624-04	1.294-06	1.904-05	1.693-05	4.507-06	1.707-06
1.0	5.727-01	7.295-03	6.652-02	2.680-04	1.991-06	3.544-05	2.609-05	3.538-06	1.892-06
1.2	5.850-01	1.032-02	7.993-02	2.727-04	3.024-06	6.482-05	3.951-05	2.830-06	2.094-06
1.4	5.954-01	1.423-02	9.460-02	2.767-04	4.533-06	1.169-04	5.881-05	2.323-06	2.326-06
1.6	6.043-01	1.908-02	1.102-01	2.798-04	6.712-06	2.092-04	8.600-05	1.975-06	2.604-06
1.8	6.123-01	2.484-02	1.263-01	2.820-04	9.833-06	3.762-04	1.235-04	1.756-06	2.937-06
2.0	6.196-01	3.143-02	1.425-01	2.829-04	1.430-05	6.930-04	1.743-04	1.660-06	3.487-06
2.2	6.266-01	3.666-02	1.582-01	2.818-04	2.074-05	1.350-03	2.414-04	1.712-06	4.336-06

T= 7600

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.438-23	4.094-07	3.823-12	4.522-10	2.328-01	5.144-12	5.657-02	8.686-16	7.413-04
-6.8	3.865-23	6.307-07	6.941-12	6.952-10	2.051-01	3.414-12	4.931-02	5.702-16	6.199-04
-6.6	9.839-23	9.387-07	1.228-11	1.033-09	1.782-01	2.257-12	4.242-02	3.734-16	5.151-04
-6.4	2.394-22	1.357-06	2.123-11	1.490-09	1.527-01	1.485-12	3.606-02	2.437-16	4.255-04
-6.2	5.617-22	1.913-06	3.584-11	2.098-09	1.293-01	9.724-13	3.033-02	1.584-16	3.496-04
-6.0	1.276-21	2.641-06	5.940-11	2.895-09	1.084-01	6.334-13	2.527-02	1.026-16	2.858-04
-5.8	2.828-21	3.585-06	9.667-11	3.926-09	8.999-02	4.107-13	2.088-02	6.620-17	2.326-04
-5.6	6.141-21	4.796-06	1.547-10	5.250-09	7.414-02	2.651-13	1.714-02	4.257-17	1.885-04
-5.4	1.312-20	6.341-06	2.433-10	6.939-09	6.067-02	1.705-13	1.398-02	2.729-17	1.523-04
-5.2	2.764-20	8.305-06	3.768-10	9.087-09	4.937-02	1.093-13	1.135-02	1.745-17	1.226-04
-5.0	5.763-20	1.079-05	5.742-10	1.181-08	3.999-02	6.983-14	9.171-03	1.113-17	9.852-05
-4.8	1.191-19	1.393-05	8.611-10	1.525-08	3.226-02	4.453-14	7.389-03	7.084-18	7.898-05
-4.6	2.444-19	1.790-05	1.271-09	1.960-08	2.595-02	2.834-14	5.936-03	4.503-18	6.320-05
-4.4	4.980-19	2.290-05	1.846-09	2.509-08	2.082-02	1.800-14	4.759-03	2.859-18	5.051-05
-4.2	1.014-18	2.919-05	2.641-09	3.201-08	1.667-02	1.142-14	3.808-03	1.813-18	4.032-05
-4.0	2.053-18	3.711-05	3.719-09	4.075-08	1.332-02	7.236-15	3.043-03	1.149-18	3.216-05
-3.8	4.147-18	4.706-05	5.162-09	5.178-08	1.063-02	4.580-15	2.430-03	7.277-19	2.563-05
-3.6	8.362-18	5.955-05	7.067-09	6.572-08	8.463-03	2.895-15	1.938-03	4.607-19	2.043-05
-3.4	1.684-17	7.510-05	9.553-09	8.335-08	6.729-03	1.827-15	1.546-03	2.916-19	1.627-05
-3.2	3.389-17	9.467-05	1.276-08	1.057-07	5.339-03	1.151-15	1.232-03	1.846-19	1.297-05
-3.0	6.823-17	1.188-04	1.687-08	1.342-07	4.225-03	7.231-16	9.825-04	1.168-19	1.033-05
-2.8	1.376-16	1.486-04	2.208-08	1.706-07	3.331-03	4.523-16	7.838-04	7.394-20	8.243-06
-2.6	2.781-16	1.846-04	2.860-08	2.175-07	2.611-03	2.811-16	6.257-04	4.679-20	6.581-06
-2.4	5.648-16	2.276-04	3.666-08	2.787-07	2.031-03	1.730-16	5.000-04	2.958-20	5.261-06
-2.2	1.155-15	2.772-04	4.638-08	3.597-07	1.561-03	1.049-16	3.997-04	1.866-20	4.209-06
-2.0	2.383-15	3.322-04	5.763-08	4.689-07	1.182-03	6.236-17	3.194-04	1.171-20	3.368-06
-1.8	4.977-15	3.899-04	6.982-08	6.189-07	8.767-04	3.606-17	2.546-04	7.277-21	2.689-06
-1.6	1.054-14	4.461-04	8.161-08	8.291-07	6.343-04	2.015-17	2.019-04	4.455-21	2.137-06
-1.4	2.268-14	4.957-04	9.097-08	1.128-06	4.461-04	1.082-17	1.587-04	2.673-21	1.685-06
-1.2	4.947-14	5.342-04	9.566-08	1.559-06	3.045-04	5.566-18	1.233-04	1.566-21	1.314-06
-1.0	1.092-13	5.585-04	9.429-08	2.183-06	2.019-04	2.751-18	9.456-05	8.951-22	1.014-06
-.8	2.429-13	5.676-04	8.710-08	3.084-06	1.304-04	1.311-18	7.163-05	5.004-22	7.729-07
-.6	5.421-13	5.635-04	7.587-08	4.379-06	8.234-05	6.072-19	5.364-05	2.748-22	5.838-07
-.4	1.208-12	5.480-04	6.297-08	6.226-06	5.108-05	2.753-19	3.978-05	1.489-22	4.377-07
-.2	2.690-12	5.244-04	5.041-08	8.830-06	3.126-05	1.231-19	2.928-05	8.008-23	3.267-07
.0	5.990-12	4.954-04	3.936-08	1.245-05	1.896-05	5.469-20	2.143-05	4.293-23	2.434-07
.2	1.278-11	4.636-04	3.028-08	1.742-05	1.145-05	2.432-20	1.563-05	2.306-23	1.815-07
.4	2.731-11	4.312-04	2.314-08	2.411-05	6.906-06	1.090-20	1.139-05	1.247-23	1.360-07
.6	5.719-11	3.999-04	1.770-08	3.293-05	4.183-06	4.957-21	8.302-06	6.829-24	1.027-07
.8	1.170-10	3.709-04	1.364-08	4.427-05	2.555-06	2.309-21	6.073-06	3.808-24	7.850-08
1.0	2.332-10	3.455-04	1.056-08	5.843-05	1.583-06	1.112-21	4.472-06	2.177-24	6.105-08
1.2	4.516-10	3.245-04	8.502-09	7.562-05	1.000-06	5.582-22	3.327-06	1.286-24	4.855-08
1.4	8.506-10	3.090-04	6.968-09	9.599-05	6.484-07	2.955-22	2.512-06	7.918-25	3.974-08
1.6	1.566-09	3.003-04	5.915-09	1.200-04	4.343-07	1.667-22	1.934-06	5.128-25	3.370-08
1.8	2.854-09	3.004-04	5.251-09	1.488-04	3.033-07	1.016-22	1.532-06	3.538-25	2.990-08
2.0	5.263-09	3.139-04	4.947-09	1.863-04	2.236-07	6.838-23	1.262-06	2.654-25	2.813-08
2.2	1.020-08	3.511-04	5.068-09	2.417-04	1.778-07	5.294-23	1.105-06	2.256-25	2.873-08

T= 76CC

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	8.027-13	1.139-04	1.900-12	4.485-10	3.240-01	9.301-02	2.588-03	3.712-06	1.069-05
-6.8	5.055-13	1.183-04	1.486-12	3.544-10	3.791-01	1.077-01	2.874-03	5.120-06	1.122-05
-6.6	3.197-13	1.221-04	1.168-12	2.820-10	4.327-01	1.217-01	3.138-03	6.943-06	1.173-05
-6.4	2.028-13	1.251-04	9.191-13	2.253-10	4.932-01	1.348-01	3.377-03	9.265-06	1.222-05
-6.2	1.289-13	1.270-04	7.207-13	1.804-10	5.234-01	1.467-01	3.590-03	1.217-05	1.265-05
-6.0	8.184-14	1.278-04	5.635-13	1.446-10	5.208-01	1.572-01	3.774-03	1.575-05	1.305-05
-5.8	5.201-14	1.272-04	4.381-13	1.159-10	6.071-01	1.664-01	3.937-03	2.009-05	1.339-05
-5.6	3.303-14	1.253-04	3.381-13	9.278-11	6.384-01	1.743-01	4.073-03	2.526-05	1.369-05
-5.4	2.097-14	1.220-04	2.588-13	7.423-11	6.649-01	1.810-01	4.188-03	3.131-05	1.394-05
-5.2	1.330-14	1.174-04	1.961-13	5.933-11	6.871-01	1.866-01	4.283-03	3.825-05	1.415-05
-5.0	8.431-15	1.115-04	1.470-13	4.738-11	7.056-01	1.912-01	4.361-03	4.606-05	1.433-05
-4.8	5.340-15	1.045-04	1.088-13	3.781-11	7.207-01	1.950-01	4.426-03	5.465-05	1.447-05
-4.6	3.381-15	9.659-05	7.958-14	3.014-11	7.330-01	1.981-01	4.479-03	6.387-05	1.459-05
-4.4	2.140-15	8.800-05	5.741-14	2.402-11	7.430-01	2.006-01	4.522-03	7.351-05	1.469-05
-4.2	1.354-15	7.902-05	4.086-14	1.913-11	7.509-01	2.027-01	4.557-03	8.334-05	1.477-05
-4.0	8.561-16	6.996-05	2.868-14	1.523-11	7.571-01	2.044-01	4.586-03	9.309-05	1.483-05
-3.8	5.414-16	6.109-05	1.987-14	1.212-11	7.617-01	2.058-01	4.610-03	1.025-04	1.489-05
-3.6	3.424-16	5.265-05	1.359-14	9.644-12	7.650-01	2.070-01	4.632-03	1.114-04	1.494-05
-3.4	2.165-16	4.482-05	9.185-15	7.680-12	7.668-01	2.081-01	4.652-03	1.196-04	1.500-05
-3.2	1.370-16	3.773-05	6.139-15	6.115-12	7.671-01	2.091-01	4.673-03	1.269-04	1.505-05
-3.0	8.665-17	3.144-05	4.060-15	4.871-12	7.655-01	2.103-01	4.697-03	1.333-04	1.512-05
-2.8	5.484-17	2.594-05	2.658-15	3.883-12	7.613-01	2.116-01	4.727-03	1.388-04	1.521-05
-2.6	3.471-17	2.120-05	1.722-15	3.099-12	7.539-01	2.134-01	4.767-03	1.433-04	1.533-05
-2.4	2.195-17	1.715-05	1.102-15	2.477-12	7.420-01	2.158-01	4.822-03	1.467-04	1.551-05
-2.2	1.386-17	1.369-05	6.944-16	1.981-12	7.243-01	2.190-01	4.898-03	1.487-04	1.575-05
-2.0	8.705-18	1.075-05	4.279-16	1.585-12	6.996-01	2.233-01	5.000-03	1.489-04	1.607-05
-1.8	5.419-18	8.228-06	2.554-16	1.265-12	6.670-01	2.288-01	5.132-03	1.465-04	1.649-05
-1.6	3.326-18	6.082-06	1.458-16	1.005-12	6.264-01	2.355-01	5.295-03	1.406-04	1.701-05
-1.4	2.001-18	4.290-06	7.850-17	7.924-13	5.788-01	2.432-01	5.484-03	1.303-04	1.762-05
-1.2	1.177-18	2.858-06	3.943-17	6.181-13	5.259-01	2.515-01	5.695-03	1.156-04	1.830-05
-1.0	6.766-19	1.787-06	1.837-17	4.766-13	4.700-01	2.600-01	5.919-03	9.736-05	1.901-05
-.8	3.809-19	1.048-06	7.955-18	3.634-13	4.133-01	2.682-01	6.147-03	7.779-05	1.975-05
-.6	2.110-19	5.809-07	3.233-18	2.744-13	3.582-01	2.756-01	6.371-03	5.916-05	2.047-05
-.4	1.156-19	3.075-07	1.251-18	2.054-13	3.063-01	2.818-01	6.585-03	4.317-05	2.115-05
-.2	6.305-20	1.574-07	4.679-19	1.534-13	2.588-01	2.863-01	6.787-03	3.051-05	2.180-05
.0	3.442-20	7.888-08	1.718-19	1.141-13	2.165-01	2.890-01	6.973-03	2.109-05	2.240-05
.2	1.892-20	3.911-08	6.277-20	8.500-14	1.795-01	2.895-01	7.144-03	1.436-05	2.295-05
.4	1.053-20	1.937-08	2.310-20	6.352-14	1.477-01	2.876-01	7.302-03	9.705-06	2.345-05
.6	5.983-21	9.660-09	8.667-21	4.778-14	1.207-01	2.830-01	7.449-03	6.539-06	2.393-05
.8	3.495-21	4.890-09	3.352-21	3.631-14	9.821-02	2.756-01	7.590-03	4.412-06	2.438-05
1.0	2.118-21	2.531-09	1.352-21	2.797-14	7.951-02	2.652-01	7.726-03	2.989-06	2.482-05
1.2	1.346-21	1.349-09	5.753-22	2.191-14	6.409-02	2.517-01	7.861-03	2.038-06	2.525-05
1.4	9.065-22	7.451-10	2.614-22	1.751-14	5.143-02	2.353-01	7.998-03	1.399-06	2.569-05
1.6	6.557-22	4.292-10	1.283-22	1.431-14	4.105-02	2.160-01	8.137-03	9.669-07	2.614-05
1.8	5.180-22	2.594-10	6.899-23	1.198-14	3.252-02	1.943-01	8.280-03	6.705-07	2.659-05
2.0	4.587-22	1.658-10	4.148-23	1.028-14	2.549-02	1.707-01	8.424-03	4.640-07	2.706-05
2.2	4.790-22	1.138-10	2.904-23	9.080-15	1.965-02	1.457-01	8.572-03	3.176-07	2.753-05

T= 76CC

LOG D	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	2.902-01	2.80478+00	3.36718+01	3.84766+01	9.97913+01	-5.10743+00	2.80499+00
-6.8	2.552-01	2.67286+00	3.25993+01	3.52722+01	9.54582+01	-4.92836+00	2.67306+00
-6.6	2.212-01	2.55636+00	2.98853+01	3.24417+01	9.15408+01	-4.74771+00	2.55655+00
-6.4	1.893-01	2.45576+00	2.75415+01	2.99973+01	8.80435+01	-4.56515+00	2.45594+00
-6.2	1.601-01	2.37063+00	2.55531+01	2.79235+01	8.49445+01	-4.38051+00	2.37060+00
-6.0	1.341-01	2.29905+00	2.38896+01	2.61887+01	8.22063+01	-4.19378+00	2.29920+00
-5.8	1.112-01	2.23998+00	2.25130+01	2.47530+01	7.97850+01	-4.00509+00	2.24012+00
-5.6	9.159-02	2.19152+00	2.13835+01	2.35750+01	7.76354+01	-3.81459+00	2.19164+00
-5.4	7.492-02	2.15202+00	2.04629+01	2.26149+01	7.57151+01	-3.62249+00	2.15213+00
-5.2	6.096-02	2.11998+00	1.97164+01	2.18363+01	7.39851+01	-3.42900+00	2.12008+00
-5.0	4.938-02	2.09409+00	1.91133+01	2.12076+01	7.24120+01	-3.23434+00	2.09418+00
-4.8	3.985-02	2.07320+00	1.86273+01	2.07005+01	7.09666+01	-3.03869+00	2.07329+00
-4.6	3.207-02	2.05637+00	1.82361+01	2.02924+01	6.98247+01	-2.84223+00	2.05644+00
-4.4	2.574-02	2.04275+00	1.79208+01	1.99635+01	6.83656+01	-2.64512+00	2.04281+00
-4.2	2.063-02	2.03168+00	1.76656+01	1.96972+01	6.71724+01	-2.44748+00	2.03171+00
-4.0	1.651-02	2.02246+00	1.74569+01	1.94793+01	6.60302+01	-2.24945+00	2.02251+00
-3.8	1.319-02	2.01461+00	1.72826+01	1.92972+01	6.49264+01	-2.05114+00	2.01466+00
-3.6	1.054-02	2.00753+00	1.71314+01	1.91389+01	6.38491+01	-1.85267+00	2.00758+00
-3.4	8.420-03	2.00082+00	1.69919+01	1.89925+01	6.27867+01	-1.65417+00	2.00066+00
-3.2	6.729-03	1.99314+00	1.68512+01	1.88443+01	6.17263+01	-1.45579+00	1.99318+00
-3.0	5.383-03	1.98417+00	1.66939+01	1.86781+01	6.06532+01	-1.25775+00	1.98420+00
-2.8	4.315-03	1.97250+00	1.65010+01	1.84735+01	5.95491+01	-1.06032+00	1.97252+00
-2.6	3.471-03	1.95661+00	1.62486+01	1.82053+01	5.83919+01	-8.63830-01	1.95663+00
-2.4	2.807-03	1.93475+00	1.59098+01	1.78446+01	5.71569+01	-6.68710-01	1.93476+00
-2.2	2.287-03	1.90516+00	1.54579+01	1.73630+01	5.58204+01	-4.75400-01	1.90516+00
-2.0	1.883-03	1.86660+00	1.48737+01	1.67403+01	5.43675+01	-2.84280-01	1.86659+00
-1.8	1.571-03	1.81831+00	1.41550+01	1.59739+01	5.27999+01	-9.55200-02	1.81889+00
-1.6	1.330-03	1.76339+00	1.33211+01	1.50845+01	5.11409+01	9.10200-02	1.76334+00
-1.4	1.146-03	1.70260+00	1.24105+01	1.41131+01	4.94322+01	2.75780-01	1.70252+00
-1.2	1.003-03	1.63976+00	1.14717+01	1.31114+01	4.77238+01	4.59450-01	1.63962+00
-1.0	8.904-04	1.57796+00	1.05514+01	1.21294+01	4.60629+01	6.42760-01	1.57775+00
-.8	7.990-04	1.51946+00	9.68666+00	1.12063+01	4.44851+01	8.26410-01	1.51934+00
-.6	7.220-04	1.46641+00	8.90106+00	1.03675+01	4.30122+01	1.01092+00	1.46591+00
-.4	6.546-04	1.41834+00	8.20589+00	9.62483+00	4.16529+01	1.19663+00	1.41818+00
-.2	5.937-04	1.37734+00	7.60266+00	8.98000+00	4.04061+01	1.38371+00	1.37616+00
.0	5.374-04	1.34127+00	7.08627+00	8.42754+00	3.92640+01	1.57218+00	1.33946+00
.2	4.845-04	1.31016+00	6.64774+00	7.95791+00	3.82152+01	1.76199+00	1.30737+00
.4	4.345-04	1.28341+00	6.27628+00	7.55969+00	3.72467+01	1.95303+00	1.27909+00
.6	3.869-04	1.26046+00	5.96067+00	7.22113+00	3.63455+01	2.14520+00	1.25377+00
.8	3.416-04	1.24100+00	5.69022+00	6.93122+00	3.54993+01	2.33844+00	1.23060+00
1.0	2.986-04	1.22506+00	5.45535+00	6.68041+00	3.46967+01	2.53282+00	1.20998+00
1.2	2.582-04	1.21323+00	5.24798+00	6.46122+00	3.39281+01	2.72861+00	1.18807+00
1.4	2.209-04	1.20694+00	5.06178+00	6.26872+00	3.31849+01	2.92635+00	1.16777+00
1.6	1.873-04	1.20876+00	4.89231+00	6.10106+00	3.24596+01	3.12701+00	1.14778+00
1.8	1.582-04	1.22296+00	4.73690+00	5.95986+00	3.17449+01	3.33208+00	1.12908+00
2.0	1.343-04	1.25631+00	4.59446+00	5.85078+00	3.10325+01	3.54377+00	1.10868+00
2.2	1.167-04	1.31914+00	4.46517+00	5.78431+00	3.03115+01	3.76496+00	1.08964+00

T= 7700

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.454-07	1.566-11	1.541-09	1.697-12	8.562-23	5.740-21	4.849-20	4.068-08	1.706-10
-6.8	3.111-07	3.269-11	3.342-09	4.196-12	3.756-22	2.153-20	1.842-19	6.509-08	2.661-10
-6.6	6.334-07	6.500-11	6.722-09	9.970-12	1.548-21	7.509-20	6.500-19	1.001-07	3.999-10
-6.4	1.293-06	1.241-10	1.296-08	2.267-11	6.043-21	2.464-19	2.155-18	1.489-07	5.828-10
-6.2	2.314-06	2.299-10	2.411-08	5.088-11	2.254-20	7.690-19	6.781-18	2.149-07	8.273-10
-6.0	4.210-06	4.104-10	4.355-08	1.100-10	8.084-20	2.302-18	2.045-17	3.028-07	1.149-09
-5.8	7.463-06	7.189-10	7.674-08	2.325-10	2.803-19	6.662-18	5.952-17	4.139-07	1.567-09
-5.6	1.285-05	1.235-09	1.325-07	4.798-10	9.436-19	1.875-17	1.684-16	5.667-07	2.105-09
-5.4	2.208-05	2.090-09	2.259-07	9.709-10	3.094-18	5.161-17	4.652-16	7.578-07	2.782-09
-5.2	3.711-05	3.430-09	3.770-07	1.927-09	9.907-18	1.395-16	1.261-15	1.062-06	3.667-09
-5.0	6.166-05	5.759-09	6.248-07	3.755-09	3.103-17	3.715-16	3.368-15	1.511-06	4.775-09
-4.8	1.015-04	9.455-09	1.028-06	7.198-09	9.518-17	9.780-16	8.804-15	1.703-06	6.178-09
-4.6	1.657-04	1.540-08	1.673-06	1.352-08	2.883-16	2.550-15	2.320-14	2.198-06	7.950-09
-4.4	2.690-04	2.493-08	2.713-06	2.500-08	8.448-16	6.597-15	6.009-14	2.822-06	1.018-08
-4.2	4.343-04	4.020-08	4.376-06	4.545-08	2.448-15	1.696-14	1.546-13	3.608-06	1.300-08
-4.0	6.982-04	6.460-08	7.036-06	8.132-08	6.971-15	4.341-14	3.957-13	4.596-06	1.656-08
-3.8	1.118-03	1.035-07	1.127-05	1.432-07	1.953-14	1.106-13	1.008-12	5.835-06	2.103-08
-3.6	1.785-03	1.656-07	1.801-05	2.487-07	5.388-14	2.808-13	2.556-12	7.385-06	2.668-08
-3.4	2.838-03	2.645-07	2.871-05	4.260-07	1.466-13	7.108-13	6.496-12	9.316-06	3.360-08
-3.2	4.495-03	4.221-07	4.564-05	7.209-07	3.937-13	1.794-12	1.623-11	1.170-05	4.279-08
-3.0	7.092-03	6.734-07	7.235-05	1.207-06	1.046-12	4.512-12	4.058-11	1.463-05	5.415-08
-2.8	1.108-02	1.075-06	1.143-04	2.000-06	2.749-12	1.131-11	1.007-10	1.815-05	6.852-08
-2.6	1.717-02	1.717-06	1.799-04	3.285-06	7.159-12	2.822-11	2.475-10	2.229-05	8.673-08
-2.4	2.626-02	2.748-06	2.814-04	5.349-06	1.848-11	6.996-11	5.997-10	2.697-05	1.098-07
-2.2	3.942-02	4.411-06	4.369-04	8.631-06	4.726-11	1.721-10	1.426-09	3.196-05	1.392-07
-2.0	5.779-02	7.108-06	6.715-04	1.377-05	1.194-10	4.188-10	3.311-09	3.683-05	1.764-07
-1.8	8.226-02	1.150-05	1.019-03	2.165-05	2.969-10	1.006-09	7.459-09	4.098-05	2.231-07
-1.6	1.132-01	1.849-05	1.526-03	3.329-05	7.223-10	2.380-09	1.624-08	4.370-05	2.809-07
-1.4	1.502-01	3.046-05	2.241-03	4.969-05	1.702-09	5.531-09	3.405-08	4.445-05	3.509-07
-1.2	1.922-01	4.971-05	3.238-03	7.108-05	3.848-09	1.262-08	6.878-08	4.304-05	4.334-07
-1.0	2.374-01	8.105-05	4.595-03	9.684-05	8.268-09	2.825-08	1.340-07	3.973-05	5.281-07
-.8	2.838-01	1.318-04	6.407-03	1.250-04	1.681-08	6.203-08	2.522-07	3.510-05	6.344-07
-.6	3.296-01	2.131-04	8.782-03	1.530-04	3.233-08	1.337-07	4.605-07	2.985-05	7.514-07
-.4	3.733-01	3.424-04	1.184-02	1.785-04	5.918-08	2.830-07	8.177-07	2.461-05	8.787-07
-.2	4.135-01	5.453-04	1.573-02	2.003-04	1.039-07	5.835-07	1.417-06	1.979-05	1.016-06
.0	4.495-01	8.536-04	2.059-02	2.181-04	1.764-07	1.203-06	2.400-06	1.563-05	1.163-06
.2	4.811-01	1.339-03	2.659-02	2.324-04	2.916-07	2.415-06	3.984-06	1.219-05	1.321-06
.4	5.083-01	2.058-03	3.388-02	2.437-04	4.722-07	4.768-06	6.493-06	9.443-06	1.488-06
.6	5.313-01	3.114-03	4.260-02	2.527-04	7.513-07	9.246-06	1.040-05	7.307-06	1.667-06
.8	5.505-01	4.628-03	5.285-02	2.600-04	1.177-06	1.761-05	1.636-05	5.682-06	1.858-06
1.0	5.665-01	6.737-03	6.466-02	2.661-04	1.819-06	3.294-05	2.532-05	4.467-06	2.065-06
1.2	5.798-01	9.581-03	7.797-02	2.712-04	2.774-06	6.059-05	3.851-05	3.576-06	2.295-06
1.4	5.910-01	1.328-02	9.260-02	2.755-04	4.173-06	1.099-04	5.755-05	2.937-06	2.559-06
1.6	6.006-01	1.790-02	1.083-01	2.790-04	6.204-06	1.980-04	8.449-05	2.496-06	2.880-06
1.8	6.091-01	2.346-02	1.245-01	2.819-04	9.127-06	3.583-04	1.218-04	2.221-06	3.300-06
2.0	6.168-01	2.988-02	1.410-01	2.828-04	1.333-05	6.644-04	1.725-04	2.102-06	3.906-06
2.2	6.241-01	3.698-02	1.570-01	2.821-04	1.943-05	1.302-03	2.297-04	2.174-06	4.899-06

T= 7700

LOG D	C2+	NO+	CO+	e-	N+	N++	O+	O++	A+
-7.0	1.332-23	3.263-07	2.938-12	4.353-10	2.513-01	9.120-12	6.098-02	1.719-15	8.496-04
-6.8	3.722-23	5.153-07	5.428-12	6.856-10	2.237-01	8.066-12	5.360-02	1.128-15	7.148-04
-6.6	9.791-23	7.835-07	9.749-12	1.040-09	1.962-01	4.022-12	4.646-02	7.397-16	5.972-04
-6.4	2.448-22	1.153-06	1.707-11	1.528-09	1.696-01	2.655-12	3.978-02	4.835-16	4.957-04
-6.2	5.870-22	1.651-06	2.922-11	2.185-09	1.448-01	1.744-12	3.367-02	3.149-16	4.090-04
-6.0	1.359-21	2.310-06	4.896-11	3.052-09	1.222-01	1.140-12	2.821-02	2.044-16	3.357-04
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-5.6	6.727-21	4.276-06	1.299-10	5.641-09	8.451-02	4.802-13	1.930-02	8.514-17	2.229-04
-5.4	1.451-20	5.696-06	2.061-10	7.510-09	6.946-02	3.096-13	1.580-02	5.468-17	1.805-04
-5.2	3.083-20	7.504-06	3.217-10	9.890-09	5.673-02	1.989-13	1.286-02	3.501-17	1.457-04
-5.0	6.470-20	9.799-06	4.940-10	1.291-08	4.609-02	1.273-13	1.042-02	2.236-17	1.172-04
-4.8	1.344-19	1.270-05	7.464-10	1.674-08	3.728-02	8.133-14	8.413-03	1.425-17	9.412-05
-4.6	2.770-19	1.637-05	1.110-09	2.158-08	3.005-02	5.183-14	6.771-03	9.069-18	7.542-05
-4.4	5.673-19	2.099-05	1.623-09	2.769-08	2.415-02	3.296-14	5.435-03	5.762-18	6.033-05
-4.2	1.156-18	2.682-05	2.337-09	3.540-08	1.936-02	2.094-14	4.354-03	3.657-18	4.820-05
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-3.8	4.746-18	4.338-05	4.625-09	5.742-08	1.237-02	8.411-15	2.782-03	1.469-18	3.068-05
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-3.4	1.931-17	6.949-05	8.651-09	9.254-08	7.849-03	3.363-15	1.772-03	5.894-19	1.949-05
-3.2	3.887-17	8.763-05	1.161-08	1.174-07	6.236-03	2.121-15	1.413-03	3.732-19	1.553-05
-3.0	7.825-17	1.102-04	1.542-08	1.489-07	4.942-03	1.335-15	1.127-03	2.363-19	1.238-05
-2.8	1.577-16	1.381-04	2.026-08	1.892-07	3.904-03	8.372-16	8.988-04	1.497-19	9.875-06
-2.6	3.193-16	1.722-04	2.637-08	2.408-07	3.070-03	5.223-16	7.176-04	9.480-20	7.884-06
-2.4	6.448-16	2.131-04	3.398-08	3.078-07	2.398-03	3.232-16	5.734-04	6.003-20	6.302-06
-2.2	1.314-15	2.612-04	4.329-08	3.958-07	1.855-03	1.977-16	4.587-04	3.797-20	5.044-06
-2.0	2.697-15	3.156-04	5.431-08	5.132-07	1.415-03	1.189-16	3.670-04	2.393-20	4.040-06
-1.8	5.597-15	3.744-04	6.672-08	6.730-07	1.061-03	6.978-17	2.933-04	1.498-20	3.234-06
-1.6	1.177-14	4.338-04	7.951-08	8.945-07	7.772-04	3.972-17	2.335-04	9.265-21	2.580-06
-1.4	2.510-14	4.890-04	9.089-08	1.207-06	5.543-04	2.178-17	1.845-04	5.630-21	2.045-06
-1.2	5.433-14	5.348-04	9.849-08	1.655-06	3.839-04	1.146-17	1.444-04	3.346-21	1.606-06
-1.0	1.191-13	5.672-04	1.003-07	2.301-06	2.582-04	5.785-18	1.116-04	1.941-21	1.247-06
-.8	2.636-13	5.843-04	9.564-08	3.233-06	1.689-04	2.811-18	8.539-05	1.099-21	9.577-07
-.6	5.865-13	5.864-04	8.571-08	4.576-06	1.078-04	1.323-18	6.411-05	6.105-22	7.276-07
-.4	1.306-12	5.757-04	7.282-08	6.494-06	6.751-05	6.073-19	4.780-05	3.339-22	5.483-07
-.2	2.896-12	5.552-04	5.934-08	9.207-06	4.162-05	2.743-19	3.534-05	1.838-22	4.108-07
.0	6.374-12	5.278-04	4.694-08	1.300-05	2.539-05	1.228-19	2.596-05	9.746-23	3.070-07
.2	1.387-11	4.965-04	3.644-08	1.821-05	1.539-05	5.489-20	1.899-05	5.256-23	2.294-07
.4	2.972-11	4.637-04	2.802-08	2.527-05	9.316-06	2.469-20	1.387-05	2.851-23	1.721-07
.6	6.252-11	4.315-04	2.152-08	3.461-05	5.654-06	1.126-20	1.013-05	1.565-23	1.301-07
.8	1.286-10	4.013-04	1.662-08	4.669-05	3.459-06	5.252-21	7.421-06	8.738-24	9.949-08
1.0	2.578-10	3.747-04	1.300-08	6.190-05	2.144-06	2.529-21	5.473-06	5.002-24	7.731-08
1.2	5.029-10	3.527-04	1.036-08	8.051-05	1.354-06	1.270-21	4.077-06	2.959-24	6.144-08
1.4	9.548-10	3.365-04	8.505-09	1.026-04	8.774-07	6.721-22	3.082-06	1.825-24	5.024-08
1.6	1.774-09	3.277-04	7.221-09	1.292-04	5.876-07	3.794-22	2.378-06	1.186-24	4.259-08
1.8	3.262-09	3.288-04	6.416-09	1.613-04	4.099-07	2.319-22	1.887-06	8.220-25	3.777-08
2.0	6.072-09	3.447-04	6.056-09	2.032-04	3.022-07	1.569-22	1.560-06	6.219-25	3.556-08
2.2	1.189-08	3.873-04	6.229-09	2.656-04	2.406-07	1.228-22	1.371-06	5.362-25	3.641-08

T= 7700

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.457-12	1.107-04	2.736-12	6.087-10	2.874-01	6.374-02	2.372-03	3.161-06	1.035-05
-6.8	9.156-13	1.152-04	2.128-12	4.779-10	3.425-01	9.853-02	2.672-03	4.407-06	1.088-05
-6.6	5.783-13	1.194-04	1.667-12	3.787-10	3.973-01	1.130-01	2.952-03	6.033-06	1.140-05
-6.4	3.666-13	1.228-04	1.309-12	3.018-10	4.500-01	1.267-01	3.210-03	8.137-06	1.190-05
-6.2	2.328-13	1.253-04	1.028-12	2.414-10	4.992-01	1.394-01	3.442-03	1.079-05	1.237-05
-6.0	1.480-13	1.267-04	8.051-13	1.934-10	5.439-01	1.507-01	3.648-03	1.408-05	1.279-05
-5.8	9.411-14	1.268-04	6.275-13	1.550-10	5.836-01	1.608-01	3.827-03	1.811-05	1.317-05
-5.6	5.982-14	1.256-04	4.859-13	1.242-10	6.181-01	1.695-01	3.980-03	2.294-05	1.350-05
-5.4	3.801-14	1.229-04	3.732-13	9.939-11	6.478-01	1.769-01	4.109-03	2.864-05	1.378-05
-5.2	2.413-14	1.189-04	2.840-12	7.950-11	6.728-01	1.832-01	4.218-03	3.524-05	1.402-05
-5.0	1.530-14	1.136-04	2.139-13	6.353-11	6.937-01	1.884-01	4.308-03	4.272-05	1.421-05
-4.8	9.701-15	1.071-04	1.592-13	5.072-11	7.110-01	1.927-01	4.382-03	5.103-05	1.438-05
-4.6	6.145-15	9.953-05	1.170-13	4.046-11	7.251-01	1.962-01	4.443-03	6.004-05	1.451-05
-4.4	3.891-15	9.129-05	8.488-14	3.225-11	7.366-01	1.991-01	4.493-03	6.956-05	1.462-05
-4.2	2.463-15	8.246-05	6.074-14	2.570-11	7.458-01	2.014-01	4.533-03	7.935-05	1.472-05
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-3.6	6.235-16	5.588-05	2.053-14	1.297-11	7.627-01	2.063-01	4.618-03	1.079-04	1.491-05
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-3.0	1.580-16	3.381-05	6.221-15	6.548-12	7.659-01	2.096-01	4.684-03	1.309-04	1.508-05
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-2.6	6.336-17	2.300-05	2.665-15	4.165-12	7.572-01	2.125-01	4.747-03	1.417-04	1.527-05
-2.4	4.014-17	1.870-05	1.717-15	3.329-12	7.474-01	2.146-01	4.795-03	1.456-04	1.542-05
-2.2	2.540-17	1.503-05	1.091-15	2.663-12	7.324-01	2.175-01	4.862-03	1.493-04	1.563-05
-2.0	1.603-17	1.191-05	6.813-16	2.133-12	7.108-01	2.213-01	4.953-03	1.494-04	1.592-05
-1.8	1.005-17	9.245-06	4.142-16	1.707-12	6.816-01	2.263-01	5.072-03	1.484-04	1.630-05
-1.6	6.224-18	6.956-06	2.425-16	1.361-12	6.446-01	2.325-01	5.222-03	1.443-04	1.678-05
-1.4	3.796-18	5.038-06	1.348-16	1.079-12	5.996-01	2.391-01	5.401-03	1.361-04	1.736-05
-1.2	2.265-18	3.457-06	7.029-17	8.474-13	5.487-01	2.477-01	5.604-03	1.234-04	1.801-05
-1.0	1.320-18	2.232-06	3.406-17	6.580-13	4.938-01	2.562-01	5.824-03	1.066-04	1.871-05
-.8	7.536-19	1.352-06	1.532-17	5.050-13	4.372-01	2.644-01	6.052-03	8.740-05	1.944-05
-.6	4.217-19	7.705-07	6.437-18	3.936-13	3.812-01	2.721-01	6.279-03	6.803-05	2.017-05
-.4	2.331-19	4.173-07	2.558-18	2.889-13	3.277-01	2.786-01	6.495-03	5.061-05	2.088-05
-.2	1.280-19	2.174-07	9.761-19	2.163-13	2.783-01	2.837-01	6.707-03	3.631-05	2.155-05
.0	7.019-20	1.103-07	3.635-19	1.615-13	2.337-01	2.869-01	6.901-03	2.537-05	2.217-05
.2	3.870-20	5.514-08	1.341-19	1.205-13	1.944-01	2.880-01	7.080-03	1.741-05	2.274-05
.4	2.159-20	2.745-08	4.963-20	9.014-14	1.605-01	2.867-01	7.246-03	1.182-05	2.327-05
.6	1.228-20	1.373-08	1.867-20	6.789-14	1.315-01	2.828-01	7.399-03	7.989-06	2.377-05
.8	7.172-21	6.954-09	7.226-21	5.159-14	1.072-01	2.761-01	7.545-03	5.398-06	2.424-05
1.0	4.344-21	3.597-09	2.912-21	3.973-14	8.693-02	2.663-01	7.686-03	3.458-06	2.469-05
1.2	2.758-21	1.913-09	1.237-21	3.119-14	7.017-02	2.535-01	7.825-03	2.491-06	2.513-05
1.4	1.856-21	1.054-09	5.607-22	2.484-14	5.636-02	2.376-01	7.964-03	1.710-06	2.558-05
1.6	1.343-21	6.058-10	2.748-22	2.029-14	4.502-02	2.188-01	8.105-03	1.180-06	2.603-05
1.8	1.063-21	3.654-10	1.478-22	1.698-14	3.569-02	1.975-01	8.250-03	8.165-07	2.650-05
2.0	9.467-22	2.333-10	8.914-23	1.459-14	2.799-02	1.741-01	8.397-03	5.641-07	2.697-05
2.2	9.497-22	1.602-10	6.303-23	1.292-14	2.159-02	1.491-01	8.546-03	3.856-07	2.745-05

T= 7700

LOG C	E+	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	3.132-01	2.89883+00	3.74436+01	4.03642+01	1.02041+02	-5.08743+00	2.89907+00
-6.8	2.781-01	2.75787+00	3.42015+01	3.69594+01	9.74968+01	-4.90968+00	2.75811+00
-6.6	2.436-01	2.63111+00	3.12854+01	3.39165+01	9.33404+01	-4.72952+00	2.63134+00
-6.4	2.100-01	2.52009+00	2.87308+01	3.12509+01	8.96004+01	-4.54824+00	2.52030+00
-6.2	1.790-01	2.42485+00	2.65391+01	2.89646+01	8.62708+01	-4.36497+00	2.42505+00
-6.0	1.509-01	2.34447+00	2.46893+01	2.70338+01	8.33233+01	-4.17961+00	2.34466+00
-5.8	1.259-01	2.27751+00	2.31479+01	2.54254+01	8.07181+01	-3.99220+00	2.27768+00
-5.6	1.042-01	2.22227+00	2.18762+01	2.40985+01	7.84109+01	-3.80286+00	2.22242+00
-5.4	8.557-02	2.17705+00	2.08354+01	2.30125+01	7.63574+01	-3.61179+00	2.17719+00
-5.2	6.995-02	2.14026+00	1.99887+01	2.21289+01	7.45169+01	-3.41919+00	2.14039+00
-5.0	5.675-02	2.11047+00	1.93030+01	2.14174+01	7.28527+01	-3.22528+00	2.11058+00
-4.8	4.591-02	2.08640+00	1.87495+01	2.08359+01	7.13330+01	-3.03026+00	2.08650+00
-4.6	3.701-02	2.06699+00	1.83036+01	2.03706+01	6.99309+01	-2.83432+00	2.06708+00
-4.4	2.976-02	2.05131+00	1.79444+01	1.99958+01	6.86237+01	-2.63762+00	2.05140+00
-4.2	2.383-02	2.03960+00	1.76545+01	1.96930+01	6.73920+01	-2.44031+00	2.03867+00
-4.0	1.912-02	2.02817+00	1.74187+01	1.94466+01	6.62200+01	-2.24255+00	2.02823+00
-3.8	1.529-02	2.01941+00	1.72241+01	1.92435+01	6.50934+01	-2.04443+00	2.01947+00
-3.6	1.222-02	2.01175+00	1.70590+01	1.90707+01	6.40001+01	-1.84608+00	2.01180+00
-3.4	9.767-03	2.00459+00	1.69117+01	1.89163+01	6.29281+01	-1.64763+00	2.00463+00
-3.2	7.804-03	1.99724+00	1.67700+01	1.87673+01	6.18649+01	-1.44923+00	1.99728+00
-3.0	6.240-03	1.98885+00	1.66198+01	1.86087+01	6.07968+01	-1.25105+00	1.98889+00
-2.8	4.997-03	1.97835+00	1.64436+01	1.84219+01	5.97070+01	-1.05335+00	1.97838+00
-2.6	4.013-03	1.96434+00	1.62197+01	1.81846+01	5.85751+01	-8.56440-01	1.96436+00
-2.4	3.236-03	1.94513+00	1.59224+01	1.78676+01	5.73775+01	-6.60710-01	1.94515+00
-2.2	2.626-03	1.91892+00	1.55244+01	1.74433+01	5.60894+01	-4.66600-01	1.91892+00
-2.0	2.151-03	1.88417+00	1.50024+01	1.68866+01	5.46914+01	-2.74540-01	1.88416+00
-1.8	1.782-03	1.84019+00	1.43463+01	1.61865+01	5.31774+01	-8.47900-02	1.84017+00
-1.6	1.497-03	1.78766+00	1.35657+01	1.53533+01	5.15611+01	1.02630-01	1.78761+00
-1.4	1.279-03	1.72865+00	1.26915+01	1.44201+01	4.98771+01	2.88050-01	1.72857+00
-1.2	1.110-03	1.66620+00	1.17689+01	1.34351+01	4.81728+01	4.72070-01	1.66606+00
-1.0	9.785-04	1.60354+00	1.08460+01	1.24496+01	4.64971+01	6.55620-01	1.60333+00
-.8	8.732-04	1.54343+00	9.96408+00	1.15075+01	4.48907+01	8.38830-01	1.54310+00
-.6	7.860-04	1.48782+00	9.15204+00	1.06355+01	4.33810+01	1.02289+00	1.48731+00
-.4	7.111-04	1.43776+00	8.42594+00	9.86370+00	4.19815+01	1.20803+00	1.43699+00
-.2	6.444-04	1.39359+00	7.79093+00	9.18452+00	4.06948+01	1.39448+00	1.39241+00
.0	5.834-04	1.35514+00	7.24431+00	8.59945+00	3.95155+01	1.58233+00	1.35332+00
.2	5.265-04	1.32194+00	6.77852+00	8.10045+00	3.84335+01	1.77155+00	1.31913+00
.4	4.728-04	1.29339+00	6.38341+00	7.67680+00	3.74363+01	1.96207+00	1.28904+00
.6	4.218-04	1.26897+00	6.04793+00	7.31690+00	3.65110+01	2.15379+00	1.26223+00
.8	3.732-04	1.24832+00	5.76126+00	7.00958+00	3.56449+01	2.34667+00	1.23787+00
1.0	3.270-04	1.23145+00	5.51346+00	6.74492+00	3.48262+01	2.54076+00	1.21521+00
1.2	2.836-04	1.21891+00	5.29602+00	6.51493+00	3.40448+01	2.73632+00	1.19367+00
1.4	2.433-04	1.21226+00	5.10208+00	6.31414+00	3.32913+01	2.93387+00	1.17279+00
1.6	2.069-04	1.21343+00	4.92667+00	6.14C1C+00	3.25578+01	3.13436+00	1.15232+00
1.8	1.756-04	1.22125+00	4.76662+00	5.99387+00	3.18364+01	3.33928+00	1.13219+00
2.0	1.494-04	1.26023+00	4.62040+00	5.88063+00	3.11183+01	3.55079+00	1.11236+00
2.2	1.304-04	1.32267+00	4.48787+00	5.81C54+00	3.03924+01	3.77180+00	1.09288+00

T= 7800

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.592-08	1.179-11	1.132-09	1.014-12	4.571-23	3.597-21	2.869-20	3.964-08	1.495-10
-6.8	2.130-07	2.545-11	2.478-09	2.729-12	2.694-22	1.420-20	1.150-19	5.537-08	2.389-10
-6.6	4.476-07	5.206-11	5.139-09	6.639-12	8.950-22	5.176-20	4.247-19	8.733-08	3.668-10
-6.4	8.962-07	1.018-10	1.017-08	1.556-11	3.605-21	1.762-19	1.463-18	1.327-07	5.441-10
-6.2	1.721-06	1.915-10	1.933-08	3.519-11	1.381-20	5.665-19	4.753-18	1.951-07	7.841-10
-6.0	3.193-06	3.492-10	3.555-08	7.733-11	5.063-20	1.738-18	1.471-17	2.792-07	1.103-09
-5.8	5.753-06	6.200-10	6.358-08	1.655-10	1.789-19	5.133-18	4.376-17	3.904-07	1.519-09
-5.6	1.012-05	1.077-09	1.111-07	3.459-10	6.121-19	1.469-17	1.260-16	5.353-07	2.059-09
-5.4	1.744-05	1.839-09	1.907-07	7.075-10	2.035-18	4.097-17	3.531-16	7.223-07	2.751-09
-5.2	2.958-05	3.096-09	3.221-07	1.418-09	6.578-18	1.119-16	9.686-16	9.616-07	3.633-09
-5.0	4.950-05	5.149-09	5.372-07	2.738-09	2.089-17	3.007-16	2.611-15	1.265-06	4.756-09
-4.8	8.195-05	8.474-09	8.872-07	5.382-09	6.474-17	7.972-16	6.937-15	1.653-06	6.175-09
-4.6	1.345-04	1.385-08	1.453-06	1.020-08	1.965-16	2.090-15	1.823-14	2.142-06	7.970-09
-4.4	2.191-04	2.250-08	2.364-06	1.901-08	5.849-16	5.433-15	4.744-14	2.760-06	1.024-08
-4.2	3.549-04	3.637-08	3.825-06	3.482-08	1.700-15	1.402-14	1.226-13	3.538-06	1.310-08
-4.0	5.721-04	5.857-08	6.162-06	6.271-08	4.901-15	3.598-14	3.147-13	4.517-06	1.670-08
-3.8	9.183-04	9.401-08	9.892-06	1.112-07	1.382-14	9.190-14	8.038-13	5.746-06	2.125-08
-3.6	1.469-03	1.506-07	1.583-05	1.941-07	3.838-14	2.338-13	2.044-12	7.286-06	2.698-08
-3.4	2.340-03	2.407-07	2.526-05	3.343-07	1.050-13	5.928-13	5.173-12	9.208-06	3.420-08
-3.2	3.714-03	3.843-07	4.022-05	5.684-07	2.835-13	1.499-12	1.304-11	1.159-05	4.332-08
-3.0	5.867-03	6.132-07	6.386-05	9.554-07	7.543-13	3.776-12	3.269-11	1.453-05	5.484-08
-2.8	9.212-03	9.784-07	1.011-04	1.590-06	1.996-12	9.481-12	8.141-11	1.810-05	6.962-08
-2.6	1.434-02	1.562-06	1.594-04	2.620-06	5.218-12	2.371-11	2.010-10	2.234-05	8.788-08
-2.4	2.207-02	2.499-06	2.500-04	4.282-06	1.352-11	5.895-11	4.902-10	2.722-05	1.113-07
-2.2	3.340-02	4.006-06	3.894-04	6.939-06	3.471-11	1.455-10	1.176-09	3.258-05	1.411-07
-2.0	4.949-02	6.444-06	6.012-04	1.112-05	8.820-11	3.558-10	2.759-09	3.805-05	1.790-07
-1.8	7.135-02	1.041-05	9.175-04	1.763-05	2.211-10	8.596-10	6.297-09	4.304-05	2.268-07
-1.6	9.961-02	1.688-05	1.381-03	2.741-05	5.438-10	2.046-09	1.391-08	4.680-05	2.885-07
-1.4	1.342-01	2.748-05	2.044-03	4.151-05	1.302-09	4.790-09	2.962-08	4.864-05	3.596-07
-1.2	1.743-01	4.481-05	2.975-03	6.063-05	3.003-09	1.101-08	6.079-08	4.816-05	4.471-07
-1.0	2.184-01	7.306-05	4.252-03	8.440-05	6.609-09	2.483-08	1.200-07	4.541-05	5.487-07
-.8	2.645-01	1.139-04	5.970-03	1.120-04	1.378-08	5.491-08	2.290-07	4.091-05	6.639-07
-.6	3.108-01	1.926-04	8.236-03	1.404-04	2.716-08	1.192-07	4.231-07	3.539-05	7.918-07
-.4	3.555-01	3.099-04	1.117-02	1.673-04	5.080-08	2.538-07	7.592-07	2.959-05	9.315-07
-.2	3.972-01	4.947-04	1.492-02	1.910-04	9.074-08	5.309-07	1.327-06	2.407-05	1.083-06
.0	4.350-01	7.819-04	1.963-02	2.107-04	1.561-07	1.091-06	2.266-06	1.918-05	1.245-06
.2	4.686-01	1.222-03	2.546-02	2.265-04	2.608-07	2.203-06	3.788-06	1.507-05	1.419-06
.4	4.974-01	1.853-03	3.257-02	2.392-04	4.256-07	4.369-06	6.210-06	1.174-05	1.605-06
.6	5.220-01	2.859-03	4.111-02	2.492-04	6.812-07	8.515-06	9.996-06	9.119-06	1.803-06
.8	5.427-01	4.265-03	5.119-02	2.573-04	1.073-06	1.630-05	1.581-05	7.111-06	2.016-06
1.0	5.600-01	6.234-03	6.284-02	2.660-04	1.664-06	3.065-05	2.457-05	5.601-06	2.249-06
1.2	5.744-01	8.907-03	7.604-02	2.695-04	2.547-06	5.668-05	3.752-05	4.488-06	2.508-06
1.4	5.865-01	1.241-02	9.061-02	2.742-04	3.848-06	1.034-04	5.631-05	3.688-06	2.808-06
1.6	5.960-01	1.683-02	1.063-01	2.781-04	5.742-06	1.875-04	8.299-05	3.132-06	3.175-06
1.8	6.038-01	2.218-02	1.227-01	2.809-04	8.482-06	3.416-04	1.201-04	2.792-06	3.658-06
2.0	6.103-01	2.842-02	1.394-01	2.825-04	1.244-05	6.370-04	1.707-04	2.646-06	4.360-06
2.2	6.215-01	3.540-02	1.558-01	2.824-04	1.821-05	1.258-03	2.380-04	2.744-06	5.515-06

T= 7800

LOG D	O2-	NO+	O+	O-	N+	N2+	O+	O2+	A+
-7.0	1.202-23	2.572-07	2.248-12	4.123-10	2.689-01	1.592-11	6.530-02	3.347-15	9.650-04
-6.8	3.504-23	4.172-07	4.229-12	6.664-10	2.419-01	1.061-11	5.787-02	2.196-15	8.173-04
-6.6	9.556-23	6.491-07	7.720-12	1.034-09	2.142-01	7.048-12	5.056-02	1.440-15	6.868-04
-6.4	2.662-22	9.745-07	1.372-11	1.549-09	1.869-01	4.668-12	4.360-02	9.424-16	5.731-04
-6.2	6.052-22	1.419-06	2.378-11	2.251-09	1.609-01	3.077-12	3.714-02	6.149-16	4.752-04
-6.0	1.430-21	2.013-06	4.031-11	3.189-09	1.367-01	2.018-12	3.130-02	3.998-16	3.916-04
-5.8	3.274-21	2.793-06	6.695-11	4.421-09	1.150-01	1.317-12	2.612-02	2.590-16	3.210-04
-5.6	7.296-21	3.807-06	1.091-10	6.019-09	9.572-02	8.552-13	2.162-02	1.672-16	2.618-04
-5.4	1.592-20	5.112-06	1.746-10	8.076-09	7.904-02	5.529-13	1.777-02	1.076-16	2.126-04
-5.2	3.413-20	6.779-06	2.748-10	1.071-08	6.481-02	3.560-13	1.451-02	6.899-17	1.720-04
-5.0	7.214-20	8.900-06	4.252-10	1.405-08	5.283-02	2.285-13	1.179-02	4.413-17	1.387-04
-4.8	1.508-19	1.159-05	6.472-10	1.829-08	4.285-02	1.462-13	9.539-03	2.816-17	1.116-04
-4.6	3.122-19	1.499-05	9.690-10	2.366-08	3.467-02	9.328-14	7.691-03	1.794-17	8.957-05
-4.4	6.417-19	1.928-05	1.427-09	3.044-08	2.787-02	5.941-14	6.183-03	1.141-17	7.170-05
-4.2	1.311-18	2.469-05	2.069-09	3.901-08	2.238-02	3.777-14	4.960-03	7.245-18	5.734-05
-4.0	2.668-18	3.150-05	2.951-09	4.982-08	1.793-02	2.398-14	3.971-03	4.597-18	4.580-05
-3.8	5.407-18	4.007-05	4.146-09	6.346-08	1.433-02	1.520-14	3.175-03	2.915-18	3.655-05
-3.6	1.093-17	5.085-05	5.740-09	8.064-08	1.144-02	9.629-15	2.535-03	1.847-18	2.914-05
-3.4	2.205-17	6.436-05	7.840-09	1.024-07	9.115-03	6.090-15	2.023-03	1.170-18	2.323-05
-3.2	4.442-17	8.128-05	1.057-08	1.300-07	7.249-03	3.846-15	1.614-03	7.412-19	1.852-05
-3.0	8.944-17	1.024-04	1.410-08	1.649-07	5.753-03	2.424-15	1.288-03	4.695-19	1.476-05
-2.8	1.801-16	1.285-04	1.861-08	2.093-07	4.553-03	1.524-15	1.027-03	2.975-19	1.178-05
-2.6	3.633-16	1.607-04	2.432-08	2.662-07	3.589-03	9.536-16	8.201-04	1.886-19	9.400-06
-2.4	7.346-16	1.996-04	3.149-08	3.396-07	2.813-03	5.929-16	6.553-04	1.195-19	7.513-06
-2.2	1.492-15	2.459-04	4.034-08	4.354-07	2.167-03	3.651-16	5.243-04	7.575-20	6.014-06
-2.0	3.051-15	2.993-04	5.102-08	5.621-07	1.680-03	2.216-16	4.198-04	4.791-20	4.820-06
-1.8	6.297-15	3.583-04	6.339-08	7.328-07	1.271-03	1.318-16	3.360-04	3.015-20	3.864-06
-1.6	1.315-14	4.200-04	7.677-08	9.672-07	9.417-04	7.625-17	2.684-04	1.881-20	3.092-06
-1.4	2.783-14	4.797-04	8.967-08	1.295-06	6.805-04	4.263-17	2.131-04	1.156-20	2.463-06
-1.2	5.978-14	5.321-04	9.965-08	1.762-06	4.740-04	2.291-17	1.678-04	6.960-21	1.940-06
-1.0	1.301-13	5.725-04	1.049-07	2.431-06	3.250-04	1.182-17	1.305-04	4.095-21	1.521-06
-.8	2.864-13	5.977-04	1.032-07	3.397-06	2.161-04	5.855-18	1.003-04	2.351-21	1.176-06
-.6	6.348-13	6.070-04	9.527-08	4.787-06	1.396-04	2.802-18	7.605-05	1.321-21	8.991-07
-.4	1.410-12	6.020-04	8.300-08	6.718-06	8.822-05	1.305-18	5.703-05	7.259-22	6.811-07
-.2	3.127-12	5.853-04	6.899-08	9.601-06	5.442-05	5.958-19	4.236-05	3.984-22	5.125-07
.0	6.888-12	5.603-04	5.539-08	1.356-05	3.365-05	2.690-19	3.124-05	2.160-22	3.842-07
.2	1.502-11	5.300-04	4.345-08	1.902-05	2.050-05	1.210-19	2.292-05	1.170-22	2.879-07
.4	3.228-11	4.972-04	3.366-08	2.645-05	1.245-05	5.466-20	1.678-05	6.370-23	2.163-07
.6	6.816-11	4.643-04	2.597-08	3.633-05	7.575-06	2.500-20	1.228-05	3.504-23	1.636-07
.8	1.409-10	4.332-04	2.012-08	4.919-05	4.641-06	1.168-20	9.019-06	1.961-23	1.252-07
1.0	2.842-10	4.054-04	1.576-08	6.547-05	2.878-06	5.629-21	6.658-06	1.126-23	9.727-08
1.2	5.581-10	3.825-04	1.259-08	8.556-05	1.818-06	2.827-21	4.967-06	6.661-24	7.727-08
1.4	1.068-09	3.657-04	1.032-08	1.098-04	1.178-06	1.496-21	3.760-06	4.116-24	6.314-08
1.6	2.000-09	3.569-04	8.767-09	1.388-04	7.861-07	8.456-22	2.906-06	2.681-24	5.368-08
1.8	3.711-09	3.590-04	7.796-09	1.744-04	5.496-07	5.140-22	2.311-06	1.859-24	4.743-08
2.0	6.975-09	3.776-04	7.373-09	2.211-04	4.053-07	3.524-22	1.916-06	1.425-24	4.469-08
2.2	1.379-08	4.262-04	7.613-09	2.911-04	3.231-07	2.792-22	1.692-06	1.247-24	4.587-08

T= 7800

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.606-12	1.075-04	3.923-12	8.243-10	2.524-01	7.478-02	2.153-03	2.695-06	1.001-05
-6.8	1.634-12	1.121-04	3.031-12	6.421-10	3.067-01	8.950-02	2.463-03	3.783-06	1.054-05
-6.6	1.031-12	1.165-04	2.363-12	5.081-10	3.619-01	1.042-01	2.759-03	5.237-06	1.107-05
-6.4	6.527-13	1.203-04	1.952-12	4.020-10	4.162-01	1.184-01	3.034-03	7.129-06	1.158-05
-6.2	4.144-13	1.233-04	1.654-12	3.209-10	4.677-01	1.317-01	3.284-03	9.539-06	1.208-05
-6.0	2.636-13	1.253-04	1.439-12	2.568-10	5.154-01	1.439-01	3.509-03	1.256-05	1.253-05
-5.8	1.677-13	1.260-04	8.898-13	2.059-10	5.584-01	1.549-01	3.706-03	1.629-05	1.294-05
-5.6	1.067-13	1.254-04	6.909-13	1.649-10	5.963-01	1.643-01	3.877-03	2.079-05	1.329-05
-5.4	6.782-14	1.235-04	5.325-13	1.321-10	6.291-01	1.725-01	4.023-03	2.615-05	1.360-05
-5.2	4.309-14	1.201-04	4.068-13	1.057-10	6.571-01	1.795-01	4.146-03	3.241-05	1.387-05
-5.0	2.736-14	1.154-04	3.077-13	8.452-11	6.806-01	1.853-01	4.248-03	3.957-05	1.407-05
-4.8	1.735-14	1.095-04	2.301-13	6.752-11	7.002-01	1.901-01	4.333-03	4.759-05	1.428-05
-4.6	1.100-14	1.024-04	1.700-13	5.389-11	7.162-01	1.941-01	4.403-03	5.635-05	1.443-05
-4.4	6.959-15	9.438-05	1.240-13	4.298-11	7.294-01	1.974-01	4.460-03	6.571-05	1.456-05
-4.2	4.413-15	8.576-05	8.921-14	3.426-11	7.400-01	2.000-01	4.507-03	7.545-05	1.466-05
-4.0	2.793-15	7.681-05	6.333-14	2.729-11	7.484-01	2.022-01	4.545-03	8.532-05	1.474-05
-3.8	1.768-15	6.782-05	4.436-14	2.173-11	7.551-01	2.040-01	4.576-03	9.505-05	1.482-05
-3.6	1.119-15	5.906-05	3.066-14	1.730-11	7.601-01	2.055-01	4.603-03	1.044-04	1.488-05
-3.4	7.079-16	5.077-05	2.091-14	1.378-11	7.635-01	2.068-01	4.626-03	1.132-04	1.493-05
-3.2	4.480-16	4.313-05	1.411-14	1.097-11	7.655-01	2.079-01	4.648-03	1.212-04	1.497-05
-3.0	2.837-16	3.624-05	9.413-15	8.737-12	7.658-01	2.090-01	4.671-03	1.283-04	1.505-05
-2.8	1.797-16	3.015-05	6.219-15	6.964-12	7.640-01	2.103-01	4.697-03	1.346-04	1.512-05
-2.6	1.139-16	2.485-05	4.089-15	5.556-12	7.596-01	2.117-01	4.729-03	1.399-04	1.522-05
-2.4	7.221-17	2.029-05	2.636-15	4.439-12	7.517-01	2.136-01	4.772-03	1.443-04	1.535-05
-2.2	4.578-17	1.641-05	1.688-15	3.552-12	7.391-01	2.161-01	4.831-03	1.475-04	1.554-05
-2.0	2.898-17	1.310-05	1.065-15	2.846-12	7.204- 1	2.195-01	4.912-03	1.494-04	1.579-05
-1.8	1.827-17	1.028-05	6.571-16	2.281-12	6.945-01	2.240-01	5.019-03	1.495-04	1.613-05
-1.6	1.142-17	7.872-06	3.929-16	1.825-12	6.606-01	2.298-01	5.156-03	1.459-04	1.657-05
-1.4	7.036-18	5.817-06	2.247-16	1.453-12	6.189-01	2.384-01	5.324-03	1.408-04	1.711-05
-1.2	4.253-18	4.102-06	1.212-16	1.148-12	5.701-01	2.442-01	5.518-03	1.302-04	1.773-05
-1.0	2.515-18	2.730-06	6.100-17	8.975-13	5.168-01	2.524-01	5.733-03	1.152-04	1.842-05
-.8	1.453-18	1.706-06	2.850-17	6.936-13	4.606-01	2.607-01	5.959-03	9.677-05	1.914-05
-.6	8.234-19	1.001-06	1.240-17	5.301-13	4.041-01	2.686-01	6.188-03	7.715-05	1.988-05
-.4	4.595-19	5.560-07	5.071-18	4.014-13	3.494-01	2.755-01	6.412-03	5.859-05	2.060-05
-.2	2.541-19	2.953-07	1.979-18	3.018-13	2.981-01	2.810-01	6.627-03	4.274-05	2.129-05
.0	1.401-19	1.520-07	7.692-19	2.220-13	2.515-01	2.847-01	6.828-03	3.023-05	2.193-05
.2	7.757-20	7.672-08	2.794-19	1.691-13	2.100-01	2.866-01	7.015-03	2.093-05	2.253-05
.4	4.339-20	3.843-08	1.042-19	1.267-13	1.739-01	2.867-01	7.187-03	1.429-05	2.309-05
.6	2.470-20	1.929-08	3.935-20	9.551-14	1.429-01	2.855-01	7.348-03	9.694-06	2.360-05
.8	1.444-20	9.786-09	1.525-20	7.261-14	1.167-01	2.764-01	7.499-03	6.563-06	2.409-05
1.0	8.744-21	5.061-09	6.145-21	5.590-14	9.480-02	2.673-01	7.644-03	4.451-06	2.455-05
1.2	5.547-21	2.689-09	2.607-21	4.274-14	7.462-02	2.551-01	7.787-03	3.033-06	2.501-05
1.4	3.732-21	1.479-09	1.179-21	3.491-14	6.161-02	2.397-01	7.929-03	2.078-06	2.547-05
1.6	2.701-21	8.476-10	5.772-22	2.850-14	4.925-02	2.215-01	8.073-03	1.432-06	2.593-05
1.8	2.163-21	5.102-10	3.105-22	2.384-14	3.907-02	2.005-01	8.219-03	9.896-07	2.640-05
2.0	1.918-21	3.255-10	1.880-22	2.050-14	3.066-02	1.773-01	8.369-03	6.826-07	2.688-05
2.2	2.049-21	2.237-10	1.342-22	1.821-14	2.366-02	1.524-01	8.521-03	4.660-07	2.737-05

T= 7800

LOG D	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	3.353-01	2.99503+00	3.92211+01	4.22161+01	1.04313+02	-5.06765+00	2.99531+00
-6.8	3.007-01	2.84671+00	3.58519+01	3.88986+01	9.95991+01	-4.89971+00	2.84598+00
-6.6	2.656-01	2.71058+00	3.27589+01	3.54695+01	9.52271+01	-4.71099+00	2.71084+00
-6.4	2.312-01	2.58946+00	3.00050+01	3.25944+01	9.12534+01	-4.53085+00	2.58965+00
-6.2	1.986-01	2.48411+00	2.76117+01	3.00959+01	8.76926+01	-4.34888+00	2.48434+00
-6.0	1.686-01	2.39435+00	2.55714+01	2.79657+01	8.45295+01	-4.16486+00	2.39657+00
-5.8	1.415-01	2.31898+00	2.38577+01	2.61766+01	8.17311+01	-3.97875+00	2.31919+00
-5.6	1.177-01	2.25642+00	2.24352+01	2.46916+01	7.92555+01	-3.79063+00	2.25661+00
-5.4	9.715-02	2.20497+00	2.12692+01	2.34702+01	7.70587+01	-3.60065+00	2.20514+00
-5.2	7.962-02	2.16296+00	2.03098+01	2.24727+01	7.50979+01	-3.40900+00	2.16311+00
-5.0	6.489-02	2.12883+00	1.95338+01	2.16627+01	7.33340+01	-3.21591+00	2.12897+00
-4.8	5.263-02	2.10122+00	1.89063+01	2.10075+01	7.17327+01	-3.02158+00	2.10134+00
-4.6	4.252-02	2.07892+00	1.84000+01	2.04790+01	7.02641+01	-2.82621+00	2.07904+00
-4.4	3.424-02	2.06093+00	1.79922+01	2.00531+01	6.89032+01	-2.62999+00	2.06103+00
-4.2	2.751-02	2.04637+00	1.76633+01	1.97097+01	6.76287+01	-2.43307+00	2.04647+00
-4.0	2.206-02	2.03450+00	1.73969+01	1.94314+01	6.64228+01	-2.23559+00	2.03459+00
-3.8	1.766-02	2.02467+00	1.71789+01	1.92036+01	6.52702+01	-2.03770+00	2.02474+00
-3.6	1.412-02	2.01626+00	1.69969+01	1.90131+01	6.41577+01	-1.83951+00	2.01632+00
-3.4	1.129-02	2.00867+00	1.68387+01	1.88474+01	6.30728+01	-1.64114+00	2.00873+00
-3.2	9.018-03	2.00126+00	1.66927+01	1.86939+01	6.20035+01	-1.44275+00	2.00131+00
-3.0	7.209-03	1.99323+00	1.65453+01	1.85386+01	6.09363+01	-1.24449+00	1.99327+00
-2.8	5.769-03	1.98360+00	1.63807+01	1.83643+01	5.98560+01	-1.04660+00	1.98363+00
-2.6	4.626-03	1.97110+00	1.61791+01	1.81502+01	5.87436+01	-8.49340-01	1.97113+00
-2.4	3.723-03	1.95415+00	1.59163+01	1.78704+01	5.75768+01	-6.53090-01	1.95417+00
-2.2	3.012-03	1.93095+00	1.55654+01	1.74963+01	5.63310+01	-4.58280-01	1.93096+00
-2.0	2.455-03	1.89979+00	1.51008+01	1.70006+01	5.49840+01	-2.65350-01	1.89979+00
-1.8	2.022-03	1.85955+00	1.45059+01	1.63654+01	5.35232+01	-7.46400-02	1.85954+00
-1.6	1.687-03	1.81031+00	1.37815+01	1.55919+01	5.19535+01	1.13700-01	1.81026+00
-1.4	1.429-03	1.75357+00	1.29500+01	1.47036+01	5.03012+01	2.99870-01	1.75349+00
-1.2	1.231-03	1.69206+00	1.20513+01	1.37434+01	4.86090+01	4.84360-01	1.69193+00
-1.0	1.077-03	1.62903+00	1.11332+01	1.27622+01	4.69262+01	6.67880-01	1.62832+00
-.8	9.552-04	1.56750+00	1.02399+01	1.18074+01	4.52971+01	8.51160-01	1.56717+00
-.6	8.560-04	1.50976+00	9.41552+00	1.09153+01	4.37543+01	1.03486+00	1.50925+00
-.4	7.723-04	1.45723+00	8.65093+00	1.01082+01	4.23168+01	1.21948+00	1.45645+00
-.2	6.990-04	1.41053+00	7.98529+00	9.39482+00	4.09911+01	1.40533+00	1.40933+00
.0	6.326-04	1.36967+00	7.40872+00	8.77839+00	3.97746+01	1.59257+00	1.36783+00
.2	5.713-04	1.33430+00	6.91537+00	8.24967+00	3.86589+01	1.78120+00	1.33166+00
.4	5.136-04	1.30388+00	6.49600+00	7.79988+00	3.76322+01	1.97119+00	1.29950+00
.6	4.590-04	1.27789+00	6.13990+00	7.41775+00	3.66818+01	2.16244+00	1.27112+00
.8	4.069-04	1.25597+00	5.83613+00	7.09216+00	3.57948+01	2.35493+00	1.24567+00
1.0	3.574-04	1.23810+00	5.57468+00	6.81278+00	3.49592+01	2.54870+00	1.22180+00
1.2	3.108-04	1.22478+00	5.36643+00	6.57121+00	3.41641+01	2.74401+00	1.19965+00
1.4	2.674-04	1.21733+00	5.14412+00	6.36144+00	3.33997+01	2.94136+00	1.17794+00
1.6	2.282-04	1.21821+00	4.96225+00	6.18646+00	3.26574+01	3.14167+00	1.15695+00
1.8	1.940-04	1.23161+00	4.73715+00	6.02876+00	3.19289+01	3.34642+00	1.13634+00
2.0	1.659-04	1.26420+00	4.46686+00	5.91106+00	3.12048+01	3.55776+00	1.11608+00
2.2	1.454-04	1.32623+00	4.51089+00	5.83712+00	3.04738+01	3.77857+00	1.09615+00

T= 7900

LOG U	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.218-08	8.750-12	7.971-10	6.758-13	2.405-23	2.201-21	1.680-20	2.764-08	1.293-10
-6.8	1.438-07	1.457-11	1.813-09	1.766-12	1.156-22	9.189-21	7.036-20	4.652-08	2.122-10
-6.6	3.126-07	4.129-11	3.884-09	4.408-12	5.140-22	3.511-20	2.730-19	7.534-08	3.332-10
-6.4	6.452-07	8.285-11	7.501-09	1.055-11	2.142-21	1.243-19	9.803-19	1.171-07	5.039-10
-6.2	1.271-06	1.593-10	1.538-08	2.433-11	8.439-21	4.133-19	3.298-18	1.758-07	7.373-10
-6.0	2.409-06	2.957-10	2.885-08	5.497-11	3.170-20	1.303-18	1.051-17	2.558-07	1.052-09
-5.8	4.418-06	5.330-10	5.249-08	1.181-10	1.143-19	3.935-18	3.201-17	3.628-07	1.466-09
-5.6	7.885-06	9.376-10	9.292-08	2.499-10	3.980-19	1.147-17	9.398-17	5.034-07	2.005-09
-5.4	1.376-05	1.617-09	1.612-07	5.168-10	1.343-18	3.247-17	2.676-16	6.860-07	2.700-09
-5.2	2.359-05	2.742-09	2.748-07	1.066-09	4.412-18	8.977-17	7.435-16	9.209-07	3.589-09
-5.0	3.977-05	4.591-09	4.617-07	2.077-09	1.414-17	2.435-16	2.025-15	1.221-06	4.721-09
-4.8	6.627-05	7.602-09	7.671-07	4.043-09	4.426-17	6.505-16	5.426-15	1.602-06	6.155-09
-4.6	1.093-04	1.248-08	1.262-06	7.729-09	1.356-16	1.716-15	1.435-14	2.086-06	7.979-09
-4.4	1.759-04	2.034-08	2.062-06	1.481-08	4.072-16	4.464-15	3.757-14	2.697-06	1.027-08
-4.2	2.808-04	3.298-08	3.347-06	2.877-08	1.199-15	1.162-14	9.748-14	3.467-06	1.317-08
-4.0	4.401-04	5.321-08	5.404-06	4.854-08	3.457-15	2.991-14	2.512-13	4.439-06	1.683-08
-3.8	7.565-04	8.557-08	8.695-06	8.699-08	9.847-15	7.661-14	6.436-13	5.658-06	2.144-08
-3.6	1.212-03	1.372-07	1.394-05	1.521-07	2.751-14	1.953-13	1.641-12	7.188-06	2.725-08
-3.4	1.936-03	2.191-07	2.228-05	2.634-07	7.570-14	4.983-13	4.183-12	9.1[illegible]-06	3.458-08
-3.2	3.079-03	3.508-07	3.552-05	4.500-07	2.054-13	1.256-12	1.052-11	1.148-05	4.383-08
-3.0	4.875-03	5.601-07	5.647-05	7.497-07	5.506-13	3.171-12	2.643-11	1.443-05	5.551-08
-2.8	7.677-03	8.936-07	[illegible]	1.249-06	1.459-12	7.977-12	[illegible]	[illegible]-05	[illegible]
-2.6	1.200-02	1.427-06	1.414-04	2.089-06	3.829-12	1.999-11	1.637-10	2.234-05	8.900-08
-2.4	1.856-02	2.200-06	2.223-04	3.443-06	9.956-12	4.982-11	4.016-10	2.740-05	1.127-07
-2.2	2.831-02	3.652-06	3.475-04	5.599-06	2.966-11	1.234-10	9.705-10	3.308-05	1.429-07
-2.0	4.234-02	5.866-06	5.386-04	9.023-06	6.550-11	3.030-10	2.299-09	3.908-05	1.816-07
-1.8	6.176-02	9.458-06	8.260-04	1.438-05	1.653-10	7.356-10	5.310-09	4.486-05	2.301-07
-1.6	8.740-02	1.531-05	1.250-03	2.256-05	4.102-10	1.762-09	1.189-08	4.965-05	2.915-07
-1.4	1.195-01	2.488-05	1.864-03	3.461-05	9.951-10	4.152-09	2.570-08	5.267-05	3.674-07
-1.2	1.575-01	4.034-05	2.731-03	5.144-05	2.336-09	9.612-09	5.351-08	5.328-05	4.593-07
-1.0	2.002-01	6.609-05	3.931-03	7.335-05	5.255-09	2.183-08	1.073-07	5.133-05	5.676-07
-.8	2.457-01	1.076-04	5.556-03	9.946-05	1.123-08	4.864-08	2.075-07	4.717-05	6.918-07
-.6	2.921-01	1.745-04	7.716-03	1.278-04	2.269-08	1.063-07	3.880-07	4.153-05	8.308-07
-.4	3.376-01	2.813-04	1.053-02	1.557-04	4.339-08	2.278-07	7.037-07	3.525-05	9.837-07
-.2	3.806-01	4.500-04	1.414-02	1.810-04	7.898-09	4.794-07	1.242-06	2.904-05	1.150-06
.0	4.201-01	7.129-04	1.870-02	2.025-04	1.379-07	9.905-07	2.138-06	2.337-05	1.329-06
.2	4.553-01	1.117-03	2.437-02	2.201-04	2.330-07	2.010-06	3.599-06	1.850-05	1.520-06
.4	4.860-01	1.727-03	3.130-02	2.342-04	3.835-07	4.008-06	[illegible] 936-06	1.450-05	1.726-06
.6	5.123-01	2.631-03	3.966-02	2.454-04	6.179-07	7.850-06	[illegible] 607-06	1.132-05	1.945-06
.8	5.346-01	3.938-03	4.956-02	2.543-04	9.781-07	1.510-05	[illegible] 527-05	8.852-06	2.183-06
1.0	5.532-01	5.780-03	6.105-02	2.617-04	1.525-06	2.854-05	[illegible].384-05	6.988-06	2.442-06
1.2	5.687-01	8.296-03	7.412-02	2.677-04	2.343-06	5.307-05	[illegible].655-05	5.607-06	2.734-06
1.4	5.817-01	1.162-02	8.863-02	2.728-04	3.552-06	9.739-05	[illegible].508-05	4.610-06	3.073-06
1.6	5.928-01	1.584-02	1.043-01	2.770-04	5.321-06	1.775-04	[illegible].150-05	3.922-06	3.490-06
1.8	6.024-01	2.100-02	1.209-01	2.802-04	7.891-06	3.253-04	1.184-04	3.494-06	4.043-06
2.0	6.110-01	2.706-02	1.378-01	2.827-04	1.162-05	6.108-04	1.689-04	3.316-06	4.850-06
2.2	6.190-01	3.391-02	1.545-01	2.825-04	1.708-05	1.212-03	[illegible].363-04	3.450-06	6.187-06

T= 7900

LOG U	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.057-23	2.002-07	1.712-12	3.843-10	2.854-01	2.741-11	6.968-02	6.418-15	1.086-03
-6.8	3.225-23	3.338-07	3.282-12	6.388-10	2.593-01	1.825-11	6.209-02	4.207-15	9.266-04
-6.6	9.141-23	5.324-07	6.093-12	1.016-09	2.319-01	1.216-11	5.468-02	2.758-15	7.837-04
-6.4	2.434-22	8.163-07	1.099-11	1.553-09	2.062-01	8.073-12	4.750-02	1.806-15	6.577-04
-6.2	6.147-22	1.210-06	1.931-11	2.297-09	1.773-01	5.338-12	4.073-02	1.180-15	5.480-04
-6.0	1.486-21	1.743-06	3.314-11	3.302-09	1.519-01	3.513-12	3.454-02	7.683-16	4.537-04
-5.8	3.446-21	2.451-06	5.565-11	4.636-09	1.286-01	2.300-12	2.898-02	4.987-16	3.734-04
-5.6	7.839-21	3.376-06	9.159-11	6.378-09	1.077-01	1.498-12	2.410-02	3.225-16	3.057-04
-5.4	1.731-20	4.573-06	1.479-10	8.632-09	8.940-02	9.715-13	1.988-02	2.079-16	2.490-04
-5.2	3.749-20	6.109-06	2.347-10	1.152-08	7.362-02	6.272-13	1.630-02	1.335-16	2.020-04
-5.0	7.989-20	8.068-06	3.660-10	1.521-08	6.023-02	4.034-13	1.328-02	8.555-17	1.633-04
-4.8	1.680-19	1.056-05	5.613-10	1.990-08	4.900-02	2.586-13	1.077-02	5.466-17	1.315-04
-4.6	3.498-19	1.370-05	8.465-10	2.583-08	3.969-02	1.653-13	8.701-03	3.486-17	1.057-04
-4.4	7.221-19	1.769-05	1.256-09	3.334-08	3.202-02	1.056-13	7.006-03	2.219-17	8.478-05
-4.2	1.481-18	2.271-05	1.832-09	4.283-08	2.575-02	6.710-14	5.627-03	1.410-17	6.787-05
-4.0	3.020-18	2.904-05	2.630-09	5.480-08	2.066-02	4.265-14	4.510-03	8.956-18	5.426-05
-3.8	6.134-18	3.700-05	3.718-09	6.991-08	1.654-02	2.706-14	3.609-03	5.682-18	4.333-05
-3.6	1.242-17	4.703-05	5.177-09	8.899-08	1.321-02	1.715-14	2.884-03	3.602-18	3.457-05
-3.4	2.508-17	5.961-05	7.108-09	1.131-07	1.054-02	1.086-14	2.303-03	2.283-18	2.757-05
-3.2	5.057-17	7.538-05	9.635-09	1.435-07	8.391-03	6.866-15	1.838-03	1.447-18	2.198-05
-3.0	1.019-16	9.509-05	1.290-08	1.821-07	6.667-03	4.334-15	1.466-03	9.169-19	1.753-05
-2.8	2.051-16	1.196-04	1.710-08	2.312-07	5.285-03	2.729-15	1.170-03	5.812-19	1.398-05
-2.6	4.135-16	1.498-04	2.244-08	2.938-07	4.175-03	1.712-15	9.341-04	3.685-19	1.116-05
-2.4	8.350-16	1.868-04	2.917-08	3.742-07	3.282-03	1.069-15	7.464-04	2.338-19	8.917-06
-2.2	1.692-15	2.311-04	3.756-08	4.785-07	2.562-03	6.617-16	5.971-04	1.484-19	7.137-06
-2.0	3.448-15	2.829-04	4.781-08	6.156-07	1.980-03	4.048-16	4.783-04	9.406-20	5.722-06
-1.8	7.083-15	3.414-04	5.996-08	7.986-07	1.509-03	2.434-16	3.833-04	5.946-20	4.591-06
-1.6	1.470-14	4.043-04	7.359-08	1.048-06	1.130-03	1.429-16	3.068-04	3.733-20	3.682-06
-1.4	3.090-14	4.674-04	8.758-08	1.393-06	8.262-04	8.133-17	2.447-04	2.317-20	2.944-06
-1.2	6.586-14	5.256-04	9.990-08	1.879-06	5.882-04	4.460-17	1.936-04	1.412-20	2.339-06
-1.0	1.423-13	5.735-04	1.080-07	2.575-06	4.068-04	2.349-17	1.517-04	8.424-21	1.840-06
-.8	3.114-13	6.069-04	1.096-07	3.574-06	2.732-04	1.188-17	1.173-04	4.905-21	1.432-06
-.6	6.870-13	6.241-04	1.043-07	5.013-06	1.786-04	5.787-18	8.958-05	2.792-21	1.102-06
-.4	1.522-12	6.256-04	9.331-08	7.076-06	1.141-04	2.736-18	6.758-05	1.559-21	8.395-07
-.2	3.371-12	6.138-04	7.927-08	1.001-05	7.150-05	1.264-18	5.045-05	8.580-22	6.347-07
.0	7.429-12	5.918-04	6.471-08	1.413-05	4.419-05	5.761-19	3.737-05	4.685-22	4.776-07
.2	1.622-11	5.637-04	5.138-08	1.984-05	2.706-05	2.610-19	2.751-05	2.551-22	3.588-07
.4	3.497-11	5.309-04	4.014-08	2.764-05	1.650-05	1.185-19	2.020-05	1.394-22	2.702-07
.6	7.411-11	4.977-04	3.114-08	3.807-05	1.007-05	5.439-20	1.482-05	7.691-23	2.046-07
.8	1.539-10	4.658-04	2.421-08	5.170-05	6.180-06	2.547-20	1.093-05	4.313-23	1.566-07
1.0	3.121-10	4.371-04	1.901-08	6.909-05	3.837-06	1.229-20	8.059-06	2.477-23	1.217-07
1.2	6.169-10	4.133-04	1.520-08	9.070-05	2.425-06	6.174-21	6.021-06	1.470-23	9.664-08
1.4	1.189-09	3.961-04	1.247-08	1.170-04	1.570-06	3.269-21	4.565-06	9.100-24	7.892-08
1.6	2.245-09	3.874-04	1.060-08	1.487-04	1.050-06	1.849-21	3.534-06	5.947-24	6.682-08
1.8	4.202-09	3.906-04	9.430-09	1.879-04	7.325-07	1.136-21	2.817-06	4.164-24	5.925-09
2.0	7.969-09	4.123-04	8.936-09	2.398-04	5.401-07	7.770-22	2.342-06	3.203-24	5.587-08
2.2	1.597-08	4.674-04	9.262-09	3.180-04	4.310-07	6.225-22	2.077-06	2.841-24	5.749-08

T= 7900

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	4.594-12	1.044-04	5.610-12	1.115-09	2.156-01	6.622-02	1.935-03	2.274-06	9.701-06
-6.8	2.875-12	1.091-04	4.296-12	8.603-10	2.721-01	8.370-02	2.252-03	3.238-06	1.021-05
-6.6	1.810-12	1.134-04	3.330-12	6.734-10	3.270-01	9.548-02	2.559-03	4.531-06	1.074-05
-6.4	1.145-12	1.177-04	2.601-12	5.325-10	3.821-01	1.100-01	2.849-03	6.228-06	1.126-05
-6.2	7.269-13	1.211-04	2.039-12	4.239-10	4.355-01	1.239-01	3.117-03	8.415-06	1.177-05
-6.0	4.623-13	1.236-04	1.598-12	3.389-10	4.858-01	1.368-01	3.360-03	1.118-05	1.225-05
-5.8	2.943-13	1.249-04	1.250-12	2.713-10	5.318-01	1.484-01	3.576-03	1.462-05	1.269-05
-5.6	1.873-13	1.250-04	9.727-13	2.174-10	5.729-01	1.588-01	3.765-03	1.902-05	1.308-05
-5.4	1.192-13	1.237-04	7.520-13	1.742-10	6.090-01	1.677-01	3.928-03	2.385-05	1.342-05
-5.2	7.581-14	1.210-04	5.766-13	1.395-10	6.399-01	1.754-01	4.066-03	2.977-05	1.371-05
-5.0	4.817-14	1.169-04	4.380-13	1.116-10	6.662-01	1.819-01	4.182-03	3.699-05	1.396-05
-4.8	3.058-14	1.115-04	3.290-13	8.920-11	6.882-01	1.873-01	4.278-03	4.631-05	1.416-05
-4.6	1.940-14	1.049-04	2.443-13	7.123-11	7.065-01	1.918-01	4.358-03	5.782-05	1.434-05
-4.4	1.230-14	9.726-05	1.791-13	5.684-11	7.214-01	1.955-01	4.423-03	6.200-05	1.448-05
-4.2	7.791-15	8.892-05	1.296-13	4.532-11	7.335-01	1.985-01	4.477-03	7.166-05	1.460-05
-4.0	4.934-15	8.007-05	9.264-14	3.612-11	7.433-01	2.010-01	4.520-03	8.151-05	1.469-05
-3.8	3.124-15	7.109-05	6.567-14	2.877-11	7.510-01	2.030-01	4.556-03	9.134-05	1.477-05
-3.6	1.978-15	6.224-05	4.519-14	2.291-11	7.569-01	2.046-01	4.586-03	1.009-04	1.484-05
-3.4	1.252-15	5.377-05	3.099-14	1.825-11	7.613-01	2.060-01	4.612-03	1.099-04	1.490-05
-3.2	7.925-16	4.578-05	2.100-14	1.453-11	7.647-01	2.072-01	4.636-03	1.182-04	1.496-05
-3.0	5.019-16	3.871-05	1.407-14	1.157-11	7.652-01	2.084-01	4.658-03	1.257-04	1.502-05
-2.8	3.180-16	3.233-05	9.338-15	9.224-12	7.645-01	2.096-01	4.683-03	1.323-04	1.509-05
-2.6	2.016-16	2.675-05	6.137-15	7.358-12	7.614-01	2.110-01	4.713-03	1.380-04	1.517-05
-2.4	1.279-16	2.193-05	3.995-15	5.877-12	7.551-01	2.127-01	4.751-03	1.428-04	1.529-05
-2.2	8.122-17	1.782-05	2.574-15	4.702-12	7.446-01	2.149-01	4.804-03	1.465-04	1.545-05
-2.0	5.154-17	1.432-05	1.637-15	3.768-12	7.285-01	2.179-01	4.875-03	1.491-04	1.568-05
-1.8	3.262-17	1.134-05	1.023-15	3.023-12	7.057-01	2.219-01	4.971-03	1.500-04	1.598-05
-1.6	2.052-17	8.798-06	6.224-16	2.424-12	6.751-01	2.271-01	5.097-03	1.488-04	1.638-05
-1.4	1.277-17	6.623-06	3.646-16	1.938-12	6.365-01	2.334-01	5.253-03	1.444-04	1.688-05
-1.2	7.813-18	4.783-06	2.028-16	1.539-12	5.906-01	2.408-01	5.437-03	1.359-04	1.747-05
-1.0	4.682-18	3.276-06	1.058-16	1.211-12	5.388-01	2.488-01	5.645-03	1.229-04	1.814-05
-.8	2.743-18	2.111-06	5.132-17	9.419-13	4.834-01	2.571-01	5.868-03	1.057-04	1.885-05
-.6	1.573-18	1.277-06	2.313-17	7.245-13	4.267-01	2.650-01	6.097-03	8.629-05	1.959-05
-.4	8.872-19	7.277-07	9.762-18	5.517-13	3.711-01	2.722-01	6.325-03	6.698-05	2.032-05
-.2	4.947-19	3.949-07	3.906-18	4.169-13	3.193-01	2.781-01	6.545-03	4.974-05	2.102-05
.0	2.746-19	2.065-07	1.507-18	3.133-13	2.697-01	2.824-01	6.753-03	3.567-05	2.169-05
.2	1.527-19	1.054-07	5.693-19	2.350-13	2.261-01	2.847-01	6.947-03	2.494-05	2.231-05
.4	8.564-20	5.322-08	2.141-19	1.765-13	1.878-01	2.846-01	7.127-03	1.715-05	2.289-05
.6	4.865-20	2.683-08	8.129-20	1.332-13	1.548-01	2.819-01	7.294-03	1.169-05	2.343-05
.8	2.857-20	1.364-08	3.159-20	1.013-13	1.267-01	2.765-01	7.451-03	7.941-06	2.393-05
1.0	1.731-20	7.059-09	1.273-20	7.800-14	1.031-01	2.686-01	7.602-03	5.385-06	2.442-05
1.2	1.098-20	3.747-09	5.396-21	6.102-14	8.345-02	2.564-01	7.748-03	3.670-06	2.489-05
1.4	7.382-21	2.057-09	2.438-21	4.867-14	6.718-02	2.417-01	7.894-03	2.513-06	2.535-05
1.6	5.345-21	1.177-09	1.192-21	3.971-14	5.376-02	2.239-01	8.040-03	1.729-06	2.582-05
1.8	4.250-21	7.071-10	6.413-22	3.322-14	4.268-02	2.034-01	8.189-03	1.194-06	2.630-05
2.0	3.825-21	4.507-10	3.896-22	2.859-14	3.351-02	1.804-01	8.340-03	8.222-07	2.679-05
2.2	4.132-21	3.101-10	2.809-22	2.547-14	2.587-02	1.556-01	8.495-03	5.606-07	2.729-05

T= 7900

LOG C	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	3.561-01	3.09171+00	4.09665+01	4.40582+01	1.06569+02	-5.04832+00	3.09201+00
-6.8	3.225-01	2.93816+00	3.75215+01	4.04597+01	1.01736+02	-4.87044+00	2.93847+00
-6.6	2.875-01	2.79398+00	3.42857+01	3.70797+01	9.71808+01	-4.69230+00	2.79429+00
-6.4	2.525-01	2.66326+00	3.13513+01	3.40145+01	9.29904+01	-4.51310+00	2.66356+00
-6.2	2.187-01	2.54903+00	2.87639+01	3.13119+01	8.92037+01	-4.33231+00	2.54831+00
-6.0	1.870-01	2.44867+00	2.65325+01	2.89812+01	8.58224+01	-4.14959+00	2.44894+00
-5.8	1.581-01	2.36449+00	2.46615+01	2.70060+01	8.28237+01	-3.96478+00	2.36473+00
-5.6	1.322-01	2.29412+00	2.30608+01	2.53549+01	8.01708+01	-3.77790+00	2.29434+00
-5.4	1.097-01	2.23593+00	2.17534+01	2.39893+01	7.78209+01	-3.59906+00	2.23613+00
-5.2	9.025-02	2.18820+00	2.06812+01	2.28694+01	7.57303+01	-3.39843+00	2.18839+00
-5.0	7.380-02	2.14932+00	1.98075+01	2.19568+01	7.38582+01	-3.20622+00	2.14948+00
-4.8	6.003-02	2.11777+00	1.90991+01	2.12169+01	7.21675+01	-3.01264+00	2.11793+00
-4.6	4.861-02	2.09228+00	1.85267+01	2.06190+01	7.06260+01	-2.81790+00	2.09241+00
-4.4	3.923-02	2.07159+00	1.80652+01	2.01369+01	6.92059+01	-2.62219+00	2.07181+00
-4.2	3.156-02	2.05506+00	1.76932+01	1.97482+01	6.78838+01	-2.42570+00	2.05517+00
-4.0	2.534-02	2.04155+00	1.73926+01	1.94341+01	6.66400+01	-2.22856+00	2.04165+00
-3.8	2.030-02	2.03046+00	1.71480+01	1.91784+01	6.54579+01	-2.03093+00	2.03055+00
-3.6	1.625-02	2.02113+00	1.69459+01	1.89671+01	6.43230+01	-1.83292+00	2.02121+00
-3.4	1.299-02	2.01296+00	1.67741+01	1.87871+01	6.32224+01	-1.63468+00	2.01303+00
-3.2	1.038-02	2.00530+00	1.66206+01	1.86259+01	6.21436+01	-1.43634+00	2.00536+00
-3.0	8.299-03	1.99741+00	1.64725+01	1.84699+01	6.10738+01	-1.23805+00	1.99747+00
-2.8	6.639-03	1.98839+00	1.63151+01	1.83034+01	5.99985+01	-1.04002+00	1.98844+00
-2.6	5.319-03	1.97709+00	1.61301+01	1.81072+01	5.89004+01	-8.42490-01	1.97712+00
-2.4	4.273-03	1.96203+00	1.58954+01	1.78574+01	5.77585+01	-6.45810-01	1.96206+00
-2.2	3.448-03	1.94147+00	1.55850+01	1.75265+01	5.65491+01	-4.50390-01	1.94149+00
-2.0	2.800-03	1.91362+00	1.51721+01	1.70858+01	5.52483+01	-2.56660-01	1.91363+00
-1.8	2.294-03	1.87704+00	1.46358+01	1.65128+01	5.38337+01	-6.50500-02	1.87703+00
-1.6	1.902-03	1.83125+00	1.39688+01	1.58001+01	5.23176+01	1.24230-01	1.83121+00
-1.4	1.600-03	1.77719+00	1.31847+01	1.49615+01	5.07024+01	3.11210-01	1.77711+00
-1.2	1.367-03	1.71715+00	1.23168+01	1.40135+01	4.90297+01	4.96290-01	1.71702+00
-1.0	1.187-03	1.65427+00	1.14105+01	1.30548+01	4.73471+01	6.80090-01	1.65405+00
-.8	1.045-03	1.59172+00	1.05121+01	1.21039+01	4.57014+01	8.63350-01	1.59139+00
-.6	9.321-04	1.53214+00	9.65994+00	1.11921+01	4.41302+01	1.04678+00	1.53163+00
-.4	8.381-04	1.47730+00	8.87977+00	1.03571+01	4.26573+01	1.23095+00	1.47651+00
-.2	7.570-04	1.42813+00	8.18505+00	9.61318+00	4.12938+01	1.41625+00	1.42691+00
.0	6.847-04	1.38485+00	7.57908+00	8.96393+00	4.00404+01	1.60288+00	1.38299+00
.2	6.184-04	1.34725+00	7.05808+00	8.40533+00	3.89905+01	1.79093+00	1.34439+00
.4	5.568-04	1.31488+00	6.61398+00	7.92886+00	3.78337+01	1.98037+00	1.31048+00
.6	4.980-04	1.28725+00	6.23657+00	7.52782+00	3.68573+01	2.17114+00	1.28043+00
.8	4.424-04	1.26398+00	5.91507+00	7.17505+00	3.59485+01	2.36322+00	1.25342+00
1.0	3.895-04	1.24503+00	5.63908+00	6.88411+00	3.50950+01	2.55666+00	1.23865+00
1.2	3.395-04	1.23086+00	5.39932+00	6.63018+00	3.42854+01	2.75169+00	1.20543+00
1.4	2.930-04	1.22276+00	5.18801+00	6.41076+00	3.35094+01	2.94881+00	1.18323+00
1.6	2.508-04	1.22304+00	4.99915+00	6.22223+00	3.27577+01	3.14994+00	1.16167+00
1.8	2.139-04	1.23604+00	4.82858+00	6.06461+00	3.20215+01	3.35351+00	1.14057+00
2.0	1.816-04	1.26822+00	4.67389+00	5.94211+00	3.12911+01	3.56467+00	1.11985+00
2.2	1.816-04	1.32984+00	4.53425+00	5.86409+00	3.05547+01	3.78528+00	1.09946+00

T= 8000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.971-08	6.385-12	5.530-10	4.224-13	1.252-25	1.315-21	9.347-21	2.205-08	1.104-10
-6.8	9.564-08	1.468-11	1.308-09	1.137-12	6.307-23	5.821-21	4.213-20	3.836-08	1.862-10
-6.6	2.159-07	3.234-11	2.962-09	2.913-12	2.927-22	2.340-20	1.723-19	6.620-08	2.996-10
-6.4	4.588-07	6.874-11	6.084-09	7.135-12	1.269-21	8.655-20	6.475-19	1.023-07	4.625-10
-6.2	9.311-07	1.314-10	1.219-08	1.680-11	5.161-21	2.903-19	2.269-18	1.568-07	6.894-10
-6.0	1.806-06	2.486-10	2.328-08	3.820-11	1.982-20	9.692-19	7.443-18	2.325-07	9.973-10
-5.8	3.378-06	4.557-10	4.309-08	8.474-11	7.306-20	2.599-18	2.327-17	3.369-07	1.407-09
-5.6	6.127-06	8.174-10	7.749-08	1.807-10	2.592-19	8.917-18	6.980-17	4.708-07	1.946-09
-5.4	1.084-05	1.416-09	1.361-07	3.783-10	8.891-19	2.566-17	2.023-16	6.485-07	2.640-09
-5.2	1.877-05	2.424-09	2.343-07	7.741-10	2.961-18	7.190-17	5.702-16	8.784-07	3.534-09
-5.0	3.195-05	4.008-09	3.900-07	1.591-09	9.602-18	1.972-16	1.571-15	1.173-06	4.676-09
-4.8	5.364-05	6.810-09	6.638-07	3.047-09	3.040-17	5.313-16	4.249-15	1.569-06	6.121-09
-4.6	8.902-05	1.123-08	1.093-06	5.872-09	9.407-17	1.412-15	1.133-14	2.027-06	7.965-09
-4.4	1.466-04	1.830-08	1.801-06	1.111-08	2.859-16	3.706-15	2.982-14	2.631-06	1.029-08
-4.2	2.389-04	2.959-08	2.935-06	2.065-08	8.464-16	9.652-15	7.777-14	3.344-06	1.323-08
-4.0	3.874-04	4.832-08	4.753-06	3.770-08	2.466-15	2.404-14	2.012-13	4.259-06	1.693-08
-3.8	6.250-04	7.781-08	7.664-06	6.770-08	7.056-15	6.408-14	5.172-13	5.565-06	2.161-08
-3.6	1.004-03	1.251-07	1.231-05	1.196-07	1.984-14	1.637-13	1.322-12	7.085-06	2.750-08
-3.4	1.606-03	2.005-07	1.971-05	2.093-07	5.491-14	4.168-13	3.363-12	8.986-06	3.493-08
-3.2	2.560-03	3.206-07	3.146-05	3.577-07	1.498-13	1.057-12	8.516-12	1.136-05	4.431-08
-3.0	4.063-03	5.120-07	5.009-05	6.066-07	4.034-13	2.673-12	2.146-11	1.431-05	5.615-08
-2.8	6.415-03	8.173-07	7.952-05	1.017-06	1.074-12	6.734-12	5.378-11	1.792-05	7.112-08
-2.6	1.006-02	1.305-06	1.258-04	1.689-06	2.828-12	1.690-11	1.338-10	2.231-05	9.007-08
-2.4	1.564-02	2.084-06	1.983-04	2.779-06	7.379-12	4.224-11	3.298-10	2.749-05	1.141-07
-2.2	2.400-02	3.335-06	3.107-04	4.535-06	1.909-11	1.049-10	8.021-10	3.343-05	1.447-07
-2.0	3.820-02	5.349-06	4.931-04	7.335-06	4.892-11	2.586-10	1.917-09	3.999-05	1.836-07
-1.8	5.336-02	8.611-06	7.445-04	1.175-05	1.241-10	6.307-10	4.475-09	4.640-05	2.332-07
-1.6	7.648-02	1.392-05	1.133-03	1.857-05	3.104-10	1.519-09	1.015-08	5.220-05	2.950-07
-1.4	1.060-01	2.258-05	1.699-03	2.881-05	7.611-10	3.603-09	2.225-08	5.641-05	3.741-07
-1.2	1.418-01	3.674-05	2.507-03	4.347-05	1.816-09	8.393-09	4.701-08	5.425-05	4.700-07
-1.0	1.828-01	5.957-05	3.634-03	6.319-05	4.162-09	1.921-08	9.563-08	5.730-05	5.844-07
-.8	2.275-01	9.748-05	5.171-03	8.766-05	9.190-09	4.310-08	1.875-07	5.373-05	7.172-07
-.6	2.737-01	1.562-04	7.228-03	1.153-04	1.836-08	9.481-08	3.550-07	4.818-05	8.674-07
-.4	3.198-01	2.555-04	9.927-03	1.437-04	3.687-08	2.046-07	6.510-07	4.154-05	1.034-06
-.2	3.639-01	4.095-04	1.341-02	1.704-04	6.847-08	4.331-07	1.160-06	3.467-05	1.215-06
.0	4.048-01	6.504-04	1.752-02	1.958-04	1.215-07	9.000-07	2.014-06	2.821-05	1.411-06
.2	4.417-01	1.022-03	2.332-02	2.131-04	2.079-07	1.836-06	3.415-06	2.252-05	1.622-06
.4	4.742-01	1.584-03	3.009-02	2.287-04	3.455-07	3.680-06	5.670-06	1.776-05	1.848-06
.6	5.022-01	2.420-03	3.828-02	2.412-04	5.607-07	7.242-06	9.229-06	1.393-05	2.091-06
.8	5.260-01	3.636-03	4.800-02	2.511-04	8.926-07	1.400-05	1.474-05	1.094-05	2.356-06
1.0	5.460-01	5.357-03	5.934-02	2.591-04	1.398-06	2.659-05	2.312-05	8.656-06	2.642-06
1.2	5.627-01	7.722-03	7.229-02	2.658-04	2.157-06	4.971-05	3.561-05	6.956-06	2.967-06
1.4	5.767-01	1.096-02	8.673-02	2.713-04	3.283-06	9.172-05	5.387-05	5.726-06	3.349 06
1.6	5.885-01	1.489-02	1.024-01	2.759-04	4.937-06	1.682-04	8.002-05	4.875-06	3.821-06
1.8	5.988-01	1.985-02	1.191-01	2.796-04	7.350-06	3.100-04	1.167-04	4.347-06	4.449-06
2.0	6.079-01	2.574-02	1.362-01	2.818-04	1.087-05	5.856-04	1.670-04	4.131-06	5.371-06
2.2	6.163-01	3.245-02	1.532-01	2.825-04	1.604-05	1.169-03	2.345-04	4.310-06	6.909-06

T= 8000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O>+	A+
-7.0	9.050-24	1.542-07	1.298-12	3.926-10	3.036-01	4.657-11	7.347-02	1.214-14	1.210-03
-6.8	2.897-23	2.665-07	2.526-12	6.031-10	2.758-01	3.102-11	6.021-02	7.939-15	1.041-03
-6.6	8.563-23	4.336-07	4.793-12	9.838-10	2.491-01	2.067-11	5.877-02	5.200-15	8.871-04
-6.4	2.362-22	6.797-07	8.704-12	1.538-09	2.215-01	1.375-11	5.143-02	3.406-15	7.490-04
-6.2	6.146-22	1.027-06	1.566-11	2.319-09	1.940-01	9.119-12	4.442-02	2.227-15	6.275-04
-6.0	1.523-21	1.505-06	2.721-11	3.384-09	1.675-01	6.020-12	3.790-02	1.412-15	5.221-04
-5.8	3.623-21	2.145-06	4.621-11	4.821-09	1.428-01	3.955-12	3.198-02	9.441-16	4.315-04
-5.6	8.335-21	2.990-06	7.683-11	6.710-09	1.204-01	2.585-12	2.673-02	6.117-16	3.546-04
-5.4	1.866-20	4.089-06	1.253-10	9.166-09	1.005-01	1.681-12	2.215-02	3.949-16	2.899-04
-5.2	4.086-20	5.506-06	2.005-10	1.233-08	8.316-02	1.088-12	1.822-02	2.541-16	2.358-04
-5.0	8.784-20	7.319-06	3.152-10	1.638-08	6.830-02	7.014-13	1.489-02	1.631-16	1.911-04
-4.8	1.861-19	9.627-06	4.870-10	2.154-08	5.575-02	4.505-13	1.211-02	1.043-16	1.543-04
-4.6	3.897-19	1.256-05	7.398-10	2.809-08	4.528-02	2.885-13	9.804-03	6.661-17	1.242-04
-4.4	8.082-19	1.626-05	1.105-09	3.637-08	3.661-02	1.843-13	7.909-03	4.245-17	9.976-05
-4.2	1.663-18	2.094-05	1.623-09	4.685-08	2.950-02	1.175-13	6.362-03	2.701-17	7.996-05
-4.0	3.403-18	2.684-05	2.346-09	6.004-08	2.371-02	7.473-14	5.105-03	1.716-17	6.398-05
-3.8	6.928-18	3.427-05	3.336-09	7.678-08	1.900-02	4.747-14	4.089-03	1.089-17	5.113-05
-3.6	1.403-17	4.362-05	4.672-09	9.786-08	1.520-02	3.012-14	3.270-03	6.911-18	4.083-05
-3.4	2.842-17	5.537-05	6.449-09	1.245-07	1.213-02	1.909-14	2.613-03	4.382-18	3.257-05
-3.2	5.736-17	7.012-05	8.784-09	1.581-07	9.672-03	1.208-14	2.086-03	2.778-18	2.598-05
-3.0	1.156-16	8.857-05	1.182-08	2.007-07	7.694-03	7.633-15	1.665-03	1.761-18	2.072-05
-2.8	2.329-16	1.116-04	1.573-08	2.547-07	6.107-03	4.813-15	1.329-03	1.117-18	1.653-05
-2.6	4.692-16	1.401-04	2.072-08	3.235-07	4.833-03	3.027-15	1.061-03	7.084-19	1.319-05
-2.4	9.466-16	1.750-04	2.704-08	4.116-07	3.808-03	1.895-15	8.474-04	4.496-19	1.054-05
-2.2	1.915-15	2.173-04	3.496-08	5.254-07	2.983-03	1.179-15	6.779-04	2.856-19	8.434-06
-2.0	3.892-15	2.675-04	4.474-08	6.739-07	2.317-03	7.258-16	5.430-04	1.813-19	6.761-06
-1.8	7.963-15	3.250-04	5.653-08	8.707-07	1.778-03	4.404-16	4.354-04	1.150-19	5.428-06
-1.6	1.644-14	3.883-04	7.015-08	1.136-06	1.343-03	2.618-16	3.491-04	7.258-20	4.360-06
-1.4	3.434-14	4.540-04	8.481-08	1.500-06	9.927-04	1.514-16	2.792-04	4.540-20	3.495-06
-1.2	7.268-14	5.170-04	9.879-08	2.010-06	7.156-04	8.457-17	2.220-04	2.798-20	2.789-06
-1.0	1.560-13	5.718-04	1.096-07	2.734-06	5.016-04	4.544-17	1.749-04	1.630-20	2.207-06
-.8	3.390-13	6.134-04	1.146-07	3.770-06	3.414-04	2.344-17	1.362-04	9.973-21	1.729-06
-.6	7.442-13	6.387-04	1.123-07	5.260-06	2.260-04	1.164-17	1.047-04	5.749-21	1.339-06
-.4	1.643-12	6.474-04	1.033-07	7.397-06	1.459-04	5.588-18	7.949-05	3.246-21	1.026-06
-.2	3.634-12	6.412-04	8.988-08	1.044-05	9.226-05	2.617-18	5.967-05	1.804-21	7.797-07
.0	8.006-12	6.231-04	7.473-08	1.473-05	5.744-05	1.205-18	4.439-05	9.923-22	5.891-07
.2	1.750-11	5.968-04	6.015-08	2.070-05	3.538-05	5.500-19	3.281-05	5.435-22	4.440-07
.4	3.782-11	5.655-04	4.745-08	2.888-05	2.167-05	2.512-19	2.415-05	2.983-22	3.350-07
.6	8.042-11	5.324-04	3.706-08	3.986-05	1.326-05	1.157-19	1.776-05	1.651-22	2.541-07
.8	1.677-10	5.000-04	2.893-08	5.431-05	8.158-06	5.434-20	1.309-05	9.281-23	1.946-07
1.0	3.419-10	4.705-04	2.278-08	7.284-05	5.071-06	2.626-20	9.697-06	5.341-23	1.513-07
1.2	6.800-10	4.459-04	1.834-08	9.603-05	3.206-06	1.320-20	7.255-06	3.175-23	1.201-07
1.4	1.320-09	4.283-04	1.497-08	1.245-04	2.077-06	6.997-21	5.509-06	1.970-23	9.804-08
1.6	2.512-09	4.193-04	1.273-08	1.591-04	1.389-06	3.962-21	4.272-06	1.291-23	8.297-08
1.8	4.741-09	4.245-04	1.134-08	2.022-04	9.683-07	2.446-21	3.413-06	9.085-24	7.357-08
2.0	9.073-09	4.494-04	1.077-08	2.597-04	7.141-07	1.679-21	2.845-06	7.045-24	6.943-08
2.2	1.839-08	5.118-04	1.121-08	3.469-04	5.707-07	1.361-21	2.534-06	6.341-24	7.162-08

T= 8000

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	7.986-12	1.016-04	8.007-12	1.908-09	1.893-01	5.816-02	1.720-03	1.922-06	9.410-06
-6.8	4.989-12	1.061-04	6.069-12	1.151-09	2.393-01	7.220-02	2.040-03	2.766-06	9.895-06
-6.6	3.136-12	1.106-04	4.671-12	8.934-10	2.930-01	8.697-02	2.355-03	3.909-06	1.041-05
-6.4	1.982-12	1.149-04	3.631-12	7.024-10	3.482-01	1.016-01	2.658-03	5.428-06	1.096-05
-6.2	1.257-12	1.187-04	2.839-12	5.571-10	4.028-01	1.159-01	2.962-03	7.405-06	1.146-05
-6.0	7.994-13	1.217-04	2.224-12	4.442-10	4.552-01	1.294-01	3.282-03	9.931-06	1.194-05
-5.8	5.090-13	1.236-04	1.741-12	3.554-10	5.040-01	1.418-01	3.637-03	1.310-05	1.243-05
-5.6	3.243-13	1.243-04	1.357-12	2.847-10	5.482-01	1.529-01	3.644-03	1.700-05	1.284-05
-5.4	2.065-13	1.236-04	1.057-12	2.282-10	5.873-01	1.627-01	3.824-03	2.171-05	1.321-05
-5.2	1.315-13	1.216-04	8.093-13	1.828-10	6.214-01	1.711-01	3.978-03	2.736-05	1.356-05
-5.0	8.341-14	1.181-04	6.170-13	1.463-10	6.505-01	1.783-01	4.109-03	3.390-05	1.385-05
-4.8	5.312-14	1.133-04	4.656-13	1.170-10	6.751-01	1.843-01	4.218-03	4.120-05	1.409-05
-4.6	3.373-14	1.071-04	3.473-13	9.351-11	6.956-01	1.893-01	4.308-03	4.945-05	1.429-05
-4.4	2.139-14	9.923-05	2.559-13	7.468-11	7.125-01	1.934-01	4.382-03	5.842-05	1.445-05
-4.2	1.356-14	9.136-05	1.860-13	5.956-11	7.263-01	1.968-01	4.443-03	6.793-05	1.458-05
-4.0	8.594-15	8.321-05	1.334-13	4.748-11	7.375-01	1.996-01	4.493-03	7.776-05	1.468-05
-3.8	5.443-15	7.428-05	9.441-14	3.784-11	7.466-01	2.019-01	4.534-03	8.765-05	1.473-05
-3.6	3.447-15	6.537-05	6.591-14	3.014-11	7.533-01	2.037-01	4.569-03	9.734-05	1.480-05
-3.4	2.183-15	5.676-05	4.541-14	2.400-11	7.586-01	2.053-01	4.597-03	1.066-04	1.487-05
-3.2	1.382-15	4.866-05	3.091-14	1.912-11	7.622-01	2.066-01	4.622-03	1.152-04	1.493-05
-3.0	8.757-16	4.123-05	2.081-14	1.523-11	7.642-01	2.078-01	4.646-03	1.230-04	1.499-05
-2.8	5.550-16	3.457-05	1.386-14	1.213-11	7.646-01	2.090-01	4.670-03	1.300-04	1.505-05
-2.6	3.520-16	2.870-05	9.146-15	9.674-12	7.625-01	2.103-01	4.698-03	1.360-04	1.513-05
-2.4	2.234-16	2.362-05	5.980-15	7.729-12	7.576-01	2.119-01	4.733-03	1.412-04	1.524-05
-2.2	1.420-16	1.927-05	3.873-15	6.182-12	7.490-01	2.139-01	4.780-03	1.453-04	1.539-05
-2.0	9.022-17	1.557-05	2.441-15	4.953-12	7.354-01	2.166-01	4.843-03	1.484-04	1.558-05
-1.8	5.727-17	1.242-05	1.565-15	3.976-12	7.153-01	2.201-01	4.926-03	1.508-04	1.585-05
-1.6	3.622-17	9.741-06	9.862-16	3.192-12	6.880-01	2.243-01	5.043-03	1.530-04	1.621-05
-1.4	2.271-17	7.447-06	5.777-16	2.559-12	6.526-01	2.307-01	5.187-03	1.474-04	1.667-05
-1.2	1.404-17	5.491-06	3.301-16	2.041-12	6.094-01	2.376-01	5.361-03	1.455-04	1.723-05
-1.0	8.521-18	3.860-06	1.779-16	1.615-12	5.597-01	2.454-01	5.561-03	1.244-04	1.787-05
-.8	5.058-18	2.561-06	8.965-17	1.265-12	5.055-01	2.535-01	5.779-03	1.139-04	1.857-05
-.6	2.936-18	1.595-06	4.180-17	9.793-13	4.491-01	2.615-01	6.008-03	9.525-05	1.930-05
-.4	1.675-18	9.347-07	1.822-17	7.501-13	3.928-01	2.689-01	6.234-03	7.561-05	2.004-05
-.2	9.427-19	5.189-07	7.491-18	5.699-13	3.387-01	2.752-01	6.462-03	5.724-05	2.076-05
.0	5.268-19	2.763-07	2.950-18	4.298-13	2.883-01	2.800-01	6.677-03	4.167-05	2.145-05
.2	2.944-19	1.430-07	1.132-18	3.234-13	2.427-01	2.834-01	6.878-03	2.947-05	2.209-05
.4	1.657-19	7.279-08	4.299-19	2.434-13	2.023-01	2.853-01	7.065-03	2.043-05	2.269-05
.6	9.476-20	3.691-08	1.663-19	1.839-13	1.672-01	2.862-01	7.234-03	1.339-05	2.325-05
.8	5.550-20	1.882-08	6.406-20	1.400-13	1.372-01	2.764-01	7.402-03	9.526-06	2.378-05
1.0	3.363-20	9.749-09	2.589-20	1.078-13	1.118-01	2.666-01	7.559-03	6.680-06	2.428-05
1.2	2.133-20	5.174-09	1.095-20	8.434-14	9.067-02	2.576-01	7.709-03	4.617-06	2.474-05
1.4	1.434-20	2.837-09	4.945-21	6.725-14	7.309-02	2.434-01	7.857-03	3.024-06	2.524-05
1.6	1.039-20	1.620-09	2.415-21	5.485-14	5.854-02	2.262-01	8.007-03	2.079-06	2.572-05
1.8	8.281-21	9.717-10	1.300-21	4.589-14	4.651-02	2.060-01	8.158-03	1.433-06	2.620-05
2.0	7.494-21	6.189-10	7.930-22	3.952-14	3.654-02	1.834-01	8.312-03	9.859-07	2.670-05
2.2	8.188-21	4.263-10	5.773-22	3.531-14	2.823-02	1.586-01	8.469-03	6.714-07	2.720-05

T= 8000

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	3.754-01	3.18722+00	4.26448+01	4.5832C+01	1.08273+02	-5.02964+00	3.18756+00
-6.8	3.432-01	3.03096+00	3.91814+01	4.22123+01	1.03878+02	-4.85149+00	3.03131+00
-6.6	3.089-01	2.88046+00	3.58448+01	3.87252+01	9.91809+01	-4.67354+00	2.88041+00
-6.4	2.736-01	2.74120+00	3.27561+01	3.54973+01	9.47996+01	-4.49512+00	2.74154+00
-6.2	2.391-01	2.61640+00	2.99877+01	3.26041+01	9.07979+01	-4.31535+00	2.61673+00
-6.0	2.061-01	2.50740+00	2.75692+01	3.00766+01	8.71693+01	-4.13363+00	2.50771+00
-5.8	1.754-01	2.41410+00	2.54985+01	2.79126+01	8.39960+01	-3.95030+00	2.41439+00
-5.6	1.476-01	2.33549+00	2.37537+01	2.60892+01	8.11581+01	-3.75468+00	2.33576+00
-5.4	1.231-01	2.27008+00	2.23016+01	2.45717+01	7.86460+01	-3.57702+00	2.27032+00
-5.2	1.019-01	2.21617+00	2.11048+01	2.33210+01	7.64167+01	-3.38745+00	2.21633+00
-5.0	8.351-02	2.17208+00	2.01259+01	2.22975+01	7.44277+01	-3.19618+00	2.17228+00
-4.8	6.814-02	2.13622+00	1.93298+01	2.1466C+01	7.26399+01	-3.00341+00	2.13640+00
-4.6	5.533-02	2.10717+00	1.86853+01	2.07924+01	7.10186+01	-2.80936+00	2.10733+00
-4.4	4.474-02	2.08370+00	1.81649+01	2.02486+01	6.95334+01	-2.61422+00	2.08385+00
-4.2	3.606-02	2.06474+00	1.77453+01	1.98101+01	6.81581+01	-2.41819+00	2.06487+00
-4.0	2.899-02	2.04939+00	1.74067+01	1.94561+01	6.68730+01	-2.22143+00	2.04950+00
-3.8	2.326-02	2.03685+00	1.71323+01	1.91491+01	6.56577+01	-2.02410+00	2.03696+00
-3.6	1.863-02	2.02645+00	1.69073+01	1.88938+01	6.44973+01	-1.82632+00	2.02656+00
-3.4	1.490-02	2.01753+00	1.67190+01	1.8736E+01	6.33779+01	-1.62824+00	2.01761+00
-3.2	1.191-02	2.00945+00	1.65551+01	1.85646+01	6.22867+01	-1.42998+00	2.00953+00
-3.0	9.523-03	2.00151+00	1.64030+01	1.84045+01	6.12111+01	-1.23170+00	2.00158+00
-2.8	7.616-03	1.99288+00	1.62488+01	1.82417+01	6.01371+01	-1.03358+00	1.99293+00
-2.6	6.097-03	1.98248+00	1.60757+01	1.80582+01	5.90486+01	-8.35850-01	1.98252+00
-2.4	4.892-03	1.96897+00	1.58633+01	1.78323+01	5.79262+01	-6.38820-01	1.96900+00
-2.2	3.940-03	1.95069+00	1.55870+01	1.75377+01	5.67472+01	-4.42870-01	1.95072+00
-2.0	3.190-03	1.92564+00	1.52200+01	1.71455+01	5.54873+01	-2.48440-01	1.92585+00
-1.8	2.602-03	1.89274+00	1.47382+01	1.66316+01	5.41259+01	-5.59700-02	1.89273+00
-1.6	2.146-03	1.85048+00	1.41282+01	1.59787+01	5.26536+01	1.34230-01	1.85044+00
-1.4	1.792-03	1.79940+00	1.33947+01	1.5194C+01	5.10794+01	3.22070-01	1.79932+00
-1.2	1.520-03	1.74129+00	1.25634+01	1.43047+01	4.96327+01	5.07820-01	1.74114+00
-1.0	1.310-03	1.67906+00	1.16759+01	1.33569+01	4.77575+01	6.92010-01	1.67884+00
-.8	1.146-03	1.61594+00	1.07787+01	1.23947+01	4.61018+01	8.75370-01	1.61560+00
-.6	1.016-03	1.55484+00	9.91370+00	1.14683+01	4.45069+01	1.05953+00	1.55432+00
-.4	9.100-04	1.49788+00	9.11130+00	1.06092+01	4.30017+01	1.24242+00	1.49708+00
-.2	8.200-04	1.44632+00	8.38943+00	9.83575+00	4.16022+01	1.42721+00	1.44509+00
0	7.408-04	1.40063+00	7.75491+00	9.15555+00	4.03124+01	1.61327+00	1.39875+00
.2	6.690-04	1.36078+00	7.20639+00	8.56717+00	3.91283+01	1.80073+00	1.35789+00
.4	6.025-04	1.32440+00	6.73723+00	8.06362+00	3.80406+01	1.99062+00	1.32153+00
.6	5.399-04	1.29703+00	6.33794+00	7.63497+00	3.70374+01	2.17989+00	1.29017+00
.8	4.804-04	1.27233+00	5.99796+00	7.27029+00	3.61060+01	2.37154+00	1.26172+00
1.0	4.239-04	1.25222+00	5.70678+00	6.95900+00	3.52338+01	2.56662+00	1.23579+00
1.2	3.704-04	1.23714+00	5.45484+00	6.69197+00	3.44084+01	2.75935+00	1.21162+00
1.4	3.206-04	1.22829+00	5.23393+00	6.46222+00	3.36206+01	2.95625+00	1.19866+00
1.6	2.752-04	1.22807+00	5.03758+00	6.26565+00	3.28590+01	3.15617+00	1.18653+00
1.8	2.355-04	1.24054+00	4.86115+00	6.10169+00	3.21148+01	3.36056+00	1.18447+00
2.0	2.028-04	1.27229+00	4.70179+00	5.97408+00	3.13777+01	3.57153+00	1.18357+00
2.2	1.793-04	1.33364+00	4.55829+00	5.89176+00	3.06356+01	3.79144+00	1.19290+00

T= 8100

LOG C	N2	C2	NO	CO	SO2	NO2	N2O	N2+	O2+
-7.0	2.499-08	6.590-12	3.775-10	2.623-13	6.415-24	7.667-22	5.143-21	1.747-08	9.316-11
-6.8	6.280-08	1.110-11	9.303-10	7.279-13	3.401-23	3.609-21	2.468-20	3.152-08	1.617-10
-6.6	1.473-07	2.505-11	2.141-09	1.917-12	1.852-22	1.532-20	1.068-19	5.403-08	2.669-10
-6.4	3.245-07	5.328-11	4.634-09	4.812 12	7.423-22	5.935-20	4.211-19	8.835-08	4.212-10
-6.2	6.768-07	1.076-10	9.512-09	1.158-11	3.119-21	2.127-19	1.534-18	1.386-07	6.347-10
-6.0	1.346-06	2.081-10	1.869-08	2.683-11	1.237-20	7.141-19	5.222-18	2.095-07	9.401-10
-5.8	2.572-06	3.880-10	3.521-08	6.012-11	4.670-20	2.270-18	1.682-17	3.069-07	1.344-09
-5.6	4.749-06	7.020-10	6.435-08	1.308-10	1.690-19	6.900-18	5.160-17	4.376-07	1.878-09
-5.4	8.523-06	1.239-09	1.145-07	2.773-10	5.897-19	2.022-17	1.525-16	6.100-07	2.574-09
-5.2	1.494-05	2.141-09	1.993-07	5.738-10	1.993-18	5.748-17	4.365-16	8.344-07	3.472-09
-5.0	2.569-05	3.640-09	3.401-07	1.161-09	6.448-18	1.595-16	1.218-15	1.124-06	4.622-09
-4.8	4.348-05	6.103-09	5.741-07	2.302-09	2.096-17	4.340-16	3.330-15	1.494-06	6.097-09
-4.6	7.263-05	1.012-08	9.585-07	4.475-09	6.555-17	1.162-15	8.949-15	1.964-06	7.966-09
-4.4	1.201-04	1.663-08	1.575-06	8.535-09	2.005-16	3.071-15	2.373-14	2.561-06	1.030-08
-4.2	1.968-04	2.714-08	2.575-06	1.598-08	6.009-16	8.035-15	6.221-14	3.316-06	1.326-08
-4.0	3.203-04	4.402-08	4.185-06	2.939-08	1.763-15	2.085-14	1.617-13	4.269-06	1.703-08
-3.8	5.183-04	7.108-08	6.765-06	5.312-08	5.081-15	5.372-14	4.171-13	5.469-06	2.177-08
-3.6	8.346-04	1.143-07	1.089-05	9.465-08	1.439-14	1.377-13	1.069-12	6.977-06	2.775-08
-3.4	1.338-03	1.834-07	1.746-05	1.654-07	4.006-14	3.512-13	2.727-12	8.868-06	3.529-08
-3.2	2.137-03	2.936-07	2.792-05	2.854-07	1.099-13	8.926-13	6.923-12	1.123-05	4.480-08
-3.0	3.399-03	4.693-07	4.461-05	4.862-07	2.974-13	2.260-12	1.749-11	1.417-05	5.671-08
-2.8	5.380-03	7.494-07	7.077-05	8.186-07	7.949-13	5.705-12	4.394-11	1.780-05	7.199-08
-2.6	8.464-03	1.186-06	1.122-04	1.364-06	2.102-12	1.434-11	1.097-10	2.222-05	9.120-08
-2.4	1.321-02	1.911-06	1.770-04	2.252-06	5.503-12	3.592-11	2.715-10	2.751-05	1.156-07
-2.2	2.038-02	3.055-06	2.781-04	3.687-06	1.428-11	8.944-11	6.641-10	3.367-05	1.465-07
-2.0	3.097-02	4.896-06	4.[illegible]	5.[illegible]-06	3.674-11	2.212-10	1.599-09	4.052-05	1.860-07
-1.8	4.610-02	7.859-06	6.712-04	9.630-06	9.362-11	5.418-10	3.769-09	4.766-05	2.362-07
-1.6	6.683-02	1.270-05	1.027-03	1.532-05	2.357-10	1.312-09	8.649-09	5.441-05	3.001-07
-1.4	9.389-02	2.057-05	1.569-03	2.391-05	5.832-10	3.129-09	1.922-08	5.983-05	3.805-07
-1.2	1.274-01	3.342-05	2.395-03	3.663-05	1.408-09	7.342-09	4.119-08	6.299-05	4.800-07
-1.0	1.665-01	5.442-05	3.355-03	5.417-05	3.288-09	1.691-08	8.500-08	6.325-05	6.002-07
-.8	2.100-01	8.861-05	4.407-03	7.674 05	7.342-09	3.821-08	1.689-07	6.051-05	7.414-07
-.6	2.558-01	1.439-04	6.763-03	1.033-04	1.556-08	8.483-08	3.239-07	5.528-05	9.[illegible]-07
-.4	3.022-01	2.327-04	9.345-03	1.319-04	3.117-08	1.838-07	6.009-07	4.845-05	1.[illegible]-06
-.2	3.471-01	3.737-04	1.249-02	1.595-04	5.911-08	3.915-07	1.001-06	4.100-05	1.281-06
.0	3.894-01	5.948-04	1.696-02	1.844-04	1.068-07	8.181-07	1.894-06	3.374-05	1.496-06
.2	4.279-01	9.368-04	2.231-02	2.056-04	1.852-07	1.678-06	3.234-06	2.719-05	1.728-06
.4	4.620-01	1.454-03	2.890-02	2.228-04	3.110-07	3.300-06	5.408-06	2.160-05	1.976-06
.6	4.917-01	2.232-03	3.691-02	2.365-04	5.088-07	6.655-06	8.854-06	1.703-05	2.244-06
.8	5.171-01	3.364-03	4.646-02	2.475-04	8.150-07	1.299-05	1.422-05	1.343-05	2.535-06
1.0	5.385-01	4.976-03	5.763-02	2.564-04	1.283-06	2.479-05	2.240-05	1.065-05	2.855-06
1.2	5.564-01	7.202-03	7.045-02	2.636-04	1.948-06	4.658-05	3.646-05	8.578-06	3.218-06
1.4	5.714-01	1.018-02	8.491-02	2.696-04	3.038-06	8.642-05	5.264-05	7.069-06	3.645-06
1.6	5.841-01	1.402-02	1.005-01	2.746-04	4.586-06	1.594-04	7.850-05	6.024-06	4.176-06
1.8	5.950-01	1.880-02	1.172-01	2.788-04	6.854-06	2.954-04	1.149-04	5.376-06	4.888-06
2.0	6.047-01	2.451-02	1.345-01	2.823-04	1.017-05	5.615-04	1.650-04	5.118-06	5.939-06
2.2	6.135-01	3.108-02	1.518-01	2.824-04	1.508-05	1.127-03	2.325-04	5.355-06	7.701-06

T= 8100

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.547-24	1.173-07	9.[illegible]-13	9.184-10	3.143-01	7.815-11	7.7.5-02	2.264-14	1.335-03
-6.8	2.541-23	2.075-07	1.952-12	5.612-10	2.912-01	5.199-11	7.019-02	1.478-14	1.160-03
-6.6	7.852-23	3.690-07	3.757-12	9.403-10	2.656-01	3.466-11	6.281-02	9.664-15	9.958-04
-6.4	2.250-22	5.607-07	7.000-12	1.505-09	2.393-01	2.309-11	5.538-02	6.326-15	8.465-04
-6.2	6.046-22	8.653-07	1.268-11	2.316-09	2.106-01	1.535-11	4.816-02	4.137-15	7.136-04
-6.0	1.539-21	1.289-06	2.230-11	3.444-09	1.834-01	1.016-11	4.136-02	2.701-15	5.967-04
-5.8	3.742-21	1.947-06	3.832-11	4.973-09	1.576-01	6.696-12	3.510-02	1.758-15	4.955-04
-5.6	8.769-21	2.835-06	6.441-11	7.006-09	1.338-01	4.390-12	2.949-02	1.141-15	4.084-04
-5.4	1.993-20	3.642-06	1.060-10	9.670-09	1.123-01	2.864-12	2.455-02	7.380-16	3.354-04
-5.2	4.416-20	4.947-06	1.712-10	1.312-08	9.339-02	1.859-12	2.027-02	4.757-16	2.738-04
-5.0	9.589-20	6.623-06	2.714-10	1.755-08	7.704-02	1.201-12	1.663-02	3.057-16	2.225-04
-4.8	2.048-19	8.763-06	4.226-10	2.321-08	6.311-02	7.734-13	1.356-02	1.959-16	1.800-04
-4.6	4.316-19	1.148-05	6.467-10	3.041-08	5.141-02	4.963-13	1.100-02	1.252-16	1.452-04
-4.4	8.997-19	1.493-05	9.727-10	3.953-08	4.168-02	3.175-13	8.894-03	7.989-17	1.168-04
-4.2	1.859-18	1.929-05	1.439-09	5.106-08	3.365-02	2.026-13	7.165-03	5.087-17	9.376-05
-4.0	3.817-18	2.478-05	2.092-09	6.564-08	2.708-02	1.291-13	5.758-03	3.235-17	7.511-05
-3.8	7.791-18	3.171-05	2.994-09	8.405-08	2.174-02	8.209-14	4.616-03	2.055-17	6.008-05
-3.6	1.583-17	4.044-05	4.218 09	1.073-07	1.741-02	5.213-14	3.695-03	1.304-17	4.800-05
-3.4	3.238-17	5.142-05	5.854-09	1.366-07	1.392-02	3.306-14	2.95[illegible]-03	8.275-18	3.832-05
-3.2	6.481-17	6.520-05	8.013-09	1.737-07	1.110-02	2.094-14	2.350-03	5.249-18	3.057-05
-3.0	1.307-16	8.247-05	1.083-08	2.206-07	8.842-03	1.325-14	1.884-03	3.329-18	2.439-05
-2.8	2.635-16	1.040-04	1.447-08	2.800-07	7.027-03	8.367-15	1.504-03	2.111-18	1.946-05
-2.6	5.308-16	1.308-04	1.913-08	3.556-07	5.569-03	5.271-15	1.201-03	1.340-18	1.553 05
-2.4	1.070-15	1.639-04	2.506-08	4.521-07	4.398-03	3.309-15	9.592-04	8.507-19	1.241-05
-2.2	2.163-15	2.041-04	3.254-08	5.767-07	3.456-03	2.066-15	7.672-04	5.406-19	9.925-06
-2.0	4.386-15	2.523-04	4.184-08	7.373-07	2.695-03	1.279-15	6.145-04	3.438-19	7.955-06
-1.8	8.943-15	3.084-04	5.320-08	9.496-07	2.080-03	7.821-16	4.929 04	2.185-19	6.388-06
-1.6	1.838-14	3.714-04	6.662-08	1.233-06	1.583-03	4.699-16	3.956-04	1.385-19	5.135-06
-1.4	3.819- 4	4.385-04	8.160-08	1.619-06	1.182-03	2.755-16	3.171-04	8.718-20	4.126-06
-1.2	8.076-14	5.054-04	9.680-08	2.154-06	8.619-04	1.566-16	2.532-04	5.423-20	3.305-06
-1.0	1.711-13	5.663-04	1.099-07	2.904-06	6.118-04	8.577-17	2.006-04	3.315-20	2.629-06
-.8	3.694-13	6.156-04	1.182-07	3.984-06	4.220-04	4.913-17	1.572-04	1.982-20	2.072-06
-.6	8.064-13	6.493-04	1.193-07	5.526-06	2.828-04	2.283-17	1.216-04	1.158-20	1.615-06
-.4	1.774-12	6.658-04	1.129-07	7.738-06	1.846-04	1.115-17	9.291-05	6.616-21	1.245-06
-.2	3.912-12	6.660-04	1.007-07	1.089-05	1.179-04	5.296-18	7.016-05	3.714-21	9.514-07
.0	8.615-12	6.527-04	8.941-08	1.535-05	7.399-05	2.465-18	5.244-05	2.060-21	7.219-07
.2	1.885-11	6.294-04	6.982-05	2.157-05	4.586-05	1.139-18	3.892-05	1.135-21	5.460-07
.4	4.079-11	5.997-04	5.568-08	3.013-05	2.822-05	5.218-19	2.874-05	6.262-22	4.130-07
.6	8.701-11	5.671-04	4.382-08	4.167-05	1.734-05	2.416-19	2.119-05	3.479-22	3.138-07
.8	1.822-10	5.346-04	3.439-08	5.693-05	1.069-05	1.138-19	1.565-05	1.961-22	2.406-07
1.0	3.732-10	5.046-04	2.716-08	7.662-05	6.655-06	5.509-20	1.162-05	1.131-22	1.871-07
1.2	7.466-10	4.795-04	2.178-08	1.014-04	4.211-06	2.774-20	8.705-06	6.737-23	1.485-07
1.4	1.459-09	4.615-04	1.791-08	1.321-04	2.728-06	1.471-20	6.620-06	4.189-23	1.212-07
1.6	2.798-09	4.535-04	1.524-08	1.698-04	1.824-06	8.340-21	5.143-06	2.754-23	1.025-07
1.8	5.325-09	4.596-04	1.359-08	2.170-04	1.272-06	5.150-21	4.117-06	1.947-23	9.092-08
2.0	1.028-08	4.882-04	1.293-08	2.804-04	9.381-07	3.504-21	3.442-06	1.522-23	8.588-08
2.2	2.094-08	5.485-04	1.350-08	3.772-04	7.507-07	2.923-21	3.078-05	1.389-23	8.882-08

T= 01CC

LOG C	A**	C*	C**	NE*	N	O	A	C	NF
-7.0	1.369-11	9.898-05	1.161-11	2.099-09	1.618-01	5.067-02	1.512-03	1.A2[illegible]-06	6.144-04
-6.8	8.540-12	1.033-04	8.553-12	1.538-09	2.697-01	6.412-02	1.839-03	2.357-06	9.672-04
-6.6	5.340-12	1.078-04	6.526-12	1.142-09	2.604-01	7.856-02	2.19[illegible]-03	3.925-06	1.610-04
-6.4	3.382-12	1.122-04	5.061-12	9.232-10	3.144-01	9.326-02	2.642-03	4.720-06	1.663-04
-6.2	2.144-12	1.162-04	3.927-12	7.287-10	3.701-01	1.07[illegible]-01	2.76[illegible]-03	6.[illegible]32-06	1.[illegible]16-04
-6.0	1.363-12	1.196-04	3.072-12	5.794-10	4.241-01	1.219-01	3.037-03	8.432-06	1.147-04
-5.8	8.682-13	1.220-04	2.406-12	4.627-10	4.751-01	1.349-01	3.289-03	1.171-05	1.21[illegible]-04
-5.6	5.534-13	1.233-04	1.877-12	3.706-10	5.222-01	1.447-01	3.514-03	1.532-05	1.250-04
-5.4	3.528-13	1.233-04	1.458-12	2.954-10	5.664-01	1.573-01	3.712-03	1.973-05	1.3[illegible]-04
-5.2	2.248-13	1.219-04	1.125-12	2.379-10	6.[illegible]15-01	1.664-01	3.882-03	2.493-05	1.335-04
-5.0	1.431-13	1.192-04	8.67[illegible]-13	1.905-10	6.336-01	1.741-01	4.029-03	3.117-05	1.345-04
-4.8	9.099-14	1.147-04	6.522-13	1.525-10	6.[illegible]08-01	1.810-01	4.15[illegible]-03	3.[illegible]26-05	1.341-04
-4.6	5.782-14	1.091-04	4.897-13	1.21[illegible]-10	6.837-01	1.865-01	4.252-03	4.[illegible]22-05	1.312-04
-4.4	3.670-14	1.024-04	3.617-13	9.737-11	7.027-01	1.912-01	4.337-03	5.437-05	1.[illegible]37-04
-4.2	2.328-14	9.456-05	2.665-13	7.771-11	7.193-01	1.950-01	4.[illegible]06-03	6.[illegible]33-05	1.445-04
-4.0	1.476-14	8.621-05	1.956-13	6.198-11	7.[illegible]16-01	1.981-01	4.[illegible]63-03	7.[illegible]-05	1.[illegible]54-04
-3.8	9.355-15	7.[illegible]39-05	1.[illegible]55-13	4.941-11	7.412-01	2.006-01	4.509-03	9.[illegible]01-05	1.[illegible]66-04
-3.6	5.927-15	6.[illegible]56-05	9.567-14	3.937-11	7.[illegible]43-01	2.027-01	4.5[illegible]-03	1.[illegible]31-04	1.476-04
-3.4	3.755-15	5.973-05	6.582-14	3.13[illegible]-11	7.555-01	2.044-01	4.582-03	1.[illegible]33-04	1.443-04
-3.2	2.379-15	5.144-05	4.501-14	2.[illegible]8-11	7.[illegible]60-01	2.05[illegible]-01	4.[illegible]07-03	1.121-04	1.[illegible]-04
-3.0	1.507-15	4.[illegible]77-05	3.042-14	1.[illegible]90-11	7.[illegible]28-01	2.072-01	4.632-03	1.[illegible]23-04	1.[illegible]96-04
-2.8	9.[illegible]56-16	3.684-05	2.[illegible]35-14	1.586-11	7.[illegible]63-01	2.08[illegible]-01	4.[illegible]57-03	1.[illegible]78-04	1.[illegible]02-04
-2.6	6.[illegible]61-16	3.[illegible]70-05	1.[illegible]68-14	1.[illegible]65-11	7.[illegible]63-01	2.097-01	4.[illegible]04-03	1.[illegible]40-04	1.[illegible]59-04
-2.4	3.[illegible]49-16	2.[illegible]36-05	8.[illegible]48-15	1.[illegible]10-11	7.594-01	2.[illegible]11-01	4.[illegible]18-03	1.[illegible]46-04	1.[illegible]19-04
-2.2	2.447-16	2.[illegible]77-05	5.[illegible]57-15	8.[illegible]73-12	7.525-01	2.[illegible]23-01	4.[illegible]58-03	1.[illegible]43-04	1.[illegible]32-04
-2.0	1.[illegible]57-16	1.[illegible]85-05	3.[illegible]09-15	6.[illegible]67-12	7.[illegible]10-01	2.[illegible]53-01	4.[illegible]15-03	1.[illegible]75-04	1.[illegible]69-04
-1.8	9.[illegible]06-17	1.[illegible]53-05	2.[illegible]59-15	5.[illegible]91-12	7.[illegible]37-01	2.[illegible]86-01	4.[illegible]42-03	1.[illegible]99-04	1.[illegible]73-04
-1.6	6.[illegible]98-17	1.[illegible]70-05	1.[illegible]76-15	4.[illegible]72-12	6.[illegible]93-01	2.[illegible]24-01	4.[illegible]05-03	1.[illegible]36-04	1.[illegible]60A-04
-1.4	3.[illegible]68-17	8.[illegible]84-06	8.[illegible]65-16	3.[illegible]51-12	6.[illegible]67-01	2.[illegible]82-01	5.[illegible]12-03	1.[illegible]49-04	1.[illegible]48-04
-1.2	2.[illegible]77-17	6.[illegible]23-06	5.[illegible]45-16	2.[illegible]83-12	6.[illegible]26-01	2.[illegible]47-01	5.[illegible]31-03	1.[illegible]41-04	1.[illegible]-04
-1.0	1.[illegible]20-17	4.[illegible]78-06	2.[illegible]17-16	2.[illegible]34-12	5.[illegible]94-01	2.[illegible]21-01	5.[illegible]42-03	1.[illegible]35[illegible]-04	1.[illegible]62-04
-.8	9.[illegible]42-18	3.[illegible]53-06	1.[illegible]15-16	1.[illegible]82-12	5.[illegible]26-01	2.[illegible]01-01	5.[illegible]65-03	1.[illegible]21[illegible]-04	1.[illegible]-04
-.6	5.[illegible]79-18	1.[illegible]59-06	7.[illegible]34-17	1.[illegible]10-12	4.[illegible]78-01	2.[illegible]81-01	[illegible].921-03	1.[illegible]18[illegible]-04	[illegible].[illegible]92-05
-.4	3.[illegible]03-18	1.[illegible]80-06	3.[illegible]36-17	1.[illegible]01[illegible]-12	4.[illegible]42-01	2.[illegible]65-01	6.[illegible]52-03	8.[illegible]3[illegible]-05	1.[illegible]76-04
-.2	1.[illegible]63-18	6.[illegible]14-07	1.[illegible]99-17	7.[illegible]09-13	3.[illegible]91-01	2.[illegible]23-01	6.[illegible]38[illegible]-03	6.[illegible]12-05	2.[illegible]05[illegible]-04
.0	9.[illegible]29-19	3.[illegible]66[illegible]-07	5.[illegible]38-18	5.[illegible]63-13	3.[illegible]71-01	2.[illegible]75-01	6.[illegible]02-03	4.[illegible]21-05	2.[illegible]12[illegible]-04
.2	5.[illegible]81-19	1.[illegible]14-07	2.[illegible]70-18	4.[illegible]12-13	2.[illegible]96-01	2.[illegible]80[illegible]-01	6.[illegible]04-03	3.[illegible]52-05	2.[illegible]18[illegible]-04
.4	3.[illegible]55-19	9.[illegible]43-08	8.[illegible]40-19	3.[illegible]29-13	2.[illegible]71-01	2.[illegible]81[illegible]-01	7.[illegible]06-03	2.[illegible]15-05	2.[illegible]24-04
.6	1.[illegible]09-19	5.[illegible]26-08	3.[illegible]67-19	2.[illegible]52[illegible]-13	1.[illegible]80-01	2.[illegible]84-01	7.[illegible]43-03	1.[illegible]66-05	2.[illegible]37-04
.8	1.[illegible]41-19	2.[illegible]73-08	1.[illegible]76-19	1.[illegible]92[illegible]-13	1.[illegible]48[illegible]-01	2.[illegible]76[illegible]-01	7.[illegible]35[illegible]-03	1.[illegible]37-05	2.[illegible]42-04
1.0	6.[illegible]35-20	1.[illegible]35-08	5.[illegible]40-20	1.[illegible]79[illegible]-13	1.[illegible]21[illegible]-01	2.[illegible]67[illegible]-01	7.[illegible]51[illegible]-03	7.[illegible]5[illegible]-06	2.[illegible]43-04
1.2	4.[illegible]82-20	7.[illegible]87-09	2.[illegible]87-20	1.[illegible]57-13	9.[illegible]24-02	2.[illegible]58[illegible]-01	7.[illegible]66[illegible]-03	5.[illegible]49-06	2.[illegible]43-04
1.4	2.[illegible]46-20	3.[illegible]82-09	9.[illegible]88-21	9.[illegible]23-14	7.[illegible]29-02	2.[illegible]45[illegible]-01	7.[illegible]82[illegible]-03	3.[illegible]21-06	2.[illegible]12-04
1.6	1.[illegible]91-20	2.[illegible]13-09	4.[illegible]81[illegible]-21	7.[illegible]52[illegible]-14	6.[illegible]35[illegible]-02	2.[illegible]28[illegible]-01	7.[illegible]93-03	2.[illegible]48[illegible]-06	2.[illegible]81-04
1.8	1.[illegible]50[illegible]-20	1.[illegible]74[illegible]-09	2.[illegible]96[illegible]-21	8.[illegible]29[illegible]-14	5.[illegible]55[illegible]-02	2.[illegible]04[illegible]-01	8.[illegible]27-03	1.[illegible]13-06	2.[illegible]61[illegible]-04
2.0	1.[illegible]49-20	8.[illegible]40[illegible]-10	1.[illegible]59[illegible]-21	5.[illegible]25[illegible]-14	3.[illegible]75[illegible]-02	1.[illegible]62[illegible]-01	8.[illegible]28[illegible]-03	1.[illegible]77[illegible]-06	2.[illegible]61[illegible]-04
2.2	1.[illegible]99-20	5.[illegible]81[illegible]-10	1.[illegible]68[illegible]-21	4.[illegible]86[illegible]-14	3.[illegible]73[illegible]-02	1.[illegible]61[illegible]-01	8.[illegible]43-03	8.[illegible]05[illegible]-07	2.[illegible]12-04

T= 81CC

LOG C	F*	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	3.939-01	3.27979+00	4.42194+01	4.74992+01	1.10[illegible]+02	-5.01[illegible]+00	3.28016+00
-6.8	3.627-01	3.12355+00	4.07981+01	4.39216+01	1.05542+02	-4.[illegible]31[illegible]+00	3.12394+00
-6.6	3.295-01	2.96887+00	3.74035+01	4.03783+01	1.[illegible]12[illegible]+02	-4.65[illegible]+00	2.96922+00
-6.4	2.947-01	2.82242+00	3.42054+01	3.70222+01	9.[illegible]84[illegible]+01	-4.47[illegible]+00	2.82281+00
-6.2	2.596-01	2.68877+00	3.12708+01	3.39596+01	9.24[illegible]+01	-4.29[illegible]+00	2.68916+00
-6.0	2.255-01	2.57332+00	2.86739+01	3.12462+01	8.86532+01	-4.11767+00	2.57368+00
-5.8	1.[illegible]33-01	2.46777+00	2.66248+01	2.88926+01	8.52447+01	-3.93536+00	2.46810+00
-5.6	1.[illegible]39-01	2.38058+00	2.65124+01	2.[illegible]893[illegible]+01	8.27166+01	-3.75038+00	2.38092+00
-5.4	1.373-01	2.30752+00	2.24096+01	2.52171+01	7.95367+01	-3.[illegible]45[illegible]+00	2.30781+00
-5.2	1.141-01	2.24497+00	2.15812+01	2.38281+01	7.71580+01	-3.37604+00	2.24723+00
-5.0	9.401-02	2.19723+00	2.04659+01	2.26871+01	7.50439+01	-3.1957[illegible]+00	2.19764+00
-4.8	7.698-02	2.15665+00	1.95995+01	2.17561+01	7.31513+01	-2.99388+00	2.15687+00
-4.6	6.268-02	2.12370+00	1.88768+01	[illegible].10005+01	7.14433+01	-2.80057+00	2.12330+00
-4.4	5.081-02	2.09704+00	1.82923+01	2.03893+01	6.98872+01	-2.60605+00	2.09727+00
-4.2	4.103-02	2.07550+00	1.78206+01	1.98691+01	6.84655+01	-2.41[illegible]+00	2.07566+00
-4.0	3.303-02	2.05808+00	1.74402+01	1.94982+01	6.71229+01	-2.21[illegible]+00	2.05822+00
-3.8	2.653-02	2.04331+00	1.71324+01	1.91764+01	6.58707+01	-2.01720+00	2.04[illegible]+00
-3.6	2.127-02	2.03226+00	1.68817+01	1.89140+01	6.46815+01	-1.81[illegible]+00	2.03237+00
-3.4	1.703-02	2.02249+00	1.66741+01	1.86966+01	6.35404+01	-1.62179+00	2.02254+00
-3.2	1.362-02	2.01378+00	1.64971+01	1.85105+01	6.24340+01	-1.42365+00	2.01384+00
-3.0	1.[illegible]99-02	2.00562+00	1.63380+01	1.83436+01	6.13496+01	-1.225[illegible]+00	2.00570+00
-2.8	8.708-03	1.99715+00	[illegible].61835+01	1.81807+01	6.02732+01	-1.02725+00	1.99722+00
-2.6	6.969-03	1.98747+00	1.60180+01	1.80054+01	5.91902+01	-8.29380-01	1.98746+00
-2.4	5.586-03	1.97512+00	1.58227+01	1.77976+01	5.80873+01	-6.32070-01	1.97517+00
-2.2	4.491-03	1.95877+00	1.55744+01	1.75332+01	5.69281+01	-4.3[illegible]80-01	1.95881+00
-2.0	3.627-03	1.93856+00	1.52471+01	1.71837+01	5.57036+01	-2.47630-01	1.93859+00
-1.8	2.969-03	1.90670+00	1.48150+01	1.67217+01	5.43863+01	-4.73[illegible]0-02	1.90677+00
-1.6	2.419-03	1.86791+00	1.42597+01	1.61276+01	5.29615+01	1.43700-01	1.86798+00
-1.4	2.009-03	1.82001+00	1.35782+01	1.53982+01	5.14305+01	3.32410-01	1.82394+00
-1.2	1.691-03	1.76622+00	1.27881+01	1.45[illegible]23+01	4.98149+01	5.18490-01	1.76410+00
-1.0	1.447-03	1.70311+00	1.19256+01	1.36287[illegible]+01	4.81538+01	7.03580-01	1.70293+00
-.8	1.257-03	1.63987+00	1.10360+01	1.26758+01	4.64945+01	8.87150-01	1.63953+00
-.6	1.109-03	1.57761+00	1.01634+01	1.17410+01	4.48812+01	1.07034+00	1.57709+00
-.4	9.877-04	1.51978+00	9.36268+00	1.08[illegible]5+01	4.33477+01	1.25383+00	1.51747+00
-.2	8.872-04	1.46697+00	8.59816+00	1.00[illegible]1+01	.19144+01	1.43817+00	1.46873+00
.0	8.002-04	1.41693+00	7.93444+00	9.35141+00	-.05894+01	1.62369+00	1.41503+00
.2	7.223-04	1.37481+00	7.35894+00	8.73375+00	3.93714+01	1.81058+00	1.37190+00
.4	6.507-04	1.33834+00	6.86478+00	8.[illegible]3315+00	3.82527+01	1.99492+00	1.33349+00
.6	5.837-04	1.30723+00	6.44330+00	7.75[illegible]3+00	3.72222+01	2.18859+00	1.30032+00
.8	5.202-04	1.28103+00	6.08435+00	7.34536+00	3.62675+01	2.37[illegible]0+00	1.27036+00
1.0	4.600-04	1.25977+00	5.77743+00	7.03713+00	3.53758+01	2.57260+00	1.24317+00
1.2	4.029-04	1.24366+00	5.51274+00	6.75637+00	3.45349+01	2.7[illegible]703+00	1.21[illegible]2+00
1.4	3.496-04	1.23402+00	5.2[illegible]170+00	6.51572+00	3.37337+01	2.9[illegible]366+00	1.19626+00
1.6	3.010-04	1.23318+00	5.07740+00	6.31058+00	3.29617+01	3.[illegible]6336+00	1.17144+00
1.8	2.584-04	1.24514+00	4.89472+00	6.1398[illegible]+00	3.22[illegible]+01	3.36756+00	1.14925+00
2.0	2.234-04	1.27644+00	4.73[illegible]+00	6.[illegible]068[illegible]+00	3.14649+01	3.57834+00	1.12758+00
2.2	1.993-04	1.33721+00	4.58278+00	5.91[illegible]9+00	3.07169+01	3.79854+00	1.10[illegible]3+00

T= 02CC

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.550-08	3.251-12	2.939-10	1.619-13	3.241-24	4.363-22	2.763-21	1.364-08	7.757-11
-6.8	4.063-08	8.187-12	6.524-10	4.631-13	1.811-23	2.188-21	1.414-20	2.543-08	1.387-10
-6.6	9.916-08	1.918-11	1.560-09	1.255-12	9.224-23	9.832-21	6.485-20	4.490-08	2.351-10
-6.4	2.264-07	4.212-11	3.493-09	3.733-12	4.322-22	4.004-20	2.693-19	7.544-08	3.800-10
-6.2	4.873-07	8.744-11	7.384-09	7.556-12	1.882-21	1.497-19	1.026-18	1.212-07	5.848-10
-6.0	9.959-07	1.730-10	1.485-08	1.861-11	7.693-21	5.209-19	3.625-18	1.871-07	8.832-10
-5.8	1.967-06	3.289-10	2.882-08	4.269-11	2.680-20	1.705-18	1.203-17	2.791-07	1.277-09
-5.6	3.664-06	6.065-10	5.323-08	9.476-11	1.102-19	5.810-18	3.792-17	4.041-07	1.805-09
-5.4	6.603-06	1.081-09	9.613-08	2.035-10	3.917-19	1.567-17	1.145-16	5.704-07	2.499-09
-5.2	1.187-05	1.889-09	1.694-07	4.261-10	1.345-18	4.565-17	3.355-16	[illegible]-07	3.398-09
-5.0	2.066-05	3.235-09	2.924-07	8.715-10	4.479-18	1.288-16	9.431[illegible]	1.072-06	4.554-09
-4.8	3.524-05	5.469-09	4.968-07	1.744-09	1.451-17	3.566-16	2.610-15	1.435-06	6.032-09
-4.6	5.931-05	9.122-09	8.319-07	3.420-09	4.583-17	9.571-16	7.073-15	1.899-06	7.910-09
-4.4	9.862-05	1.506-08	1.379-06	6.575-09	1.417-16	2.347-15	1.831-14	2.489-06	1.029-08
-4.2	1.624-04	2.467-08	2.264-06	1.240-08	4.281-16	6.701-15	4.988-14	3.235-06	1.331-08
-4.0	2.654-04	4.014-08	3.692-06	2.298-08	1.267-15	1.746-14	1.303-13	4.178-06	1.711-08
-3.8	4.308-04	6.497-08	5.984-06	4.181-08	3.679-15	4.517-14	3.374-13	5.367-06	2.191-08
-3.6	6.956-04	1.047-07	9.654-06	7.450-08	1.049-14	1.161-13	8.679-13	6.863-06	2.778-08
-3.4	1.118-03	1.682-07	1.551-05	1.317-07	2.939-14	2.969-13	2.220-12	8.761-06	3.562-08
-3.2	1.789-03	2.696-07	2.484-05	2.285-07	8.108-14	7.560-13	5.649-12	1.109-05	4.527-08
-3.0	2.851-03	4.313-07	3.967-05	3.911-07	2.205-13	1.918-12	1.430-11	1.402-05	5.744-08
-2.8	4.523-03	6.831-07	6.315-05	6.613-07	5.920-13	4.848-12	3.603-11	1.765-05	7.262-08
-2.6	7.136-03	1.100-06	1.002-04	1.106-06	1.571-12	1.221-11	9.021-11	2.210-05	9.229-08
-2.4	1.118-02	1.757-06	1.585-04	1.832-06	4.129-12	3.064-11	2.241-10	2.747-05	1.170-07
-2.2	1.733-02	2.808-06	2.435-04	3.009-06	1.075-11	7.647-11	5.510-10	3.380-05	1.483-07
-2.0	2.650-02	4.496-06	3.904-04	4.900-06	2.775-11	1.896-10	1.336-09	4.096-05	1.882-07
-1.8	3.979-02	7.217-06	6.061-04	7.914-06	7.099-11	4.664-10	3.176-09	4.869-05	2.392-07
-1.6	5.810-02	1.163-05	9.312-04	1.265-05	1.796-10	1.134-09	7.366-09	5.631-05	3.040-07
-1.4	8.293-02	1.880-05	1.412-03	1.994-05	4.460-10	2.721-09	1.657-08	6.291-05	3.862-07
-1.2	1.140-01	3.051-05	2.110-03	3.081-05	1.094-09	6.425-09	3.602-08	6.743-05	4.887-07
-1.0	1.512-01	4.964-05	3.098-03	4.626-05	2.592-09	1.440-08	7.538-08	6.706-05	6.141-07
-.8	1.932-01	8.080-05	4.469-03	6.679-05	5.902-09	3.349-08	1.519-07	6.739-05	7.633-07
-.6	2.383-01	1.313-04	6.328-03	9.192-05	1.279-08	7.557-08	2.949-07	6.274-05	9.359-07
-.4	2.847-01	2.125-04	8.798-03	1.199-04	2.621-08	1.652-07	5.534-07	5.593-05	1.130-06
-.2	3.304-01	3.418-04	1.202-02	1.483-04	5.280-08	3.540-07	1.006-06	4.803-05	1.346-06
.0	3.738-01	5.452-04	1.614-02	1.746-04	9.349-08	7.442-07	1.778-06	4.000-05	1.580-06
.2	4.137-01	8.605-04	2.134-02	1.974-04	1.646-07	1.535-06	3.063-06	3.255-05	1.833-06
.4	4.495-01	1.342-03	2.777-02	2.163-04	2.796-07	3.107-06	5.155-06	2.606-05	2.106-06
.6	4.808-01	2.062-03	3.561-02	2.315-04	4.615-07	6.176-06	8.489-06	2.067-05	2.400-06
.8	5.078-01	3.119-03	4.498-02	2.436-04	7.443-07	1.205-05	1.370-05	1.637-05	2.720-06
1.0	5.307-01	4.629-03	5.600-02	2.534-04	1.178-06	2.312-05	2.170-05	1.303-05	3.074-06
1.2	5.498-01	6.727-03	6.869-02	2.613-04	1.833-06	4.367-05	3.371-05	1.051-05	3.476-06
1.4	5.659-01	9.550-03	8.296-02	2.678-04	2.813-06	8.144-05	5.142-05	8.677-06	3.952-06
1.6	5.795-01	1.322-02	9.864-02	2.732-04	4.264-06	1.510-04	7.697-05	7.402-06	4.564-06
1.8	5.912-01	1.781-02	1.154-01	2.776-04	6.396-06	2.815-04	1.131-04	6.613-06	5.349-06
2.0	6.014-01	2.335-02	1.329-01	2.807-04	9.532-06	5.361-04	1.630-04	6.305-06	6.538-06
2.2	6.107-01	2.978-02	1.506-01	2.822-04	1.419-05	1.087-03	2.304-04	6.618-06	8.545-06

T= 02CC

LOG E	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.131-24	8.822-08	7.357-13	2.832-10	3.266-01	1.297-10	8.077-02	4.171-14	1.458-03
-6.8	2.174-23	1.610-07	1.496-12	5.146-10	3.053-01	8.612-11	7.400-02	2.714-14	1.280-03
-6.6	7.042-23	2.785-07	2.933-12	8.866-10	2.811-01	5.733-11	6.675-02	1.772-14	1.109-03
-6.4	2.102-22	4.589-07	5.560-12	1.455-09	2.546-01	3.825-11	5.930-02	1.158-14	9.496-04
-6.2	5.867-22	7.240-07	1.022-11	2.288-09	2.271-01	2.547-11	5.194-02	7.575-15	8.053-04
-6.0	1.532-21	1.100-06	1.824-11	3.466-09	1.995-01	1.691-11	4.490-02	4.948-15	6.773-04
-5.8	3.817-21	1.618-06	3.174-11	5.085-09	1.727-01	1.117-11	3.834-02	3.225-15	5.653-04
-5.6	9.124-21	2.315-06	5.394-11	7.260-09	1.476-01	7.349-12	3.238-02	2.096-15	4.686-04
-5.4	2.109-20	3.236-06	8.969-11	1.013-08	1.247-01	4.809-12	2.708-02	1.358-15	3.859-04
-5.2	4.733-20	4.438-06	1.462-10	1.389-08	1.043-01	3.131-12	2.246-02	8.767-16	3.161-04
-5.0	1.039-19	5.689-06	2.336-10	1.871-08	8.643-02	2.029-12	1.849-02	5.643-16	2.576-04
-4.8	2.238-19	7.975-06	3.667-10	2.489-08	7.109-02	1.309-12	1.512-02	3.621-16	2.090-04
-4.6	4.751-19	1.051-05	5.654-10	3.277-08	5.810-02	8.417-13	1.230-02	2.318-16	1.690-04
-4.4	9.961-19	1.372-05	8.565-10	4.278-08	4.722-02	5.394-13	9.965-03	1.480-16	1.362-04
-4.2	2.068-18	1.778-05	1.275-09	5.546-08	3.822-02	3.448-13	8.043-03	9.436-17	1.094-04
-4.0	4.261-18	2.292-05	1.867-09	7.148-08	3.082-02	2.199-13	6.472-03	6.006-17	8.778-05
-3.8	8.723-18	2.940-05	2.689-09	9.173-08	2.478-02	1.400-13	5.195-03	3.818-17	7.028-05
-3.6	1.777-17	3.756-05	3.810-09	1.173-07	1.987-02	8.900-14	4.162-03	2.425-17	5.620-05
-3.4	3.607-17	4.783-05	5.316-09	1.496-07	1.590-02	5.650-14	3.330-03	1.539-17	4.489-05
-3.2	7.297-17	6.074-05	7.314-09	1.903-07	1.270-02	3.583-14	2.662-03	9.765-18	3.593-05
-3.0	1.473-16	7.693-05	9.930-09	2.419-07	1.012-02	2.269-14	2.126-03	6.195-18	2.859-05
-2.8	2.971-16	9.719-05	1.332-08	3.071-07	8.053-03	1.434-14	1.697-03	3.931-18	2.282-05
-2.6	5.987-16	1.224-04	1.769-08	3.900-07	6.392-03	9.050-15	1.355-03	2.495-18	1.821-05
-2.4	1.207-15	1.536-04	2.325-08	4.956-07	5.057-03	5.693-15	1.083-03	1.585-18	1.455-05
-2.2	2.436-15	1.919-04	3.029-08	6.309-07	3.983-03	3.565-15	8.658-04	1.008-18	1.164-05
-2.0	4.932-15	2.381-04	3.911-08	8.059-07	3.118-03	2.218-15	6.934-04	6.413-19	9.323-06
-1.8	1.003-14	2.925-04	5.000-08	1.035-06	2.418-03	1.365-15	5.562-04	4.082-19	7.486-06
-1.6	2.054-14	3.566-04	6.307-08	1.338-06	1.852-03	8.277-16	4.467-04	2.595-19	6.021-06
-1.4	4.244-14	4.325-04	7.810-08	1.748-06	1.395-03	4.913-16	3.587-04	1.662-19	4.845-06
-1.2	8.871-14	4.921-04	9.410-08	2.312-06	1.078-03	2.935-16	2.872-04	1.030-19	3.892-06
-1.0	1.898-13	5.582-04	1.091-07	3.101-06	7.387-04	1.581-16	2.286-04	6.361-20	3.110-06
-.8	4.029-13	6.147-04	1.203-07	4.219-06	5.150-04	8.479-17	1.802-04	3.850-20	2.465-06
-.6	8.746-13	6.567-04	1.249-07	5.817-06	3.502-04	4.371-17	1.404-04	2.278-20	1.934-06
-.4	1.915-12	6.814-04	1.215-07	8.106-06	2.313-04	2.172-17	1.079-04	1.318-20	1.500-06
-.2	4.212-12	6.888-04	1.113-07	1.137-05	1.492-04	1.047-17	8.195-05	7.478-21	1.152-06
.0	9.263-12	6.810-04	9.650-08	1.600-05	9.441-05	4.934-18	6.158-05	4.184-21	8.745-07
.2	2.027-11	6.615-04	8.023-08	2.248-05	5.891-05	2.294-18	4.589-05	2.323-21	6.668-07
.4	4.394-11	6.341-04	6.678-08	3.141-05	3.644-05	1.062-18	3.401-05	1.288-21	5.059-07
.6	9.395-11	6.026-04	5.543-08	4.353-05	2.247-05	4.943-19	2.515-05	7.185-22	3.851-07
.8	1.974-10	5.702-04	4.[illegible]	5.961-05	1.390-05	2.336-19	1.861-05	4.043-22	2.956-07
1.0	4.063-10	5.359-04	3.[illegible]	8.069-05	8.668-06	1.134-19	1.384-05	2.349-22	2.301-07
1.2	8.174-10	5.144-04	2.[illegible]	1.070-04	5.490-06	5.717-20	1.039-05	1.402-22	1.827-07
1.4	1.604-09	4.963-04	2.[illegible]	1.400-04	3.558-06	3.036-20	7.914-06	8.738-23	1.490-07
1.6	3.105-09	4.888-04	1.[illegible]	1.804-04	2.379-0	1.724-20	6.158-06	5.762-23	1.260-07
1.8	5.956-09	4.967-04	1.[illegible]	2.324-04	1.659-06	1.067-20	4.940-06	4.043-23	1.118-07
2.0	1.160-08	5.293-04	1.[illegible]	3.021-04	1.224-06	7.430-21	4.141-06	3.226-23	1.057-07
2.2	2.385-08	6.081-04	1.[illegible]	4.091-04	9.810-07	6.165-21	3.719-06	2.986-23	1.096-07

T= 8200

LOG E	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.314-11	9.661-05	1.626-11	2.761-09	1.371-01	4.340-02	1.315-03	1.3[illegible]-05	8.904-06
-6.8	1.443-11	1.008-04	1.203-11	2.054-09	1.804-01	5.651-02	1.625-03	2.005-06	9.329-06
-6.6	9.042-12	1.050-04	9.085-12	1.563-09	2.295-01	7.044-02	1.945-03	2.841-06	9.807-06
-6.4	5.699-12	1.096-04	6.979-12	1.210-09	2.826-01	8.595-02	2.264-03	4.095-06	1.032-05
-6.2	3.609-12	1.137-04	5.403-12	9.496-10	3.377-01	9.980-02	2.573-03	5.536-06	1.085-05
-6.0	2.294-12	1.173-04	4.215-12	7.520-10	3.926-01	1.142-01	2.864-03	7.144-06	1.137-05
-5.8	1.461-12	1.202-04	3.298-12	5.992-10	4.455-01	1.279-01	3.133-03	1.045-05	1.186-05
-5.6	9.319-13	1.226-04	2.574-12	4.791-10	4.951-01	1.403-01	3.375-03	1.379-05	1.231-05
-5.4	5.965-13	1.226-04	2.004-12	3.838-10	5.402-01	1.516-01	3.591-03	1.733-05	1.271-05
-5.2	3.791-13	1.218-04	1.550-12	3.076-10	5.803-01	1.615-01	3.779-03	2.105-05	1.305-05
-5.0	2.416-13	1.198-04	1.190-12	2.466-10	6.153-01	1.701-01	3.940-03	2.470-05	1.348-05
-4.8	1.538-13	1.159-04	9.049-13	1.973-10	6.454-01	1.774-01	4.076-03	3.548-05	1.376-05
-4.6	9.780-14	1.109-04	6.809-13	1.574-10	6.708-01	1.835-01	4.191-03	4.315-05	1.400-05
-4.4	6.214-14	1.046-04	5.066-13	1.262-10	6.920-01	1.887-01	4.286-03	5.165-05	1.420-05
-4.2	3.945-14	9.723-05	3.718-13	1.007-10	7.095-01	1.929-01	4.365-03	6.094-05	1.437-05
-4.0	2.503-14	8.906-05	2.694-13	8.038-11	7.238-01	1.964-01	4.429-03	7.050-05	1.451-05
-3.8	1.587-14	8.037-05	1.925-13	6.410-11	7.354-01	1.993-01	4.482-03	8.041-05	1.462-05
-3.6	1.006-14	7.149-05	1.357-13	5.109-11	7.447-01	2.016-01	4.525-03	9.030-05	1.471-05
-3.4	6.374-15	6.268-05	9.442-14	4.071-11	7.519-01	2.035-01	4.561-03	9.992-05	1.479-05
-3.2	4.040-15	5.423-05	6.685-14	3.243-11	7.573-01	2.051-01	4.591-03	1.090-04	1.486-05
-3.0	2.560-15	4.634-05	4.402-14	2.584-11	7.610-01	2.065-01	4.618-03	1.174-04	1.493-05
-2.8	1.624-15	3.916-05	2.956-14	2.059-11	7.630-01	2.078-01	4.644-03	1.251-04	1.499-05
-2.6	1.030-15	3.275-05	1.986-14	1.642-11	7.630-01	2.090-01	4.670-03	1.319-04	1.506-05
-2.4	6.544-16	2.714-05	1.295-14	1.310-11	7.607-01	2.104-01	4.701-03	1.376-04	1.515-05
-2.2	4.161-16	2.230-05	8.461-15	1.047-11	7.552-01	2.121-01	4.739-03	1.425-04	1.526-05
-2.0	2.650-16	1.817-05	5.478-15	8.388-12	7.456-01	2.143-01	4.790-03	1.465-04	1.542-05
-1.8	1.688-1	1.466-05	3.508-15	6.732-12	7.307-01	2.171-01	4.859-03	1.493-04	1.563-05
-1.6	1.075-16	1.169-05	2.213-15	5.413-12	7.092-01	2.210-01	4.952-03	1.508-04	1.593-05
-1.4	6.818-17	9.146-06	1.365-15	4.355-12	6.800-01	2.259-01	5.074-03	1.503-04	1.631-05
-1.2	4.288-17	6.973-06	8.150-16	3.497-12	6.427-01	2.320-01	5.226-03	1.469-04	1.680-05
-1.0	2.659-17	5.121-06	4.645-16	2.794-12	5.978-01	2.390-01	5.408-03	1.397-04	1.738-05
-.8	1.619-17	3.581-06	2.494-16	2.214-12	5.469-01	2.468-01	5.613-03	1.279-04	1.804-05
-.6	9.646-18	2.362-06	1.250-16	1.736-12	4.919-01	2.548-01	5.836-03	1.114-04	1.875-05
-.4	5.631-18	1.464-06	5.828-17	1.346-12	4.354-01	2.625-01	6.067-03	9.286-05	1.949-05
-.2	3.233-18	8.543-07	2.543-17	1.033-12	3.795-01	2.693-01	6.298-03	7.325-05	2.023-05
.0	1.836-18	4.739-07	1.050-17	7.868-13	3.262-01	2.749-01	6.522-03	5.520-05	2.095-05
.2	1.039-18	2.529-07	4.178-18	5.963-13	2.769-01	2.786-01	6.736-03	4.008-05	2.164-05
.4	5.901-19	1.317-07	1.629-18	4.512-13	2.325-01	2.803-01	6.937-03	2.832-05	2.228-05
.6	3.394-19	6.773-08	6.329-19	3.422-13	1.933-01	2.796-01	7.124-03	1.965-05	2.289-05
.8	1.995-19	3.484-08	2.493-19	2.611-13	1.594-01	2.758-01	7.300-03	1.350-05	2.345-05
1.0	1.211-19	1.812-08	1.011-19	2.013-13	1.305-01	2.692-01	7.467-03	9.224-06	2.398-05
1.2	7.687-20	9.626-09	4.290-20	1.574-13	1.062-01	2.595-01	7.627-03	6.302-06	2.450-05
1.4	5.172-20	5.270-09	1.936-20	1.255-13	8.584-02	2.464-01	7.783-03	4.315-06	2.500-05
1.6	3.753-20	3.002-09	9.450-21	1.023-13	6.890-02	2.302-01	7.939-03	2.953-06	2.550-05
1.8	3.005-20	1.796-09	5.097-21	8.562-14	5.484-02	2.109-01	8.096-03	2.039-06	2.600-05
2.0	2.749-20	1.143-09	3.132-21	7.369-14	4.315-02	1.889-01	8.255-03	1.399-06	2.651-05
2.2	3.073-20	7.887-10	2.326-21	6.637-14	3.338-02	1.644-01	8.417-03	9.507-07	2.704-05

T= 8200

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.089-01	3.36790+00	4.56611+01	4.90296+01	1.12881+02	-4.99497+00	3.36831+00
-6.8	3.807-01	3.21450+00	4.23416+01	4.55551+01	1.08045+02	-4.81522+00	3.21493+00
-6.6	3.490-01	3.05801+00	3.89542+01	4.20122+01	1.03214+02	-4.63683+00	3.05845+00
-6.4	3.150-01	2.90611+00	3.56650+01	3.85711+01	9.85516+01	-4.45902+00	2.90656+00
-6.2	2.800-01	2.76463+00	3.26004+01	3.53650+01	9.41818+01	-4.28069+00	2.76507+00
-6.0	2.452-01	2.63719+00	2.98391+01	3.24763+01	9.01773+01	-4.10119+00	2.63761+00
-5.8	2.118-01	2.52542+00	2.74166+01	2.99420+01	8.65667+01	-3.92000+00	2.52582+00
-5.6	1.806-01	2.42943+00	2.53357+01	2.77651+01	8.33455+01	-3.73683+00	2.42980+00
-5.4	1.523-01	2.34835+00	2.35776+01	2.59260+01	8.04878+01	-3.55157+00	2.34869+00
-5.2	1.272-01	2.28074+00	2.21114+01	2.43922+01	7.79563+01	-3.36426+00	2.29105+00
-5.0	1.053-01	2.22493+00	2.09011+01	2.31260+01	7.57089+01	-3.17502+00	2.22521+00
-4.8	8.654-02	2.17892+00	1.99097+01	2.20889+01	7.37039+01	-2.98403+00	2.17948+00
-4.6	7.069-02	2.14200+00	1.91027+01	2.12447+01	7.19022+01	-2.79151+00	2.14224+00
-4.4	5.745-02	2.11183+00	1.84687+01	2.05605+01	7.02690+01	-2.59767+00	2.11204+00
-4.2	4.649-02	2.08743+00	1.79203+01	2.00077+01	6.87739+01	-2.40272+00	2.08752+00
-4.0	3.749-02	2.06771+00	1.74939+01	1.95616+01	6.73909+01	-2.20684+00	2.06788+00
-3.8	3.016-02	2.05171+00	1.71495+01	1.92012+01	6.60981+01	-2.01022+00	2.05187+00
-3.6	2.420-02	2.03864+00	1.68899+01	1.89086+01	6.48768+01	-1.81299+00	2.03877+00
-3.4	1.939-02	2.02775+00	1.66404+01	1.86682+01	6.37110+01	-1.61532+00	2.02787+00
-3.2	1.552-02	2.01837+00	1.64476+01	1.84659+01	6.25866+01	-1.41733+00	2.01848+00
-3.0	1.241-02	2.00982+00	1.62788+01	1.82886+01	6.14903+01	-1.21918+00	2.00991+00
-2.8	9.927-03	2.00133+00	1.61209+01	1.81223+01	6.04088+01	-1.02101+00	2.00142+00
-2.6	7.942-03	1.99200+00	1.59593+01	1.79513+01	5.93277+01	-8.23040-01	1.99207+00
-2.4	6.362-03	1.98068+00	1.57764+01	1.77571+01	5.82300+01	-6.25520-01	1.98074+00
-2.2	5.108-03	1.96594+00	1.55509+01	1.75168+01	5.70955+01	-4.28760-01	1.96599+00
-2.0	4.117-03	1.94604+00	1.52576+01	1.72036+01	5.59012+01	-2.33180-01	1.94607+00
-1.8	3.337-03	1.91915+00	1.48702+01	1.67893+01	5.46235+01	-3.92200-02	1.91916+00
-1.6	2.727-03	1.88373+00	1.43666+01	1.62503+01	5.32440+01	1.52690-01	1.88370+00
-1.4	2.252-03	1.83910+00	1.37373+01	1.55764+01	5.17572+01	3.42270-01	1.83903+00
-1.2	1.884-03	1.78596+00	1.29919+01	1.47778+01	5.01768+01	5.29540-01	1.78583+00
-1.0	1.600-03	1.72641+00	1.21599+01	1.38862+01	4.85358+01	7.14810-01	1.72622+00
-.8	1.381-03	1.66350+00	1.12838+01	1.29473+01	4.68792+01	8.98690-01	1.66316+00
-.6	1.210-03	1.60045+00	1.04091+01	1.20096+01	4.52530+01	1.08191+00	1.59992+00
-.4	1.073-03	1.54001+00	9.57410+00	1.11141+01	4.36951+01	1.26519+00	1.53920+00
-.2	9.601-04	1.48410+00	8.80560+00	1.02897+01	4.22305+01	1.44913+00	1.48284+00
.0	8.640-04	1.43377+00	8.11822+00	9.55198+00	4.08715+01	1.63415+00	1.43195+00
.2	7.792-04	1.38938+00	7.51634+00	8.90572+00	3.96198+01	1.82049+00	1.38744+00
.4	7.020-04	1.35085+00	6.99708+00	8.34793+00	3.84698+01	2.00828+00	1.34633+00
.6	6.302-04	1.31786+00	6.55305+00	7.87090+00	3.74115+01	2.19754+00	1.31090+00
.8	5.625-04	1.29009+00	6.17457+00	7.46466+00	3.64327+01	2.38829+00	1.27935+00
1.0	4.983-04	1.26746+00	5.85128+00	7.11873+00	3.55208+01	2.58060+00	1.25085+00
1.2	4.375-04	1.25035+00	5.57319+00	6.82354+00	3.46632+01	2.77470+00	1.22642+00
1.4	3.806-04	1.23990+00	5.33143+00	6.57132+00	3.38483+01	2.97105+00	1.20001+00
1.6	3.287-04	1.23639+00	5.11865+00	6.35704+00	3.30653+01	3.17052+00	1.17648+00
1.8	2.830-04	1.24981+00	4.92926+00	6.17605+00	3.23037+01	3.37451+00	1.15371+00
2.0	2.455-04	1.28061+00	4.75961+00	6.04024+00	3.15523+01	3.58509+00	1.13147+00
2.2	2.189-04	1.34094+00	4.60771+00	5.94865+00	3.07981+01	3.80508+00	1.10962+00

T= 8300

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.447-09	2.268-12	1.682-10	9.919-10	1.615-24	2.426-22	1.451-21	1.055-08	6.384-11
-6.8	2.595-08	5.952-12	4.508-10	2.925-13	9.516-24	1.297-21	7.921-21	2.027-08	1.177-10
-6.6	6.595-08	1.449-11	1.121-09	8.130-13	5.095-23	6.187-21	3.860-20	3.668-08	2.051-10
-6.4	1.563-07	3.292-11	2.602-09	2.166-12	2.494-22	2.655-20	1.613-19	6.373-08	3.396-10
-6.2	3.478-07	7.038-11	5.674-09	5.455-12	1.128-21	1.040-19	6.758-19	1.059-07	5.379-10
-6.0	7.314-07	1.428-10	1.172-08	1.317-11	4.766-21	3.757-19	2.487-18	1.656-07	8.190-10
-5.8	1.465-06	2.771-10	2.311-08	3.098-11	1.897-20	1.270-18	8.541-18	2.520-07	1.206-09
-5.6	2.816-06	5.181-10	4.381-08	6.866-11	7.182-20	4.060-18	2.768-17	3.710-07	1.728-09
-5.4	5.229-06	9.396-10	8.038-08	1.495-10	2.604-19	1.270-17	8.552-17	5.312-07	2.417-09
-5.2	9.422-06	1.661-09	1.435-07	3.169-10	9.091-19	3.666-17	2.540-16	7.432-07	3.317-09
-5.0	1.658-05	2.876-09	2.504-07	6.592-10	3.072-18	1.040-16	7.301-16	1.029-06	4.478-09
-4.8	2.850-05	4.895-09	4.296-07	1.324-09	1.000-17	2.892-16	2.046-15	1.376-06	5.967-09
-4.6	4.849-05	8.217-09	7.240-07	2.620-09	3.222-17	7.885-16	5.602-15	1.833-06	7.884-09
-4.4	8.116-05	1.366-08	1.207-06	5.086-09	1.005-16	2.115-15	1.509-14	2.415-06	1.027-08
-4.2	1.344-04	2.243-08	1.991-06	9.857-09	3.064-16	5.597-15	4.007-14	3.153-06	1.332-08
-4.0	2.205-04	3.662-08	3.259-06	1.902-08	9.151-16	1.465-14	1.062-13	4.027-06	1.718-08
-3.8	3.592-04	5.943-08	5.293-06	3.304-08	2.677-15	3.806-14	2.737-13	5.266-06	2.235-08
-3.6	5.817-04	9.600-08	8.571-06	5.734-08	7.685-15	9.814-14	7.066-13	6.758-06	2.870-08
-3.4	9.372-04	1.545-07	1.380-05	1.053-07	2.168-14	2.516-13	1.813-12	8.617-06	3.595-08
-3.2	1.503-03	2.479-07	2.214-05	1.836-07	6.014-14	6.421-13	4.625-12	1.096-05	4.574-08
-3.0	2.401-03	3.969-07	3.540-05	3.159-07	1.644-13	1.632-12	1.174-11	1.380-05	5.809-08
-2.8	3.817-03	6.346-07	5.644-05	5.362-07	4.434-13	4.133-12	2.964-11	1.751-05	7.369-08
-2.6	6.036-03	1.014-06	8.971-05	9.002-07	1.182-12	1.043-11	7.442-11	2.188-05	9.342-08
-2.4	9.484-03	1.619-06	1.421-04	1.496-06	3.116-12	2.621-11	1.855-10	2.741-05	1.184-07
-2.2	1.477-02	2.596-06	2.241-04	2.465-06	8.140-12	6.556-11	4.582-10	3.388-05	1.502-07
-2.0	2.272-02	4.138-06	3.516-04	4.026-06	2.108-11	1.630-10	1.117-09	4.133-05	1.906-07
-1.8	3.436-02	6.635-06	5.476-04	6.525-06	5.412-11	4.023-10	2.677-09	4.954-05	2.422-07
-1.6	5.083-02	1.067-05	8.468-04	1.049-05	1.376-10	9.825-10	6.270-09	5.795-05	3.080-07
-1.4	7.314-02	1.723-05	1.280-03	1.662-05	3.452-10	2.370-09	1.427-08	6.568-05	3.917-07
-1.2	1.019-01	2.793-05	1.934-03	2.591-05	8.509-10	5.628-09	3.143-08	7.163-05	4.971-07
-1.0	1.369-01	4.538-05	2.859-03	3.937-05	2.043-09	1.313-08	6.668-08	7.472-05	6.271-07
-.8	1.773-01	7.384-05	4.149-03	5.785-05	4.732-09	3.008-08	1.362-07	7.434-05	7.838-07
-.6	2.215-01	1.200-04	5.913-03	8.127-05	1.067-08	6.751-08	2.679-07	7.052-05	9.673-07
-.4	2.676-01	1.944-04	8.273-03	1.084-04	2.194-08	1.485-07	5.086-07	6.397-05	1.176-06
-.2	3.137-01	3.132-04	1.137-02	1.369-04	4.346-08	3.203-07	9.346-07	5.577-05	1.409-06
.0	3.581-01	5.004-04	1.535-02	1.666-04	8.157-08	6.772-07	1.667-06	4.704-05	1.664-06
.2	3.994-01	7.917-04	2.039-02	1.958-04	1.460-07	1.404-06	2.895-06	3.864-05	1.941-06
.4	4.367-01	1.238-03	2.666-02	2.243-04	2.511-07	2.858-06	4.906-06	3.122-05	2.240-06
.6	4.697-01	1.908-03	3.432-02	2.520-04	4.185-07	5.709-06	8.129-06	2.493-05	2.563-06
.8	4.982-01	2.894-03	4.352-02	2.784-04	6.799-07	1.120-05	1.319-05	1.984-05	2.915-06
1.0	5.225-01	4.311-03	5.438-02	2.501-04	1.082-06	2.158-05	2.099-05	1.585-05	3.306-06
1.2	5.430-01	6.289-03	6.692-02	2.508-04	1.693-06	4.098-05	3.277-05	1.282-05	3.751-06
1.4	5.602-01	8.966-03	8.110-02	2.659-04	2.609-06	7.678-05	5.018-05	1.060-05	4.280-06
1.6	5.748-01	1.247-02	9.674-02	2.718-04	3.969-06	1.431-04	7.542-05	9.050-06	4.945-06
1.8	5.872-01	1.689-02	1.136-01	2.765-04	5.976-06	2.683-04	1.112-04	8.095-06	5.845-06
2.0	5.980-01	2.226-02	1.312-01	2.800-04	8.941-06	5.158-04	1.609-04	7.732-06	7.187-06
2.2	6.078-01	2.854-02	1.490-01	2.820-04	1.336-05	1.048-03	2.202-04	8.142-06	9.467-06

T= 8300

LOG C	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	4.858-24	6.564-08	5.504-13	2.482-10	3.373-01	2.130-10	8.601-02	7.590-14	1.577-03
-6.8	1.610-23	1.235-07	1.142-12	4.651-10	3.181-01	1.410-10	7.760-02	4.924-14	1.400-03
-6.6	6.176-23	2.200-07	2.282-12	8.249-10	2.955-01	9.384-11	7.056-02	3.206-14	1.224-03
-6.4	1.925-22	3.722-07	4.403-12	1.390-09	2.702-01	6.257-11	6.317-02	2.093-14	1.057-03
-6.2	5.550-22	6.011-07	8.219-12	2.236-09	2.432-01	4.171-11	5.572-02	1.368-14	9.024-04
-6.0	1.503-21	9.319-07	1.489-11	3.454-09	2.154-01	2.775-11	4.849-02	8.936-15	7.636-04
-5.8	3.843-21	1.395-06	2.625-11	5.154-09	1.881-01	1.839-11	4.166-02	5.828-15	6.408-04
-5.6	9.387-21	2.025-06	4.512-11	7.465-09	1.619-01	1.213-11	3.538-02	3.792-15	5.337-04
-5.4	2.209-20	2.866-06	7.582-11	1.054-08	1.377-01	7.962-12	2.974-02	2.460-15	4.414-04
-5.2	5.030-20	3.971-06	1.247-10	1.459-08	1.158-01	5.199-12	2.477-02	1.591-15	3.629-04
-5.0	1.119-19	5.404-06	2.011-10	1.983-08	9.643-02	3.378-12	2.047-02	1.026-15	2.967-04
-4.8	2.430-19	7.248-06	3.182-10	2.656-08	7.967-02	2.185-12	1.680-02	6.592-16	2.414-04
-4.6	5.199-19	9.603-06	4.944-10	3.517-08	6.534-02	1.408-12	1.370-02	4.225-16	1.956-04
-4.4	1.097-18	1.260-05	7.544-10	4.612-08	5.327-02	9.041-13	1.112-02	2.702-16	1.580-04
-4.2	2.289-18	1.639-05	1.131-09	6.001-08	4.322-02	5.789-13	8.996-03	1.724-16	1.272-04
-4.0	4.735-18	2.119-05	1.667-09	7.758-08	3.492-02	3.697-13	7.250-03	1.098-16	1.021-04
-3.8	9.726-18	2.725-05	2.415-09	9.979-08	2.812-02	2.357-13	5.827-03	6.987-17	8.187-05
-3.6	1.987-17	3.489-05	3.442-09	1.278-07	2.258-02	1.500-13	4.674-03	4.440-17	6.552-05
-3.4	4.040-17	4.452-05	4.830-09	1.633-07	1.809-02	9.529-14	3.742-03	2.820-17	5.238-05
-3.2	8.187-17	5.662-05	6.679-09	2.080-07	1.447-02	6.047-14	2.993-03	1.790-17	4.183-05
-3.0	1.655-16	7.181-05	9.111-09	2.646-07	1.154-02	3.833-14	2.391-03	1.136-17	3.339-05
-2.8	3.340-16	9.084-05	1.228-08	3.361-07	9.195-03	2.426-14	1.910-03	7.211-18	2.665-05
-2.6	6.733-16	1.146-04	1.636-08	4.268-07	7.307-03	1.533-14	1.525-03	4.579-18	2.127-05
-2.4	1.357-15	1.441-04	2.158-08	5.422-07	5.790-03	9.661-15	1.219-03	2.909-18	1.699-05
-2.2	2.738-15	1.804-04	2.821-08	6.898-07	4.571-03	6.066-15	9.744-04	1.850-18	1.359-05
-2.0	5.536-15	2.245-04	3.656-08	8.799-07	3.588-03	3.787-15	7.802-04	1.178-18	1.089-05
-1.8	1.123-14	2.770-04	4.695-08	1.127-06	2.795-03	2.344-15	6.257-04	7.509-19	8.739-06
-1.6	2.293-14	3.379-04	5.960-08	1.453-06	2.153-03	1.432-15	5.027-04	4.784-19	7.030-06
-1.4	4.718-14	4.057-04	7.447-08	1.890-06	1.634-03	8.593-16	4.041-04	3.040-19	5.662-06
-1.2	9.808-14	4.772-04	9.091-08	2.485-06	1.216-03	5.028-16	3.243-04	1.919-19	4.558-06
-1.0	2.064-13	5.475-04	1.073-07	3.311-06	8.835-04	2.850-16	2.591-04	1.196-19	3.656-06
-.8	4.399-13	6.104-04	1.211-07	4.475-06	6.247-04	1.557-16	2.054-04	7.324-20	2.913-06
-.6	9.493-13	6.604-04	1.291-07	6.133-06	4.292-04	8.178-17	1.610-04	4.388-20	2.298-06
-.4	2.069-12	6.936-04	1.293-07	8.502-06	2.869-04	4.137-17	1.246-04	2.570-20	1.794-06
-.2	4.534-12	7.088-04	1.215-07	1.188-05	1.870-04	2.025-17	9.517-05	1.475-20	1.386-06
.0	9.955-12	7.073-04	1.078-07	1.668-05	1.194-04	9.669-16	7.190-05	8.331-21	1.062-06
.2	2.177-11	6.924-04	9.130-08	2.342-05	7.502-05	4.542-18	5.383-05	4.660-21	8.095-07
.4	4.725-11	6.679-04	7.475-08	3.274-05	4.668-05	2.119-18	4.005-05	2.600-21	6.160-07
.6	1.013-10	6.380-04	5.994-08	4.542-05	2.891-05	9.922-19	2.970-05	1.457-21	4.700-07
.8	2.135-10	6.062-04	4.764-08	6.235-05	1.793-05	4.709-19	2.204-05	8.269-22	3.613-07
1.0	4.412-10	5.760-04	3.794-08	8.444-05	1.121-05	2.292-19	1.642-05	4.794-22	2.814-07
1.2	8.923-10	5.503-04	3.059-08	1.127-04	7.108-06	1.158-19	1.235-05	2.868-22	2.235-07
1.4	1.766-09	5.323-04	2.522-08	1.480-04	4.609-06	6.157-20	9.421-06	1.792-22	1.823-07
1.6	3.435-09	5.255-04	2.151-08	1.921-04	3.092-06	3.502-20	7.343-06	1.185-22	1.542-07
1.8	6.640-09	5.354-04	1.924-08	2.483-04	2.150-06	2.175-20	5.902-06	8.459-23	1.368-07
2.0	1.304-08	5.723-04	1.837-08	3.247-04	1.587-06	1.523-20	4.962-06	6.719-23	1.294-07
2.2	2.707-08	6.605-04	1.934-08	4.429-04	1.274-06	1.278-20	4.474-06	6.308-23	1.345-07

T= 8300

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	3.859-11	9.448-05	2.316-11	3.742-09	1.153-01	3.758-02	1.130-03	1.150-06	8.690-06
-6.8	2.404-11	9.821-05	1.691-11	2.746-09	1.548-01	4.944-02	1.428-03	1.702-06	9.081-06
-6.6	1.506-11	1.026-04	1.262-11	2.064-09	2.008-01	6.277-02	1.744-03	2.478-06	9.531-06
-6.4	9.479-12	1.068-04	9.598-12	1.583-09	2.918-01	7.708-02	2.065-03	3.545-06	1.003-05
-6.2	5.698-12	1.111-04	7.396-12	1.233-09	3.060-01	9.182-02	2.382-03	4.980-06	1.055-05
-6.0	3.810-12	1.150-04	5.749-12	9.720-10	3.612-01	1.064-01	2.685-03	6.869-06	1.104-05
-5.8	2.429-12	1.182-04	4.498-12	7.721-10	4.155-01	1.205-01	2.969-03	9.306-06	1.159-05
-5.6	1.549-12	1.209-04	3.505-12	6.164-10	4.671-01	1.336-01	3.229-03	1.239-05	1.208-05
-5.4	9.888-13	1.217-04	2.731-12	4.933-10	5.169-01	1.456-01	3.462-03	1.621-05	1.256-05
-5.2	6.311-13	1.219-04	2.118-12	3.953-10	5.579-01	1.562-01	3.667-03	2.085-05	1.294-05
-5.0	4.026-13	1.199-04	1.630-12	3.168-10	5.957-01	1.655-01	3.864-03	2.639-05	1.330-05
-4.8	2.565-13	1.169-04	1.244-12	2.537-10	6.287-01	1.735-01	3.995-03	3.285-05	1.361-05
-4.6	1.633-13	1.124-04	9.400-13	2.031-10	6.537-01	1.803-01	4.124-03	4.023-05	1.387-05
-4.4	1.039-13	1.076-04	7.020-13	1.624-10	6.803-01	1.860-01	4.230-03	4.848-05	1.409-05
-4.2	6.598-14	9.961-05	5.179-13	1.298-10	6.998-01	1.907-01	4.319-03	5.768-05	1.428-05
-4.0	4.189-14	9.174-05	3.770-13	1.036-10	7.159-01	1.946-01	4.391-03	6.780-05	1.443-05
-3.8	2.658-14	8.324-05	2.708-13	8.264-11	7.290-01	1.978-01	4.451-03	7.888-05	1.456-05
-3.6	1.686-14	7.442-05	1.918-13	6.589-11	7.395-01	2.004-01	4.500-03	8.682-05	1.466-05
-3.4	1.069-14	6.558-05	1.341-13	5.251-11	7.479-01	2.025-01	4.540-03	9.657-05	1.475-05
-3.2	6.775-15	5.701-05	9.251-14	4.184-11	7.542-01	2.043-01	4.574-03	1.059-04	1.483-05
-3.0	4.295-15	4.893-05	6.307-14	3.334-11	7.588-01	2.058-01	4.603-03	1.146-04	1.489-05
-2.8	2.725-15	4.151-05	4.251-14	2.657-11	7.617-01	2.071-01	4.630-03	1.225-04	1.496-05
-2.6	1.729-15	3.484-05	2.837-14	2.118-11	7.626-01	2.084-01	4.657-03	1.295-04	1.503-05
-2.4	1.099-15	2.897-05	1.876-14	1.691-11	7.613-01	2.098-01	4.686-03	1.357-04	1.511-05
-2.2	6.988-16	2.388-05	1.230-14	1.351-11	7.572-01	2.113-01	4.722-03	1.409-04	1.521-05
-2.0	4.451-16	1.953-05	8.000-15	1.081-11	7.496-01	2.133-01	4.768-03	1.453-04	1.535-05
-1.8	2.833-16	1.582-05	5.152-15	8.677-12	7.366-01	2.159-01	4.830-03	1.486-04	1.554-05
-1.6	1.812-16	1.269-05	3.276-15	6.977-12	7.177-01	2.194-01	4.914-03	1.507-04	1.581-05
-1.4	1.154-16	1.002-05	2.045-15	5.618-12	6.914-01	2.239-01	5.025-03	1.510-04	1.616-05
-1.2	7.302-17	7.738-06	1.242-15	4.521-12	6.571-01	2.295-01	5.167-03	1.490-04	1.661-05
-1.0	4.570-17	5.785-06	7.244-16	3.625-12	6.150-01	2.362-01	5.338-03	1.434-04	1.716-05
-.8	2.813-17	4.138-06	4.004-16	2.887-12	5.660-01	2.437-01	5.536-03	1.336-04	1.779-05
-.6	1.697-17	2.803-06	2.073-16	2.277-12	5.123-01	2.515-01	5.754-03	1.192-04	1.849-05
-.4	1.003-17	1.785-06	9.998-17	1.777-12	4.561-01	2.593-01	5.983-03	1.011-04	1.922-05
-.2	5.820-18	1.070-06	4.501-17	1.372-12	3.997-01	2.663-01	6.216-03	8.149-05	1.997-05
.0	3.335-18	6.270-07	1.910-17	1.050-12	3.452-01	2.722-01	6.444-03	6.256-05	2.070-05
.2	1.901-18	3.298-07	7.758-18	7.989-13	2.943-01	2.764-01	6.664-03	4.612-05	2.141-05
.4	1.085-18	1.740-07	3.071-18	6.065-13	2.481-01	2.786-01	6.871-03	3.296-05	2.207-05
.6	6.267-19	9.031-08	1.206-18	4.610-13	2.070-01	2.783-01	7.065-03	2.305-05	2.269-05
.8	3.693-19	4.673-08	4.782-19	3.523-13	1.712-01	2.753-01	7.247-03	1.592-05	2.328-05
1.0	2.245-19	2.438-08	1.947-19	2.718-13	1.405-01	2.693-01	7.419-03	1.091-05	2.383-05
1.2	1.426-19	1.297-08	8.277-20	2.127-13	1.145-01	2.602-01	7.584-03	7.470-06	2.436-05
1.4	9.602-20	7.099-09	3.737-20	1.695-13	9.268-02	2.477-01	7.745-03	5.118-06	2.488-05
1.6	6.975-20	4.040-09	1.825-20	1.382-13	7.446-02	2.320-01	7.904-03	3.514-06	2.539-05
1.8	5.598-20	2.415-09	9.854-21	1.157-13	5.934-02	2.132-01	8.064-03	2.415-06	2.590-05
2.0	5.149-20	1.536-09	6.079-21	9.992-14	4.673-02	1.914-01	8.225-03	1.656-06	2.642-05
2.2	5.822-20	1.062-09	4.559-21	9.000-14	3.618-02	1.671-01	8.391-03	1.124-06	2.695-05

T= 8300

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.230-01	3.45019+00	4.69449+01	5.03951+01	1.14726+02	-4.97923+00	3.45062+00
-6.8	3.972-01	3.30228+00	4.37821+01	4.70544+01	1.10008+02	-4.79825+00	3.30275+00
-6.6	3.674-01	3.14656+00	4.04506+01	4.35972+01	1.05191+02	-4.61923+00	3.14704+00
-6.4	3.345-01	2.99124+00	3.71267+01	4.01175+01	1.00454+02	-4.44122+00	2.99173+00
-6.2	2.999-01	2.84329+00	3.39595+01	3.68028+01	9.59442+01	-4.26325+00	2.84378+00
-6.0	2.648-01	2.70760+00	3.10535+01	3.37611+01	9.17607+01	-4.08448+00	2.70807+00
-5.8	2.305-01	2.58686+00	2.84671+01	3.10546+01	8.79558+01	-3.90430+00	2.58731+00
-5.6	1.980-01	2.48199+00	2.62199+01	2.87019+01	8.45421+01	-3.72227+00	2.48241+00
-5.4	1.680-01	2.39260+00	2.43043+01	2.66969+01	8.15046+01	-3.53820+00	2.39300+00
-5.2	1.411-01	2.31755+00	2.26954+01	2.50129+01	7.88117+01	-3.35204+00	2.31792+00
-5.0	1.173-01	2.25526+00	2.13599+01	2.36151+01	7.64238+01	-3.16387+00	2.25559+00
-4.8	9.683-02	2.20402+00	2.02613+01	2.24654+01	7.42989+01	-2.97385+00	2.20433+00
-4.6	7.936-02	2.16217+00	1.93641+01	2.15263+01	7.23967+01	-2.78218+00	2.16245+00
-4.4	6.468-02	2.12816+00	1.86352+01	2.07633+01	7.06801+01	-2.58906+00	2.12841+00
-4.2	5.246-02	2.10062+00	1.80452+01	2.01459+01	6.91167+01	-2.39472+00	2.10085+00
-4.0	4.239-02	2.07835+00	1.75688+01	1.96472+01	6.76783+01	-2.19935+00	2.07856+00
-3.8	3.415-02	2.06032+00	1.71842+01	1.92445+01	6.63406+01	-2.00313+00	2.06050+00
-3.6	2.744-02	2.04564+00	1.68727+01	1.89184+01	6.50841+01	-1.80624+00	2.04580+00
-3.4	2.201-02	2.03353+00	1.66185+01	1.86526+01	6.38907+01	-1.60882+00	2.03367+00
-3.2	1.763-02	2.02327+00	1.64073+01	1.84306+01	6.27455+01	-1.41101+00	2.02340+00
-3.0	1.410-02	2.01417+00	1.62262+01	1.82404+01	6.16347+01	-1.21297+00	2.01429+00
-2.8	1.128-02	2.00550+00	1.60622+01	1.80677+01	6.05451+01	-1.01485+00	2.00560+00
-2.6	9.025-03	1.99638+00	1.59011+01	1.78975+01	5.94626+01	-8.16820-01	1.99647+00
-2.4	7.226-03	1.98577+00	1.57266+01	1.77124+01	5.83710+01	-6.19140-01	1.98585+00
-2.2	5.796-03	1.97233+00	1.55188+01	1.74911+01	5.72517+01	-4.22090-01	1.97239+00
-2.0	4.664-03	1.95447+00	1.52539+01	1.72083+01	5.60824+01	-2.26050-01	1.95446+00
-1.8	3.771-03	1.93019+00	1.49057+01	1.68355+01	5.48396+01	-3.14700-02	1.93021+00
-1.6	3.070-03	1.89793+00	1.44500+01	1.63479+01	5.35021+01	1.61210-01	1.89792+00
-1.4	2.524-03	1.85658+00	1.38717+01	1.572 3+01	5.20589+01	3.51650-01	1.85653+00
-1.2	2.100-03	1.80630+00	1.31728+01	1.49791+01	5.05163+01	5.39720-01	1.80618+00
-1.0	1.772-03	1.74869+00	1.23757+01	1.41244+01	4.89004+01	7.25650-01	1.74868+00
-.8	1.518-03	1.68655+00	1.15190+01	1.32055+01	4.72520+01	9.09930-01	1.68621+00
-.6	1.321-03	1.62311+00	1.06475+01	1.22707+01	4.56191+01	1.09328+00	1.62258+00
-.4	1.165-03	1.56137+00	9.80269+00	1.13641+01	4.40411+01	1.27644+00	1.56054+00
-.2	1.039-03	1.50355+00	9.01537+00	1.05189+01	4.25483+01	1.46005+00	1.50228+00
.0	9.324-04	1.45103+00	8.30426+00	9.75529+00	4.11571+01	1.64461+00	1.44909+00
.2	8.397-04	1.40442+00	7.67704+00	9.08145+00	3.98726+01	1.83043+00	1.40145+00
.4	7.563-04	1.36378+00	7.13310+00	8.49688+00	3.86915+01	2.01768+00	1.35922+00
.6	6.793-04	1.32889+00	6.66646+00	7.99536+00	3.76051+01	2.20642+00	1.32189+00
.8	6.070-04	1.29950+00	6.26817+00	7.56766+00	3.66018+01	2.39671+00	1.28869+00
1.0	5.386-04	1.27552+00	5.92807+00	7.20358+00	3.56690+01	2.58862+00	1.25882+00
1.2	4.740-04	1.25731+00	5.63611+00	6.89342+00	3.47941+01	2.78237+00	1.23147+00
1.4	4.134-04	1.24597+00	5.38315+00	6.62912+00	3.39650+01	2.97844+00	1.20594+00
1.6	3.580-04	1.24376+00	5.16146+00	6.40521+00	3.31705+01	3.17767+00	1.18167+00
1.8	3.092-04	1.25460+00	4.96504+00	6.21963+00	3.23994+01	3.38144+00	1.15827+00
2.0	2.692-04	1.28492+00	4.78974+00	6.07466+00	3.16402+01	3.59181+00	1.13548+00
2.2	2.411-04	1.34476+00	4.63328+00	5.97804+00	3.08797+01	3.81158+00	1.11311+00

T= 84CC

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.735-09	1.559-12	1.099-10	6.066-14	7.945-25	1.320-22	7.465-22	8.060-09	5.191-11
-6.8	1.635-08	4.265-12	5.070-10	1.642-13	4.939-24	7.523-22	4.344-21	1.596-08	9.663-11
-6.6	4.329-08	1.080-11	7.949-10	5.298-13	2.781-23	3.814-21	2.251-20	2.993-08	1.770-10
-6.4	1.066-07	2.943-11	1.916-09	1.641-12	1.426-22	1.731-20	1.045-19	5.522-08	3.008-10
-6.2	2.456-07	5.609-11	4.314-09	3.726-12	6.718-22	7.109-20	4.386-19	9.002-08	4.872-10
-6.0	5.325-07	1.168-10	9.170-09	9.194-12	2.933-21	2.678-19	1.685-18	1.455-07	7.564-10
-5.8	1.095-06	2.319-10	1.853-08	2.177-11	1.205-20	9.369-19	6.004-18	2.258-07	1.133-09
-5.6	2.153-06	4.417-10	3.585-08	4.970-11	4.675-20	3.282-18	2.006-17	3.382-07	1.645-09
-5.4	4.072-06	8.135-10	6.691-08	1.099-10	1.731-19	9.636-18	6.356-17	4.916-07	2.328-09
-5.2	7.456-06	1.457-09	1.212-07	2.359-10	6.156-19	2.889-17	1.927-16	6.965-07	3.225-09
-5.0	1.329-05	2.549-09	2.139-07	4.933-10	2.112-18	8.369-17	5.535-16	9.657-07	4.307-09
-4.8	2.316-05	4.375-09	3.721-07	1.007-09	7.024-18	2.358-16	1.600-15	1.315-06	5.684-09
-4.6	3.964-05	7.395-09	6.294-07	2.012-09	2.272-17	6.495-16	4.436-15	1.764-06	7.739-09
-4.4	6.683-05	1.236-08	1.056-06	3.934-09	7.161-17	1.756-15	1.205-14	2.338-06	1.023-08
-4.2	1.113-04	2.058-08	1.751-06	7.539-09	2.203-16	4.680-15	3.224-14	3.068-06	1.332-08
-4.0	1.838-04	3.342-08	2.879-06	1.417-08	6.637-16	1.232-14	8.515-14	3.992-06	1.723-08
-3.8	3.001-04	5.439-08	4.697 06	2.614-08	1.957-15	3.214-14	2.226-13	5.160-06	2.216-08
-3.6	4.835-04	8.507-08	7.617-06	4.737-08	5.659-15	8.316-14	5.769-13	6.632-06	2.839-08
-3.4	7.676-04	1.420-07	1.229-05	8.441-08	1.606-14	2.138-13	1.485-12	8.485-06	3.625-08
-3.2	1.264-03	2.282-07	1.976-05	1.480-07	4.484-14	5.470-13	3.799-12	1.081-05	4.617-08
-3.0	2.026-03	3.650-07	3.165-05	2.558-07	1.232-13	1.393-12	9.667-12	1.372-05	5.870-08
-2.8	3.228-03	5.852-07	5.053-05	4.363-07	3.330-13	3.534-12	2.447-11	1.734-05	7.451-08
-2.6	5.118-03	9.352-07	8.042-05	7.353-07	8.935-13	8.931-12	6.160-11	2.182-05	9.451-08
-2.4	8.064-03	1.494-06	1.276-04	1.226-06	2.305-12	2.249-11	1.540-10	2.730-05	1.198-07
-2.2	1.260-02	2.386-06	2.016-04	2.026-06	6.198-12	5.636-11	3.819-10	3.388-05	1.520-07
-2.0	1.949-02	3.816-06	3.170-04	3.320-06	1.610-11	1.405-10	9.360-10	4.156-05	1.929-07
-1.8	2.967-02	6.113-06	4.951-04	5.394-06	4.147-11	3.477-10	2.259-09	5.020-05	2.451-07
-1.6	4.428-02	9.621-06	7.666-04	8.696-06	1.058-10	8.527-10	5.338-09	5.937-05	3.118-07
-1.4	6.440-02	1.583-05	1.174-03	1.387-05	2.670-10	2.066-09	1.228-08	6.811-05	3.968-07
-1.2	9.079-02	2.562-05	1.773-03	2.178-05	6.632-10	4.935-09	2.738-08	7.546-05	5.045-07
-1.0	1.236-01	4.159-05	2.636-03	3.349-05	1.610-09	1.159-08	5.887-08	8.010-05	6.386-07
-.8	1.622-01	6.762-05	3.850-03	4.992-05	3.787-09	2.671-08	1.219-07	8.120-05	8.021-07
-.6	2.053-01	1.099-04	5.521-03	7.145-05	8.537-09	6.035-08	2.428-07	7.948-05	9.957-07
-.4	2.509-01	1.782-04	7.772-03	9.734-05	1.820-08	1.336-07	4.686-07	7.244-05	1.219-06
-.2	2.972-01	2.873-04	1.074-02	1.257-04	3.762-08	2.900-07	8.667-07	6.415-05	1.470-06
.0	3.424-01	4.600-04	1.459-02	1.538-04	7.099-08	6.167-07	1.561-06	5.485-05	1.746-06
.2	3.848-01	7.293-04	1.947-02	1.797-04	1.291-07	1.286-06	2.733-06	4.560-05	2.048-06
.4	4.236-01	1.143-03	2.557-02	2.018-04	2.251-07	2.631-06	4.665-06	3.713-05	2.374-06
.6	4.582-01	1.761-03	3.306-02	2.201-04	3.791-07	5.281-06	7.781-06	2.986-05	2.728-06
.8	4.883-01	2.688-03	4.209-02	2.348-04	6.210-07	1.041-05	1.270-05	2.388-05	3.114-06
1.0	5.141-01	4.018-03	5.278-02	2.465-04	9.948-07	2.016-05	2.031-05	1.915-05	3.544-06
1.2	5.359-01	5.653-03	6.518-02	2.560-04	1.564-06	3.845-05	3.189-05	1.554-05	4.035-06
1.4	5.543-01	8.423-03	7.925-02	2.638-04	2.421-06	7.245-05	4.898-05	1.297-05	4.621-06
1.6	5.693-01	1.177-02	9.484-02	2.701-04	3.698-06	1.358-04	7.390-05	1.101-05	5.360-06
1.8	5.810-01	1.602-02	1.117-01	2.753-04	5.590-06	2.559-04	1.094-04	9.858-06	6.346-06
2.0	5.945-01	2.122-02	1.296-01	2.792-04	8.395-06	4.948-04	1.588-04	9.433-06	7.874-06
2.2	6.048-01	2.736-02	1.473-01	2.816-04	1.259-05	1.011-03	2.260-04	9.966-06	1.045-05

T= 84CC

LOG E	C2+	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.758-24	4.839-08	4.102-13	2.146-10	3.466-01	3.466-10	8.694-02	1.355-13	1.688-03
-6.8	1.481-23	9.396-08	8.678-13	4.145-10	3.294-01	2.236-10	8.097-02	8.827-14	1.516-03
-6.6	5.296-23	1.722-07	1.768-12	7.570-10	3.087-01	1.518-10	7.420-02	5.732-14	1.339-03
-6.4	1.727-22	2.998-07	3.474-12	1.310-09	2.848-01	1.011-10	6.694-02	3.735-14	1.167-03
-6.2	5.189-22	4.955-07	6.594-12	2.160-09	2.586-01	6.747-11	5.948-02	2.439-14	1.004-03
-6.0	1.451-21	7.846-07	1.213-11	3.407-09	2.312-01	4.495-11	5.211-02	1.592-14	8.550-04
-5.8	3.817-21	1.196-06	2.166-11	5.177-09	2.035-01	2.986-11	4.505-02	1.039-14	7.217-04
-5.6	9.545-21	1.764-06	3.769-11	7.614-09	1.765-01	1.976-11	3.848-02	6.765-15	6.041-04
-5.4	2.288-20	2.531-06	6.403-11	1.090-08	1.512-01	1.300-11	3.251-02	4.395-15	5.020-04
-5.2	5.297-20	3.546-06	1.064-10	1.524-08	1.279-01	8.517-12	2.720-02	2.846-15	4.143-04
-5.0	1.192-19	4.870-06	1.731-10	2.090-08	1.071-01	5.550-12	2.257-02	1.837-15	3.400-04
-4.8	2.621-19	6.582-06	2.761-10	2.821-08	8.885-02	3.600-12	1.858-02	1.183-15	2.775-04
-4.6	5.654-19	8.776-06	4.323-10	3.756-08	7.315-02	2.325-12	1.521-02	7.590-16	2.254-04
-4.4	1.201-18	1.157-05	6.645-10	4.952-08	5.983-02	1.496-12	1.230-02	4.859-16	1.824-04
-4.2	2.521-18	1.512-05	1.003-09	6.470-08	4.867-02	9.593-13	1.003-02	3.104-16	1.471-04
-4.0	5.236-18	1.962-05	1.488-09	8.392-08	3.942-02	6.136-13	8.095-03	1.980-16	1.183-04
-3.8	1.080-17	2.530-05	2.170-09	1.082-07	3.180-02	3.916-13	6.515-03	1.260-16	9.497-05
-3.6	2.212-17	3.246-05	3.111-09	1.389-07	2.558-02	2.495-13	5.232-03	8.016-17	7.608-05
-3.4	4.508-17	4.149-05	4.391-09	1.777-07	2.052-02	1.587-13	4.193-03	5.094-17	6.087-05
-3.2	9.152-17	5.286-05	6.103-09	2.267-07	1.642-02	1.008-13	3.355-03	3.235-17	4.865-05
-3.0	1.853-16	6.714-05	8.364-09	2.886-07	1.312-02	6.395-14	2.683-03	2.054-17	3.885-05
-2.8	3.742-16	8.505-05	1.132-08	3.670-07	1.046-02	4.052-14	2.143-03	1.304-17	3.102-05
-2.6	7.548-16	1.074-04	1.514-08	4.662-07	8.322-03	2.563-14	1.712-03	8.284-18	2.476-05
-2.4	1.522-15	1.353-04	2.004-08	5.922-07	6.604-03	1.618-14	1.368-03	5.265-18	1.978-05
-2.2	3.069-15	1.697-04	2.629-08	7.530-07	5.223-03	1.018-14	1.094-03	3.349-18	1.582-05
-2.0	6.200-15	2.118-04	3.419-08	9.594-07	4.111-03	6.378-15	8.755-04	2.134-18	1.267-05
-1.8	1.256-14	2.624-04	4.408-08	1.227-06	3.214-03	3.966-15	7.020-04	1.361-18	1.016-05
-1.6	2.557-14	3.217-04	5.624-08	1.577-06	2.488-03	2.439-15	5.640-04	8.684-19	8.175-06
-1.4	5.242-14	3.889-04	7.080-08	2.043-06	1.901-03	1.477-15	4.536-04	5.535-19	6.598-06
-1.2	1.085-13	4.615-04	8.739-08	2.673-06	1.427-03	8.744-16	3.647-04	3.512-19	5.312-06
-1.0	2.269-13	5.351-04	1.048-07	3.541-06	1.047-03	5.031-16	2.923-04	2.206-19	4.273-06
-.8	4.808-13	6.037-04	1.207-07	4.757-06	7.491-04	2.796-16	2.328-04	1.365-19	3.420-06
-.6	1.031-12	6.613-04	1.319-07	6.479-06	5.210-04	1.496-16	1.835-04	8.275-20	2.713-06
-.4	2.238-12	7.029-04	1.357-07	8.932-06	3.523-04	7.702-17	1.429-04	4.906-20	2.131-06
-.2	4.883-12	7.262-04	1.310-07	1.243-05	2.321-04	3.832-17	1.098-04	2.848-20	1.656-06
.0	1.069-11	7.318-04	1.190-07	1.741-05	1.496-04	1.855-17	8.344-05	1.625-20	1.275-06
.2	2.338-11	7.222-04	1.028-07	2.440-05	9.472-05	8.808-18	6.277-05	9.166-21	9.761-07
.4	5.076-11	7.015-04	8.549-08	3.411-05	5.929-05	4.146-18	4.689-05	5.147-21	7.453-07
.6	1.090-10	6.737-04	6.932-08	4.738-05	3.690-05	1.954-18	3.489-05	2.899-21	5.702-07
.8	2.305-10	6.430-04	5.552-08	6.517-05	2.296-05	9.317-19	2.596-05	1.652-21	4.391-07
1.0	4.783-10	6.131-04	4.445-08	8.852-05	1.439-05	4.549-19	1.939-05	9.606-22	3.423-07
1.2	9.721-10	5.876-04	3.596-08	1.185-04	9.138-06	2.303-19	1.460-05	5.762-22	2.720-07
1.4	1.935-09	5.698-04	2.972-08	1.564-04	5.930-06	1.227-19	1.116-05	3.608-22	2.219-07
1.6	3.790-09	5.639-04	2.538-08	2.035-04	3.968-06	6.994-20	8.714-06	2.394-22	1.877-07
1.8	7.382-09	5.761-04	2.273-08	2.650-04	2.768-06	4.356-20	7.018-06	1.718-22	1.665-07
2.0	1.462-08	6.178-04	2.178-08	3.486-04	2.045-06	3.069-20	5.917-06	1.375-22	1.577-07
2.2	3.064-08	7.163-04	2.298-08	4.787-04	1.644-06	2.607-20	5.357-06	1.310-22	1.643-07

T= 84CC

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	6.342-11	9.262-05	3.298-11	5.076-09	9.627-02	3.203-02	9.696-04	9.674-07	8.503-06
-6.8	3.956-11	9.601-05	2.374-11	3.673-09	1.318-01	4.295-02	1.242-03	1.444-06	8.856-06
-6.6	2.476-11	9.993-05	1.751-11	2.725-09	1.743-01	5.455-02	1.549-03	2.121-06	9.275-06
-6.4	1.556-11	1.042-04	1.310-11	2.068-09	2.227-01	6.941-02	1.869-03	3.063-06	9.747-06
-6.2	9.846-12	1.085-04	1.008-11	1.598-09	2.754-01	8.399-02	2.139-03	4.344-06	1.026-05
-6.0	6.252-12	1.126-04	7.801-12	1.252-09	3.303-01	9.873-02	2.503-03	6.049-06	1.078-05
-5.8	3.982-12	1.161-04	6.074-12	9.907-10	3.853-01	1.131-01	2.800-03	8.271-06	1.131-05
-5.6	2.542-12	1.189-04	4.740-12	7.899-10	4.386-01	1.268-01	3.075-03	1.111-05	1.182-05
-5.4	1.624-12	1.205-04	3.695-12	6.305-10	4.887-01	1.394-01	3.325-03	1.465-05	1.229-05
-5.2	1.037-12	1.209-04	2.870-12	5.051-10	5.344-01	1.507-01	3.547-03	1.930-05	1.272-05
-5.0	6.624-13	1.200-04	2.215-12	4.049-10	5.752-01	1.608-01	3.741-03	2.523-05	1.311-05
-4.8	4.226-13	1.175-04	1.696-12	3.243-10	6.109-01	1.694-01	3.908-03	3.288-05	1.344-05
-4.6	2.693-13	1.136-04	1.286-12	2.597-10	6.416-01	1.768-01	4.050-03	3.746-05	1.373-05
-4.4	1.714-13	1.083-04	9.646-13	2.078-10	6.676-01	1.831-01	4.169-03	4.544-05	1.398-05
-4.2	1.090-13	1.018-04	7.147-13	1.661-10	6.893-01	1.883-01	4.268-03	5.520-05	1.418-05
-4.0	6.926-14	9.426-05	5.228-13	1.327-10	7.073-01	1.926-01	4.350-03	6.360-05	1.435-05
-3.8	4.397-14	8.598-05	3.773-13	1.059-10	7.220-01	1.961-01	4.417-03	7.341-05	1.449-05
-3.6	2.790-14	7.727-05	2.636-13	8.446-11	7.339-01	1.990-01	4.472-03	8.337-05	1.461-05
-3.4	1.770-14	6.844-05	1.886-13	6.733-11	7.434-01	2.014-01	4.519-03	9.324-05	1.471-05
-3.2	1.122-14	5.977-05	1.307-13	5.366-11	7.507-01	2.034-01	4.555-03	1.027-04	1.479-05
-3.0	7.119-15	5.152-05	8.949-14	4.276-11	7.562-01	2.050-01	4.587-03	1.117-04	1.486-05
-2.8	4.517-15	4.388-05	6.056-14	3.408-11	7.599-01	2.065-01	4.616-03	1.199-04	1.493-05
-2.6	2.868-15	3.696-05	4.056-14	2.717-11	7.618-01	2.078-01	4.643-03	1.272-04	1.499-05
-2.4	1.822-15	3.084-05	2.692-14	2.168-11	7.615-01	2.091-01	4.672-03	1.337-04	1.507-05
-2.2	1.159-15	2.550-05	1.771-14	1.732-11	7.586-01	2.106-01	4.706-03	1.393-04	1.517-05
-2.0	7.387-16	2.092-05	1.156-14	1.386-11	7.523-01	2.124-01	4.748-03	1.439-04	1.529-05
-1.8	4.715-16	1.702-05	7.481-15	1.112-11	7.415-01	2.148-01	4.804-03	1.476-04	1.546-05
-1.6	3.013-16	1.371-05	4.789-15	8.937-12	7.251-01	2.179-01	4.880-03	1.502-04	1.570-05
-1.4	1.924-16	1.091-05	3.019-15	7.200-12	7.016-01	2.220-01	4.981-03	1.514-04	1.602-05
-1.2	1.224-16	8.515-06	1.860-15	5.803-12	6.702-01	2.272-01	5.112-03	1.504-04	1.644-05
-1.0	7.719-17	6.664-06	1.107-15	4.667-12	6.308-01	2.335-01	5.273-03	1.464-04	1.695-05
-.8	4.800-17	4.719-06	6.276-16	3.733-12	5.842-01	2.407-01	5.463-03	1.384-04	1.756-05
-.6	2.929-17	3.275-06	3.351-16	2.961-12	5.319-01	2.484-01	5.675-03	1.257-04	1.824-05
-.4	1.752-17	2.143-06	1.670-16	2.324-12	4.763-01	2.561-01	5.902-03	1.090-04	1.896-05
-.2	1.028-17	1.319-06	7.759-17	1.804-12	4.197-01	2.634-01	6.135-03	8.967-05	1.971-05
.0	5.949-18	7.659-07	3.386-17	1.388-12	3.644-01	2.696-01	6.366-03	7.018-05	2.045-05
.2	3.417-18	4.243-07	1.407-17	1.061-12	3.121-01	2.742-01	6.591-03	5.258-05	2.117-05
.4	1.963-18	2.271-07	5.666-18	8.081-13	2.641-01	2.768-01	6.804-03	3.805-05	2.186-05
.6	1.138-18	1.191-07	2.252-18	6.158-13	2.211-01	2.771-01	7.004-03	2.686-05	2.250-05
.8	6.726-19	6.206-08	9.003-19	4.714-13	1.833-01	2.747-01	7.193-03	1.865-05	2.310-05
1.0	4.097-19	3.251-08	3.683-19	3.641-13	1.508-01	2.693-01	7.371-03	1.284-05	2.368-05
1.2	2.605-19	1.732-08	1.570-19	2.850-13	1.232-01	2.607-01	7.541-03	8.808-06	2.422-05
1.4	1.755-19	9.487-09	7.094-20	2.272-13	9.986-02	2.489-01	7.705-03	6.041-06	2.475-05
1.6	1.277-19	5.397-09	3.466-20	1.852-13	8.036-02	2.337-01	7.868-03	4.148-06	2.527-05
1.8	1.027-19	3.223-09	1.875-20	1.551-13	6.409-02	2.153-01	8.031-03	2.850-06	2.580-05
2.0	9.504-20	2.049-09	1.162-20	1.341-13	5.051-02	1.939-01	8.196-03	1.952-06	2.633-05
2.2	1.087-19	1.418-09	8.802-21	1.212-13	3.914-02	1.698-01	8.364-03	1.324-06	2.687-05

T= 84CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.356-01	3.52564+00	4.80554+01	5.1581C+01	1.164C6+02	-4.94453+00	3.52611+00
-6.8	4.120-01	3.38559+00	4.50953+01	4.84808+01	1.1185+02	-4.78223+00	3.38609+00
-6.6	3.843-01	3.23318+00	4.18727+01	4.51C55+01	1.071C7+02	-4.60224+00	3.23371+00
-6.4	3.530-01	3.07670+00	3.85627+01	4.16394+01	1.C2346+02	-4.42378+00	3.07725+00
-6.2	3.192-01	2.92396+00	3.53305+01	3.82545+01	9.7730Z+01	-4.24590+00	2.92451+00
-6.0	2.842-01	2.78104+00	3.23051+01	3.50861+01	9.33916+01	-4.08766+00	2.78158+00
-5.8	2.494-01	2.65182+00	2.95688+01	3.222C6+01	8.94050+01	-3.88832+00	2.65234+00
-5.6	2.157-01	2.53815+00	2.71610+01	2.96992+01	8.5802?+01	-3.70735+00	2.53864+00
-5.4	1.843-01	2.44029+00	2.50878+01	2.75281+01	8.25838+01	-3.52442+00	2.44076+00
-5.2	1.556-01	2.35748+00	2.33328+01	2.56902+01	7.97246+01	-3.33942+00	2.35791+00
-5.0	1.301-01	2.28832+00	2.18669+01	2.41552+01	7.71896+01	-3.15235+00	2.28872+00
-4.8	1.078-01	2.23117+00	2.06553+01	2.28865+01	7.49378+01	-2.96333+00	2.23153+00
-4.6	8.871-02	2.18431+00	1.96621+01	2.18464+01	7.29282+01	-2.77255+00	2.18464+00
-4.4	7.251-02	2.14613+00	1.88528+01	2.09989+01	7.11222+01	-2.59021+00	2.14643+00
-4.2	5.897-02	2.11516+00	1.81965+01	2.03117+01	6.94850+01	-2.38652+00	2.11543+00
-4.0	4.775-02	2.09009+00	1.76659+01	1.9756C+01	6.79863+01	-2.19170+00	2.09033+00
-3.8	3.853-02	2.06980+00	1.72374+01	1.93072+01	6.66C01+01	-1.99594+00	2.07002+00
-3.6	3.100-02	2.05333+00	1.68909+01	1.89442+01	6.53044+01	-1.79961+00	2.05352+00
-3.4	2.489-02	2.03983+00	1.66091+01	1.8649C+01	6.4C8C3+01	-1.60227+00	2.04000+00
-3.2	1.995-02	2.02854+00	1.63772+01	1.84057+01	6.29116+01	-1.40464+00	2.02870+00
-3.0	1.597-02	2.01875+00	1.61813+01	1.82001+01	6.17838+01	-1.20678+00	2.01889+00
-2.8	1.278-02	2.CC973+00	1.60085+01	1.80182+01	6.C6834+01	-1.00873+00	2.00995+00
-2.6	1.023-02	2.CCC65+00	1.58450+01	1.78456+01	5.95965+01	-8.10700-01	2.00076+00
-2.4	8.185-03	1.99053+00	1.56753+01	1.76658+01	5.85077+01	-6.12900-01	1.99062+00
-2.2	6.561-03	1.97812+00	1.54809+01	1.7459C+01	5.73994+01	-4.15610-01	1.97819+00
-2.0	5.273-03	1.96189+00	1.52394+01	1.72013+01	5.625C6+01	-2.19190-01	1.96194+00
-1.8	4.255-03	1.94003+00	1.49255+01	1.68655+01	5.5C379+01	-2.40600-02	1.94006+00
-1.6	3.454-03	1.91073+00	1.45134+01	1.64242+01	5.37389+01	1.69330-01	1.91072+00
-1.4	2.827-03	1.87260+00	1.39841+01	1.58567+01	5.23381+01	3.60590-01	1.87.55+00
-1.2	2.340-03	1.82533+00	1.33328+01	1.51581+01	5.C8349+01	5.49470-01	1.82521+00
-1.0	1.953-03	1.76999+00	1.25742+01	1.43442+01	4.92483+01	7.36100-01	1.76979+00
-.8	1.671-03	1.70902+00	1.17418+01	1.3450P+01	4.76146+01	9.20880-01	1.70868+00
-.6	1.445-03	1.64560+00	1.08789+01	1.25245+01	4.59793+01	1.10446+00	1.64505+00
-.4	1.267-03	1.58286+00	1.00288+01	1.16116+01	4.43859+01	1.2875d+00	1.58203+00
-.2	1.124-03	1.52335+00	9.22590+00	1.C7493+01	4.28679+01	1.47C93+00	1.52207+00
.0	1.006-03	1.46876+00	8.49314+00	9.96190+00	4.14464+01	1.65508+00	1.46680+00
.2	9.045-04	1.41996+00	7.84165+00	9.26161+00	4.013CC+01	1.84041+00	1.41696+00
.4	8.141-04	1.37720+00	7.27341+00	8.65062+00	3.89180+01	2.02713+00	1.37260+00
.6	7.314-04	1.34039+00	6.78408+00	8.12447+00	3.78031+01	2.21536+00	1.33332+00
.8	6.543-04	1.30931+00	6.36560+00	7.67491+00	3.67748+01	2.40514+00	1.29863+00
1.0	5.815-04	1.28331+00	6.00819+00	7.29216+00	3.59205+01	2.59667+00	1.26712+00
1.2	5.127-04	1.26453+00	5.70102+00	6.98636+00	3.49276+01	2.79004+00	1.23858+00
1.4	4.483-04	1.25226+00	5.43712+00	6.68935+00	3.4C837+01	2.98536+00	1.21208+00
1.6	3.893-04	1.24929+00	5.20603+00	6.4553?+00	3.32770+01	3.18280+00	1.18702+00
1.8	3.373-04	1.25952+00	5.00213+00	6.26165+00	3.24961+01	3.38234+00	1.16295+00
2.0	2.947-04	1.28931+00	4.82087+00	6.11C18+00	3.17288+01	3.58434+00	1.13959+00
2.2	2.651-04	1.34857+00	4.65958+00	6.00825+00	3.09616+01	3.81+04+00	1.11655+00

T= 8500

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.431-09	1.658-12	7.102-11	3.670-14	3.856-25	1.045-23	3.771-22	6.103-09	4.175-11
-6.8	1.018-08	3.014-12	2.065-10	1.152-13	2.531-24	4.274-22	2.334-21	1.244-08	8.171-11
-6.6	2.866-08	7.943-12	5.566-10	3.414-13	1.501-23	2.304-21	1.287-20	2.403-08	1.910-10
-6.4	7.106-08	1.941-11	1.392-09	9.558-13	8.071-23	1.107-20	6.332-20	4.399-08	2.637-10
-6.2	1.715-07	4.629-11	3.248-09	2.535-12	3.968-22	4.787-20	2.802-19	7.643-08	4.373-10
-6.0	3.841-07	9.479-11	7.115-09	6.403-12	1.800-21	1.804-19	1.127-18	1.266-07	6.931-10
-5.8	8.125-07	1.927-10	1.475-08	1.547-11	7.620-21	6.841-19	4.175-18	2.007-07	1.056-09
-5.6	1.636-06	3.745-10	2.918-08	3.596-11	3.037-20	2.521-18	1.442-17	3.064-07	1.557-09
-5.4	3.157-06	7.013-10	5.548-08	8.072-11	1.150-19	7.446-18	4.695-17	4.525-07	2.230-09
-5.2	5.881-06	1.273-09	1.020-07	1.757-10	4.168-19	2.280-17	1.456-16	6.499-07	3.122-09
-5.0	1.063-05	2.253-09	1.825-07	3.719-10	1.484-18	6.718-17	4.337-16	9.114-07	4.285-09
-4.8	1.875-05	3.903-09	3.190-07	7.577-10	4.925-18	1.919-16	1.250-15	1.253-06	5.780-09
-4.6	3.240-05	6.648-09	5.472-07	1.568-09	1.606-17	5.346-16	3.508-15	1.694-06	7.715-09
-4.4	5.504-05	1.116-08	9.243-07	3.034-09	5.119-17	1.459-15	9.629-15	2.260-06	1.017-08
-4.2	9.220-05	1.854-08	1.542-06	5.900-09	1.591-16	3.917-15	2.597-14	2.981-06	1.329-08
-4.0	1.529-04	3.050-08	2.546-06	1.117-08	4.836-16	1.037-14	6.904-14	3.895-06	1.726-08
-3.8	2.511-04	4.930-08	4.170-06	2.076-08	1.437-15	2.718-14	1.814-13	5.053-06	2.224-08
-3.6	4.094-04	8.004-08	6.763-06	3.788-08	4.106-15	7.062-14	4.723-13	6.514-06	2.855-08
-3.4	6.632-04	1.306-07	1.097-05	6.737-08	1.196-14	1.821-13	1.220-12	8.355-06	3.651-08
-3.2	1.069-03	2.102-07	1.767-05	1.197-07	3.359-14	4.671-13	3.130-12	1.067-05	4.647-08
-3.0	1.714-03	3.374-07	2.836-05	2.079-07	9.282-14	1.192-12	7.986-12	1.357- 5	5.926-08
-2.8	2.737-03	5.403-07	4.534-05	3.562-07	2.527-13	3.030-12	2.027-11	1.718-05	7.528-08
-2.6	4.343-03	8.640-07	7.227-05	6.026-07	6.732-13	7.671-12	5.114-11	2.167-05	9.554-08
-2.4	6.870-03	1.380-06	1.148-04	1.009-06	1.804-12	1.935-11	1.283-10	2.718-05	1.212-07
-2.2	1.077-02	2.205-06	1.817-04	1.672-06	4.744-12	4.858-11	3.191-10	3.384-05	1.537-07
-2.0	1.673-02	3.525-06	2.863-04	2.747-06	1.236-11	1.214-10	7.858-10	4.172-05	1.951-07
-1.8	2.563-02	5.643-06	4.484-04	4.478-06	3.194-11	3.012-10	1.908-09	5.073-05	2.478-07
-1.6	3.855-02	9.056-06	6.967-04	7.240-06	8.179-11	7.413-10	4.545-09	6.068-05	3.153-07
-1.4	5.662-02	1.458-05	1.071-03	1.159-05	2.073-10	1.804-09	1.056-08	7.026-05	4.015-07
-1.2	8.075-02	2.356-05	1.676-03	1.833-05	5.183-10	4.332-09	2.383-08	7.894-05	5.111-07
-1.0	1.113-01	3.819-05	2.431-03	2.844-05	1.271-09	1.023-08	5.189-08	8.523-05	6.486-07
-.8	1.480-01	6.204-05	3.573-03	4.296-05	3.028-09	2.373-08	1.098-07	8.797-05	8.182-07
-.6	1.897-01	1.008-04	5.156-03	6.253-05	6.966-09	5.398-08	2.197-07	8.659-05	1.021-06
-.4	2.346-01	1.635-04	7.303-03	8.690-05	1.518-08	1.203-07	4.273-07	8.136-05	1.258-06
-.2	2.809-01	2.640-04	1.015-02	1.146-04	3.139-08	2.626-07	8.025-07	7.322-05	1.527-06
.0	3.266-01	4.233-04	1.386-02	1.431-04	6.137-08	5.619-07	1.459-06	6.348-05	1.826-06
.2	3.701-01	6.725-04	1.860-02	1.701-04	1.138-07	1.178-06	2.578-06	5.339-05	2.152-06
.4	4.103-01	1.056-03	2.454-02	1.938-04	2.013-07	2.423-06	4.433-06	4.389-05	2.508-06
.6	4.464-01	1.637-03	3.186-02	2.137-04	3.431-07	4.868-06	7.443-06	3.556-05	2.894-06
.8	4.780-01	2.499-03	4.072-02	2.297-04	5.670-07	9.682-06	1.222-05	2.860-05	3.317-06
1.0	5.053-01	3.746-03	5.125-02	2.426-04	9.145-07	1.884-05	1.954-05	2.304-05	3.788-06
1.2	5.285-01	5.506-03	6.330-02	2.530-04	1.446-06	3.611-05	3.094-05	1.875-05	4.328-06
1.4	5.480-01	7.915-03	7.747-02	2.615-04	2.248-06	6.838-05	4.779-05	1.556-05	4.974-06
1.6	5.646-01	1.111-02	9.302-02	2.684-04	3.448-06	1.288-04	7.239-05	1.333-05	5.792-06
1.8	5.786-01	1.519-02	1.099-01	2.740-04	5.233-06	2.441-04	1.076-04	1.196-05	6.911-06
2.0	5.908-01	2.023-02	1.278-01	2.783-04	7.889-06	4.745-04	1.567-04	1.147-05	8.599-06
2.2	6.017-01	2.622-02	1.460-01	2.811-04	1.188-05	9.745-04	2.238-04	1.215-05	1.150-05

T= 8500

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.840-24	3.538-08	3.048-13	1.833-10	3.545-01	5.581-10	6.961-02	2.427-13	1.790-03
-6.8	1.181-23	7.062-08	6.572-13	3.646-10	3.394-01	3.670-10	8.407-02	1.564-13	1.627-03
-6.6	4.441-23	1.336-07	1.369-12	6.658-10	3.206-01	2.430-10	7.765-02	1.013-13	1.453-03
-6.4	1.519-22	2.386-07	2.732-12	1.220-09	2.694-01	1.617-10	7.059-02	6.584-14	1.278-03
-6.2	4.756-22	4.050-07	5.274-12	2.083-09	2.733-01	1.079-10	6.319-02	4.290-14	1.109-03
-6.0	1.379-21	6.561-07	9.851-12	3.327-09	2.466-01	7.194-11	5.573-02	2.800-14	9.508-04
-5.8	3.739-21	1.020-06	1.785-11	5.153-09	2.187-01	4.788-11	4.849-02	1.827-14	8.075-04
-5.6	9.569-21	1.530-06	3.144-11	7.705-09	1.913-01	3.176-11	4.166-02	1.190-14	6.797-04
-5.4	2.347-20	2.226-06	5.402-11	1.118-08	1.649-01	2.097-11	3.539-02	7.741-15	5.676-04
-5.2	5.529-20	3.155-06	9.065-11	1.581-08	1.405-01	1.3.7-11	2.975-02	5.020-15	4.705-04
-5.0	1.262-19	4.378-06	1.489-10	2.190-08	1.183-01	9.000-12	2.478-02	3.245-15	3.875-04
-4.8	2.806-19	5.965-06	2.395-10	2.980-08	9.860-02	5.853-12	2.048-02	2.092-15	3.173-04
-4.6	6.111-19	8.008-06	3.780-10	3.997-08	8.152-02	3.789-12	1.681-02	1.344-15	2.585-04
-4.4	1.308-18	1.062-05	5.853-10	5.296-08	6.691-02	2.443-12	1.372-02	8.619-16	2.097-04
-4.2	2.762-18	1.394-05	8.899-10	6.949-08	5.459-02	1.570-12	1.114-02	5.512-16	1.695-04
-4.0	5.768-18	1.815-05	1.329-09	9.047-08	4.431-02	1.006-12	9.009-03	3.518 16	1.365-04
-3.8	1.194-17	2.348-05	1.950-09	1.170-07	3.582-02	6.427-13	7.262-03	2.242-16	1.097-04
-3.6	2.453-17	3.021-05	2.813-09	1.506-07	2.886-02	4.099-13	5.838-03	1.427-16	8.800-05
-3.4	5.012-17	3.869-05	3.992-09	1.930-07	2.318-02	2.610-13	4.684-03	9.074-17	7.046-05
-3.2	1.020-16	4.937-05	5.578-09	2.465-07	1.858-02	1.660-13	3.751-03	5.766-17	5.635-05
-3.0	2.067-16	6.281-05	7.682-09	3.142-07	1.486-02	1.054-13	3.001-03	3.663-17	4.503-05
-2.8	4.179-16	7.967-05	1.044-08	3.997-07	1.186-02	6.684-14	2.399-03	2.326-17	3.596-05
-2.6	8.437-16	1.008-04	1.402-08	5.080-07	9.445-03	4.233-14	1.917-03	1.478-17	2.872-05
-2.4	1.702-15	1.271-04	1.863-08	6.455-07	7.505-03	2.676-14	1.531-03	9.397-18	2.294-05
-2.2	3.432-15	1.598-04	2.451-08	8.205-07	5.945-03	1.687-14	1.224-03	5.979-18	1.834-05
-2.0	6.928-15	1.999-04	3.198-08	1.045-06	4.690-03	1.060-14	9.800-04	3.810-18	1.468-05
-1.8	1.402-14	2.484-04	4.137-08	1.334-06	3.678-03	6.614-15	7.856-04	2.431-18	1.178-05
-1.6	2.848-14	3.059-04	5.303-08	1.711-06	2.860-03	4.091-15	6.310-04	1.553-18	9.472-06
-1.4	5.820-14	3.720-04	6.718-08	2.209-06	2.197-03	2.496-15	5.077-04	9.923-19	7.635-06
-1.2	1.199-13	4.450-04	8.368-08	2.878-06	1.662-03	1.494-15	4.087-04	6.321-19	6.162-06
-1.0	2.496-13	5.209-04	1.017-07	3.792-06	1.232-03	8.713-16	3.284-04	3.997-19	4.969-06
-.8	5.259-13	5.943-04	1.192-07	5.063-06	8.905-04	4.921-16	2.625-04	2.496-19	3.991-06
-.6	1.121-12	6.587-04	1.333-07	6.853-06	6.266-04	2.679-16	2.080-04	1.530-19	3.182-06
-.4	2.418-12	7.086-04	1.407-07	9.397-06	4.287-04	1.404-16	1.629-04	9.180-20	2.513-06
-.2	5.259-12	7.404-04	1.395-07	1.302-05	2.855-04	7.100-17	1.260-04	5.392-20	1.965-06
.0	1.149-11	7.536-04	1.299-07	1.817-05	1.858-04	3.486-17	9.630-05	3.109-20	1.521-06
.2	2.508-11	7.502-04	1.146-07	2.543-05	1.186-04	1.676-17	7.281-05	1.769-20	1.170-06
.4	5.446-11	7.339-04	9.691-08	3.554-05	7.474-05	7.961-18	5.462-05	1.000-20	8.966-07
.6	1.171-10	7.090-04	7.957-08	4.940-05	4.675-05	3.778-18	4.079-05	5.667-21	6.878-07
.8	2.483-10	6.759-04	6.430-08	6.805-05	2.921-05	1.811-18	3.043-05	3.243-21	5.307-07
1.0	5.171-10	6.508-04	5.178-08	9.267-05	1.835-05	8.978-19	2.278-05	1.892-21	4.143-07
1.2	1.056-09	6.257-04	4.206-08	1.249-04	1.167-05	4.507-19	1.719-05	1.138-21	3.294-07
1.4	2.114-09	6.084-04	3.485-08	1.649-04	7.584-06	2.406-19	1.316-05	7.168-22	2.688-07
1.6	4.167-09	6.037-04	2.982-08	2.160-04	5.077-06	1.374-19	1.029-05	4.759-22	2.274-07
1.8	8.176-09	6.183-04	2.675-08	2.821-04	3.543-06	8.589-20	8.309-06	3.430-22	2.018-07
2.0	1.632-08	6.653-04	2.566-08	3.733-04	2.619-06	6.087-20	7.024-06	2.768-22	1.913-07
2.2	3.453-08	7.748-04	2.721-08	5.162-04	2.109-06	5.234-20	6.385-06	2.673-22	1.999-07

T= 85CC

LOG D	A++	C+	C++	E+	N	O	A	C	NE
-7.0	1.029-10	9.100-05	4.694-11	6.897-09	7.991-02	2.713-02	8.084-04	8.136-07	8.340-06
-6.8	6.424-11	9.405-05	3.333-11	4.917-09	1.114-01	3.706-02	1.06	1.224-06	8.656-06
-6.6	4.022-11	9.767-05	2.426-11	3.569-09	1.502-01	4.884-02	1.36	1.814-06	9.040-06
-6.4	2.528-11	1.017-04	1.807-11	2.699-09	1.956-01	6.211-02	1.676-03	2.663-06	9.485-06
-6.2	1.597-11	1.060-04	1.370-11	2.066-09	2.461-01	7.638-02	1.998-03	3.783-06	9.977-06
-6.0	1.013-11	1.102-04	1.054-11	1.608-09	3.001-01	9.110-02	2.318-03	5.317-06	1.050-05
-5.8	6.454-12	1.140-04	8.175-12	1.266-09	3.553-01	1.057-01	2.626-03	7.337-06	1.103-05
-5.6	4.121-12	1.171-04	6.369-12	1.005-09	4.098-01	1.198-01	2.915-03	9.940-06	1.155-05
-5.4	2.634-12	1.192-04	4.965-12	8.021-10	4.618-01	1.330-01	3.181-03	1.323-05	1.206-05
-5.2	1.684-12	1.202-04	3.880-12	6.419-10	5.099-01	1.450-01	3.420-03	1.729-05	1.249-05
-5.0	1.077-12	1.197-04	2.986-12	5.143-10	5.535-01	1.557-01	3.630-03	2.221-05	1.290-05
-4.8	6.876-13	1.179-04	2.293-12	4.122-10	5.920-01	1.651-01	3.813-03	2.805-05	1.327-05
-4.6	4.397-13	1.146-04	1.745-12	3.302-10	6.254-01	1.731-01	3.970-03	3.484-05	1.358-05
-4.4	2.795-13	1.098-04	1.314-12	2.643-10	6.539-01	1.800-01	4.102-03	4.253-05	1.385-05
-4.2	1.779-13	1.038-04	9.776-13	2.114-10	6.779-01	1.857-01	4.213-03	5.107-05	1.407-05
-4.0	1.131-13	9.659-05	7.183-13	1.689-10	6.979-01	1.905-01	4.304-03	6.029-05	1.426-05
-3.8	7.188-14	8.858-05	5.208-13	1.349-10	7.143-01	1.944-01	4.380-03	7.001-05	1.442-05
-3.6	4.564-14	8.003-05	3.725-13	1.076-10	7.2 -01	1.976-01	4.442-03	7.997-05	1.455-05
-3.4	2.897-14	7.123-05	2.628-13	8.583-11	7.384-01	2.002-01	4.493-03	8.992-05	1.466-05
-3.2	1.838-14	6.250-05	1.829-13	6.842-11	7.468-01	2.024-01	4.535-03	9.958-05	1.475-05
-3.0	1.166-14	5.411-05	1.268-13	5.454-11	7.533-01	2.042-01	4.570-03	1.087-04	1.482-05
-2.8	7.402-15	4.627-05	8.546-14	4.347-11	7.578-01	2.058-01	4.601-03	1.172-04	1.489-05
-2.6	4.700-15	3.912-05	5.745-14	3.466-11	7.605-01	2.072-01	4.630-03	1.249-04	1.496-05
-2.4	2.987-15	3.274-05	3.826-14	2.765-11	7.612-01	2.085-01	4.659-03	1.316-04	1.504-05
-2.2	1.901-15	2.716-05	2.526-14	2.208-11	7.594-01	2.100-01	4.690-03	1.375-04	1.512-05
-2.0	1.211-15	2.235-05	1.654-14	1.767-11	7.545-01	2.117-01	4.730-03	1.425-04	1.524-05
-1.8	7.736-16	1.824-05	1.075-14	1.416-11	7.456-01	2.138-01	4.781-03	1.466-04	1.539-05
-1.6	4.948-16	1.476-05	6.920-15	1.138-11	7.313-01	2.166-01	4.849-03	1.496-04	1.561-05
-1.4	3.167-16	1.191-05	4.397-15	9.169-12	7.105-01	2.203-01	4.942-03	1.514-04	1.590-05
-1.2	2.022-16	9.605-06	2.741-15	7.397-12	6.820-01	2.251-01	5.062-03	1.513-04	1.628-05
-1.0	1.284-16	7.756-06	1.659-15	5.963-12	6.454-01	2.310-01	5.213-03	1.487-04	1.676-05
-.8	8.052-17	5.318-06	9.630-16	4.787-12	6.012-01	2.379-01	5.393-03	1.423-04	1.734-05
-.6	4.968-17	3.775-06	5.288-16	3.816-12	5.507-01	2.454-01	5.599-03	1.315-04	1.799-05
-.4	3.006-17	2.534-06	2.719-16	3.012-12	4.960-01	2.531-01	5.822-03	1.162-04	1.871-05
-.2	1.785-17	1.600-06	1.304-16	2.353-12	4.395-01	2.604-01	6.055-03	9.764-05	1.945-05
.0	1.043-17	9.525-07	5.860-17	1.820-12	3.835-01	2.668-01	6.288-03	7.795-05	2.020-05
.2	6.040-18	5.387-07	2.495-17	1.397-12	3.300-01	2.718-01	6.517-03	5.940-05	2.094-05
.4	3.493-18	2.930-07	1.024-17	1.068-12	2.803-01	2.749-01	6.736-03	4.358-05	2.166-05
.6	2.035-18	1.555-07	4.127-18	8.162-13	2.355-01	2.757-01	6.943-03	3.107-05	2.230-05
.8	1.207-18	8.165-08	1.665-18	6.260-13	1.959-01	2.739-01	7.137-03	2.173-05	2.293-05
1.0	7.368-19	4.298-08	6.852-19	4.841-13	1.616-01	2.691-01	7.321-03	1.503-05	2.352-05
1.2	4.692-19	2.296-08	2.930-19	3.793-13	1.322-01	2.611-01	7.496-03	1.034-05	2.408-05
1.4	3.165-19	1.259-08	1.326-19	3.024-13	1.074-01	2.498-01	7.665-03	7.098-06	2.462-05
1.6	2.305-19	7.160-09	6.489-20	2.466-13	8.653-02	2.352-01	7.832-03	4.876-06	2.516-05
1.8	1.860-19	4.274-09	3.516-20	2.065-13	6.909-02	2.172-01	7.998-03	3.349-06	2.569-05
2.0	1.730-19	2.717-09	2.188-20	1.788-13	5.450-02	1.962-01	8.166-03	2.292-06	2.623-05
2.2	2.002-19	1.884-09	1.675-20	1.620-13	4.226-02	1.723-01	8.337-03	1.553-06	2.678-05

T= 85CC

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.460-01	3.53359+00	4.89842+01	5.25770+01	1.17909+02	-4.95120+00	3.59407+00
-6.8	4.252-01	3.46326+00	4.62613+01	4.97246+01	1.13560+02	-4.76724+00	3.46380+00
-6.6	3.998-01	3.31857+00	4.31954+01	4.65120+01	1.08933+02	-4.58604+00	3.31715+00
-6.4	3.703-01	3.16129+00	3.99483+01	4.31096+01	1.04194+02	-4.40686+00	3.16189+00
-6.2	3.377-01	3.00567+00	3.66930+01	3.96987+01	9.95189+01	-4.22879+00	3.00628+00
-6.0	3.032-01	2.85484+00	3.33785+01	3.64354+01	9.50549+01	-4.05084+00	2.85745+00
-5.8	2.682-01	2.71983+00	3.07114+01	3.34312+01	9.09042+01	-3.87218+00	2.72048+00
-5.6	2.337-01	2.59770+00	2.81525+01	3.07502+01	8.71215+01	-3.69214+00	2.59827+00
-5.4	2.010-01	2.49134+00	2.59245+01	2.84158+01	8.37222+01	-3.51029+00	2.49187+00
-5.2	1.705-01	2.40054+00	2.40218+01	2.64224+01	8.06938+01	-3.32642+00	2.40103+00
-5.0	1.436-01	2.32419+00	2.24217+01	2.47458+01	7.80063+01	-3.14046+00	2.32464+00
-4.8	1.195-01	2.26075+00	2.10919+01	2.33526+01	7.56214+01	-2.95248+00	2.26117+00
-4.6	9.871-02	2.20865+00	1.99971+01	2.22056+01	7.34979+01	-2.76263+00	2.20891+00
-4.4	8.096-02	2.16593+00	1.91022+01	2.12681+01	7.15962+01	-2.57110+00	2.16618+00
-4.2	6.602-02	2.13112+00	1.83748+01	2.05059+01	6.98796+01	-2.37812+00	2.13143+00
-4.0	5.358-02	2.10299+00	1.77857+01	1.98897+01	6.83158+01	-2.18389+00	2.10327+00
-3.8	4.331-02	2.08022+00	1.73096+01	1.93899+01	6.68768+01	-1.98862+00	2.08048+00
-3.6	3.490-02	2.06176+00	1.69249+01	1.89867+01	6.55385+01	-1.79249+00	2.06199+00
-3.4	2.806-02	2.04670+00	1.66129+01	1.86596+01	6.42806+01	-1.59567+00	2.04691+00
-3.2	2.251-02	2.03424+00	1.63576+01	1.83918+01	6.30857+01	-1.39833+00	2.03442+00
-3.0	1.803-02	2.02361+00	1.61446+01	1.81682+01	6.19384+01	-1.20060+00	2.02377+00
-2.8	1.444-02	2.01409+00	1.59606+01	1.79747+01	6.08247+01	-1.00265+00	2.01424+00
-2.6	1.155-02	2.00488+00	1.57920+01	1.77968+01	5.97307+01	-8.04640-01	2.00501+00
-2.4	9.246-03	1.99505+00	1.56239+01	1.76170+01	5.86416+01	-6.06770-01	1.99516+00
-2.2	7.408-03	1.98344+00	1.54391+01	1.74226+01	5.75406+01	-4.09310-01	1.98353+00
-2.0	5.948-03	1.96861+00	1.52186+01	1.71852+01	5.64080+01	-2.12570-01	1.96868+00
-1.8	4.791-03	1.94883+00	1.49319+01	1.68808+01	5.52211+01	-1.69500-02	1.94887+00
-1.6	3.880-03	1.92223+00	1.45592+01	1.64914+01	5.39567+01	1.77080-01	1.92223+00
-1.4	3.165-03	1.88722+00	1.40761+01	1.59633+01	5.25962+01	3.69090-01	1.88717+00
-1.2	2.608-03	1.84302+00	1.34721+01	1.53151+01	5.11329+01	5.58800-01	1.84291+00
-1.0	2.175-03	1.79021+00	1.27548+01	1.4545C+01	4.95787+01	7.46180-01	1.79001+00
-.8	1.840-03	1.73040+00	1.19512+01	1.36842C+01	4.79643+01	9.31520-01	1.73046+00
-.6	1.581-03	1.66777+00	1.11020+01	1.27698+01	4.63325+01	1.11541+00	1.66723+00
-.4	1.379-03	1.60439+00	1.02511+01	1.18555+01	4.47282+01	1.29858+00	1.60354+00
-.2	1.217-03	1.54343+00	9.43624+00	1.09797+01	4.31887+01	1.48176+00	1.54213+00
.0	1.085-03	1.48691+00	8.68417+00	1.01711+01	4.17391+01	1.66556+00	1.48692+00
.2	9.736-04	1.43597+00	8.00975+00	9.44572+00	4.03920+01	1.85042+00	1.43294+00
.4	8.754-04	1.39110+00	7.41777+00	8.80887+00	3.91493+01	2.03663+00	1.38645+00
.6	7.865-04	1.35232+00	6.90578+00	8.25615+00	3.80059+01	2.22435+00	1.34520+00
.8	7.041-04	1.31950+00	6.46683+00	7.78633+00	3.69519+01	2.41368+00	1.30855+00
1.0	6.266-04	1.29262+00	6.09167+00	7.38429+00	3.59756+01	2.60474+00	1.27574+00
1.2	5.536-04	1.27202+00	5.77035+00	7.04238+00	3.50640+01	2.79777+00	1.24594+00
1.4	4.852-04	1.25875+00	5.49340+00	6.75215+00	3.42046+01	2.99321+00	1.21841+00
1.6	4.224-04	1.25497+00	5.25241+00	6.50739+00	3.33853+01	3.19191+00	1.19250+00
1.8	3.671-04	1.26454+00	5.04062+00	6.30516+00	3.25940+01	3.39520+00	1.16773+00
2.0	3.213-04	1.29377+00	4.85305+00	6.14662+00	3.18182+01	3.60513+00	1.14374+00
2.2	2.909-04	1.35262+00	4.68689+00	6.03931+00	3.10439+01	3.82445+00	1.12027+00

T= 8600

LOG O	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.039-09	7.100-13	4.942-11	2.221-16	1.004-25	3.693-23	1.876-22	4.506-09	3.327-11
-6.8	6.274-09	2.104-12	1.372-10	7.192-16	1.203-24	2.501-22	1.232-21	9.997-09	6.702-11
-6.6	1.793-08	5.771-12	3.645-10	2.159-15	8.095-24	1.365-21	7.219-21	1.908-08	1.276-10
-6.4	4.791-08	1.435-11	1.000-09	6.504-15	4.921-23	6.959-21	3.768-20	3.905-08	1.269-10
-6.2	1.187-07	3.454-11	2.418-09	1.719-12	2.324-22	3.171-20	1.760-19	6.421-08	3.893-10
-6.0	2.742-07	7.629-11	5.447-09	4.447-12	1.006-21	1.305-19	7.432-19	1.091-07	6.307-10
-5.8	5.985-07	1.991-10	1.165-08	1.068-11	4.729-21	4.942-19	2.871-18	1.769-07	9.792-10
-5.6	1.256-06	3.159-10	2.360-08	2.569-11	1.668-20	1.704-18	1.027-17	2.754-07	1.466-09
-5.4	2.438-06	6.023-10	4.576-08	5.981-11	7.636-20	5.716-18	3.465-17	4.130-07	2.129-09
-5.2	4.626-06	1.110-09	8.556-08	1.309-10	2.825-19	1.790-17	1.095-16	6.030-07	3.013-09
-5.0	8.691-06	1.938-09	1.551-07	2.807-10	1.003-18	5.375-17	3.328-16	8.560-07	4.174-09
-4.8	1.517-05	3.479-09	2.743-07	5.809-10	3.433-18	1.559-16	9.750-16	1.189-06	5.660-09
-4.6	2.648-05	5.973-09	4.749-07	1.192-09	1.139-17	4.397-16	2.773-15	1.621-06	7.610-09
-4.4	4.535-05	1.010-08	8.004-07	2.376-09	3.671-17	1.212-15	7.695-15	2.178-06	1.010-08
-4.2	7.659-05	1.656-08	1.357-06	4.630-09	1.193-16	3.280-15	2.084-14	2.909-06	1.325-08
-4.0	1.277-04	2.785-08	2.252-06	8.822-09	3.535-16	8.744-15	5.606-14	3.826-06	1.724-08
-3.8	2.106-04	4.625-08	3.703-06	1.663-08	1.008-15	2.303-14	1.482-13	4.970-06	2.260-08
-3.6	3.447-04	7.632-08	6.044-06	3.055-08	3.110-15	6.088-14	3.835-13	6.389-06	2.870-08
-3.4	5.681-04	1.293-07	9.855-06	5.674-08	8.889-15	1.595-13	1.005-12	8.216-06	3.677-08
-3.2	9.056-04	1.941-07	1.583-05	9.307-08	2.529-14	3.999-13	2.587-12	1.051-05	4.694-08
-3.0	1.498-03	3.219-07	2.584-05	1.805-07	7.026-14	1.023-12	6.617-12	1.340-05	5.983-08
-2.8	2.320-03	5.000-07	4.074-05	2.917-07	1.922-13	2.603-12	1.663-11	1.700-05	7.607-08
-2.6	3.707-03	8.091-07	6.504-05	4.859-07	5.109-13	6.606-12	4.259-11	2.149-05	9.660-08
-2.4	5.870-03	1.279-06	1.035-04	8.329-07	1.384-12	1.669-11	1.071-10	2.702-05	1.226-07
-2.2	9.235-03	2.043-06	1.640-04	1.504-06	3.651-12	4.199-11	2.673-10	3.375-05	1.555-07
-2.0	1.440-02	3.265-06	2.589-04	2.710-06	9.543-12	1.051-10	6.611-10	4.179-05	1.974-07
-1.8	2.217-02	5.225-06	4.065-04	3.727-06	2.473-11	2.616-10	1.614-09	5.110-05	2.508-07
-1.6	3.359-02	8.376-06	6.334-04	6.045-06	6.352-11	6.458-10	3.872-09	6.141-05	3.190-07
-1.4	4.977-02	1.367-05	9.777-04	9.718-06	1.617-10	1.578-09	9.083-09	7.208-05	4.063-07
-1.2	7.174-02	2.173-05	1.491-03	1.569-05	4.064-10	3.807-09	2.071-08	8.205-05	5.177-07
-1.0	1.001-01	3.518-05	2.241-03	2.416-05	1.004-09	9.043-09	4.566-08	8.995-05	6.585-07
-.8	1.348-01	5.710-05	3.313-03	3.790-05	2.421-09	2.110-08	9.702-08	9.444-05	8.336-07
-.6	1.749-01	9.276-05	4.810-03	5.453-05	5.630-09	4.830-08	1.984-07	9.465-05	1.046-06
-.4	2.186-01	1.503-04	6.854-03	7.719-05	1.256-08	1.083-07	3.909-07	9.059-05	1.276-06
-.2	2.650-01	2.431-04	9.585-03	1.039-04	2.652-08	2.300-07	7.419-07	8.278-05	1.582-06
.0	3.110-01	3.904-04	1.316-02	1.324-04	5.292-08	5.121-07	1.362-06	7.280-05	1.906-06
.2	3.554-01	6.215-04	1.775-02	1.603-04	9.995-08	1.080-06	2.427-06	6.198-05	2.257-06
.4	3.980-01	9.784-04	2.393-02	1.954-04	1.797-07	2.233-06	4.207-06	5.147-05	2.643-06
.6	4.343-01	1.520-03	3.068-02	2.068-04	3.101-07	4.527-06	7.110-06	4.203-05	3.064-06
.8	4.675-01	2.327-03	3.938-02	2.269-04	5.174-07	9.010-06	1.174-05	3.402-05	3.526-06
1.0	4.962-01	3.500-03	4.972-02	2.308-04	8.408-07	1.762-05	1.897-05	2.753-05	4.041-06
1.2	5.208-01	5.163-03	6.183-02	2.468-04	1.337-06	3.393-05	3.003-05	2.247-05	4.634-06
1.4	5.416-01	7.450-03	7.568-02	2.590-04	2.088-06	6.457-05	4.659-05	1.870-05	5.365-06
1.6	5.592-01	1.050-02	9.116-02	2.665-04	3.218-06	1.222-04	7.088-05	1.605-05	6.269-06
1.8	5.741-01	1.442-02	1.081-01	2.726-04	4.903-06	2.329-04	1.057-04	1.443-05	7.491-06
2.0	5.871-01	1.930-02	1.260-01	2.773-04	7.470-06	4.552-04	1.545-04	1.366-05	9.372-06
2.2	5.986-01	2.515-02	1.445-01	2.805-04	1.122-05	9.398-04	2.214-04	1.474-05	1.263-05

T= 8600

LOG O	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.113-24	2.566-08	2.260-13	1.569-10	3.612-01	8.911-10	9.196-02	4.267-13	1.082-03
-6.8	9.218-24	5.271-08	4.961-13	3.446-10	3.601-01	5.638-10	8.691-02	2.742-13	1.730-03
-6.6	3.645-23	1.025-07	1.050-12	6.135-10	3.512-01	3.856-10	8.088-02	1.770-13	1.563-03
-6.4	1.308-22	1.685-07	2.141-12	1.123-09	3.308-01	2.559-10	7.409-02	1.167-13	1.388-03
-6.2	4.280-22	3.286-07	4.206-12	1.968-09	2.872-01	1.705-10	6.680-02	7.462-14	1.215-03
-6.0	1.269-21	5.450-07	7.982-12	3.216-09	2.611-01	1.138-10	5.933-02	4.883-14	1.050-03
-5.8	3.611-21	8.648-07	1.467-11	5.003-09	2.137-01	7.586-11	5.196-02	3.172-14	8.977-04
-5.6	9.516-21	1.320-06	2.619-11	7.733-09	2.060-01	5.043-11	4.491-02	2.067-14	7.601-04
-5.4	2.383-20	1.950-06	4.552-11	1.139-08	1.790-01	3.338-11	3.835-02	1.345-14	6.330-04
-5.2	5.718-20	2.801-06	7.719-11	1.631-08	1.534-01	2.199-11	3.240-02	8.735-15	5.313-04
-5.0	1.325-19	3.978-06	1.280-10	2.283-08	1.299-01	1.441-11	2.711-02	5.655-15	4.393-04
-4.8	2.984-19	5.600-06	2.077-10	3.133-08	1.089-01	9.397-12	2.249-02	3.650-15	3.610-04
-4.6	6.564-19	7.304-06	3.305-10	4.232-08	9.042-02	6.098-12	1.852-02	2.349-15	2.950-04
-4.4	1.417-18	9.744-06	5.156-10	5.641-08	7.449-02	3.941-12	1.515-02	1.508-15	2.399-04
-4.2	3.012-18	1.286-05	7.896-10	7.438-08	6.097-02	2.537-12	1.233-02	9.654-16	1.963-04
-4.0	6.372-18	1.681-05	1.187-09	9.720-08	4.962-02	1.628-12	9.995-03	6.169-16	1.569-04
-3.8	1.314-17	2.181-05	1.753-09	1.261-07	4.070-02	1.042-12	8.070-03	3.935-16	1.263-04
-3.6	2.710-17	2.814-05	2.544-09	1.627-07	3.264-02	6.655-13	6.496-03	2.506-16	1.014-04
-3.4	5.552-17	3.612-05	3.631-09	2.090-07	2.610-02	4.242-13	5.217-03	1.595-16	8.126-05
-3.2	1.132-16	4.618-05	5.101-09	2.674-07	2.095-02	2.700-13	4.182-03	1.014-16	6.504-05
-3.0	2.299-16	5.884-05	7.059-09	3.412-07	1.677-02	1.716-13	3.348-03	6.444-17	5.200-05
-2.8	4.654-16	7.474-05	9.635-09	4.345-07	1.340-02	1.089-13	2.677-03	4.095-17	4.155-05
-2.6	9.404-16	9.468-05	1.295-08	5.526-07	1.068-02	6.907-14	2.140-03	2.603-17	3.319-05
-2.4	1.898-15	1.196-04	1.732-08	7.023-07	8.498-03	4.372-14	1.710-03	1.655-17	2.652-05
-2.2	3.828-15	1.506-04	2.287-08	8.926-07	6.742-03	2.761-14	1.367-03	1.053-17	2.120-05
-2.0	7.724-15	1.887-04	2.993-08	1.136-06	5.329-03	1.738-14	1.094-03	6.713-18	1.697-05
-1.8	1.562-14	2.352-04	3.885-08	1.449-06	4.190-03	1.088-14	8.769-04	4.285-18	1.361-05
-1.6	3.167-14	2.908-04	4.999-08	1.858-06	3.270-03	5.764-15	7.042-04	2.740-18	1.094-05
-1.4	6.456-14	3.556-04	6.365-08	2.388-06	2.526-03	4.155-15	5.666-04	1.753-18	8.815-06
-1.2	1.325-13	4.283-04	7.989-08	3.099-06	1.923-03	2.510-15	4.564-04	1.120-18	7.118-06
-1.0	2.747-13	5.057-04	9.817-08	4.065-06	1.437-03	1.482-15	3.674-04	7.123-19	5.750-06
-.8	5.755-13	5.830-04	1.169-07	5.397-06	1.050-03	8.491-16	2.944-04	4.482-19	4.632-06
-.6	1.221-12	6.536-04	1.335-07	7.263-06	7.470-04	4.700-16	2.346-04	2.776-19	3.710-06
-.4	2.618-12	7.114-04	1.443-07	9.903-06	5.169-04	2.506-16	1.849-04	1.685-19	2.946-06
-.2	5.668-12	7.518-04	1.468-07	1.366-05	3.481-04	1.289-16	1.438-04	1.001-19	2.316-06
.0	1.234-11	7.731-04	1.402-07	1.899-05	2.287-04	6.471-17	1.105-04	5.834-20	1.803-06
.2	2.690-11	7.766-04	1.265-07	2.652-05	1.473-04	3.125-17	8.401-05	3.351-20	1.393-06
.4	5.840-11	7.654-04	1.089-07	3.703-05	9.345-05	1.500-17	6.331-05	1.910-20	1.072-06
.6	1.257-10	7.440-04	9.062-08	5.149-05	5.877-05	7.174-18	4.745-05	1.068-20	8.250-07
.8	2.671-10	7.171-04	7.395-08	7.104-05	3.687-05	3.460-18	3.551-05	6.257-21	6.390-07
1.0	5.583-10	6.892-04	5.997-08	9.695-05	2.323-05	1.703-18	2.665-05	3.665-21	4.988-07
1.2	1.145-09	6.649-04	4.893-08	1.306-04	1.481-05	8.671-19	2.015-05	2.211-21	3.969-07
1.4	2.305-09	6.484-04	4.066-08	1.737-04	9.635-06	4.640-19	1.546-05	1.392-21	3.241-07
1.6	4.572-09	6.430-04	3.487-08	2.286-04	6.455-06	2.656-19	1.211-05	9.304-22	2.741-07
1.8	9.034-09	6.625-04	3.134-08	3.001-04	4.507-06	1.666-19	9.796-06	6.739-22	2.434-07
2.0	1.818-08	7.151-04	3.014-08	3.993-04	3.335-06	1.189-19	8.304-06	5.482-22	2.310-07
2.2	3.860-08	8.366-04	3.209-08	5.559-04	2.690-06	1.034-19	7.580-06	5.371-22	2.420-07

T= 8600

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.647-10	8.947-05	4.676-11	9.371-09	6.612-02	2.206-02	6.741-04	6.445-07	8.200-06
-6.8	1.030-10	9.231-05	4.676-11	6.588-09	9.371-02	3.179-02	9.118-04	1.037-06	8.480-06
-6.6	6.452-11	9.562-05	3.359-11	4.756-09	1.286-01	4.266-02	1.187-03	1.564-06	8.829-06
-6.4	4.055-11	9.943-05	2.472-11	3.521-09	1.701-01	5.523-02	1.491-03	2.277-06	9.243-06
-6.2	2.560-11	1.036-04	1.857-11	2.669-09	2.185-01	6.906-02	1.810-03	3.289-06	9.712-06
-6.0	1.624-11	1.078-04	1.418-11	2.060-09	2.709-01	8.362-02	2.132-03	4.664-06	1.022-05
-5.8	1.034-11	1.117-04	1.095-11	1.611-09	3.257-01	9.836-02	2.448-03	6.497-06	1.075-05
-5.6	6.602-12	1.151-04	8.510-12	1.276-09	3.808-01	1.124-01	2.755-03	8.880-06	1.127-05
-5.4	4.223-12	1.177-04	6.628-12	1.015-09	4.343-01	1.264-01	3.038-03	1.182-05	1.178-05
-5.2	2.703-12	1.191-04	5.157-12	8.115-10	4.847-01	1.390-01	3.285-03	1.571-05	1.226-05
-5.0	1.729-12	1.193-04	3.995-12	6.499-10	5.308-01	1.504-01	3.513-03	2.083-05	1.269-05
-4.8	1.106-12	1.180-04	3.076-12	5.209-10	5.726-01	1.605-01	3.712-03	2.747-05	1.308-05
-4.6	7.061-13	1.153-04	2.348-12	4.174-10	6.082-01	1.693-01	3.883-03	3.235-05	1.342-05
-4.4	4.504-13	1.111-04	1.774-12	3.343-10	6.392-01	1.766-01	4.029-03	3.977-05	1.371-05
-4.2	2.870-13	1.055-04	1.326-12	2.675-10	6.656-01	1.823-01	4.152-03	4.846-05	1.396-05
-4.0	1.827-13	9.874-05	9.794-13	2.139-10	6.876-01	1.861-01	4.254-03	5.784-05	1.417-05
-3.8	1.161-13	9.103-05	7.126-13	1.708-10	7.059-01	1.925-01	4.338-03	6.671-05	1.434-05
-3.6	7.380-14	8.256-05	5.120-13	1.364-10	7.208-01	1.965-01	4.409-03	7.593-05	1.448-05
-3.4	4.687-14	7.394-05	3.629-13	1.089-10	7.329-01	1.996-01	4.465-03	8.662-05	1.460-05
-3.2	2.975-14	6.519-05	2.536-13	8.675-11	7.425-01	2.014-01	4.512-03	9.662-05	1.470-05
-3.0	1.889-14	5.659-05	1.752-13	6.916-11	7.499-01	2.034-01	4.551-03	1.054-04	1.479-05
-2.8	1.199-14	4.867-05	1.195-13	5.513-11	7.556-01	2.050-01	4.585-03	1.145-04	1.486-05
-2.6	7.616-15	4.130-05	8.064-14	4.396-11	7.599-01	2.065-01	4.615-03	1.224-04	1.493-05
-2.4	4.842-15	3.468-05	5.388-14	3.507-11	7.605-01	2.079-01	4.645-03	1.295-04	1.500-05
-2.2	3.081-15	2.886-05	3.569-14	2.800-11	7.598-01	2.093-01	4.676-03	1.357-04	1.509-05
-2.0	1.964-15	2.381-05	2.345-14	2.239-11	7.562-01	2.109-01	4.713-03	1.410-04	1.519-05
-1.8	1.253-15	1.950-05	1.529-14	1.794-11	7.488-01	2.129-01	4.760-03	1.454-04	1.533-05
-1.6	8.030-16	1.584-05	9.692-15	1.441-11	7.366-01	2.155-01	4.822-03	1.488-04	1.552-05
-1.4	5.147-16	1.274-05	6.328-15	1.161-11	7.182-01	2.188-01	4.906-03	1.511-04	1.579-05
-1.2	3.297-16	1.011-03	3.384-15	9.371-12	6.925-01	2.232-01	5.017 03	1.517-04	1.614-05
-1.0	2.104-16	7.860-06	2.447-15	7.566-12	6.587-01	2.287-01	5.157-03	1.503-04	1.658-05
-.8	1.330-16	5.932-06	1.449-15	6.093-12	6.170-01	2.352-01	5.329-03	1.455-04	1.713-05
-.6	8.286-17	4.296-06	8.164-16	4.878-12	5.685-01	2.425-01	5.527-03	1.366-04	1.776-05
-.4	5.070-17	2.954-06	4.325-16	3.871-12	5.150-01	2.501-01	5.745-03	1.228-04	1.846-05
-.2	3.044-17	1.914-06	2.140-16	3.041-12	4.589-01	2.575-01	5.976-03	1.053-04	1.920-05
.0	1.798-17	1.148-06	9.903-17	2.285-12	4.025-01	2.641-01	6.211-03	8.573-05	1.998-05
.2	1.050-17	6.747-07	4.327-17	1.825-12	3.479-01	2.695-01	6.443-03	6.651-05	2.070-05
.4	6.117-18	3.734-07	1.812-17	1.400-12	2.988-01	2.730-01	6.667-03	4.950-05	2.142-05
.6	3.583-18	2.008-07	7.416-18	1.073-12	2.502-01	2.743-01	6.880-03	3.563-05	2.210-05
.8	2.133-18	1.064-07	3.024-18	8.251-13	2.088-01	2.730-01	7.080-03	2.516-05	2.274-05
1.0	1.306-18	5.632-08	1.253-18	6.390-13	1.727-01	2.688-01	7.270-03	1.749-05	2.335-05
1.2	8.330-19	3.019-08	5.380-19	5.010-13	1.416-01	2.614-01	7.450-03	1.207-05	2.393-05
1.4	5.627-19	1.657-08	2.441-19	3.997-13	1.152-01	2.507-01	7.625-03	8.302-06	2.449-05
1.6	4.105-19	9.429-09	1.196-19	3.260-13	9.296-02	2.365-01	7.795-03	5.707-06	2.504-05
1.8	3.321-19	5.628-09	6.697-20	2.732-13	7.430-02	2.191-01	7.965-03	3.919-06	2.558-05
2.0	3.107-19	3.579-09	4.062-20	2.369-13	5.867-02	1.984-01	8.136-03	2.681-06	2.613-05
2.2	3.639-19	2.485-09	3.143-20	2.152-13	4.554-02	1.747-01	8.310-03	1.815-06	2.669-05

T= 8600

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	4.552-01	3.65377+00	4.97322+01	5.3386C+01	1.19234+02	-4.93891+00	3.65428+00
-6.8	4.368-01	3.53647+00	4.72682+01	5.08C2E+01	1.15114+02	-4.75332+00	3.53506+00
-6.6	4.138-01	3.39559+00	4.43985+01	4.77541+01	1.10648+02	-4.57073+00	3.39521+00
-6.4	3.864-01	3.24384+00	4.12613+01	4.45052+01	1.05982+02	-4.39059+00	3.24459+00
-6.2	3.553-01	3.08744+00	3.80267+01	4.11142+01	1.01290+02	-4.21265+00	3.08812+00
-6.0	3.216-01	2.93429+00	3.48579+01	3.77922+01	9.67344+01	-4.03414+00	2.93497+00
-5.8	2.867-01	2.79059+00	3.18835+01	3.46746+01	9.24422+01	-3.85595+00	2.79156+00
-5.6	2.518-01	2.66038+00	2.91872+01	3.18476+01	8.84916+01	-3.67670+00	2.66102+00
-5.4	2.181-01	2.54563+00	2.68103+01	2.93559+01	8.49164+01	-3.49585+00	2.54624+00
-5.2	1.865-01	2.44670+00	2.47605+01	2.72072+01	8.17177+01	-3.31307+00	2.44729+00
-5.0	1.576-01	2.36288+00	2.30234+01	2.53863+01	7.88738+01	-3.12821+00	2.36342+00
-4.8	1.319-01	2.29282+00	2.15711+01	2.38639+01	7.63500+01	-2.94128+00	2.29331+00
-4.6	1.094-01	2.23488+00	2.03698+01	2.26047+01	7.41066+01	-2.75239+00	2.23533+00
-4.4	9.001-02	2.18734+00	1.93843+01	2.15717+01	7.21033+01	-2.56173+00	2.18775+00
-4.2	7.362-02	2.14858+00	1.85809+01	2.07295+01	7.03019+01	-2.36950+00	2.14895+00
-4.0	5.989-02	2.11712+00	1.79291+01	2.00462+01	6.86680+01	-2.17590+00	2.11746+00
-3.8	4.851-02	2.09164+00	1.74017+01	1.94934+01	6.71718+01	-1.98116+00	2.09194+00
-3.6	3.916-02	2.07100+00	1.69755+01	1.90465+01	6.57873+01	-1.78547+00	2.07127+00
-3.4	3.152-02	2.05421+00	1.66304+01	1.86846+01	6.44925+01	-1.58900+00	2.05445+00
-3.2	2.531-02	2.04040+00	1.63492+01	1.83897+01	6.32686+01	-1.39193+00	2.04062+00
-3.0	2.030-02	2.02880+00	1.61168+01	1.81456+01	6.22093+01	-1.19441+00	2.02899+00
-2.8	1.626-02	2.01864+00	1.59192+01	1.79376+01	6.09694+01	-9.96590-01	2.01881+00
-2.6	1.301-02	2.00914+00	1.57430+01	1.77522+01	5.96662+01	-7.98640-01	2.00929+00
-2.4	1.042-02	1.99961+00	1.55737+01	1.75731+01	5.87739+01	-6.00740-01	1.99956+00
-2.2	8.363-03	1.98838+00	1.53950+01	1.73834+01	5.76768+01	-4.03150-01	1.98849+00
-2.0	6.693-03	1.97468+00	1.51872+01	1.71619+01	5.65564+01	-2.06150-01	1.97477+00
-1.8	5.385-03	1.95668+00	1.49270+01	1.68837+01	5.53908+01	-1.01300-02	1.95674+00
-1.6	4.352-03	1.93251+00	1.45888+01	1.65213+01	5.41568+01	1.84470-01	1.93253+00
-1.4	3.540-03	1.90042+00	1.41494+01	1.60488+01	5.28336+01	3.77200-01	1.90039+00
-1.2	2.905-03	1.85929+00	1.35904+01	1.54497+01	5.14056+01	5.67700-01	1.85919+00
-1.0	2.411-03	1.80919+00	1.29156+01	1.47268+01	4.98898+01	7.55840-01	1.80899+00
-.8	2.028-03	1.75165+00	1.21445+01	1.38961+01	4.82986+01	9.41800-01	1.75131+00
-.6	1.732-03	1.68941+00	1.13137+01	1.30031+01	4.66755+01	1.1260+00	1.68886+00
-.4	1.501-03	1.62571+00	1.04667+01	1.20924+01	4.50652+01	1.30940+00	1.62686+00
-.2	1.319-03	1.56353+00	9.6430+00	1.12072+01	4.35080+01	1.49247+00	1.56227+00
.0	1.171-03	1.50531+00	8.87506+00	1.03804+01	4.2033C+01	1.67598+00	1.50330+00
.2	1.048-03	1.45234+00	8.17946+00	9.63180+00	4.06567+01	1.86062+00	1.44328+00
.4	9.408-04	1.40538+00	7.56468+00	8.97007+00	3.93842+01	2.04615+00	1.40070+00
.6	8.449-04	1.36463+00	7.03041+00	8.39504+00	3.82124+01	2.23337+00	1.35745+00
.8	7.568-04	1.33004 00	6.57098+00	7.90102+00	3.71324+01	2.42222+00	1.31901+00
1.0	6.744-04	1.30163+00	6.17782+00	7.47945+00	3.61339+01	2.61284+00	1.29465+00
1.2	5.968-04	1.27976+00	5.84122+00	7.12098+00	3.52032+01	2.80548+00	1.25355+00
1.4	5.242-04	1.26544+00	5.55160+00	6.81704+00	3.43279+01	3.00059+00	1.22494+00
1.6	4.576-04	1.26082+00	5.30033+00	6.56115+00	3.34954+01	3.19901+00	1.19814+00
1.8	3.989-04	1.26969+00	5.08027+00	6.34998+00	3.26933+01	3.40205+00	1.17263+00
2.0	3.509-04	1.29834+00	4.88608+00	6.18442+00	3.19088+01	3.6117+00	1.14800+00
2.2	3.186-04	1.35666+00	4.71438+00	6.C7104+00	3.11271+01	3.83082+00	1.12394+00

T= 8700

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.203-09	4.725-13	2.863-11	1.341-14	8.926-26	1.915-23	9.220-23	3.420-09	2.632-11
-6.8	3.835-09	1.453-12	9.026-11	4.440-14	6.440-25	1.304-22	6.394-22	7.360-09	5.466-11
-6.6	1.142-08	4.143-12	2.630-10	1.337-13	4.223-24	7.932-22	3.975-21	1.500-08	1.036-10
-6.4	3.261-08	1.093-11	7.106-10	4.163-13	2.506-23	4.288-21	2.201-20	2.908-08	1.969-10
-6.2	8.127-08	2.670-11	1.781-09	1.160-12	1.348-22	2.066-20	1.068-19	5.339-08	3.437-10
-6.0	1.948-07	6.066-11	4.163-09	3.078-12	6.629-22	8.968-20	4.831-19	9.306-08	5.697-10
-5.8	4.376-07	1.304-10	9.135-09	7.769-12	3.007-21	3.528-19	1.950-18	1.545-07	9.022-10
-5.6	9.286-07	2.650-10	1.897-08	1.876-11	1.271-20	1.283-18	7.246-18	2.457-07	1.374-09
-5.4	1.875-06	5.150-10	3.757-08	4.355-11	5.061-20	4.357-18	2.509-17	3.758-07	2.023-09
-5.2	3.626-06	9.642-10	7.130-08	9.780-11	1.913-19	1.399-17	8.186-17	5.562-07	2.897-09
-5.0	6.767-06	1.730-09	1.316-07	2.120-10	6.518-19	4.285-17	2.543-16	8.000-07	4.053-09
-4.8	1.225-05	3.096-09	2.355-07	4.477-10	2.407-18	1.263-16	7.586-16	1.123-06	5.561-09
-4.6	2.164-05	5.364-09	4.120-07	9.214-10	8.094-18	3.611-16	2.189-15	1.546-06	7.509-09
-4.4	3.743-05	9.134-09	7.070-07	1.851-09	2.661-17	1.006-15	6.149-15	2.093-06	1.001-08
-4.2	6.366-05	1.534-08	1.195-06	3.634-09	8.362-17	2.747-15	1.689-14	2.796-06	1.319-08
-4.0	1.068-04	2.547-08	1.994-06	6.998-09	2.594-16	7.375-15	4.550-14	3.688-06	1.723-08
-3.8	1.771-04	4.190-08	3.293-06	1.319-08	7.843-16	1.954-14	1.212-13	4.822-06	2.236-08
-3.6	2.909-04	6.862-08	5.394-06	2.439-08	2.329-15	5.120-14	3.187-13	6.258-06	2.884-08
-3.4	4.743-04	1.111-07	8.776-06	4.426-08	6.726-15	1.330-13	8.297-13	8.071-06	3.702-08
-3.2	7.666-04	1.796-07	1.420-05	7.895-08	1.912-14	3.431-13	2.143-12	1.035-05	4.726-08
-3.0	1.239-03	2.908-07	2.287-05	1.386-07	5.363-14	8.799-13	5.499-12	1.322-05	6.041-08
-2.8	1.985-03	4.634-07	3.669-05	2.396-07	1.469-13	2.245-12	1.403-11	1.681-05	7.689-08
-2.6	3.169-03	7.425-07	5.866-05	4.087-07	3.984-13	5.705-12	3.557-11	2.124-05	9.771-08
-2.4	5.031-03	1.187-06	9.346-05	6.890-07	1.067-12	1.444-11	8.968-11	2.683-05	1.241-07
-2.2	7.936-03	1.898-06	1.484-04	1.149-06	2.824-12	3.638-11	2.245-10	3.361-05	1.574-07
-2.0	1.242-02	3.032-06	2.366-04	1.899-06	7.404-12	9.126-11	5.573-10	4.176-05	1.998-07
-1.8	1.921-02	4.850-06	3.691-04	3.113-06	1.924-11	2.276-10	1.367-09	5.133-05	2.539-07
-1.6	2.929-02	7.770-06	5.768-04	5.063-06	4.997-11	5.636-10	3.302-09	6.212-05	3.229-07
-1.4	4.375-02	1.246-05	8.934-04	8.165-06	1.266-10	1.382-09	7.810-09	7.359-05	4.113-07
-1.2	6.369-02	2.011-05	1.368-03	1.304-05	3.198-10	3.350-09	1.799-08	8.476-05	5.244-07
-1.0	8.988-02	3.251-05	2.067-03	2.053-05	7.957-10	7.999-09	4.012-08	9.426-05	6.680-07
-.8	1.225-01	5.271-05	3.073-03	3.168-05	1.937-09	1.877-08	8.630-08	1.006-04	8.490-07
-.6	1.609-01	8.558-05	4.487-03	4.741-05	4.573-09	4.323-08	1.787-07	1.025-04	1.068-06
-.4	2.038-01	1.388-04	6.432-03	6.827-05	1.036-08	9.757-08	3.560-07	9.976-05	1.331-06
-.2	2.494-01	2.245-04	9.047-03	9.367-05	2.232-08	2.157-07	6.833-07	9.276-05	1.636-06
.0	2.959-01	3.609-04	1.249-02	1.218-04	4.546-08	4.669-07	1.269-06	8.279-05	1.980-06
.2	3.408-01	5.755-04	1.693-02	1.503-04	8.753-08	9.901-07	2.281-06	7.138-05	2.362-06
.4	3.833-01	9.080-04	2.255-02	1.766-04	1.660-07	2.058-06	3.985-06	5.991-05	2.781-06
.6	4.221-01	1.413-03	2.954-02	1.995-04	2.798-07	4.194-06	6.783-06	4.931-05	3.239-06
.8	4.567-01	2.171-03	3.805-02	2.185-04	4.718-07	8.387-06	1.127-05	4.019-05	3.742-06
1.0	4.869-01	3.276-03	4.824-02	2.339-04	7.728-07	1.648-05	1.831-05	3.269-05	4.305-06
1.2	5.129-01	4.747-03	6.020-02	2.463-04	1.237-06	3.189-05	2.912-05	2.679-05	4.954-06
1.4	5.349-01	7.021-03	7.393-02	2.563-04	1.942-06	6.097-05	4.537-05	2.236-05	5.735-06
1.6	5.536-01	9.935-03	8.934-0.	2.644-04	3.005-06	1.160-04	6.929-05	1.923-05	6.731-06
1.8	5.695-01	1.371-02	1.062-01	2.710-04	4.597-06	2.222-04	1.037-04	1.731-05	8.105-06
2.0	5.832-01	1.844-02	1.243-01	2.762-04	6.934-06	4.364-04	1.522-04	1.667-05	1.020-05
2.2	5.953-01	2.414-02	1.430-01	2.799-04	1.060-05	9.059-04	2.188-04	1.779-05	1.385-05

T= 8700

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.563-24	1.851-08	1.673-13	1.297-10	3.668-01	1.411-09	9.401-02	7.419-13	1.962-03
-6.8	7.050-24	3.902-08	3.735-13	2.723-10	3.555-01	9.207-10	8.946-02	4.754-13	1.826-03
-6.6	2.930-23	7.804-08	8.052-13	5.423-10	3.466-01	6.056-10	8.388-02	3.060-13	1.686-03
-6.4	1.104-22	1.476-07	1.672-12	1.021-09	3.220-01	4.010-10	7.741-02	1.978-13	1.496-03
-6.2	3.779-22	2.643-07	3.344-12	1.819-09	3.000-01	2.669-10	7.031-02	1.283-13	1.322-03
-6.0	1.185-21	4.493-07	6.451-12	3.076-09	2.731-01	1.781-10	6.289-02	8.351-14	1.152-03
-5.8	3.636-21	7.285-07	1.204-11	4.986-09	2.483-01	1.188-10	5.543-02	5.442-14	9.916-04
-5.6	9.323-21	1.133-06	2.177-11	7.696-09	2.706-01	7.913-11	4.820-02	3.547-14	8.448-04
-5.4	2.392-20	1.701-06	3.830-11	1.151-08	1.931-01	5.251-11	4.139-02	2.309-14	7.130-04
-5.2	5.856-20	2.471-06	6.567-11	1.671-08	1.667-01	3.469-11	3.514-02	1.501-14	5.967-04
-5.0	1.380-19	3.513-06	1.100-10	2.365-08	1.420-01	2.280-11	2.953-02	9.726-15	4.956-04
-4.8	3.165-19	4.877-06	1.801-10	3.277-08	1.197-01	1.491-11	2.460-02	6.286-15	4.088-04
-4.6	7.005-19	6.649-06	2.889-10	4.460-08	9.984-02	9.699-12	2.032-02	4.051-15	3.351-04
-4.4	1.526-18	8.929-06	4.542-10	5.983-08	8.258-02	6.282-12	1.668-02	2.604-15	2.733-04
-4.2	3.286-18	1.184-05	7.005-10	7.930-08	6.782-02	4.053-12	1.361-02	1.669-15	2.219-04
-4.0	6.998-18	1.555-05	1.060-09	1.041-07	5.535-02	2.606-12	1.105-02	1.068-15	1.795-04
-3.8	1.491-17	2.026-05	1.576-09	1.355-07	4.495-02	1.670-12	8.940-03	6.816-16	1.447-04
-3.6	2.932-17	2.621-05	2.302-09	1.753-07	3.635-02	1.069-12	7.207-03	4.345-16	1.164-04
-3.4	6.126-17	3.373-05	3.304-09	2.257-07	2.929-02	6.816-13	5.795-03	2.767-16	9.337-05
-3.2	1.252-16	4.320-05	4.666-09	2.893-07	2.354-02	4.343-13	4.650-03	1.760-16	7.480-05
-3.0	2.548-16	5.514-05	6.489-09	3.697-07	1.887-02	2.763-13	3.725-03	1.119-16	5.985-05
-2.8	5.167-16	7.015-05	8.898-09	4.712-07	1.509-02	1.756-13	2.981-03	7.116-17	4.785-05
-2.6	1.045-15	8.859-05	1.205-08	5.997-07	1.204-02	1.114-13	2.383-03	4.524-17	3.823-05
-2.4	2.110-15	1.126-04	1.612-08	7.626-07	9.591-03	7.061-14	1.905-03	2.878-17	3.055-05
-2.2	4.258-15	1.419-04	2.135-08	9.694-07	7.619-03	4.466-14	1.523-03	1.832-17	2.443-05
-2.0	8.592-15	1.782-04	2.803-08	1.233-06	6.033-03	2.817-14	1.219-03	1.168-17	1.955-05
-1.8	1.736-14	2.227-04	3.649-08	1.571-06	4.754-03	1.769-14	9.767-04	7.457-18	1.567-05
-1.6	3.516-14	2.763-04	4.711-08	2.009-06	3.723-03	1.104-14	7.841-04	4.770-18	1.259-05
-1.4	7.152-14	3.394-04	6.026-08	2.580-06	2.888-03	6.820-15	6.308-04	3.056-18	1.015-05
-1.2	1.464-13	4.113-04	7.613-08	3.338-06	2.212-03	4.153-15	5.083-04	1.958-18	8.194-06
-1.0	3.021-13	4.896-04	9.446-08	4.359-06	1.666-03	2.478-15	4.097-04	1.250-18	6.626-06
-.8	6.300-13	5.692-04	1.140-07	5.758-06	1.228-03	1.439-15	3.295-04	7.920-19	5.352-06
-.6	1.329-12	6.457-04	1.326-07	7.706-06	8.833-04	8.091-16	2.634-04	4.950-19	4.303-06
-.4	2.836-12	7.109-04	1.466-07	1.045-05	6.181-04	4.387-16	2.086-04	3.037-19	3.434-06
-.2	6.110-12	7.599-04	1.529-07	1.434-05	4.208-04	2.294-16	1.633-04	1.826-19	2.715-06
.0	1.326-11	7.896-04	1.498-07	1.986-05	2.793-04	1.161-16	1.262-04	1.074-19	2.125-06
.2	2.883-11	8.004-04	1.362-07	2.766-05	1.815-04	5.723-17	9.645-05	6.239-20	1.651-06
.4	6.255-11	7.951-04	1.212-07	3.857-05	1.160-04	2.776-17	7.303-05	3.584-20	1.275-06
.6	1.347-10	7.780-04	1.024-07	5.364-05	7.337-05	1.339-17	5.496-05	2.056-20	9.845-07
.8	2.869-10	7.539-04	8.452-08	7.408-05	4.623-05	6.500-18	4.126-05	1.188-20	7.633-07
1.0	6.014-10	7.278-04	6.907-08	1.013-04	2.923-05	3.214-18	3.105-05	6.988-21	5.977-07
1.2	1.239-09	7.045-04	5.665-08	1.369-04	1.868-05	1.643-18	2.353-05	4.231-21	4.761-07
1.4	2.506-09	6.891-04	4.725-08	1.827-04	1.217-05	8.812-19	1.808-05	2.673-21	3.890-07
1.6	4.980-09	6.874-04	4.062-08	2.414-04	8.158-06	5.058-19	1.419-05	1.792-21	3.292-07
1.8	9.947-09	7.079-04	3.658-08	3.184-04	5.700-06	3.186-19	1.150-05	1.304-21	2.924-07
2.0	2.017-08	7.666-04	3.527-08	4.261-04	4.221-06	2.285-19	9.778-06	1.069-21	2.778-07
2.2	4.344-08	9.010-04	3.770-08	5.972-04	3.412-06	2.013-19	8.962-06	1.062-21	2.918-07

T= 0700

LOG P	A**	C*	C**	NO*	N	O	A	C	M
-7.0	2.605-10	8.945-05	9.694-11	1.271-09	5.447-02	1.919-02	5.577-04	5.762-07	8.090-06
-6.8	1.631-10	9.081-05	6.599-11	8.831-09	5.841-02	2.711-02	7.764-04	8.707-07	8.328-06
-6.6	1.023-10	9.178-05	4.449-11	6.255-09	1.095-01	3.704-02	1.025-03	1.322-06	8.611-06
-6.4	6.410-11	9.232-05	3.379-11	4.598-09	1.678-01	4.992-02	1.334-03	1.961-06	9.021-06
-6.2	4.058-11	1.013-04	2.512-11	3.445-09	1.928-01	6.259-02	1.624-03	2.855-06	9.643-06
-6.0	2.573-11	1.054-04	1.903-11	2.635-09	2.431-01	7.635-02	1.968-03	4.087-06	9.458-06
-5.8	1.638-11	1.095-04	1.481-11	2.049-09	2.989-01	9.106-02	2.263-03	5.741-06	1.047-05
-5.6	1.046-11	1.131-04	1.131-11	1.613-09	3.521-01	1.057-01	2.581-03	7.919-06	1.102-05
-5.4	6.692-12	1.160-04	8.736-12	1.280-09	4.047-01	1.198-01	2.874-03	1.072-05	1.152-05
-5.2	4.256-12	1.179-04	6.843-12	1.021-09	4.584-01	1.324-01	3.144-03	1.424-05	1.202-05
-5.0	2.746-12	1.186-04	5.309-12	8.171-10	5.073-01	1.449-01	3.369-03	1.857-05	1.247-05
-4.8	1.757-12	1.179-04	4.095-12	6.547-10	5.511-01	1.556-01	3.693-03	2.382-05	1.289-05
-4.6	1.124-12	1.158-04	3.135-12	5.247-10	5.859-01	1.650-01	3.930-03	3.006-05	1.325-05
-4.4	7.177-13	1.121-04	2.374-12	4.204-10	6.236-01	1.731-01	3.951-03	3.743-05	1.357-05
-4.2	4.578-13	1.070-04	1.783-12	3.365-10	6.523-01	1.793-01	4.086-03	4.547-05	1.384-05
-4.0	2.916-13	1.007-04	1.322-12	2.692-10	6.766-01	1.854-01	4.199-03	5.420-05	1.406-05
-3.8	1.856-13	9.333-05	9.869-13	2.152-10	6.967-01	1.904-01	4.291-03	6.361-05	1.426-05
-3.6	1.180-13	8.518-05	6.979-13	1.714-10	7.133-01	1.943-01	4.371-03	7.334-05	1.441-05
-3.4	7.499-14	7.658-05	4.969-13	1.371-10	7.268-01	1.976-01	4.435-03	8.334-05	1.454-05
-3.2	4.764-14	6.783-05	3.490-13	1.096-10	7.376-01	2.002-01	4.487-03	9.327-05	1.465-05
-3.0	3.025-14	5.925-05	2.419-13	8.723-11	7.461-01	2.024-01	4.531-03	1.028-04	1.474-05
-2.8	1.922-14	5.108-05	1.657-13	6.955-11	7.525-01	2.043-01	4.568-03	1.117-04	1.482-05
-2.6	1.221-14	4.350-05	1.122-13	5.546-11	7.570-01	2.059-01	4.600-03	1.200-04	1.490-05
-2.4	7.763-15	3.666-05	7.524-14	4.424-11	7.594-01	2.073-01	4.630-03	1.273-04	1.497-05
-2.2	4.962-15	3.059-05	4.999-14	3.532-11	7.597-01	2.087-01	4.662-03	1.338-04	1.505-05
-2.0	3.151-15	2.531-05	3.296-14	2.824-11	7.572-01	2.102-01	4.697-03	1.396-04	1.515-05
-1.8	2.013-15	2.079-05	2.156-14	2.262-11	7.514-01	2.121-01	4.740-03	1.441-04	1.528-05
-1.6	1.289-15	1.696-05	1.400-14	1.816-11	7.410-01	2.144-01	4.797-03	1.479-04	1.545-05
-1.4	8.269-16	1.368-05	9.009-15	1.467-11	7.249-01	2.175-01	4.874-03	1.507-04	1.569-05
-1.2	5.313-16	1.093-05	5.719-15	1.186-11	7.018-01	2.215-01	4.976-03	1.520-04	1.601-05
-1.0	3.402-16	8.576-06	3.556-15	9.541-12	6.707-01	2.266-01	5.106-03	1.515-04	1.642-05
-.8	2.145-16	6.560-06	2.143-15	7.703-12	6.316-01	2.328-01	5.268-03	1.490-04	1.694-05
-.6	1.361-16	4.837-06	1.236-15	6.190-12	5.852-01	2.398-01	5.458-03	1.445-04	1.755-05
-.4	8.416-17	3.460-06	6.730-16	4.937-12	5.332-01	2.472-01	5.671-03	1.387-04	1.823-05
-.2	5.110-17	2.258-06	3.432-16	3.900-12	4.777-01	2.546-01	5.900-03	1.326-04	1.896-05
.0	3.050-17	1.412-06	1.636-16	3.050-12	4.211-01	2.614-01	6.135-03	9.360-05	1.971-05
.2	1.799-17	8.344-07	7.743-17	2.364-12	3.657-01	2.671-01	6.370-03	7.379-05	2.047-05
.4	1.055-17	4.705-07	3.644-17	1.822-12	3.133-01	2.710-01	6.598-03	5.578-05	2.120-05
.6	6.223-18	2.566-07	1.709-17	1.401-12	2.652-01	2.728-01	6.816-03	4.076-05	2.190-05
.8	3.719-18	1.373-07	5.400-18	1.080-12	2.220-01	2.720-01	7.023-03	2.835-05	2.256-05
1.0	2.283-18	7.321-08	2.256-18	8.378-13	1.840-01	2.683-01	7.218-03	2.025-05	2.319-05
1.2	1.460-18	3.939-08	9.734-19	6.576-13	1.512-01	2.615-01	7.404-03	1.402-05	2.378-05
1.4	9.876-19	2.167-08	4.431-19	5.249-13	1.233-01	2.514-01	7.583-03	9.554-06	2.436-05
1.6	7.218-19	1.234-08	2.176-19	4.283-13	9.964-02	2.378-01	7.758-03	6.652-06	2.492-05
1.8	5.858-19	7.366-09	1.185-19	3.542-13	7.974-02	2.208-01	7.931-03	4.569-06	2.548-05
2.0	5.512-19	4.685-09	7.442-20	3.118-13	6.303-02	2.004-01	8.105-03	3.124-06	2.603-05
2.2	6.531-19	3.259-09	5.820-20	2.841-13	4.896-02	1.770-01	8.282-03	2.114-06	2.660-05

T= 0700

LOG P	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.629-01	3.70630+00	5.03076+01	5.60139+01	1.20388+02	-4.92769+00	3.70662+00
-6.8	4.469-01	3.59874+00	4.81113+01	5.17100+01	1.16503+02	-4.74644+00	3.59934+00
-6.6	4.262-01	3.46932+00	4.54672+01	4.89365+01	1.12236+02	-4.55638+00	3.46999+00
-6.4	4.010-01	3.32327+00	4.24813+01	4.58051+01	1.07687+02	-4.37506+00	3.32398+00
-6.2	3.717-01	3.16826+00	3.93119+01	4.24901+01	1.03022+02	-4.19581+00	3.16900+00
-6.0	3.393-01	3.01257+00	3.61274+01	3.91390+01	9.84133+01	-4.01769+00	3.01332+00
-5.8	3.049-01	2.86377+00	3.30727+01	3.59336+01	9.40069+01	-3.83975+00	2.86412+00
-5.6	2.698-01	2.72585+00	3.02567+01	3.29825+01	8.99045+01	-3.66113+00	2.72658+00
-5.4	2.353-01	2.60298+00	2.77400+01	3.03430+01	8.61613+01	-3.48116+00	2.60368+00
-5.2	2.025-01	2.49592+00	2.55662+01	2.80421+01	8.27461+01	-3.29960+00	2.49658+00
-5.0	1.722-01	2.40444+00	2.36711+01	2.60755+01	7.97915+01	-3.11561+00	2.40505+00
-4.8	1.448-01	2.32746+00	2.20929+01	2.44204+01	7.71241+01	-2.92974+00	2.32803+00
-4.6	1.206-01	2.26346+00	2.07806+01	2.30441+01	7.47552+01	-2.74187+00	2.26398+00
-4.4	9.966-02	2.21075+00	1.96996+01	2.19104+01	7.26445+01	-2.55209+00	2.21122+00
-4.2	8.177-02	2.16764+00	1.88157+01	2.09833+01	7.07527+01	-2.36064+00	2.16807+00
-4.0	6.670-02	2.13257+00	1.80968+01	2.02294+01	6.90440+01	-2.16772+00	2.13296+00
-3.8	5.415-02	2.10413+00	1.75143+01	1.96185+01	6.74862+01	-1.97355+00	2.10449+00
-3.6	4.379-02	2.08110+00	1.70433+01	1.91244+01	6.60517+01	-1.77833+00	2.08142+00
-3.4	3.530-02	2.06240+00	1.66623+01	1.87246+01	6.47167+01	-1.58225+00	2.06268+00
-3.2	2.838-02	2.04710+00	1.63527+01	1.83998+01	6.34610+01	-1.38549+00	2.04735+00
-3.0	2.278-02	2.03437+00	1.60984+01	1.81328+01	6.22671+01	-1.18820+00	2.03460+00
-2.8	1.825-02	2.02343+00	1.58851+01	1.79086+01	6.11195+01	-9.90540-01	2.02363+00
-2.6	1.462-02	2.01349+00	1.56990+01	1.77124+01	6.00038+01	-7.92680-01	2.01367+00
-2.4	1.170-02	2.00370+00	1.55259+01	1.75295+01	5.89057+01	-5.94790-01	2.00386+00
-2.2	9.372-03	1.99336+00	1.53500+01	1.73431+01	5.78095+01	-3.97110-01	1.99317+00
-2.0	7.515-03	1.98024+00	1.51530+01	1.71333+01	5.66976+01	-1.99910-01	1.98034+00
-1.8	6.040-03	1.96374+00	1.49130+01	1.68767+01	5.55493+01	-3.54000-03	1.96381+00
-1.6	4.873-03	1.94172+00	1.46047+01	1.65444+01	5.43615+01	1.91560-01	1.94175+00
-1.4	3.954-03	1.91234+00	1.42031+01	1.61154+01	5.30522+01	3.84940-01	1.91232+00
-1.2	3.233-03	1.87419+00	1.36890+01	1.55632+01	5.16659+01	5.76190-01	1.87411+00
-1.0	2.671-03	1.82689+00	1.30571+01	1.48846+01	5.01815+01	7.65090-01	1.82671+00
-.8	2.235-03	1.77149+00	1.23212+01	1.40927+01	4.86168+01	9.51710-01	1.77116+00
-.6	1.898- 3	1.71038+00	1.15130+01	1.32234+01	4.70067+01	1.1364.+00	1.70996+00
-.4	1.635-03	1.64674+00	1.06743+01	1.23211+01	4.53951+01	1.32000+00	1.64598+00
-.2	1.429-03	1.58171+00	9.8475+00	1.14308+01	4.38241+01	1.50305+00	1.58239+00
.0	1.264-03	1.52389+00	9.06488+00	1.05888+01	4.23266+01	1.69633+00	1.52196+00
.2	1.127-03	1.46900+00	8.35006+00	9.81907+00	4.09229+01	1.87040+00	1.46591+00
.4	1.010-03	1.42001+00	7.71362+00	9.13363+00	3.96215+01	2.05567+00	1.41529+00
.6	9.066-04	1.37129+00	7.15757+00	8.53486+00	3.84216+01	2.24240+00	1.37005+00
.8	8.122-04	1.34091+00	6.67776+00	8.01866+00	3.73162+01	2.43077+00	1.32340+00
1.0	7.245-04	1.31093+00	6.26644+00	7.57737+00	3.62945+01	2.62095+00	1.29344+00
1.2	6.422-04	1.28772+00	5.91425+00	7.20178+00	3.53442+01	2.81320+00	1.26133+00
1.4	5.652-04	1.27232+00	5.61160+00	6.88392+00	3.44524+01	3.00797+00	1.23165+00
1.6	4.947-04	1.26641+00	5.34967+00	6.61648+00	3.36043+01	3.20608+00	1.20892+00
1.8	4.325-04	1.27435+00	5.12101+00	6.39596+00	3.27930+01	3.40867+00	1.17762+00
2.0	3.817-04	1.30298+00	4.91990+00	6.22288+00	3.19992+01	3.61831+00	1.15231+00
2.2	3.481-04	1.36074+00	4.74265+00	6.10135+00	3.12100+01	3.83715+00	1.12766+00

T= 8800

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.071-10	3.117-13	1.818-11	8.091-15	4.259-26	9.810-24	4.490-23	2.539-09	2.067-11
-6.8	2.927-09	9.914-13	5.882-11	2.750-14	3.206-25	7.034-23	9.275-22	5.574-09	4.340-11
-6.6	9.180-09	2.936-12	1.778-10	8.679-14	2.205-24	4.531-22	2.153-21	1.169-08	8.828-11
-6.4	2.863-08	8.844-12	4.989-10	2.709-13	1.374-23	2.597-21	1.264-20	2.320-08	1.677-10
-6.2	8.907-08	2.639-11	1.298-09	7.788-13	7.751-23	1.323-20	6.610-20	4.398-08	3.009-10
-6.0	1.387-07	4.601-11	3.130-09	2.122-12	3.977-22	6.033-20	3.093-19	7.864-08	5.103-10
-5.8	3.172-07	1.059-10	7.098-09	5.884-12	1.873-21	2.467-19	1.308-18	1.338-07	8.292-10
-5.6	8.926-07	2.256-10	1.513-08	1.352-11	8.179-21	9.395-19	5.059-18	2.174-07	1.276-09
-5.4	1.433-06	4.376-10	3.066-08	3.199-11	3.366-20	3.295-18	1.813-17	3.383-07	1.912-09
-5.2	2.650-06	8.353-10	5.967-08	7.273-11	1.295-19	1.066-17	6.083-17	5.099-07	2.773-09
-5.0	5.375-06	1.534-09	1.112-07	1.602-10	4.779-19	3.401-17	1.935-16	7.488-07	3.921-09
-4.8	9.877-06	2.747-09	2.017-07	3.424-10	1.805-18	1.021-16	5.804-16	1.057-06	5.427-09
-4.6	1.746-0	4.903-09	3.594-07	7.124-10	5.766-18	2.960-16	1.725-15	1.469-06	7.381-09
-4.4	3.085-06	8.263-09	6.175-07	1.445-09	1.904-17	8.367-16	4.908-15	2.005-06	9.834-09
-4.2	5.280-06	1.393-08	1.051-06	2.865-09	6.112-17	2.300-15	1.342-14	2.695-06	1.311-08
-4.0	8.933-06	2.325-08	1.765-06	5.547-09	1.910-16	6.225-15	3.708-14	3.577-06	1.719-08
-3.8	1.490-04	3.841-08	2.920-06	1.055-08	5.827-16	1.659-14	9.931-14	4.698-06	2.238-08
-3.6	2.458-04	6.293-08	4.816-06	1.965-08	1.737-15	4.370-14	2.625-13	6.120-06	2.894-08
-3.4	4.023-04	1.024-07	7.861-06	3.589-08	5.072-15	1.140-13	6.866-13	7.917-06	3.723-08
-3.2	6.539-04	1.658-07	1.275-05	6.438-08	1.552-14	2.950-13	1.780-12	1.018-05	4.771-08
-3.0	1.056-03	2.674-07	2.058-05	1.136-07	4.081-14	7.535-13	4.582-12	1.303-05	6.093-08
-2.8	1.698-03	4.298-07	3.308-05	1.974-07	1.128-13	1.940-12	1.172-11	1.661-05	7.764-08
-2.6	2.715-03	6.890-07	5.296-05	3.382-07	3.073-13	4.939-12	2.979-11	2.107-05	9.875-08
-2.4	4.320-03	1.103-06	8.451-05	5.722-07	8.261-13	1.252-11	7.531-11	2.661-05	1.254-07
-2.2	6.832-03	1.763-06	1.344-04	9.576-07	2.195-12	3.160-11	1.891-10	3.342-05	1.593-07
-2.0	1.072-02	2.817-06	2.128-04	1.587-06	5.772-12	7.943-11	4.709-10	4.167-05	2.022-07
-1.8	1.666-02	4.505-06	3.355-04	2.608-06	1.504-11	1.985-10	1.160-09	5.145-05	2.569-07
-1.6	2.554-02	7.212-06	5.256-04	4.253-06	3.887-11	4.929-10	2.819-09	6.264-05	3.267-07
-1.4	3.944-02	1.157-05	8.167-04	6.882-06	9.956-11	1.213-09	6.717-09	7.482-05	4.161-07
-1.2	5.647-02	1.662-05	1.256-03	1.103-05	2.526-10	2.952-09	1.562-08	8.711-05	5.307-07
-1.0	8.096-02	3.007-05	1.906-03	1.746-05	6.321-10	7.084-09	3.521-08	9.815-05	6.768-07
-.8	1.111-01	4.870-05	2.848-03	2.715-05	1.552-09	1.672-08	7.667-08	1.063-04	8.611-07
-.6	1.477-01	7.902-05	4.184-03	4.114-05	3.708-09	3.873-08	1.607-07	1.102-04	1.089-06
-.4	1.893-01	1.282-04	6.032-03	6.015-05	8.593-09	8.794-08	3.241-07	1.091-04	1.364-06
-.2	2.342-01	2.074-04	8.534-03	8.405-05	1.873-08	1.956-07	6.296-07	1.031-04	1.686-06
.0	2.805-01	3.337-04	1.185-02	1.115-04	3.891-08	4.259-07	1.180-06	9.342-05	2.054-06
.2	3.261-01	5.330-04	1.614-02	1.401-04	7.639-08	9.093-07	2.142-06	8.161-05	2.464-06
.4	3.696-01	8.427-04	2.160-02	1.675-04	1.421-07	1.899-06	3.773-06	6.925-05	2.917-06
.6	4.097-01	1.316-03	2.842-02	1.918-04	2.520-07	3.888-06	6.467-06	5.753-05	3.413-06
.8	4.457-01	2.029-03	3.677-02	2.123-04	4.298-07	7.814-06	1.081-05	4.721-05	3.961-06
1.0	4.774-01	3.065-03	4.679-02	2.290-04	7.102-07	1.543-05	1.766-05	3.861-05	4.575-06
1.2	5.047-01	4.550-03	5.859-02	2.425-04	1.144-06	2.999-05	2.823-05	3.177-05	5.284-06
1.4	5.280-01	6.615-03	7.220-02	2.533-04	1.807-06	5.763-05	4.419-05	2.659-05	6.139-06
1.6	5.478-01	9.397-03	8.753-02	2.622-04	2.807-06	1.102-04	6.776-05	2.292-05	7.234-06
1.8	5.646-01	1.303-02	1.044-01	2.694-04	4.315-06	2.121-04	1.018-04	2.068-05	8.749-06
2.0	5.792-01	1.760-02	1.225-01	2.750-04	6.579-06	4.188-04	1.500-04	1.996-05	1.107-05
2.2	5.920-01	2.316-02	1.414-01	2.791-04	1.002-05	8.739-04	2.164-04	2.138-05	1.514-05

T= 8800

LOG E	O2-	NO+	CO2+	O-	N+	N2+	O+	O2+	4+
-7.0	1.111-24	1.329-08	1.237-13	1.077-10	3.715-01	2.215-09	9.579-02	1.276-12	2.031-03
-6.8	5.300-24	2.869-08	2.806-13	2.318-10	3.618-01	1.440-09	9.173-02	8.156-13	1.909-03
-6.6	2.310-23	5.892-08	6.156-13	4.740-10	3.487-01	9.435-10	8.662-02	5.235-13	1.763-03
-6.4	9.131-23	1.146-07	1.302-12	9.175-10	3.321-01	6.129-10	8.053-02	3.375-13	1.599-03
-6.2	3.274-22	2.108-07	2.650-12	1.679-09	3.118-01	4.137-10	7.369-02	2.184-13	1.427-03
-6.0	1.070-21	3.679-07	5.199-12	2.912-09	2.883-01	2.758-10	6.637-02	1.418-13	1.254-03
-5.8	3.220-21	6.095-07	9.850-12	4.807-09	2.624-01	1.841-10	5.888-02	9.232-14	1.088-03
-5.6	9.014-21	9.672-07	1.807-11	7.594-09	2.350-01	1.228-10	5.152-02	6.014-14	9.333-04
-5.4	2.374-20	1.477-06	3.219-11	1.155-08	2.072-01	8.166-11	4.449-02	3.916-14	7.923-04
-5.2	5.930-20	2.181-06	5.581-11	1.701-08	1.801-01	5.408-11	3.797-02	2.546-14	6.666-04
-5.0	1.424-19	3.132-06	9.440-11	2.436-08	1.545-01	3.564-11	3.206-02	1.552-14	5.562-04
-4.8	3.299-19	4.393-06	1.560-10	3.409-08	1.309-01	2.337-11	2.681-02	1.069-14	4.606-04
-4.6	7.426-19	6.040-06	2.524-10	4.679-08	1.097-01	1.525-11	2.223-02	6.899-15	3.790-04
-4.4	1.633-18	8.170-06	4.000-10	6.320-08	9.117-02	9.899-12	1.830-02	4.439-15	3.100-04
-4.2	3.524-18	1.090-05	6.216-10	8.424-08	7.513-02	6.400-12	1.497-02	2.849-15	2.524-04
-4.0	7.490-18	1.438-05	9.475-10	1.111-07	6.151-02	4.122-12	1.219-02	1.825-15	2.045-04
-3.8	1.572-17	1.881-05	1.418-09	1.452-07	5.007-02	2.647-12	9.876-03	1.166-15	1.652-04
-3.6	3.268-17	2.441-05	2.083-09	1.884-07	4.058-02	1.695-12	7.974-03	7.440-16	1.330-04
-3.4	6.739-17	3.149-05	3.007-09	2.431-07	3.276-02	1.083-12	6.420-03	4.741-16	1.069-04
-3.2	1.381-16	4.043-05	4.270-09	3.122-07	2.636-02	6.908-13	5.156-03	3.018-16	8.572-05
-3.0	2.815-16	5.169-05	5.968-09	3.996-07	2.116-02	4.399-13	4.134-03	1.920-16	6.864-05
-2.8	5.718-16	6.587-05	8.221-09	5.100-07	1.694-02	2.796-13	3.310-03	1.221-16	5.491-05
-2.6	1.158-15	8.367-05	1.117-08	6.496-07	1.353-02	1.778-13	2.648-03	7.769-17	4.390-05
-2.4	2.341-15	1.060-04	1.501-08	8.264-07	1.079-02	1.128-13	2.118-03	4.943-17	3.509-05
-2.2	4.725-15	1.338-04	1.995-08	1.051-06	8.583-03	7.142-14	1.693-03	3.148-17	2.805-05
-2.0	9.535-15	1.684-04	2.626-08	1.336-06	6.806-03	4.513-14	1.355-03	2.007-17	2.245-05
-1.8	1.926-14	2.109-04	3.429-08	1.702-06	5.375-03	2.841-14	1.085-03	1.282-17	1.799-05
-1.6	3.896-14	2.624-04	4.442-08	2.173-06	4.220-03	1.779-14	8.710-04	8.202-18	1.445-05
-1.4	7.912-14	3.236-04	5.703-08	2.786-06	3.287-03	1.105-14	7.006-04	5.259-18	1.164-05
-1.2	1.615-13	3.944-04	7.244-08	3.595-06	2.531-03	6.774-15	5.646-04	3.375-18	9.400-06
-1.0	3.322-13	4.727-04	9.059-08	4.677-06	1.919-03	4.080-15	4.555-04	2.163-18	7.607-06
-.8	6.896-13	5.550-04	1.107-07	6.149-06	1.427-03	2.399-15	3.671-04	1.378-18	6.156-06
-.6	1.447-12	6.354-04	1.308-07	8.185-06	1.037-03	1.366-15	2.945-04	8.682-19	4.966-06
-.4	3.013-12	7.073-04	1.476-07	1.104-05	7.332-04	7.539-16	2.343-04	5.381-19	3.981-06
-.2	6.590-12	7.645-04	1.576-07	1.507-05	5.046-04	4.007-16	1.844-04	3.271-19	3.164-06
.0	1.424-11	8.029-04	1.582-07	2.079-05	3.384-04	2.059-16	1.434-04	1.949-19	2.490-06
.2	3.089-11	8.218-04	1.495-07	2.887-05	2.218-04	1.029-16	1.102-04	1.142-19	1.944-06
.4	6.695-11	8.231-04	1.338-07	4.019-05	1.429-04	5.051-17	8.365-05	6.616-20	1.509-06
.6	1.449-10	8.109-04	1.149-07	5.586-05	9.096-05	2.459-17	6.336-05	3.822-20	1.169-06
.8	3.076-10	7.902-04	9.595-08	7.721-05	5.760-05	1.202-17	4.774-05	2.221-20	9.086-07
1.0	6.467-10	7.664-04	7.909-08	1.058-04	3.654-05	5.974-18	3.602-05	1.312-20	7.129-07
1.2	1.337-09	7.447-04	6.526-08	1.433-04	2.341-05	3.064-18	2.737-05	7.973-21	5.686-07
1.4	2.718-09	7.307-04	5.465-08	1.919-04	1.528-05	1.649-18	2.107-05	5.054-21	4.648-07
1.6	5.455-09	7.310-04	4.712-08	2.547-04	1.025-05	9.694-19	1.657-05	3.401-21	3.936-07
1.8	1.092-08	7.550-04	4.254-08	3.375-04	7.171-06	5.999-19	1.346-05	2.488-21	3.498-07
2.0	2.232-08	8.203-04	4.111-08	4.540-04	5.316-06	4.332-19	1.147-05	2.056-21	3.327-07
2.2	4.849-08	9.685-04	4.412-08	6.405-04	4.305-06	3.864-19	1.056-05	2.071-21	3.505-07

T= 88CC

LOG D	A**	* C*	C**	NE*	N	O	A	C	NC
-7.0	4.C69-10	8.747-05	1.345-1C	1.728-C8	4.477-C2	1.604-02	4.584-04	4.856-07	7.978-06
-6.8	2.552-1C	8.951-05	9.189-11	1.184-C8	6.534-C2	2.301-02	4.446-04	7.447-07	8.193-06
-6.6	1.602-1C	9.215-05	6.430-11	8.322-C9	9.269-C2	3.198-02	8.774-04	1.128-06	8.472-06
-6.4	1.008-1C	9.539-05	4.619-11	6.005-C9	1.273-01	4.249-02	1.149-03	1.585-06	8.819-06
-6.2	6.361-11	9.913-05	3.393-11	4.446-C9	1.690-C1	5.550-02	1.449-03	2.474-06	9.232-06
-6.0	4.C32-11	1.032-04	2.566-11	3.367-C9	2.168-C1	6.935-02	1.747-03	3.675-06	9.700-06
-5.8	2.566-11	1.072-04	1.941-11	2.598-C9	2.691-C1	8.341-02	2.098-03	5.069-06	1.021-05
-5.6	1.619-11	1.110-04	1.447-11	2.033-C9	3.239-C1	9.863-02	2.403-03	7.050-06	1.073-05
-5.4	1.C49-11	1.143-04	1.161-11	1.668-C9	3.790-C1	1.130-01	2.714-03	9.625-06	1.126-05
-5.2	6.774-12	1.164-04	9.027-12	1.280-C9	4.326-C1	1.266-01	2.983-03	1.296-05	1.177-05
-5.0	4.311-12	1.174-04	7.007-12	1.023-C9	4.830-C1	1.392-C1	3.257-03	1.648-05	1.225-05
-4.8	2.763-12	1.176-04	5.415-12	8.189-10	5.293-C1	1.506-01	3.488-03	2.191-05	1.269-05
-4.6	1.769-12	1.160-04	4.156-12	6.563-10	5.707-01	1.604-01	3.641-03	2.773-05	1.307-05
-4.4	1.131-12	1.129-04	3.162-12	5.280-10	6.C7C-C1	1.693-01	3.866-03	3.463-05	1.341-05
-4.2	7.222-13	1.084-04	2.381-12	4.213-10	6.382-C1	1.767-01	4.015-03	4.240-05	1.371-05
-4.0	4.606-13	1.025-04	1.771-12	3.371-10	6.647-C1	1.830-01	4.140-03	5.102-05	1.395-05
-3.8	2.934-13	9.544-05	1.301-12	2.694-10	6.869-C1	1.882-01	4.244-03	6.032-05	1.416-05
-3.6	1.867-13	8.757-05	9.435-13	2.154-10	7.052-C1	1.925-01	4.331-03	7.011-05	1.434-05
-3.4	1.187-13	7.912-05	6.747-13	1.720-10	7.202-C1	1.961-01	4.402-03	8.014-05	1.448-05
-3.2	7.547-14	7.042-05	4.760-13	1.372-10	7.323-C1	1.990-01	4.460-03	9.012-05	1.460-05
-3.0	4.795-14	6.178-05	3.314-13	1.094-10	7.419-C1	2.014-01	4.508-03	9.981-05	1.470-05
-2.8	3.C47-14	5.368-05	2.274-13	8.728-11	7.493-C1	2.034-01	4.549-03	1.090-04	1.479-05
-2.6	1.937-14	4.572-05	1.549-13	6.940-11	7.547-C1	2.051-01	4.584-03	1.174-04	1.486-05
-2.4	1.232-14	3.865-05	1.042-13	5.553-11	7.584-C1	2.066-01	4.616-03	1.251-04	1.494-05
-2.2	7.843-15	3.236-05	6.965-14	4.433-11	7.592-C1	2.091-01	4.647-03	1.319-04	1.502-05
-2.0	5.001-15	2.685-05	4.592-14	3.543-11	7.578-C1	2.096-01	4.642-03	1.377-04	1.511-05
-1.8	3.195-15	2.211-05	3.014-14	2.836-11	7.583-C1	2.113-01	4.723-03	1.427-04	1.523-05
-1.6	2.C47-15	1.807-05	1.964-14	2.274-11	7.446-C1	2.135-01	4.775-03	1.469-04	1.538-05
-1.4	1.314-15	1.465-05	1.270-14	1.832-11	7.306-C1	2.163-01	4.845-03	1.506-04	1.560-05
-1.2	8.452-16	1.176-05	8.117-15	1.479-11	7.100-C1	2.200-01	4.938-03	1.519-04	1.583-05
-1.0	5.433-16	9.302-06	5.100-15	1.196-11	6.816-C1	2.247-01	5.054-03	1.522-04	1.628-05
-.8	3.476-16	7.198-06	3.120-15	9.675-12	6.452-C1	2.305-01	5.211-03	1.433-04	1.676-05
-.6	2..03-16	5.393-06	1.836-15	7.801-12	6.C11-C1	2.372-01	5.393-03	1.441-04	1.734-05
-.4	1.376-16	3.868-06	1.026-15	6.250-12	5.506-C1	2.444-01	5.600-03	1.338-04	1.800-05
-.2	8.443-17	2.629-06	5.396-16	4.963-12	4.960-C1	2.518-01	5.825-03	1.191-04	1.872-05
.0	5.C94-17	1.685-06	2.645-16	3.902-12	4.396-01	2.587-01	6.060-03	1.008-04	1.947-05
.2	3.033-17	1.019-06	1.220-16	3.041-12	3.836-C1	2.646-01	6.297-03	8.115-05	2.023-05
.4	1.79--17	5.858-07	5.347-17	2.354-12	3.300-01	2.689-01	6.529-03	6.234-05	2.097-05
.6	1.C64-17	3.244-07	2.266-17	1.817-12	2.803-01	2.712-01	6.752-03	4.604-05	2.169-05
.8	6.394-18	1.756-07	9.478-18	1.404-12	2.354-01	2.709-01	6.964-03	3.303-05	2.237-05
1.0	3.939-18	9.433-08	3.994-18	1.091-12	1.957-C1	2.678-01	7.165-03	2.330-05	2.302-05
1.2	2.525-18	5.100-08	1.735-18	8.575-13	1.613-C1	2.616-01	7.357-03	1.621-05	2.363-05
1.4	1.711-18	2.813-08	7.925-19	6.850-13	1.317-01	2.520-01	7.540-03	1.121-05	2.422-05
1.6	1.253-18	1.604-08	3.902-19	5.582-13	1.066-01	2.389-01	7.719-03	7.720-06	2.480-05
1.8	1.020-18	9.579-09	2.131-19	4.692-13	8.543-C2	2.224-01	7.896-03	5.305-06	2.536-05
2.0	9.655-19	6.096-09	1.345-19	4.079-13	6.760-C2	2.024-01	8.074-03	3.627-06	2.593-05
2.2	1.158-18	4.248-09	1.063-19	3.727-13	5.256-C2	1.792-01	8.254-03	2.453-06	2.651-05

T= 88CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.694-01	3.75153+00	5.07236+01	5.44751+C1	1.21381+02	-4.91746+00	3.75206+00
-6.8	4.555-01	3.65588+00	4.87922+01	5.24481+01	1.17744+02	-4.72867+00	3.65650+00
-6.6	4.372-01	3.53707+00	4.63919+01	4.99290+01	1.13686+02	-4.54302+00	3.53777+00
-6.4	4.143-01	3.39860+00	4.35930+01	4.69916+01	1.09290+02	-4.36036+00	3.39934+00
-6.2	3.870-01	3.24711+00	4.05294+01	4.37765+01	1.04696+02	-4.18017+00	3.24791+00
-6.0	3.560-01	3.09080+00	3.73668+01	4.04576+01	1.00074+02	-4.00159+00	3.09163+00
-5.8	3.224-01	2.93757+00	3.42651+01	3.72027+01	9.55842+01	-3.82368+00	2.93840+00
-5.6	2.875-01	2.79367+00	3.13510+01	3.41447+01	9.13509+01	-3.64543+00	2.79449+00
-5.4	2.526-01	2.66317+00	2.87073+01	3.13704+01	8.74510+01	-3.46626+00	2.66396+00
-5.2	2.189-01	2.54809+00	2.63750+01	2.89231+01	8.35196+01	-3.28545+00	2.54884+00
-5.0	1.872-01	2.44883+00	2.43627+01	2.68116+01	8.C7573+01	-3.10270+00	2.44954+00
-4.8	1.583-01	2.36669+00	2.26565+01	2.50212+01	7.79433+01	-2.91789+00	2.36535+00
-4.6	1.325-01	2.29434+00	2.12295+01	2.35238+01	7.54441+01	-2.73101+00	2.29496+00
-4.4	1.099-01	2.23613+00	2.00487+01	2.22948+01	7.322C6+01	-2.54217+00	2.23664+00
-4.2	9.048-02	2.18836+00	1.90797+01	2.12680+01	7.12332+01	-2.35154+00	2.19885+00
-4.0	7.402-02	2.14940+00	1.82895+01	2.04385+01	6.94446+01	-2.15935+00	2.14986+00
-3.8	6.023-02	2.11776+00	1.76481+01	1.97655+01	6.782C9+01	-1.96579+00	2.11814+00
-3.6	4.880-02	2.09212+00	1.71289+01	1.92210+01	6.63326+01	-1.77109+00	2.09249+00
-3.4	3.940-02	2.07132+00	1.67090+01	1.87803+01	6.49541+01	-1.57542+00	2.07165+00
-3.2	3.172-02	2.05437+00	1.63684+01	1.84222+01	6.36638+01	-1.37899+00	2.05466+00
-3.0	2.548-02	2.04037+00	1.60901+01	1.81305+01	6.24427+01	-1.18196+00	2.04053+00
-2.8	2.044-02	2.02851+00	1.58589+01	1.78874+01	6.12747+01	-9.84490-01	2.02875+00
-2.6	1.638-02	2.01800+00	1.56606+01	1.76786+01	6.01447+01	-7.86740-01	2.01821+00
-2.4	1.311-02	2.00800+00	1.54812+01	1.74892+01	5.90383+01	-5.88900-01	2.00818+00
-2.2	1.050-02	1.99753+00	1.53056+01	1.73031+01	5.79403+01	-3.91170-01	1.99769+00
-2.0	8.419-03	1.98541+00	1.51163+01	1.71017+01	5.68338+01	-1.93810-01	1.98553+00
-1.8	6.761-03	1.97016+00	1.48924+01	1.68626+01	5.56990+01	2.84000-03	1.97026+00
-1.6	5.447-03	1.95C04+00	1.46099+01	1.65599+01	5.45136+01	1.98380-01	1.95009+00
-1.4	4.410-03	1.92315+00	1.42432+01	1.61664+01	5.32548+01	3.92350-01	1.92315+00
-1.2	3.595-03	1.88788+00	1.37706+01	1.56585+01	5.19044+01	5.84310-01	1.88781+00
-1.0	2.959-03	1.84345+00	1.31814+01	1.50249+01	5.04557+01	7.73970-01	1.84377+00
-.8	2.464-03	1.79040+00	1.24828+01	1.42732+01	4.89200+01	9.61290-01	1.79008+00
-.6	2.080-03	1.73075+00	1.17008+01	1.34316+01	4.73271+01	1.14657+00	1.73021+00
-.4	1.782-03	1.66749+00	1.08748+01	1.25423+01	4.57186+01	1.33040+00	1.66663+00
-.2	1.549-03	1.60387+00	1.00472+01	1.16511+01	4.41377+01	1.51350+00	1.60253+00
.0	1.364-03	1.54270+00	9.25442+00	1.07971+01	4.26206+01	1.69662+00	1.54065+00
.2	1.212-03	1.48603+00	8.52239+00	1.00084+01	4.11914+01	1.88036+00	1.48293+00
.4	1.084-03	1.43506+00	7.86543+00	9.30045+00	3.98621+01	2.06521+00	1.43029+00
.6	9.719-04	1.39037+00	7.28809+00	8.67946+00	3.86344+01	2.25147+00	1.38307+00
.8	8.707-04	1.35216+00	6.78776+00	8.14013+00	3.75030+01	2.43937+00	1.34097+00
1.0	7.772-04	1.32057+00	6.35828+00	7.67885+00	3.64582+01	2.62910+00	1.30338+00
1.2	6.899-04	1.29600+00	5.99014+00	7.29613+00	3.54879+01	2.82094+00	1.26952+00
1.4	6.C85-04	1.27945+00	5.67405+00	6.95343+00	3.45791+01	3.01536+00	1.23860+00
1.6	5.335-04	1.27300+00	5.40104+00	6.67404+00	3.37189+01	3.21316+00	1.20988+00
1.8	4.680-04	1.28037+00	5.16339+00	6.44376+00	3.28939+01	3.41567+00	1.18275+00
2.0	4.145-04	1.30776+00	4.95503+00	6.26279+00	3.20906+01	3.62486+00	1.15674+00
2.2	3.796-04	1.36494+00	4.77194+00	6.13688+00	3.12935+01	3.84345+00	1.13147+00

T= 8900

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.148-10	2.049-13	1.143-11	4.876-15	2.025-26	4.989-24	2.175-23	1.880-09	1.616-11
-6.8	1.404-09	6.723-13	3.808-11	1.698-14	1.587-25	3.749-23	1.659-22	4.212-09	3.510-11
-6.6	4.477-09	2.062-12	1.191-10	5.624-14	1.142-24	2.548-22	1.150-21	9.044-09	7.269-11
-6.4	1.334-08	5.866-12	3.468-10	1.764-13	7.464-24	1.546-21	7.142-21	1.869-08	1.415-10
-6.2	3.694-08	1.543-11	9.358-10	5.219-13	4.414-23	8.338-21	3.952-20	3.587-08	2.606-10
-6.0	9.503-08	3.760-11	2.343-09	1.459-12	2.367-22	4.007-20	1.951-19	6.590-08	4.536-10
-5.8	2.279-07	8.549-11	5.471-09	3.980-12	1.159-21	1.731-19	8.660-19	1.149-07	7.497-10
-5.6	5.124-07	1.826-10	1.159-08	9.719-12	5.230-21	6.810-19	3.496-18	1.910-07	1.166-09
-5.4	1.088-06	3.703-10	2.389-08	2.341-11	2.207-20	2.471-18	1.297-17	3.038-07	1.709-09
-5.2	2.197-06	7.182-10	4.925-08	5.419-11	8.731-20	8.390-18	4.495-17	4.650-07	2.644-09
-5.0	4.253-06	1.342-09	9.367-08	1.211-10	3.229-19	2.695-17	1.465-16	6.809-07	3.781-09
-4.8	7.940-06	2.433-09	1.723-07	2.621-10	1.157-18	8.220-17	4.543-16	9.607-07	5.282-09
-4.6	1.436-05	4.300-09	3.083-07	5.514-10	4.111-18	2.421-16	1.356-15	1.332-06	7.239-09
-4.4	2.540-05	7.442-09	5.390-07	1.130-09	1.375-17	6.915-16	3.916-15	1.816-06	9.767-09
-4.2	4.395-05	1.266-08	9.249-07	2.251-09	4.469-17	1.928-15	1.083-14	2.594-06	1.301-08
-4.0	7.476-05	2.125-08	1.563-06	4.421-09	1.411-16	5.255-15	3.019-14	3.664-06	1.713-08
-3.8	1.254-04	3.527-08	2.607-06	8.661-09	4.344-16	1.410-14	8.145-14	4.573-06	2.238-08
-3.6	2.080-04	5.800-08	4.306-06	1.586-08	1.306-15	3.735-14	2.166-13	5.981-06	2.902-08
-3.4	3.417-04	9.469-08	7.052-06	2.916-08	3.841-15	9.784-14	5.694-13	7.764-06	3.743-08
-3.2	5.572-04	1.537-07	1.147-05	5.264-08	1.107-14	2.541-13	1.482-12	1.001-05	4.805-08
-3.0	9.026-04	2.482-07	1.856-05	9.339-08	3.130-14	6.553-13	3.828-12	1.285-05	6.146-08
-2.8	1.454-03	3.995-07	2.988-05	1.630-07	8.700-14	1.680-12	9.817-12	1.640-05	7.840-08
-2.6	2.331-03	6.412-07	4.792-05	2.806-07	2.381-13	4.285-12	2.502-11	2.085-05	9.981-08
-2.4	3.716-03	1.027-06	7.659-05	4.766-07	6.426-13	1.088-11	6.341-11	2.639-05	1.269-07
-2.2	5.891-03	1.643-06	1.220-04	8.003-07	1.714-12	2.752-11	1.596-10	3.322-05	1.612-07
-2.0	9.275-03	2.626-06	1.935-04	1.330-06	4.522-12	6.929-11	3.989-10	4.155-05	2.047-07
-1.8	1.447-02	4.198-06	3.055-04	2.192-06	1.182-11	1.736-10	9.868-10	5.150-05	2.600-07
-1.6	2.229-02	6.718-06	4.797-04	3.583-06	3.042-11	4.320-10	2.410-09	6.305-05	3.306-07
-1.4	3.376-02	1.077-05	7.476-04	5.812-06	7.667-11	1.066-09	5.782-09	7.587-05	4.211-07
-1.2	5.002-02	1.731-05	1.154-03	9.347-06	2.003-10	2.605-09	1.356-08	8.910-05	5.370-07
-1.0	7.208-02	2.792-05	1.759-03	1.487-05	5.037-10	6.280-09	3.069-08	1.017-04	6.854-07
-.8	1.005-01	4.517-05	2.642-03	2.323-05	1.246-09	1.490-08	6.804-08	1.118-04	8.736-07
-.6	1.353-01	7.322-05	3.902-03	3.565-05	3.008-09	3.472-08	1.444-07	1.177-04	1.108-06
-.4	1.755-01	1.197-04	5.658-03	5.284-05	7.010-09	7.931-08	2.947-07	1.184-04	1.394-06
-.2	2.195-01	1.921-04	8.050-03	7.510-05	1.567-08	1.774-07	5.789-07	1.138-04	1.733-06
.0	2.655-01	3.095-04	1.124-02	1.015-04	3.320-08	3.887-07	1.097-06	1.047-04	2.124-06
.2	3.115-01	4.951-04	1.539-02	1.301-04	6.644-08	8.337-07	2.009-06	9.268-05	2.583-06
.4	3.558-01	7.842-04	2.070-02	1.582-04	1.258-07	1.751-06	3.568-06	7.955-05	3.051-06
.6	3.970-01	1.227-03	2.736-02	1.837-04	2.265-07	3.606-06	6.162-06	6.672-05	3.589-06
.8	4.344-01	1.894-03	3.553-02	2.057-04	3.910-07	7.283-06	1.037-05	5.516-05	4.183-06
1.0	4.675-01	2.874-03	4.539-02	2.258-04	6.521-07	1.445-05	1.704-05	4.538-05	4.851-06
1.2	4.962-01	4.261-03	5.705-02	2.384-04	1.058-06	2.822-05	2.736-05	3.751-05	5.623-06
1.4	5.208-01	6.245-03	7.053-02	2.502-04	1.681-06	5.447-05	4.302-05	3.150-05	6.557-06
1.6	5.418-01	8.905-03	8.579-02	2.598-04	2.626-06	1.047-04	6.625-05	2.723-05	7.755-06
1.8	5.596-01	1.240-02	1.027-01	2.675-04	4.050-06	2.024-04	9.994-05	2.461-05	9.420-06
2.0	5.750-01	1.682-02	1.208-01	2.737-04	6.201-06	4.018-04	1.477-04	2.381-05	1.198-05
2.2	5.885-01	2.224-02	1.398-01	2.783-04	9.480-06	8.425-04	2.138-04	2.561-05	1.650-05

T= 8900

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.915-25	9.518-09	9.152-14	8.896-11	3.753-01	3.449-09	9.732-02	2.171-12	2.089-03
-6.8	3.924-24	2.059-08	2.105-13	1.956-10	3.670-01	2.234-09	9.374-02	1.385-12	1.982-03
-6.6	1.788-23	4.421-08	4.695-13	4.102-10	3.558-01	1.458-09	8.910-02	8.864-13	1.850-03
-6.4	7.413-23	9.833-08	1.010-12	8.157-10	3.410-01	9.594-10	8.344-02	5.698-13	1.697-03
-6.2	2.785-22	1.669-07	2.094-12	1.534-09	3.225-01	6.356-10	7.690-02	3.679-13	1.529-03
-6.0	9.506-22	2.965-07	4.178-12	2.728-09	3.005-01	4.232-10	6.975-02	2.384-13	1.356-03
-5.8	2.972-21	5.069-07	8.042-12	4.608-09	2.757-01	2.825-10	6.229-02	1.549-13	1.186-03
-5.6	8.600-21	8.212-07	1.497-11	7.431-09	2.489-01	1.886-10	5.484-02	1.008-13	1.025-03
-5.4	2.328-20	1.276-06	2.701-11	1.150-08	2.212-01	1.256-10	4.763-02	6.564-14	8.754-04
-5.2	5.962-20	1.915-06	4.737-11	1.719-08	1.937-01	8.338-11	4.086-02	4.270-14	7.405-04
-5.0	1.458-19	2.786-06	8.098-11	2.494-08	1.672-01	5.510-11	3.466-02	2.772-14	6.209-04
-4.8	3.430-19	3.950-06	1.351-10	3.527-08	1.425-01	3.623-11	2.911-02	1.796-14	5.165-04
-4.6	7.820-19	5.481-06	2.205-10	4.885-08	1.201-01	2.370-11	2.423-02	1.160-14	4.265-04
-4.4	1.738-18	7.470-06	3.523-10	6.647-08	1.002-01	1.542-11	2.002-02	7.477-15	3.501-04
-4.2	3.783-18	1.003-05	5.515-10	8.914-08	8.291-02	9.994-12	1.642-02	4.805-15	2.858-04
-4.0	8.096-18	1.330-05	8.465-10	1.181-07	6.809-02	6.450-12	1.340-02	3.080-15	2.322-04
-3.8	1.709-17	1.747-05	1.275-09	1.550-07	5.559-02	4.149-12	1.088-02	1.971-15	1.879-04
-3.6	3.568-17	2.275-05	1.885-09	2.018-07	4.515-02	2.661-12	8.798-03	1.258-15	1.516-04
-3.4	7.384-17	2.943-05	2.738-09	2.611-07	3.651-02	1.702-12	7.092-03	8.026-16	1.219-04
-3.2	1.517-16	3.797-05	3.909-09	3.361-07	2.943-02	1.087-12	5.703-03	5.113-16	9.788-05
-3.0	3.101-16	4.852-05	5.491-09	4.309-07	2.365-02	6.930-13	4.576-03	3.255-16	7.845-05
-2.8	6.310-16	6.192-05	7.599-09	5.507-07	1.896-02	4.412-13	3.667-03	2.071-16	6.280-05
-2.6	1.280-15	7.877-05	1.037-08	7.022-07	1.516-02	2.805-13	2.935-03	1.318-16	5.023-05
-2.4	2.589-15	9.991-05	1.398-08	8.939-07	1.210-02	1.782-13	2.348-03	8.388-17	4.016-05
-2.2	5.229-15	1.263-04	1.865-08	1.137-06	9.637-03	1.130-13	1.878-03	5.343-17	3.212-05
-2.0	1.056-14	1.592-04	2.462-08	1.446-06	7.653-03	7.150-14	1.503-03	3.407-17	2.570-05
-1.8	2.131-14	1.998-04	3.224-08	1.841-06	6.055-03	4.511-14	1.203-03	2.176-17	2.059-05
-1.6	4.310-14	2.493-04	4.188-08	2.349-06	4.766-03	2.833-14	9.655-04	1.393-17	1.653-05
-1.4	8.740-14	3.086-04	5.396-08	3.007-06	3.725-03	1.767-14	7.763-04	8.937-18	1.331-05
-1.2	1.780-13	3.779-04	6.886-08	3.870-06	2.681-03	1.090-14	6.256-04	5.743-18	1.075-05
-1.0	3.651-13	4.559-04	8.669-08	5.018-06	2.199-03	6.613-15	5.050-04	3.690-18	8.700-06
-.8	7.549-13	5.395-04	1.070-07	6.571-06	1.648-03	3.934-15	4.075-04	2.362-18	7.050-06
-.6	1.577-12	6.236-04	1.282-07	8.704-06	1.208-03	2.274-15	3.278-04	1.499-18	5.702-06
-.4	3.331-12	7.014-04	1.474-07	1.168-05	8.630-04	1.272-15	2.620-04	9.376-19	4.590-06
-.2	7.111-12	7.664-04	1.609-07	1.586-05	6.203-04	6.871-16	2.073-04	5.757-19	3.665-06
.0	1.531-11	8.135-04	1.655-07	2.179-05	4.067-04	3.586-16	1.621-04	3.667-19	2.901-06
.2	3.311-11	8.408-04	1.600-07	3.016-05	2.691-04	1.818-16	1.252-04	2.052-19	2.276-06
.4	7.165-11	8.493-04	1.463-07	4.190-05	1.747-04	9.028-17	9.578-05	1.200-19	1.774-06
.6	1.544-10	8.428-04	1.278-07	5.819-05	1.120-04	4.438-17	7.270-05	6.985-20	1.380-06
.8	3.296-10	8.262-04	1.081-07	8.047-05	7.127-05	2.185-17	5.497-05	4.084-20	1.076-06
1.0	6.945-10	8.052-04	9.000-08	1.104-04	4.540-05	1.093-17	4.160-05	2.424-20	8.460-07
1.2	1.441-09	7.855-04	7.476-08	1.499-04	2.917-05	5.630-18	3.169-05	1.479-20	6.757-07
1.4	2.942-09	7.734-04	6.289-08	2.014-04	1.907-05	3.040-18	2.445-05	9.408-21	5.529-07
1.6	5.937-09	7.759-04	5.441-08	2.683-04	1.282-05	1.756-18	1.927-05	6.354-21	4.686-07
1.8	1.196-08	8.037-04	4.924-08	3.571-04	8.971-06	1.114-18	1.568-05	4.672-21	4.106-07
2.0	2.462-08	8.761-04	4.773-08	4.830-04	6.658-06	8.095-19	1.340-05	3.891-21	3.968-07
2.2	5.396-08	1.039-03	5.144-08	6.859-04	5.404-06	7.310-19	1.238-05	3.976-21	4.191-07

T= 8500

LOG C	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	6.284-10	8.665-05	1.904-10	2.343-08	3.673-02	1.937-02	3.749-04	4.098-07	7.891-06
-6.8	3.948-10	8.840-05	1.286-10	1.588-08	5.478-02	1.944-02	5.374-04	6.316-07	8.078-06
-6.6	2.481-10	9.073-05	8.889-11	1.101-08	7.814-02	2.747-02	7.450-04	9.628-07	8.324-06
-6.4	1.562-10	9.366-05	6.299-11	7.845-09	1.091-01	3.749-02	9.953-04	1.448-06	8.638-06
-6.2	9.862-11	9.714-05	4.576-11	5.736-09	1.474-01	4.934-02	1.281-03	2.145-06	9.020-06
-6.0	6.250-11	1.010-04	3.400-11	4.298-09	1.923-01	6.266-02	1.591-03	3.123-06	9.483-06
-5.8	3.977-11	1.050-04	2.572-11	3.287-09	2.426-01	7.695-02	1.913-03	4.466-06	9.952-06
-5.6	2.540-11	1.089-04	1.973-11	2.554-09	2.963-01	9.167-02	2.234-03	6.267-06	1.047-05
-5.4	1.626-11	1.124-04	1.525-11	2.012-09	3.515-01	1.062-01	2.550-03	8.630-06	1.100-05
-5.2	1.043-11	1.151-04	1.184-11	1.597-09	4.061-01	1.203-01	2.864-03	1.168-05	1.152-05
-5.0	6.695-12	1.167-04	9.193-12	1.274-09	4.583-01	1.334-01	3.170-03	1.566-05	1.201-05
-4.8	4.298-12	1.171-04	7.113-12	1.019-09	5.067-01	1.453-01	3.467-03	2.012-05	1.247-05
-4.6	2.754-12	1.160-04	5.472-12	8.167-10	5.506-01	1.560-01	3.755-03	2.571-05	1.288-05
-4.4	1.763-12	1.135-04	4.175-12	6.544-10	5.895-01	1.653-01	3.775-03	3.226-05	1.325-05
-4.2	1.127-12	1.095-04	3.154-12	5.245-10	6.232-01	1.733-01	3.938-03	3.976-05	1.357-05
-4.0	7.196-13	1.041-04	2.356-12	4.199-10	6.520-01	1.801-01	4.076-03	4.814-05	1.384-05
-3.8	4.589-13	9.742-05	1.738-12	3.359-10	6.763-01	1.858-01	4.191-03	5.727-05	1.406-05
-3.6	2.923-13	8.983-05	1.265-12	2.685-10	6.965-01	1.905-01	4.286-03	6.696-05	1.425-05
-3.4	1.860-13	8.155-05	9.088-13	2.145-10	7.130-01	1.945-01	4.365-03	7.696-05	1.441-05
-3.2	1.183-13	7.293-05	6.439-13	1.712-10	7.265-01	1.977-01	4.430-03	8.700-05	1.454-05
-3.0	7.522-14	6.427-05	4.502-13	1.366-10	7.373-01	2.003-01	4.484-03	9.683-05	1.465-05
-2.8	4.782-14	5.587-05	3.107-13	1.090-10	7.457-01	2.025-01	4.529-03	1.062-04	1.475-05
-2.6	3.041-14	4.794-05	2.120-13	8.690-11	7.520-01	2.043-01	4.567-03	1.149-04	1.483-05
-2.4	1.935-14	4.067-05	1.431-13	6.933-11	7.562-01	2.060-01	4.601-03	1.228-04	1.491-05
-2.2	1.232-14	3.415-05	9.570-14	5.534-11	7.583-01	2.074-01	4.633-03	1.299-04	1.498-05
-2.0	7.859-15	2.842-05	6.346-14	4.422-11	7.590-01	2.089-01	4.667-03	1.360-04	1.507-05
-1.8	5.021-15	2.346-05	4.178-14	3.539-11	7.597-01	2.106-01	4.706-03	1.413-04	1.518-05
-1.6	3.216-15	1.923-05	2.732-14	2.839-11	7.475-01	2.126-01	4.754-03	1.457-04	1.532-05
-1.4	2.066-15	1.564-05	1.773-14	2.284-11	7.355-01	2.152-01	4.819-03	1.492-04	1.552-05
-1.2	1.330-15	1.261-05	1.140-14	1.843-11	7.171-01	2.186-01	4.904-03	1.516-04	1.579-05
-1.0	8.572-16	1.004-05	7.224-15	1.491-11	6.914-01	2.229-01	5.016-03	1.525-04	1.614-05
-.8	5.509-16	7.844-06	4.477-15	1.208-11	6.576-01	2.284-01	5.159-03	1.513-04	1.659-05
-.6	3.515-16	5.959-06	2.683-15	9.762-12	6.159-01	2.347-01	5.332-03	1.468-04	1.714-05
-.4	2.215-16	4.353-06	1.534-15	7.851-12	5.673-01	2.419-01	5.532-03	1.383-04	1.779-05
-.2	1.373-16	3.024-06	8.275-16	6.265-12	5.138-01	2.491-01	5.752-03	1.251-04	1.849-05
.0	8.374-17	1.984-06	4.182-16	4.952-12	4.577-01	2.561-01	5.986-03	1.079-04	1.924-05
.2	5.035-17	1.228-06	1.983-16	3.879-12	4.013-01	2.622-01	6.224-03	8.846-05	2.000-05
.4	3.004-17	7.205-07	8.907-17	3.017-12	3.468-01	2.668-01	6.459-03	6.911-05	2.075-05
.6	1.734-17	4.057-07	3.850-17	2.337-12	2.957-01	2.695-01	6.687-03	5.180-05	2.148-05
.8	1.084-17	2.224-07	1.634-17	1.811-12	2.492-01	2.697-01	6.905-03	3.760-05	2.218-05
1.0	6.703-18	1.205-07	6.963-18	1.411-12	2.078-01	2.671-01	7.111-03	2.667-05	2.284-05
1.2	4.308-18	6.551-08	3.044-18	1.110-12	1.716-01	2.614-01	7.308-03	1.865-05	2.348-05
1.4	2.927-18	3.625-08	1.397-18	8.878-13	1.404-01	2.524-01	7.497-03	1.293-05	2.408-05
1.6	2.148-18	2.070-08	6.901-19	7.252-13	1.139-01	2.398-01	7.680-03	8.926-06	2.467-05
1.8	1.754-18	1.238-08	3.740-19	6.091-13	9.138-02	2.238-01	7.861-03	6.138-06	2.525-05
2.0	1.670-18	7.983-09	2.400-19	5.302-13	7.239-02	2.042-01	8.043-03	4.197-06	2.583-05
2.2	2.027-18	5.505-09	1.918-19	4.859-13	5.634-02	1.813-01	8.226-03	2.838-06	2.642-05

T= 8500

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.748-01	3.79002+00	5.09962+01	5.47863+01	1.22229+02	-4.90811+00	3.79056+00
-6.8	4.629-01	3.70598+00	4.93179+01	5.30235+01	1.18824+02	-4.71785+00	3.70661+00
-6.6	4.468-01	3.59840+00	4.71686+01	5.07677+01	1.14592+02	-4.53065+00	3.59912+00
-6.4	4.262-01	3.46839+00	4.45817+01	4.80507+01	1.10777+02	-4.34655+00	3.46979+00
-6.2	4.010-01	3.32299+00	4.16615+01	4.49845+01	1.06292+02	-4.16523+00	3.32385+00
-6.0	3.717-01	3.16804+00	3.85611+01	4.17291+01	1.01697+02	-3.98596+00	3.16895+00
-5.8	3.393-01	3.01243+00	3. 4455+01	3.84576+01	9.71583+01	-3.80784+00	3.01334+00
-5.6	3.049-01	2.86330+00	3.[illegible]585+01	3.53210+01	9.28188+01	-3.62989+00	2.86422+00
-5.4	2.698-01	2.72584+00	2.97039+01	3.24297+01	8.87778+01	-3.45126+00	2.72673+00
-5.2	2.354-01	2.60302+00	2.72418+01	2.98448+01	8.50891+01	-3.27128+00	2.60387+00
-5.0	2.026-01	2.49599+00	2.50953+01	2.75913+01	8.17692+01	-3.08951+00	2.49679+00
-4.8	1.723-01	2.40451+00	2.32603+01	2.56648+01	7.88065+01	-2.90573+00	2.40526+00
-4.6	1.449-01	2.32754+00	2.17158+01	2.40433+01	7.61729+01	-2.71986+00	2.32823+00
-4.4	1.207-01	2.26353+00	2.04313+01	2.26948+01	7.38318+01	-2.53197+00	2.26417+00
-4.2	9.97[illegible]-02	2.21081+00	1.93730+01	2.15635+01	7.17438+01	-2.34221+00	2.21139+00
-4.0	8.184-02	2.16768+00	1.85075+01	2.06752+01	6.98705+01	-2.15076+00	2.16821+00
-3.8	6.677-02	2.13259+00	1.78035+01	1.99361+01	6.81765+01	-1.95785+00	2.13306+00
-3.6	5.421-02	2.10411+00	1.72328+01	1.93369+01	6.66305+01	-1.76369+00	2.10454+00
-3.4	4.385-02	2.08103+00	1.67710+01	1.88526+01	6.52053+01	-1.56848+00	2.08142+00
-3.2	3.535-02	2.06225+00	1.63969+01	1.84592+01	6.38773+01	-1.37241+00	2.06260+00
-3.0	2.843-02	2.04684+00	1.60923+01	1.81391+01	6.26267+01	-1.17567+00	2.04715+00
-2.8	2.282-02	2.03393+00	1.58410+01	1.78755+01	6.14359+01	-9.78420-01	2.03420+00
-2.6	1.830-02	2.02271+00	1.56286+01	1.76513+01	6.02894+01	-7.80820-01	2.02296+00
-2.4	1.466-02	2.01235+00	1.54408+01	1.74531+01	5.91725+01	-5.83050-01	2.01257+00
-2.2	1.174-02	2.00192+00	1.52628+01	1.72647+01	5.80702+01	-3.85310-01	2.00210+00
-2.0	9.409-03	1.99028+00	1.50781+01	1.70683+01	5.69662+01	-1.87840-01	1.99043+00
-1.8	7.552-03	1.97606+00	1.48669+01	1.68429+01	5.58416+01	9.04000-03	1.97618+00
-1.6	6.078-03	1.95758+00	1.46062+01	1.65637+01	5.46749+01	2.04960-01	1.95765+00
-1.4	4.912-03	1.93235+00	1.42706+01	1.62036+01	5.34433+01	3.99470-01	1.93297+00
-1.2	3.994-03	1.90041+00	1.38366+01	1.57337+01	5.21263+01	5.92090-01	1.90036+00
-1.0	3.276-03	1.85884+00	1.32891+01	1.51479+01	5.07129+01	7.82490-01	1.85868+00
-.8	2.716-03	1.80832+00	1.26291+01	1.44374+01	4.92081+01	9.70520-01	1.80801+00
-.6	2.281-03	1.75042+00	1.18765+01	1.36277+01	4.76360+01	1.15639+00	1.74988+00
-.4	1.944-03	1.68788+00	1.10672+01	1.27551+01	4.60348+01	1.34058+00	1.68702+00
-.2	1.681-03	1.62396+00	1.02430+01	1.18672+01	4.44481+01	1.52382+00	1.62261+00
.0	1.472-03	1.56168+00	9.44283+00	1.10045+01	4.29145+01	1.70684+00	1.55961+00
.2	1.304-03	1.50336+00	8.69580+00	1.01992+01	4.14622+01	1.89031+00	1.50020+00
.4	1.163-03	1.45048+00	8.01964+00	9.47012+00	4.01059+01	2.07476+00	1.44566+00
.6	1.041-03	1.40384+00	7.42165+00	8.82556+00	3.88509+01	2.26056+00	1.39647+00
.8	9.327-04	1.36379+00	6.90134+00	8.26513+00	3.76936+01	2.44799+00	1.35251+00
1.0	8.331-04	1.33054+00	6.45313+00	7.78367+00	3.66253+01	2.63727+00	1.31323+00
1.2	7.404-04	1.30453+00	6.06870+00	7.37323+00	3.56344+01	2.82870+00	1.27791+00
1.4	6.562-04	1.28679+00	5.73875+00	7.02553+00	3.47081+01	3.02275+00	1.24575+00
1.6	5.752-04	1.27935+00	5.45423+00	6.73358+00	3.38332+01	3.22023+00	1.21600+00
1.8	5.057-04	1.29591+00	5.20717+00	6.49308+00	3.29961+01	3.42245+00	1.18801+00
2.0	4.494-04	1.31261+00	4.99121+00	6.30382+00	3.21827+01	3.63138+00	1.16126+00
2.2	4.134-04	1.36918+00	4.80199+00	6.17117+00	3.13774+01	3.86971+00	1.13532+00

T= 9000

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.435-10	1.342-13	7.168-12	2.957-15	9.636-27	2.527-24	1.050-23	1.391-09	1.259-11
-6.8	8.465-10	4.526-13	2.452-11	1.068-14	7.822-26	1.979-23	8.342-23	3.172-09	2.791-11
-6.6	2.776-09	1.439-12	7.914-11	3.554-14	5.869-25	1.414-22	6.066-22	6.959-09	5.907-11
-6.4	8.556-09	4.231-12	2.386-10	1.144-13	4.017-24	9.062-22	3.976-21	1.458-08	1.184-10
-6.2	2.496-08	1.154-11	6.677-10	3.479-13	2.490-23	5.168-21	2.326-20	2.903-08	2.240-10
-6.0	6.549-08	2.912-11	1.732-09	9.983-13	1.396-22	2.621-20	1.212-19	5.477-08	4.000-10
-5.8	1.674-07	6.831-11	4.177-09	2.708-12	7.125-22	1.189-19	5.657-19	9.796-08	6.766-10
-5.6	3.706-07	1.501-10	9.427-09	6.972-12	3.337-21	4.881-19	2.385-18	1.666-07	1.090-09
-5.4	8.214-07	3.114-10	2.004-08	1.713-11	1.460-20	1.837-18	9.204-18	2.705-07	1.696-09
-5.2	1.609-06	6.159-10	4.056-08	4.033-11	5.952-20	6.421-18	3.290-17	4.217-07	2.511-09
-5.0	3.306-06	1.170-09	7.858-08	9.149-11	2.273-19	2.111-17	1.103-16	6.343-07	3.634-09
-4.8	6.350-06	2.149-09	1.467-07	2.007-10	8.340-19	6.596-17	3.502-16	9.251-07	5.127-09
-4.6	1.170-05	3.840-09	2.650-07	4.273-10	2.936-18	1.976-16	1.066-15	1.314-06	7.008-09
-4.4	2.091-05	6.708-09	4.696-07	8.849-10	9.966-18	5.721-16	3.116-15	1.827-06	9.625-09
-4.2	3.652-05	1.150-08	8.127-07	1.787-09	3.275-17	1.611-15	8.859-15	2.493-06	1.289-08
-4.0	6.262-05	1.942-08	1.383-06	3.524-09	1.065-16	4.436-15	2.458-14	3.350-06	1.706-08
-3.8	1.057-04	3.238-08	2.320-06	6.797-09	3.248-16	1.199-14	6.688-14	4.447-06	2.236-08
-3.6	1.763-04	5.346-08	3.849-06	1.284-08	9.849-16	3.195-14	1.790-13	5.842-06	2.909-08
-3.4	2.900-04	8.754-08	6.328-06	2.376-08	2.919-15	8.411-14	4.730-13	7.609-06	3.761-08
-3.2	4.759-04	1.424-07	1.032-05	4.314-08	8.470-15	2.193-13	1.237-12	9.844-06	4.838-08
-3.0	7.732-04	2.306-07	1.674-05	7.696-08	2.410-14	5.672-13	3.205-12	1.266-05	6.199-08
-2.8	1.249-03	3.717-07	2.702-05	1.350-07	6.736-14	1.458-12	8.245-12	1.620-05	7.918-08
-2.6	2.006-03	5.973-07	4.341-05	2.334-07	1.853-13	3.727-12	2.107-11	2.064-05	1.009-07
-2.4	3.206-03	9.575-07	6.948-05	3.981-07	5.023-13	9.483-12	5.353-11	2.617-05	1.284-07
-2.2	5.094-03	1.532-06	1.108-04	6.708-07	1.344-12	2.402-11	1.351-10	3.302-05	1.631-07
-2.0	8.041-03	2.450-06	1.760-04	1.118-06	3.559-12	6.058-11	3.386-10	4.141-05	2.072-07
-1.8	1.259-02	3.917-06	2.785-04	1.846-06	9.327-12	1.520-10	8.408-10	5.151-05	2.633-07
-1.6	1.948-02	6.267-06	4.381-04	3.028-06	2.423-11	3.793-10	2.063-09	6.337-05	3.348-07
-1.4	2.968-02	1.004-05	6.866-04	4.924-06	6.243-11	9.390-10	4.980-09	7.675-05	4.263-07
-1.2	4.432-02	1.612-05	1.060-03	7.943-06	1.594-10	2.302-09	1.177-08	9.099-05	5.437-07
-1.0	6.446-02	2.597-05	1.623-03	1.269-05	4.027-10	5.574-09	2.708-08	1.049-04	6.942-07
-.8	9.088-02	4.197-05	2.449-03	1.999-05	1.002-09	1.329-08	6.050-08	1.168-04	8.860-07
-.6	1.237-01	6.797-05	3.636-03	3.087-05	2.446-09	3.114-08	1.295-07	1.249-04	1.127-06
-.4	1.623-01	1.102-04	5.302-03	4.632-05	5.769-09	7.156-08	2.674-07	1.277-04	1.423-06
-.2	2.053-01	1.783-04	7.587-03	6.680-05	1.309-08	1.611-07	5.314-07	1.247-04	1.778-06
.0	2.509-01	2.875-04	1.065-02	9.202-05	2.824-08	3.549-07	1.017-06	1.164-04	2.191-06
.2	2.971-01	4.604-04	1.466-02	1.201-04	5.761-08	7.654-07	1.882-06	1.045-04	2.661-06
.4	3.420-01	7.306-04	1.982-02	1.487-04	1.111-07	1.617-06	3.370-06	9.079-05	3.185-06
.6	3.843-01	1.146-03	2.631-02	1.754-04	2.031-07	3.346-06	5.863-06	7.691-05	3.766-06
.8	4.230-01	1.772-03	3.431-02	1.987-04	3.552-07	6.791-06	9.932-06	6.409-05	4.410-06
1.0	4.575-01	2.697-03	4.401-02	2.161-04	5.585-07	1.354-05	1.641-05	5.305-05	5.135-06
1.2	4.875-01	4.030-03	5.550-02	2.340-04	9.790-07	2.656-05	2.650-05	4.406-05	5.975-06
1.4	5.134-01	5.859-03	6.885-02	2.468-04	1.565-06	5.152-05	4.186-05	3.713-05	6.993-06
1.6	5.356-01	8.444-03	8.402-02	2.572-04	2.456-06	9.946-05	6.473-05	3.219-05	8.304-06
1.8	5.544-01	1.180-02	1.009-01	2.656-04	3.606-06	1.933-04	9.803-05	2.917-05	1.013-05
2.0	5.707-01	1.609-02	1.191-01	2.723-04	5.050-06	3.856-04	1.454-04	2.830-05	1.295-05
2.2	5.849-01	2.136-02	1.382-01	2.773-04	8.977-06	8.127-04	2.112-04	3.054-05	1.797-05

T= 9000

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	5.587-25	6.811-09	6.776-14	7.311-11	3.784-01	5.328-09	9.862-02	3.655-12	2.138-03
-6.8	2.656-24	1.531-08	1.579-13	1.639-10	3.715-01	3.438-09	9.548-02	2.327-12	2.046-03
-6.6	1.362-23	3.300-08	3.576-13	3.518-10	3.618-01	2.236-09	9.133-02	1.486-12	1.928-03
-6.4	5.911-23	6.763-08	7.822-13	7.179-10	3.487-01	1.466-09	8.611-02	9.528-13	1.786-03
-6.2	2.326-22	1.313-07	1.690-12	1.386-09	3.321-01	9.684-10	7.993-02	6.135-13	1.627-03
-6.0	8.299-22	2.469-07	3.349-12	2.530-09	3.118-01	6.435-10	7.301-02	3.966-13	1.457-03
-5.8	2.701-21	4.190-07	6.550-12	4.377-09	2.883-01	4.292-10	6.564-02	2.573-13	1.285-03
-5.6	8.091-21	6.935-07	1.237-11	7.209-09	2.623-01	2.866-10	5.815-02	1.672-13	1.118-03
-5.4	2.257-20	1.099-06	2.262-11	1.137-08	2.349-01	1.912-10	5.080-02	1.088-13	9.615-04
-5.2	5.924-20	1.675-06	4.016-11	1.726-08	2.072-01	1.272-10	4.381-02	7.080-14	8.182-04
-5.0	1.478-19	2.471-06	6.940-11	2.538-08	1.801-01	8.426-11	3.735-02	4.600-14	6.896-04
-4.8	3.537-19	3.544-06	1.169-10	3.630-08	1.544-01	5.556-11	3.150-02	2.982-14	5.763-04
-4.6	8.179-19	4.966-06	1.925-10	5.075-08	1.309-01	3.643-11	2.632-02	1.929-14	4.779-04
-4.4	1.838-18	6.824-06	3.101-10	6.961-08	1.097-01	2.377-11	2.182-02	1.244-14	3.936-04
-4.2	4.039-18	9.224-06	4.892-10	9.397-08	9.113-02	1.544-11	1.795-02	8.007-15	3.222-04
-4.0	8.708-18	1.230-05	7.563-10	1.252-07	7.510-02	9.985-12	1.468-02	5.139-15	2.625-04
-3.8	1.849-17	1.623-05	1.147-09	1.650-07	6.148-02	6.434-12	1.195-02	3.291-15	2.129-04
-3.6	3.880-17	2.122-05	1.706-09	2.156-07	5.006-02	4.133-12	9.680-03	2.104-15	1.720-04
-3.4	8.062-17	2.753-05	2.493-09	2.798-07	4.057-02	2.648-12	7.815-03	1.343-15	1.396-04
-3.2	1.662-16	3.552-05	3.579-09	3.610-07	3.275-02	1.693-12	6.291-03	8.560-16	1.114-04
-3.0	3.405-16	4.559-05	5.054-09	4.636-07	2.636-02	1.080-12	5.054-03	5.453-16	8.937-05
-2.8	6.942-16	5.829-05	7.026-09	5.934-07	2.115-02	6.885-13	4.052-03	3.472-16	7.159-05
-2.6	1.410-15	7.426-05	9.632-09	7.575-07	1.694-02	4.382-13	3.245-03	2.210-16	5.730-05
-2.4	2.856-15	9.432-05	1.303-08	9.651-07	1.353-02	2.786-13	2.597-03	1.407-16	4.593-05
-2.2	5.773-15	1.194-04	1.744-08	1.228-06	1.079-02	1.769-13	2.078-03	8.966-17	3.666-05
-2.0	1.166-14	1.507-04	2.310-08	1.563-06	8.578-03	1.121-13	1.663-03	5.719-17	2.934-05
-1.8	2.354-14	1.895-04	3.033-08	1.989-06	6.798-03	7.085-14	1.332-03	3.653-17	2.350-05
-1.6	4.758-14	2.370-04	3.951-08	2.536-06	5.363-03	4.461-14	1.069-03	2.339-17	1.886-05
-1.4	9.639-14	2.944-04	5.106-08	3.242-06	4.204-03	2.792-14	8.584-04	1.501-17	1.518-05
-1.2	1.960-13	3.620-04	6.541-08	4.164-06	3.265-03	1.732-14	6.916-04	9.655-18	1.225-05
-1.0	4.009-13	4.392-04	8.283-08	5.385-06	2.505-03	1.059-14	5.584-04	6.215-18	9.919-06
-.8	8.261-13	5.235-04	1.031-07	7.025-06	1.891-03	6.358-15	4.511-04	3.993-18	8.044-06
-.6	1.719-12	6.104-04	1.250-07	9.265-06	1.398-03	3.720-15	3.638-04	2.549-18	6.520-06
-.4	3.614-12	6.935-04	1.462-07	1.237-05	1.008-03	2.111-15	2.917-04	1.607-18	5.266-06
-.2	7.678-12	7.658-04	1.629-07	1.672-05	7.087-04	1.158-15	2.319-04	9.970-19	4.224-06
.0	1.646-11	8.215-04	1.714-07	2.286-05	4.850-04	6.135-16	1.823-04	6.069-19	3.360-06
.2	3.549-11	8.574-04	1.697-07	3.153-05	3.240-04	3.155-16	1.417-04	3.630-19	2.650-06
.4	7.667-11	8.737-04	1.585-07	4.371-05	2.121-04	1.586-16	1.089-04	2.142-19	2.076-06
.6	1.651-10	8.735-04	1.409-07	6.064-05	1.368-04	7.877-17	8.303-05	1.257-19	1.621-06
.8	3.528-10	8.617-04	1.210-07	8.387-05	8.759-05	3.911-17	6.302-05	7.395-20	1.268-06
1.0	7.450-10	8.440-04	1.016-07	1.152-04	5.603-05	1.968-17	4.785-05	4.412-20	9.990-07
1.2	1.551-09	8.269-04	8.518-08	1.568-04	3.611-05	1.019-17	3.634-05	2.703-20	7.992-07
1.4	3.181-09	8.170-04	7.204-08	2.113-04	2.366-05	5.521-18	2.826-05	1.726-20	6.547-07
1.6	6.451-09	8.222-04	6.255-08	2.825-04	1.593-05	3.200-18	2.231-05	1.171-20	5.551-07
1.8	1.308-08	8.542-04	5.678-08	3.777-04	1.116-05	2.039-18	1.820-05	8.650-21	4.940-07
2.0	2.711-08	9.343-04	5.520-08	5.134-04	8.294-06	1.492-18	1.560-05	7.263-21	4.712-07
2.2	5.992-08	1.113-03	5.975-08	7.338-04	6.746-06	1.364-18	1.447-05	7.528-21	4.991-07

T= 9000

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	9.599-10	8.597-05	2.686-10	3.169-08	3.012-02	1.113-02	3.055-04	3.465-07	7.816-06
-6.8	6.039-10	8.746-05	1.796-10	2.127-08	4.499-02	1.640-02	4.448-04	5.363-07	7.979-06
-6.6	3.801-10	8.949-05	1.227-10	1.458-08	6.563-02	2.390-02	6.280-04	8.220-07	8.196-06
-6.4	2.395-10	9.217-05	8.591-11	1.025-08	9.306-02	3.259-02	8.559-04	1.244-06	8.477-06
-6.2	1.513-10	9.552-05	6.167-11	7.405-09	1.278-01	4.362-02	1.124-03	1.857-06	8.827-06
-6.0	9.567-11	9.893-05	4.533-11	5.485-09	1.696-01	5.632-02	1.422-03	2.726-06	9.241-06
-5.8	6.100-11	1.029-04	3.400-11	4.156-09	2.174-01	7.022-02	1.740-03	3.930-06	9.710-06
-5.6	3.896-11	1.069-04	2.591-11	3.208-09	2.697-01	8.440-02	2.064-03	5.561-06	1.022-05
-5.4	2.496-11	1.105-04	1.995-11	2.511-09	3.245-01	9.950-02	2.384-03	7.725-06	1.074-05
-5.2	1.602-11	1.135-04	1.546-11	1.986-09	3.796-01	1.136-01	2.691-03	1.052-05	1.127-05
-5.0	1.029-11	1.155-04	1.199-11	1.581-09	4.331-01	1.274-01	2.978-03	1.407-05	1.178-05
-4.8	6.610-12	1.164-04	9.286-12	1.263-09	4.836-01	1.399-01	3.239-03	1.845-05	1.225-05
-4.6	4.243-12	1.159-04	7.156-12	1.017-09	5.298-01	1.512-01	3.473-03	2.375-05	1.269-05
-4.4	2.720 12	1.139-04	5.474-12	8.110-10	5.711-01	1.611-01	3.678-03	3.001-05	1.308-05
-4.2	1.741-12	1.104-04	4.149-12	6.499-10	6.073-01	1.697-01	3.855-03	3.724-05	1.342-05
-4.0	1.113-12	1.054-04	3.110-12	5.206-10	6.385-01	1.771-01	4.006-03	4.539-05	1.371-05
-3.8	7.104-13	9.922-05	2.304-12	4.167-10	6.649-01	1.833-01	4.133-03	5.432-05	1.396-05
-3.6	4.529-13	9.194-05	1.684-12	3.332-10	6.870-01	1.884-01	4.239-03	6.388-05	1.417-05
-3.4	2.885-13	8.388-05	1.215-12	2.663-10	7.053-01	1.927-01	4.326-03	7.383-05	1.434-05
-3.2	1.836-13	7.537-05	8.644-13	2.126-10	7.202-01	1.962-01	4.399-03	8.391-05	1.448-05
-3.0	1.168-13	6.672-05	6.068-13	1.697-10	7.323-01	1.991-01	4.457-03	9.384-05	1.460-05
-2.8	7.431-14	5.824-05	4.206-13	1.354-10	7.417-01	2.015-01	4.507-03	1.034-04	1.471-05
-2.6	4.727-14	5.017-05	2.880-13	1.080-10	7.490-01	2.035-01	4.548-03	1.123-04	1.479-05
-2.4	3.009-14	4.271-05	1.951-13	8.617-11	7.541-01	2.053-01	4.585-03	1.205-04	1.487-05
-2.2	1.917-14	3.598-05	1.308-13	6.878-11	7.570-01	2.068-01	4.618-03	1.278-04	1.495-05
-2.0	1.222-14	3.002-05	8.703-14	5.495-11	7.577-01	2.083-01	4.652-03	1.342-04	1.504-05
-1.8	7.812-15	2.485-05	5.746-14	4.397-11	7.555-01	2.099-01	4.690-03	1.398-04	1.514-05
-1.6	5.005-15	2.041-05	3.768-14	3.525-11	7.498-01	2.118-01	4.735-03	1.445-04	1.527-05
-1.4	3.216-15	1.665-05	2.454-14	2.834-11	7.395-01	2.142-01	4.795-03	1.483-04	1.545-05
-1.2	2.072-15	1.348-05	1.586-14	2.286-11	7.234-01	2.173-01	4.873-03	1.511-04	1.569-05
-1.0	1.338-15	1.079-05	1.012-14	1.850-11	7.001-01	2.213-01	4.977-03	1.526-04	1.602-05
-.8	8.629-16	8.499-06	6.342-15	1.499-11	6.689-01	2.264-01	5.110-03	1.522-04	1.644-05
-.6	5.537-16	6.535-06	3.860-15	1.214-11	6.297-01	2.324-01	5.274-03	1.490-04	1.696-05
-.4	3.517-16	4.851-06	2.254-15	9.800-12	5.831-01	2.393-01	5.467-03	1.420-04	1.758-05
-.2	2.202-16	3.439-06	1.247-15	7.853-12	5.309-01	2.464-01	5.682-03	1.304-04	1.827-05
.0	1.356-16	2.308-06	6.480-16	6.241-12	4.754-01	2.535-01	5.913-03	1.145-04	1.900-05
.2	8.237-17	1.461-06	3.159-16	4.913-12	4.188-01	2.597-01	6.152-03	9.564-05	1.977-05
.4	4.958-17	8.759-07	1.455-16	3.839-12	3.635-01	2.647-01	6.389-03	7.601-05	2.053-05
.6	2.982-17	5.019-07	6.421-17	2.985-12	3.112-01	2.677-01	6.622-03	5.780-05	2.127-05
.8	1.812-17	2.789-07	2.770-17	2.321-12	2.632-01	2.684-01	6.844-03	4.244-05	2.199-05
1.0	1.125-17	1.526-07	1.194-17	1.817-12	2.201-01	2.664-01	7.057-03	3.036-05	2.267-05
1.2	7.256-18	8.349-08	5.260-18	1.429-12	1.822-01	2.612-01	7.259-03	2.135-05	2.332-05
1.4	4.943-18	4.638-08	2.427-18	1.144-12	1.494-01	2.527-01	7.453-03	1.486-05	2.394-05
1.6	3.637-18	2.654-08	1.204-18	9.350-13	1.214-01	2.407-01	7.641-03	1.028-05	2.454-05
1.8	2.980-18	1.589-08	6.619-19	7.859-13	9.755-02	2.251-01	7.826-03	7.073-06	2.514-05
2.0	2.855-18	1.013-08	4.226-19	6.851-13	7.737-02	2.059-01	8.011-03	4.838-06	2.573-05
2.2	3.506-18	7.091-09	3.417-19	6.299-13	6.027-02	1.833-01	8.198-03	3.271-06	2.633-05

T= 9000

LOG C	F-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.792-01	3.822++0+00	5.11443+01	5.49668+01	1.22948+02	-4.89956+00	3.82302+00
-6.8	4.691-01	3.74938+00	4.97004+01	5.34498+01	1.19759+02	-4.70794+00	3.75002+00
-6.6	4.551-01	3.65318+00	4.77965+01	5.14526+01	1.16153+02	-4.51923+00	3.65392+00
-6.4	4.367-01	3.53188+00	4.54408+01	4.89747+01	1.12139+02	-4.33365+00	3.53472+00
-6.2	4.137-01	3.39507+00	4.26949+01	4.60899+01	1.07797+02	-4.15105+00	3.39599+00
-6.0	3.863-01	3.24345+00	3.96937+01	4.29371+01	1.03267+02	-3.97090+00	3.24442+00
-5.8	3.553-01	3.08720+00	3.65994+01	3.96866+01	9.87147+01	-3.79234+00	3.08820+00
-5.6	3.217-01	2.93420+00	3.35678+01	3.65502+01	9.42969+01	-3.61441+00	2.93520+00
-5.4	2.868-01	2.79062+00	3.07217+01	3.35123+01	9.01331+01	-3.43620+00	2.79161+00
-5.2	2.519-01	2.66049+00	2.81412+01	3.08017+01	8.62978+01	-3.25694+00	2.66145+00
-5.0	2.182-01	2.54580+00	2.58656+01	2.84114+01	8.28242+01	-3.07608+00	2.54671+00
-4.8	1.866-01	2.44690+00	2.39029+01	2.63498+01	7.97124+01	-2.89329+00	2.44775+00
-4.6	1.578-01	2.36309+00	2.22390+01	2.46021+01	7.69416+01	-2.70842+00	2.36388+00
-4.4	1.320-01	2.29301+00	2.08475+01	2.31405+01	7.44786+01	-2.52150+00	2.29374+00
-4.2	1.095-01	2.23504+00	1.96963+01	2.19313+01	7.22852+01	-2.33262+00	2.23571+00
-4.0	9.017-02	2.18747+00	1.87515+01	2.09390+01	7.03225+01	-2.14195+00	2.19808+00
-3.8	7.376-02	2.14867+00	1.79810+01	2.01297+01	6.85539+01	-1.94973+00	2.14922+00
-3.6	6.003-02	2.11714+00	1.73554+01	1.94726+01	6.69464+01	-1.75615+00	2.11764+00
-3.4	4.864-02	2.09157+00	1.68488+01	1.89404+01	6.54709+01	-1.56143+00	2.09202+00
-3.2	3.927-02	2.07080+00	1.64386+01	1.85094+01	6.41024+01	-1.36577+00	2.07120+00
-3.0	3.167-02	2.05382+00	1.61053+01	1.81591+01	6.28196+01	-1.16934+00	2.05418+00
-2.8	2.541-02	2.03972+00	1.58319+01	1.78717+01	6.16037+01	-9.72330-01	2.04004+00
-2.6	2.039-02	2.02767+00	1.56033+01	1.76316+01	6.04386+01	-7.74910-01	2.02795+00
-2.4	1.634-02	2.01681+00	1.54049+01	1.74218+01	5.93090+01	-5.77240-01	2.01706+00
-2.2	1.309-02	2.00626+00	1.52223+01	1.72286+01	5.82001+01	-3.79520-01	2.00647+00
-2.0	1.049-02	1.99492+00	1.50394+01	1.70343+01	5.70958+01	-1.81980-01	1.99511+00
-1.8	8.417-03	1.98151+00	1.48376+01	1.68191+01	5.59782+01	1.50900-02	1.98166+00
-1.6	6.768-03	1.96462+00	1.45948+01	1.65592+01	5.48267+01	2.11330-01	1.96452+00
-1.4	5.462-03	1.94181+00	1.42863+01	1.62282+01	5.36186+01	4.06300-01	1.94185+00
-1.2	4.432-03	1.91181+00	1.38875+01	1.57993+01	5.23321+01	5.9954C-01	1.91177+00
-1.0	3.624-03	1.87303+00	1.33799+01	1.52529+01	5.09527+01	7.90640-01	1.87288+00
-.8	2.992-03	1.82513+00	1.27588+01	1.45839+01	4.94797+01	9.79390-01	1.82482+00
-.6	2.502-03	1.76920+00	1.20360+01	1.38072+01	4.79311+01	1.16587+00	1.76867+00
-.4	2.121-03	1.70769+00	1.12489+01	1.29565+01	4.63413+01	1.35050+00	1.70683+00
-.2	1.824-03	1.64378+00	1.04320+01	1.20758+01	4.47527+01	1.5339++00	1.64243+00
.0	1.590-03	1.58064+00	9.62772+00	1.12084+01	4.32061+01	1.71693+00	1.57855+00
.2	1.403-03	1.52085+00	8.86821+00	1.03891+01	4.17326+01	1.90018+00	1.51766+00
.4	1.248-03	1.46617+00	8.17453+00	9.64C7E+00	4.03514+01	2.08428+00	1.46130+00
.6	1.116-03	1.41763+00	7.55687+00	8.9745C+00	3.90700+01	2.26966+00	1.41019+00
.8	9.986-04	1.37574+00	7.01684+00	8.39258+00	3.78871+01	2.44663+00	1.36437+00
1.0	8.922-04	1.34081+00	6.55020+00	7.89101+00	3.67952+01	2.64546+00	1.32339+00
1.2	7.938-04	1.31334+00	6.16937+00	7.46271+00	3.57835+01	2.83647+00	1.28657+00
1.4	7.026-04	1.29436+00	5.80533+00	7.09968+00	3.48396+01	3.03015+00	1.25313+00
1.6	6.191-04	1.28590+00	5.50901+00	6.79491+00	3.39494+01	3.22730+00	1.22230+00
1.8	5.458-04	1.29161+00	5.25226+00	6.54386+00	3.30598+01	3.42923+00	1.19341+00
2.0	4.866-04	1.31760+00	5.02840+00	6.346CC+00	3.22761+01	3.63788+00	1.16589+00
2.2	4.497-04	1.37354+00	4.83282+00	6.20636+00	3.14622+01	3.85594+00	1.13927+00

T= 91CC

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.431-10	8.764-14	4.491-12	1.754-15	4.968-27	1.277-24	5.070-24	1.029-09	9.768-12
-6.8	5.070-10	3.030-13	1.572-11	6.672-15	3.048-26	1.030-23	4.171-23	2.381-09	2.206-11
-6.6	1.712-09	9.699-13	5.221-11	2.242-14	1.000-25	7.754-23	3.160-22	5.926-09	4.770-11
-6.4	5.447-09	3.020-12	1.627-10	7.000-14	2.145-24	5.235-22	2.106-21	1.142-08	9.816-11
-6.2	1.619-08	8.541-12	4.715-10	2.311-13	1.392-23	3.154-21	1.349-20	2.331-08	1.987-10
-6.0	4.471-08	2.231-11	1.267-09	6.808-13	8.168-23	1.668-20	7.422-20	4.512-08	3.694-10
-5.8	1.147-07	5.410-11	3.160-09	1.894-12	4.347-22	8.054-20	3.644-19	8.277-08	6.051-10
-5.6	2.745-07	1.223-10	7.348-09	4.989-12	2.114-21	3.457-19	1.509-18	1.441-07	9.956-10
-5.4	6.160-07	2.602-10	1.605-08	1.251-11	9.488-21	1.352-18	6.465-18	2.392-07	1.564-09
-5.2	1.305-06	5.256-10	3.321-08	2.999-11	3.971-20	4.883-18	2.392-17	3.800-07	2.371-09
-5.0	2.633-06	1.015-09	6.557-08	6.911-11	1.565-19	1.649-17	8.251-17	5.810-07	3.674-09
-4.8	5.090-06	1.882-09	1.245-07	1.537-10	5.860-19	5.267-17	2.666-16	8.536-07	5.454-09
-4.6	9.492-06	3.421-09	2.285-07	3.313-10	2.098-18	1.607-16	8.319-16	1.236-06	6.906-09
-4.4	1.718-05	6.034-09	4.083-07	6.936-10	7.228-18	4.726-16	2.477-15	1.738-06	9.469-09
-4.2	3.032-05	1.043-08	7.131-07	1.419-09	2.405-17	1.346-15	7.135-15	2.389-06	1.273-08
-4.0	5.243-05	1.772-08	1.222-06	2.816-09	7.783-17	3.744-15	2.001-14	3.234-06	1.693-08
-3.8	8.914-05	2.971-08	2.064-06	5.471-09	2.436-16	1.020-14	5.492-14	4.316-06	2.229-08
-3.6	1.495-04	4.929-08	3.441-06	1.041-08	7.452-16	2.735-14	1.491-13	5.605-06	2.909-08
-3.4	2.479-04	8.094-08	5.679-06	1.939-08	2.226-15	7.238-14	3.933-13	7.447-06	3.771-08
-3.2	4.070-04	1.321-07	9.297-06	3.543-08	6.505-15	1.895-13	1.034-12	9.665-06	4.661-08
-3.0	6.634-04	2.142-07	1.512-05	6.357-08	1.883-14	4.919-13	2.689-12	1.246-05	6.260-08
-2.8	1.074-03	3.460-07	2.445-05	1.121-07	5.237-14	1.268-12	6.941-12	1.599-05	7.981-08
-2.6	1.730-03	5.567-07	3.935-05	1.947-07	1.448-13	3.248-12	1.779-11	2.041-05	1.018-07
-2.4	2.770-03	8.934-07	6.308-05	3.336-07	3.942-13	8.281-12	4.530-11	2.593-05	1.296-07
-2.2	4.411-03	1.431-06	1.008-04	5.630-07	1.059-12	2.101-11	1.166-10	3.279-05	1.648-07
-2.0	6.981-03	2.289-06	1.603-04	9.430-07	2.813-12	5.309-11	2.881-10	4.122-05	2.095-07
-1.8	1.096-02	3.650-06	2.540-04	1.562-06	7.394-12	1.335-10	7.178-10	5.144-05	2.662-07
-1.6	1.703-02	5.853-06	4.004-04	2.566-06	1.926-11	3.337-10	1.769-09	6.355-05	3.305-07
-1.4	2.610-02	9.373-06	6.272-04	4.183-06	4.975-11	8.284-10	4.294-09	7.742-05	4.310-07
-1.2	3.924-02	1.504-05	9.743-04	6.766-06	1.274-10	2.038-09	1.022-08	9.251-05	5.496-07
-1.0	5.758-02	2.420-05	1.497-03	1.085-05	3.231-10	4.954-09	2.373-08	1.077-04	7.019-07
-.8	8.201-02	3.906-05	2.270-03	1.710-05	8.005-10	1.187-08	5.339-08	1.215-04	8.966-07
-.6	1.129-01	6.319-05	3.387-03	2.673-05	1.985-09	2.796-08	1.159-07	1.317-04	1.143-06
-.4	1.498-01	1.024-04	4.966-03	4.054-05	4.742-09	6.461-08	2.423-07	1.367-04	1.448-06
-.2	1.916-01	1.657-04	7.145-03	5.936-05	1.091-08	1.463-07	4.871-07	1.356-04	1.818-06
.0	2.360-01	2.673-04	1.008-02	8.307-05	2.396-08	3.242-07	9.427-07	1.186-04	2.253 06
.2	2.820-01	4.285-04	1.396-02	1.104-04	4.979-08	7.032-07	1.780-06	1.171-04	2.751-06
.4	3.283-01	6.812-04	1.896-02	1.391-04	9.776-08	1.493-06	3.181-06	1.030-04	3.312-06
.6	3.715-01	1.071-03	2.528-02	1.667-04	1.818-07	3.107-06	5.576-06	8.811-05	3.936-06
.8	4.114-01	1.660-03	3.312-02	1.913-04	3.222-07	6.337-06	9.510-06	7.405-05	4.632-06
1.0	4.472-01	2.533-03	4.266-02	2.122-04	5.487-07	1.269-05	1.581-05	6.170-05	5.417-06
1.2	4.786-01	3.796-03	5.397-02	2.293-04	9.053-07	2.502-05	2.566-05	5.150-05	6.328-06
1.4	5.058-01	5.576-03	6.718-02	2.432-04	1.457-06	4.876-05	4.072-05	4.358-05	7.434-06
1.6	5.291-01	8.010-03	8.225-02	2.544-04	2.299-06	9.458-05	6.324-05	3.789-05	8.842-06
1.8	5.491-01	1.124-02	9.905-02	2.635-04	3.578-06	1.867-04	9.617-05	3.443-05	1.086-05
2.0	5.662-01	1.539-02	1.173-01	2.707-04	5.522-06	3.703-04	1.432-04	3.369-05	1.396-05
2.2	5.812-01	2.053-02	1.366-01	2.763-04	8.507-06	7.843-04	2.087-04	3.630-05	1.950-05

T= 91CC

LOG C	C2-	NO+	CC+	O-	N+	N++	O+	O++	A+
-7.0	3.898-25	4.070-09	5.025-14	5.987-11	3.809-01	8.164-09	9.571-02	6.090-12	2.178-03
-6.8	2.058-24	1.113-08	1.104-13	1.335-10	3.751-01	5.252-09	9.760-02	3.870-12	2.100-03
-6.6	1.015-23	2.450-08	2.717-13	2.994-10	3.668-01	3.404-09	9.330-02	2.467-12	1.997-03
-6.4	4.566-23	5.143-08	6.042-13	6.290-10	3.555-01	2.223-09	8.855-02	1.578-12	1.868-03
-6.2	1.894-22	1.026-07	1.296-12	1.260-09	3.406-01	1.464-09	8.276-02	1.014-12	1.718-03
-6.0	7.065-22	1.929-07	2.677-12	2.323-09	3.220-01	9.704-10	7.612-02	6.537-13	1.556-03
-5.8	2.396-21	3.430-07	5.321-12	4.117-09	3.000-01	6.464-10	6.891-02	4.231-13	1.382-03
-5.6	7.446-21	5.820-07	1.020-11	6.931-09	2.751-01	4.317-10	6.142-02	2.746-13	1.213-03
-5.4	2.143-20	9.403-07	1.892-11	1.114-08	2.483-01	2.882-10	5.397-02	1.786-13	1.050-03
-5.2	5.776-20	1.458-06	3.400-11	1.721-08	2.206-01	1.921-10	4.680-02	1.161-13	8.992-04
-5.0	1.473-19	2.103-06	5.941-11	2.566-08	1.930-01	1.275-10	4.010-02	7.568-14	7.621-04
-4.8	3.591-19	3.170-06	1.011-10	3.715-08	1.666-01	8.428-11	3.397-02	4.898-14	6.399-04
-4.6	8.426-19	4.489-06	1.690-10	5.247-08	1.420-01	5.542-11	2.850-02	3.171-14	5.329-04
-4.4	1.917-18	6.221-06	2.729-10	7.258-08	1.196-01	3.625-11	2.371-02	2.048-14	4.406-04
-4.2	4.254-18	8.471-06	4.339-10	9.866-08	9.977-02	2.360-11	1.957-02	1.319-14	3.619-04
-4.0	9.246-18	1.137-05	6.757-10	1.322-07	8.253-02	1.530-11	1.605-02	8.477-15	2.956-04
-3.8	1.977-17	1.507-05	1.031-09	1.751-07	6.778-02	9.877-12	1.309-02	5.435-15	2.403-04
-3.6	4.169-17	1.977-05	1.545-09	2.297-07	5.532-02	6.355-12	1.062-02	3.477-15	1.946-04
-3.4	8.699-17	2.575-05	2.270-09	2.990-07	4.493-02	4.078-12	8.590-03	2.221-15	1.570-04
-3.2	1.800-16	3.330-05	3.278-09	3.867-07	3.634-02	2.610-12	6.924-03	1.417-15	1.264-04
-3.0	3.697-16	4.284-05	4.653-09	4.977-07	2.929-02	1.668-12	5.567-03	9.034-16	1.015-04
-2.8	7.554-16	5.468-05	6.500-09	6.380-07	2.354-02	1.064-12	4.468-03	5.755-16	8.137-05
-2.6	1.537-15	7.003-05	8.948-09	8.159-07	1.887-02	6.778-13	3.581-03	3.665-16	6.516-05
-2.4	3.117-15	8.907-05	1.216-08	1.040-06	1.509-02	4.313-13	2.867-03	2.335-16	5.215-05
-2.2	6.307-15	1.129-04	1.632-08	1.324-06	1.204-02	2.741-13	2.294-03	1.488-16	4.172-05
-2.0	1.274-14	1.428-04	2.169-08	1.685-06	9.588-03	1.739-13	1.836-03	9.494-17	3.339-05
-1.8	2.574-14	1.796-04	2.855-08	2.145-06	7.609-03	1.101-13	1.471-03	6.066-17	2.675-05
-1.6	5.201-14	2.253-04	3.729-08	2.734-06	6.014-03	6.951-14	1.179-03	3.884-17	2.147-05
-1.4	1.053-13	2.806-04	4.833-08	3.492-06	4.727-03	4.365-14	9.474-04	2.493-17	1.727-05
-1.2	2.130-13	3.464-04	6.213-08	4.478-06	3.685-03	2.719-14	7.631-04	1.605-17	1.393-05
-1.0	4.363-13	4.225-04	7.905-08	5.777-06	2.841-03	1.674-14	6.161-04	1.035-17	1.127-05
-.8	8.964-13	5.069-04	9.909-08	7.511-06	2.158-03	1.014-14	4.980-04	6.666-18	9.148-06
-.6	1.858-12	5.959-04	1.215-07	9.866-06	1.608-03	5.997-15	4.023-04	4.276-18	7.427-06
-.4	3.889-12	6.834-04	1.441-07	1.311-05	1.171-03	3.448-15	3.237-04	2.717-18	6.015-06
-.2	8.226-12	7.624-04	1.636-07	1.764-05	8.308-04	1.919-15	2.584-04	1.701-18	4.865-06
.0	1.756-11	8.263-04	1.760-07	2.401-05	5.744-04	1.032-15	2.042-04	1.046-18	3.873-06
.2	3.775-11	8.711-04	1.782-07	3.299-05	3.873-04	5.386-16	1.595-04	6.319-19	3.070-06
.4	8.136-11	8.956-04	1.702-07	4.562-05	2.557-04	2.743-16	1.233-04	3.765-19	2.416-06
.6	1.751-10	9.024-04	1.542-07	6.320-05	1.662-04	1.377-16	9.443-05	2.227-19	1.894-06
.8	3.743-10	8.960-04	1.344-07	8.739-05	1.070-04	6.895-17	7.197-05	1.319-19	1.486-06
1.0	7.919-10	8.825-04	1.144-07	1.207-04	6.875-05	3.493-17	5.482-05	7.916-20	1.175-06
1.2	1.653-09	8.684-04	9.655-08	1.638-04	4.446-05	1.817-17	4.198-05	4.872-20	9.414-07
1.4	3.404-09	8.612-04	8.213-08	2.214-04	2.920-05	9.892-18	3.254-05	3.124-20	7.721-07
1.6	6.940-09	8.695-04	7.161-08	2.970-04	1.969-05	5.755-18	2.575-05	2.127-20	6.552-07
1.8	1.416-08	9.061-04	6.522-08	3.989-04	1.382-05	3.683-18	2.105-05	1.581-20	5.837-07
2.0	2.954-08	9.946-04	6.361-08	5.450-04	1.028-05	2.713-18	1.809-05	1.338-20	5.575-07
2.2	6.595-08	1.191-03	6.917-08	7.840-04	8.383-06	2.514-18	1.685-05	1.407-20	5.922-07

T= 9100

LOG C	A++	C+	C++	NE+	N	O	F	C	NE
-7.0	1.451-09	8.542-05	3.777-10	4.275-08	2.470-02	9.262-03	4.493-04	2.935-07	7.749-06
-6.8	9.144-10	8.668-05	2.504-10	2.894-08	3.724-02	1.378-02	3.666-04	4.559-07	7.803-06
-6.6	5.761-10	8.843-05	1.693-10	1.930-08	5.497-02	2.003-02	5.262-04	7.021-07	8.034-06
-6.4	3.634-10	9.076-05	1.171-10	1.341-08	7.906-02	2.821-02	7.307-04	1.059-06	8.334-06
-6.2	2.297-10	9.367-05	8.305-11	9.561-09	1.103-01	3.838-02	9.783-04	1.607-06	8.652-06
-6.0	1.456-10	9.710-05	6.037-11	6.999-09	1.487-01	5.036-02	1.267-03	2.376-06	9.037-06
-5.8	9.265-11	1.009-04	4.485-11	5.249-09	1.939-01	6.378-02	1.571-03	3.455-06	9.442-06
-5.6	5.918-11	1.048-04	3.393-11	4.019-09	2.443-01	7.812-02	1.894-03	4.931-06	9.973-06
-5.4	3.792-11	1.086-04	2.600-11	3.127-09	2.981-01	9.282-02	2.219-03	6.905-06	1.049-05
-5.2	2.435-11	1.118-04	2.008-11	2.462-09	3.533-01	1.074-01	2.533-03	9.486-06	1.102-05
-5.0	1.566-11	1.142-04	1.556-11	1.954-09	4.078-01	1.213-01	2.831-03	1.278-05	1.154-05
-4.8	1.007-11	1.155-04	1.205-11	1.559-09	4.599-01	1.343-01	3.107-03	1.689-05	1.203-05
-4.6	6.471-12	1.155-04	9.301-12	1.248-09	5.082-01	1.462-01	3.356-03	2.191-05	1.249-05
-4.4	4.154-12	1.140-04	7.131-12	1.000-09	5.519-01	1.567-01	3.576-03	2.788-05	1.290-05
-4.2	2.663-12	1.111-04	5.420-12	8.015-10	5.906-01	1.659-01	3.767-03	3.493-05	1.326-05
-4.0	1.704-12	1.066-04	4.078-12	6.422-10	6.241-01	1.738-01	3.932-03	4.272-05	1.358-05
-3.8	1.089-12	1.008-04	3.032-12	5.143-10	6.520-01	1.805-01	4.070-03	5.166-05	1.385-05
-3.6	6.951-13	9.391-05	2.225-12	4.114-10	6.749-01	1.862-01	4.187-03	6.088-05	1.407-05
-3.4	4.432-13	8.610-05	1.612-12	3.289-10	6.939-01	1.908-01	4.283-03	7.076-05	1.426-05
-3.2	2.823-13	7.773-05	1.152-12	2.628-10	7.134-01	1.947-01	4.363-03	8.385-05	1.442-05
-3.0	1.797-13	6.912-05	8.119-13	2.098-10	7.267-01	1.979-01	4.429-03	9.687-05	1.455-05
-2.8	1.144-13	6.059-05	5.650-13	1.674-10	7.374-01	2.005-01	4.483-03	1.006-04	1.466-05
-2.6	7.280-14	5.240-05	3.883-13	1.336-10	7.456-01	2.027-01	4.528-03	1.097-04	1.475-05
-2.4	4.635-14	4.476-05	2.639-13	1.066-10	7.516-01	2.045-01	4.564-03	1.181-04	1.484-05
-2.2	2.954-14	3.782-05	1.776-13	8.508-11	7.555-01	2.061-01	4.603-03	1.257-04	1.492-05
-2.0	1.884-14	3.165-05	1.185-13	6.797-11	7.570-01	2.077-01	4.637-03	1.324-04	1.500-05
-1.8	1.204-14	2.624-05	7.843-14	5.437-11	7.560-01	2.093-01	4.674-03	1.382-04	1.510-05
-1.6	7.717-15	2.163-05	5.158-14	4.357-11	7.516-01	2.111-01	4.718-03	1.432-04	1.522-05
-1.4	4.959-15	1.769-05	3.370-14	3.501-11	7.429-01	2.133-01	4.773-03	1.473-04	1.539-05
-1.2	3.197-15	1.436-05	2.187-14	2.823-11	7.288-01	2.162-01	4.845-03	1.505-04	1.561-05
-1.0	2.067-15	1.155-05	1.404-14	2.283-11	7.079-01	2.199-01	4.941-03	1.525-04	1.591-05
-.8	1.337-15	9.164-06	8.881-15	1.851-11	6.792-01	2.246-01	5.065-03	1.528-04	1.630-05
-.6	8.618-16	7.119-06	5.479-15	1.502-11	6.424-01	2.303-01	5.220-03	1.507-04	1.679-05
-.4	5.512-16	5.362-06	3.259-15	1.216-11	5.980-01	2.368-01	5.405-03	1.451-04	1.739-05
-.2	3.442-16	3.872-06	1.845-15	9.782-12	5.474-01	2.439-01	5.615-03	1.352-04	1.805-05
.0	2.166-16	2.655-06	9.869-16	7.809-12	4.926-01	2.509-01	5.843-03	1.206-04	1.878-05
.2	1.329-16	1.719-06	4.935-16	6.179-12	4.362-01	2.573-01	6.080-03	1.026-04	1.954-05
.4	8.071-17	1.053-06	2.332-16	4.851-12	3.803-01	2.625-01	6.320-03	8.293-05	2.031-05
.6	4.892-17	6.145-07	1.052-16	3.788-12	3.269-01	2.659-01	6.556-03	6.404-05	2.106-05
.8	2.990-17	3.464-07	4.617-17	2.955-12	2.774-01	2.671-01	6.783-03	4.759-05	2.179-05
1.0	1.866-17	1.915-07	2.015-17	2.313-12	2.327-01	2.655-01	7.001-03	3.436-05	2.249-05
1.2	1.208-17	1.056-07	8.961-18	1.827-12	1.931-01	2.609-01	7.208-03	2.432-05	2.316-05
1.4	8.249-18	5.893-08	4.160-18	1.464-12	1.587-01	2.529-01	7.407-03	1.700-05	2.380-05
1.6	6.087-18	3.381-08	2.072-18	1.198-12	1.292-01	2.415-01	7.600-03	1.178-05	.441-05
1.8	5.006-18	2.027-08	1.144-18	1.008-12	1.040-01	2.263-01	7.789-03	8.120-06	2.502-05
2.0	4.625-18	1.295-08	7.350-19	8.864-13	8.256-02	2.076-01	7.978-03	5.556-06	2.563-05
2.2	6.000-18	9.084-09	6.014-19	8.120-13	6.439-02	1.852-01	8.169-03	3.756-06	2.624-05

T= 9100

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.829-01	3.84965+00	5.11863+01	5.50359+01	1.23555+02	-4.89168+00	3.85020+00
-6.8	4.743-01	3.78661+00	4.99546+01	5.37412+01	1.20564+02	-4.69885+00	3.78726+00
-6.6	4.622-01	3.70153+00	4.82915+01	5.19930+01	1.17176+02	-4.50872+00	3.70229+00
-6.4	4.460-01	3.59294+00	4.61677+01	4.97607+01	1.13372+02	-4.32166+00	3.59381+00
-6.2	4.252-01	3.46270+00	4.36192+01	4.70819+01	1.09198+02	-4.13769+00	3.46367+00
-6.0	3.998-01	3.31620+00	4.07506+01	4.40668+01	1.04768+02	-3.95646+00	3.31724+00
-5.8	3.704-01	3.16113+00	3.77128+01	4.08735+01	1.00239+02	-3.77726+00	3.16222+00
-5.6	3.379-01	3.00574+00	3.46668+01	3.76725+01	9.57730+01	-3.59915+00	3.00685+00
-5.4	3.034-01	2.85710+00	3.17517+01	3.46088+01	9.15083+01	-3.42118+00	2.85820+00
-5.2	2.684-01	2.72027+00	2.90671+01	3.17874+01	8.75400+01	-3.24249+00	2.72134+00
-5.0	2.340-01	2.59816+00	2.66701+01	2.92683+01	8.39189+01	-3.06244+00	2.59918+00
-4.8	2.013-01	2.49183+00	2.45821+01	2.70739+01	8.06595+01	-2.88059+00	2.49279+00
-4.6	1.711-01	2.40101+00	2.27982+01	2.51993+01	7.77497+01	-2.69671+00	2.40191+00
-4.4	1.439-01	2.32463+00	2.12974+01	2.36220+01	7.51613+01	-2.51075+00	2.32546+00
-4.2	1.198-01	2.26113+00	2.00496+01	2.23107+01	7.28581+01	-2.32278+00	2.26190+00
-4.0	9.899-02	2.20884+00	1.90218+01	2.12306+01	7.08015+01	-2.13294+00	2.20954+00
-3.8	8.122-02	2.16607+00	1.81813+01	2.03473+01	6.89540+01	-1.94143+00	2.16670+00
-3.6	6.676-02	2.13126+00	1.74975+01	1.96287+01	6.72810+01	-1.74847+00	2.13183+00
-3.4	5.380-02	2.10300+00	1.69430+01	1.90460+01	6.57518+01	-1.55427+00	2.10352+00
-3.2	4.351-02	2.08006+00	1.64940+01	1.85740+01	6.43398+01	-1.35903+00	2.08053+00
-3.0	3.508-02	2.06136+00	1.61297+01	1.81910+01	6.30220+01	-1.16295+00	2.06178+00
-2.8	2.822-02	2.04594+00	1.58321+01	1.78781+01	6.17788+01	-9.66210-01	2.04631+00
-2.6	2.266-02	2.03291+00	1.55853+01	1.76182+01	6.05929+01	-7.68990-01	2.03324+00
-2.4	1.817-02	2.02144+00	1.53745+01	1.73959+01	5.94486+01	-5.71440-01	2.02173+00
-2.2	1.456-02	2.01062+00	1.51851+01	1.71957+01	5.83308+01	-3.73780-01	2.01087+00
-2.0	1.167-02	1.99963+00	1.50016+01	1.70010+01	5.72239+01	-1.76200-01	1.99964+00
-1.8	9.362-03	1.98663+00	1.48061+01	1.67928+01	5.61106+01	2.10100-02	1.98681+00
-1.6	7.523-03	1.97071+00	1.45779+01	1.65487+01	5.49710+01	2.17520-01	1.97084+00
-1.4	6.064-03	1.94988+00	1.42929+01	1.62426+01	5.37831+01	4.12900-01	1.94994+00
-1.2	4.912-03	1.92223+00	1.39260+01	1.58483+01	5.25243+01	6.06700-01	1.92221+00
-1.0	4.005-03	1.88615+00	1.34562+01	1.53424+01	5.11773+01	7.98470-01	1.88602+00
-.8	3.296-03	1.84092+00	1.28738+01	1.47147+01	4.97363+01	9.87930-01	1.84063+00
-.6	2.743-03	1.78717+00	1.21867+01	1.39738+01	4.82135+01	1.17506+00	1.78665+00
-.4	2.314-03	1.72698+00	1.14209+01	1.31479+01	4.66385+01	1.36018+00	1.72612+00
-.2	1.980-03	1.66338+00	1.06150+01	1.22784+01	4.50519+01	1.54389+00	1.66202+00
.0	1.719-03	1.59964+00	9.80993+00	1.14096+01	4.34956+01	1.72692+00	1.59756+00
.2	1.510-03	1.53856+00	9.04047+00	1.05790+01	4.20037+01	1.91001+00	1.53537+00
.4	1.339-03	1.48219+00	8.33095+00	9.81314+00	4.05987+01	2.09380+00	1.47726+00
.6	1.195-03	1.43179+00	7.69457+00	9.12636+00	3.92918+01	2.27877+00	1.42429+00
.8	1.068-03	1.38806+00	7.13522+00	8.52327+00	3.80835+01	2.46530+00	1.37659+00
1.0	9.545-04	1.35143+00	6.65018+00	8.00161+00	3.69679+01	2.65369+00	1.33388+00
1.2	8.500-04	1.32247+00	6.23274+00	7.55521+00	3.59351+01	2.84428+00	1.29553+00
1.4	7.534-04	1.30220+00	5.87429+00	7.17648+00	3.49727+01	3.03757+00	1.26077+00
1.6	6.654-04	1.29267+00	5.56581+00	6.85847+00	3.40672+01	3.23438+00	1.22882+00
1.8	5.881-04	1.29749+00	5.29898+00	6.59647+00	3.32047+01	3.43600+00	1.19948+00
2.0	5.260-04	1.32274+00	5.06691+00	6.38964+00	3.23702+01	3.64437+00	1.17065+00
2.2	4.883-04	1.37801+00	4.86467+00	6.24269+00	3.15475+01	3.86215+00	1.14332+00

T= 92CC

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	8.661-11	5.724-14	2.670-12	1.034-15	2.202-27	6.462-25	2.454-24	7.610-10	7.531-12
-6.8	3.067-10	2.022-13	1.007-11	4.005-15	1.894-26	5.420-24	2.081-23	1.785-09	1.740-11
-6.6	1.054-09	6.785-13	3.430-11	1.416-14	1.522-25	4.217-23	1.643-22	4.060-09	3.841-11
-6.4	3.651-09	2.130-12	1.102-10	4.796-14	1.133-24	2.987-22	1.187-21	8.987-09	8.050-11
-6.2	1.060-08	6.759-12	3.505-10	1.530-13	7.710-24	1.897-21	7.729-21	1.857-08	1.612-10
-6.0	3.029-08	1.695-11	9.190-10	4.626-13	4.749-23	1.072-20	4.480-20	3.687-08	3.031-10
-5.8	8.043-08	4.245-11	2.370-09	1.320-12	2.633-22	5.382-20	2.317-19	6.935-08	5.379-10
-5.6	1.987-07	9.886-11	5.606-09	3.540-12	1.331-21	2.420-19	1.073-18	1.237-07	9.045- 0
-5.4	4.991-07	2.159-10	1.277-08	9.116-12	6.181-21	9.856-19	4.695-18	2.039-07	1.650-09
-5.2	9.904-07	4.456-10	2.706-08	2.227-11	2.664-20	3.684-18	1.724-17	3.401-07	2.230 09
-5.0	2.059-06	8.772-10	5.452-08	5.218-11	1.077-19	1.280-17	6.134-17	5.291-07	3.312-09
-4.8	4.095-06	1.660-09	1.053-07	1.170-10	4.116-19	4.188-17	2.048-16	7.965-07	4.776-09
-4.6	7.888-06	3.039-09	1.981-07	2.570-10	1.501-18	1.303-16	6.482-16	1.157-06	6.721-09
-4.4	1.418-05	5.416-09	3.648-07	5.442-10	5.259-18	3.992-16	1.944-15	1.642-06	9.268-09
-4.2	2.517-05	9.440-09	6.292-07	1.121-09	1.770-17	1.124-15	5.739-15	2.280-06	1.257-08
-4.0	4.362-05	1.615-08	1.080-06	2.270-09	5.779-17	3.158-15	1.629-14	3.110-06	1.680-08
-3.8	7.523-05	2.734-08	1.830-06	4.411-09	1.837-16	8.681-15	4.512-14	4.177-06	2.222-08
-3.6	1.269-04	4.537-08	3.070-06	8.434-09	5.695-16	2.344-14	1.226-13	5.541-06	2.910-08
-3.4	2.115-04	7.469-08	5.103-06	1.586-08	1.703-15	6.236-14	3.278-13	7.278-06	3.783-08
-3.2	3.466-04	1.225-07	8.383-06	2.917-08	5.013-15	1.640-13	8.655-13	9.475-06	4.868-08
-3.0	5.704-04	1.991-07	1.367-05	5.263-08	1.445-14	4.272-13	2.261-12	1.225-05	6.286-08
-2.8	9.262-04	3.222-07	2.216-05	9.332-08	4.086-14	1.104-12	5.854-12	1.576-05	8.052-08
-2.6	1.495-03	5.192-07	3.574-05	1.626-07	1.135-13	2.837-12	1.505-11	2.016-05	1.026-07
-2.4	2.400-03	8.342-07	5.739-05	2.809-07	3.106-13	7.247-12	3.844-11	2.566-05	1.311-07
-2.2	3.830-03	1.337-06	9.179-05	4.751-07	8.370-13	1.842-11	9.751-11	3.252-05	1.668-07
-2.0	6.078-03	2.140-06	1.463-04	7.972-07	2.233-12	4.663-11	2.457-10	4.098-05	2.121-07
-1.8	9.568-03	3.423-06	2.321-04	1.324-06	5.886-12	1.175-10	6.141-10	5.129-05	2.695-07
-1.6	1.492-02	5.474-06	3.646-04	2.181-06	1.537-11	2.942-10	1.519-09	6.361-05	3.428-07
-1.4	2.290-02	8.761-06	5.755-04	3.563-06	3.982-11	7.321-10	3.707-09	7.789-05	4.364-07
-1.2	3.477-02	1.405-05	8.985-04	5.778-06	1.022-10	1.806-09	8.884-09	9.373-05	5.564-07
-1.0	5.143-02	2.258-05	1.382-03	9.291-06	2.601-10	4.408-09	2.079-08	1.102-04	7.106-07
-.8	7.386-02	3.640-05	2.105-03	1.470-05	6.540-10	1.061-08	4.724-08	1.256-04	9.083-07
-.6	1.029-01	5.884-05	3.156-03	2.319-05	1.617-09	2.512-08	1.037-07	1.380-04	1.160-06
-.4	1.381-01	9.526-05	4.652-03	3.564-05	3.900-09	5.837-08	2.193-07	1.454-04	1.474-06
-.2	1.786-01	1.542-04	6.779-03	5.255-05	9.092-09	1.329-07	4.457-07	1.454-04	1.858-06
.0	2.220-01	2.480-04	9.548-03	7.472-05	2.020-08	2.962-07	8.719-07	1.410-04	2.314-06
.2	2.606-01	3.993-04	1.329-02	1.011-04	4.292-08	6.462-07	1.644-06	1.302-04	2.842-06
.4	3.147-01	6.356-04	1.814-02	1.296-04	8.981-08	1.380-06	2.997-06	1.159-04	3.442-06
.6	3.587-01	1.001-03	2.420-02	1.570-04	1.622-07	2.885-06	5.296-06	1.003-04	4.112-06
.8	3.997-01	1.556-03	3.168-02	1.837-04	2.917-07	5.914-06	9.094-06	8.502-05	4.862-06
1.0	4.367-01	2.380-03	4.131-02	2.059-04	5.026-07	1.190-05	1.521-05	7.136-05	5.712-06
1.2	4.695-01	3.577-03	5.259-02	2.263-04	8.307-07	2.358-05	2.482-05	5.988-05	6.700-06
1.4	4.980-01	5.271-03	6.556-02	2.393-04	1.356-06	4.616-05	3.958-05	5.080-05	7.901-06
1.6	5.225-01	7.600-03	8.053-02	2.514-04	2.152-06	8.996-05	6.174-05	4.438-05	9.455-06
1.8	5.435-01	1.071-02	9.725-02	2.612-04	3.365-06	1.766-04	9.425-05	4.044-05	1.163-05
2.0	5.616-01	1.472-02	1.156-01	2.691-04	5.216-06	3.556-04	1.409-04	3.965-05	1.503-05
2.2	5.774-01	1.972-02	1.350-01	2.751-04	8.066-06	7.568-04	2.060-04	4.293-05	2.116-05

T= 92CC

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.701-25	3.456-09	3.736-14	4.895-11	3.830-01	1.241-08	1.006-01	1.004-11	2.210-03
-6.8	1.469-24	8.081-09	8.076-14	1.133-10	3.781-01	7.962-09	9.829-02	6.374-12	2.145-03
-6.6	7.495-24	1.812-08	2.065-13	2.531-10	3.711-01	5.142-09	9.504-02	4.055-12	2.056-03
-6.4	3.533-23	3.869-08	4.660-13	5.612-10	3.613-01	3.347-09	9.074-02	2.589-12	1.961-03
-6.2	1.520-22	7.988-08	1.016-12	1.099-09	3.481-01	2.196-09	8.538-02	1.659-12	1.803-03
-6.0	5.930-22	1.534-07	2.134-12	2.114-09	3.313-01	1.452-09	7.908-02	1.067-12	1.646-03
-5.8	2.098-21	2.862-07	4.312-12	3.837-09	3.108-01	9.654-10	7.206-02	6.892-13	1.478-03
-5.6	6.773-21	4.852-07	8.397-12	6.609-09	2.872-01	6.442-10	6.465-02	4.466-13	1.307-03
-5.4	2.015-20	8.002-07	1.579-11	1.084-08	2.611-01	4.304-10	5.715-02	2.900-13	1.140-03
-5.2	5.585-20	1.263-06	2.874-11	1.703-08	2.337-01	2.872-10	4.983-02	1.886-13	9.829-04
-5.0	1.458-19	1.920-06	5.080-11	2.579-08	2.060-01	1.911-10	4.290-02	1.226-13	8.378-04
-4.8	3.623-19	2.826-06	8.730-11	3.782-08	1.789-01	1.266-10	3.652-02	7.957-14	7.072-04
-4.6	8.640-19	4.046-06	1.466-10	5.399-08	1.533-01	8.345-11	3.076-02	5.156-14	5.916-04
-4.4	1.992-18	5.659-06	2.401-10	7.535-08	1.299-01	5.473-11	2.568-02	3.333-14	4.911-04
-4.2	4.467-18	7.765-06	3.848-10	1.032-07	1.088-01	3.572-11	2.127-02	2.150-14	4.047-04
-4.0	9.794-18	1.049-05	6.036-10	1.391-07	9.036-02	2.320-11	1.749-02	1.382-14	3.316-04
-3.8	2.109-17	1.397-05	9.278-10	1.852-07	7.445-02	1.501-11	1.429-02	8.875-15	2.702-04
-3.6	4.473-17	1.842-05	1.398-09	2.440-07	6.094-02	9.675-12	1.163-02	5.684-15	2.193-04
-3.4	9.376-17	2.407-05	2.068-09	3.186-07	4.961-02	6.217-12	9.417-03	3.635-15	1.772-04
-3.2	1.947-16	3.122-05	3.002-09	4.133-07	4.020-02	3.985-12	7.601-03	2.321-15	1.429-04
-3.0	4.011-16	4.026-05	4.284-09	5.331-07	3.245-02	2.549-12	6.119-03	1.480-15	1.149-04
-2.8	8.215-16	5.167-05	6.014-09	6.846-07	2.611-02	1.628-12	4.915-03	9.436-16	9.218-05
-2.6	1.675-15	6.605-05	8.317-09	8.762-07	2.096-02	1.038-12	3.942-03	6.013-16	7.388-05
-2.4	3.401-15	8.413-05	1.134-08	1.119-06	1.678-02	6.613-13	3.158-03	3.832-16	5.916-05
-2.2	6.890-15	1.068-04	1.528-08	1.426-06	1.341-02	4.207-13	2.528-03	2.443-16	4.735-05
-2.0	1.393-14	1.352-04	2.037-08	1.815-06	1.069-02	2.673-13	2.024-03	1.559-16	3.790-05
-1.8	2.815-14	1.706-04	2.690-08	2.311-06	8.492-03	1.695-13	1.621-03	9.964-17	3.036-05
-1.6	5.680-14	2.142-04	3.522-08	2.944-06	6.724-03	1.072-13	1.299-03	6.381-17	2.436-05
-1.4	1.151-13	2.674-04	4.576-08	3.757-06	5.297-03	6.751-14	1.044-03	4.097-17	1.959-05
-1.2	2.334-13	3.312-04	5.901-08	4.812-06	4.143-03	4.223-14	8.403-04	2.638-17	1.579-05
-1.0	4.754-13	4.058-04	7.540-08	6.195-06	3.208-03	2.614-14	6.783-04	1.702-17	1.278-05
-.8	9.742-13	4.899-04	9.510-08	8.032-06	2.450-03	1.595-14	5.486-04	1.100-17	1.037-05
-.6	2.012-12	5.802-04	1.176-07	1.051-05	1.839-03	9.532-15	4.437-04	7.084-18	8.430-06
-.4	4.195-12	6.713-04	1.414-07	1.391-05	1.350-03	5.548-15	3.579-04	4.529-18	6.844-06
-.2	8.836-12	7.562-04	1.633-07	1.862-05	9.675-04	3.131-15	2.869-04	2.859-18	5.533-06
.0	1.879-11	8.280-04	1.793-07	2.524-05	6.755-04	1.710-15	2.278-04	1.776-18	4.443-06
.2	4.024-11	8.815-04	1.857-07	3.454-05	4.599-04	9.050-16	1.789-04	1.064-18	3.539-06
.4	8.652-11	9.147-04	1.812-07	4.762-05	3.063-04	4.669-16	1.390-04	6.521-19	2.799-06
.6	1.860-10	9.290-04	1.675-07	6.587-05	2.005-04	2.370-16	1.070-04	3.890-19	2.204-06
.8	3.976-10	9.287-04	1.484-07	9.104-05	1.299-04	1.198-16	8.187 05	2.322-19	1.735-06
1.0	8.425-10	9.199-04	1.278-07	1.252-04	8.387-05	6.113-17	6.259-05	1.401-19	1.375-06
1.2	1.763-09	9.095-04	1.089-07	1.711-04	5.443-05	3.199-17	4.807-05	8.666-20	1.104-06
1.4	3.665-09	9.054-04	9.323-08	2.317-04	3.564-05	1.749-17	3.735-05	5.580-20	9.071-07
1.6	7.466-09	9.172-04	8.167-08	3.120-04	2.422-05	1.022-17	2.963-05	3.817-20	7.706-07
1.8	1.532-08	9.589-04	7.465-08	4.206-04	1.702-05	6.569-18	2.427-05	2.851-20	6.871-07
2.0	3.218-08	1.056-03	7.307-08	5.775-04	1.268-05	4.873-18	2.092-05	2.432-20	6.573-07
2.2	7.232-08	1.270-03	7.982-08	8.360-04	1.037-05	4.573-18	1.957-05	2.595-20	7.003-07

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LOG E	A**	*C*	C**	*E*	N	O	S	C	NE
-7.0	2.173-09	8.496-05	5.289-10	5.747-08	2.C27-02	7.703-03	2.016-04	2.491-07	7.689-05
-6.8	1.371-09	8.602-05	3.480-10	3.797-08	3.081-02	1.158-02	3.012-04	3.942-07	7.818-06
-6.6	8.645-10	8.753-05	2.330-10	2.592-08	4.596-02	1.702-02	4.387-04	6.206-07	7.986-06
-6.4	5.458-10	8.957-05	1.594-10	1.753-08	6.694-02	2.431-02	6.159-04	9.193-07	8.209-06
-6.2	3.452-10	9.219-05	1.117-10	1.235-08	9.475-02	3.360-02	8.458-04	1.349-06	8.495-06
-6.0	2.189-10	9.537-05	8.030-11	8.933-09	1.293-01	4.482-02	1.112-03	2.071-06	8.850-06
-5.8	1.393-10	9.859-05	5.907-11	6.627-09	1.720-01	5.756-02	1.410-03	3.034-06	9.268-06
-5.6	8.900-11	1.028-04	4.432-11	5.028-09	2.201-01	7.165-02	1.727-03	4.366-06	9.760-06
-5.4	5.704-11	1.066-04	3.376-11	3.885-09	2.726-01	8.625-02	2.052-03	6.165-06	1.035-05
-5.2	3.686-11	1.100-04	2.598-11	3.044-09	3.274-01	1.009-01	2.373-03	8.534-06	1.078-05
-5.0	2.359-11	1.127-04	2.010-11	2.408-09	3.825-01	1.152-01	2.681-03	1.160-05	1.130-05
-4.8	1.519-11	1.145-04	1.556-11	1.918-09	4.359-01	1.287-01	2.970 03	1.545-05	1.181-05
-4.6	9.772-12	1.149-04	1.202-11	1.533-09	4.851-01	1.410-01	3.233-03	2.019-05	1.228-05
-4.4	6.282-12	1.140-04	9.232-12	1.229-09	5.320-01	1.522-01	3.468-03	2.587-05	1.271-05
-4.2	4.032-12	1.116-04	7.036-12	9.841-10	5.731-01	1.620-01	3.674-03	3.254-05	1.310-05
-4.0	2.584-12	1.076-04	5.310-12	7.688-10	6.090-01	1.704-01	3.852-03	4.018-05	1.344-05
-3.8	1.653-12	1.023-04	3.962-12	6.314-10	6.399-01	1.777-01	4.003-03	4.870-05	1.373-05
-3.6	1.056-12	9.572-05	2.970-12	5.057-10	6.661-01	1.839-01	4.131-03	5.736-05	1.397-05
-3.4	6.742-13	8.819-05	2.224-12	4.045-10	6.880-01	1.889-01	4.237-03	6.775-05	1.418-05
-3.2	4.298-13	7.959-05	1.524-12	3.232-10	7.060-01	1.931-01	4.325-03	7.783-05	1.435-05
-3.0	2.739-13	7.145-05	1.079-12	2.562-10	7.208-01	1.965-01	4.397-03	8.791-05	1.449-05
-2.8	1.744-13	6.290-05	7.534-13	2.061-10	7.326-01	1.994-01	4.457-03	9.774-05	1.461-05
-2.6	1.111-13	5.461-05	5.198-13	1.649-10	7.419-01	2.017-01	4.507-03	1.071-04	1.471-05
-2.4	7.075-14	4.682-05	3.545-13	1.313-10	7.488-01	2.037-01	4.550-03	1.157-04	1.480-05
-2.2	4.510-14	3.969-05	2.393-13	1.048-10	7.536-01	2.055-01	4.587-03	1.236-04	1.489-05
-2.0	2.878-14	3.331-05	1.601-13	8.370-11	7.560-01	2.070-01	4.623-03	1.305-04	1.497-05
-1.8	1.840-14	2.771-05	1.063-13	6.694-11	7.560-01	2.086-01	4.659-03	1.364-04	1.506-05
-1.6	1.179-14	2.287-05	7.008-14	5.363-11	7.528-01	2.104-01	4.701-03	1.419-04	1.518-05
-1.4	7.577-15	1.875-05	4.593-14	4.307-11	7.456-01	2.125-01	4.752-03	1.462-04	1.533-05
-1.2	4.887-15	1.527-05	2.991-14	3.470-11	7.333-01	2.151-01	4.819-03	1.497-04	1.553-05
-1.0	3.162-15	1.233-05	1.931-14	2.806-11	7.147-01	2.185-01	4.908-03	1.522-04	1.581-05
-.8	2.049-15	9.839-06	1.231-14	2.275-11	6.885-01	2.229-01	5.026-03	1.532-04	1.617-05
-.6	1.327-15	7.712-06	7.682-15	1.868-11	6.542-01	2.283-01	5.170-03	1.520-04	1.663-05
-.4	8.538-16	5.883-06	4.645-15	1.499-11	6.120-01	.344-01	5.347-03	1.487-04	1.720-05
-.2	5.437-16	4.320-06	2.687-15	1.211-11	5.630-01	2.414-01	5.550-03	1.393-04	1.784-05
.0	3.415-16	3.022-06	1.471-15	9.711-12	5.093-01	2.484-01	5.774-03	1.262-04	1.856-05
.2	2.115-16	2.CCC-06	7.568-16	7.721-12	4.531-01	2.549-01	6.010-03	1.092-04	1.932-05
.4	1.297-16	1.251-06	3.869-16	6.091-12	3.968-01	2.603-01	6.251-03	8.931-05	2.009-05
.6	7.925-17	7.446-07	1.694-16	4.777-12	3.425-01	2.641-01	6.490-03	7.044-05	2.085-05
.8	4.876-17	4.263-07	7.572-17	3.739-12	2.917-01	2.657-01	6.722-03	5.403-05	2.160-05
1.0	3.059-17	2.385-07	3.352-17	2.935-12	2.454-01	2.646-01	6.945-03	3.867-05	2.231-05
1.2	1.987-17	1.325-07	1.506-17	2.323-12	2.043-01	2.605-01	7.157-03	2.756-05	2.299-05
1.4	1.362-17	7.437-08	7.019-18	1.865-12	1.683-01	2.531-01	7.362-03	1.935-05	2.365-05
1.6	1.CC8-17	4.282-08	3.524-18	1.528-12	1.372-01	2.421-01	7.559-03	1.346-05	2.428-05
1.8	8.319-18	2.572-08	1.955-18	1.287-12	1.106-01	2.275-01	7.752-03	9.289-06	2.490-05
2.0	8.067-18	1.645-08	1.264-18	1.125-12	8.794-02	2.091-01	7.945-03	6.360-06	2.552-05
2.2	1.016-17	1.158-08	1.046-18	1.041-12	6.866-02	1.871-01	8.139-03	4.300-06	2.615-05

T= 92CC

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.859-01	3.87224+C0	5.11392+01	5.50115+01	1.24067+02	-4.88440+00	3.87273+00
-6.8	4.787-01	3.81823+C0	5.00954+01	5.39136+01	1.21252+02	-4.69050+00	3.81889+00
-6.6	4.683-01	3.74366+C0	4.86538+01	5.23975+01	1.18068+02	-4.49906+00	3.74446+00
-6.4	4.541-01	3.64596+C0	4.67630+01	5.04885+01	1.14475+02	-4.31055+00	3.64686+00
-6.2	4.354-01	3.52528+C0	4.44268+01	4.79521+01	1.10487+02	-4.12516+00	3.52630+00
-6.0	4.121-01	3.38560+00	4.17187+01	4.51041+01	1.06187+02	-3.94274+00	3.38658+00
-5.8	3.845-01	3.23337+C0	3.87705+01	4.20035+01	1.01714+02	-3.76270+00	3.23455+00
-5.6	3.532-01	3.07719+C0	3.57416+01	3.88188+01	9.72324+01	-3.58420+00	3.07840+00
-5.4	3.195-01	2.92470+C0	3.27826+01	3.57073+01	9.28917+01	-3.40628+00	2.92591+00
-5.2	2.846-01	2.78195+C0	3.00111+01	3.27531+01	8.88068+01	-3.22801+00	2.78314+00
-5.0	2.498-01	2.65281+C0	2.75029+01	3.01557+01	8.50476+01	-3.04865+00	2.65395+00
-4.8	2.162-01	2.53915+C0	2.52943+01	2.78335+01	8.16442+01	-2.86767+00	2.54023+00
-4.6	1.848-01	2.44125+00	2.33913+01	2.58326+01	7.85951+01	-2.68475+00	2.44227+00
-4.4	1.561-01	2.35836+00	2.17795+01	2.41178+01	7.58787+01	-2.49975+00	2.35930+00
-4.2	1.306-01	2.29909+C0	2.04324+01	2.27715+01	7.34621+01	-2.31269+00	2.29994+00
-4.0	1.083-01	2.23192+C0	1.93133+01	2.15501+01	7.13075+01	-2.12370+00	2.23262+00
-3.8	8.913-02	2.18483+C0	1.84043+01	2.05891+01	6.93769+01	-1.93294+00	2.18556+00
-3.6	7.290-02	2.14650+C0	1.76590+01	1.98055+01	6.76346+01	-1.74063+00	2.14716+00
-3.4	5.932-02	2.11536+C0	1.70537+01	1.91691+01	6.60483+01	-1.54697+00	2.11595+00
-3.2	4.806-02	2.09007+C0	1.65633+01	1.86534+01	6.45897+01	-1.35220+00	2.09061+00
-3.0	3.881-02	2.06949+C0	1.61657+01	1.82352+01	6.32345+01	-1.15649+00	2.06997+00
-2.8	3.125-02	2.05260+C0	1.58418+01	1.78945+01	6.19616+01	-9.60050-01	2.05303+00
-2.6	2.512-02	2.03849+C0	1.55750+01	1.76135+01	6.07529+01	-7.63050-01	2.03887+00
-2.4	2.015-02	2.02626+C0	1.53498+01	1.73760+01	5.95918+01	-5.65660-01	2.02663+00
-2.2	1.616-02	2.01504+C0	1.51516+01	1.71666+01	5.84631+01	-3.68070-01	2.01536+00
-2.0	1.295-02	2.00384+C0	1.49652+01	1.69690+01	5.73513+01	-1.70500-01	2.00409+00
-1.8	1.039-02	1.99148+C0	1.47734+01	1.67645+01	5.62395+01	2.68200-02	1.99169+00
-1.6	8.345-03	1.97651+C0	1.45565+01	1.65331+01	5.51088+01	2.23540-01	1.97667+00
-1.4	6.721-03	1.95722+C0	1.42914+01	1.62486+01	5.39377+01	4.19280-01	1.95731+00
-1.2	5.435-03	1.93169+00	1.39528+01	1.58845+01	5.27055+01	6.13586-01	1.93170+00
-1.0	4.422-03	1.89818+C0	1.35182+01	1.54163+01	5.13866+01	8.05980-01	1.89804+00
-.8	3.627-03	1.85560+00	1.29735+01	1.48291+01	4.99773+01	9.94130-01	1.85533+00
-.6	3.007-03	1.80417+C0	1.23209+01	1.41251+01	4.84817+01	1.18392+00	1.80366+00
-.4	2.525-03	1.74555+C0	1.15812+01	1.33267+01	4.69744+01	1.36957+00	1.74469+00
-.2	2.150-03	1.68255+C0	1.07897+01	1.24722+01	4.53435+01	1.55361+00	1.68119+00
.0	1.857-03	1.61847+C0	9.98707+00	1.16055+01	4.37809+01	1.73675+00	1.61635+00
.2	1.625-03	1.55631+C0	9.21039+00	1.07667+01	4.22733+01	1.91974+00	1.55306+00
.4	1.436-03	1.49838+C0	8.48703+00	9.98541+00	4.08468+01	2.10326+00	1.49341+00
.6	1.278-03	1.44619+00	7.83318+00	9.27938+00	3.95153+01	2.28787+00	1.43962+00
.8	1.142-03	1.40065+00	7.25519+00	8.65584+00	3.82821+01	2.47397+00	1.39309+00
1.0	1.C20-03	1.36232+C0	6.75203+00	8.11435+00	3.71430+01	2.66192+00	1.34666+00
1.2	9.C88-04	1.33182+C0	6.31801+00	7.64983+00	3.60890+01	2.85209+00	1.30472+00
1.4	8.067-04	1.31024+C0	5.94499+00	7.25523+00	3.51080+01	3.04493+00	1.26860+00
1.6	7.138-04	1.29960+00	5.62412+00	6.92372+00	3.41867+01	3.24145+00	1.23549+00
1.8	6.325-04	1.30351+00	5.34698+00	6.65049+00	3.33108+01	3.44275+00	1.20467+00
2.0	5.675-04	1.32798+C0	5.10644+00	6.43442+00	3.24653+01	3.65083+00	1.17550+00
2.2	5.291-04	1.38257+00	4.89734+00	6.27991+00	3.16335+01	3.86833+00	1.14743+00

T= 9300

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	5.004-11	3.749-14	1.776-12	6.700-16	1.061-2	3.279-25	1.193-24	5.447-10	5.880-12
-6.8	1.835-10	1.369-13	6.449-12	2.485-15	9.344-27	2.026-24	1.039-23	1.338-09	1.368-11
-6.6	6.479-10	4.836-13	2.247-11	8.928-15	7.770-26	2.279-23	8.405-23	3.089-09	3.075-11
-6.4	2.178-09	1.504-12	7.421-11	3.076-14	6.005-25	1.687-22	6.393-22	6.889-09	6.618-11
-6.2	6.895-09	4.552-12	2.297-10	1.010-13	4.249-24	1.127-21	4.366-21	1.472-08	1.352-10
-6.0	2.036-08	1.276-11	6.611-10	3.133-13	2.727-23	6.707-21	2.669-20	2.983-08	2.607-10
-5.8	5.996-08	3.506-11	1.763-09	9.169-13	1.582-22	3.547-20	1.453-19	5.771-08	4.743-10
-5.6	1.428-07	7.942-11	4.367-09	2.533-12	8.328-22	1.673-19	7.069-19	1.055-07	8.158-10
-5.4	3.400-07	1.782-10	1.009-08	6.630-12	4.007-21	7.109-19	3.092-18	1.830-07	1.334-09
-5.2	7.996-07	3.764-10	2.192-08	1.652-11	1.781-20	2.755-18	1.232-17	3.026-07	2.086-09
-5.0	1.804-06	7.557-10	4.513-08	3.937-11	7.389-20	9.874-18	4.529-17	4.794-07	3.143-09
-4.8	3.223-06	1.453-09	8.873-08	9.019-11	2.859-19	3.313-17	1.556-16	7.313-07	4.587-09
-4.6	6.214-06	2.697-09	1.676-07	1.994-10	1.073-18	1.053-16	5.031-16	1.080-06	6.519-09
-4.4	1.156-05	4.860-09	3.073-07	4.273-10	3.815-18	3.198-16	1.553-15	1.550-06	9.063-09
-4.2	2.068-05	8.568-09	5.477-07	8.602-10	1.305-17	9.366-16	4.609-15	2.173-06	1.237-08
-4.0	3.600-05	1.474-08	9.567-07	1.702-09	4.311-17	2.662-15	1.325-14	2.986-06	1.664-08
-3.8	6.354-05	2.500-08	1.636-06	3.302-09	1.351-16	7.365-15	3.707-14	4.015-06	2.210-08
-3.6	1.079-04	4.185-08	2.755-06	6.310-09	4.303-16	2.009-14	1.016-13	5.386-06	2.905-08
-3.4	1.808-04	6.930-08	4.569-06	1.300-08	1.307-15	5.377-14	2.734-13	7.104-06	3.789-08
-3.2	2.994-04	1.138-07	7.567-06	2.608-08	3.876-15	1.421-13	7.258-13	9.285-06	4.908-08
-3.0	4.915-04	1.855-07	1.236-05	4.337-08	1.125-14	3.716-13	1.905-12	1.205-05	6.325-08
-2.8	8.005-04	3.000-07	2.012-05	7.185-08	3.260-14	9.637-13	4.951-12	1.553-05	8.115-08
-2.6	1.295-03	4.855-07	3.251-05	1.365-07	8.938-14	2.462-12	1.277-11	1.991-05	1.038-07
-2.4	2.084-03	7.809-07	5.230-05	2.357-07	2.456-13	6.354-12	3.268-11	2.540-05	1.324-07
-2.2	3.336-03	1.253-06	8.379-05	4.015-07	6.654-13	1.619-11	8.313-11	3.225-05	1.686-07
-2.0	5.301-03	2.007-06	1.337-04	6.759-07	1.779-12	4.104-11	2.100-10	4.073-05	2.145-07
-1.8	8.370-03	3.210-06	2.125-04	1.126-06	4.706-12	1.035-10	5.264-10	5.112-05	2.727-07
-1.6	1.310-02	5.134-06	3.362-04	1.859-06	1.232-11	2.599-10	1.307-09	6.361-05	3.469-07
-1.4	2.026-02	8.216-06	5.289-04	3.044-06	3.200-11	6.482-10	3.204-09	7.826-05	4.415-07
-1.2	3.083-02	1.317-05	8.230-04	4.947-06	8.238-11	1.604-09	7.725-09	9.476-05	5.629-07
-1.0	4.595-02	2.114-05	1.278-03	7.977-06	2.102-10	3.927-09	1.822-08	1.123-04	7.189-07
-.8	6.666-02	3.405-05	1.953-03	1.274-05	5.306-10	9.491-09	4.177-08	1.294-04	9.193-07
-.6	9.369-02	5.498-05	2.942-03	2.006-05	1.319-09	2.258-08	9.268-08	1.439-04	1.175-06
-.4	1.271-01	8.896-05	4.359-03	3.097-05	3.210-09	5.275-08	1.981-07	1.537-04	1.497-06
-.2	1.662-01	1.439-04	6.339-03	4.664-05	7.572-09	1.208-07	4.072-07	1.572-04	1.894-06
.0	2.096-01	2.323-04	9.042-03	6.701-05	1.714-08	2.708-07	8.052-07	1.536-04	2.371-06
.2	2.591-01	3.731-04	1.269-02	9.210-05	3.691-08	5.939-07	1.534-06	1.439-04	2.928-06
.4	3.072-01	5.968-04	1.735-02	1.203-04	7.512-08	1.275-06	2.820-06	1.297-04	3.565-06
.6	3.459-01	9.384-04	2.335-02	1.489-04	1.445-07	2.680-06	5.023-06	1.135-04	4.293-06
.8	3.879-01	1.461-03	3.085-02	1.754-04	2.636-07	5.521-06	8.686-06	9.708-05	5.090-06
1.0	4.262-01	2.242-03	4.003-02	1.993-04	4.597-07	1.116-05	1.462-05	8.206-05	6.006-06
1.2	4.602-01	3.379-03	5.104-02	2.190-04	7.728-07	2.222-05	2.390-05	6.928-05	7.074-06
1.4	4.900-01	4.934-03	6.398-02	2.351-04	1.262-06	4.369-05	3.843-05	5.914-05	8.374-06
1.6	5.158-01	7.225-03	7.884-02	2.482-04	2.015-06	8.554-05	6.021-05	5.177-05	1.006-05
1.8	5.379-01	1.022-02	9.554-02	2.588-04	3.166-06	1.687-04	9.229-05	4.731-05	1.243-05
2.0	5.559-01	1.410-02	1.138-01	2.673-04	4.928-06	3.413-04	1.384-04	4.630-05	1.614-05
2.2	5.735-01	1.897-02	1.333-01	2.739-04	7.651-06	7.299-04	2.031-04	5.059-05	2.288-05

T= 9300

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.881-25	2.499-05	2.785-14	3.997-11	3.846-01	1.871-08	1.014-01	1.639-11	2.236-03
-6.8	1.046-24	5.868-09	6.680-14	9.369-11	3.836-01	1.198-08	9.939-02	1.039-11	2.182-03
-6.6	5.802-24	1.337-08	1.569-13	2.129-10	3.767-01	7.713-09	9.655-02	6.603-12	2.106-03
-6.4	2.892-23	2.929-08	3.580-13	4.666-10	3.662-01	5.003-09	9.270-02	4.207-12	2.005-03
-6.2	1.207-22	6.120-09	7.948-13	9.662-10	3.547-01	3.271-09	8.778-02	2.690-12	1.880-03
-6.0	4.920-22	1.212-07	1.697-12	1.903-09	3.395-01	2.156-09	8.185-02	1.727-12	1.733-03
-5.8	1.816-21	2.270-07	3.486-12	3.544-09	3.207-01	1.430-09	7.509-02	1.113-12	1.570-03
-5.6	6.099-21	4.024-07	6.896-12	6.247-09	2.965-01	9.536-10	6.780-02	7.196-13	1.401-03
-5.4	1.870-20	6.777-07	1.315-11	1.046-08	2.734-01	6.370-10	6.029-02	4.666-13	1.231-03
-5.2	5.363-20	1.090-06	2.426-11	1.675-08	2.465-01	4.255-10	5.286-02	3.094-13	1.069-03
-5.0	1.436-19	1.684-06	4.339-11	2.575-08	2.188-01	2.835-10	4.575-02	1.970-13	9.164-04
-4.8	3.642-19	2.513-06	7.543-11	3.828-08	1.913-01	1.883-10	3.912-02	1.279-13	7.777-04
-4.6	8.834-19	3.639-06	1.278-10	5.527-08	1.649-01	1.244-10	3.310-02	8.295-14	6.538-04
-4.4	2.065-18	5.141-06	2.112-10	7.708-08	1.404-01	8.181-11	2.773-02	5.368-14	5.450-04
-4.2	4.694-18	7.113-06	3.411-10	1.075-07	1.182-01	5.352-11	2.304-02	3.466-14	4.508-04
-4.0	1.037-17	9.670-06	5.391-10	1.459-07	9.857-02	3.435-11	1.900-02	2.232-14	3.705-04
-3.8	2.249-17	1.296-05	8.345-10	1.953-07	8.150-02	2.259-11	1.557-02	1.434-14	3.028-04
-3.6	4.800-17	1.716-05	1.286-09	2.584-07	6.691-02	1.459-11	1.265-02	9.194-15	2.462-04
-3.4	1.011-16	2.251-05	1.884-09	3.387-07	5.460-02	9.389-12	1.030-02	5.924-15	1.994-04
-3.2	2.100-16	2.929-05	2.751-09	4.406-07	4.433-02	6.027-12	8.325-03	3.760-15	1.610-04
-3.0	4.350-16	3.786-05	3.946-09	5.697-07	3.585-02	3.860-12	6.709-03	2.400-15	1.296-04
-2.8	8.948-16	4.870-05	5.567-09	7.330-07	2.889-02	2.468-12	5.395-03	1.531-15	1.041-04
-2.6	1.828-15	6.236-05	7.733-09	9.397-07	2.322-02	1.575-12	4.330-03	9.761-16	8.352-05
-2.4	3.718-15	7.955-05	1.059-08	1.201-06	1.861-02	1.004-12	3.471-03	6.223-16	6.692-05
-2.2	7.561-15	1.012-04	1.432-08	1.532-06	1.488-02	6.397-13	2.780-03	3.969-16	5.359-05
-2.0	1.526-14	1.282-04	1.914-08	1.952-06	1.188-02	4.069-13	2.226-03	2.534-16	4.291-05
-1.8	3.085-14	1.627-04	2.535-08	2.485-06	9.450-03	2.584-13	1.783-03	1.620-16	3.437-05
-1.6	6.234-14	2.038-04	3.328-08	3.166-06	7.494-03	1.637-13	1.429-03	1.037-16	2.757-05
-1.4	1.261-13	2.550-04	4.335-08	4.036-06	5.916-03	1.033-13	1.148-03	6.661-17	2.216-05
-1.2	2.556-13	3.168-04	5.606-08	5.166-06	4.640-03	6.487-14	9.236-04	4.290-17	1.786-05
-1.0	5.197-13	3.897-04	7.188-08	6.639-06	3.607-03	4.036-14	7.454-04	2.771-17	1.445-05
-.8	1.063-12	4.730-04	9.114-08	8.587-06	2.769-03	2.479-14	6.029-04	1.793-17	1.173-05
-.6	2.188-12	5.640-04	1.136-07	1.120-05	2.092-03	1.495-14	4.882-04	1.159-17	9.538-06
-.4	4.546-12	6.580-04	1.382-07	1.476-05	1.548-03	8.802-15	3.946-04	7.452-18	7.758-06
-.2	9.534-12	7.481-04	1.620-07	1.968-05	1.119-03	5.033-15	3.176-04	4.740-18	6.291-06
.0	2.019-11	8.273-04	1.813-07	2.655-05	7.890-04	2.788-15	2.532-04	2.971-18	5.073-06
.2	4.309-11	8.894-04	1.918-07	3.620-05	5.423-04	1.497-15	1.998-04	1.832-18	4.060-06
.4	9.241-11	9.313-04	1.913-07	4.976-05	3.643-04	7.825-16	1.560-04	1.113-18	3.226-06
.6	1.983-10	9.537-04	1.804-07	6.869-05	2.404-04	4.019-16	1.207-04	6.697-19	2.551-06
.8	4.240-10	9.602-04	1.626-07	9.485-05	1.567-04	2.051-16	9.275-05	4.017-19	2.017-06
1.0	8.993-10	9.566-04	1.420-07	1.305-04	1.017-04	1.054-16	7.117-05	2.446-19	1.603-06
1.2	1.887-09	9.504-04	1.221-07	1.785-04	6.626-05	5.552-17	5.482-05	1.520-19	1.290-06
1.4	3.913-09	9.900-04	1.053-07	2.424-04	4.376-05	3.050-17	4.271-05	9.835-20	1.061-06
1.6	8.051-09	9.658-04	9.274-08	3.273-04	2.963-05	1.790-17	3.336-05	6.757-20	9.027-07
1.8	1.661-08	1.013-03	8.511-08	4.431-04	2.086-05	1.156-17	2.789-05	5.075-20	8.059-07
2.0	3.512-08	1.120-03	8.362-08	6.112-04	1.557-05	8.638-18	2.610-05	4.365-20	7.720-07
2.2	7.955-08	1.353-03	9.179-08	8.903-04	1.276-05	8.212-18	2.264-05	4.723-20	8.250-07

T= 930C

LOG C	A**	C+	C**	NF+	N	C	A	C	NE
-7.0	3.225-09	8.459-05	7.376-10	7.496-C8	1.466-C2	6.409-03	1.637-04	2.119-07	7.632-06
-6.8	2.035-09	8.548-05	4.822-10	5.053-C8	2.549-C2	9.714-03	2.469-04	3.312-07	7.741-06
-6.6	1.285-09	8.677-05	3.201-10	3.369-C8	3.837-C2	1.443-02	3.644-04	5.141-07	7.931-06
-6.4	8.116-10	8.854-05	2.168-10	2.290-C8	5.654-C2	2.088-02	5.231-04	7.909-07	8.094-06
-6.2	5.138-10	9.098-05	1.502-10	1.595-C8	8.113-C2	2.931-02	7.266-04	1.203-06	8.356-06
-6.0	3.260-10	9.340-05	1.067-10	1.140-C8	1.129-C1	3.970-02	9.732-04	1.804-06	8.686-06
-5.8	2.075-10	9.720-05	7.769-11	8.364-C9	1.519-C1	5.188-02	1.256-03	2.662-06	9.070-06
-5.6	1.326-10	1.009-04	5.778-11	6.245-C9	1.974-C1	6.543-02	1.565-03	3.861-06	9.520-06
-5.4	8.500-11	1.047-04	4.372-11	4.718-C9	2.481-C1	7.984-02	1.886-03	5.497-06	1.001-05
-5.2	5.465-11	1.083-04	3.349-11	3.753-C9	3.021-C1	9.454-02	2.213-03	7.675-06	1.056-05
-5.0	3.520-11	1.112-04	2.586-11	2.959-C9	3.573-C1	1.090-01	2.529-03	1.051-05	1.106-05
-4.8	2.268-11	1.133-04	1.999-11	2.349-C9	4.117-C1	1.229-01	2.828-03	1.411-05	1.158-05
-4.6	1.462-11	1.142-04	1.544-11	1.875-C9	4.635-C1	1.357-01	3.105-03	1.857-05	1.207-05
-4.4	9.409-12	1.139-04	1.188-11	1.501-C9	5.115-C1	1.474-01	3.354-03	2.398-05	1.252-05
-4.2	6.048-12	1.119-04	9.077-12	1.203-C9	5.549-C1	1.578-01	3.575-03	3.037-05	1.293-05
-4.0	3.881-12	1.084-04	6.871-12	9.642-10	5.931-C1	1.669-01	3.767-03	3.775-05	1.329-05
-3.8	2.487-12	1.036-04	5.146-12	7.726-10	6.263-C1	1.746-01	3.931-03	4.604-05	1.360-05
-3.6	1.591-12	9.739-05	3.806-12	6.187-10	6.546-C1	1.812-01	4.070-03	5.512-05	1.386-05
-3.4	1.016-12	9.016-05	2.779-12	4.950-10	6.784-C1	1.867-01	4.187-03	6.440-05	1.409-05
-3.2	6.485-13	8.216-05	2.002-12	3.958-10	6.981-C1	1.913-01	4.283-03	7.485-05	1.428-05
-3.0	4.135-13	7.372-05	1.423-12	3.162-10	7.143-C1	1.951-01	4.363-03	8.497-05	1.443-05
-2.8	2.635-13	6.517-05	9.977-13	2.525-10	7.274-C1	1.982-01	4.429-03	9.492-05	1.456-05
-2.6	1.679-13	5.661-05	6.909-13	2.016-10	7.378-C1	2.008-01	4.484-03	1.044-04	1.467-05
-2.4	1.070-13	4.888-05	4.768-13	1.609-10	7.457-C1	2.029-01	4.530-03	1.133-04	1.477-05
-2.2	6.825-14	4.157-05	3.202-13	1.285-10	7.513-C1	2.043-01	4.570-03	1.214-04	1.485-05
-2.0	4.357-14	3.459-05	2.148-13	1.026-10	7.547-C1	2.064-01	4.607-03	1.286-04	1.494-05
-1.8	2.786-14	2.918-05	1.430-13	8.205-11	7.556-C1	2.080-01	4.644-03	1.350-04	1.503-05
-1.6	1.785-14	2.415-05	9.454-14	6.571-11	7.535-C1	2.097-01	4.685-03	1.405-04	1.514-05
-1.4	1.147-14	1.984-05	6.219-14	5.275-11	7.478-C1	2.117-01	4.733-03	1.451-04	1.527-05
-1.2	7.602-15	1.620-05	4.059-14	4.268-11	7.372-C1	2.141-01	4.796-03	1.489-04	1.546-05
-1.0	4.792-15	1.312-05	2.632-14	3.433-11	7.206-C1	2.173-01	4.878-03	1.517-04	1.571-05
-.8	3.111-15	1.053-05	1.689-14	2.784-11	6.968-C1	2.214-01	4.986-03	1.532-04	1.605-05
-.6	2.020-15	8.312-06	1.065-14	2.263-11	6.649-C1	2.264-01	5.123-03	1.529-04	1.649-05
-.4	1.307-15	6.412-06	6.533-15	1.839-11	6.250-C1	2.324-01	5.292-03	1.497-04	1.702-05
-.2	8.386-16	4.780-06	3.853-15	1.490-11	5.779-C1	2.391-01	5.488-03	1.427-04	1.765-05
.0	5.315-16	3.407-06	2.159-15	1.200-11	5.253-C1	2.459-01	5.708-03	1.312-04	1.835-05
.2	3.324-16	2.303-06	1.140-15	9.584-12	4.696-C1	2.525-01	5.942-03	1.154-04	1.910-05
.4	2.057-16	1.472-06	5.671-16	7.596-12	4.131-C1	2.581-01	6.184-03	9.655-05	1.987-05
.6	1.267-16	8.929-07	2.680-16	5.984-12	3.580-C1	2.622-01	6.425-03	7.694-05	2.064-05
.8	7.854-17	5.197-07	1.222-16	4.702-12	3.060-C1	2.642-01	6.661-03	5.871-05	2.142-05
1.0	4.953-17	2.944-07	5.492-17	3.702-12	2.584-C1	2.636-01	6.888-03	4.327-05	2.213-05
1.2	3.231-17	1.651-07	2.494-17	2.936-12	2.156-C1	2.600-01	7.106-03	3.108-05	2.283-05
1.4	2.222-17	9.322-08	1.175-17	2.361-12	1.780-C1	2.531-01	7.315-03	2.196-05	2.350-05
1.6	1.649-17	5.288-08	5.918-18	1.936-12	1.454-C1	2.426-01	7.517-03	1.531-05	2.415-05
1.8	1.367-17	3.244-08	3.300-18	1.633-12	1.174-C1	2.285-01	7.715-03	1.059-05	2.478-05
2.0	1.334-17	2.000-08	2.149-18	1.431-12	9.350-C2	2.105-01	7.912-03	7.257-06	2.541-05
2.2	1.701-17	1.468-08	1.800-18	1.328-12	7.308-C2	1.888-01	8.110-03	4.909-06	2.605-05

T= 930C

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	4.884-01	3.89096+C0	5.10193+C1	5.49102+C1	1.24459+C2	-4.87761+00	3.89150+00
-6.8	4.823-01	3.84492+C0	5.01391+C1	5.39841+C1	1.21837+C2	-4.68278+00	3.84559+00
-6.6	4.734-01	3.78011+C0	4.88992+C1	5.26793+C1	1.18841+02	-4.49016+00	3.78090+00
-6.4	4.610-01	3.69305+C0	4.72326+C1	5.09257+C1	1.15453+02	-4.30028+00	3.69397+00
-6.2	4.444-01	3.58252+C0	4.51156+C1	4.86981+C1	1.11660+02	-4.11347+00	3.58357+00
-6.0	4.232-01	3.45071+C0	4.25892+C1	4.60359+C1	1.07513+02	-3.92976+00	3.45187+00
-5.8	3.975-01	3.30323+C0	3.97609+C1	4.30641+C1	1.03129+02	-3.74872+00	3.30448+00
-5.6	3.678-01	3.14791+C0	3.67803+C1	3.99282+C1	9.86631+01	-3.56964+00	3.14921+00
-5.4	3.351-01	2.99292+C0	3.38042+C1	3.67971+C1	9.42733+01	-3.39157+00	2.99424+00
-5.2	3.006-01	2.84517+00	3.09658+C1	3.38110+C1	9.00910+01	-3.21356+00	2.84648+00
-5.0	2.655-01	2.70954+C0	2.83589+C1	3.10685+C1	8.62C55+01	-3.03477+00	2.71081+00
-4.8	2.313-01	2.58876+C0	2.60364+C1	2.86251+C1	8.26636+01	-2.85457+00	2.59998+00
-4.6	1.988-01	2.48377+C0	2.40166+01	2.65C03+C1	7.94765+01	-2.67255+00	2.48492+00
-4.4	1.688-01	2.39422+C0	2.22932+01	2.46874+C1	7.66306+01	-2.48850+00	2.39529+00
-4.2	1.413-01	2.31896+C0	2.08446+C1	2.31636+C1	7.4C973+01	-2.30237+00	2.31995+00
-4.0	1.181-01	2.25646+C0	1.96612+01	2.18576+01	7.18409+01	-2.11424+00	2.25737+00
-3.8	9.750-02	2.20501+C0	1.86505+01	2.08555+01	6.98233+01	-1.92425+00	2.20584+00
-3.6	7.996-02	2.16293+C0	1.78404+01	2.00034+01	6.80079+01	-1.73262+00	2.16369+00
-3.4	6.522-02	2.12869+C0	1.71815+01	1.93102+01	6.63610+01	-1.53955+00	2.12937+00
-3.2	5.294-02	2.10087+C0	1.66470+01	1.87479+01	6.49529+01	-1.34526+00	2.10149+00
-3.0	4.281-02	2.07826+C0	1.62137+01	1.82920+01	6.34575+01	-1.14996+00	2.07881+00
-2.8	3.452-02	2.05976+C0	1.58615+01	1.79213+01	6.21527+01	-9.53850-01	2.06026+00
-2.6	2.777-02	2.04442+C0	1.55727+01	1.76171+01	6.C9189+01	-7.57090-01	2.04484+00
-2.4	2.230-02	2.03133+C0	1.53313+01	1.73626+01	5.97391+01	-5.59880-01	2.03172+00
-2.2	1.789-02	2.01958+C0	1.51224+01	1.71420+01	5.85976+01	-3.62400-01	2.01992+00
-2.0	1.435-02	2.00822+C0	1.49310+01	1.69392+01	5.74787+01	-1.64850-01	2.00851+00
-1.8	1.151-02	1.99612+C0	1.47405+01	1.67366+01	5.63661+01	3.25200-02	1.99636+00
-1.6	9.243-03	1.98191+C0	1.45320+01	1.65139+01	5.52415+01	2.29470-01	1.98210+00
-1.4	7.435-03	1.96394+C0	1.42832+01	1.62471+01	5.40840+01	4.25430-01	1.96406+00
-1.2	6.005-03	1.94031+C0	1.39696+01	1.59099+01	5.28712+01	6.20210-01	1.94035+00
-1.0	4.876-03	1.90919+C0	1.35672+01	1.54764+01	5.15821+01	8.13190-01	1.90910+00
-.8	3.989-03	1.86922+C0	1.30587+01	1.49279+01	5.02033+01	1.00400+00	1.86996+00
-.6	3.296-03	1.82019+C0	1.24410+01	1.42612+01	4.87359+01	1.19265+00	1.81369+00
-.4	2.756-03	1.76334+C0	1.17294+01	1.34927+01	4.71987+01	1.37867+00	1.76249+00
-.2	2.338-03	1.70122+C0	1.09552+01	1.26566+01	4.56267+01	1.56310+00	1.69985+00
.0	2.008-03	1.63707+C0	1.01584+01	1.17954+01	4.40612+01	1.74640+00	1.63693+00
.2	1.749-03	1.57404+C0	9.37725+C0	1.09513+01	4.25408+01	1.92935+00	1.57075+00
.4	1.540-03	1.51469+C0	8.64213+C0	1.01568+01	4.10947+01	2.11266+00	1.50368+00
.6	1.367-03	1.46081+C0	7.97221+C0	9.43302+C0	3.97359+01	2.29693+00	1.45316+00
.8	1.220-03	1.41348+C0	7.37639+C0	8.74987+C0	3.84825+01	2.48263+00	1.40183+00
1.0	1.089-03	1.37345+C0	6.85547+C0	8.22891+C0	3.73202+01	2.67015+00	1.35564+00
1.2	9.759-04	1.34140+C0	6.40493+C0	7.74633+C0	3.62449+01	2.85990+00	1.31414+00
1.4	8.629-04	1.31847+C0	6.01772+C0	7.33572+C0	3.52451+01	3.05241+00	1.27662+00
1.6	7.649-04	1.30669+C0	5.68377+C0	6.93046+C0	3.43077+01	3.24851+00	1.24231+00
1.8	6.793-04	1.30964+C0	5.39607+C0	6.70571+C0	3.34182+01	3.44949+00	1.21047+00
2.0	6.114-04	1.33339+C0	5.14682+C0	6.48012+C0	3.25614+01	3.65727+00	1.18042+00
2.2	5.725-04	1.38714+C0	4.93064+C0	6.31782+C0	3.17202+01	3.87447+00	1.15160+00

T= 9400

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.981-11	2.457-14	1.122-12	4.127-16	5.191-28	1.671-25	5.831-25	4.191-10	4.565-12
-6.8	1.108-10	8.980-14	4.133-12	1.568-15	4.826-27	1.474-24	5.188-24	1.003-09	1.075-11
-6.6	3.982-10	3.153-13	1.469-11	5.566-15	3.951-26	1.227-23	4.369-23	2.346-09	2.456-11
-6.4	1.370-09	1.051-12	4.973-11	1.903-14	3.158-25	9.650-23	3.420-22	5.320-09	5.368-11
-6.2	4.462-09	3.260-12	1.586-10	6.053-14	2.325-24	6.612-22	2.443-21	1.160-08	1.126-10
-6.0	1.361-08	9.508-12	4.714-10	2.116-13	1.554-23	4.142-21	1.570-20	2.413-08	2.227-10
-5.8	3.863-08	2.548-11	1.300-09	6.349-13	9.437-23	2.306-20	8.999-20	4.766-08	4.153-10
-5.6	1.019-07	6.318-11	3.345-09	1.737-12	5.174-22	1.142-19	4.595-19	8.920-08	7.310-10
-5.4	2.500-07	1.458-10	7.913-09	4.180-12	2.584-21	5.072-19	2.104-18	1.586-07	1.220-09
-5.2	5.741-07	3.157-10	1.764-08	1.023-11	1.186-20	2.063-18	8.728-18	2.675-07	1.963-09
-5.0	1.242-06	6.470-10	3.715-08	2.284-11	5.059-20	7.561-18	3.319-17	4.318-07	2.971-09
-4.8	2.570-06	1.266-09	7.447-08	4.9[illegible]-11	2.025-19	2.607-17	1.172-16	6.695-07	4.391-09
-4.6	5.005-06	2.383-09	1.431-07	1.569-10	7.671-19	8.669-17	3.869-16	1.002-06	6.307-09
-4.4	9.454-06	4.348-09	2.657-07	3.359-10	2.776-18	2.621-16	1.225-15	1.456-06	8.849-09
-4.2	1.729-05	7.710-09	4.788-07	7.061-10	9.626-18	7.791-16	3.695-15	2.063-06	1.216-08
-4.0	3.060-05	1.361-08	8.423-07	1.445-09	3.221-17	2.242-15	1.076-14	2.859-06	1.645-08
-3.8	5.364-05	2.390-08	1.453-06	2.681-09	1.044-16	6.280-15	3.049-14	3.893-06	2.176-08
-3.6	9.174-05	3.854-08	2.464-06	5.608-09	3.283-16	1.722-14	8.617-14	5.224-06	2.939-08
-3.4	1.546-04	6.410-08	4.179-06	1.067-08	1.006-15	4.639-14	2.283-13	6.924-06	3.743-08
-3.2	2.573-04	1.056-07	6.831-06	1.989-08	3.006-15	1.232-13	6.095-13	9.085-06	4.927-08
-3.0	4.239-04	1.727-07	1.121-05	3.631-08	8.784-15	3.237-13	1.607-12	1.182-05	6.342-08
-2.8	6.927-04	2.805-07	1.827-05	6.508-08	2.516-14	8.473-13	4.19[illegible]-12	1.528-05	8.178-08
-2.6	1.124-03	4.536-07	2.959-05	1.167-07	7.062-14	2.175-12	1.08[illegible]-11	1.964-05	1.047-07
-2.4	1.812-03	7.307-07	4.769-05	1.986-07	1.950-13	5.582-12	2.785-11	2.511-05	1.338-07
-2.2	2.906-03	1.174-06	7.653-05	3.401-07	5.304-13	1.425-11	7.10[illegible]-11	3.195-05	1.705-07
-2.0	4.631-03	1.881-06	1.223-04	5.763-07	1.424-12	3.619-11	1.79[illegible]-10	4.044-05	2.170-07
-1.8	7.331-03	3.011-06	1.947-04	9.536-07	3.777-12	9.147-11	4.52[illegible]-10	5.088-05	2.761-07
-1.6	1.151-02	4.816-06	3.085-04	1.508-06	9.920-12	2.300-10	1.126-09	6.352-05	3.512-07
-1.4	1.787-02	7.705-06	4.863-04	2.407-06	2.582-11	5.749-10	2.774-09	7.848-05	4.470-07
-1.2	2.734-02	1.234-05	7.613-04	4.244-06	6.663-11	1.426-09	6.723-09	9.556-05	5.698-07
-1.0	4.102-02	1.980-05	1.181-03	6.664-06	1.705-10	3.503-09	1.597-08	1.141-04	7.277-07
-.8	6.002-02	3.185-05	1.812-03	1.100-05	4.319-10	8.501-09	3.693-08	1.327-04	9.306-07
-.6	8.518-02	5.140-05	2.742-03	1.741-05	1.079-09	2.032-08	8.276-08	1.493-04	1.191-06
-.4	1.169-01	8.308-05	4.082-03	2.706-05	2.646-09	4.771-08	1.788-07	1.617-04	1.520-06
-.2	1.563-01	1.344-04	5.967-03	4.099-05	6.306-09	1.093-07	3.717-07	1.677-04	1.929-06
.0	1.965-01	2.169 04	8.556-03	5.993-05	1.447-08	2.476-07	7.428-07	1.663-04	2.425-06
.2	2.41[illegible]-01	3.487-04	1.205-02	8.336-05	3.166-08	5.462-07	1.429-06	1.580-04	3.011-06
.4	2.879-01	5.565-04	1.[illegible]6-02	1.112-04	6.559-08	1.179-06	2.652-06	1.443-04	3.687-06
.6	3.331-01	8.795-04	2.242-02	1.400-04	1.283-07	2.491-06	4.762-06	1.276-04	4.454-06
.8	3.760-01	1.373-03	2.975-02	1.676-04	2.377-07	5.157-06	8.293-06	1.103-04	5.320-06
1.0	4.154-01	2.111-03	3.877-02	1.[illegible]3-04	4.200-07	1.048-05	1.404-05	9.393-05	6.306-06
1.2	4.508-01	3.190-03	4.962-02	2.133-04	7.132-07	2.095-05	2.317-05	7.979-05	7.459-06
1.4	4.818-01	4.729-03	6.241-02	2.301-04	1.174-06	4.139-05	3.732-05	6.844-05	8.846-06
1.6	5.088-01	6.865-03	7.716-02	2.447-04	1.886-06	8.141-05	5.873-05	6.013-05	1.069-05
1.8	5.320-01	9.743-03	9.380-02	2.561-04	2.980-06	1.613-04	9.039-05	5.513-05	1.327-05
2.0	5.520-01	1.350-02	1.121-01	2.653-04	4.660-06	3.279-04	1.361-04	5.413-05	1.732-05
2.2	5.695-01	1.824-02	1.317-01	2.73[illegible]-04	7.263-06	7.045-04	2.004-04	5.941-05	2.472-05

T= 9400

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.315-25	1.795-09	2.083-14	3.263-11	3.860-01	2.801-08	1.021-01	2.650-11	2.258-03
-6.8	7.464-25	4.262-09	5.031-14	7.737-11	3.826-01	1.789-08	1.003-01	1.679-11	2.212-03
-6.6	4.030-24	9.851-09	1.194-13	1.783-10	3.776-01	1.149-08	9.785-02	1.065-11	2.148-03
-6.4	2.038-23	2.198-08	2.767-13	3.964-10	3.704-01	7.427-09	9.444-02	6.776-12	2.061-03
-6.2	9.509-23	4.692-08	6.207-13	8.426-10	3.603-01	4.839-09	8.996-02	4.324-12	1.949-03
-6.0	4.043-22	9.916-08	1.346-12	1.700-09	3.469-01	3.179-09	8.443-02	2.769-12	1.813-03
-5.8	1.957-21	1.826-07	2.812-12	3.244-09	3.297-01	2.104-09	7.798-02	1.780-12	1.658-03
-5.6	9.444-21	3.315-07	5.649-12	5.854-09	3.090-01	1.400-09	7.086-02	1.149-12	1.492-03
-5.4	1.738-20	5.706-07	1.094-11	1.002-08	2.851-01	9.349-10	6.340-02	7.440-13	1.322-03
-5.2	5.120-20	9.358-07	2.045-11	1.634-08	2.589-01	6.248-10	5.590-02	4.828-13	1.155-03
-5.0	1.407-19	1.470-06	3.701-11	2.555-08	2.314-01	4.170-10	4.863-02	3.136-13	9.973-04
-4.8	3.649-19	2.226-06	6.506-11	3.852-08	2.036-01	2.774-10	4.178-02	2.037-13	8.513-04
-4.6	9.016-19	3.264-06	1.113-10	5.629-08	1.767-01	1.838-10	3.550-02	1.321-13	7.192-04
-4.4	2.139-18	4.659-06	1.856-10	8.012-08	1.513-01	1.211-10	2.986-02	8.558-14	6.022-04
-4.2	4.912-18	6.502-06	3.023-10	1.116-07	1.280-01	7.944-11	2.490-02	5.531-14	5.001-04
-4.0	1.098-17	8.904-06	4.814-10	1.525-07	1.072-01	5.184-11	2.059-02	3.565-14	4.124-04
-3.8	2.401-17	1.2[illegible]-05	7.505-10	2.053-07	8.892-02	3.368-11	1.692-02	2.293-14	3.380-04
-3.6	5.159-17	1.597-05	1.146-09	2.729-07	7.323-02	2.179-11	1.382-02	1.472-14	2.755-04
-3.4	1.093-16	2.104-05	1.716-09	3.591-07	5.991-02	1.405-11	1.123-02	9.428-15	2.236-04
-3.2	2.288-16	2.746-05	2.521-09	4.686-07	4.876-02	9.032-12	9.096-03	6.030-15	1.808-04
-3.0	4.746-16	3.561-05	3.636-09	6.075-07	3.950-02	5.792-12	7.341-03	3.852-15	1.458-04
-2.8	9.772-16	4.590-05	5.154-09	7.833-07	3.188-02	3.707-12	5.908-03	2.459-15	1.173-04
-2.6	2.000-15	5.888-05	7.192-09	1.006-06	2.565-02	2.369-12	4.746-03	1.568-15	9.414-05
-2.4	4.077-15	7.524-05	9.850-09	1.287-06	2.059-02	1.512-12	3.807-03	1.001-15	7.548-05
-2.2	8.279-15	9.581-05	1.342-08	1.643-06	1.648-02	9.640-13	3.050-03	6.384-16	6.048-05
-2.0	1.677-14	1.216-04	1.800-08	2.095-06	1.317-02	6.138-13	2.443-03	4.077-16	4.844-05
-1.8	3.393-14	1.538-04	2.391-08	2.669-06	1.049-02	3.903-13	1.957-03	2.607-16	3.881-05
-1.6	6.858-14	1.939-04	3.146-08	3.400-06	8.330-03	2.477-13	1.569-03	1.670-16	3.113-05
-1.4	1.387-13	2.431-04	4.109-08	4.335-06	6.588-03	1.567-13	1.260-03	1.072-16	2.501-05
-1.2	2.809-13	3.029-04	5.327-08	5.542-06	5.180-03	9.868-14	1.013-03	6.908-17	2.015-05
-1.0	5.705-13	3.740-04	6.853-08	7.111-06	4.041-03	6.167-14	8.176-04	4.465-17	1.629-05
-.8	1.164-12	4.561-04	8.728-08	9.178-06	3.117-03	3.811-14	6.613-04	2.893-17	1.322-05
-.6	2.391-12	5.473-04	1.098-07	1.194-05	2.388-03	2.317-14	5.358-04	1.875-17	1.076-05
-.4	4.951-12	6.433-04	1.345-07	1.567-05	1.766-03	1.378-14	4.338-04	1.211-17	8.761-06
-.2	1.035-11	7.379-04	1.600-07	2.081-05	1.288-03	7.978-15	3.500-04	7.757-18	7.126-06
.0	2.182-11	8.238-04	1.821-07	2.796-05	9.160-04	4.480-15	2.803-04	4.904-18	5.767-06
.2	4.640-11	8.943-04	1.967-07	3.797-05	6.354-04	2.439-15	2.222-04	3.052-18	4.636-06
.4	9.924-11	9.452-04	2.003-07	5.202-05	4.307-04	1.292-15	1.745-04	1.872-18	3.702-06
.6	2.126-10	9.760-04	1.928-07	7.164-05	2.864-04	6.717-16	1.356-04	1.137-18	2.941-06
.8	4.543-10	9.898-04	1.769-07	9.883-05	1.880-04	3.663-16	1.047-04	6.890-19	2.333-06
1.0	9.665-10	9.923-04	1.567-07	1.360-04	1.226-04	1.795-16	8.063-05	4.213-19	1.860-06
1.2	2.028-09	9.909-04	1.362-07	1.867-04	8.024-05	9.513-17	6.232-05	2.634-19	1.501-06
1.4	4.219-09	9.946-04	1.184-07	2.534-04	5.316-05	5.254-17	4.868-05	1.712-19	1.237-06
1.6	8.717-09	1.015-03	1.049-07	3.432-04	3.608-05	3.097-17	3.680-05	1.182-19	1.054-06
1.8	1.808-08	1.068-03	9.668-08	4.663-04	2.544-05	2.011-17	3.194-05	8.925-20	9.417-07
2.0	3.946-08	1.185-03	9.537-08	6.463-04	1.903-05	1.514-17	2.768-05	7.739-20	9.037-07
2.2	8.783-08	1.439-03	1.052-07	9.470-04	1.564-05	1.458-17	2.611-05	8.496-20	9.687-07

T= 9400

LOG C	A++	C+	C++	NE+	N	C	A	C	NE
-7.0	4.743-09	8.428-05	1.024-09	1.029-07	1.371-02	5.339-03	1.329-04	1.807-07	7.576-06
-6.8	2.995-09	8.503-05	6.651-10	6.704-08	2.116-02	8.144-03	2.022-04	2.831-07	7.699-06
-6.6	1.892-09	8.612-05	4.387-10	4.438-08	3.202-02	1.221-02	3.018-04	4.404-07	7.825-06
-6.4	1.196-09	8.766-05	2.963-10	2.990-08	4.766-02	1.788-02	4.395-04	6.809-07	8.001-06
-6.2	7.577-10	8.973-05	2.018-10	2.060-08	6.925-02	2.545-02	6.206-04	1.041-06	8.232-06
-6.0	4.810-10	9.238-05	1.418-10	1.455-08	9.772-02	3.502-02	8.463-04	1.571-06	8.526-06
-5.8	3.063-10	9.555-05	1.021-10	1.056-08	1.335-01	4.648-02	1.112-03	2.335-06	8.888-06
-5.6	1.957-10	9.912-05	7.521-11	7.852-09	1.762-01	5.950-02	1.410-03	3.412-06	9.313-06
-5.4	1.255-10	1.029-04	5.644-11	5.969-09	2.269-01	7.300-02	1.728-03	4.895-06	9.790-06
-5.2	8.074-11	1.065-04	4.303-11	4.620-09	2.776-01	8.824-02	2.053-03	6.841-06	1.030-05
-5.0	5.204-11	1.096-04	3.309-11	3.624-09	3.325-01	1.029-01	2.375-03	9.519-06	1.083-05
-4.8	3.357-11	1.120-04	2.556-11	2.869-09	3.875-01	1.170-01	2.684-03	1.237-05	1.135-05
-4.6	2.166-11	1.134-04	1.975-11	2.286-09	4.406-01	1.304-01	2.973-03	1.707-05	1.186-05
-4.4	1.396-11	1.134-04	1.521-11	1.828-09	4.905-01	1.426-01	3.236-03	2.220-05	1.233-05
-4.2	8.989-12	1.120-04	1.164-11	1.464-09	5.360-01	1.535-01	3.471-03	2.831-05	1.275-05
-4.0	5.777-12	1.091-04	8.836-12	1.174-09	5.766-01	1.631-01	3.677-03	3.542-05	1.313-05
-3.8	3.706-12	1.047-04	6.637-12	9.409-10	6.120-01	1.714-01	3.855-03	4.364-05	1.347-05
-3.6	2.374-12	9.890-05	4.928-12	7.537-10	6.424-01	1.785-01	4.006-03	5.237-05	1.376-05
-3.4	1.518-12	9.159-05	3.612-12	6.033-10	6.682-01	1.845-01	4.133-03	6.193-05	1.399-05
-3.2	9.698-13	8.423-05	2.612-12	4.826-10	6.897-01	1.894-01	4.239-03	7.191-05	1.420-05
-3.0	6.189-13	7.592-05	1.884-12	3.857-10	7.074-01	1.935-01	4.327-03	8.206-05	1.437-05
-2.8	3.948-13	6.740-05	1.312-12	3.081-10	7.218-01	1.969-01	4.399-03	9.210-05	1.451-05
-2.6	2.517-13	5.859-05	9.121-13	2.460-10	7.333-01	1.997-01	4.459-03	1.018-04	1.462-05
-2.4	1.605-13	5.094-05	6.264-13	1.964-10	7.422-01	2.020-01	4.509-03	1.108-04	1.473-05
-2.2	1.024-13	4.346-05	4.256-13	1.569-10	7.488-01	2.040-01	4.553-03	1.192-04	1.482-05
-2.0	6.539-14	3.669-05	2.884-13	1.253-10	7.531-01	2.057-01	4.591-03	1.267-04	1.490-05
-1.8	4.182-14	3.068-05	1.912-13	1.002-10	7.549-01	2.074-01	4.629-03	1.333-04	1.499-05
-1.6	2.680-14	2.544-05	1.267-13	8.020-11	7.538-01	2.091-01	4.669-03	1.390-04	1.510-05
-1.4	1.723-14	2.096-05	8.348-14	6.436-11	7.494-01	2.109-01	4.715-03	1.439-04	1.523-05
-1.2	1.112-14	1.715-05	5.469-14	5.179-11	7.404-01	2.132-01	4.774-03	1.479-04	1.540-05
-1.0	7.200-15	1.393-05	3.561-14	4.183-11	7.258-01	2.162-01	4.850-03	1.511-04	1.563-05
-.8	4.680-15	1.122-05	2.298-14	3.391-11	7.043-01	2.200-01	4.950-03	1.531-04	1.594-05
-.6	3.047-15	8.921-06	1.461-14	2.757-11	6.748-01	2.247-01	5.080-03	1.534-04	1.635-05
-.4	1.980-15	6.948-06	9.079-15	2.244-11	6.372-01	2.304-01	5.240-03	1.513-04	1.686-05
-.2	1.279-15	5.250-06	5.447-15	1.823-11	5.920-01	2.368-01	5.429-03	1.457-04	1.746-05
.0	8.171-16	3.807-06	3.119-15	1.473-11	5.408-01	2.436-01	5.643-03	1.357-04	1.814-05
.2	5.157-16	2.625-06	1.688-15	1.182-11	4.858-01	2.502-01	5.875-03	1.211-04	1.889-05
.4	3.221-16	1.713-06	8.615-16	9.415-12	4.293-01	2.559-01	6.116-03	1.031-04	1.966-05
.6	2.002-16	1.080-06	4.169-16	7.450-12	3.736-01	2.603-01	6.359-03	8.345-05	2.044-05
.8	1.249-16	6.276-07	1.940-16	5.876-12	3.205-01	2.627-01	6.599-03	6.459-05	2.120-05
1.0	7.926-17	3.604-07	8.863-17	4.641-12	2.715-01	2.625-01	6.831-03	4.814-05	2.195-05
1.2	5.195-17	2.041-07	4.074-17	3.690-12	2.272-01	2.594-01	7.054-03	3.488-05	2.266-05
1.4	3.586-17	1.160-07	1.937-17	2.972-12	1.880-01	2.530-01	7.268-03	2.477-05	2.335-05
1.6	2.672-17	6.737-08	9.816-18	2.442-12	1.539-01	2.431-01	7.475-03	1.735 05	2.401-05
1.8	2.223-17	4.069-08	5.506-18	2.062-12	1.245-01	2.294-01	7.677-03	1.203-05	2.466-05
2.0	2.184-17	2.614-08	3.609-18	1.810-12	9.927-02	2.119-01	7.878-03	8.252-06	2.531-05
2.2	2.820-17	1.851-08	3.063-18	1.686-12	7.769-02	1.904-01	8.079-03	5.584-06	2.595-05

T= 9400

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.904-01	3.90641+00	5.08406+01	5.47470+01	1.24866+02	-4.87124+00	3.90696+00
-6.8	4.853-01	3.86733+00	5.01013+01	5.39686+01	1.22336+02	-4.67561+00	3.86799+00
-6.6	4.777-01	3.81134+00	4.90415+01	5.28528+01	1.19507+02	-4.49194+00	3.81214+00
-6.4	4.670-01	3.73466+00	4.75853+01	5.13197+01	1.16313+02	-4.29079+00	3.73540+00
-6.2	4.523-01	3.63429+00	4.56869+01	4.93211+01	1.12717+02	-4.10260+00	3.63538+00
-6.0	4.332-01	3.51144+00	4.33569+01	4.68683+01	1.08741+02	-3.91753+00	3.51266+00
-5.8	4.095-01	3.37007+00	4.06740+01	4.40446+01	1.04473+02	-3.73536+00	3.37139+00
-5.6	3.814-01	3.21724+00	3.77717+01	4.09885+01	1.00053+02	-3.55554+00	3.21864+00
-5.4	3.499-01	3.06118+00	3.48064+01	3.78676+01	9.56424+01	-3.37713+00	3.06262+00
-5.2	3.160-01	2.90952+00	3.19229+01	3.48324+01	9.13845+01	-3.19920+00	2.91096+00
-5.0	2.811-01	2.76808+00	2.92324+01	3.20005+01	8.73869+01	-3.02084+00	2.76949+00
-4.8	2.464-01	2.64052+00	2.68046+01	2.94451+01	8.37144+01	-2.84133+00	2.64189+00
-4.6	2.130-01	2.52851+00	2.46718+01	2.72003+01	8.03921+01	-2.66015+00	2.52979+00
-4.4	1.818-01	2.43221+00	2.28374+01	2.52697+01	7.74167+01	-2.47702+00	2.43341+00
-4.2	1.535-01	2.35078+00	2.12859+01	2.36967+01	7.47639+01	-2.29181+00	2.35190+00
-4.0	1.283-01	2.28281+00	1.99905+01	2.22733+01	7.24021+01	-2.10455+00	2.28384+00
-3.8	1.063-01	2.22665+00	1.89200+01	2.11467+01	7.02938+01	-1.91537+00	2.22760+00
-3.6	8.744-02	2.18066+00	1.80423+01	2.02229+01	6.86016+01	-1.72444+00	2.18146+00
-3.4	7.149-02	2.14305+00	1.73266+01	1.94697+01	6.66907+01	-1.53199+00	2.14382+00
-3.2	5.815-02	2.11251+00	1.67454+01	1.88586+01	6.51259+01	-1.33822+00	2.11321+00
-3.0	4.711-02	2.08770+00	1.62742+01	1.83619+01	6.36917+01	-1.14335+00	2.08833+00
-2.8	3.804-02	2.06746+00	1.58915+01	1.7959C+01	6.23525+01	-9.47580-01	2.06802+00
-2.6	3.063-02	2.05076+00	1.55788+01	1.76296+01	6.10916+01	-7.51100-01	2.05126+00
-2.4	2.462-02	2.03667+00	1.53195+01	1.73961+01	5.98912+01	-5.54100-01	2.03712+00
-2.2	1.976-02	2.02428+00	1.50982+01	1.71225+01	5.87349+01	-3.56750-01	2.02467+00
-2.0	1.585-02	2.01263+00	1.48998+01	1.69125+01	5.76070+01	-1.59250-01	2.01297+00
-1.8	1.272-02	2.00064+00	1.47084+01	1.6709C+01	5.64915+01	3.81560-02	2.00093+00
-1.6	1.021-02	1.98701+00	1.45056+01	1.64926+01	5.53704+01	2.35180-01	1.98724+00
-1.4	8.211-03	1.97016+00	1.42703+01	1.62405+01	5.42238+01	4.31480-01	1.97031+00
-1.2	6.625-03	1.94824+00	1.39785+01	1.59267+01	5.30295+01	6.26620-01	1.94830+00
-1.0	5.370-03	1.91934+00	1.36055+01	1.55248+01	5.17657+01	8.20130-01	1.91928+00
-.8	4.383-03	1.88190+00	1.31316+01	1.50135+01	5.04167+01	1.01158+00	1.88167+00
-.6	3.610-03	1.83534+00	1.25488+01	1.43842+01	4.89771+01	1.20070+00	1.83486+00
-.4	3.007-03	1.78045+00	1.18669+01	1.36474+01	4.74624+01	1.38751+00	1.77961+00
-.2	2.537-03	1.71946+00	1.11129+01	1.28324+01	4.59023+01	1.57237+00	1.71809+00
.0	2.171-03	1.65550+00	1.03249+01	1.19804+01	4.43371+01	1.75591+00	1.65335+00
.2	1.882-03	1.59182+00	9.54207+00	1.11339+01	4.28067+01	1.93888+00	1.58851+00
.4	1.652-03	1.53121+00	8.79727+00	1.03285+01	4.13430+01	2.12202+00	1.52615+00
.6	1.463-03	1.47571+00	8.11264+00	9.58836+00	3.99662+01	2.30598+00	1.46800+00
.8	1.302-03	1.42665+00	7.49973+00	8.92638+00	3.86853+01	2.49130+00	1.41490+00
1.0	1.162-03	1.38431+00	6.96136+00	8.34627+00	3.74998+01	2.67840+00	1.36697+00
1.2	1.036-03	1.35179+00	6.49630+00	7.84536+00	3.64031+01	2.86773+00	1.32385+00
1.4	9.219-04	1.32698+00	6.09177+00	7.41876+00	3.53843+01	3.05985+00	1.28490+00
1.6	8.186-04	1.31402+00	5.74544+00	7.05946+00	3.44303+01	3.25558+00	1.24936+00
1.8	7.287-04	1.31598+00	5.44687+00	6.76284+00	3.35269+01	3.45623+00	1.21645+00
2.0	6.578-04	1.33880+00	5.18861+00	6.52741+00	3.26563+01	3.66370+00	1.18550+00
2.2	6.187-04	1.39194+00	4.96505+00	6.35703+00	3.18075+01	3.88060+00	1.15589+00

T= 9500

LOG P	A2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.766-11	1.617-14	7.123-13	2.559-16	2.522-28	3.57C-26	2.872-25	3.122-10	3.547-12
-6.8	6.710-11	5.990-14	2.657-12	9.685-16	2.303-27	7.712-25	2.601-24	7.531-10	8.436-12
-6.6	2.491-10	2.142-13	9.602-12	3.529-15	2.013-26	6.595-24	2.250-23	1.781-09	1.953-11
-6.4	8.609-10	7.31C-13	3.324-11	1.279-14	1.658-25	5.263-23	1.822-22	4.038-09	4.365-11
-6.2	2.875-09	2.349-12	1.083-10	4.379-14	1.266-24	3.844-22	1.357-21	9.097-09	9.323-11
-6.0	9.C32-09	7.632-12	3.340-10	1.425-13	8.838-24	2.524-21	9.138-21	1.933-08	1.888-10
-5.8	2.649-08	1.944-11	9.516-10	4.384-13	5.568-23	1.481-20	5.505-20	3.909-08	3.608-10
-5.6	7.209-08	4.988-11	2.513-09	1.221-12	3.194-22	7.705-20	2.954-19	7.490-08	6.503-10
-5.4	1.825-07	1.185-10	6.146-09	3.092-12	1.857-21	3.586-19	1.417-18	1.361-07	1.109-09
-5.2	4.312-07	2.633-10	1.412-08	9.036-12	7.866-21	1.509-18	6.123-18	2.368-07	1.799-09
-5.0	9.566-07	5.915-10	3.044-0-	2.233-11	3.454-20	5.747-18	2.416-17	3.864-07	2.795-09
-4.8	2.C58-06	1.299-09	6.226-08	5.262-11	1.417-19	2.039-17	8.769-17	6.095-07	4.185-09
-4.6	4.C17-06	2.101-09	1.217-07	1.201-10	5.484-19	6.786-17	2.992-16	9.262-07	6.070-09
-4.4	7.710-06	3.873-09	2.292-07	2.639-10	2.018-18	2.141-16	9.624-16	1.363-06	8.604-09
-4.2	1.429-05	6.961-09	4.180-07	5.611-10	7.111-18	6.466-16	2.955-15	1.951-06	1.192-08
-4.0	2.576-05	1.225-08	7.427-07	1.167-09	2.411-17	1.855-15	8.732-15	2.729-06	1.623-08
-3.8	4.525-05	2.049-08	1.291-06	2.333-09	7.901-17	5.337-15	2.500-14	3.744-06	2.178-08
-3.6	7.798-05	3.550-08	2.205-06	4.579-09	2.511-16	1.476-14	6.977-14	5.055-06	2.887-08
-3.4	1.322-04	5.932-08	3.711-06	8.779-09	7.760-16	4.005-14	1.907-13	6.735-06	3.791-08
-3.2	2.212-04	9.809-08	6.173-06	1.668-08	2.338-15	1.07C-13	5.124-13	8.875-06	4.938-08
-3.0	3.659-04	1.609-07	1.017-05	3.025-08	6.881-15	2.823-13	1.358-12	1.159-05	6.392-08
-2.8	6.000-04	2.620-07	1.662-05	5.452-08	1.682-14	7.372-13	3.558-12	1.503-05	8.232-08
-2.6	9.763-04	4.245-07	2.698-05	9.653-08	5.538-14	1.91C-12	9.237-12	1.936-05	1.056-07
-2.4	1.578-03	6.848-07	4.357-05	1.682-07	1.554-13	4.913-12	2.370-11	2.480-05	1.350-07
-2.2	2.536-03	1.101-06	7.003-05	2.887-07	4.244-13	1.257-11	6.082-11	3.162-05	1.723-07
-2.0	4.051-03	1.766-06	1.121-04	4.893-07	1.143-12	3.198-11	1.544-10	4.011-05	2.194-07
-1.8	6.428-03	2.828-06	1.787-04	8.199-07	3.043-12	8.097-11	3.893-10	5.058-05	2.792-07
-1.6	1.012-02	4.525-06	2.836-04	1.361-06	8.015-12	2.040-10	9.727-10	6.333-05	3.553-07
-1.4	1.577-02	7.240-06	4.479-04	2.238-06	2.091-11	5.109-10	2.404-09	7.854-05	4.523-07
-1.2	2.425-02	1.159-05	7.027-04	3.654-06	5.41C-11	1.270-09	5.858-09	9.613-05	5.765-07
-1.0	3.662-02	1.859-05	1.093-03	5.921-06	1.388-10	3.130-09	1.400-08	1.155-04	7.360-07
-.8	5.399-02	2.988-05	1.683-03	9.513-06	3.527-10	7.623-09	3.269-08	1.356-04	9.414-07
-.6	7.733-02	4.815-05	2.557-03	1.512-05	8.856-10	1.830-08	7.346-08	1.542-04	1.205-06
-.4	1.071-01	7.777-05	3.825-03	2.365-05	2.184-09	4.319-08	1.613-07	1.691-04	1.541-06
-.2	1.430-01	1.257-04	5.619-03	3.615-05	5.254-09	9.995-08	3.389-07	1.778-04	1.961-06
.0	1.841-01	2.029-04	8.099-03	5.349-05	1.221-08	2.266-07	6.845-07	1.789-04	2.475-06
.2	2.286-01	3.264-04	1.145-02	7.587-05	2.712-08	5.026-07	1.330-06	1.723-04	3.088-06
.4	2.747-01	5.215-04	1.586-02	1.074-04	5.712-08	1.091-06	2.492-06	1.595-04	3.801-06
.6	3.203-01	8.255-04	2.154-02	1.510-04	1.137-07	2.316-06	4.511-06	1.427-04	4.617-06
.8	3.640-01	1.291-03	2.871-02	1.593-04	2.139-07	4.819-06	7.914-06	1.245-04	5.542-06
1.0	4.045-01	1.990-03	3.756-02	1.851-04	3.830-07	9.838-06	1.349-05	1.069-04	6.601-06
1.2	4.411-01	3.015-03	4.825-02	2.074-04	6.575-07	1.976-05	2.238-05	9.144-05	7.842-06
1.4	4.734-01	4.483-03	6.090-02	2.259-04	1.091-06	3.923-05	3.623-05	7.883-05	9.359-06
1.6	5.016-01	6.529-03	7.554-02	2.411-04	1.766-06	7.750-05	5.728-05	6.955-05	1.133-05
1.8	5.259-01	9.297-03	9.212-02	2.533-04	2.805-06	1.542-04	8.651-05	6.398-05	1.412-05
2.0	5.469-01	1.293-02	1.104-01	2.632-04	4.406-06	3.150-04	1.338-04	6.303-05	1.853-05
2.2	5.653-01	1.755-02	1.301-01	2.710-04	6.896-06	6.796-04	1.977-04	6.949-05	2.662-05

T= 9500

LOG P	C2-	NC+	CC+	O-	N+	N++	C+	O++	A+
-7.0	9.262-26	1.295-09	1.563-14	2.666-11	3.871-01	4.159-08	1.026-01	4.242-11	2.275-03
-6.8	5.344-25	3.102-09	3.600-14	6.376-11	3.843-01	2.652-08	1.011-01	2.686-11	2.237-03
-6.6	2.952-24	7.259-09	9.089-14	1.469-10	3.801-01	1.699-08	9.897-02	1.702-11	2.184-03
-6.4	1.538-23	1.646-08	2.127-13	3.366-10	3.739-01	1.095-08	9.594-02	1.081-11	2.109-03
-6.2	7.440-23	3.585-08	4.843-13	7.300-10	3.652-01	7.110-09	9.193-02	6.888-12	2.009-03
-6.0	3.294-22	7.436-08	1.066-12	1.507-09	3.535-01	4.655-09	8.681-02	4.402-12	1.886-03
-5.8	1.323-21	1.462-07	2.262-12	2.945-09	3.378-01	3.072-09	8.070-02	2.824-12	1.740-03
-5.6	4.818-21	2.717-07	4.618-12	5.442-09	3.186-01	2.040-09	7.381-02	1.819-12	1.580-03
-5.4	1.596-20	4.781-07	9.076-12	9.520-09	2.960-01	1.361-09	6.644-02	1.176-12	1.411-03
-5.2	4.859-20	7.999-07	1.720-11	1.584-08	2.707-01	9.098-10	5.892-02	7.620-13	1.243-03
-5.0	1.373-19	1.279-06	3.153-11	2.511-08	2.437-01	6.078-10	5.152-02	4.946-13	1.080-03
-4.8	3.645-19	1.966-06	5.605-11	3.855-08	2.159-01	4.051-10	4.448-02	3.212-13	9.273-04
-4.6	9.179-19	2.921-06	9.685-11	5.705-08	1.885-01	2.689-10	3.796-02	2.085-13	7.877-04
-4.4	2.213-18	4.215-06	1.630-10	8.207-08	1.623-01	1.777-10	3.206-02	1.351-13	6.626-04
-4.2	5.149-18	5.936-06	2.678-10	1.153-07	1.380-01	1.168-10	2.682-02	8.738-14	5.526-04
-4.0	1.163-17	8.192-06	4.298-10	1.588-07	1.161-01	7.642-11	2.226-02	5.639-14	4.573-04
-3.8	2.569-17	1.111-05	6.749-10	2.150-07	9.669-02	4.975-11	1.833-02	3.630-14	3.759-04
-3.6	5.554-17	1.487-05	1.038-09	2.874-07	7.989-02	3.225-11	1.501-02	2.332-14	3.073-04
-3.4	1.183-16	1.967-05	1.563-09	3.797-07	6.554-02	2.083-11	1.223-02	1.495-14	2.499-04
-3.2	2.489-16	2.577-05	2.310-09	4.972-07	5.346-02	1.341-11	9.916-03	9.573-15	2.025-04
-3.0	5.181-16	3.350-05	3.350-09	6.463-07	4.340-02	8.613-12	8.013-03	6.120-15	1.635-04
-2.8	1.070-15	4.329-05	4.773-09	8.352-07	3.509-02	5.520-12	6.457-03	3.909-15	1.317-04
-2.6	2.196-15	5.565-05	6.691-09	1.074-06	2.827-02	3.531-12	5.191-03	2.495-15	1.058-04
-2.4	4.484-15	7.123-05	9.239-09	1.377-06	2.272-02	2.256-12	4.167-03	1.593-15	8.491-05
-2.2	9.119-15	9.084-05	1.259-08	1.760-06	1.821-02	1.440-12	3.341-03	1.017-15	6.806-05
-2.0	1.849-14	1.155-04	1.694-08	2.245-06	1.456-02	9.178-13	2.677-03	6.495-16	5.454-05
-1.8	3.744-14	1.463-04	2.256-08	2.862-06	1.161-02	5.843-13	2.145-03	4.154-16	4.371-05
-1.6	7.571-14	1.846-04	2.976-08	3.646-06	9.233-03	3.714-13	1.719-03	2.661-16	3.506-05
-1.4	1.531-13	2.320-04	3.996-08	4.649-06	7.315-03	2.354-13	1.380-03	1.709-16	2.816-05
-1.2	3.100-13	2.897-04	5.064-08	5.939-06	5.765-03	1.486-13	1.110-03	1.101-16	2.268-05
-1.0	6.290-13	3.589-04	6.532-08	7.612-06	4.511-03	9.325-14	8.951-04	7.121-17	1.833-05
-.8	1.282-12	4.397-04	8.352-08	9.806-06	3.494-03	5.793-14	7.239-04	4.619-17	1.487-05
-.6	2.626-12	5.305-04	1.054-07	1.272-05	2.669-03	3.548-14	5.867-04	3.000-17	1.210-05
-.4	5.421-12	6.280-04	1.306-07	1.665-05	2.004-03	2.130-14	4.756-04	1.945-17	9.866-06
-.2	1.129-11	7.264-04	1.572-07	2.203-05	1.473-03	1.247-14	3.846-04	1.253-17	8.040-06
.0	2.372-11	8.184-04	1.818-07	2.947-05	1.057-03	7.096-15	3.092-04	7.985-18	6.529-06
.2	5.027-11	8.968-04	2.001-07	3.986-05	7.400-04	3.917-15	2.463-04	5.015-18	5.271-06
.4	1.072-10	9.567-04	2.082-07	5.443-05	5.060-04	2.103-15	1.943-04	3.106-18	4.227-06
.6	2.292-10	9.963-04	2.045-07	7.478-05	3.391-04	1.107-15	1.517-04	1.903-18	3.373-06
.8	4.894-10	1.018-03	1.910-07	1.030-04	2.241-04	5.764-16	1.177-04	1.169-18	2.687-06
1.0	1.039-09	1.027-03	1.717-07	1.417-04	1.471-04	3.014-16	9.099-05	7.158-19	2.150-06
1.2	2.189-09	1.031-03	1.511-07	1.943-04	9.665-05	1.608-16	7.056-05	4.501-19	1.739-06
1.4	4.568-09	1.040-03	1.325-07	2.648-04	6.425-05	8.934-17	5.527-05	2.941-19	1.436-06
1.6	9.476-09	1.069-03	1.181-07	3.596-04	4.372-05	5.293-17	4.416-05	2.040-19	1.225-06
1.8	1.975-08	1.125-03	1.094-07	4.903-04	3.089-05	3.456-17	3.645-05	1.550-19	1.096-06
2.0	4.228-08	1.252-03	1.084-07	6.827-04	2.315-05	2.620-17	3.167-05	1.355-19	1.054-06
2.2	9.727-08	1.528-03	1.202-07	1.006-03	1.908-05	2.558-17	3.000-05	1.509-19	1.133-06

T= 950C

LOG C	A**	B*	C**	NE*	N	O	A	C	NE
-7.0	6.917-09	8.403-05	1.415-09	1.300-07	1.131-02	4.452-03	1.081-04	1.565-07	7.518-06
-6.8	4.369-09	8.466-05	9.150-10	8.860-08	1.750-02	6.834-03	1.656-04	2.425-07	7.630-06
-6.6	2.762-09	8.559-05	5.992-10	5.832-08	2.672-02	1.023-02	2.494-04	3.786-07	7.757-06
-6.4	1.747-09	8.691-05	3.987-10	3.898-08	4.014-02	1.529-02	3.680-04	5.869-07	7.915-06
-6.2	1.107-09	8.873-05	2.707-10	2.659-08	5.897-02	2.204-02	5.275-04	9.015-07	8.122-06
-6.0	7.032-10	9.111-05	1.891-10	1.858-08	8.433-02	3.077-02	7.317-04	1.368-06	8.388-06
-5.8	4.479-10	9.403-05	1.340-10	1.332-08	1.169-01	4.144-02	9.790-04	2.047-06	8.721-06
-5.6	2.863-10	9.741-05	9.774-11	9.805-09	1.567-01	5.388-02	1.263-03	3.013-06	9.120-06
-5.4	1.837-10	1.011-04	7.200-11	7.388-09	2.028-01	6.759-02	1.572-03	4.357-06	9.576-06
-5.2	1.182-10	1.047-04	5.512-11	5.676-09	2.540-01	8.207-02	1.896-03	6.181-06	1.007-05
-5.0	7.624-11	1.080-04	4.222-11	4.423-09	3.082-01	9.676-02	2.221-03	8.597-06	1.060-05
-4.8	4.924-11	1.107-04	3.254-11	3.494-09	3.634-01	1.112-01	2.538-03	1.172-05	1.113-05
-4.6	3.191-11	1.124-04	2.512-11	2.777-09	4.176-01	1.249-01	2.837-03	1.567-05	1.164-05
-4.4	2.053-11	1.129-04	1.936-11	2.218-09	4.690-01	1.378-01	3.113-03	2.053-05	1.213-05
-4.2	1.324-11	1.120-04	1.495-11	1.776-09	5.165-01	1.498-01	3.362-03	2.636-05	1.257-05
-4.0	8.521-12	1.095-04	1.130-11	1.429-09	5.593-01	1.592-01	3.582-03	3.320-05	1.297-05
-3.8	5.474-12	1.056-04	8.511-12	1.141-09	5.970-01	1.681-01	3.774-03	4.102-05	1.333-05
-3.6	3.511-12	1.003-04	6.341-12	9.143-10	6.296-01	1.756-01	3.937-03	4.971-05	1.363-05
-3.4	2.248-12	9.369-05	4.665-12	7.323-10	6.574-01	1.821-01	4.075-03	5.912-05	1.389-05
-3.2	1.438-12	8.618-05	3.397-12	5.859-10	6.807-01	1.874-01	4.191-03	6.903-05	1.411-05
-3.0	9.184-13	7.803-05	2.426-12	4.685-10	7.000-01	1.919-01	4.287-03	7.918-05	1.430-05
-2.8	5.862-13	6.958-05	1.715-12	3.744-10	7.158-01	1.956-01	4.367-03	8.930-05	1.445-05
-2.6	3.740-13	6.113-05	1.196-12	2.990-10	7.284-01	1.986-01	4.432-03	9.910-05	1.458-05
-2.4	2.387-13	5.259-05	8.245-13	2.388-10	7.384-01	2.011-01	4.487-03	1.084-04	1.469-05
-2.2	1.523-13	4.536-05	5.620-13	1.907-10	7.459-01	2.032-01	4.534-03	1.169-04	1.478-05
-2.0	9.731-14	3.860-05	3.793-13	1.523-10	7.511-01	2.051-01	4.575-03	1.247-04	1.487-05
-1.8	6.225-14	3.220-05	2.538-13	1.218-10	7.538-01	2.067-01	4.614-03	1.315-04	1.496-05
-1.6	3.991-14	2.677-05	1.687-13	9.749-11	7.538-01	2.084-01	4.653-03	1.375-04	1.506-05
-1.4	2.566-14	2.209-05	1.114-13	7.820-11	7.506-01	2.102-01	4.698-03	1.426-04	1.518-05
-1.2	1.655-14	1.812-05	7.318-14	6.290-11	7.431-01	2.124-01	4.753-03	1.469-04	1.534-05
-1.0	1.072-14	1.476-05	4.781-14	5.077-11	7.303-01	2.152-01	4.824-03	1.504-04	1.555-05
-.8	6.977-15	1.193-05	3.100-14	4.114-11	7.109-01	2.187-01	4.918-03	1.528-04	1.584-05
-.6	4.551-15	9.537-06	1.986-14	3.345-11	6.838-01	2.231-01	5.039-03	1.537-04	1.622-05
-.4	2.969-15	7.489-06	1.247-14	2.725-11	6.485-01	2.285-01	5.191-03	1.525-04	1.670-05
-.2	1.928-15	5.727-06	7.599-15	2.219-11	6.054-01	2.347-01	5.373-03	1.481-04	1.728-05
.0	1.241-15	4.218-06	4.438-15	1.799-11	5.558-01	2.413-01	5.581-03	1.395-04	1.795-05
.2	7.903-16	2.964-06	2.459-15	1.450-11	5.016-01	2.479-01	5.810-03	1.264-04	1.868-05
.4	4.981-16	1.974-06	1.287-15	1.160-11	4.453-01	2.537-01	6.050-03	1.093-04	1.945-05
.6	3.122-16	1.246-06	6.377-16	9.217-12	3.891-01	2.583-01	6.294-03	8.991-05	2.023-05
.8	1.963-16	7.508-07	3.031-16	7.299-12	3.351-01	2.611-01	6.537-03	7.060-05	2.100-05
1.0	1.253-16	4.374-07	1.409-16	5.783-12	2.848-01	2.613-01	6.773-03	5.326-05	2.176-05
1.2	8.257-17	2.504-07	6.562-17	4.610-12	2.390-01	2.587-01	7.001-03	3.894-05	2.249-05
1.4	5.722-17	1.434-07	3.150-17	3.721-12	1.983-01	2.528-01	7.220-03	2.783-05	2.319-05
1.6	4.279-17	8.371-08	1.608-17	3.061-12	1.627-01	2.434-01	7.432-03	1.958-05	2.387-05
1.8	3.577-17	5.073-08	9.078-18	2.589-12	1.318-01	2.301-01	7.638-03	1.361-05	2.454-05
2.0	3.538-17	3.269-08	5.995-18	2.277-12	1.053-01	2.130-01	7.843-03	9.354-06	2.520-05
2.2	4.626-17	2.322-08	5.154-18	2.128-12	8.248-02	1.920-01	8.049-03	6.336-06	2.586-05

T= 950C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.921-01	3.91915+00	5.06149+01	5.4534C+01	1.25177+02	-4.86523+00	3.91969+00
-6.8	4.878-01	3.88604+00	4.99954+01	5.38814+01	1.22759+02	-4.66891+00	3.88671+00
-6.6	4.813-01	3.83791+00	4.90939+01	5.29318+01	1.20079+02	-4.47433+00	3.83872+00
-6.4	4.721-01	3.77051+00	4.78306+01	5.16011+01	1.17063+02	-4.28202+00	3.77147+00
-6.2	4.592-01	3.68059+00	4.61440+01	4.98246+01	1.13660+02	-4.09251+00	3.68170+00
-6.0	4.421-01	3.56729+00	4.40177+01	4.7585C+01	1.09864+02	-3.90608+00	3.56836+00
-5.8	4.203-01	3.43326+00	4.15004+01	4.49336+01	1.05734+02	-3.72272+00	3.43466+00
-5.6	3.941-01	3.28446+00	3.87038+01	4.19883+01	1.01390+02	-3.54196+00	3.28595+00
-5.4	3.640-01	3.12884+00	3.57772+01	3.89C6C+01	9.69066+01	-3.36304+00	3.13039+00
-5.2	3.310-01	2.97447+00	3.28723+01	3.58468+01	9.26766+01	-3.18501+00	2.97604+00
-5.0	2.964-01	2.828C4+00	3.01156+01	3.29434+01	8.85838+01	-3.00694+00	2.82959+00
-4.8	2.614-01	2.69416+00	2.75933+01	3.C2874+01	8.47908+01	-2.82800+00	2.69567+00
-4.6	2.273-01	2.57531+00	2.53532+01	2.79285+01	8.13361+01	-2.64759+00	2.57675+00
-4.4	1.951-01	2.47224+00	2.34098+01	2.5882C+01	7.82331+01	-2.46533+00	2.47359+00
-4.2	1.655-01	2.38450+00	2.17547+01	2.41392+01	7.54603+01	-2.28103+00	2.38576+00
-4.0	1.389-01	2.31087+00	2.03655+01	2.26764+01	7.29905+01	-2.09465+00	2.31203+00
-3.8	1.155-01	2.24978+00	1.92126+01	2.14624+01	7.07881+01	-1.90628+00	2.25085+00
-3.6	9.533-02	2.19953+00	1.82642+01	2.C4638+01	6.88156+01	-1.71609+00	2.20050+00
-3.4	7.814-02	2.15866+00	1.74892+01	1.96476+01	6.70374+01	-1.52428+00	2.15934+00
-3.2	6.370-02	2.12502+00	1.68587+01	1.89838+01	6.54210+01	-1.33106+00	2.12582+00
-3.0	5.170-02	2.09784+00	1.63472+01	1.8445C+01	6.39373+01	-1.13665+00	2.09856+00
-2.8	4.180-02	2.07570 00	1.59320+01	1.80077+01	6.25613+01	-9.41260-01	2.07635+00
-2.6	3.370-02	2.05753+00	1.55936+01	1.7691 1+01	6.12713+01	-7.45080-01	2.05810+00
-2.4	2.712-02	2.04233+00	1.53146+01	1.73569+01	6.CC484+01	-5.48300-01	2.04284+00
-2.2	2.178-02	2.02917+00	1.50792+01	1.71084+01	5.88756+01	-3.51100-01	2.02961+00
-2.0	1.748-02	2.01711+00	1.48721+01	1.68893+01	5.77369+01	-1.53690-01	2.01751+00
-1.8	1.403-02	2.00510+00	1.46777+01	1.66828+01	5.66163+01	4.37100-02	2.00543+00
-1.6	1.126-02	1.99189+00	1.44784+01	1.64702+01	5.54965+01	2.40840-01	1.99216+00
-1.4	9.052-03	1.97596+00	1.42538+01	1.62297+01	5.43582+01	4.37360-01	1.97616+00
-1.2	7.297-03	1.95554+00	1.39807+01	1.59362+01	5.31796+01	6.37840-01	1.95564+00
-1.0	5.907-03	1.92869+00	1.36343+01	1.5563C+01	5.19386+01	8.26840-01	1.92866+00
-.8	4.811-03	1.89369+00	1.31930+01	1.50867+01	5.06168+01	1.01889+00	1.89348+00
-.6	3.951-03	1.84961+00	1.26447+01	1.44943+01	4.92063+01	1.20866+00	1.84915+00
-.4	3.279-03	1.79683+00	1.19937+01	1.37905+01	4.77154+01	1.39608+00	1.79600+00
-.2	2.756-03	1.73721+00	1.12623+01	1.29995+01	4.61701+01	1.58143+00	1.73584+00
.0	2.347-03	1.67369+00	1.04840+01	1.21597+01	4.46083+01	1.76525+00	1.67153+00
.2	2.027-03	1.60959+00	9.70426+00	1.13135+01	4.30707+01	1.94829+00	1.60625+00
.4	1.772-03	1.54789+00	8.95195+00	1.04998+01	4.15915+01	2.13132+00	1.54278+00
.6	1.565-03	1.49088+00	8.25409+00	9.74497+00	4.01942+01	2.31502+00	1.48309+00
.8	1.390-03	1.44011+00	7.62495+00	9.C6507+00	3.88905+01	2.49997+00	1.42826+00
1.0	1.240-03	1.39667+00	7.06950+00	8.46617+00	3.76822+01	2.68667+00	1.37859+00
1.2	1.105-03	1.36146+00	6.58598+00	7.94744+00	3.65639+0	2.87558+00	1.33384+00
1.4	9.842-04	1.33573+00	6.16845+00	7.50418+00	3.55258+01	3.06730+00	1.29342+00
1.6	8.753-04	1.32155+00	5.80898+00	7.13053+00	3.45550+01	3.26266+00	1.25659+00
1.8	7.809-04	1.32247+00	5.49924+00	6.82171+00	3.36371+01	3.46296+00	1.22258+00
2.0	7.070-04	1.34441+00	5.23167+00	6.57608+00	3.27565+01	3.67011+00	1.19068+00
2.2	6.679-04	1.39677+00	5.CC053+00	6.39731+00	3.18956+01	3.89670+00	1.16025+00

T= 9600

LOG C	N2	O2	NO	CO	CO2	NO2	N2C	N2+	O2+
-7.0	1.038-11	1.089-14	4.543-13	1.597-18	1.246-28	4.425-26	1.426-25	2.334-10	2.762-12
-6.8	4.083-11	4.005-14	1.712-12	6.091-16	1.154-27	4.049-25	1.313-24	5.669-10	6.674-12
-6.6	1.513-10	1.455-13	6.280-12	2.275-15	1.029-26	3.545-24	1.160-23	1.333-09	1.553-11
-6.4	5.410-10	5.072-13	2.217-11	8.253-15	6.704-26	2.919-23	9.676-23	3.153-09	3.525-11
-6.2	1.849-09	1.673-12	7.444-11	2.880-14	6.872-25	2.217-22	7.482-22	7.116-09	7.680-11
-6.0	5.970-09	5.164-12	2.350-10	9.582-14	4.906-24	1.526-21	5.268-21	1.542-08	1.591-10
-5.8	1.804-08	1.478-11	6.910-10	3.018-13	3.286-23	9.392-21	3.331-20	3.187-08	3.114-10
-5.6	5.070-08	3.909-11	1.884-09	8.968-13	1.950-22	5.134-20	1.877-19	6.252-08	5.748-10
-5.4	1.324-07	9.571-11	4.764-09	2.514-12	1.058-21	2.498-19	9.432-19	1.162-07	1.002-09
-5.2	3.220-07	2.183-10	1.122-08	6.664-12	5.191-21	1.091-18	4.255-18	2.049-07	1.657-09
-5.0	7.335-07	4.680-10	2.480-08	1.672-11	2.350-20	4.333-18	1.741-17	3.441-07	2.618-09
-4.8	1.575-06	9.508-10	5.180-08	4.038-11	9.838-20	1.505-17	6.547-17	5.524-07	3.976-09
-4.6	3.214-06	1.867-09	1.031-07	9.321-11	3.915-19	5.408-17	2.290-16	8.525-07	5.842-09
-4.4	6.275-06	3.456-09	1.971-07	2.074-10	1.446-18	1.742-16	7.536-16	1.271-06	8.350-09
-4.2	1.180-05	6.271-09	3.641-07	4.482-10	5.256-18	5.354-16	2.358-15	1.841-06	1.166-08
-4.0	2.150-05	1.109-08	6.536-07	9.316-10	1.907-17	1.583-15	7.074-15	2.600-06	1.599-08
-3.8	3.818-05	1.921-08	1.146-06	1.872-09	5.592-17	4.532-15	2.051-14	3.595-06	2.157-08
-3.6	6.633-05	3.271-08	1.971-06	3.743-09	1.924-16	1.265-14	5.783-14	4.884-06	2.873-08
-3.4	1.132-04	5.492-08	3.337-06	7.231-09	6.003-16	3.458-14	1.594-13	6.545-06	3.787-08
-3.2	1.904-04	9.118-08	5.576-06	1.366-08	1.823-15	9.294-14	4.311-13	8.664-06	4.960-08
-3.0	3.164-04	1.500-07	9.220-06	2.525-08	5.405-15	2.464-13	1.149-12	1.136-05	6.420-08
-2.8	5.207-04	2.450-07	1.512-05	4.576-08	1.567-14	6.461-13	3.024-12	1.477-05	8.285-08
-2.6	8.499-04	3.977-07	2.460-05	8.144-08	4.452-14	1.679-12	7.879-12	1.908-05	1.064-07
-2.4	1.377-03	6.426-07	3.982-05	1.425-07	1.242-13	4.331-12	2.035-11	2.450-05	1.363-07
-2.2	2.218-03	1.035-06	6.412-05	2.457-07	3.408-13	1.110-11	5.219-11	3.130-05	1.740-07
-2.0	3.551-03	1.661-06	1.028-04	4.178-07	9.216-13	2.830-11	1.329-10	3.978-05	2.219-07
-1.8	5.649-03	2.662-06	1.641-04	7.023-07	2.461-12	7.180-11	3.357-10	5.028-05	2.825-07
-1.6	8.918-03	4.260-06	2.609-04	1.168-06	6.501-12	1.812-10	8.415-10	6.313-05	3.596-07
-1.4	1.395-02	6.816-06	4.126-04	1.927-06	1.700-11	4.547-10	2.088-09	7.856-05	4.578-07
-1.2	2.154-02	1.091-05	6.488-04	3.152-06	4.409-11	1.133-09	5.110-09	9.659-05	5.835-07
-1.0	3.270-02	1.749-05	1.012-03	5.118-06	1.134-10	2.800-09	1.229-08	1.168-04	7.440-07
-.8	4.857-02	2.809-05	1.563-03	8.246-06	2.890-10	6.844-09	2.887-08	1.382-04	9.526-07
-.6	7.018-02	4.522-05	2.384-03	1.315-05	7.293-10	1.650-08	6.588-08	1.598-04	1.220-06
-.4	9.815-02	7.297-05	3.581-03	2.089-05	1.807-09	3.912-08	1.453-07	1.761-04	1.561-06
-.2	1.324-01	1.179-04	5.288-03	3.187-05	4.387-09	9.101-08	3.086-07	1.876-04	1.992-06
.0	1.722-01	1.903-04	7.660-03	4.767-05	1.130-08	2.074-07	6.299-07	1.914-04	2.523-06
.2	2.159-01	3.062-04	1.088-02	6.855-05	2.318-08	4.626-07	1.236-06	1.870-04	3.162-06
.4	2.617-01	4.897-04	1.515-02	9.330-05	4.985-08	1.009-06	2.338-06	1.753-04	3.913-06
.6	3.077-01	7.762-04	2.067-02	1.222-04	1.005-07	2.154-06	4.268-06	1.587-04	4.776-06
.8	3.521-01	1.216-03	2.767-02	1.509-04	1.921-07	4.505-06	7.543-06	1.399-04	5.766-06
1.0	3.936-01	1.879-03	3.635-02	1.777-04	3.408-07	9.241-06	1.294-05	1.212-04	6.900-06
1.2	4.313-01	2.854-03	4.688-02	2.012-04	6.056-07	1.865-05	2.160-05	1.043-04	8.233-06
1.4	4.648-01	4.256-03	5.938-02	2.210-04	1.015-06	3.719-05	3.515-05	9.042-05	9.847-06
1.6	4.942-01	6.218-03	7.390-02	2.372-04	1.653-06	7.381-05	5.582-05	8.011-05	1.200-05
1.8	5.197-01	8.885-03	9.041-02	2.504-04	2.641-06	1.475-04	8.663-05	7.397-05	1.502-05
2.0	5.418-01	1.241-02	1.087-01	2.610-04	4.169-06	3.027-04	1.314-04	7.313-05	1.980-05
2.2	5.610-01	1.690-02	1.285-01	2.694-04	6.552-06	6.563-04	1.949-04	8.101-05	2.864-05

T= 9600

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.627-26	9.381-10	1.178-14	2.180-11	3.880-01	6.131-08	1.030-01	6.728-11	2.288-03
-6.8	3.877-25	2.264-09	2.878-14	5.259-11	3.857-01	3.903-08	1.018-01	4.258-11	2.258-03
-6.6	2.185-24	5.355-09	6.934-14	1.241-10	3.821-01	2.495-08	9.993-02	2.696-11	2.213-03
-6.4	1.169-23	1.232-08	1.635-13	2.886-10	3.769-01	1.604-08	9.729-02	1.711-11	2.149-03
-6.2	5.843-23	2.731-08	3.776-13	6.267-10	3.694-01	1.038-08	9.368-02	1.080-11	2.062-03
-6.0	2.808-22	5.787-08	8.433-13	1.326-09	3.589-01	6.774-09	8.899-02	6.941-12	1.951-03
-5.8	1.125-21	1.164-07	1.817-12	2.653-09	3.450-01	4.656-09	8.325-02	4.444-12	1.817-03
-5.6	4.266-21	2.215-07	3.767-12	5.017-09	3.274-01	2.953-09	7.664-02	2.856-12	1.663-03
-5.4	1.469-20	3.986-07	7.516-12	8.975-09	3.062-01	1.967-09	6.941-02	1.843-12	1.499-03
-5.2	4.624-20	6.808-07	1.445-11	1.524-08	2.820-01	1.314-09	6.191-02	1.192-12	1.330-03
-5.0	1.346-19	1.109-06	2.682-11	2.468-08	2.556-01	8.788-10	5.442-02	7.732-13	1.164-03
-4.8	3.661-19	1.731-06	4.823-11	3.835-08	2.280-01	5.865-10	4.722-02	5.019-13	1.005-03
-4.6	9.411-19	2.607-06	8.422-11	5.751-08	2.003-01	3.901-10	4.048-02	3.258-13	8.587-04
-4.4	2.308-18	3.806-06	1.431-10	8.367-08	1.735-01	2.584-10	3.432-02	2.112-13	7.260-04
-4.2	5.445-18	5.413-06	2.371-10	1.187-07	1.483-01	1.703-10	2.882-02	1.367-13	6.081-04
-4.0	1.244-17	7.532-06	3.836-10	1.647-07	1.253-01	1.116-10	2.399-02	8.832-14	5.052-04
-3.8	2.791-17	1.029-05	6.068-10	2.246-07	1.048-01	7.285-11	1.982-02	5.692-14	4.167-04
-3.6	6.041-17	1.384-05	9.393-10	3.017-07	8.689-02	4.732-11	1.627-02	3.661-14	3.415-04
-3.4	1.295-16	1.839-05	1.424-09	4.004-07	7.149-02	3.062-11	1.328-02	2.350-14	2.785-04
-3.2	2.737-16	2.419-05	2.117-09	5.263-07	5.846-02	1.975-11	1.079-02	1.505-14	2.260-04
-3.0	5.722-16	3.155-05	3.087-09	6.861-07	4.755-02	1.270-11	8.728-03	9.632-15	1.828-04
-2.8	1.186-15	4.087-05	4.422-09	8.888-07	3.851-02	8.149-12	7.042-03	6.157-15	1.474-04
-2.6	2.439-15	5.264-05	6.227-09	1.145-06	3.108-02	5.219-12	5.667-03	3.933-15	1.186-04
-2.4	4.991-15	6.751-05	8.635-09	1.470-06	2.500-02	3.338-12	4.552-03	2.511-15	9.525-05
-2.2	1.017-14	8.629-05	1.181-08	1.882-06	2.006-02	2.132-12	3.652-03	1.604-15	7.641-05
-2.0	2.065-14	1.098-04	1.594-08	2.403-06	1.606-02	1.361-12	2.928-03	1.025-15	6.125-05
-1.8	4.183-14	1.392-04	2.129-08	3.064-06	1.282-02	8.673-13	2.346-03	6.558-16	4.910-05
-1.6	8.464-14	1.760-04	2.817-08	3.905-06	1.021-02	5.520-13	1.881-03	4.203-16	3.939-05
-1.4	1.712-13	2.215-04	3.697-08	4.979-06	8.101-03	3.506-13	1.510-03	2.700-16	3.164-05
-1.2	3.465-13	2.773-04	4.815-08	6.358-06	6.398-03	2.219-13	1.214-03	1.740-16	2.547-05
-1.0	7.027-13	3.446-04	6.228-08	8.142-06	5.019-03	1.397-13	9.785-04	1.125-16	2.057-05
-.8	1.430-12	4.238-04	7.950-08	1.047-05	3.902-03	8.718-14	7.911-04	7.303-17	1.668-05
-.6	2.924-12	5.140-04	1.014-07	1.356-05	2.996-03	5.374-14	6.412-04	4.751-17	1.357-05
-.4	6.021-12	6.124-04	1.265-07	1.769-05	2.263-03	3.254-14	5.203-04	3.091-17	1.107-05
-.2	1.250-11	7.139-04	1.539-07	2.332-05	1.676-03	1.926-14	4.216-04	2.001-17	9.04[illegible]-06
.0	2.617-11	8.113-04	1.806-07	3.108-05	1.213-03	1.109-14	3.399-04	1.284-17	7.363-06
.2	5.526-11	8.972-04	2.024-07	4.189-05	8.565-04	6.203-15	2.720-04	8.136-18	5.967-06
.4	1.175-10	9.658-04	2.147-07	5.699-05	5.908-04	3.375-15	2.155-04	5.084-18	4.807-06
.6	2.507-10	1.014-03	2.152-07	7.811-05	3.992-04	1.798-15	1.692-04	3.144-18	3.852-06
.8	5.348-10	1.044-03	2.048-07	1.074-04	2.657-04	9.465-16	1.318-04	1.937-18	3.082-06
1.0	1.136-09	1.061-03	1.871-07	1.478-04	1.754-04	4.994-16	1.023-04	1.201-18	2.473-06
1.2	2.396-09	1.071-03	1.667-07	2.026-04	1.158-04	2.685-16	7.961-05	7.597-19	2.006-06
1.4	5.014-09	1.085-03	1.475-07	2.766-04	7.725-05	1.500-16	6.255-05	4.990-19	1.660-06
1.6	1.044-08	1.115-03	1.324-07	3.767-04	5.271-05	8.935-17	5.011-05	3.480-19	1.418-06
1.8	2.186-08	1.182-03	1.233-07	5.154-04	3.733-05	5.867-17	4.146-05	2.659-19	1.271-06
2.0	4.708-08	1.321-03	1.227-07	7.207-04	2.803-05	4.483-17	3.614-05	2.365-19	1.225-06
2.2	1.092-07	1.621-03	1.368-07	1.069-03	2.317-05	4.438-17	3.438-05	2.650-19	1.321-06

T= 9600

LOG P	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.001-08	8.383-05	1.944-09	1.773-07	9.397-03	3.719-03	8.605-05	1.325-07	7.454-06
-6.8	6.324-09	9.436-05	1.253-09	1.166-07	1.453-02	5.738-03	1.357-04	2.082-07	7.571-06
-6.6	3.999-09	8.514-05	8.159-10	7.641-08	2.231-02	8.734-03	2.062-04	3.257-07	7.693-06
-6.4	2.531-09	8.627-05	5.388-10	5.073-08	3.378-02	1.305-02	3.073-04	5.066-07	7.838-06
-6.2	1.604-09	8.786-05	3.625-10	3.429-08	5.013-02	1.903-02	4.466-04	7.8.. 07	8.024-06
-6.0	1.019-09	8.998-05	2.493-10	2.371-08	7.257-02	2.693-02	6.294-04	1.192-06	8.245-06
-5.8	6.499-10	9.266-05	1.757-10	1.681-08	1.020-01	3.684-02	8.567-04	1.794-06	8.570-06
-5.6	4.153-10	9.583-05	1.269-10	1.224-08	1.387-01	4.859-02	1.124-03	2.660-06	8.941-06
-5.4	2.665-10	9.939-05	9.369-11	9.136-09	1.822-01	6.183-02	1.423-03	3.874-06	9.375-06
-5.2	1.716-10	1.030-04	7.045-11	6.965-09	2.315-01	7.606-02	1.741-03	5.537-06	9.857-06
-5.0	1.109-10	1.064-04	5.389-11	5.402-09	2.846-01	9.072-02	2.067-03	7.763-06	1.037-05
-4.8	7.159-11	1.093-04	4.126-11	4.244-09	3.396-01	1.053-01	2.390-03	1.067-05	1.090-05
-4.6	4.630-11	1.113-04	3.193-11	3.364-09	3.945-01	1.193-01	2.699-03	1.436-05	1.142-05
-4.4	2.993-11	1.122-04	2.483-11	2.682-09	4.473-01	1.325-01	2.987-03	1.895-05	1.192-05
-4.2	1.933-11	1.118-04	1.894-11	2.145-09	4.965-01	1.444-01	3.249-03	2.452-05	1.239-05
-4.0	1.246-11	1.099-04	1.436-11	1.719-09	5.415-01	1.552-01	3.483-03	3.109-05	1.281-05
-3.8	8.017-12	1.064-04	1.085-11	1.378-09	5.814-01	1.645-01	3.688-03	3.865-05	1.318-05
-3.6	5.149-12	1.015-04	8.111-12	1.105-09	6.161-01	1.726-01	3.864-03	4.713-05	1.351-05
-3.4	3.301-12	9.526-05	5.989-12	8.850-10	6 459-01	1.795-01	4.014-03	5.639-05	1.379-05
-3.2	2.113-12	8.803-05	4.365-12	7.085-10	6.711-01	1.853-01	4.140-03	6.621-05	1.402-05
-3.0	1.351-12	8.006-05	3.139-12	5.667-10	6.920-01	1.901-01	4.245-03	7.634-05	1.422-05
-2.8	8.633-13	7.169-05	2.227-12	4.531-10	7.093-01	1.941-01	4.332-03	8.651-05	1.439-05
-2.6	5.513-13	6.325-05	1.559-12	3.620-10	7.232-01	1.974-01	4.403-03	9.644-05	1.452-05
-2.4	3.520-13	5.503-05	1.078-12	2.931-10	7.343-01	2.001-01	4.463-03	1.059-04	1.464-05
-2.2	2.248-13	4.726-05	7.374-13	2.309-10	7.428-01	2.024-01	4.514-03	1.147-04	1.474-05
-2.0	1.437-13	4.013-05	4.992-13	1.845-10	7.488-01	2.043-01	4.558-03	1.226-04	1.484-05
-1.8	9.194-14	3.374-05	3.350-13	1.475-10	7.525-01	2.061-01	4.598-03	1.297-04	1.493-05
-1.6	5.895-14	2.811-05	2.231-13	1.181-10	7.534-01	2.078-01	4.638-03	1.359-04	1.502-05
-1.4	3.790-14	2.326-05	1.477-13	9.466-11	7.513-01	2.096-01	4.682-03	1.413-04	1.514-05
-1.2	2.446-14	1.911-05	9.730-14	7.610-11	7.452-01	2.116-01	4.734-03	1.459-04	1.529-05
-1.0	1.585-14	1.561-05	6.375-14	6.139-11	7.341-01	2.142-01	4.801-03	1.496-04	1.549-05
-.8	1.032-14	1.266-05	4.151-14	4.972-11	7.167-01	2.175-01	4.888-03	1.523-04	1.575-05
-.6	6.739-15	1.016-05	2.676-14	4.042-11	6.919-01	2.216-01	5.001-03	1.538-04	1.611-05
-.4	4.409-15	8.039-06	1.697-14	3.295-11	6.590-01	2.267-01	5.145-03	1.533-04	1.656-05
-.2	2.877-15	6.210-06	1.048-14	2.687-11	6.180-01	2.326-01	5.319-03	1.500-04	1.711-05
.0	1.865-15	4.640-06	6.230-15	2.185-11	5.700-01	2.391-01	5.522-03	1.428-04	1.776-05
.2	1.197-15	3.317-06	3.528-15	1.768-11	5.169-01	2.456-01	5.746-03	1.311-04	1.847-05
.4	7.613-16	2.253-06	1.891-15	1.420-11	4.609-01	2.516-01	5.985-03	1.151-04	1.924-05
.6	4.812-16	1.451-06	9.598-16	1.134-11	4.045-01	2.564-01	6.230-03	9.625-05	2.002-05
.8	3.049-16	8.899-07	4.662-16	9.013-12	3.497-01	2.594-01	6.475-03	7.670-05	2.081-05
1.0	1.960-16	5.263-07	2.206-16	7.166-12	2.982-01	2.601-01	6.715-03	5.858-05	2.158-05
1.2	1.298-16	3.049-07	1.042-16	5.729-12	2.510-01	2.580-01	6.947-03	4.325-05	2.232-05
1.4	9.035-17	1.761-07	5.057-17	4.633-12	2.088-01	2.526-01	7.171-03	3.114-05	2.304-05
1.6	6.784-17	1.033-07	2.603-17	3.818-12	1.716-01	2.436-01	7.388-03	2.201-05	2.373-05
1.8	5.698-17	6.288-08	1.479-17	3.236-12	1.393-01	2.309-01	7.599-03	1.535-05	2.441-05
2.0	5.674-17	4.064-08	9.849-18	2.850-12	1.114-01	2.142-01	7.808-03	1.057-05	2.508-05
2.2	7.517-17	2.659-08	8.583-18	2.673-12	8.743-02	1.934-01	8.018-03	7.165-06	2.576-05

T= 9600

LOG P	E-	I	E/RT	H/RT	S/R	LOG P	I+
-7.0	4.934-01	3.92964+00	5.03525+01	5.42822+01	1.25443+02	-4.85952+00	3.93018+00
-6.8	4.898-01	3.90165+00	4.98342+01	5.37355+01	1.23121+02	-4.66263+00	3.90231+00
-6.6	4.844-01	3.86042+00	4.90702+01	5.29306+01	1.20569+02	-4.46724+00	3.86123+00
-6.4	4.764-01	3.80170+00	4.79809+01	5.17926+01	1.17715+02	-4.27390+00	3.80267+00
-6.2	4.652-01	3.72163+00	4.64947+01	5.02163+01	1.14496+02	-4.08314+00	3.72277+00
-6.0	4.499-01	3.61818+00	4.45731+01	4.81913+01	1.10883+02	-3.89538+00	3.61949+00
-5.8	4.302-01	3.49244+00	4.22358+01	4.57283+01	1.06908+02	-3.71075+00	3.49390+00
-5.6	4.058-01	3.34906+00	3.95688+01	4.29178+01	1.02665+02	-3.52895+00	3.35064+00
-5.4	3.772-01	3.19536+00	3.67078+01	3.99031+01	9.82968+01	-3.34935+00	3.19703+00
-5.2	3.454-01	3.03958+00	3.38061+01	3.68457+01	9.35596+01	-3.17106+00	3.04128+00
-5.0	3.113-01	2.88912+00	3.10018+01	3.38905+01	8.97905+01	-2.99311+00	2.89082+00
-4.8	2.763-01	2.74949+00	2.83982+01	3.11477+01	8.58888+01	-2.81462+00	2.75116+00
-4.6	2.417-01	2.62408+00	2.60582+01	2.86822+01	8.23122+01	-2.63490+00	2.62568+00
-4.4	2.086-01	2.51430+00	2.40088+01	2.65231+01	7.90804+01	-2.45346+00	2.51581+00
-4.2	1.778-01	2.42014+00	2.22505+01	2.46707+01	7.61865+01	-2.27003+00	2.42155+00
-4.0	1.499-01	2.34068+00	2.07661+01	2.31067+01	7.36064+01	-2.08453+00	2.34199+00
-3.8	1.252-01	2.27444+00	1.95285+01	2.18029+01	7.13067+01	-1.89706+00	2.27565+00
-3.6	1.036-01	2.21977+00	1.85068+01	2.07266+01	6.92506+01	-1.70757+00	2.22088+00
-3.4	8.517-02	2.17497+00	1.76696+01	1.98446+01	6.74019+01	-1.51642+00	2.17597+00
-3.2	6.959-02	2.13844+00	1.69873+01	1.91258+01	6.57268+01	-1.32378+00	2.13935+00
-3.0	5.659-02	2.10873+00	1.64332+01	1.85419+01	6.41449+01	-1.12985+00	2.10955+00
-2.8	4.583-02	2.08455+00	1.59834+01	1.80675+01	6.27798+01	-9.34860-01	2.08529+00
-2.6	3.700-02	2.06476+00	1.56174+01	1.76822+01	6.14585+01	-7.39010-01	2.06542+00
-2.4	2.979-02	2.04832+00	1.53170+01	1.73653+01	6.02112+01	-5.42480-01	2.04891+00
-2.2	2.395-02	2.03429+00	1.50658+01	1.71001+01	5.90200+01	-3.45460-01	2.03481+00
-2.0	1.923-02	2.02170+00	1.48484+01	1.68701+01	5.78687+01	-1.48160-01	2.02216+00
-1.8	1.544-02	2.00953+00	1.46490+01	1.66586+01	5.67411+01	4.92200-02	2.00991+00
-1.6	1.239-02	1.99657+00	1.44508+01	1.64474+01	5.56205+01	2.46610-01	1.99689+00
-1.4	9.961-03	1.98139+00	1.42343+01	1.62157+01	5.44878+01	4.43100-01	1.98163+00
-1.2	8.024-03	1.96227+00	1.39769+01	1.59391+01	5.33222+01	6.38880-01	1.96240+00
-1.0	6.488-03	1.93777+00	1.36541+01	1.55914+01	5.21013+01	8.33320-01	1.93727+00
-.8	5.275-03	1.90456+00	1.32429+01	1.51475+01	5.08052+01	1.02592+00	1.90438+00
-.6	4.322-03	1.86293+00	1.27279+01	1.45908+01	4.94224+01	1.21632+00	1.86269+00
-.4	3.575-03	1.81235+00	1.21083+01	1.39206+01	4.79562+01	1.40437+00	1.81154+00
-.2	2.993-03	1.75429+00	1.14014+01	1.31557+01	4.64279+01	1.59023+00	1.75293+00
.0	2.539-03	1.69147+00	1.06395+01	1.23310+01	4.48726+01	1.77439+00	1.68931+00
.2	2.183-03	1.62718+00	9.86167+00	1.14885+01	4.33306+01	1.95756+00	1.62382+00
.4	1.902-03	1.56657+00	9.10420+00	1.06689+01	4.18384+01	2.14052+00	1.55942+00
.6	1.674-03	1.50617+00	8.39486+00	9.90103+00	4.04223+01	2.32400+00	1.49832+00
.8	1.484-03	1.45379+00	7.75065+00	9.20444+00	3.90968+01	2.50863+00	1.44183+00
1.0	1.322-03	1.40987+00	7.17878+00	8.58745+00	3.78662+01	2.69493+00	1.39265+00
1.2	1.179-03	1.37187+00	6.67909+00	8.05096+00	3.67266+01	2.88344+00	1.34406+00
1.4	1.050-03	1.34+01	6.24662+00	7.59133+00	3.56691+01	3.07475+00	1.30215+00
1.6	9.352-04	1.32924+00	5.87353+00	7.20321+00	3.46812+01	3.26974+00	1.26401+00
1.8	8.361-04	1.32914+00	5.55245+00	6.88198+00	3.37487+01	3.46964+00	1.22887+00
2.0	7.592-04	1.35017+00	5.27577+00	6.62594+00	3.28557+01	3.67651+00	1.19600+00
2.2	7.203-04	1.40113+00	5.03682+00	6.43855+00	3.19845+01	3.89279+00	1.16472+00

T= 9700

LOG D	A2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.553-12	7.101-15	2.916-13	1.003-16	6.214-29	2.304-26	7.146-26	1.753-10	2.150-12
-6.8	2.505-11	2.699-14	1.109-12	3.653-16	5.825-28	2.137-25	6.666-25	4.261-10	5.211-12
-6.6	9.376-11	9.890-14	4.117-12	1.453-15	5.284-27	1.909-24	6.001-24	1.030-09	1.234-11
-6.4	3.406-10	3.511-13	1.478-11	5.340-15	4.575-26	1.615-23	5.138-23	2.427-09	2.841-11
-6.2	1.188-09	1.186-12	5.075-11	1.895-14	3.723-25	1.271-22	4.109-22	5.557-09	6.301-11
-6.0	3.933-09	3.767-12	1.646-10	6.435-14	2.800-24	9.132-22	3.013-21	1.226-08	1.333-10
-5.8	1.223-08	1.112-11	4.936-10	2.074-13	1.921-23	5.891-21	1.995-20	2.587-08	2.672-10
-5.6	3.545-08	3.037-11	1.403-09	6.310-13	1.192-22	3.381-20	1.179-19	5.190-08	5.049-10
-5.4	9.548-08	7.668-11	3.650-09	1.610-12	6.689-22	1.724-19	6.212-19	9.868-08	8.999-10
-5.2	2.392-07	1.798-10	8.866-09	4.904-12	3.410-21	7.851-19	2.928-18	1.779-07	1.519-09
-5.0	5.596-07	3.948-10	2.009-08	1.260-11	1.593-20	3.260-18	1.246-17	3.048-07	2.441-09
-4.8	1.231-06	8.186-10	4.292-08	3.004-11	6.899-20	1.223-17	4.845-17	4.983-07	3.763-09
-4.6	2.564-06	1.618-09	8.707-08	7.229-11	2.792-19	4.288-17	1.743-16	7.816-07	5.598-09
-4.4	5.095-06	3.070-09	1.691-07	1.630-10	1.068-18	1.413-16	5.877-16	1.182-06	8.095-09
-4.2	9.727-06	5.635-09	3.165-07	3.550-10	3.837-18	4.621-16	1.875-15	1.732-06	1.139-08
-4.0	1.795-05	1.006-08	5.748-07	7.498-10	1.356-17	1.328-15	5.720-15	2.470-06	1.572-08
-3.8	3.220-05	1.757-08	1.017-06	1.533-09	4.552-17	3.835-15	1.681-14	3.445-06	2.134-08
-3.6	5.643-05	3.010-08	1.762-06	3.064-09	1.470-16	1.064-14	4.792-14	4.716-06	2.858-08
-3.4	9.700-05	5.081-08	3.001-06	5.965-09	4.654-16	2.986-14	1.332-13	6.354-06	3.779-08
-3.2	1.641-04	8.472-08	5.061-06	1.136-08	1.426-15	8.079-14	3.631-13	8.452-06	4.955-08
-3.0	2.740-04	1.399-07	8.369-06	2.111-08	4.258-15	2.153-13	9.732-13	1.112-05	6.446-08
-2.8	4.527-04	2.290-07	1.377-05	3.868-08	1.243-14	5.669-13	2.574-12	1.451-05	8.337-08
-2.6	7.412-04	3.726-07	2.247-05	6.884-08	3.552-14	1.478-12	6.733-12	1.880-05	1.073-07
-2.4	1.205-03	6.032-07	3.644-05	1.210-07	9.959-14	3.824-12	1.745-11	2.420-05	1.376-07
-2.2	1.945-03	9.724-07	5.879-05	2.095-07	2.745-13	9.825-12	4.487-11	3.098-05	1.759-07
-2.0	3.120-03	1.563-06	9.441-05	3.576-07	7.454-13	2.510-11	1.145-10	3.945-05	2.244-07
-1.8	4.975-03	2.506-06	1.510-04	6.030-07	1.997-12	6.378-11	2.901-10	4.997-05	2.859-07
-1.6	7.874-03	4.013-06	2.403-04	1.006-06	5.291-12	1.613-10	7.273-10	6.290-05	3.640-07
-1.4	1.235-02	6.422-06	3.808-04	1.662-06	1.380-11	4.054-10	1.815-09	7.852-05	4.636-07
-1.2	1.915-02	1.028-05	5.998-04	2.726-06	3.607-11	1.013-09	4.462-09	9.695-05	5.908-07
-1.0	2.923-02	1.647-05	9.380-04	4.435-06	9.297-11	2.509-09	1.079-08	1.179-04	7.541-07
-.8	4.371-02	2.643-05	1.453-03	7.167-06	2.376-10	6.151-09	2.552-08	1.405-04	9.644-07
-.6	6.367-02	4.251-05	2.224-03	1.146-05	6.000-10	1.489-08	5.874-08	1.629-04	1.235-06
-.4	8.988-02	6.854-05	3.355-03	1.811-05	1.490-09	3.546-08	1.308-07	1.927-04	1.583-06
-.2	1.225-01	1.107-04	4.977-03	2.809-05	3.659-09	8.290-08	2.807-07	1.971-04	2.023-06
.0	1.609-01	1.786-04	7.246-03	4.243-05	8.684-09	1.899-07	5.789-07	2.038-04	2.570-06
.2	2.037-01	2.874-04	1.034-02	6.179-05	1.982-08	4.259-07	1.148-06	2.018-04	3.235-06
.4	2.491-01	4.601-04	1.447-02	8.598-05	4.308-08	9.340-07	2.190-06	1.917-04	4.023-06
.6	2.952-01	7.303-04	1.984-02	1.136-04	8.882-08	2.004-06	4.033-06	1.757-04	4.938-06
.8	3.402-01	1.146-03	2.668-02	1.425-04	1.722-07	4.212-06	7.182-06	1.564-04	5.990-06
1.0	3.826-01	1.774-03	3.519-02	1.701-04	3.171-07	8.682-06	1.240-05	1.367-04	7.204-06
1.2	4.214-01	2.703-03	4.555-02	1.947-04	5.572-07	1.760-05	2.083-05	1.185-04	8.634-06
1.4	4.561-01	4.041-03	5.790-02	2.157-04	9.424-07	3.526-05	3.407-05	1.033-04	1.019-05
1.6	4.867-01	5.922-03	7.230-02	2.330-04	1.547-06	7.029-05	5.436-05	9.195-05	1.269-05
1.8	5.134-01	8.491-03	8.873-02	2.472-04	2.487-06	1.411-04	8.471-05	8.523-05	1.595-05
2.0	5.365-01	1.190-02	1.070-01	2.586-04	3.945-06	2.909-04	1.290-04	8.458-05	2.113-05
2.2	5.567-01	1.627-02	1.268-01	2.677-04	6.227-06	6.335-04	1.920-04	9.414-05	3.077-05

T= 9700

LOG D	C2-	NO+	CO-	O-	N+	N++	O+	O++	A+
-7.0	4.727-26	6.820-10	8.913-15	1.786-11	3.887-01	8.970-08	1.034-01	1.057-10	2.799-03
-6.8	2.199-25	1.656-09	2.187-14	4.333-11	3.868-01	5.703-08	1.023-01	6.685-11	2.274-03
-6.6	1.604-24	3.953-09	5.301-14	1.033-10	3.838-01	3.639-08	1.007-01	4.231-11	2.257-03
-6.4	8.783-24	9.207-09	1.264-13	2.359-10	3.794-01	2.333-08	9.844-02	2.682-11	2.193-03
-6.2	4.523-23	2.075-08	2.943-13	5.308-10	3.729-01	1.506-08	9.523-02	1.704-11	2.108-03
-6.0	2.156-22	4.483-08	6.661-13	1.159-09	3.638-01	9.795-09	9.097-02	1.085-11	2.009-03
-5.8	9.386-22	9.219-08	1.457-12	2.371-09	3.514-01	6.423-09	8.563-02	6.935-12	1.886-03
-5.6	3.706-21	1.795-07	3.067-12	4.590-09	3.354-01	4.245-09	7.932-02	4.448-12	1.742-03
-5.4	1.326-20	3.304-07	6.212-12	8.348-09	3.157-01	2.823-09	7.229-02	2.854-12	1.583-03
-5.2	4.324-20	5.763-07	1.211-11	1.456-08	2.927-01	1.885-09	6.485-02	1.850-12	1.415-03
-5.0	1.298-19	9.564-07	2.278-11	2.402-08	2.670-01	1.260-09	5.732-02	1.199-12	1.247-03
-4.8	3.623-19	1.518-06	4.146-11	3.793-08	2.398-01	8.422-10	4.998-02	7.775-13	1.085-03
-4.6	9.518-19	2.319-06	7.317-11	5.768-08	2.120-01	5.612-10	4.303-02	5.046-13	9.321-04
-4.4	2.377-18	3.427-06	1.255-10	8.492-08	1.857-01	3.725-10	3.664-02	3.273-13	7.921-04
-4.2	5.691-18	4.925-06	2.098-10	1.216-07	1.588-01	2.460-10	3.088-02	2.120-13	6.665-04
-4.0	1.316-17	6.911-06	3.423-10	1.702-07	1.348-01	1.617-10	2.579-02	1.371-13	5.559-04
-3.8	2.961-17	9.508-06	5.454-10	2.337-07	1.132-01	1.057-10	2.137-02	8.842-14	4.601-04
-3.6	6.508-17	1.287-05	8.502-10	3.158-07	9.420-02	6.884-11	1.758-02	5.692-14	3.783-04
-3.4	1.404-16	1.718-05	1.297-09	4.212-07	7.776-02	4.463-11	1.438-02	3.657-14	3.092-04
-3.2	2.984-16	2.269-05	1.940-09	5.557-07	6.375-02	2.883-11	1.170-02	2.345-14	2.515-04
-3.0	6.264-16	2.969-05	2.845-09	7.268-07	5.197-02	1.857-11	9.487-03	1.502-14	2.038-04
-2.8	1.302-15	3.857-05	4.096-09	9.439-07	4.216-02	1.193-11	7.664-03	9.606-15	1.646-04
-2.6	2.687-15	4.979-05	5.797-09	1.219-06	3.408-02	7.650-12	6.174-03	6.140-15	1.326-04
-2.4	5.510-15	6.397-05	8.073-09	1.567-06	2.745-02	4.898-12	4.964-03	3.923-15	1.066-04
-2.2	1.124-14	8.184-05	1.103-08	2.008-06	2.205-02	3.132-12	3.985-03	2.507-15	8.555-05
-2.0	2.286-14	1.043-04	1.501-08	2.567-06	1.767-02	2.001-12	3.196-03	1.603-15	6.862-05
-1.8	4.637-14	1.325-04	2.011-08	3.276-06	1.412-02	1.277-12	2.562-03	1.026-15	5.503-05
-1.6	9.389-14	1.678-04	2.668-08	4.177-06	1.126-02	8.136-13	2.054-03	6.576-16	4.414-05
-1.4	1.900-13	2.115-04	3.509-08	5.326-06	8.967-03	5.176-13	1.649-03	4.225-16	3.546-05
-1.2	3.845-13	2.654-04	4.581-08	6.800-06	7.079-03	3.283-13	1.325-03	2.723-16	2.854-05
-1.0	7.754-13	3.306-04	5.940-08	8.701-06	5.568-03	2.073-13	1.068-03	1.761-16	2.304-05
-.8	1.564-12	4.080-04	7.643-08	1.118-05	4.344-03	1.299-13	8.631-04	1.144-16	1.867-05
-.6	3.235-12	4.973-04	9.739-08	1.444-05	3.350-03	8.056-14	6.995-04	7.453-17	1.519-05
-.4	6.644-12	5.961-04	1.223-07	1.880-05	2.545-03	4.917-14	5.680-04	4.861-17	1.240-05
-.2	1.375-11	6.998-04	1.502-07	2.470-05	1.898-03	2.938-14	4.610-04	3.162-17	1.014-05
.0	2.870-11	8.019-04	1.786-07	3.280-05	1.384-03	1.712-14	3.728-04	2.042-17	8.275-06
.2	6.041-11	8.948-04	2.035-07	4.403-05	9.859-04	9.697-15	2.994-04	1.304-17	6.730-06
.4	1.280-10	9.719-04	2.200-07	5.971-05	6.859-04	5.345-15	2.383-04	8.222-18	5.444-06
.6	2.726-10	1.030-03	2.250-07	8.160-05	4.672-04	2.882-15	1.879-04	5.130-18	4.383-06
.8	5.808-10	1.068-03	2.182-07	1.120-04	3.132-04	1.534-15	1.471-04	3.187-18	3.520-06
1.0	1.234-09	1.092-03	2.026-07	1.540-04	2.080-04	8.172-16	1.147-04	1.991-18	2.835-06
1.2	2.606-09	1.109-03	1.829-07	2.112-04	1.380-04	4.427-16	8.955-05	1.268-18	2.307-06
1.4	5.465-09	1.129-03	1.635-07	2.888-04	9.244-05	2.490-16	7.058-05	8.373-19	1.913-06
1.6	1.142-08	1.166-03	1.479-07	3.942-04	6.325-05	1.491-16	5.670-05	5.870-19	1.637-06
1.8	2.402-08	1.240-03	1.385-07	5.411-04	4.490-05	9.851-17	4.703-05	4.513-19	1.470-06
2.0	5.203-08	1.392-03	1.385-07	7.599-04	3.380-05	7.587-17	4.112-05	4.013-19	1.419-06
2.2	1.215-07	1.715-03	1.553-07	1.133-03	2.803-05	7.616-17	3.928-05	4.604-19	1.536-06

T= 9700

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.437-09	8.367-05	2.659-09	2.350-C7	7.758-C1	3.113-03	7.188-05	1.138-07	7.302-04
-6.8	9.092-09	8.410-05	1.708-08	1.527-C7	1.208-C2	4.823-03	1.113-04	1.791-07	7.510-04
-6.6	5.744-09	8.477-05	1.107-08	9.975-C8	1.865-C2	7.386-03	1.703-04	2.808-07	7.612-06
-6.4	3.636-09	8.574-05	7.242-10	6.565-C8	2.843-C2	1.113-02	2.562-04	4.379-07	7.768-06
-6.2	2.306-09	8.711-05	4.845-10	4.417-C8	4.257-C2	1.640-02	3.769-04	6.779-07	7.937-06
-6.0	1.465-09	8.899-05	3.300-10	3.024-C8	6.231-C2	2.350-C2	5.390-04	1.039-06	8.154-06
-5.8	9.340-10	9.142-05	2.302-10	2.122-C8	8.870-C2	3.261-02	7.458-04	1.573-06	8.432-06
-5.6	5.973-10	9.437-05	1.645-10	1.528-C8	1.223-C1	4.365-02	9.953-04	2.347-06	8.777-06
-5.4	3.834-10	9.773-05	1.204-10	1.129-C8	1.691-01	5.634-02	1.281-03	3.442-06	9.186-06
-5.2	2.469-10	1.013-04	8.984-11	8.538-C9	2.101-C1	7.023-02	1.592-03	4.957-06	9.650-06
-5.0	1.595-10	1.048-04	6.810-11	6.578-C9	2.618-01	8.478-02	1.916-03	7.092-06	1.015-05
-4.8	1.032-10	1.078-04	5.215-11	5.143-C9	3.163-01	9.944-02	2.241-03	9.695-06	1.048-05
-4.6	6.692-11	1.101-04	4.015-11	4.063-C9	3.715-01	1.137-01	2.558-03	1.313-05	1.121-05
-4.4	4.326-11	1.114-04	3.094-11	3.232-C9	4.253-01	1.273-01	2.856-03	1.749-05	1.172-05
-4.2	2.798-11	1.114-04	2.378-11	2.583-C9	4.762-01	1.397-01	3.131-03	2.278-05	1.220-05
-4.0	1.806-11	1.099-04	1.816-11	2.069-C9	5.231-01	1.510-01	3.378-03	2.908-05	1.264-05
-3.8	1.164-11	1.070-04	1.376-11	1.658-C9	5.651-01	1.609-01	3.597-03	3.639-05	1.303-05
-3.6	7.487-12	1.025-04	1.031-11	1.330-C9	6.020-01	1.695-01	3.787-03	4.459-05	1.338-05
-3.4	4.807-12	9.669-05	7.643-12	1.066-C9	6.339-01	1.769-01	3.948-03	5.373-05	1.367-05
-3.2	3.081-12	8.976-05	5.591-12	8.533-10	6.609-01	1.831-01	4.085-03	6.344-05	1.393-05
-3.0	1.972-12	8.200-05	4.035-12	6.829-10	6.836-01	1.883-01	4.199-03	7.354-05	1.414-05
-2.8	1.261-12	7.375-05	2.876-12	5.461-10	7.023-01	1.926-01	4.294-03	8.376-05	1.432-05
-2.6	8.060-13	6.532-05	2.020-12	4.365-10	7.176-01	1.961-01	4.372-03	9.377-05	1.447-05
-2.4	5.150-13	5.704-05	1.402-12	3.487-10	7.298-01	1.991-01	4.438-03	1.034-04	1.460-05
-2.2	3.291-13	4.916-05	9.616-13	2.784-10	7.393-01	2.015-01	4.492-03	1.124-04	1.470-05
-2.0	2.104-13	4.188-05	6.529-13	2.226-10	7.463-01	2.036-01	4.539-03	1.206-04	1.480-05
-1.8	1.347-13	3.530-05	4.394-13	1.780-10	7.508-01	2.054-01	4.582-03	1.279-04	1.489-05
-1.6	8.640-14	2.948-05	2.934-13	1.424-10	7.527-01	2.072-01	4.622-03	1.344-04	1.499-05
-1.4	5.556-14	2.444-05	1.947-13	1.142-10	7.516-01	2.089-01	4.666-03	1.400-04	1.510-05
-1.2	3.585-14	2.013-05	1.286-13	9.174-11	7.468-01	2.109-01	4.714-03	1.447-04	1.524-05
-1.0	2.324-14	1.647-05	8.446-14	7.397-11	7.373-01	2.133-01	4.779-03	1.487-04	1.542-05
-.8	1.513-14	1.340-05	5.519-14	5.987-11	7.218-01	2.164-01	4.860-03	1.517-04	1.567-05
-.6	9.897-15	1.080-05	3.577-14	4.866-11	6.992-01	2.203-01	4.966-03	1.536-04	1.600-05
-.4	6.490-15	8.594-06	2.287-14	3.968-11	6.685-01	2.251-01	5.102-03	1.539-04	1.643-05
-.2	4.253-15	6.701-06	1.429-14	3.240-11	6.297-01	2.307-01	5.269-03	1.516-04	1.698-05
.0	2.774-15	5.071-06	8.639-15	2.641-11	5.835-01	2.370-01	5.465-03	1.457-04	1.758-05
.2	1.795-15	3.695-06	4.993-15	2.144-11	5.315-01	2.434-01	5.684-03	1.354-04	1.820-05
.4	1.151-15	2.549-06	2.738-15	1.730-11	4.761-01	2.495-01	5.921-03	1.206-04	1.904-05
.6	7.338-16	1.674-06	1.423-15	1.387-11	4.196-01	2.545-01	6.166-03	1.024-04	1.982-05
.8	4.687-16	1.046-06	7.067-16	1.107-11	3.641-01	2.578-01	6.413-03	8.281-05	2.041-05
1.0	3.033-16	6.282-07	3.408-16	8.834-12	3.116-01	2.589-01	6.657-03	6.408-05	2.139-05
1.2	2.020-16	3.694-07	1.635-16	7.082-12	2.631-01	2.571-01	6.893-03	4.780-05	2.215-05
1.4	1.413-16	2.147-07	8.022-17	5.741-12	2.194-01	2.522-01	7.122-03	3.468-05	2.288-05
1.6	1.065-16	1.268-07	4.165-17	4.740-12	1.808-01	2.437-01	7.343-03	2.465-05	2.359-05
1.8	8.990-17	7.753-08	2.386-17	4.022-12	1.470-01	2.315-01	7.559-03	1.725-05	2.429-05
2.0	9.015-17	5.029-08	1.602-17	3.551-12	1.178-01	2.152-01	7.773-03	1.190-05	2.497-05
2.2	1.210-16	3.601-08	1.415-17	3.343-12	9.252-C2	1.948-01	7.986-03	8.079-06	2.566-05

T= 9700

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z=
-7.0	4.945-01	3.93828+00	5.00618+01	5.40000+01	1.25673+02	-4.85407+00	3.93881+00
-6.8	4.915-01	3.91463+00	4.96264+01	5.35430+01	1.23431+02	-4.65566+00	3.91528+00
-6.6	4.869-01	3.87941+00	4.89825+01	5.28619+01	1.20990+02	-4.46061+00	3.88021+00
-6.4	4.801-01	3.82848+00	4.80476+01	5.18761+01	1.18279+02	-4.26635+00	3.82946+00
-6.2	4.703-01	3.75769+00	4.67471+01	5.05047+01	1.15231+02	-4.07445+00	3.75884+00
-6.0	4.568-01	3.66436+00	4.50256+01	4.86897+01	1.11800+02	-3.88541+00	3.66540+00
-5.8	4.390-01	3.54726+00	4.28767+01	4.64240+01	1.07990+02	-3.69348+00	3.54878+00
-5.6	4.165-01	3.41050+00	4.03585+01	4.37690+01	1.03869+02	-3.51656+00	3.41216+00
-5.4	3.896-01	3.26015+00	3.75882+01	4.09484+01	9.95622+01	-3.33614+00	3.26192+00
-5.2	3.590-01	3.10430+00	3.47145+01	3.78168+01	9.52230+01	-3.15741+00	3.10613+00
-5.0	3.257-01	2.95086+00	3.18835+01	3.48344+01	9.09980+01	-2.97943+00	2.95271+00
-4.8	2.910-01	2.80622+00	2.92132+01	3.20194+01	8.70024+01	-2.80125+00	2.80804+00
-4.6	2.561-01	2.67462+00	2.67823+01	2.94570+01	8.33101+01	-2.62211+00	2.67639+00
-4.4	2.223-01	2.55826+00	2.46317+01	2.71900+01	7.99552+01	-2.44143+00	2.55994+00
-4.2	1.904-01	2.45766+00	2.27716+01	2.52293+01	7.69409+01	-2.25885+00	2.45923+00
-4.0	1.613-01	2.37222+00	2.11912+01	2.35635+01	7.42490+01	-2.07422+00	2.37368+00
-3.8	1.352-01	2.30065+00	1.98671+01	2.21678+01	7.18494+01	-1.88752+00	2.30201+00
-3.6	1.123-01	2.24136+00	1.87698+01	2.10111+01	6.97067+01	-1.69886+00	2.24260+00
-3.4	9.257-02	2.19262+00	1.78679+01	2.00605+01	6.77843+01	-1.50841+00	2.19376+00
-3.2	7.582-02	2.15281+00	1.71313+01	1.92841+01	6.60475+01	-1.31637+00	2.15394+00
-3.0	6.178-02	2.12040+00	1.65322+01	1.86526+01	6.44647+01	-1.12296+00	2.12132+00
-2.8	5.012-02	2.09402+00	1.60458+01	1.81398+01	6.30081+01	-9.28390-01	2.09486+00
-2.6	4.052-02	2.07248+00	1.56504+01	1.77225+01	6.16535+01	-7.32480-01	2.07323+00
-2.4	3.266-02	2.05469+00	1.53269+01	1.73816+01	6.03798+01	-5.36630-01	2.05536+00
-2.2	2.628-02	2.03967+00	1.50583+01	1.70980+01	5.91686+01	-3.39820-01	2.04026+00
-2.0	2.112-02	2.02643+00	1.48288+01	1.68553+01	5.80029+01	-1.42640-01	2.02695+00
-1.8	1.696-02	2.01397+00	1.46228+01	1.66368+01	5.68666+01	5.46800-02	2.01442+00
-1.6	1.361-02	2.00112+00	1.44237+01	1.64249+01	5.57430+01	2.51900-01	2.00150+00
-1.4	1.094-02	1.98652+00	1.42128+01	1.61993+01	5.46137+01	4.48720-01	1.98681+00
-1.2	8.810-03	1.96850+00	1.39683+01	1.59368+01	5.34566+01	6.44760-01	1.96868+00
-1.0	7.116-03	1.94516+00	1.36662+01	1.56113+01	5.22549+01	8.39580-01	1.94520+00
-.8	5.777-03	1.91458+00	1.32826+01	1.51971+01	5.09822+01	1.03270+00	1.91444+00
-.6	4.722-03	1.87533+00	1.27993+01	1.46746+01	4.96260+01	1.22370+00	1.87492+00
-.4	3.896-03	1.82701+00	1.22111+01	1.40381+01	4.81849+01	1.41287+00	1.82622+00
-.2	3.250-03	1.77068+00	1.15302+01	1.33008+01	4.66754+01	1.59877+00	1.76933+00
.0	2.746-03	1.70878+00	1.07851+01	1.24935+01	4.51291+01	1.78331+00	1.70641+00
.2	2.352-03	1.64453+00	1.00138+01	1.16583+01	4.35855+01	1.96667+00	1.64115+00
.4	2.040-03	1.58120+00	9.25348+00	1.08347+01	4.20826+01	2.14961+00	1.57601+00
.6	1.790-03	1.52155+00	8.53448+00	1.00560+01	4.06494+01	2.33291+00	1.51363+00
.8	1.584-03	1.46762+00	7.87642+00	9.34404+00	3.93033+01	2.51724+00	1.45556+00
1.0	1.409-03	1.42086+00	7.28888+00	8.70974+00	3.80510+01	2.70318+00	1.40251+00
1.2	1.255-03	1.38249+00	6.7733B+00	8.15586+00	3.68904+01	2.89129+00	1.35449+00
1.4	1.119-03	1.35389+00	6.32608+00	7.67996+00	3.58134+01	3.08221+00	1.31107+00
1.6	9.978-04	1.33718+00	5.94012+00	7.2773C+00	3.48084+01	3.27681+00	1.27160+00
1.8	8.939-04	1.33595+00	5.60756+00	6.94351+00	3.38610+01	3.47641+00	1.23530+00
2.0	8.139-04	1.33605+00	5.32080+00	6.67686+00	3.29554+01	3.68290+00	1.20142+00
2.2	7.755-04	1.40678+00	5.07388+00	6.48066+00	3.20737+01	3.89885+00	1.16927+00

T= 98CC

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.019-12	4.747-15	1.982-13	6.350-17	3.192-29	1.210-26	3.616-26	1.522-10	1.669-12
-6.8	1.[illegible]-11	1.830-14	7.206-13	2.432-16	2.955-20	1.136-25	3.410-25	3.242-10	4.104-12
-6.6	5.833-11	6.738-14	2.705-12	9.324-16	2.729-27	1.052-24	3.120-24	7.852-10	9.804-12
-6.4	2.149-10	2.430-13	9.859-12	3.465-15	2.412-26	8.940-24	2.731-23	1.664-09	2.285-11
-6.2	7.626-10	8.387-13	3.452-11	1.249-14	2.016-25	7.262-23	2.250-22	4.332-09	5.149-11
-6.0	2.584-09	2.734-12	1.147-10	4.319-14	1.567-24	5.423-22	1.713-21	9.715-09	1.111-10
-5.8	8.253-09	8.317-12	3.575-10	1.422-13	1.117-23	3.658-21	1.184-20	2.090-08	2.277-10
-5.6	2.666-08	2.343-11	1.037-09	4.428-13	7.216-23	2.202-20	7.336-20	4.283-08	4.403-10
-5.4	6.041-08	6.101-11	2.788-09	1.300-12	4.212-22	1.177-19	4.069-19	8.326-08	8.029-10
-5.2	1.768-07	1.472-10	6.956-09	3.601-12	2.220-21	5.606-19	1.995-18	1.534-07	1.353-09
-5.0	4.264-07	3.313-10	1.610-08	9.641-12	1.076-20	2.403-18	8.837-18	2.683-07	2.265-09
-4.8	9.569-07	7.019-10	3.537-08	2.353-11	4.790-20	9.381-18	3.559-17	4.470-07	3.545-09
-4.6	2.037-06	1.412-09	7.319-08	5.604-11	1.580-19	3.382-17	1.320-16	7.129-07	5.343-09
-4.4	4.126-06	2.720-09	1.445-07	1.261-10	7.701-19	1.141-16	4.563-16	1.094-06	7.801-09
-4.2	7.997-06	5.056-09	2.746-07	2.825-10	2.876-18	3.619-16	1.487-15	1.623-06	1.109-08
-4.0	1.498-05	9.120-09	5.040-07	6.024-10	1.015-17	1.109-15	4.616-15	2.340-06	1.562-08
-3.8	2.713-05	1.605-08	9.006-07	1.247-09	3.403-17	3.258-15	1.376-14	3.292-06	2.106-08
-3.6	4.758-05	2.770-08	1.573-06	2.511-09	1.137-16	9.280-15	3.968-14	4.540-06	2.836-08
-3.4	8.309-05	4.702-08	2.697-06	4.928-09	3.815-16	2.579-14	1.114-13	6.155-06	3.766-08
-3.2	1.419-04	7.875-08	4.535-06	9.439-09	1.117-15	7.025-14	3.059-13	8.229-06	4.954-08
-3.0	2.376-04	1.309-07	7.595-06	1.769-08	3.363-15	1.833-13	8.252-13	1.088-05	6.483-08
-2.8	3.938-04	2.143-07	1.256-05	3.242-08	9.883-15	4.960-13	2.194-12	1.424-05	8.378-08
-2.6	6.470-04	3.495-07	2.052-05	5.830-08	2.842-14	1.303-12	5.762-12	1.850-05	1.080-07
-2.4	1.055-03	5.668-07	3.337-05	1.030-07	8.011-14	3.381-12	1.499-11	2.387-05	1.387-07
-2.2	1.707-03	9.142-07	5.394-05	1.790-07	2.219-13	8.709-12	3.865-11	3.063-05	1.776-07
-2.0	2.745-03	1.473-06	8.676-05	3.067-07	6.049-13	2.230-11	9.890-11	3.909-05	2.267-07
-1.8	4.306-03	2.363-06	1.389-04	5.188-07	1.627-12	5.676-11	2.512-10	4.962-05	2.891-07
-1.6	6.959-03	3.787-06	2.215-04	8.679-07	4.332-12	1.438-10	6.332-10	6.260-05	3.683-07
-1.4	1.093-02	6.061-06	3.515-04	1.438-06	1.137-11	3.621-10	1.581-09	7.837-05	4.691-07
-1.2	1.704-02	9.700-06	5.548-04	2.362-06	2.961-11	9.063-10	3.902-09	9.714-05	5.979-07
-1.0	2.613-02	1.554-05	8.695-04	3.852-06	7.650-11	2.251-09	9.481-09	1.187-04	7.631-07
-.8	3.932-02	2.492-05	1.351-03	6.234-06	1.960-10	5.536-09	2.257-08	1.424-04	9.757-07
-.6	5.771-02	4.009-05	2.075-03	1.000-05	4.971-10	1.345-08	5.237-08	1.666-04	1.250-06
-.4	8.220-02	6.452-05	3.143-03	1.587-05	1.245-09	3.216-08	1.177-07	1.884-04	1.602-06
-.2	1.131-01	1.041-04	4.683-03	2.477-05	3.060-09	7.557-08	2.551-07	2.061-04	2.051-06
.0	1.501-01	1.679-04	6.850-03	3.774-05	7.328-09	1.740-07	5.316-07	2.159-04	2.613-06
.2	1.919-01	2.704-04	9.827-03	5.560-05	1.692-08	3.923-07	1.065-06	2.166-04	3.302-06
.4	2.360-01	4.331-04	1.381-02	7.846-05	3.732-08	8.649-07	2.051-06	2.085-04	4.125-06
.6	2.829-01	6.882-04	1.903-02	1.053-04	7.801-08	1.826-06	3.809-06	1.933-04	5.090-06
.8	3.283-01	1.082-03	2.570-02	1.341-04	1.540-07	3.940-06	6.835-06	1.740-04	6.206-06
1.0	3.715-01	1.678-03	3.404-02	1.623-04	2.878-07	8.161-06	1.189-05	1.534-04	7.500-06
1.2	4.116-01	2.563-03	4.424-02	1.880-04	5.120-07	1.662-05	2.008-05	1.340-04	9.031-06
1.4	4.473-01	3.842-03	5.643-02	2.102-04	8.747-07	3.345-05	3.302-05	1.175-04	1.091-05
1.6	4.791-01	5.647-03	7.071-02	2.287-04	1.448-06	6.699-05	5.293-05	1.051-04	1.338-05
1.8	5.060-01	8.124-03	8.704-02	2.438-04	2.342-06	1.351-04	8.285-05	9.782-05	1.690-05
2.0	5.310-01	1.142-02	1.053-01	2.561-04	3.735-06	2.797-04	1.267-04	9.746-05	2.250-05
2.2	5.521-01	1.568-02	1.252-01	2.659-04	5.921-06	6.117-04	1.892-04	1.090-04	3.299-05

T= 98CC

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.340-26	4.982-10	6.773-15	1.467-11	3.893-01	1.393-07	1.037-01	1.646-10	2.308-03
-6.8	1.997-25	1.215-09	1.660-14	3.577-11	3.877-01	8.274-08	1.028-01	1.041-10	2.288-03
-6.6	1.181-24	2.926-09	4.064-14	8.591-11	3.852-01	5.271-08	1.014-01	6.583-11	2.257-03
-6.4	6.480-24	6.886-09	9.759-14	2.018-10	3.814-01	3.373-08	9.943-02	4.170-11	2.211-03
-6.2	3.631-23	1.575-08	2.296-13	4.601-10	3.759-01	2.171-08	9.659-02	2.666-11	2.147-03
-6.0	1.690-22	3.464-08	5.258-13	1.008-09	3.679-01	1.408-08	9.274-02	1.683-11	2.060-03
-5.8	7.637-22	7.273-08	1.166-12	2.106-09	3.570-01	9.202-09	8.781-02	1.074-11	1.949-03
-5.6	3.137-21	1.448-07	2.492-12	4.169-09	3.425-01	6.064-09	8.185-02	6.873-12	1.815-03
-5.4	1.167-20	2.726-07	5.124-12	7.800-09	3.243-01	4.024-09	7.505-02	4.417-12	1.663-03
-5.2	3.946-20	4.857-07	1.014-11	1.381-08	3.026-01	2.684-09	6.773-02	2.849-12	1.499-03
-5.0	1.222-19	8.219-07	1.932-11	2.323-08	2.780-01	1.794-09	6.019-02	1.843-12	1.331-03
-4.8	3.507-19	1.327-06	3.559-11	3.730-08	2.513-01	1.200-09	5.274-02	1.194-12	1.165-03
-4.6	9.428-19	2.058-06	6.351-11	5.755-08	2.236-01	8.007-10	4.563-02	7.749-13	1.007-03
-4.4	2.399-18	3.050-06	1.101-10	8.578-08	1.960-01	5.325-10	3.901-02	5.027-13	8.605-04
-4.2	5.836-18	4.473-06	1.856-10	1.242-07	1.694-01	3.525-10	3.300-02	3.258-13	7.276-04
-4.0	1.368-17	6.334-06	3.053-10	1.753-07	1.445-01	2.322-10	2.766-02	2.108-13	6.095-04
-3.8	3.108-17	8.781-06	4.902-10	2.425-07	1.219-01	1.522-10	2.298-02	1.361-13	5.063-04
-3.6	6.891-17	1.196-05	7.695-10	3.294-07	1.018-01	9.930-11	1.896-02	8.770-14	4.176-04
-3.4	1.497-16	1.605-05	1.182-09	4.418-07	8.432-02	6.450-11	1.554-02	5.640-14	3.422-04
-3.2	3.200-16	2.129-05	1.778-09	5.853-07	6.932-02	4.174-11	1.267-02	3.620-14	2.790-04
-3.0	6.749-16	2.796-05	2.623-09	7.687-07	5.664-02	2.693-11	1.029-02	2.320-14	2.265-04
-2.8	1.409-15	3.642-05	3.796-09	1.000-06	4.604-02	1.732-11	8.323-03	1.485-14	1.832-04
-2.6	2.915-15	4.713-05	5.397-09	1.295-06	3.727-02	1.112-11	6.713-03	9.500-15	1.478-04
-2.4	5.991-15	6.067-05	7.549-09	1.668-06	3.007-02	7.129-12	5.402-03	6.074-15	1.189-04
-2.2	1.225-14	7.776-05	1.040-08	2.140-06	2.418-02	4.563-12	4.340-03	3.884-15	9.553-05
-2.0	2.495-14	9.927-05	1.414-08	2.739-06	1.940-02	2.918-12	3.482-03	2.484-15	7.668-05
-1.8	5.065-14	1.263-04	1.901-08	3.498-06	1.552-02	1.864-12	2.793-03	1.591-15	6.151-05
-1.6	1.026-13	1.601-04	2.528-08	4.462-06	1.239-02	1.190-12	2.240-03	1.020-15	4.936-05
-1.4	2.078-13	2.022-04	3.333-08	5.691-06	9.858-03	7.579-13	1.797-03	6.554-16	3.965-05
-1.2	4.205-13	2.541-04	4.361-08	7.264-06	7.814-03	4.817-13	1.445-03	4.225-16	3.190-05
-1.0	8.521-13	3.174-04	5.667-08	9.290-06	6.160-03	3.050-13	1.164-03	2.733-16	2.575-05
-.8	1.731-12	3.930-04	7.312-08	1.192-05	4.819-03	1.919-13	9.402-04	1.776-16	2.085-05
-.6	3.529-12	4.810-04	9.351-08	1.538-05	3.732-03	1.196-13	7.619-04	1.158-16	1.696-05
-.4	7.234-12	5.797-04	1.181-07	1.997-05	2.850-03	7.350-14	6.188-04	7.568-17	1.385-05
-.2	1.493-11	6.852-04	1.462-07	2.616-05	2.139-03	4.432-14	5.028-04	4.941-17	1.133-05
.0	3.107-11	7.914-04	1.759-07	3.463-05	1.572-03	2.610-14	4.076-04	3.209-17	9.269-06
.2	6.519-11	8.906-04	2.035-07	4.632-05	1.129-03	1.497-14	3.285-04	2.065-17	7.562-06
.4	1.378-10	9.760-04	2.241-07	6.261-05	7.919-04	8.355-15	2.626-04	1.313-17	6.141-06
.6	2.926-10	1.043-03	2.336-07	8.533-05	5.438-04	4.561-15	2.080-04	8.265-18	4.964-06
.8	6.227-10	1.091-03	2.308-07	1.169-04	3.672-04	2.455-15	1.636-04	5.178-18	4.004-06
1.0	1.323-09	1.123-03	2.180-07	1.606-04	2.456-04	1.320-15	1.281-04	3.259-18	3.237-06
1.2	2.796-09	1.147-03	1.995-07	2.203-04	1.637-04	7.211-16	1.004-04	2.089-18	2.641-06
1.4	5.876-09	1.173-03	1.803-07	3.016-04	1.101-04	4.083-16	7.937-05	1.388-18	2.196-06
1.6	1.232-08	1.216-03	1.644-07	4.125-04	7.556-05	2.461-16	6.393-05	9.787-19	1.883-06
1.8	2.603-08	1.299-03	1.549-07	5.680-04	5.378-05	1.635-16	5.318-05	7.572-19	1.694-06
2.0	5.669-08	1.464-03	1.558-07	8.[illegible]09-04	4.058-05	1.270-16	4.664-05	6.792-19	1.638-06
2.2	1.334-07	1.813-03	1.756-07	1.201-03	3.376-05	1.293-16	4.475-05	7.911-19	1.779-06

T= 9800

LOG C	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	2.066-08	8.353-05	3.617-09	3.059-02	6.450-03	2.612-03	5.082-05	9.836-04	7.247-06
-6.8	1.292-08	8.390-05	2.317-09	1.989-02	1.007-02	4.041-03	9.144-05	1.565-03	7.642-06
-6.6	8.180-09	8.445-05	1.495-09	1.297-02	1.562-02	6.250-03	1.407-04	2.426-03	7.570-06
-6.4	5.185-09	8.528-05	9.757-10	8.524-03	2.394-02	9.443-03	2.134-04	3.742-03	7.312-06
-6.2	3.293-09	8.647-05	6.462-10	5.678-03	3.613-02	1.411-02	3.174-04	5.453-03	7.054-06
-6.0	2.090-09	8.813-05	4.363-10	3.854-03	5.341-02	2.044-02	4.593-04	7.854-03	6.758-06
-5.8	1.332-09	9.031-05	3.012-10	2.677-03	7.696-02	2.977-02	6.662-04	1.137-02	6.379-06
-5.6	8.521-10	9.303-05	2.131-10	1.906-03	1.075-01	3.906-02	8.767-04	1.492-02	5.926-06
-5.4	5.470-10	9.620-05	1.564-10	1.395-03	1.454-01	5.115-02	1.147-03	1.957-02	5.411-06
-5.2	3.525-10	9.966-05	1.144-10	1.046-03	1.900-01	6.643-02	1.488-03	2.536-02	4.853-06
-5.0	2.278-10	1.031-04	8.614-11	7.997-04	2.400-01	7.994-02	1.787-03	3.031-02	4.263-06
-4.8	1.475-10	1.063-04	6.569-11	6.218-04	2.936-01	9.365-02	2.094-03	3.533-02	3.664-06
-4.6	9.564-11	1.089-04	5.046-11	4.894-04	3.497-01	1.041-01	2.415-03	4.033-02	3.077-06
-4.4	6.200-11	1.105-04	3.885-11	3.884-04	4.083-01	1.220-01	2.724-03	4.511-02	2.531-06
-4.2	4.016-11	1.109-04	2.987-11	3.099-04	4.556-01	1.344-01	3.010-03	4.914-02	2.054-06
-4.0	2.597-11	1.099-04	2.295-11	2.490-04	5.042-01	1.446-01	3.271-03	5.217-02	1.666-06
-3.8	1.676-11	1.074-04	1.735-11	1.988-04	5.493-01	1.571-01	3.502-03	5.423-02	1.337-06
-3.6	1.080-11	1.034-04	1.305-11	1.594-04	5.873-01	1.662-01	3.705-03	5.522-02	1.064-06
-3.4	6.943-12	9.793-05	9.698-12	1.276-04	6.213-01	1.741-01	3.879-03	5.515-02	8.396-07
-3.2	4.456-12	9.137-05	7.119-12	1.024-04	6.503-01	1.807-01	4.026-03	5.404-02	6.633-07
-3.0	2.856-12	8.385-05	5.157-12	8.135-10	6.747-01	1.863-01	4.150-03	5.204-02	5.236-07
-2.8	1.828-12	7.573-05	3.686-12	6.557-10	6.949-01	1.909-01	4.254-03	4.933-02	4.135-07
-2.6	1.164-12	6.735-05	2.600-12	5.242-10	7.116-01	1.949-01	4.339-03	4.612-02	3.265-07
-2.4	7.476-13	5.904-05	1.811-12	4.190-10	7.250-01	1.980-01	4.410-03	4.259-02	2.577-07
-2.2	4.781-13	5.106-05	1.247-12	3.349-10	7.355-01	2.006-01	4.464-03	3.893-02	2.033-07
-2.0	3.059-13	4.362-05	8.490-13	2.675-10	7.434-01	2.024-01	4.504-03	3.535-02	1.604-07
-1.8	1.959-13	3.687-05	5.729-13	2.139-10	7.488-01	2.037-01	4.565-03	3.201-02	1.266-07
-1.6	1.257-13	3.098-05	3.835-13	1.712-10	7.517-01	2.045-01	4.607-03	2.907-02	1.000-07
-1.4	8.083-14	2.585-05	2.551-13	1.372-10	7.526-01	2.048-01	4.650-03	2.654-02	7.896-08
-1.2	5.216-14	2.116-05	1.688-13	1.102-10	7.480-01	2.102-01	4.698-03	2.435-02	6.239-08
-1.0	3.381-14	1.736-05	1.112-13	8.879-11	7.400-01	2.125-01	4.759-03	2.477-02	4.936-08
-.8	2.202-14	1.415-05	7.290-14	7.182-11	7.263-01	2.153-01	4.834-03	1.511-02	3.904-08
-.6	1.442-14	1.145-05	4.746-14	5.835-11	7.057-01	2.190-01	4.934-03	1.534-02	3.090-08
-.4	9.472-15	9.156-06	3.056-14	4.758-11	6.773-01	2.235-01	5.062-03	1.542-02	2.450-08
-.2	6.229-15	7.197-06	1.930-14	3.889-11	6.407-01	2.289-01	5.221-03	1.527-02	1.941-08
.0	4.085-15	5.508-06	1.184-14	3.177-11	5.963-01	2.350-01	5.410-03	1.491-02	1.541-08
.2	2.661-15	4.062-06	6.971-15	2.587-11	5.457-01	2.413-01	5.625-03	1.441-02	1.222-08
.4	1.721-15	2.860-06	3.907-15	2.095-11	4.910-01	2.474-01	5.858-03	1.386-02	9.694-09
.6	1.106-15	1.914-06	2.078-15	1.687-11	4.365-01	2.525-01	6.103-03	1.333-02	7.693-09
.8	7.122-16	1.218-06	1.055-15	1.352-11	3.786-01	2.561-01	6.352-03	1.288-02	6.104-09
1.0	4.641-16	7.435-07	5.189-16	1.083-11	3.251-01	2.575-01	6.598-03	1.253-02	4.844-09
1.2	3.110-16	4.418-07	2.528-16	8.706-12	2.753-01	2.563-01	6.839-03	1.227-02	3.844-09
1.4	2.186-16	2.601-07	1.256-16	7.075-12	2.302-01	2.518-01	7.072-03	1.206-02	3.050-09
1.6	1.656-16	1.547-07	6.587-17	5.853-12	1.901-01	2.434-01	7.294-03	1.189-02	2.419-09
1.8	1.404-16	9.503-08	3.804-17	4.976-12	1.569-01	2.320-01	7.519-03	1.171-02	1.919-09
2.0	1.419-16	6.199-08	2.577-17	4.403-12	1.243-01	2.162-01	7.737-03	1.136-02	1.523-09
2.2	1.931-16	4.452-08	2.309-17	4.161-12	9.790-02	1.961-01	7.954-03	9.087-03	1.208-09

T= 9800

LOG C	E-	Z	E/RT	H/RT	S/R	LOG K	Z*
-7.0	4.954-01	3.94540+00	4.97496+01	5.36948+01	1.25872+02	-4.84983+00	3.94593+00
-6.8	4.929-01	3.92541+00	4.93870+01	5.33124+01	1.23697+02	-4.45106+00	3.92606+00
-6.6	4.890-01	3.89537+00	4.88419+01	5.27372+01	1.21351+02	-4.45437+00	3.89617+00
-6.4	4.832-01	3.85137+00	4.80425+01	5.18938+01	1.18747+02	-4.25931+00	3.85235+00
-6.2	4.747-01	3.78914+00	4.69109+01	5.07006+01	1.15875+02	-4.06638+00	3.79031+00
-6.0	4.628-01	3.70505+00	4.53806+01	4.90857+01	1.12619+02	-3.87613+00	3.70643+00
-5.8	4.468-01	3.59756+00	4.34227+01	4.70203+01	1.08978+02	-3.68891+00	3.59912+00
-5.6	4.263-01	3.46836+00	4.10679+01	4.45362+01	1.04996+02	-3.50486+00	3.47010+00
-5.4	4.011-01	3.32268+00	3.84105+01	4.17332+01	1.00774+02	-3.32343+00	3.32456+00
-5.2	3.720-01	3.16812+00	3.55890+01	3.87571+01	9.64580+01	-3.14412+00	3.17008+00
-5.0	3.396-01	3.01286+00	3.27528+01	3.57657+01	9.21988+01	-2.96594+00	3.01486+00
-4.8	3.053-01	2.86401+00	3.00322+01	3.28962+01	8.81252+01	-2.78795+00	2.86600+00
-4.6	2.704-01	2.72673+00	2.75215+01	3.02482+01	8.43276+01	-2.60328+00	2.72967+00
-4.4	2.360-01	2.60401+00	2.52757+01	2.78797+01	8.08550+01	-2.42928+00	2.60587+00
-4.2	2.032-01	2.49699+00	2.33163+01	2.58133+01	7.77218+01	-2.26750+00	2.49875+00
-4.0	1.729-01	2.40548+00	2.16401+01	2.40455+01	7.49174+01	-2.06372+00	2.40712+00
-3.8	1.455-01	2.32842+00	2.02281+01	2.25565+01	7.24160+01	-1.87786+00	2.32993+00
-3.6	1.213-01	2.26430+00	1.90530+01	2.13173+01	7.01838+01	-1.68999+00	2.26569+00
-3.4	1.003-01	2.21144+00	1.80841+01	2.02955+01	6.81849+01	-1.50026+00	2.21271+00
-3.2	8.239-02	2.16816+00	1.72908+01	1.94590+01	6.63835+01	-1.30883+00	2.16931+00
-3.0	6.728-02	2.13287+00	1.66445+01	1.87774+01	6.47471+01	-1.11596+00	2.13331+00
-2.8	5.467-02	2.10415+00	1.61194+01	1.82236+01	6.32467+01	-9.21840-01	2.10503+00
-2.6	4.427-02	2.08072+00	1.56928+01	1.77735+01	6.18566+01	-7.26710-01	2.08157+00
-2.4	3.573-02	2.06146+00	1.53446+01	1.74068+01	6.05548+01	-5.30740-01	2.06222+00
-2.2	2.878-02	2.04533+00	1.50571+01	1.71024+01	5.93218+01	-3.34160-01	2.04601+00
-2.0	2.314-02	2.03134+00	1.48140+01	1.68454+01	5.81402+01	-1.37140-01	2.03194+00
-1.8	1.859-02	2.01948+00	1.45999+01	1.66182+01	5.69934+01	6.01030-02	2.01894+00
-1.6	1.493-02	2.00961+00	1.43979+01	1.64035+01	5.58650+01	2.57330-01	2.00635+00
-1.4	1.200-02	1.99143+00	1.41904+01	1.61818+01	5.47370+01	4.54250-01	1.99177+00
-1.2	9.656-03	1.97434+00	1.39564+01	1.59307+01	5.35897+01	6.50500-01	1.97457+00
-1.0	7.794-03	1.95248+00	1.36723+01	1.56267+01	5.24012+01	8.45670-01	1.95256+00
-.8	6.319-03	1.92399+00	1.33138+01	1.52377+01	5.11459+01	1.03926+00	1.92374+00
-.6	5.156-03	1.88635+00	1.28608+01	1.47477+01	4.98190+01	1.23084+00	1.88657+00
-.4	4.242-03	1.84092+00	1.23037+01	1.41447+01	4.84033+01	1.42012+00	1.84016+00
-.2	3.527-03	1.78647+00	1.16500+01	1.34365+01	4.69141+01	1.60707+00	1.78513+00
.0	2.970-03	1.72570+00	1.09240+01	1.26497+01	4.53793+01	1.792 +00	1.72353+00
.2	2.533-03	1.66172+00	1.01617+01	1.18234+01	4.38369+01	1.97564+00	1.65832+00
.4	2.190-03	1.59787+00	9.40092+00	1.09988+01	4.23257+01	2.15862+00	1.59263+00
.6	1.915-03	1.53710+00	8.67401+00	1.02111+01	4.08771+01	2.34178+00	1.52911+00
.8	1.690-03	1.48171+00	8.00330+00	9.48501+00	3.95116+01	2.52584+00	1.46955+00
1.0	1.501-03	1.43335+00	7.40074+00	8.83409+00	3.82381+01	2.71143+00	1.41485+00
1.2	1.337-03	1.39339+00	6.86971+00	8.26316+00	3.70556+01	2.89915+00	1.36513+00
1.4	1.192-03	1.36332+00	6.40760+00	7.77091+00	3.59602+01	3.08964+00	1.32026+00
1.6	1.064-03	1.34532+00	6.00823+00	7.35355+00	3.49376+01	3.28339+00	1.27941+00
1.8	9.550-04	1.34296+00	5.66397+00	7.00693+00	3.39751+01	3.4831 +00	1.24191+00
2.0	8.720-04	1.36210+00	5.36727+00	6.72937+00	3.30566+01	3.68329+00	1.20622+00
2.2	8.344-04	1.41197+00	5.11211+00	6.52407+00	3.21641+01	3.90499+00	1.17333+00

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.477-12	3.186-15	1.223-13	4.049-17	1.595-29	6.409-27	1.849-26	1.001-10	1.327-12
-6.8	9.599-12	1.272-14	4.713-13	1.571-16	1.523-28	6.076-26	1.759-25	2.465-10	3.240-12
-6.6	3.649-11	4.660-14	1.784-12	6.013-16	1.419-27	5.666-25	1.631-24	6.004-10	7.758-12
-6.4	1.359-10	1.663-13	6.587-12	2.257-15	1.276-26	4.954-24	1.455-23	1.440-09	1.837-11
-6.2	4.904A-10	5.919-13	2.346-11	8.238-15	1.092-25	4.137-23	1.231-22	3.376-09	4.199-11
-6.0	1.695-09	1.976-12	7.971-11	2.699-14	8.753-25	3.201-22	9.696-22	7.683-09	9.225-11
-5.8	5.552-09	6.183-12	2.552-10	9.760-14	6.663-24	2.252-21	6.976-21	1.682-08	1.930-10
-5.6	1.705-08	1.756-11	7.521-10	3.101-13	4.342-23	1.419-20	4.520-20	3.518-08	3.819-10
-5.4	4.875-08	4.822-11	2.112-09	9.317-13	2.637-22	7.948-20	2.613-19	6.989-08	7.122-10
-5.2	1.295-07	1.198-10	5.424-09	2.639-12	1.448-21	3.958-19	1.364-18	1.316-07	1.263-09
-5.0	3.203-07	2.766-10	1.296-08	7.061-12	7.233-21	1.766-18	6.213-18	2.350-07	2.091-09
-4.8	7.407-07	5.993-10	2.902-08	1.793-11	3.318-20	7.141-18	2.596-17	3.991-07	3.327-09
-4.6	1.612-06	1.229-09	6.130-08	4.340-11	1.412-19	2.652-17	9.936-17	6.476-07	5.084-09
-4.4	3.328-06	2.405-09	1.232-07	1.007-10	5.635-19	9.169-17	3.527-16	1.009-06	7.508-09
-4.2	6.563-06	4.528-09	2.374-07	2.249-10	2.127-18	2.986-16	1.175-15	1.516-06	1.078-08
-4.0	1.245-05	8.254-09	4.615-07	4.851-10	7.648-18	9.256-16	3.716-15	2.210-06	1.511-08
-3.8	2.284-05	1.466-08	7.971-07	1.014-09	2.637-17	2.758-15	1.125-14	3.140-06	2.077-08
-3.6	4.079-05	2.569-08	1.404-06	2.060-09	8.759-17	7.939-15	3.284-14	4.364-06	2.809-08
-3.4	7.122-05	4.352-08	2.425-06	4.076-09	2.814-16	2.226-14	9.313-14	5.956-06	3.749-08
-3.2	1.220-04	7.324-08	4.117-06	7.964-09	8.776-16	6.110-14	2.579-13	8.006-06	4.950-08
-3.0	2.059-04	1.219-07	6.858-06	1.483-08	2.663-15	1.667-13	7.002-13	1.063-05	6.478-08
-2.8	3.431-04	2.007-07	1.143-05	2.735-08	7.838-15	4.378-13	1.872-12	1.397-05	8.418-08
-2.6	5.658-04	3.292-07	1.877-05	4.947-08	2.280-14	1.150-12	4.938-12	1.820-05	1.088-07
-2.4	9.249-04	5.333-07	3.059-05	8.751-08	6.483-14	2.994-12	1.289-11	2.355-05	1.389-07
-2.2	1.501-03	8.625-07	4.955-05	1.533-07	1.799-13	7.731-12	3.335-11	3.028-05	1.793-07
-2.0	2.419-03	1.389-06	7.985-05	2.636-07	4.925-13	1.984-11	8.557-11	3.873-05	2.292-07
-1.8	3.874-03	2.232-06	1.281-04	4.474-07	1.329-12	5.060-11	2.179-10	4.926-05	2.924-07
-1.6	6.162-03	3.578-06	2.045-04	7.505-07	3.543-12	1.284-10	5.507-10	6.229-05	3.727-07
-1.4	9.721-03	5.736-06	3.250-04	1.246-06	9.340-12	3.239-10	1.379-09	7.820-05	4.749-07
-1.2	1.518-02	9.171-06	5.139-04	2.052-06	2.439-11	8.124-10	3.416-09	9.726-05	6.053-07
-1.0	2.339-02	1.469-05	8.071-04	3.353-06	6.316-11	2.022-09	8.340-09	1.194-04	7.725-07
-.8	3.539-02	2.354-05	1.257-03	5.438-06	1.622-10	4.988-09	1.998-08	1.441-04	9.877-07
-.6	5.237-02	3.781-05	1.937-03	8.749-06	4.125-10	1.216-08	4.669-08	1.699-04	1.265-06
-.4	7.514-02	6.006-05	2.945-03	1.393-05	1.037-09	2.920-08	1.056-07	1.944-04	1.623-06
-.2	1.044-01	9.412-05	4.407-03	2.186-05	2.564-09	6.893-08	2.316-07	2.147-04	2.080-06
.0	1.398-01	1.582-04	6.477-03	3.355-05	6.168-09	1.595-07	4.876-07	2.277-04	2.656-06
.2	1.805-01	2.544-04	9.337-03	4.695-05	1.445-08	3.615-07	9.863-07	2.314-04	3.367-06
.4	2.246-01	4.083-04	1.319-02	7.143-05	3.230-08	8.012-07	1.918-06	2.256-04	4.226-06
.6	2.707-01	6.495-04	1.826-02	9.731-05	6.854-08	1.737-06	3.592-06	2.118-04	5.240-06
.8	3.165-01	1.023-03	2.476-02	1.258-04	1.375-07	3.687-06	6.497-06	1.927-04	6.422-06
1.0	3.604-01	1.590-03	3.293-02	1.544-04	2.607-07	7.673-06	1.138-05	1.715-04	7.799-06
1.2	4.013-01	2.433-03	4.296-02	1.811-04	4.698-07	1.570-05	1.934-05	1.509-04	9.435-06
1.4	4.383-01	3.657-03	5.500-02	2.044-04	8.112-07	3.174-05	3.197-05	1.332-04	1.145-05
1.6	4.713-01	5.391-03	6.915-02	2.241-04	1.354-06	6.384-05	5.150-05	1.197-04	1.410-05
1.8	5.002-01	7.779-03	8.539-02	2.402-04	2.205-06	1.293-04	8.096-05	1.119-04	1.788-05
2.0	5.256-01	1.098-02	1.036-01	2.534-04	3.536-06	2.689-04	1.243-04	1.120-04	2.393-05
2.2	5.475-01	1.512-02	1.235-01	2.639-04	5.631-06	5.906-04	1.862-04	1.259-04	3.532-05

T= 9900

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.324-26	3.654-10	5.168-15	1.207-11	3.898-01	1.879-07	1.040-01	2.542-10	2.315-03
-6.8	1.401-25	8.960-10	1.277-14	2.956-11	3.884-01	1.192-07	1.032-01	1.606-10	2.298-03
-6.6	8.246-25	2.189-09	3.125-14	7.149-11	3.864-01	7.585-08	1.020-01	1.016-10	2.273-03
-6.4	4.808-24	5.152-09	7.551-14	1.696-10	3.832-01	4.845-08	1.003-01	6.429-11	2.235-03
-6.2	2.538-23	1.164-08	1.792-13	3.916-10	3.784-01	3.111-08	9.778-02	4.076-11	2.180-03
-6.0	1.268-22	2.669-08	4.169-13	8.724-10	3.715-01	2.011-08	9.433-02	2.589-11	2.106-03
-5.8	6.028-22	5.713-08	9.322-13	1.959-09	3.619-01	1.310-08	8.981-02	1.649-11	2.005-03
-5.6	2.573-21	1.162-07	2.022-12	3.760-09	3.489-01	8.610-09	8.422-02	1.056-11	1.882-03
-5.4	9.950-21	2.237-07	4.219-12	7.193-09	3.322-01	5.700-09	7.770-02	6.760-12	1.738-03
-5.2	3.490-20	4.072-07	8.663-12	1.301-08	3.119-01	3.795-09	7.053-02	4.352-12	1.579-03
-5.0	1.117-19	7.028-07	1.636-11	2.232-08	2.884-01	2.536-09	6.303-02	2.811-12	1.413-03
-4.8	3.299-19	1.155-06	3.051-11	3.647-08	2.624-01	1.697-09	5.551-02	1.820-12	1.246-03
-4.6	9.085-19	1.819-06	5.503-11	5.712-08	2.350-01	1.134-09	4.825-02	1.180-12	1.084-03
-4.4	2.359-18	2.759-06	9.640-11	8.625-08	2.072-01	7.553-10	4.142-02	7.656-13	9.310-04
-4.2	5.835-18	4.053-06	1.641-10	1.262-07	1.801-01	5.011-10	3.518-02	4.964-13	7.912-04
-4.0	1.386-17	5.794-06	2.721-10	1.799-07	1.544-01	3.309-10	2.958-02	3.214-13	6.657-04
-3.8	3.186-17	8.096-06	4.404-10	2.507-07	1.309-01	2.174-10	2.466-02	2.077-13	5.552-04
-3.6	7.128-17	1.110-05	6.963-10	3.430-07	1.097-01	1.421-10	2.040-02	1.339-13	4.594-04
-3.4	1.560-16	1.498-05	1.077-09	4.622-07	9.116-02	9.249-11	1.676-02	8.622-14	3.776-04
-3.2	3.355-16	1.996-05	1.630-09	6.191-07	7.517-02	5.996-11	1.370-02	5.539-14	3.086-04
-3.0	7.111-16	2.631-05	2.417-09	8.101-07	6.157-02	3.874-11	1.114-02	3.553-14	2.510-04
-2.8	1.490-15	3.438-05	3.517-09	1.059-06	5.016-02	2.496-11	9.022-03	2.277-14	2.034-04
-2.6	3.093-15	4.460-05	5.026-09	1.373-06	4.067-02	1.605-11	7.285-03	1.457-14	1.643-04
-2.4	6.374-15	5.754-05	7.061-09	1.772-06	3.286-02	1.030-11	5.868-03	9.323-15	1.323-04
-2.2	1.306-14	7.387-05	9.770-09	2.277-06	2.646-02	6.598-12	4.718-03	5.965-15	1.064-04
-2.0	2.664-14	9.445-05	1.333-08	2.917-06	2.125-02	4.224-12	3.788-03	3.817-15	8.548-05
-1.8	5.415-14	1.203-04	1.797-08	3.729-06	1.702-02	2.701-12	3.039-03	2.445-15	6.861-05
-1.6	1.098-13	1.528-04	2.397-08	4.760-06	1.360-02	1.726-12	2.438-03	1.568-15	5.507-05
-1.4	2.225-13	1.932-04	3.168-08	6.074-06	1.084-02	1.101-12	1.957-03	1.008-15	4.424-05
-1.2	4.504-13	2.433-04	4.154-08	7.752-06	8.603-03	7.012-13	1.573-03	6.499-16	3.559-05
-1.0	9.125-13	3.045-04	5.409-08	9.911-06	6.796-03	4.450-13	1.266-03	4.205-16	2.871-05
-.8	1.852-12	3.792-04	6.996-08	1.271-05	5.332-03	2.810-13	1.023-03	2.733-16	2.324-05
-.6	3.772-12	4.647-04	8.977-08	1.637-05	4.144-03	1.759-13	8.285-04	1.784-16	1.890-05
-.4	7.719-12	5.630-04	1.139-07	2.121-05	3.180-03	1.088-13	6.731-04	1.168-16	1.543-05
-.2	1.590-11	6.696-04	1.421-07	2.772-05	2.400-03	6.614-14	5.476-04	7.649-17	1.263-05
.0	3.299-11	7.791-04	1.727-07	3.657-05	1.777-03	3.936-14	4.448-04	4.992-17	1.035-05
.2	6.900-11	8.840-04	2.026-07	4.876-05	1.286-03	2.283-14	3.594-04	3.234-17	8.470-06
.4	1.454-10	9.771-04	2.269-07	6.568-05	9.096-04	1.290-14	2.885-04	2.073-17	6.903-06
.6	3.081-10	1.053-03	2.410-07	8.925-05	6.297-04	7.130-15	2.295-04	1.317-17	5.603-06
.8	6.545-10	1.110-03	2.427-07	1.220-04	4.284-04	3.882-15	1.813-04	8.318-18	4.537-06
1.0	1.389-09	1.151-03	2.331-07	1.674-04	2.881-04	2.109-15	1.426-04	5.277-18	3.682-06
1.2	2.939-09	1.183-03	2.165-07	2.297-04	1.932-04	1.161-15	1.122-04	3.406-18	3.014-06
1.4	6.189-09	1.216-03	1.979-07	3.147-04	1.305-04	6.624-16	8.900-05	2.277-18	2.512-06
1.6	1.301-08	1.267-03	1.820-07	4.313-04	8.598-05	4.017-16	7.190-05	1.615-18	2.159-06
1.8	2.761-08	1.358-03	1.727-07	5.956-04	6.414-05	2.687-16	5.998-05	1.257-18	1.945-06
2.0	6.045-08	1.537-03	1.747-07	8.431-04	4.853-05	2.104-16	5.276-05	1.138-18	1.885-06
2.2	1.432-07	1.913-03	1.983-07	1.272-03	4.052-05	2.173-16	5.084-05	1.345-18	2.055-06

T= 9900

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.849-09	8.342-05	4.895-03	3.954-C7	5.378-03	2.196-03	4.426-05	8.470-08	7.196-06
-6.8	1.832-09	8.373-05	3.128-03	2.574-C7	8.419-03	2.424-03	7.527-05	1.336-07	7.366-06
-6.6	1.159-09	8.420-05	2.012-09	1.629-C7	1.309-C2	5.294-03	1.164-04	2.100-07	7.506-06
-6.4	7.339-09	8.490-05	1.307-09	1.100-C7	2.017-C2	8.082-03	1.778-04	3.269-07	7.636-06
-6.2	4.654-09	8.593-05	8.594-10	7.245-C8	3.065-C2	1.212-02	2.668-04	5.122-07	7.786-06
-6.0	2.959-09	8.738-05	5.757-10	4.907-C8	4.572-C2	1.777-02	3.913-04	7.914-07	7.966-06
-5.8	1.886-09	8.933-05	3.937-10	3.374-C8	6.660-C2	2.530-02	5.576-04	1.210-06	8.197-06
-5.6	1.206-09	9.181-05	2.754-10	2.391-C8	9.627-C2	3.484-02	7.684-04	1.826-06	8.499-06
-5.4	7.746-10	9.479-05	1.937-10	1.724-C8	1.392-01	4.627-02	1.022-03	2.714-06	8.867-06
-5.2	4.942-10	9.812-05	1.454-10	1.280-C8	1.912-01	5.924-02	1.310-03	3.964-06	9.268-06
-5.0	3.228-10	1.018-04	1.087-10	9.713-C9	2.592-01	7.344-02	1.623-03	5.682-06	9.741-06
-4.8	2.042-10	1.048-04	8.295-11	7.527-C9	2.716-01	8.795-02	1.969-03	7.936-06	1.025-05
-4.6	1.358-10	1.076-04	6.319-11	5.493-C9	3.263-01	1.026-01	2.273-03	1.109-05	1.078-05
-4.4	8.815-11	1.095-04	4.853-11	4.455-C9	3.813-01	1.167-01	2.549-03	1.483-05	1.130-05
-4.2	5.719-11	1.103-04	3.736-11	3.727-C9	4.347-01	1.300-01	2.806-03	1.960-05	1.181-05
-4.0	3.704-11	1.098-04	2.862-11	2.964-C9	4.850-01	1.422-01	3.054-03	2.556-05	1.228-05
-3.8	2.345-11	1.077-04	2.177-11	2.375-C9	5.309-01	1.532-01	3.303-03	3.276-05	1.271-05
-3.6	1.545-11	1.041-04	1.661-11	1.954-C9	5.721-01	1.628-01	3.619-03	3.935-05	1.310-05
-3.4	9.950-12	9.913-05	1.226-11	1.527-C9	6.080-01	1.711-01	3.805-03	4.665-05	1.343-05
-3.2	6.394-12	9.237-05	9.011-12	1.224-C9	6.390-01	1.782-01	3.964-03	5.810-05	1.372-05
-3.0	4.103-12	8.560-05	6.555-12	9.821-10	6.652-01	1.842-01	4.098-03	6.806-05	1.397-05
-2.8	2.629-12	7.764-05	4.703-12	7.844-10	6.871-01	1.892-01	4.211-03	7.828-05	1.418-05
-2.6	1.693-12	6.933-05	3.329-12	6.274-10	7.051-01	1.936-01	4.306-03	8.947-05	1.435-05
-2.4	1.077-12	6.101-05	2.327-12	5.014-10	7.196-01	1.968-01	4.381-03	9.835-05	1.450-05
-2.2	6.893-13	5.295-05	1.607-12	4.009-10	7.314-01	1.996-01	4.445-03	1.077-04	1.462-05
-2.0	4.413-13	4.538-05	1.099-12	3.204-10	7.403-01	2.020-01	4.499-03	1.163-04	1.473-05
-1.8	2.828-13	3.844-05	7.428-13	2.562-10	7.466-01	2.040-01	4.547-03	1.241-04	1.482-05
-1.6	1.815-13	3.229-05	4.985-13	2.050-10	7.503-01	2.059-01	4.590-03	1.311-04	1.492-05
-1.4	1.168-13	2.688-05	3.324-13	1.643-10	7.512-01	2.077-01	4.634-03	1.371-04	1.503-05
-1.2	7.536-14	2.222-05	2.204-13	1.319-10	7.498-01	2.095-01	4.681-03	1.423-04	1.515-05
-1.0	4.885-14	1.826-05	1.456-13	1.062-10	7.461-01	2.117-01	4.738-03	1.468-04	1.531-05
-.8	3.142-14	1.492-05	9.589-14	8.589-11	7.401-01	2.144-01	4.810-03	1.503-04	1.552-05
-.6	2.044-14	1.210-05	6.256-14	6.973-11	7.315-01	2.179-01	4.904-03	1.530-04	1.581-05
-.4	1.372-14	9.728-06	4.052-14	5.684-11	6.853-01	2.221-01	5.024-03	1.543-04	1.619-05
-.2	9.647-15	7.669-06	2.563-14	4.650-11	6.508-01	2.272-01	5.176-03	1.534-04	1.666-05
.0	5.961-15	5.952-06	1.605-14	3.805-11	6.084-01	2.331-01	5.358-03	1.500-04	1.724-05
.2	3.909-15	4.449-06	9.617-15	3.107-11	5.593-01	2.373-01	5.567-03	1.424-04	1.791-05
.4	2.547-15	3.185-06	5.503-15	2.525-11	5.056-01	2.453-01	5.798-03	1.302-04	1.864-05
.6	1.651-15	2.170-06	2.993-15	2.041-11	4.492-01	2.500-01	6.041-03	1.139-04	1.942-05
.8	1.072-15	1.407-06	1.556-15	1.649-11	3.929-01	2.544-01	6.291-03	9.486-05	2.022-05
1.0	7.034-16	8.732-07	7.956-16	1.321-11	3.385-01	2.562-01	6.540-03	7.560-05	2.102-05
1.2	4.742-16	5.280-07	3.843-16	1.065-11	2.876-01	2.553-01	6.784-03	5.752-05	2.180-05
1.4	3.351-16	3.129-07	1.945-16	8.640-12	2.412-01	2.513-01	7.022-03	4.245-05	2.256-05
1.6	2.551-16	1.878-07	1.030-16	7.137-12	1.996-01	2.439-01	7.253-03	3.054-05	2.330-05
1.8	2.175-16	1.159-07	6.003-17	6.137-12	1.630-01	2.324-01	7.478-03	2.155-05	2.403-05
2.0	2.213-16	7.580-08	4.106-17	5.437-12	1.310-01	2.170-01	7.700-03	1.645-05	2.474-05
2.2	3.053-16	5.480-08	3.734-17	5.157-12	1.032-01	1.973-01	7.922-03	1.014-05	2.545-05

T= 9900

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.962-01	3.95127+C0	4.94212+01	5.33725+01	1.26047+02	-4.84377+00	3.95182+00
-6.8	4.940-01	3.93437+C0	4.91180+01	5.30523+01	1.25928+02	-4.84564+00	3.93502+00
-6.6	4.907-01	3.90877+C0	4.86594+01	5.25847+01	1.25742+02	-4.84847+00	3.90967+00
-6.4	4.858-01	3.87085+C0	4.79764+01	5.18473+01	1.25458+02	-4.85270+00	3.87183+00
-6.2	4.785-01	3.81161+C0	4.69965+01	5.08125+01	1.25038+02	-4.85886+00	3.81754+00
-6.0	4.681-01	3.74141+C0	4.56454+01	4.93866+01	1.24395+02	-4.86744+00	3.74281+00
-5.8	4.538-01	3.66330+C0	4.38763+01	4.75196+01	1.23479+02	-4.87902+00	3.66491+00
-5.6	4.351-01	3.57237+C0	4.16962+01	4.52165+01	1.22242+02	-4.89366+00	3.57419+00
-5.4	4.117-01	3.38252+C0	3.91686+01	4.25505+01	1.20192+02	-4.91127+00	3.38449+00
-5.2	3.841-01	3.23056+C0	3.64220+01	3.96826+01	9.74566+01	-4.93123+00	3.23245+00
-5.0	3.529-01	3.07469+C0	3.36026+01	3.66773+01	9.33856+01	-4.95271+00	3.07643+00
-4.8	3.193-01	2.92256+C0	3.08495+01	3.37720+01	8.92516+01	-4.97475+00	2.92472+00
-4.6	2.844-01	2.78020+C0	2.82713+01	3.10515+01	8.53606+01	-4.99644+00	2.78232+00
-4.4	2.497-01	2.65143+C0	2.59378+01	2.85893+01	8.17771+01	-5.01703+00	2.65348+00
-4.2	2.162-01	2.53809+C0	2.34829+01	2.64706+01	7.85278+01	-5.03600+00	2.54003+00
-4.0	1.848-01	2.44065+C0	2.21117+01	2.45521+01	7.56110+01	-5.05304+00	2.44227+00
-3.9	1.562-01	2.35775+C0	2.06110+01	2.29688+01	7.30062+01	-5.86801+00	2.35945+00
-3.6	1.307-01	2.28864+C0	1.93564+01	2.16455+01	7.06822+01	-5.88093+00	2.29020+00
-3.4	1.084-01	2.23146+C0	1.83183+01	2.05697+01	6.86038+01	-5.49192+00	2.23288+00
-3.2	8.930-02	2.18451+C0	1.74680+01	1.96506+01	6.67351+01	-1.30116+00	2.18582+00
-3.0	7.308-02	2.14619+C0	1.67704+01	1.89166+01	6.50426+01	-1.10484+00	2.14736+00
-2.8	5.951-02	2.11496+C0	1.62046+01	1.83196+01	6.34960+01	-9.15210-01	2.11603+00
-2.6	4.829-02	2.08952+C0	1.57449+01	1.78344+01	6.20683+01	-7.20460-01	2.09049+00
-2.4	3.900-02	2.06866+C0	1.53703+01	1.74389+01	6.07364+01	-5.26870-01	2.06952+00
-2.2	3.144-02	2.05131+C0	1.50623+01	1.71136+01	5.94759+01	-3.34680-01	2.05208+00
-2.0	2.530-02	2.03666+C0	1.48042+01	1.68407+01	5.82807+01	-1.31640-01	2.03713+00
-1.8	2.034-02	2.02309+C0	1.45801+01	1.66032+01	5.71218+01	5.55000-02	2.02366+00
-1.6	1.634-02	2.01007+C0	1.43734+01	1.63838+01	5.59868+01	2.62700-01	2.01057+00
-1.4	1.313-02	1.99616+C0	1.41476+01	1.61436+01	5.48582+01	4.59490-01	1.99654+00
-1.2	1.057-02	1.97983+C0	1.38416+01	1.58214+01	5.37165+01	6.56120-01	1.98011+00
-1.0	8.524-03	1.95925+C0	1.36728+01	1.56321+01	5.25606+01	8.51580-01	1.95939+00
-.8	6.903-03	1.93269+C0	1.33369+01	1.52694+01	5.13083+01	1.04560+00	1.93242+00
-.6	5.623-03	1.89774+C0	1.29121+01	1.48039+01	5.00012+01	1.23772+00	1.89739+00
-.4	4.616-03	1.85333+C0	1.23855+01	1.42395+01	4.86104+01	1.42760+00	1.85325+00
-.2	3.827-03	1.80151+C0	1.17595+01	1.35610+01	4.71425+01	1.61513+00	1.80017+00
.0	3.211-03	1.74206+C0	1.10544+01	1.27966+01	4.56212+01	1.80255+00	1.73943+00
.2	2.722-03	1.67856+C0	1.03034+01	1.19819+01	4.40825+01	1.98443+00	1.67515+00
.4	2.350-03	1.61438+C0	9.54645+00	1.11588+01	4.25654+01	2.16750+00	1.60911+00
.6	2.068-03	1.55266+C0	8.81158+00	1.03662+01	4.11035+01	2.35057+00	1.54440+00
.8	1.853-03	1.49590+C0	8.12961+00	9.62552+00	3.97156+01	2.53433+00	1.48364+00
1.0	1.698-03	1.44400+C0	7.51294+00	8.95894+00	3.84246+01	2.71966+00	1.42735+00
1.2	1.622-03	1.40447+C0	6.96689+00	8.37137+00	3.72240+01	2.90700+00	1.37698+00
1.4	1.268-03	1.37293+C0	6.49017+00	7.86311+00	3.61062+01	3.09714+00	1.32961+00
1.6	1.133-03	1.35361+C0	6.07742+00	7.43104+00	3.50642+01	3.29098+00	1.28736+00
1.8	1.019-03	1.35011+C0	5.72137+00	7.07144+00	3.40913+01	3.48956+00	1.24865+00
2.0	9.328-04	1.34826+C0	5.41659+00	6.78284+00	3.31850+01	3.69366+00	1.21266+00
2.2	8.963-04	1.41724+00	5.15105+00	6.56829+00	3.22551+01	3.91033+00	1.17567+00

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LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.541-12	2.149-15	8.005-14	2.599-17	8.206-30	3.427-27	9.537-27	7.611-11	1.045-12
-6.8	5.958-12	8.292-15	3.109-13	1.013-16	7.891-29	3.276-26	9.144-26	1.480-10	2.563-12
-6.6	2.296-11	3.147-14	1.182-12	3.899-16	7.431-28	3.056-25	8.580-25	4.401-10	6.207-12
-6.4	8.632-11	1.165-13	4.413-12	1.476-15	6.786-27	2.752-24	7.705-24	1.111-09	1.475-11
-6.2	3.160-10	4.167-13	1.596-11	5.450-15	5.930-26	2.355-23	6.739-23	2.630-09	3.415-11
-6.0	1.112-09	1.421-12	5.531-11	1.947-14	4.883-25	1.801-22	5.469-22	6.043-09	7.626-11
-5.8	3.727-09	4.565-12	1.814-10	6.665-14	3.727-24	1.376-21	4.085-21	1.369-08	1.627-10
-5.6	1.175-08	1.366-11	5.572-10	2.168-13	2.599-23	9.057-21	2.761-20	2.876-08	3.291-10
-5.4	3.458-08	3.779-11	1.580-09	6.661-13	1.641-22	5.312-20	1.670-19	5.836-08	6.276-10
-5.2	9.460-08	9.683-11	4.265-09	1.929-12	9.350-22	2.767-19	8.997-19	1.122-07	1.129-09
-5.0	2.406-07	2.293-10	1.033-08	5.270-12	4.841-21	1.256-18	4.331-18	2.046-07	1.929-09
-4.8	5.709-07	5.074-10	2.370-08	1.366-11	2.290-20	5.395-18	1.879-17	3.586-07	3.107-09
-4.6	1.272-06	1.063-09	5.115-08	3.359-11	1.001-19	2.067-17	7.430-17	5.852-07	4.817-09
-4.4	2.678-06	2.116-09	1.047-07	7.910-11	4.286-19	7.336-17	2.713-16	9.259-07	7.199-09
-4.2	5.375-06	4.033-09	2.049-07	1.730-10	1.572-18	2.441-16	9.255-16	1.411-06	1.044-08
-4.0	1.036-05	7.449-09	3.861-07	3.906-10	5.746-18	7.704-16	2.984-15	2.061-06	1.475-08
-3.8	1.927-05	1.330-08	7.047-07	8.252-10	2.010-17	2.327-15	9.176-15	2.985-06	2.042-08
-3.6	3.468-05	2.330-08	1.253-06	1.692-09	6.758-17	6.785-15	2.715-14	4.184-06	2.778-08
-3.4	6.106-05	4.019-08	2.179-06	3.375-09	2.195-16	1.921-14	7.783-14	5.749-06	3.726-08
-3.2	1.054-04	6.799-08	3.723-06	6.561-09	6.907-16	5.314-14	2.174-13	7.773-06	4.938-08
-3.0	1.780-04	1.136-07	6.268-06	1.245-08	2.113-15	1.462-13	5.946-13	1.037-05	6.483-08
-2.8	2.993-04	1.877-07	1.043-05	2.312-08	6.298-15	3.857-13	1.599-12	1.368-05	8.446-08
-2.6	4.955-04	3.078-07	1.718-05	4.204-08	1.834-14	1.016-12	4.238-12	1.788-05	1.094-07
-2.4	8.127-04	5.013-07	2.808-05	7.500-08	5.229-14	2.654-12	1.111-11	2.320-05	1.409-07
-2.2	1.322-03	8.121-07	4.558-05	1.315-07	1.462-13	6.873-12	2.882-11	2.991-05	1.808-07
-2.0	2.136-03	1.310-06	7.359-05	2.270-07	4.021-13	1.767-11	7.417-11	3.833-05	2.314-07
-1.8	3.429-03	2.107-06	1.182-04	3.866-07	1.089-12	4.518-11	1.894-10	4.895-05	2.955-07
-1.6	5.466-03	3.380-06	1.891-04	6.504-07	2.913-12	1.148-10	4.799-10	6.191-05	3.769-07
-1.4	8.647-03	5.414-06	3.010-04	1.083-06	7.701-12	2.903-10	1.205-09	7.743-05	4.804-07
-1.2	1.355-02	8.667-06	4.766-04	1.787-06	2.016-11	7.294-10	2.995-09	9.723-05	6.125-07
-1.0	2.095-02	1.368-05	7.500-04	2.925-06	5.232-11	1.820-09	7.344-09	1.199-04	7.817-07
-.8	3.187-02	2.224-05	1.171-03	4.754-06	1.346-10	4.500-09	1.769-08	1.455-04	9.992-07
-.6	4.743-02	3.569-05	1.810-03	7.666-06	3.433-10	1.100-08	4.162-08	1.728-04	1.280-06
-.4	6.867-02	5.740-05	2.782-03	1.224-05	8.660-10	2.653-08	9.515-08	1.995-04	1.642-06
-.2	9.626-02	9.248-05	4.150-03	1.930-05	2.152-09	6.291-08	2.101-07	2.228-04	2.107-06
.0	1.302-01	1.491-04	6.127-03	2.989-05	5.231-09	1.463-07	4.468-07	2.340-04	2.696-06
.2	1.698-01	2.400-04	8.873-03	4.484-05	1.233-08	3.332-07	9.126-07	2.460-04	3.428-06
.4	2.132-01	3.848-04	1.259-02	6.489-05	2.792-08	7.423-07	1.791-06	2.428-04	4.320-06
.6	2.589-01	6.129-04	1.751-02	8.967-05	6.013-08	1.618-06	3.385-06	2.307-04	5.382-06
.8	3.049-01	9.665-04	2.386-02	1.177-04	1.225-07	3.450-06	6.170-06	2.122-04	6.529-06
1.0	3.494-01	1.505-03	3.186-02	1.465-04	2.357-07	7.215-06	1.088-05	1.904-04	8.092-06
1.2	3.911-01	2.308-03	4.172-02	1.740-04	4.305-07	1.483-05	1.861-05	1.691-04	9.835-06
1.4	4.293-01	3.478-03	5.361-02	1.984-04	7.515-07	3.011-05	3.093-05	1.502-04	1.199-05
1.6	4.633-01	5.142-03	6.763-02	2.192-04	1.266-06	6.084-05	5.007-05	1.357-04	1.483-05
1.8	4.934-01	7.443-03	8.378-02	2.369-04	2.076-06	1.238-04	7.906-05	1.274-04	1.888-05
2.0	5.197-01	1.054-02	1.020-01	2.509-04	3.348-06	2.586-04	1.218-04	1.200-04	2.540-05
2.2	5.428-01	1.456-02	1.219-01	2.618-04	5.357-06	5.703-04	1.832-04	1.447-04	3.774-05

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LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.584-26	2.694-10	3.961-15	9.957-12	3.902-01	2.692-07	1.042-01	3.891-10	2.321-03
-6.8	9.617-26	6.630-10	9.500-15	2.448-11	3.891-01	1.706-07	1.035-01	2.458-10	2.307-03
-6.6	5.720-25	1.614-09	2.410-14	5.953-11	3.873-01	1.084-07	1.025-01	1.554-10	2.286-03
-6.4	3.301-24	3.867-09	5.856-14	1.424-10	3.846-01	6.915-08	1.010-01	9.832-11	2.254-03
-6.2	1.824-23	9.053-09	1.400-13	3.325-10	3.806-01	4.431-08	9.882-02	6.228-11	2.208-03
-6.0	9.507-23	2.054-08	3.275-13	7.519-10	3.746-01	2.857-08	9.574-02	3.952-11	2.142-03
-5.8	4.599-22	4.476-08	7.447-13	1.631-09	3.661-01	1.856-08	9.163-02	2.514-11	2.054-03
-5.6	2.036-21	9.292-08	1.637-12	3.369-09	3.545-01	1.215-08	8.642-02	1.604-11	1.943-03
-5.4	8.182-21	1.828-07	3.468-12	6.588-09	3.393-01	8.025-09	8.021-02	1.027-11	1.808-03
-5.2	2.978-20	3.400-07	7.061-12	1.217-08	3.205-01	5.334-09	7.324-02	6.599-12	1.656-03
-5.0	9.863-20	5.987-07	1.383-11	2.130-08	2.982-01	3.561-09	6.582-02	4.256-12	1.493-03
-4.8	3.000-19	1.002-06	2.613-11	3.544-08	2.731-01	2.383-09	5.827-02	2.752-12	1.326-03
-4.6	8.474-19	1.604-06	4.769-11	5.640-08	2.461-01	1.594-09	5.084-02	1.784-12	1.161-03
-4.4	2.246-18	2.466-06	8.436-11	8.631-08	2.183-01	1.063-09	4.388-02	1.157-12	1.003-03
-4.2	5.658-18	3.665-06	1.450-10	1.278-07	1.908-01	7.068-10	3.741-02	7.500-13	8.570-04
-4.0	1.364-17	5.293-06	2.425-10	1.838-07	1.645-01	4.677-10	3.157-02	4.859-13	7.244-04
-3.8	3.172-17	7.458-06	3.955-10	2.583-07	1.401-01	3.080-10	2.640-02	3.142-13	6.066-04
-3.6	7.167-17	1.030-05	6.299-10	3.559-07	1.179-01	2.016-10	2.190-02	2.028-13	5.038-04
-3.4	1.581-16	1.398-05	9.805-10	4.823-07	9.833-02	1.316-10	1.804-02	1.307-13	4.154-04
-3.2	3.422-16	1.871-05	1.494-09	6.448-07	8.131-02	8.547-11	1.477-02	8.405-14	3.404-04
-3.0	7.291-16	2.477-05	2.228-09	8.525-07	6.677-02	5.531-11	1.203-02	5.336-14	2.775-04
-2.8	1.534-15	3.247-05	3.260-09	1.117-06	5.451-02	3.569-11	9.761-03	3.460-14	2.252-04
-2.6	3.196-15	4.224-05	4.681-09	1.453-06	4.428-02	2.297-11	7.892-03	2.216-14	1.822-04
-2.4	6.603-15	5.461-05	6.607-09	1.879-06	3.583-02	1.476-11	6.363-03	1.419-14	1.469-04
-2.2	1.356-14	7.024-05	9.178-09	2.419-06	2.889-02	9.449-12	5.120-03	9.084-15	1.183-04
-2.0	2.771-14	8.996-05	1.257-08	3.103-06	2.323-02	6.068-12	4.113-03	5.816-15	9.506-05
-1.8	5.640-14	1.148-04	1.700-08	3.970-06	1.863-02	3.885-12	3.302-03	3.727-15	7.615-05
-1.6	1.145-13	1.459-04	2.273-08	5.072-06	1.490-02	2.485-12	2.650-03	2.392-15	6.130-05
-1.4	2.321-13	1.848-04	3.012-08	6.474-06	1.189-02	1.578-12	2.127-03	1.538-15	4.925-05
-1.2	4.701-13	2.331-04	3.958-08	8.264-06	9.449-03	1.013-12	1.709-03	9.916-16	3.962-05
-1.0	9.524-13	2.924-04	5.166-08	1.056-05	7.478-03	6.442-13	1.376-03	6.417-16	3.196-05
-.8	1.932-12	3.641-04	6.696-08	1.353-05	5.882-03	4.08C-13	1.111-03	4.171-16	2.586-05
-.6	3.932-12	4.490-04	8.617-08	1.741-05	4.587-03	2.565-13	8.997-04	2.724-16	2.101-05
-.4	8.034-12	5.465-04	1.098-07	2.252-05	3.535-03	1.596-13	7.309-04	1.786-16	1.715-05
-.2	1.651-11	6.538-04	1.378-07	2.936-05	2.683-03	9.776-14	5.949-04	1.173-16	1.405-05
.0	3.418-11	7.660-04	1.691-07	3.863-05	1.999-03	5.871-14	4.839-04	7.693-17	1.153-05
.2	7.128-11	8.761-04	2.004-07	5.134-05	1.458-03	3.443-14	3.923-04	5.012-17	9.456-06
.4	1.498-10	9.764-04	2.285-07	6.893-05	1.040-03	1.969-14	3.160-04	3.238-17	7.733-06
.6	3.166-10	1.061-03	2.472-07	9.341-05	7.254-04	1.101-14	2.526-04	2.073-17	6.301-06
.8	6.715-10	1.127-03	2.535-07	1.274-04	4.971-04	6.065-15	2.004-04	1.321-17	5.123-06
1.0	1.424-09	1.177-03	2.478-07	1.746-04	3.365-04	3.328-15	1.582-04	8.447-18	4.173-06
1.2	3.014-09	1.212-03	2.336-07	2.395-04	2.269-04	1.849-15	1.250-04	5.491-18	3.427-06
1.4	6.356-09	1.236-03	2.182-07	3.284-04	1.540-04	1.062-15	9.950-05	3.694-18	2.864-06
1.6	1.341-08	1.317-03	2.067-07	4.508-04	1.044-04	6.495-16	8.083-05	2.636-18	2.467-06
1.8	2.850-08	1.418-03	1.988-07	6.262-04	7.617-05	4.368-16	6.745-05	2.066-18	2.227-06
2.0	6.295-08	1.611-03	1.953-07	8.870-04	5.778-05	3.449-16	5.952-05	1.986-18	2.163-06
2.2	1.500-07	2.017-03	2.231-07	1.345-03	4.842-05	3.616-16	5.762-05	2.265-18	2.367-06

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LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	4.075-08	8.332-05	6.590-09	5.070-07	4.496-03	1.851-03	3.971-05	7.836-04	7.075-06
-6.8	2.576-08	8.358-05	4.203-09	3.315-07	7.053-03	2.893-03	4.210-05	1.157-07	7.278-06
-6.6	1.629-08	8.378-05	2.696-09	2.162-07	1.100-02	4.489-03	9.641-05	1.822-07	7.435-06
-6.4	1.032-08	8.458-05	1.743-09	1.414-07	1.702-02	6.890-03	1.481-04	2.859-07	7.574-06
-6.2	6.542-09	8.548-05	1.141-09	9.323-08	2.651-02	1.061-02	2.241-04	4.462-07	7.717-06
-6.0	4.158-09	8.673-05	7.582-10	6.236-08	3.911-02	1.561-02	3.321-04	6.914-07	7.885-06
-5.8	2.650-09	8.868-05	5.140-10	4.254-08	5.754-02	2.229-02	4.796-04	1.062-06	8.096-06
-5.6	1.695-09	9.072-05	3.546-10	2.971-08	8.247-02	3.097-02	6.706-04	1.611-06	8.364-06
-5.4	1.083-09	9.348-05	2.535-10	2.123-08	1.145-01	4.171-02	9.057-04	2.427-06	8.696-06
-5.2	7.017-10	9.666-05	1.844-10	1.584-08	1.537-01	5.416-02	1.180-03	3.541-06	9.094-06
-5.0	4.539-10	1.009-04	1.370-10	1.179-08	1.995-01	6.788-02	1.483-03	5.112-06	9.548-06
-4.8	2.944-10	1.034-04	1.034-10	9.049-09	2.503-01	8.235-02	1.805-03	7.237-06	1.005-05
-4.6	1.913-10	1.063-04	7.890-11	7.036-09	3.044-01	9.701-02	2.131-03	1.004-05	1.057-05
-4.4	1.244-10	1.095-04	6.056-11	5.564-09	3.595-01	1.114-01	2.453-03	1.384-05	1.109-05
-4.2	8.080-11	1.039-04	4.654-11	4.422-09	4.137-01	1.250-01	2.759-03	1.815-05	1.161-05
-4.0	5.243-11	1.092-04	3.568-11	3.532-09	4.654-01	1.377-01	3.043-03	2.344-05	1.210-05
-3.8	3.395-11	1.079-04	2.719-11	2.828-09	5.132-01	1.491-01	3.300-03	3.018-05	1.255-05
-3.6	2.194-11	1.047-04	2.055-11	2.267-09	5.563-01	1.591-01	3.529-03	3.776-05	1.296-05
-3.4	1.415-11	1.001-04	1.537-11	1.819-09	5.943-01	1.681-01	3.728-03	4.623-05	1.331-05
-3.2	9.107-12	9.424-05	1.136-11	1.457-09	6.272-01	1.756-01	3.899-03	5.552-05	1.361-05
-3.0	5.851-12	8.725-05	8.286-12	1.168-09	6.553-01	1.820-01	4.043-03	6.543-05	1.388-05
-2.8	3.754-12	7.948-05	5.966-12	9.349-10	6.788-01	1.874-01	4.165-03	7.560-05	1.410-05
-2.6	2.406-12	7.126-05	4.239-12	7.481-10	6.983-01	1.918-01	4.266-03	8.583-05	1.429-05
-2.4	1.541-12	6.294-05	2.973-12	5.983-10	7.142-01	1.955-01	4.349-03	9.584-05	1.444-05
-2.2	9.867-13	5.482-05	2.060-12	4.783-10	7.269-01	1.986-01	4.419-03	1.054-04	1.457-05
-2.0	6.321-13	4.713-05	1.411-12	3.824-10	7.368-01	2.011-01	4.478-03	1.142-04	1.469-05
-1.8	4.053-13	4.006-05	9.577-13	3.058-10	7.441-01	2.033-01	4.528-03	1.222-04	1.479-05
-1.6	2.602-13	3.371-05	6.445-13	2.447-10	7.487-01	2.052-01	4.574-03	1.294-04	1.489-05
-1.4	1.675-13	2.813-05	4.307-13	1.960-10	7.505-01	2.070-01	4.618-03	1.357-04	1.499-05
-1.2	1.081-13	2.330-05	2.883-13	1.574-10	7.492-01	2.089-01	4.665-03	1.411-04	1.511-05
-1.0	7.008-14	1.918-05	1.894-13	1.267-10	7.438-01	2.110-01	4.719-03	1.457-04	1.526-05
-.8	4.566-14	1.570-05	1.249-13	1.023-10	7.336-01	2.135-01	4.788-03	1.495-04	1.546-05
-.6	2.992-14	1.278-05	8.193-14	8.304-11	7.167-01	2.167-01	4.876-03	1.525-04	1.573-05
-.4	1.971-14	1.031-05	5.335-14	6.770-11	6.925-01	2.207-01	4.989-03	1.547-04	1.608-05
-.2	1.303-14	8.208-06	3.629-14	5.539-11	6.602-01	2.256-01	5.133-03	1.567-04	1.653-05
.0	8.624-15	6.402-06	2.156-14	4.538-11	6.198-01	2.312-01	5.308-03	1.586-04	1.709-05
.2	5.699-15	4.845-06	1.312-14	3.715-11	5.722-01	2.373-01	5.512-03	1.602-04	1.773-05
.4	3.734-15	3.522-06	7.653-15	3.029-11	5.194-01	2.433-01	5.739-03	1.614-04	1.846-05
.6	2.440-15	2.442-06	4.254-15	2.458-11	4.635-01	2.487-01	5.981-03	1.621-04	1.923-05
.8	1.596-15	1.612-06	2.257-15	1.986-11	4.070-01	2.527-01	6.231-03	1.627-04	2.003-05
1.0	1.056-15	1.017-06	1.156-15	1.603-11	3.519-01	2.548-01	6.482-03	1.633-04	2.083-05
1.2	7.162-16	6.217-07	5.828-16	1.297-11	3.000-01	2.543-01	6.730-03	1.643-04	2.163-05
1.4	5.089-16	3.741-07	2.976-16	1.060-11	2.522-01	2.508-01	6.972-03	1.655-04	2.240-05
1.6	3.894-16	2.261-07	1.594-16	8.906-12	2.093-01	2.437-01	7.207-03	1.680-04	2.316-05
1.8	3.338-16	1.406-07	9.377-17	7.516-12	1.712-01	2.328-01	7.437-03	2.337-04	2.389-05
2.0	3.423-16	9.238-08	6.477-17	6.682-12	1.379-01	2.178-01	7.663-03	1.668-05	2.462-05
2.2	4.788-16	6.713-08	5.981-17	6.363-12	1.088-01	1.984-01	7.889-03	1.138-05	2.535-05

T= 10000

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.968-01	3.95613+00	4.90813+01	5.30375+01	1.26202+02	-4.83688+00	3.95665+00
-6.8	4.950-01	3.94182+00	4.88272+01	5.27691+01	1.24138+02	-4.64045+00	3.94246+00
-6.6	4.922-01	3.92001+00	4.84396+01	5.23597+01	1.21031+02	-4.44226+00	3.92080+00
-6.4	4.880-01	3.88740+00	4.78593+01	5.17467+01	1.19553+02	-4.24649+00	3.88837+00
-6.2	4.817-01	3.83925+00	4.70139+01	5.08528+01	1.16924+02	-4.05182+00	3.84113+00
-6.0	4.726-01	3.77344+00	4.58276+01	4.96011+01	1.13987+02	-3.85961+00	3.77485+00
-5.8	4.599-01	3.68455+00	4.42409+01	4.79255+01	1.10683+02	-3.66976+00	3.68620+00
-5.6	4.430-01	3.57234+00	4.22361+01	4.58085+01	1.07006+02	-3.48314+00	3.57421+00
-5.4	4.215-01	3.43927+00	3.98567+01	4.32966+01	1.03012+02	-3.29964+00	3.44136+00
-5.2	3.955-01	3.29117+00	3.72063+01	4.04975+01	9.88110+01	-3.11880+00	3.29338+00
-5.0	3.656-01	3.13590+00	3.44254+01	3.75613+01	9.45501+01	-2.93976+00	3.13820+00
-4.8	3.328-01	2.98152+00	3.16585+01	3.46600+01	9.03748+01	-2.76171+00	2.98345+00
-4.6	2.982-01	2.83477+00	2.90268+01	3.18616+01	8.64040+01	-2.58363+00	2.83708+00
-4.4	2.633-01	2.70036+00	2.66147+01	2.93151+01	8.27181+01	-2.40472+00	2.70240+00
-4.2	2.292-01	2.58086+00	2.44689+01	2.70497+01	7.93569+01	-2.22438+00	2.59300+00
-4.0	1.969-01	2.47709+00	2.26047+01	2.50818+01	7.63287+01	-2.04220+00	2.47311+00
-3.8	1.672-01	2.38666+00	2.10152+01	2.34039+01	7.36195+01	-1.85799+00	2.39054+00
-3.6	1.404-01	2.31438+00	1.96798+01	2.19941+01	7.12017+01	-1.67171+00	2.31612+00
-3.4	1.169-01	2.25270+00	1.85705+01	2.08232+01	6.90613+01	-1.48344+00	2.25633+00
-3.2	9.654-02	2.20192+00	1.76571+01	1.98459+01	6.71027+01	-1.29335+00	2.20334+00
-3.0	7.920-02	2.16037+00	1.69170+01	1.90704+01	6.53515+01	-1.10162+00	2.16163+00
-2.8	6.462-02	2.12649+00	1.63015+01	1.84248+01	6.37562+01	-9.08480-01	2.12764+00
-2.6	5.249-02	2.09889+00	1.58069+01	1.79058+01	6.22888+01	-7.14160-01	2.09497+00
-2.4	4.248-02	2.07632+00	1.54042+01	1.74804+01	6.09250+01	-5.18850-01	2.07272+00
-2.2	3.428-02	2.05764+00	1.50743+01	1.71319+01	5.96433+01	-3.22780-01	2.05612+00
-2.0	2.761-02	2.04181+00	1.47997+01	1.68415+01	5.84246+01	-1.26130-01	2.04254+00
-1.8	2.221-02	2.02780+00	1.45642+01	1.65926+01	5.72526+01	7.08820-02	2.02847+00
-1.6	1.785-02	2.01453+00	1.43518+01	1.63663+01	5.61092+01	2.64030-01	2.01513+00
-1.4	1.435-02	2.00078+00	1.41451+01	1.61456+01	5.49779+01	4.65850-01	2.00123+00
-1.2	1.154-02	1.98502+00	1.39249+01	1.59099+01	5.38354+01	6.61620-01	1.98535+00
-1.0	9.308-03	1.96556+00	1.36689+01	1.56345+01	5.26740+01	8.57140-01	1.96573+00
-.8	7.532-03	1.94043+00	1.33530+01	1.52914+01	5.14545+01	1.05175+00	1.94041+00
-.6	6.126-03	1.90775+00	1.29562+01	1.48611+01	5.01736+01	1.24437+00	1.90744+00
-.4	5.019-03	1.86624+00	1.24689+01	1.43231+01	4.88067+01	1.43462+00	1.86551+00
-.2	4.150-03	1.81580+00	1.18590+01	1.36748+01	4.73606+01	1.62292+00	1.81456+00
.0	3.470-03	1.75782+00	1.11761+01	1.29335+01	4.58546+01	1.80883+00	1.75567+00
.2	2.939-03	1.69801+00	1.04385+01	1.21538+01	4.43219+01	1.99333+00	1.69159+00
.4	2.522-03	1.63071+00	9.68384+00	1.13144+01	4.28016+01	2.17623+00	1.62569+00
.6	2.191-03	1.56819+00	8.94481+00	1.05155+01	4.13241+01	2.35925+00	1.56207+00
.8	1.923-03	1.51018+00	8.25507+00	9.76525+00	3.98277+01	2.54268+00	1.49781+00
1.0	1.702-03	1.45973+00	7.62528+00	9.09437+00	3.86164+01	2.72785+00	1.44051+00
1.2	1.513-03	1.41593+00	7.06479+00	8.48053+00	3.73926+01	2.91484+00	1.38326+00
1.4	1.349-03	1.38277+00	6.57376+00	7.95669+00	3.62516+01	3.10459+00	1.33314+00
1.6	1.206-03	1.36208+00	6.14771+00	7.50973+00	3.52001+01	3.29816+00	1.29453+00
1.8	1.086-03	1.35741+00	5.77944+00	7.13328+00	3.42268+01	3.49657+00	1.26563+00
2.0	9.971-04	1.37455+00	5.46289+00	6.83744+00	3.34218+01	3.70035+00	1.24465+00
2.2	9.621-04	1.42261+00	5.19586+00	6.61347+00	3.27471+01	3.91094+00	1.23430+00

T= 1 1CC

LOG C	N2	O2	NO	CC	CO2	NO2	N2C	N2+	O2+
-7.0	9.663-13	1.661-15	5.272-14	1.682-17	4.271-30	1.851-27	4.977-27	5.810-11	8.262-13
-6.8	3.769-12	5.663-15	2.050-13	6.573-17	4.131-29	1.782-26	4.805-26	1.439-10	2.034-12
-6.6	1.453-11	2.164-14	7.870-13	2.541-16	3.925-28	1.679-25	4.550-25	3.535-10	4.952-12
-6.4	5.513-11	8.099-14	2.964-12	9.696-16	3.531-27	1.535-24	4.187-24	8.586-10	1.186-11
-6.2	2.041-10	2.938-13	1.096-11	3.618-15	3.231-26	1.342-23	3.697-23	2.050-09	2.776-11
-6.0	7.301-10	1.022-12	3.832-11	1.310-14	2.726-25	1.103-22	3.082-22	4.780-09	6.250-11
-5.8	2.497-09	3.361-12	1.285-10	4.562-14	2.145-24	8.356-22	2.361-21	1.079-08	1.347-10
-5.6	8.068-09	1.034-11	4.052-10	1.514-13	1.550-23	5.735-21	1.675-20	2.342-08	2.822-10
-5.4	2.441-08	2.947-11	1.190-09	4.753-13	1.016-22	3.517-20	1.058-19	4.865-08	5.502-10
-5.2	6.870-08	7.759-11	3.239-09	1.407-12	6.018-22	1.916-19	5.959-19	9.517-08	1.011-09
-5.0	1.797-07	1.892-10	8.180-09	3.927-12	3.225-21	9.290-19	2.993-18	1.772-07	1.755-09
-4.8	4.373-07	4.296-10	1.925-08	1.038-11	1.575-20	4.045-18	1.350-17	3.129-07	2.893-09
-4.6	9.986-07	9.177-10	4.247-08	2.597-11	7.080-20	1.601-17	5.522-17	5.261-07	4.568-09
-4.4	2.148-06	1.858-09	8.866-08	6.211-11	2.959-19	5.860-17	2.076-16	8.460-07	6.686-09
-4.2	4.388-06	3.599-09	1.763-07	1.425-10	1.162-18	1.989-16	7.259-16	1.307-06	1.009-08
-4.0	8.576-06	6.719-09	3.368-07	3.147-10	4.321-18	6.395-16	2.399-15	1.952-06	1.498-08
-3.8	1.614-05	1.217-08	6.218-07	6.719-10	1.533-17	1.962-15	7.473-15	2.822-06	2.005-08
-3.6	2.945-05	2.148-08	1.116-06	1.391-09	5.221-17	5.793-15	2.242-14	4.000-06	2.744-08
-3.4	5.231-05	3.716-08	1.956-06	2.748-09	1.714-16	1.657-14	6.502-14	5.537-06	3.699-08
-3.2	9.094-05	6.320-08	3.364-06	5.480-09	5.446-16	4.622-14	1.833-13	7.532-06	4.923-08
-3.0	1.553-04	1.060-07	5.693-06	1.048-08	1.680-15	1.263-13	5.052-13	1.010-05	6.485-08
-2.8	2.612-04	1.759-07	9.512-06	1.957-08	5.046-15	3.392-13	1.367-12	1.338-05	8.472-08
-2.6	4.342-04	2.892-07	1.572-05	3.578-08	1.479-14	8.988-13	3.641-12	1.755-05	1.099-07
-2.4	7.146-04	4.722-07	2.577-05	6.416-08	4.241-14	2.356-12	9.581-12	2.283-05	1.419-07
-2.2	1.166-03	7.663-07	4.196-05	1.130-07	1.192-13	6.118-12	2.496-11	2.950-05	1.824-07
-2.0	1.888-03	1.238-06	6.784-05	1.959-07	3.293-13	1.577-11	6.440-11	3.790-05	2.337-07
-1.8	3.038-03	1.993-06	1.092-04	3.347-07	8.956-13	4.060-11	1.649-10	4.840-05	2.987-07
-1.6	4.854-03	3.200-06	1.749-04	5.648-07	2.403-12	1.029-10	4.188-10	6.147-05	3.812-07
-1.4	7.697-03	5.129-06	2.786-04	9.428-07	6.371-12	2.605-10	1.055-09	7.756-05	4.861-07
-1.2	1.209-02	8.212-06	4.422-04	1.559-06	1.672-11	6.558-10	2.630-09	9.706-05	6.199-07
-1.0	1.878-02	1.315-05	6.972-04	2.557-06	4.348-11	1.640-09	6.475-09	1.202-04	7.912-07
-.8	2.871-02	2.106-05	1.091-03	4.164-06	1.121-10	4.065-09	1.567-08	1.465-04	1.011-06
-.6	4.298-02	3.379-05	1.691-03	6.729-06	2.866-10	9.970-09	3.717-08	1.752-04	1.295-06
-.4	6.271-02	5.430-05	2.589-03	1.078-05	7.252-10	2.413-08	8.552-08	2.040-04	1.662-06
-.2	8.865-02	8.742-05	3.906-03	1.706-05	1.810-09	5.745-08	1.906-07	2.300-04	2.134-06
.0	1.210-01	1.409-04	5.792-03	2.693-05	4.428-09	1.343-07	4.091-07	2.497-04	2.735-06
.2	1.592-01	2.267-04	8.428-03	4.021-05	1.053-08	3.073-07	8.439-07	2.602-04	3.488-06
.4	2.018-01	3.637-04	1.202-02	5.886-05	2.412-08	6.841-07	1.672-06	2.601-04	4.412-06
.6	2.472-01	5.707-04	1.679-02	8.243-05	5.268-08	1.507-06	3.187-06	2.501-04	5.521-06
.8	2.933-01	9.154-04	2.297-02	1.097-04	1.099-07	3.231-06	5.856-06	2.325-04	6.835-06
1.0	3.383-01	1.428-03	3.081-02	1.387-04	2.128-07	6.788-06	1.040-05	2.109-04	8.344-06
1.2	3.809-01	2.195-03	4.050-02	1.668-04	3.939-07	1.402-05	1.790-05	1.887-04	1.024-05
1.4	4.201-01	3.316-03	5.223-02	1.922-04	6.956-07	2.859-05	2.992-05	1.687-04	1.254-05
1.6	4.553-01	4.914-03	6.611-02	2.142-04	1.183-06	5.802-05	4.869-05	1.533-04	1.557-05
1.8	4.865-01	7.135-03	8.216-02	2.325-04	1.954-06	1.186-04	7.721-05	1.447-04	1.992-05
2.0	5.139-01	1.013-02	1.003-01	2.475-04	3.170-06	2.487-04	1.195-04	1.460-04	2.693-05
2.2	5.379-01	1.405-02	1.202-01	2.596-04	5.097-06	5.508-04	1.803-04	1.659-04	4.028-05

T= 1010C

LOG C	C2-	NC+	CC+	O-	N+	N++	C+	O++	A+
-7.0	1.072-26	1.994-10	3.049-15	8.233-12	3.905-01	3.829-07	1.044-01	5.907-10	2.325-03
-6.8	6.544-26	4.924-10	7.568-15	2.031-11	3.895-01	2.426-07	1.038-01	3.731-10	2.314-03
-6.6	3.926-25	1.204-09	1.866-14	4.964-11	3.881-01	1.540-07	1.029-01	2.358-10	2.298-03
-6.4	2.295-24	2.905-09	4.554-14	1.196-10	3.858-01	9.807-08	1.016-01	1.491-10	2.270-03
-6.2	1.291-23	6.868-09	1.096-13	2.820-10	3.823-01	6.271-08	9.972-02	9.441-11	2.231-03
-6.0	6.893-23	1.578-08	2.587-13	6.463-10	3.772-01	4.033-08	9.698-02	5.986-11	2.175-03
-5.8	3.436-22	3.456-08	5.948-13	1.426-09	3.698-01	2.613-08	9.326-02	3.803-11	2.097-03
-5.6	1.575-21	7.400-08	1.325-12	3.003-09	3.595-01	1.706-08	8.844-02	2.423-11	1.997-03
-5.4	6.569-21	1.486-07	2.846-12	5.996-09	3.457-01	1.123-08	8.258-02	1.548-11	1.873-03
-5.2	2.481-20	2.824-07	5.879-12	1.132-08	3.283-01	7.456-09	7.585-02	9.933-12	1.729-03
-5.0	8.507-20	5.075-07	1.168-11	2.021-08	3.073-01	4.968-09	6.854-02	6.395-12	1.570-03
-4.8	2.669-19	8.657-07	2.236-11	3.426-08	2.832-01	3.323-09	6.100-02	4.131-12	1.404-03
-4.6	7.760-19	1.408-06	4.126-11	5.540-08	2.568-01	2.224-09	5.352-02	2.674-12	1.238-03
-4.4	2.099-18	2.197-06	7.377-11	8.598-08	2.293-01	1.486-09	4.636-02	1.734-12	1.076-03
-4.2	5.384-18	3.306-06	1.280-10	1.288-07	2.016-01	9.894-10	3.968-02	1.124-12	9.246-04
-4.0	1.318-17	4.823-06	2.160-10	1.872-07	1.747-01	6.561-10	3.361-02	7.285-13	7.854-04
-3.8	3.104-17	6.851-06	3.551-10	2.654-07	1.494-01	4.329-10	2.819-02	4.715-13	6.605-04
-3.6	7.085-17	9.538-06	5.697-10	3.682-07	1.263-01	2.843-10	2.345-02	3.046-13	5.506-04
-3.4	1.576-16	1.303-05	8.929-10	5.020-07	1.057-01	1.858-10	1.937-02	1.964-13	4.554-04
-3.2	3.435-16	1.753-05	1.369-09	6.744-07	8.771-02	1.209-10	1.589-02	1.264-13	3.742-04
-3.0	7.359-16	2.329-05	2.071-09	8.952-07	7.222-02	7.838-11	1.297-02	8.126-14	3.058-04
-2.8	1.555-15	3.064-05	3.022-09	1.177-06	5.909-02	5.065-11	1.054-02	5.215-14	2.487-04
-2.6	3.252-15	3.998-05	4.361-09	1.535-06	4.810-02	3.265-11	8.532-03	3.343-14	2.015-04
-2.4	6.739-15	5.181-05	6.183-09	1.989-06	3.898-02	2.100-11	6.887-03	2.142-14	1.627-04
-2.2	1.387-14	6.677-05	8.624-09	2.565-06	3.147-02	1.349-11	5.546-03	1.372-14	1.311-04
-2.0	2.840-14	8.566-05	1.185-08	3.296-06	2.534-02	8.652-12	4.459-03	8.789-15	1.055-04
-1.8	5.789-14	1.095-04	1.608-08	4.222-06	2.034-02	5.545-12	3.581-03	5.635-15	8.476-05
-1.6	1.177-13	1.393-04	2.157-08	5.397-06	1.629-02	3.551-12	2.875-03	3.617-15	6.809-05
-1.4	2.387-13	1.767-04	2.865-08	6.893-06	1.301-02	2.272-12	2.308-03	2.327-15	5.471-05
-1.2	4.837-13	2.233-04	3.774-08	8.801-06	1.036-02	1.452-12	1.855-03	1.501-15	4.402-05
-1.0	9.801-13	2.808-04	4.935-08	1.125-05	8.210-03	9.253-13	1.493-03	9.713-16	3.549-05
-.8	1.988-12	3.504-04	6.411-08	1.440-05	6.472-03	5.876-13	1.205-03	6.315-16	2.871-05
-.6	4.042-12	4.335-04	8.272-08	1.851-05	5.062-03	3.709-13	9.756-04	4.126-16	2.332-05
-.4	8.269-12	5.298-04	1.058-07	2.391-05	3.917-03	2.319-13	7.944-04	2.708-16	1.903-05
-.2	1.692-11	6.373-04	1.335-07	3.111-05	2.989-03	1.431-13	6.452-04	1.782-16	1.559-05
.0	3.495-11	7.516-04	1.652-07	4.082-05	2.241-03	8.667-14	5.256-04	1.173-16	1.281-05
.2	7.270-11	8.661-04	1.985-07	5.409-05	1.648-03	5.136-14	4.271-04	7.689-17	1.052-05
.4	1.523-10	9.732-04	2.291-07	7.239-05	1.182-03	2.971-14	3.452-04	5.003-17	8.634-06
.6	3.212-10	1.066-03	2.521-07	9.781-05	8.316-04	1.682-14	2.770-04	3.230-17	7.061-06
.8	6.801-10	1.142-03	2.633-07	1.332-04	5.741-04	9.368-15	2.208-04	2.075-17	5.764-06
1.0	1.441-09	1.201-03	2.619-07	1.821-04	3.913-04	5.194-15	1.751-04	1.337-17	4.712-06
1.2	3.051-09	1.240-03	2.508-07	2.497-04	2.654-04	2.912-15	1.388-04	8.758-18	3.883-06
1.4	6.445-09	1.299-03	2.350-07	3.425-04	1.809-04	1.696-15	1.109-04	5.931-18	3.255-06
1.6	1.362-08	1.366-03	2.204-07	4.711-04	1.255-04	1.037-15	9.016-05	4.258-18	2.810-06
1.8	2.913-08	1.478-03	2.123-07	6.539-04	9.011-05	7.030-16	7.565-05	3.361-18	2.542-06
2.0	6.442-08	1.686-03	2.175-07	9.325-04	6.856-05	5.601-16	6.697-05	3.096-18	2.475-06
2.2	1.547-07	2.122-03	2.503-07	1.422-03	5.767-05	5.960-16	6.512-05	3.775-18	2.718-06

T= 10100

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	5.690-08	8.325-05	8.825-09	6.446-07	3.771-03	1.564-03	5.278-05	6.362-08	6.930-06
-6.8	3.496-08	8.147-05	5.619-09	4.237-07	5.925-03	2.450-03	5.137-05	1.005-07	7.174-06
-6.6	2.274-08	8.380-05	3.590-09	2.768-07	9.266-03	3.814-03	5.001-05	1.564-07	7.356-06
-6.4	1.440-08	8.431-05	2.317-09	1.809-07	1.438-02	5.880-03	1.235-04	2.489-07	7.507-06
-6.2	9.131-09	8.507-05	1.509-09	1.189-07	2.210-02	8.943-03	1.882-04	3.824-07	7.640-06
-6.0	5.803-09	8.617-05	9.962-10	7.909-08	3.345-02	1.335-02	2.815-04	6.056-07	7.810-06
-5.8	3.698-09	8.770-05	6.699-10	5.353-08	4.766-02	1.944-02	4.112-04	9.329-07	8.004-06
-5.6	2.365-09	8.974-05	4.604-10	3.704-08	7.192-02	2.746-02	5.831-04	1.422-06	8.270-06
-5.4	1.519-09	9.229-05	3.242-10	2.628-08	1.011-01	3.748-02	7.996-04	2.138-06	8.558-06
-5.2	9.790-10	9.529-05	2.338-10	1.914-08	1.376-01	4.933-02	1.058-03	3.163-06	8.931-06
-5.0	6.335-10	9.858-05	1.723-10	1.429-08	1.810-01	6.264-02	1.350-03	4.597-06	9.365-06
-4.8	4.112-10	1.019-04	1.292-10	1.089-08	2.300-01	7.689-02	1.665-03	6.565-06	9.848-06
-4.6	2.674-10	1.069-04	9.821-11	8.446-09	2.830-01	9.153-02	1.991-03	9.158-06	1.036-05
-4.4	1.741-10	1.073-04	7.520-11	6.635-09	3.380-01	1.061-01	2.316-03	1.253-05	1.088-05
-4.2	1.133-10	1.088-04	5.774-11	5.260-09	3.928-01	1.200-01	2.633-03	1.679-05	1.141-05
-4.0	7.362-11	1.090-04	4.428-11	4.194-09	4.456-01	1.331-01	2.925-03	2.203-05	1.191-05
-3.8	4.776-11	1.079-04	3.379-11	3.356-09	4.950-01	1.450-01	3.194-03	2.831-05	1.238-05
-3.6	3.092-11	1.052-04	2.559-11	2.690-09	5.400-01	1.556-01	3.435-03	3.561-05	1.280-05
-3.4	1.997-11	1.010-04	1.919-11	2.157-09	5.800-01	1.649-01	3.647-03	4.390-05	1.317-05
-3.2	1.287-11	9.549-05	1.423-11	1.730-09	6.149-01	1.729-01	3.829-03	5.302-05	1.350-05
-3.0	8.281-12	8.879-05	1.042-11	1.386-09	6.449-01	1.797-01	3.985-03	6.279-05	1.378-05
-2.8	5.319-12	8.123-05	7.527-12	1.110-09	6.700-01	1.855-01	4.116-03	7.295-05	1.402-05
-2.6	3.413-12	7.313-05	5.367-12	8.887-10	6.911-01	1.903-01	4.225-03	8.322-05	1.422-05
-2.4	2.188-12	6.484-05	3.777-12	7.110-10	7.093-01	1.942-01	4.316-03	9.332-05	1.438-05
-2.2	1.402-12	5.667-05	2.626-12	5.686-10	7.222-01	1.975-01	4.391-03	1.030-04	1.453-05
-2.0	8.989-13	4.888-05	1.805-12	4.546-10	7.331-01	2.002-01	4.454-03	1.120-04	1.465-05
-1.8	5.767-13	4.167-05	1.228-12	3.636-10	7.413-01	2.025-01	4.508-03	1.203-04	1.475-05
-1.6	3.704-13	3.515-05	8.286-13	2.910-10	7.468-01	2.045-01	4.554-03	1.277-04	1.485-05
-1.4	2.385-13	2.940-05	5.551-13	2.331-10	7.496-01	2.064-01	4.602-03	1.342-04	1.496-05
-1.2	1.540-13	2.440-05	3.697-13	1.871-10	7.492-01	2.083-01	4.648-03	1.398-04	1.507-05
-1.0	9.984-14	2.012-05	2.452-13	1.505-10	7.450-01	2.103-01	4.701-03	1.446-04	1.521-05
-.8	6.506-14	1.650-05	1.620-13	1.216-10	7.361-01	2.127-01	4.766-03	1.487-04	1.540-05
-.6	4.265-14	1.346-05	1.066-13	9.859-11	7.212-01	2.157-01	4.849-03	1.519-04	1.565-05
-.4	2.812-14	1.090-05	6.977-14	8.033-11	6.991-01	2.195-01	4.957-03	1.543-04	1.598-05
-.2	1.863-14	8.722-06	4.515-14	6.573-11	6.689-01	2.241-01	5.093-03	1.566-04	1.641-05
.0	1.237-14	6.856-06	2.868-14	5.391-11	6.305-01	2.295-01	5.261-03	1.589-04	1.694-05
.2	8.205-15	5.246-06	1.771-14	4.421-11	5.847-01	2.354-01	5.459-03	1.616-04	1.757-05
.4	5.422-15	3.869-06	1.052-14	3.616-11	5.324-01	2.414-01	5.681-03	1.653-04	1.827-05
.6	3.571-15	2.728-06	5.968-15	2.946-11	4.776-01	2.468-01	5.921-03	1.703-04	1.904-05
.8	2.354-15	1.832-06	3.236-15	2.390-11	4.210-01	2.510-01	6.171-03	1.763-04	1.986-05
1.0	1.568-15	1.176-06	1.691-15	1.935-11	3.654-01	2.534-01	6.424-03	1.833-04	2.065-05
1.2	1.071-15	7.296-07	8.683-16	1.572-11	3.124-01	2.533-01	6.675-03	1.915-04	2.145-05
1.4	7.657-16	4.442-07	4.500-16	1.288-11	2.635-01	2.501-01	6.921-03	2.010-04	2.224-05
1.6	5.890-16	2.710-07	2.440-16	1.073-11	2.191-01	2.435-01	7.161-03	2.126-04	2.301-05
1.8	5.079-16	1.696-07	1.450-16	9.175-12	1.797-01	2.331-01	7.395-03	2.265-04	2.376-05
2.0	5.249-16	1.120-07	1.012-16	8.178-12	1.449-01	2.185-01	7.626-03	2.455-04	2.450-05
2.2	7.445-16	8.188-08	9.493-17	7.819-12	1.145-01	1.995-01	7.856-03	2.729-04	2.524-05

T= 10100

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.973-01	3.96015+00	4.87339+01	5.26944+01	1.26342+02	-4.83411+00	3.96065+00
-6.8	4.958-01	3.96801+00	4.85207+01	5.24687+01	1.24307+02	-4.63545+00	3.96865+00
-6.6	4.934-01	3.97942+00	4.81937+01	5.21231+01	1.22166+02	-4.43750+00	3.97921+00
-6.4	4.898-01	3.99139+00	4.77000+01	5.16014+01	1.19869+02	-4.24061+00	3.99236+00
-6.2	4.844-01	3.86015+00	4.69726+01	5.08327+01	1.17354+02	-4.04522+00	3.86133+00
-6.0	4.765-01	3.80144+00	4.59359+01	4.97373+01	1.14552+02	-3.85188+00	3.80286+00
-5.8	4.652-01	3.72143+00	4.45219+01	4.82433+01	1.11405+02	-3.66111+00	3.72311+00
-5.6	4.500-01	3.61812+00	4.26942+01	4.63123+01	1.07887+02	-3.47334+00	3.62004+00
-5.4	4.303-01	3.49259+00	4.04714+01	4.39640+01	1.04026+02	-3.28868+00	3.49473+00
-5.2	4.060-01	3.34945+00	3.77349+01	4.12843+01	9.99133+01	-3.10685+00	3.35178+00
-5.0	3.775-01	3.19600+00	3.52133+01	3.84093+01	9.56844+01	-2.92722+00	3.19845+00
-4.8	3.457-01	3.04642+00	3.24519+01	3.54523+01	9.14871+01	-2.74889+00	3.04293+00
-4.6	3.117-01	2.89010+00	2.97819+01	3.26720+01	8.74519+01	-2.57091+00	2.89261+00
-4.4	2.768-01	2.75055+00	2.73016+01	3.00522+01	8.36731+01	-2.39241+00	2.75300+00
-4.2	2.423-01	2.62514+00	2.50712+01	2.76963+01	8.02056+01	-2.21267+00	2.62749+00
-4.0	2.092-01	2.51531+00	2.31168+01	2.56321+01	7.70692+01	-2.03123+00	2.51754+00
-3.8	1.784-01	2.42107+00	2.14391+01	2.38602+01	7.42546+01	-1.84782+00	2.42316+00
-3.6	1.505-01	2.34150+00	2.00 220+01	2.23535+01	7.17414+01	-1.66233+00	2.34344+00
-3.4	1.257-01	2.27514+00	1.88400+01	2.11152+01	6.94969+01	-1.47481+00	2.27694+00
-3.2	1.041-01	2.22037+00	1.78636+01	2.0084C+01	6.74859+01	-1.28540+00	2.22203+00
-3.0	8.562-02	2.17543+00	1.70631+01	1.92385+01	6.56735+01	-1.09428+00	2.17692+00
-2.8	7.000-02	2.13875+00	1.64100+01	1.85487+01	6.40274+01	-9.01660-01	2.14010+00
-2.6	5.696-02	2.10886+00	1.58787+01	1.79876+01	6.25183+01	-7.07780-01	2.11007+00
-2.4	4.616-02	2.08445+00	1.54464+01	1.75309+01	6.11267+01	-5.12830-01	2.08554+00
-2.2	3.730-02	2.06433+00	1.50931+01	1.71574+01	5.98122+01	-3.17650-01	2.06530+00
-2.0	3.007-02	2.04742+00	1.48006+01	1.68480+01	5.85730+01	-1.20620-01	2.04829+00
-1.8	2.420-02	2.03269+00	1.45524+01	1.65851+01	5.73855+01	7.62500-02	2.03345+00
-1.6	1.946-02	2.01905+00	1.43324+01	1.63514+01	5.62325+01	2.73320-01	2.01970+00
-1.4	1.565-02	2.00529+00	1.41235+01	1.61288+01	5.50970+01	4.70350-01	2.00583+00
-1.2	1.259-02	1.99020+00	1.39072+01	1.58972+01	5.39606+01	6.67036-01	1.99061+00
-1.0	1.015-02	1.97152+00	1.36617+01	1.56332+01	5.28029+01	8.62970-01	1.97174+00
-.8	8.206-03	1.94785+00	1.33635+01	1.53114+01	5.16020+01	1.05773+00	1.94788+00
-.6	6.666-03	1.91711+00	1.29889+01	1.49060+01	5.03371+01	1.25082+00	1.91699+00
-.4	5.451-03	1.87779+00	1.25196+01	1.43974+01	4.89938+01	1.44182+00	1.87712+00
-.2	4.497-03	1.82445+00	1.19499+01	1.37793+01	4.75750+01	1.63050+00	1.82018+00
.0	3.749-03	1.75310+00	1.12905+01	1.30436+01	4.60809+01	1.81691+00	1.77046+00
.2	3.164-03	1.71114+00	1.05684+01	1.22796+01	4.45565+01	2.00147+00	1.70775+00
.4	2.706-03	1.66695+00	9.81985+00	1.14668+01	4.30347+01	2.18485+00	1.64161+00
.6	2.343-03	1.58378+00	9.08087+00	1.06667+01	4.15520+01	2.36787+00	1.57567+00
.8	2.051-03	1.52663+00	8.38075+00	9.90539+00	4.01364+01	2.55134+00	1.51217+00
1.0	1.811-03	1.47183+00	7.73875+00	9.21058+00	3.88047+01	2.73603+00	1.45288+00
1.2	1.608-03	1.42725+00	7.16431+00	8.59156+00	3.75631+01	2.92268+00	1.39965+00
1.4	1.434-03	1.38277+00	6.65914+00	8.05191+00	3.64091+01	3.11206+00	1.34891+00
1.6	1.283-03	1.33707+00	6.21975+00	7.59053+00	3.53339+01	3.30514+00	1.30385+00
1.8	1.153-03	1.28632+00	5.83990+00	7.20487+00	3.43249+01	3.50328+00	1.26260+00
2.0	1.045-03	1.23100+00	5.51256+00	6.89356+00	3.33663+01	3.70837+00	1.22434+00
2.2	1.031-03	1.16281+00	5.23189+00	6.65992+00	3.24401+01	3.92294+00	1.19265+00

T= 1000

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.107-13	9.981-16	3.495-14	1.0.6-17	2.246-30	1.009-27	2.624-27	4.461-11	6.557-13
-6.8	2.309-12	3.805-15	1.364-13	4.295-17	2.183-29	9.768-27	2.546-26	1.107-10	1.619-12
-6.6	9.259-12	1.494-14	5.265-13	1.669-16	2.090-28	9.284-26	2.431-25	2.730-10	3.960-12
-6.4	3.537-11	5.637-14	1.999-12	6.401-16	1.955-27	8.600-25	2.264-24	6.662-10	9.551-12
-6.2	1.323-10	2.071-13	7.410-12	2.409-15	1.767-26	7.657-24	2.034-23	1.602-09	2.256-11
-6.0	4.800-10	7.327-13	2.655-11	8.831-15	1.524-25	6.453-23	1.736-22	3.773-09	5.180-11
-5.8	1.672-09	2.464-12	9.057-11	3.124-14	1.233-24	5.051-22	1.383-21	8.633-09	1.166-10
-5.6	5.527-09	7.779-12	2.936-10	1.056-13	9.204-24	3.604-21	1.010-20	1.903-08	2.409-10
-5.4	1.716-08	2.282-11	8.859-10	3.386-13	6.260-23	2.307-20	6.651-20	4.013-08	4.799-10
-5.2	4.966-08	6.167-11	2.602-09	1.024-12	3.849-22	1.314-19	3.912-19	8.043-08	9.011-10
-5.0	1.336-07	1.551-10	6.443-09	2.928-12	2.139-21	6.647-19	2.050-18	1.528-07	1.596-09
-4.8	3.341-07	3.612-10	1.555-08	7.850-12	1.079-20	3.009-18	9.618-18	2.754-07	2.677-09
-4.6	7.811-07	7.632-10	3.913-08	2.006-11	4.992-20	1.232-17	4.076-17	4.716-07	4.279-09
-4.4	1.719-06	1.626-09	7.479-08	4.873-11	2.139-19	4.625-17	1.580-16	7.709-07	6.564-09
-4.2	3.574-06	3.197-09	1.513-07	1.134-10	8.577-19	1.613-16	5.669-16	1.209-06	9.745-09
-4.0	7.098-06	6.084-09	2.932-07	2.535-10	3.240-18	5.292-16	1.906-15	1.826-06	1.430-08
-3.8	1.355-05	1.106-08	5.479-07	5.473-10	1.170-17	1.650-15	6.072-15	2.678-06	1.956-08
-3.6	2.499-05	1.969-08	9.932-07	1.144-09	4.037-17	4.938-15	1.849-14	3.821-06	2.708-08
-3.4	4.432-05	3.431-08	1.756-06	2.321-09	1.341-16	1.428-14	5.427-14	5.331-06	3.669-08
-3.2	7.852-05	5.869-08	3.039-06	4.583-09	4.302-16	4.019-14	1.545-13	7.297-06	4.905-08
-3.0	1.349-04	9.892-08	5.173-06	8.822-09	1.339-15	1.106-13	4.293-13	9.836-06	6.584-08
-2.8	2.282-04	1.647-07	8 682-06	1.659-08	4.052-15	2.988-13	1.169-12	1.309-05	8.695-08
-2.6	3.810-04	2.717-07	1.441-05	3.050-08	1.196-14	7.955-13	3.131-12	1.723-05	1.105-07
-2.4	6.293-04	4.447-07	2.368-05	5.498-08	3.449-14	2.093-12	8.276-12	2.249-05	1.429-07
-2.2	1.030-03	7.231-07	3.863-05	9.729-08	9.748-14	5.453-12	2.163-11	2.913-05	1.840-07
-2.0	1.672-03	1.170-06	6.263-05	1.693-07	2.705-13	1.409-11	5.600-11	3.751-05	2.360-07
-1.8	2.697-03	1.886-06	1.010-04	2.904-07	7.385-13	3.618-11	1.438-10	4.801-05	3.019-07
-1.6	4.318-03	3.031-06	1.620-04	4.915-07	1.988-12	9.230-11	3.662-10	6.110-05	3.856-07
-1.4	6.864-03	4.861-06	2.586-04	8.225-07	5.286-12	2.341-10	9.247-10	7.726-05	4.920-07
-1.2	1.082-02	7.788-06	4.108-04	1.363-06	1.391-11	5.905-10	2.313-09	9.696-05	6.277-07
-1.0	1.685-02	1.244-05	6.489-04	2.241-06	3.625-11	1.479-09	5.715-09	1.205-04	8.012-07
-.8	2.588-02	1.998-05	1.015-03	3.655-06	9.367-11	3.676-09	1.390-08	1.476-04	1.024-06
-.6	3.897-02	3.201-05	1.581-03	5.918-06	2.400-10	9.043-09	3.312-08	1.775-04	1.311-06
-.4	5.725-02	5.141-05	2.429-03	9.504-06	6.090-10	2.196-08	7.686-08	2.083-04	1.683-06
-.2	8.162-02	8.271-05	3.670-03	1.510-05	1.526-09	5.251-08	1.728-07	2.371-04	2.162-06
.0	1.124-01	1.332-04	5.478-03	2.360-05	3.754-09	1.233-07	3.743-07	2.602-04	2.774-06
.2	1.492-01	2.144-04	8.006-03	3.605-05	9.002-09	2.835-07	7.795-07	2.744-04	3.547-06
.4	1.909-01	3.439-04	1.147-02	5.331-05	2.084-08	6.380-07	1.559-06	2.777-04	4.502-06
.6	2.358-01	5.486-04	1.609-02	7.561-05	4.610-08	1.404-06	2.998-06	2.701-04	5.658-06
.8	2.819-01	8.674-04	2.212-02	1.021-04	9.672-08	3.025-06	5.553-06	2.540-04	7.038-06
1.0	3.274-01	1.355-03	2.979-02	1.308-04	1.918-07	6.387-06	9.933-06	2.327-04	8.675-06
1.2	3.707-01	2.087-03	3.931-02	1.594-04	3.559-07	1.325-05	1.720-05	2.099-04	1.064-05
1.4	4.106-01	3.161-03	5.089-02	1.858-04	6.431-07	2.715-05	2.892-05	1.890-04	1.310-05
1.6	4.471-01	4.697-03	6.463-02	2.089-04	1.104-06	5.534-05	4.730-05	1.728-04	1.633-05
1.8	4.794-01	6.840-03	8.058-02	2.283-04	1.839-06	1.136-04	7.534-05	1.638-04	2.099-05
2.0	5.079-01	9.744-03	9.867-02	2.443-04	3.001-06	2.392-04	1.170-04	1.661-04	2.852-05
2.2	5.330-01	1.356-02	1.186-01	2.572-04	4.850-06	5.320-04	1.773-04	1.898-04	4.295-05

T= 1000

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.316-27	1.404-10	2.358-15	6.828-12	3.908-01	5.412-07	1.045-01	8.997-10	2.329-03
-6.8	4.490-26	3.674-10	5.061-15	1.689-11	3.900-01	3.427-07	1.040-01	5.619-10	2.320-03
-6.6	2.714-25	9.022-10	1.449-14	4.145-11	3.887-01	2.174-07	1.033-01	3.550-10	2.305-03
-6.4	1.604-24	2.169-09	3.551-14	1.004-10	3.868-01	1.392-07	1.022-01	2.244-10	2.283-03
-6.2	9.164-24	5.218-09	8.597-14	2.390-10	3.839-01	8.826-08	1.005-01	1.420-10	2.250-03
-6.0	4.998-23	1.213-08	2.045-13	5.541-10	3.794-01	5.664-08	9.808-02	8.998-11	2.202-03
-5.8	2.561-22	2.727-08	4.750-13	1.241-09	3.730-01	3.659-08	9.472-02	5.711-11	2.135-03
-5.6	1.213-21	5.876-08	1.071-12	2.662-09	3.638-01	2.382-08	9.030-02	3.633-11	2.045-03
-5.4	5.243-21	1.204-07	2.332-12	5.424-09	3.515-01	1.564-08	8.480-02	2.319-11	1.932-03
-5.2	2.054-20	2.336-07	4.886-12	1.046-08	3.355-01	1.035-08	7.834-02	1.485-11	1.797-03
-5.0	7.296-20	4.286-07	9.842-12	1.906-08	3.158-01	6.888-09	7.120-02	9.544-12	1.645-03
-4.8	2.362-19	7.451-07	1.908-11	3.291-08	2.928-01	4.604-09	6.370-02	6.156-12	1.481-03
-4.6	7.044-19	1.233-06	3.566-11	5.412-08	2.672-01	3.082-09	5.616-02	3.981-12	1.315-03
-4.4	1.956-18	1.952-06	6.445-11	8.524-08	2.400-01	2.062-09	4.886-02	2.579-12	1.150-03
-4.2	5.115-18	2.975-06	1.129-10	1.293-07	2.122-01	1.375-09	4.199-02	1.672-12	9.937-04
-4.0	1.272-17	4.389-06	1.923-10	1.900-07	1.849-01	9.137-10	3.569-02	1.086-12	8.484-04
-3.8	3.037-17	6.298-06	3.187-10	2.717-07	1.589-01	6.042-10	3.004-02	7.020-13	7.167-04
-3.6	7.008-17	8.828-06	5.151-10	3.798-07	1.350-01	3.976-10	2.507-02	4.539-13	5.998-04
-3.4	1.573-16	1.214-05	8.130-10	5.210-07	1.134-01	2.604-10	2.075-02	2.929-13	4.978-04
-3.2	3.453-16	1.642-05	1.254-09	7.036-07	9.437-02	1.698-10	1.707-02	1.887-13	4.102-04
-3.0	7.442-16	2.191-05	1.894-09	9.380-07	7.792-02	1.103-10	1.396-02	1.216-13	3.360-04
-2.8	1.581-15	2.894-05	2.801-09	1.237-06	6.391-02	7.137-11	1.136-02	7.797-14	2.738-04
-2.6	3.317-15	3.787-05	4.063-09	1.619-06	5.212-02	4.607-11	9.209-03	5.002-14	2.222-04
-2.4	6.896-15	4.919-05	5.787-09	2.103-06	4.231-02	2.967-11	7.442-03	3.207-14	1.797-04
-2.2	1.423-14	6.353-05	8.106-09	2.717-06	3.422-02	1.908-11	5.999-03	2.056-14	1.450-04
-2.0	2.919-14	8.164-05	1.118-08	3.495-06	2.758-02	1.225-11	4.826-03	1.318-14	1.168-04
-1.8	5.961-14	1.045-04	1.522-08	4.483-06	2.217-02	7.861-12	3.878-03	8.453-15	9.389-05
-1.6	1.213-13	1.332-04	2.048-08	5.736-06	1.777-02	5.040-12	3.115-03	5.429-15	7.546-05
-1.4	2.463-13	1.692-04	2.727-08	7.330-06	1.421-02	3.228-12	2.501-03	3.493-15	6.065-05
-1.2	4.994-13	2.141-04	3.600-08	9.363-06	1.132-02	2.066-12	2.010-03	2.254-15	4.880-05
-1.0	1.012-12	2.696-04	4.717-08	1.197-05	8.992-03	1.319-12	1.618-03	1.459-15	3.934-05
-.8	2.053-12	3.373-04	6.141-08	1.532-05	7.103-03	8.401-13	1.305-03	9.487-16	3.181-05
-.6	4.171-12	4.186-04	7.942-08	1.967-05	5.571-03	5.321-13	1.056-03	6.201-16	2.583-05
-.4	8.504-12	5.137-04	1.019-07	2.538-05	4.327-03	3.343-13	8.579-04	4.073-16	2.106-05
-.2	1.742-11	6.210-04	1.292-07	3.295-05	3.317-03	2.075-13	6.987-04	2.686-16	1.726-05
.0	3.590-11	7.368-04	1.611-07	4.314-05	2.501-03	1.267-13	5.697-04	1.774-16	1.419-05
.2	7.450-11	8.551-04	1.955-07	5.700-05	1.849-03	7.582-14	4.639-04	1.168-16	1.148-05
.4	1.557-10	9.673-04	2.287-07	7.607-05	1.339-03	4.435-14	3.761-04	7.652-17	9.609-06
.6	3.276-10	1.070-03	2.558-07	1.025-04	9.487-04	2.539-14	3.030-04	4.978-17	7.886-06
.8	6.922-10	1.154-03	2.719-07	1.392-04	6.559-04	1.431-14	2.425-04	3.225-17	6.462-06
1.0	1.466-09	1.223-03	2.752-07	1.901-04	4.528-04	8.015-15	1.931-04	2.095-17	5.303-06
1.2	3.103-09	1.281-03	2.677-07	2.604-04	3.089-04	4.536-15	1.539-04	1.382-17	4.385-06
1.4	6.561-09	1.340-03	2.543-07	3.574-04	2.116-04	2.648-15	1.233-04	9.424-18	3.686-06
1.6	1.390-08	1.415-03	2.410-07	4.922-04	1.474-04	1.639-15	1.005-04	6.810-18	3.190-06
1.8	2.933-08	1.538-03	2.341-07	6.849-04	1.062-04	1.120-15	8.461-05	5.412-18	2.843-06
2.0	6.628-08	1.762-03	2.415-07	9.801-04	8.102-05	9.006-16	7.515-05	5.032-18	2.823-06
2.2	1.603-07	2.230-03	2.799-07	1.503-03	6.643-05	9.731-16	7.342-05	6.234-18	3.113-06

T= 1020C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	7.695-03	8.310-05	1.176-08	8.120-C7	3.172-03	1.325-03	2.713-05	5.140-06	6.756-06
-6.8	4.998-08	8.337-05	7.470-09	5.375-C7	4.590-03	2.079-03	4.260-05	8.754-06	7.650-06
-6.6	3.135-08	8.365-05	4.779-09	3.524-C7	7.818-03	3.245-03	6.653-05	1.361-07	7.246-06
-6.4	1.997-08	8.409-05	3.068-09	2.304-C7	1.217-C2	5.022-03	1.031-04	2.172-07	7.434-06
-6.2	1.266-08	8.474-05	1.989-09	1.511-C7	1.879-C2	7.681-03	1.580-04	3.403-07	7.584-06
-6.0	8.046-09	8.569-05	1.306-09	1.001-C7	2.862-C2	1.155-02	2.384-04	5.304-07	7.738-06
-5.8	5.126-09	8.704-05	8.716-10	6.728-C8	4.283-02	1.699-02	3.518-04	8.202-07	7.920-06
-5.6	3.278-09	8.886-05	5.939-10	4.616-C8	6.264-C2	2.428-02	5.054-04	1.256-06	8.147-06
-5.4	2.104-09	9.120-05	4.142-10	3.244-C8	8.911-02	3.358-02	7.030-04	1.838-06	8.431-06
-5.2	1.357-09	9.402-05	2.960-10	2.340-C8	1.228-01	4.479-02	9.461-04	2.825-06	8.781-06
-5.0	8.780-10	9.718-05	2.164-10	1.731-C8	1.636-01	5.761-02	1.223-03	4.132-06	9.193-06
-4.8	5.702-10	1.005-04	1.613-10	1.310-C8	2.107-01	7.158-02	1.530-03	5.932-06	9.659-06
-4.6	3.712-10	1.036-04	1.219-10	1.010-C8	2.624-01	8.613-02	1.853-03	8.347-06	1.016-05
-4.4	2.419-10	1.062-04	9.31C-11	7.897-C9	3.169-01	1.007-01	2.180-03	1.150-05	1.069-05
-4.2	1.576-10	1.079-04	7.139-11	6.241-C9	3.719-01	1.150-01	2.500-03	1.552-05	1.122-05
-4.0	1.026-10	1.085-04	5.476-11	4.987-C9	4.257-01	1.284-01	2.804-03	2.051-05	1.173-05
-3.8	6.670-11	1.079-04	4.182-11	3.970-C9	4.765-01	1.407-01	3.084-03	2.652-05	1.220-05
-3.6	4.325-11	1.059-04	3.17--11	3.161-C9	5.233-01	1.518-01	3.338-03	3.358-05	1.254-05
-3.4	2.790-11	1.018-04	2.386-11	2.551-C9	5.652-01	1.616-01	3.562-03	4.164-05	1.304-05
-3.2	1.807-11	9.662-05	1.774-11	2.046-C9	6.021-01	1.701-01	3.756-03	5.059-05	1.338-05
-3.0	1.164-11	9.023-05	1.303-11	1.640-C9	6.339-01	1.773-01	3.923-03	6.023-05	1.368-05
-2.8	7.485-12	8.289-05	9.450-12	1.314-C9	6.608-01	1.835-01	4.064-03	7.034-05	1.393-05
-2.6	4.808-12	7.494-05	6.761-12	1.052-C9	6.834-01	1.886-01	4.182-03	8.063-05	1.414-05
-2.4	3.085-12	6.670-05	4.775-12	8.421-10	7.020-01	1.928-01	4.280-03	9.081-05	1.432-05
-2.2	1.979-12	5.850-05	3.330-12	6.737-10	7.171-01	1.963-01	4.362-03	1.006-04	1.447-05
-2.0	1.270-12	5.063-05	2.296-12	5.388-10	7.291-01	1.993-01	4.430-03	1.098-04	1.460-05
-1.8	8.151-13	4.328-05	1.567-12	4.310-10	7.382-01	2.017-01	4.488-03	1.183-04	1.472-05
-1.6	5.239-13	3.661-05	1.060-12	3.449-10	7.446-01	2.038-01	4.538-03	1.259-04	1.482-05
-1.4	3.374-13	3.068-05	7.117-13	2.763-10	7.483-01	2.058-01	4.585-03	1.326-04	1.492-05
-1.2	2.179-13	2.551-05	4.751-13	2.217-10	7.489-01	2.076-01	4.632-03	1.385-04	1.504-05
-1.0	1.413-13	2.108-05	3.158-13	1.783-10	7.459-01	2.096-01	4.684-03	1.435-04	1.517-05
-.8	9.210-14	1.732-05	2.091-13	1.439-10	7.384-01	2.119-01	4.746-03	1.478-04	1.535-05
-.6	6.039-14	1.416-05	1.380-13	1.167-10	7.251-01	2.147-01	4.825-03	1.512-04	1.558-05
-.4	3.985-14	1.150-05	9.067-14	9.502-11	7.050-01	2.183-01	4.926-03	1.537-04	1.589-05
-.2	2.644-14	9.243-06	5.904-14	7.774-11	6.769-01	2.227-01	5.056-03	1.548-04	1.629-05
.0	1.761-14	7.316-06	3.785-14	6.380-11	6.405-01	2.279-01	5.216-03	1.537-04	1.680-05
.2	1.173-14	5.654-06	2.367-14	5.242-11	5.964-01	2.336-01	5.400-03	1.496-04	1.741-05
.4	7.803-15	4.225-06	1.429-14	4.299-11	5.460-01	2.395-01	5.625-03	1.413-04	1.810-05
.6	5.177-15	3.026-06	8.272-15	3.513-11	4.913-01	2.450-01	5.863-03	1.285-04	1.886-05
.8	3.440-15	2.066-06	4.580-15	2.861-11	4.348-01	2.493-01	6.112-03	1.116-04	1.965-05
1.0	2.309-15	1.350-06	2.444-15	2.326-11	3.787-01	2.520-01	6.366-03	9.247-05	2.047-05
1.2	1.588-15	8.500-07	1.278-15	1.895-11	3.249-01	2.522-01	6.620-03	7.315-05	2.128-05
1.4	1.142-15	5.241-07	6.727-16	1.557-11	2.747-01	2.495-01	6.870-03	5.561-05	2.208-05
1.6	8.832-16	3.228-07	3.694-16	1.301-11	2.291-01	2.433-01	7.114-03	4.092-05	2.286-05
1.8	7.662-16	2.035-07	2.219-16	1.115-11	1.882-01	2.333-01	7.353-03	2.933-05	2.363-05
2.0	7.982-16	1.352-07	1.566-16	9.966-12	1.521-01	2.191-01	7.588-03	2.057-05	2.438-05
2.2	1.149-15	9.542-08	1.494-16	9.568-12	1.204-01	2.004-01	7.823-03	1.410-05	2.514-05

T= 1020C

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	4.977-01	3.96348+C0	4.83813+01	5.23447+01	1.26467+02	-4.82947+00	3.96399+00
-6.8	4.966-01	3.95317+C0	4.82021+01	5.21553+01	1.24465+02	-4.63060+00	3.95380+00
-6.6	4.944-01	3.93721+C0	4.79260+01	5.18633+01	1.22372+02	-4.43235+00	3.93809+00
-6.4	4.913-01	3.91324+C0	4.75063+01	5.14196+01	1.20144+02	-4.23501+00	3.91420+00
-6.2	4.867-01	3.87746+C0	4.68817+01	5.07591+01	1.17725+02	-4.03900+00	3.87865+00
-6.0	4.798-01	3.82584+00	4.59792+01	4.98050+01	1.15048+02	-3.84482+00	3.82727+00
-5.8	4.699-01	3.75424+C0	4.47262+01	4.84804+01	1.12049+02	-3.65302+00	3.75594+00
-5.6	4.563-01	3.65980+C0	4.30718+01	4.67316+01	1.08687+02	-3.44409+00	3.66177+00
-5.4	4.383-01	3.54233+00	4.10120+01	4.45543+01	1.04968+02	-3.27826+00	3.54455+00
-5.2	4.157-01	3.40514+00	3.86043+01	4.20094+01	1.00960+02	-3.09541+00	3.40757+00
-5.0	3.888-01	3.25467+C0	3.59614+01	3.92161+01	9.67832+01	-2.91504+00	3.25727+00
-4.8	3.581-01	3.09900+C0	3.32248+01	3.63239+01	9.25837+01	-2.73632+00	3.10168+00
-4.6	3.248-01	2.94597+00	3.05327+01	3.34787+01	8.84998+01	-2.55832+00	2.94867+00
-4.4	2.901-01	2.80186+C0	2.79958+01	3.07977+01	8.46397+01	-2.38010+00	2.80453+00
-4.2	2.553-01	2.67086+C0	2.56881+01	2.83589+01	8.10725+01	-2.20089+00	2.67344+00
-4.0	2.215-01	2.55509+C0	2.36473+01	2.62023+01	7.78291+01	-2.02014+00	2.55754+00
-3.8	1.898-01	2.45502+C0	2.18826+01	2.43376+01	7.49114+01	-1.83749+00	2.45733+00
-3.6	1.608-01	2.37006+C0	2.03834+01	2.27534+01	7.23018+01	-1.65279+00	2.37220+00
-3.4	1.348-01	2.29889+00	1.91273+01	2.14262+01	6.99712+01	-1.46603+00	2.30087+00
-3.2	1.120-01	2.23992+00	1.80861+01	2.03260+01	6.78854+01	-1.27731+00	2.24173+00
-3.0	9.234-02	2.19143+00	1.72301+01	1.94215+01	6.60095+01	-1.08682+00	2.19309+00
-2.8	7.567-02	2.15179+C0	1.65305+C1	1.86823+01	6.43102+01	-8.94750-01	2.15329+00
-2.6	6.168-02	2.11946+C0	1.59608+01	1.80803+01	6.27572+01	-7.01320-01	2.12082+00
-2.4	5.007-02	2.09308+C0	1.54973+01	1.75904+01	6.13240+01	-5.06760-01	2.09430+00
-2.2	4.051-02	2.07141+00	1.51190+01	1.71904+01	5.99869+01	-3.11280-01	2.07250+00
-2.0	3.269-02	2.05333+00	1.48072+01	1.68606+01	5.87255+01	-1.15090-01	2.05430+00
-1.8	2.633-02	2.03776+C0	1.45450+01	1.65827+01	5.75214+01	8.16100-02	2.03862+00
-1.6	2.119-02	2.02364+00	1.43159+01	1.63395+01	5.63572+01	2.78590-01	2.02438+00
-1.4	1.704-02	2.00977+00	1.41033+01	1.61131+01	5.52158+01	4.75600-01	2.01039+00
-1.2	1.371-02	1.99480+C0	1.38888+01	1.58836+01	5.40792+01	6.72350-01	1.99528+00
-1.0	1.105-02	1.97709+C0	1.36518+01	1.56285+01	5.29275+01	8.68480-01	1.97740+00
-.8	8.929-03	1.95475+C0	1.33688+01	1.53236+01	5.17390+01	1.06355+00	1.95484+00
-.6	7.246-03	1.92581+00	1.30161+01	1.49419+01	5.04924+01	1.25707+00	1.92540+00
-.4	5.916-03	1.88860+C0	1.25734+01	1.44620+01	4.91711+01	1.44859+00	1.88797+00
-.2	4.870-03	1.84236+C0	1.20312+01	1.38736+01	4.77695+01	1.63783+00	1.84112+00
.0	4.049-03	1.78774+C0	1.13961+01	1.31839+01	4.62983+01	1.82476+00	1.78562+00
.2	3.407-03	1.72686+C0	1.06913+01	1.24181+01	4.47840+01	2.00972+00	1.72345+00
.4	2.903-03	1.66291+C0	9.95097+00	1.16135+01	4.32631+01	2.19332+00	1.65754+00
.6	2.506-03	1.59928+00	9.21183+C0	1.08111+01	4.17730+01	2.37636+00	1.59103+00
.8	2.187-03	1.53911+C0	8.50493+00	1.C044C+01	4.03436+01	2.55972+00	1.52655+00
1.0	1.927-03	1.48496+C0	7.85184+00	9.3368C+CC	3.89945+01	2.74417+00	1.46547+00
1.2	1.710-03	1.43892+00	7.26415+00	8.70307+C0	3.77346+01	2.93069+00	1.40991+00
1.4	1.523-03	1.40298+C0	6.76522+00	8.1482C+C0	3.65611+01	3.11951+00	1.35885+00
1.6	1.364-03	1.37963+00	6.29266+00	7.6723C+C0	3.54684+01	3.31222+00	1.31235+00
1.8	1.232-03	1.37256+C0	5.90095+00	7.27341+CC	3.44436+C1	3.50998+00	1.26479+00
2.0	1.136-03	1.38758+C0	5.56305+00	6.95C63+CC	3.34713+C1	3.71671+00	1.23043+00
2.2	1.105-03	1.43373+00	5.27347+00	6.7072C+C0	3.25335+01	3.92892+00	1.19369+00

T= 1000

LOG E	N2	O2	NO	CO	CO2	NO2	H2O	N2+	O2+
-7.0	3.869-13	6.866-16	2.333-14	7.195-18	1.194-30	5.556-28	1.399-27	3.436-11	4.225-13
-6.8	1.525-12	2.681-15	9.130-16	2.824-17	1.146-29	5.406-27	1.363-26	8.544-11	1.293-12
-6.6	5.935-12	1.034-14	3.540-13	1.102-16	1.123-28	5.179-26	1.310-25	2.112-10	3.176-12
-6.4	2.281-11	3.940-14	1.353-12	4.249-16	1.060-27	4.867-25	1.233-24	5.177-10	7.706-12
-6.2	8.604-11	1.463-13	5.066-12	1.612-15	9.720-27	4.385-24	1.124-23	1.253-09	1.835-11
-6.0	3.161-10	5.256-13	1.840-11	5.971-15	8.541-26	3.778-23	9.797-23	2.976-09	4.261-11
-5.8	1.120-09	1.803-12	6.413-11	2.141-14	7.083-25	3.045-22	8.023-22	6.869-09	9.554-11
-5.6	3.779-09	5.831-12	2.119-10	7.364-14	5.494-24	2.252-21	6.061-21	1.541-08	2.049-10
-5.4	1.202-08	1.758-11	6.563-10	2.409-13	3.882-23	1.502-20	4.153-20	3.307-08	4.166-10
-5.2	3.573-08	4.906-11	1.890-09	7.445-13	2.451-22	8.931-20	2.549-19	6.759-08	7.992-10
-5.0	9.878-08	1.285-10	5.045-09	2.168-12	1.412-21	4.716-19	1.393-18	1.310-07	1.445-09
-4.8	2.538-07	3.022-10	1.250-08	5.953-12	7.366-21	2.220-18	6.803-18	2.408-07	2.669-09
-4.6	6.081-07	6.743-10	2.891-08	1.947-11	3.510-20	9.415-18	2.990-17	4.201-07	4.612-09
-4.4	1.367-06	1.418-09	6.283-08	5.821-11	1.543-19	3.642-17	1.195-16	6.985-07	6.240-09
-4.2	2.901-06	2.833-09	1.294-07	9.018-11	6.925-19	1.303-16	4.408-16	1.112-06	9.353-09
-4.0	5.859-06	5.428-09	2.566-07	1.743-10	2.880-18	4.365-16	1.516-15	1.703-06	1.359-08
-3.8	1.134-05	1.004-08	4.817-07	4.459-10	8.936-18	1.385-15	4.922-15	2.524-06	1.925-08
-3.6	2.117-05	1.804-08	8.826-07	8.414-10	3.125-17	4.204-15	1.523-14	3.636-06	2.669-08
-3.4	3.836-05	3.167-08	1.573-06	1.528-09	1.050-16	1.230-14	4.526-14	5.114-06	3.636-08
-3.2	6.776-05	5.450-08	2.743-06	2.837-09	3.404-16	3.494-14	1.302-13	7.048-06	4.882-08
-3.0	1.172-04	9.232-08	4.697-06	5.439-09	1.069-15	9.686-14	3.650-13	9.552-06	6.479-08
-2.8	1.994-04	1.544-07	7.921-06	1.408-08	3.240-15	2.633-13	1.001-12	1.277-05	8.514-08
-2.6	3.344-04	2.556-07	1.319-05	2.604-08	9.689-15	7.046-13	2.694-12	1.688-05	1.110-07
-2.4	5.546-04	4.191-07	2.176-05	4.719-08	2.812-14	1.861-12	7.156-12	2.210-05	1.439-07
-2.2	9.102-04	6.830-07	3.559-05	8.390-08	7.590-14	4.866-12	1.878-11	2.870-05	1.855-07
-2.0	1.482-03	1.107-06	5.782-05	1.466-07	2.227-13	1.261-11	4.878-11	3.704-05	2.383-07
-1.8	2.395-03	1.787-06	9.339-05	2.523-07	6.106-13	3.244-11	1.256-10	4.751-05	3.052-07
-1.6	3.845-03	2.874-06	1.501-04	4.284-07	1.649-12	8.293-11	3.206-10	6.059-05	3.902-07
-1.4	6.125-03	4.612-06	2.400-04	7.190-07	4.399-12	2.108-10	8.119-10	7.680-05	4.981-07
-1.2	9.678-03	7.391-06	3.818-04	1.194-06	1.160-11	5.325-10	2.037-09	9.663-05	6.357-07
-1.0	1.513-02	1.193-05	6.040-04	1.967-06	3.031-11	1.337-09	5.050-09	1.204-04	8.115-07
-.8	2.333-02	1.835-05	9.492-04	3.215-06	7.849-11	3.329-09	1.234-08	1.482-04	1.037-06
-.6	3.532-02	3.035-05	1.479-03	5.215-06	2.015-10	8.212-09	2.956-08	1.793-04	1.328-06
-.4	5.224-02	4.876-05	2.278-03	8.394-06	5.127-10	2.001-08	6.909-08	2.119-04	1.704-06
-.2	7.506-02	7.839-05	3.663-03	1.337-05	1.289-09	4.803-08	1.566-07	2.434-04	2.190-06
.0	1.043-01	1.262-04	5.178-03	2.101-05	3.180-09	1.132-07	3.623-07	2.699-04	2.814-06
.2	1.397-01	2.030-04	7.601-03	3.231-05	7.699-09	2.617-07	7.196-07	2.879-04	3.605-06
.4	1.804-01	3.258-04	1.094-02	4.823-05	1.800-08	5.919-07	1.453-06	2.948-04	4.590-06
.6	2.246-01	5.200-04	1.542-02	6.922-05	4.031-08	1.310-06	2.818-06	2.902-04	5.792-06
.8	2.706-01	8.230-04	2.129-02	9.475-05	8.576-08	2.835-06	5.263-06	2.759-04	7.237-06
1.0	3.164-01	1.288-03	2.879-02	1.231-04	1.725-07	6.013-06	9.484-06	2.552-04	8.964-06
1.2	3.604-01	1.987-03	3.814-02	1.520-04	3.283-07	1.253-05	1.653-05	2.322-04	1.105-05
1.4	4.015-01	3.017-03	4.955-02	1.793-04	5.939-07	2.580-05	2.796-05	2.107-04	1.366-05
1.6	4.388-01	4.495-03	6.319-02	2.034-04	1.030-06	5.281-05	4.595-05	1.937-04	1.711-05
1.8	4.722-01	6.563-03	7.899-02	2.239-04	1.730-06	1.089-04	7.354-05	1.846-04	2.209-05
2.0	5.018-01	9.379-03	9.702-02	2.408-04	2.842-06	2.303-04	1.147-04	1.881-04	3.017-05
2.2	5.279-01	1.309-02	1.170-01	2.546-04	4.616-06	5.141-04	1.744-04	2.163-04	4.574-05

T= 1000

LOG E	O2-	NO+	O+	O-	N+	N++	O+	O++	A+
-7.0	5.072-27	1.111-10	1.831-15	5.681-12	3.910-01	7.599-07	1.044-01	1.329-09	2.332-03
-6.8	3.126-26	2.755-10	4.559-15	1.409-11	3.903-01	4.809-07	1.042-01	8.396-10	2.324-03
-6.6	1.901-25	6.788-10	1.130-14	3.488-11	3.893-01	3.048-07	1.039-01	5.303-10	2.312-03
-6.4	1.134-24	1.655-09	2.779-14	8.468-11	3.876-01	1.937-07	1.034-01	3.351-10	2.294-03
-6.2	6.560-24	3.974-09	6.759-14	2.025-10	3.851-01	1.235-07	1.027-01	2.120-10	2.268-03
-6.0	3.650-23	9.333-09	1.619-13	4.744-10	3.813-01	7.907-08	9.903-02	1.362-10	2.225-03
-5.8	1.916-22	2.126-08	3.795-13	1.077-09	3.757-01	5.095-08	9.603-02	8.512-11	2.167-03
-5.6	9.356-22	4.658-08	8.655-13	2.350-09	3.678-01	3.308-08	9.199-02	5.410-11	2.088-03
-5.4	4.186-21	9.729-08	1.909-12	4.881-09	3.566-01	2.165-08	8.686-02	3.467-11	1.985-03
-5.2	1.701-20	1.926-07	4.058-12	9.605-09	3.420-01	1.429-08	8.071-02	2.204-11	1.860-03
-5.0	6.256-20	3.606-07	8.282-12	1.786-08	3.237-01	9.495-09	7.375-02	1.414-11	1.715-03
-4.8	2.093-19	6.391-07	1.627-11	3.145-08	3.019-01	6.341-09	6.635-02	9.109-12	1.556-03
-4.6	6.421-19	1.076-06	3.078-11	5.261-08	2.771-01	4.244-09	5.876-02	5.894-12	1.390-03
-4.4	1.827-18	1.730-06	5.625-11	8.412-08	2.504-01	2.841-09	5.137-02	3.809-12	1.224-03
-4.2	4.877-18	2.673-06	9.955-11	1.293-07	2.227-01	1.898-09	4.433-02	2.469-12	1.064-03
-4.0	1.234-17	3.988-06	1.710-10	1.920-07	1.951-01	1.263-09	3.782-02	1.601-12	9.131-04
-3.8	2.987-17	5.778-06	2.859-10	2.772-07	1.685-01	8.372-10	3.196-02	1.037-12	7.749-04
-3.6	6.972-17	8.165-06	4.656-10	3.906-07	1.438-01	5.521-10	2.673-02	6.710-13	6.512-04
-3.4	1.580-16	1.130-05	7.401-10	5.394-07	1.213-01	3.623-10	2.219-02	4.334-13	5.424-04
-3.2	3.495-16	1.537-05	1.149-09	7.324-07	1.013-01	2.367-10	1.829-02	2.795-13	4.484-04
-3.0	7.579-16	2.062-05	1.746-09	9.808-07	8.387-02	1.540-10	1.499-02	1.799-13	3.682-04
-2.8	1.618-15	2.733-05	2.596-09	1.299-06	6.896-02	9.985-11	1.222-02	1.157-13	3.007-04
-2.6	3.409-15	3.588-05	3.785-09	1.704-06	5.636-02	6.456-11	9.921-03	7.426-14	2.445-04
-2.4	7.112-15	4.673-05	5.417-09	2.219-06	4.583-02	4.163-11	8.027-03	4.765-14	1.981-04
-2.2	1.471-14	6.048-05	7.620-09	2.873-06	3.712-02	2.680-11	6.476-03	3.056-14	1.600-04
-2.0	3.025-14	7.787-05	1.055-08	3.702-06	2.996-02	1.723-11	5.215-03	1.960-14	1.289-04
-1.8	6.187-14	9.981-05	1.442-08	4.754-06	2.411-02	1.107-11	4.193-03	1.258-14	1.038-04
-1.6	1.261-13	1.274-04	1.945-08	6.090-06	1.935-02	7.102-12	3.369-03	8.085-15	8.345-05
-1.4	2.562-13	1.621-04	2.596-08	7.787-06	1.548-02	4.555-12	2.706-03	5.204-15	6.710-05
-1.2	5.199-13	2.054-04	3.435-08	9.951-06	1.236-02	2.919-12	2.175-03	3.358-15	5.400-05
-1.0	1.054-12	2.591-04	4.511-08	1.272-05	9.827-03	1.868-12	1.751-03	2.175-15	4.353-05
-.8	2.138-12	3.249-04	5.883-08	1.628-05	7.778-03	1.192-12	1.412-03	1.414-15	3.518-05
-.6	4.343-12	4.044-04	7.626-08	2.089-05	6.116-03	7.574-13	1.142-03	9.266-16	2.855-05
-.4	8.848-12	4.980-04	9.812-08	2.692-05	4.766-03	4.779-13	9.275-04	6.078-16	2.328-05
-.2	1.810-11	6.048-04	1.250-07	3.490-05	3.669-03	2.994-13	7.554-04	4.014-16	1.907-05
.0	3.723-11	7.217-04	1.567-07	4.559-05	2.782-03	1.836-13	6.164-04	2.658-16	1.569-05
.2	7.710-11	8.432-04	1.970-07	6.009-05	2.070-03	1.108-13	5.028-04	1.758-16	1.293-05
.4	1.608-10	9.621-04	2.273-07	7.997-05	1.509-03	6.551-14	4.087-04	1.159-16	1.066-05
.6	3.374-10	1.071-03	2.582-07	1.075-04	1.077-03	3.793-14	3.305-04	7.594-17	8.778-06
.8	7.117-10	1.165-03	2.792-07	1.456-04	7.549-04	2.161-14	2.655-04	4.958-17	7.218-06
1.0	1.505-09	1.244-03	2.876-07	1.985-04	5.216-04	1.224-14	2.123-04	3.247-17	5.946-06
1.2	3.187-09	1.311-03	2.862-07	2.718-04	3.579-04	6.990-15	1.697-04	2.158-17	4.933-06
1.4	6.746-09	1.379-03	2.737-07	3.731-04	2.464-04	4.115-15	1.366-04	1.482-17	4.160-06
1.6	1.433-08	1.464-03	2.623-07	5.144-04	1.723-04	2.567-15	1.118-04	1.078-17	3.609-06
1.8	3.083-08	1.598-03	2.571-07	7.173-04	1.246-04	1.767-15	9.437-05	8.630-18	3.281-06
2.0	6.884-08	1.840-03	2.672-07	1.039-03	9.540-05	1.435-15	8.410-05	8.101-18	3.210-06
2.2	1.676-07	2.342-03	3.121-07	1.588-03	8.091-05	1.575-15	8.255-05	1.020-17	3.554-06

T= 10300

LOG E	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.089-07	8.213-05	1.559-08	1.012-06	2.676-03	1.125-03	2.253-05	4.836-08	6.551-06
-6.8	6.878-09	8.329-05	9.902-09	6.762-07	4.214-03	1.768-03	3.542-05	7.640-08	6.903-06
-6.6	4.369-08	8.353-05	6.312-09	4.456-07	6.614-03	2.766-03	5.546-05	1.206-07	7.106-06
-6.4	2.753-08	8.390-05	4.045-09	2.919-07	1.033-02	4.296-03	8.625-05	1.899-07	7.353-06
-6.2	1.745-08	8.446-05	2.613-09	1.913-07	1.599-02	6.602-03	1.329-04	2.980-07	7.514-06
-6.0	1.108-08	8.526-05	1.706-09	1.269-07	2.449-02	9.996-03	2.018-04	4.555-07	7.669-06
-5.8	7.059-09	8.647-05	1.132-09	8.439-08	3.692-02	1.483-02	3.006-04	7.220-07	7.842-06
-5.6	4.512-09	8.809-05	7.648-10	5.745-08	5.450-02	2.143-02	4.369-04	1.110-06	8.052-06
-5.4	2.896-09	9.022-05	5.286-10	4.001-08	7.837-02	3.000-02	6.160-04	1.685-06	8.315-06
-5.2	1.867-09	9.294-05	3.743-10	2.858-08	1.093-01	4.055-02	8.394-04	2.522-06	8.641-06
-5.0	1.208-09	9.536-05	2.713-10	2.095-08	1.475-01	5.284-02	1.103-03	3.713-06	9.031-06
-4.8	7.851-10	9.909-05	2.008-10	1.573-08	1.924-01	6.665-02	1.420-03	5.365-06	9.479-06
-4.6	5.114-10	1.022-04	1.511-10	1.205-08	2.426-01	8.085-02	1.718-03	7.602-06	9.972-06
-4.4	3.337-10	1.050-04	1.149-10	9.379-09	2.962-01	9.550-02	2.045-03	1.055-05	1.044-05
-4.2	2.178-10	1.070-04	8.795-11	7.388-09	3.513-01	1.099-01	2.360-03	1.434-05	1.102-05
-4.0	1.420-10	1.079-04	6.742-11	5.867-09	4.058-01	1.238-01	2.681-03	1.907-05	1.154-05
-3.8	9.245-11	1.075-04	5.134-11	4.683-09	4.579-01	1.384-01	2.972-03	2.482-05	1.203-05
-3.6	6.006-11	1.057-04	3.918-11	3.750-09	5.062-01	1.479-01	3.237-03	3.163-05	1.248-05
-3.4	3.893-11	1.024-04	2.952-11	3.006-09	5.500-01	1.582-01	3.473-03	3.947-05	1.289-05
-3.2	2.517-11	9.762-05	2.202-11	2.412-09	5.880-01	1.671-01	3.680-03	4.822-05	1.326-05
-3.0	1.624-11	9.156-05	1.622-11	1.934-09	6.224-01	1.748-01	3.858-03	5.774-05	1.357-05
-2.8	1.046-11	8.447-05	1.180-11	1.550-09	6.512-01	1.813-01	4.009-03	6.778-05	1.384-05
-2.6	6.726-12	7.667-05	8.473-12	1.242-09	6.753-01	1.868-01	4.136-03	7.806-05	1.407-05
-2.4	4.321-12	6.851-05	6.006-12	9.941-10	6.953-01	1.914-01	4.242-03	8.831-05	1.426-05
-2.2	2.774-12	6.031-05	4.201-12	7.955-10	7.117-01	1.951-01	4.330-03	9.825-05	1.442-05
-2.0	1.781-12	5.236-05	2.906-12	6.364-10	7.247-01	1.983-01	4.404-03	1.076-04	1.456-05
-1.8	1.144-12	4.489-05	1.999-12	5.091-10	7.348-01	2.009-01	4.466-03	1.163-04	1.468-05
-1.6	7.359-13	3.807-05	1.369-12	4.075-10	7.422-01	2.031-01	4.519-03	1.241-04	1.478-05
-1.4	4.742-13	3.198-05	9.378-13	3.264-10	7.468-01	2.051-01	4.569-03	1.310-04	1.489-05
-1.2	3.064-13	2.665-05	6.474-13	2.619-10	7.483-01	2.070-01	4.616-03	1.371-04	1.500-05
-1.0	1.987-13	2.206-05	4.545-13	2.106-10	7.484-01	2.090-01	4.667-03	1.426-04	1.513-05
-.8	1.295-13	1.816-05	2.685-13	1.699-10	7.402-01	2.112-01	4.727-03	1.468-04	1.530-05
-.6	8.494-14	1.487-05	1.777-13	1.376-10	7.286-01	2.139-01	4.801-03	1.505-04	1.551-05
-.4	5.608-14	1.210-05	1.171-13	1.120-10	7.103-01	2.172-01	4.897-03	1.533-04	1.580-05
-.2	3.726-14	9.770-06	7.664-14	9.162-11	6.842-01	2.213-01	5.029-03	1.548-04	1.619-05
.0	2.488-14	7.780-06	4.954-14	7.523-11	6.499-01	2.263-01	5.176-03	1.544-04	1.667-05
.2	1.664-14	6.066-06	3.134-14	6.189-11	6.076-01	2.319-01	5.359-03	1.512-04	1.725-05
.4	1.113-14	4.587-06	1.972-14	5.089-11	5.585-01	2.376-01	5.571-03	1.441-04	1.793-05
.6	7.437-15	3.334-06	1.133-14	4.171-11	5.047-01	2.431-01	5.805-03	1.326-04	1.867-05
.8	4.979-15	2.316-06	6.403-15	3.409-11	4.486-01	2.476-01	6.054-03	1.167-04	1.947-05
1.0	3.366-15	1.538-06	3.446-15	2.781-11	3.920-01	2.505-01	6.309-03	9.798-05	2.028-05
1.2	2.331-15	9.833-07	1.858-15	2.274-11	3.374-01	2.511-01	6.565-03	7.849-05	2.110-05
1.4	1.687-15	6.141-07	9.937-16	1.874-11	2.861-01	2.487-01	6.818-03	6.031-05	2.191-05
1.6	1.313-15	3.822-07	5.530-16	1.570-11	2.392-01	2.430-01	7.066-03	4.475-05	2.271-05
1.8	1.146-15	2.428-07	3.361-16	1.349-11	1.970-01	2.334-01	7.310-03	3.228-05	2.349-05
2.0	1.204-15	1.624-07	2.401-16	1.209-11	1.595-01	2.197-01	7.549-03	2.273-05	2.426-05
2.2	1.759-15	1.202-07	2.329-16	1.166-11	1.264-01	2.013-01	7.788-03	1.563-05	2.503-05

T= 10300

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.981-01	3.96626+00	4.80258+01	5.19921+01	1.26582+02	-4.82493+00	3.96675+00
-6.8	4.970-01	3.95748+00	4.78750+01	5.18324+01	1.24607+02	-4.62589+00	3.95810+00
-6.6	4.953-01	3.94392+00	4.76415+01	5.15854+01	1.22554+02	-4.42738+00	3.94470+00
-6.4	4.926-01	3.92324+00	4.72846+01	5.12078+01	1.20385+02	-4.22986+00	3.92420+00
-6.2	4.886-01	3.89224+00	4.67488+01	5.06410+01	1.18049+02	-4.03311+00	3.89342+00
-6.0	4.827-01	3.84698+00	4.59653+01	4.98123+01	1.15483+02	-3.83819+00	3.84841+00
-5.8	4.740-01	3.78320+00	4.48601+01	4.86433+01	1.12620+02	-3.64565+00	3.78491+00
-5.6	4.618-01	3.69742+00	4.33720+01	4.70689+01	1.09409+02	-3.45561+00	3.69942+00
-5.4	4.455-01	3.58830+00	4.14771+01	4.50654+01	1.05835+02	-3.26842+00	3.59058+00
-5.2	4.246-01	3.45783+00	3.92094+01	4.26672+01	1.01944+02	-3.08451+00	3.46036+00
-5.0	3.993-01	3.31143+00	3.66625+01	3.99739+01	9.78385+01	-2.90329+00	3.31416+00
-4.8	3.699-01	3.15677+00	3.39696+01	3.71264+01	9.36561+01	-2.72407+00	3.15962+00
-4.6	3.374-01	3.00197+00	3.12720+01	3.42746+01	8.95406+01	-2.54590+00	3.00487+00
-4.4	3.031-01	2.85398+00	2.86915+01	3.15455+01	8.56118+01	-2.36786+00	2.85686+00
-4.2	2.692-01	2.71780+00	2.63150+01	2.90328+01	8.19530+01	-2.18909+00	2.72061+00
-4.0	2.369-01	2.59626+00	2.41927+01	2.67890+01	7.86077+01	-2.00896+00	2.59895+00
-3.8	2.014-01	2.49040+00	2.23431+01	2.48335+01	7.55876+01	-1.82704+00	2.49294+00
-3.6	1.713-01	2.39996+00	2.07622+01	2.31621+01	7.28813+01	-1.64310+00	2.40233+00
-3.4	1.441-01	2.32385+00	1.94311+01	2.17556+01	7.04631+01	-1.45710+00	2.32605+00
-3.2	1.201-01	2.26059+00	1.83237+01	2.05842+01	6.83005+01	-1.26910+00	2.26256+00
-3.0	9.935-02	2.20834+00	1.74106+01	1.96189+01	6.63589+01	-1.07924+00	2.21070+00
-2.8	8.160-02	2.16560+00	1.66627+01	1.88283+01	6.46043+01	-8.87730-01	2.16728+00
-2.6	6.665-02	2.13071+00	1.60530+01	1.81837+01	6.30055+01	-6.94790-01	2.13222+00
-2.4	5.419-02	2.10223+00	1.55567+01	1.76589+01	6.15348+01	-5.00630-01	2.10360+00
-2.2	4.390-02	2.07890+00	1.51520+01	1.72309+01	6.01676+01	-3.05480-01	2.08012+00
-2.0	3.546-02	2.05953+00	1.48197+01	1.68792+01	5.88825+01	-1.09540-01	2.06063+00
-1.8	2.859-02	2.04304+00	1.45421+01	1.65851+01	5.76604+01	8.69700-02	2.04401+00
-1.6	2.302-02	2.02834+00	1.43027+01	1.63310+01	5.64835+01	2.83830-01	2.02917+00
-1.4	1.852-02	2.01426+00	1.40848+01	1.60991+01	5.53348+01	4.80810-01	2.01496+00
-1.2	1.491-02	1.99947+00	1.38706+01	1.58701+01	5.41964+01	6.77610-01	2.00003+00
-1.0	1.201-02	1.98242+00	1.36400+01	1.56224+01	5.30488+01	8.73890-01	1.98280+00
-.8	9.701-03	1.96124+00	1.33702+01	1.53315+01	5.18708+01	1.06922+00	1.96140+00
-.6	7.866-03	1.93395+00	1.30373+01	1.49712+01	5.06407+01	1.26314+00	1.93380+00
-.4	6.414-03	1.89877+00	1.26196+01	1.45164+01	4.93402+01	1.45516+00	1.89819+00
-.2	5.269-03	1.85464+00	1.21046+01	1.39593+01	4.79607+01	1.64495+00	1.85344+00
.0	4.371-03	1.80186+00	1.14945+01	1.32963+01	4.65083+01	1.83241+00	1.79976+00
.2	3.667-03	1.74222+00	1.08083+01	1.25506+01	4.50059+01	2.01779+00	1.73879+00
.4	3.115-03	1.67870+00	1.00783+01	1.17570+01	4.34882+01	2.20166+00	1.67331+00
.6	2.680-03	1.61477+00	9.34091+00	1.09557+01	4.[illegible]25+01	2.38480+00	1.60647+00
.8	2.333-03	1.55372+00	8.62873+00	1.01825+01	4.05510+01	2.56806+00	1.54105+00
1.0	2.051-03	1.49830+00	7.96560+00	9.46396+00	3.91854+01	2.75229+00	1.47906+00
1.2	1.817-03	1.45083+00	7.36528+00	8.81611+00	3.79064+01	2.93831+00	1.42161+00
1.4	1.618-03	1.41344+00	6.83288+00	8.24432+00	3.67150+01	3.12697+00	1.36902+00
1.6	1.449-03	1.38872+00	6.36720+00	7.75592+00	3.56046+01	3.31931+00	1.32107+00
1.8	1.310-03	1.38042+00	5.96333+00	7.34374+00	3.45639+01	3.51670+00	1.27719+00
2.0	1.211-03	1.39434+00	5.61490+00	7.00923+00	3.35776+01	3.72106+00	1.23665+00
2.2	1.163-03	1.43948+00	5.31630+00	6.75579+00	3.26279+01	3.93490+00	1.19867+00

T= 10400

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.496-13	4.748-16	1.503-14	4.757-18	6.617-31	3.090-28	7.530-28	2.662-11	4.176-13
-6.8	9.812-13	1.859-15	6.150-14	1.872-17	6.266-30	3.018-27	7.368-27	6.629-11	1.036-12
-6.6	3.830-12	7.216-15	2.378-13	7.322-17	6.078-29	2.909-26	7.123-26	1.643-10	2.552-12
-6.4	1.479-11	2.762-14	9.264-13	2.836-16	5.795-28	2.748-25	6.761-25	4.041-10	6.220-12
-6.2	5.623-11	1.035-13	3.674-12	1.083-15	5.375-27	2.520-24	6.245-24	9.829-10	1.493-11
-6.0	2.088-10	3.768-13	1.277-11	4.068-15	4.802-26	2.214-23	5.540-23	2.352-09	3.501-11
-5.8	7.505-10	1.316-12	4.525-11	1.470-14	4.078-25	1.832-22	4.649-22	5.502-09	7.955-11
-5.6	2.581-09	4.352-12	1.526-10	5.138-14	3.228-24	1.400-21	3.624-21	1.249-08	1.735-10
-5.4	8.401-09	1.367-11	4.843-10	1.712-13	2.349-23	9.707-21	2.577-20	2.721-08	3.597-10
-5.2	2.562-08	3.885-11	1.433-09	5.401-13	1.553-22	6.019-20	1.647-19	5.665-08	7.047-10
-5.0	7.275-08	1.024-10	3.931-09	1.606-12	9.272-22	3.316-19	9.393-19	1.120-07	1.301-09
-4.8	1.920-07	2.513-10	1.000-08	4.500-12	5.006-21	1.625-18	4.775-18	2.099-07	2.266-09
-4.6	4.716-07	5.739-10	2.369-08	1.191-11	2.660-20	7.146-18	2.177-17	3.731-07	3.745-09
-4.4	1.084-06	1.231-09	5.280-08	2.993-11	1.111-19	2.852-17	8.998-17	6.312-07	5.909-09
-4.2	2.369-06	2.502-09	1.106-07	7.170-11	4.258-19	1.048-16	3.412-16	1.020-06	8.965-09
-4.0	4.827-06	4.860-09	2.205-07	1.646-10	1.832-18	3.588-16	1.202-15	1.585-06	1.316-08
-3.8	9.403-06	9.035-09	4.220-07	3.634-10	6.821-18	1.140-15	3.980-15	2.376-06	1.860-08
-3.6	1.793-05	1.650-08	7.552-07	7.752-10	2.420-17	3.572-15	1.251-14	3.457-06	2.674-08
-3.4	3.202-05	2.919-08	1.403-06	1.602-09	8.231-17	1.058-14	3.771-14	4.903-06	3.526-08
-3.2	5.643-05	5.056-08	2.476-06	3.215-09	2.697-16	3.035-14	1.097-13	6.836-06	4.851-08
-3.0	1.018-04	8.609-08	4.265-06	6.279-09	8.547-16	8.483-14	3.103-13	9.279-06	6.463-08
-2.8	1.744-04	1.448-07	7.230-06	1.196-08	2.629-15	2.322-13	8.570-13	1.246-05	8.522-08
-2.6	2.939-04	2.401-07	1.209-05	2.226-08	7.868-15	6.245-13	2.322-12	1.654-05	1.114-07
-2.4	4.891-04	3.950-07	2.001-05	4.056-08	2.290-14	1.657-12	6.197-12	2.173-05	1.447-07
-2.2	8.057-04	6.451-07	3.283-05	7.246-08	6.565-14	4.344-12	1.632-11	2.831-05	1.849-07
-2.0	1.316-03	1.047-06	5.365-05	1.272-07	1.839-13	1.129-11	4.254-11	3.662-05	2.404-07
-1.8	2.132-03	1.693-06	8.649-05	2.197-07	5.062-13	2.913-11	1.098-10	4.707-05	3.083-07
-1.6	3.429-03	2.726-06	1.392-04	3.742-07	1.372-12	7.462-11	2.812-10	6.016-05	3.944-07
-1.4	5.476-03	4.378-06	2.229-04	6.297-07	3.672-12	1.900-10	7.140-10	7.641-05	5.039-07
-1.2	8.673-03	7.019-06	3.553-04	1.049-06	9.710-12	4.809-10	1.796-09	9.638-05	6.433-07
-1.0	1.360-02	1.124-05	5.630-04	1.730-06	2.542-11	1.209-09	4.468-09	1.205-04	8.215-07
-.8	2.105-02	1.800-05	8.864-04	2.833-06	6.597-11	3.019-09	1.096-08	1.489-04	1.050-06
-.6	3.204-02	2.884-05	1.386-03	4.604-06	1.698-10	7.665-09	2.640-08	1.810-04	1.345-06
-.4	4.768-02	4.628-05	2.139-03	7.426-06	4.328-10	1.825-08	6.211-08	2.155-04	1.725-06
-.2	6.902-02	7.436-05	3.282-03	1.187-05	1.092-09	4.396-08	1.418-07	2.495-04	2.218-06
.0	9.670-02	1.196-04	4.896-03	1.872-05	2.712-09	1.041-07	3.128-07	2.794-04	2.852-06
.2	1.307-01	1.924-04	7.219-03	2.898-05	6.592-09	2.417-07	6.638-07	3.013-04	3.660-06
.4	1.702-01	3.087-04	1.044-02	4.361-05	1.555-08	5.493-07	1.352-06	3.121-04	4.673-06
.6	2.138-01	4.931-04	1.478-02	6.328-05	3.522-08	1.221-06	2.647-06	3.108-04	5.919-06
.8	2.596-01	7.812-04	2.049-02	8.774-05	7.595-08	2.657-06	4.983-06	2.988-04	7.428-06
1.0	3.056-01	1.224-03	2.782-02	1.156-04	1.550-07	5.662-06	9.246-06	2.792-04	9.244-06
1.2	3.502-01	1.893-03	3.701-02	1.447-04	2.591-07	1.186-05	1.588-05	2.563-04	1.145-05
1.4	3.921-01	2.860-03	4.825-02	1.726-04	5.478-07	2.451-05	2.700-05	2.343-04	1.422-05
1.6	4.304-01	4.301-03	6.171-02	1.977-04	9.601-07	5.040-05	4.461-05	2.168-04	1.789-05
1.8	4.649-01	6.298-03	7.744-02	2.193-04	1.626-06	1.041-04	7.173-05	2.077-04	2.320-05
2.0	4.956-01	9.027-03	9.540-02	2.373-04	2.690-06	2.216-04	1.123-04	2.127-04	3.186-05
2.2	5.227-01	1.264-02	1.153-01	2.519-04	4.394-06	4.968-04	1.714-04	2.460-04	4.862-05

T= 10400

LOG D	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	3.579-27	6.344-11	1.428-15	4.740-12	3.912-01	1.080-06	1.048-01	1.971-09	2.334-03
-6.8	2.213-26	2.074-10	3.580-15	1.176-11	3.706-01	6.729-07	1.044-01	1.245-09	2.328-03
-6.6	1.353-25	5.124-10	8.638-15	2.908-11	3.697-01	4.250-07	1.039-01	7.862-10	2.318-03
-6.4	8.135-25	1.255-09	2.180-14	7.113-11	3.693-01	2.698-07	1.030-01	4.969-10	2.303-03
-6.2	4.768-24	3.031-09	5.326-14	1.716-10	3.682-01	1.717-07	1.017-01	3.141-10	2.279-03
-6.0	2.693-23	7.182-09	1.283-13	4.057-10	3.829-01	1.098-07	9.986-02	1.988-10	2.245-03
-5.8	1.446-22	1.656-08	3.034-13	9.525-10	3.780-01	7.059-08	9.718-02	1.260-10	2.195-03
-5.6	7.758-22	3.682-08	6.991-13	2.065-09	3.710-01	4.570-08	9.352-02	7.999-11	2.125-03
-5.4	3.355-21	7.830-08	1.561-12	4.370-09	3.611-01	2.983-08	8.876-02	5.091-11	2.033-03
-5.2	1.412-20	1.581-07	3.361-12	8.772-09	3.478-01	1.963-08	8.294-02	3.250-11	1.918-03
-5.0	5.379-20	3.020-07	6.959-12	1.665-08	3.309-01	1.302-08	7.623-02	2.082-11	1.781-03
-4.8	1.860-19	5.458-07	1.385-11	2.988-08	3.103-01	8.682-09	6.894-02	1.339-11	1.628-03
-4.6	5.878-19	9.355-07	2.653-11	5.087-08	2.866-01	5.809-09	6.138-02	8.638-12	1.465-03
-4.4	1.716-18	1.528-06	4.904-11	8.261-08	2.605-01	3.891-09	5.389-02	5.587-12	1.298-03
-4.2	4.679-18	2.394-06	8.769-11	1.257-07	2.330-01	2.602-09	4.670-02	3.620-12	1.135-03
-4.0	1.205-17	3.614-06	1.521-10	1.934-07	2.053-01	1.735-09	3.999-02	2.347-12	9.792-04
-3.8	2.961-17	5.289-06	2.563-10	2.819-07	1.787-01	1.152-09	3.389-02	1.521-12	8.351-04
-3.6	6.997-17	7.538-06	4.208-10	4.005-07	1.527-01	7.614-10	2.845-02	9.846-13	7.047-04
-3.4	1.601-16	1.051-05	6.735-10	5.569-07	1.293-01	5.007-10	2.368-02	6.365-13	5.892-04
-3.2	3.571-16	1.438-05	1.053-09	7.605-07	1.084-01	3.278-10	1.957-02	4.108-13	4.886-04
-3.0	7.796-16	1.938-05	1.609-09	1.023-06	9.005-02	2.136-10	1.607-02	2.647-13	4.024-04
-2.8	1.673-15	2.579-05	2.406-09	1.360-06	7.424-02	1.387-10	1.312-02	1.703-13	3.294-04
-2.6	3.542-15	3.397-05	3.527-09	1.790-06	6.081-02	8.983-11	1.067-02	1.094-13	2.684-04
-2.4	7.413-15	4.438-05	5.072-09	2.338-06	4.954-02	5.801-11	8.644-03	7.027-14	2.177-04
-2.2	1.538-14	5.757-05	7.165-09	3.033-06	4.019-02	3.739-11	6.982-03	4.510-14	1.761-04
-2.0	3.189-14	7.426-05	9.963-09	3.916-06	3.248-02	2.407-11	5.627-03	2.895-14	1.421-04
-1.8	6.495-14	9.534-05	1.365-08	5.035-06	2.617-02	1.548-11	4.527-03	1.859-14	1.145-04
-1.6	1.325-13	1.219-04	1.848-08	6.456-06	2.102-02	9.944-12	3.639-03	1.195-14	9.209-05
-1.4	2.697-13	1.553-04	2.473-08	8.263-06	1.684-02	6.385-12	2.924-03	7.696-15	7.408-05
-1.2	5.476-13	1.971-04	3.280-08	1.056-05	1.346-02	4.097-12	2.351-03	4.968-15	5.953-05
-1.0	1.111-12	2.490-04	4.316-08	1.351-05	1.072-02	2.626-12	1.892-03	3.218-15	4.807-05
-.8	2.293-12	3.129-04	5.640-08	1.728-05	8.498-03	1.680-12	1.526-03	2.093-15	3.884-05
-.6	4.576-12	3.904-04	7.325-08	2.217-05	6.698-03	1.070-12	1.234-03	1.369-15	3.151-05
-.4	9.317-12	4.824-04	9.450-08	2.855-05	5.235-03	6.780-13	1.002-03	9.004-16	2.568-05
-.2	1.904-11	5.884-04	1.208-07	3.696-05	4.047-03	4.259-13	8.257-04	5.954-16	2.103-05
.0	3.910-11	7.059-04	1.524-07	4.818-05	3.083-03	2.636-13	6.663-04	3.951-16	1.730-05
.2	8.081-11	8.300-04	1.882-07	6.335-05	2.309-03	1.605-13	5.439-04	2.625-16	1.428-05
.4	1.681-10	9.538-04	2.255-07	8.409-05	1.694-03	9.583-14	4.433-04	1.739-16	1.180-05
.6	3.521-10	1.070-03	2.597-07	1.127-04	1.219-03	5.609-14	3.596-04	1.148-16	9.743-06
.8	7.413-10	1.173-03	2.854-07	1.503-04	8.600-04	3.231-14	2.900-04	7.552-17	8.040-06
1.0	1.566-09	1.261-03	2.990-07	2.073-04	5.982-04	1.849-14	2.329-04	4.985-17	6.647-06
1.2	3.314-09	1.339-03	3.003-07	2.836-04	4.130-04	1.067-14	1.869-04	3.338-17	5.534-06
1.4	7.021-09	1.416-03	2.933-07	3.893-04	2.858-04	6.333-15	1.510-04	2.309-17	4.681-06
1.6	1.494-08	1.512-03	2.843-07	5.373-04	2.008-04	3.982-15	1.240-04	1.691-17	4.073-06
1.8	3.225-08	1.658-03	2.813-07	7.508-04	1.457-04	2.763-15	1.050-04	1.364-17	3.711-06
2.0	7.233-08	1.917-03	2.948-07	1.082-03	1.119-04	2.265-15	9.391-05	1.293-17	3.641-06
2.2	1.772-07	2.454-03	3.471-07	1.676-03	9.534-05	2.527-15	9.262-05	1.654-17	4.048-06

T= 10400

LOG C	A**	C0	C++	NE+	N	O	A	C	NE
-7.0	1.492-07	8.309-07	2.056-08	1.249-C6	2.284-03	9.552-04	1.876-05	6.227-08	6.310-06
-6.8	9.427-08	8.323-05	1.305-08	8.435-C7	3.565-C3	1.508-03	2.954-05	6.683-08	6.729-06
-6.6	5.950-08	8.343-05	8.307-09	5.598-C7	5.609-03	2.362-03	4.633-05	1.05[illegible]-07	7.935-06
-6.4	3.772-08	8.374-05	5.312-09	3.679-C7	8.775-03	3.680-03	7.227-05	1.6[illegible]-07	7.240-06
-6.2	2.390-08	8.422-05	3.420-09	2.413-C7	1.364-C2	5.679-03	1.118-04	2.[illegible]-07	7.639-06
-6.0	1.518-08	8.493-05	2.224-09	1.508-C7	2.098-02	8.669-03	1.708-04	[illegible].091-07	7.600-06
-5.8	9.863-09	8.597-05	1.466-09	1.057-C7	3.182-C2	1.293-02	2.566-04	6.362-07	7.748-06
-5.6	6.173-09	8.741-05	9.834-10	7.144-C8	4.736-C2	1.887-02	3.768-04	9.811-07	7.984-06
-5.4	3.960-09	8.934-05	6.739-10	4.933-C8	6.886-C2	2.673-02	5.380-04	1.497-06	8.209-06
-5.2	2.552-09	9.176-05	4.729-10	3.492-C8	9.710-C2	3.660-02	7.434-04	2.252-06	8.512-06
-5.0	1.652-09	9.467-05	3.399-10	2.536-C8	1.327-01	4.931-02	9.916-04	3.335-06	8.880-06
-4.8	1.074-09	9.775-05	2.497-10	1.898-C8	1.752-01	6.151-02	1.276-03	4.850-06	9.308-06
-4.6	7.000-10	1.009-04	1.867-10	1.437-C8	2.236-01	7.569-02	1.587-03	6.919-06	9.786-06
-4.4	4.592-10	1.037-04	1.415-10	1.112-C8	2.762-01	9.032-02	1.912-03	9.669-06	1.030-05
-4.2	2.988-10	1.060-04	1.060-10	8.729-C9	3.310-01	1.048-01	2.238-03	1.323-05	1.083-05
-4.0	1.951-10	1.072-04	8.274-11	6.914-C9	3.859-01	1.188-01	2.556-03	1.772-05	1.135-05
-3.8	1.273-10	1.072-04	6.378-11	5.511-C9	4.390-01	1.319-01	2.857-03	2.322-05	1.185-05
-3.6	8.283-11	1.058-04	4.816-11	4.409-C9	4.889-01	1.439-01	3.133-03	2.977-05	1.232-05
-3.4	5.378-11	1.029-04	3.637-11	3.534-C9	5.344-01	1.547-01	3.381-03	3.737-05	1.275-05
-3.2	3.483-11	9.851-05	2.720-11	2.835-C9	5.750-01	1.641-01	3.600-03	4.593-05	1.313-05
-3.0	2.251-11	9.279-05	2.010-11	2.274-C9	6.105-01	1.722-01	3.789-03	5.530-05	1.346-05
-2.8	1.452-11	8.596-05	1.467-11	1.823-C9	6.410-01	1.791-01	3.951-03	6.526-05	1.375-05
-2.6	9.348-12	7.834-05	1.057-11	1.461-C9	6.668-01	1.850-01	4.087-03	7.553-05	1.399-05
-2.4	6.012-12	7.027-05	7.514-12	1.170-C9	6.883-01	1.898-01	4.202-03	8.583-05	1.419-05
-2.2	3.864-12	6.208-05	5.275-12	9.365-10	7.059-01	1.939-01	4.297-03	9.587-05	1.437-05
-2.0	2.483-12	5.408-05	3.660-12	7.494-10	7.201-01	1.972-01	4.376-03	1.054-04	1.451-05
-1.8	1.596-12	4.651-05	2.512-12	5.997-10	7.312-01	2.000-01	4.442-03	1.143-04	1.464-05
-1.6	1.027-12	3.955-05	1.708-12	4.801-10	7.395-01	2.024-01	4.500-03	1.223-04	1.475-05
-1.4	6.622-13	3.330-05	1.153-12	3.866-10	7.449-01	2.044-01	4.551-03	1.295-04	1.485-05
-1.2	4.280-13	2.780-05	7.728-13	3.085-10	7.475-01	2.064-01	4.599-03	1.357-04	1.496-05
-1.0	2.777-13	2.305-05	5.158-13	2.480-10	7.466-01	2.083-01	4.650-03	1.412-04	1.509-05
-.8	1.810-13	1.901-05	3.430-13	2.000-10	7.416-01	2.105-01	4.708-03	1.458-04	1.525-05
-.6	1.187-13	1.559-05	2.275-13	1.619-10	7.315-01	2.130-01	4.779-03	1.497-04	1.545-05
-.4	7.842-14	1.272-05	1.505-13	1.317-10	7.150-01	2.162-01	4.870-03	1.527-04	1.573-05
-.2	5.216-14	1.031-05	9.896-14	1.077-10	6.909-01	2.201-01	4.987-03	1.544-04	1.609-05
.0	3.490-14	8.250-06	6.441-14	8.845-11	6.588-01	2.248-01	5.134-03	1.549-04	1.654-05
.2	2.344-14	6.483-06	4.117-14	7.284-11	6.182-01	2.302-01	5.312-03	1.525-04	1.711-05
.4	1.576-14	4.956-06	2.560-14	6.000-11	5.706-01	2.359-01	5.519-03	1.466-04	1.776-05
.6	1.060-14	3.653-06	1.536-14	4.933-11	5.177-01	2.413-01	5.750-03	1.363-04	1.850-05
.8	7.146-15	2.578-06	8.851-15	4.046-11	4.617-01	2.460-01	5.996-03	1.215-04	1.929-05
1.0	4.868-15	1.760-06	4.918-15	3.313-11	4.051-01	2.490-01	6.252-03	1.033-04	2.010-05
1.2	3.394-15	1.130-06	2.671-15	2.710-11	3.498-01	2.499-01	6.510-03	8.384-05	2.093-05
1.4	2.472-15	7.153-07	1.453-15	2.248-11	2.976-01	2.479-01	6.767-03	6.513-05	2.175-05
1.6	1.935-15	4.500-07	8.200-16	1.887-11	2.494-01	2.426-01	7.019-03	4.875-05	2.256-05
1.8	1.700-15	2.883-07	5.045-16	1.626-11	2.058-01	2.335-01	7.266-03	3.540-05	2.335-05
2.0	1.802-15	1.941-07	3.650-16	1.462-11	1.670-01	2.202-01	7.511-03	2.505-05	2.414-05
2.2	2.672-15	1.446-07	3.603-16	1.416-11	1.326-01	2.022-01	7.754-03	1.728-05	2.492-05

T= 10400

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.984-01	3.98857+00	4.76695+01	5.16301+01	1.26688+02	-4.82048+00	3.96904+00
-6.8	4.974-01	3.98108+00	4.75421+01	5.15032+01	1.24735+02	-4.62130+00	3.96169+00
-6.6	4.960-01	3.97148+00	4.73645+01	5.12966+01	1.22716+02	-4.42257+00	3.95025+00
-6.4	4.937-01	3.93170+00	4.70408+01	5.09725+01	1.20597+02	-4.22453+00	3.93265+00
-6.2	4.903-01	3.90436+00	4.65816+01	5.04864+01	1.18333+02	-4.02751+00	3.90604+00
-6.0	4.851-01	3.86526+00	4.59029+01	4.97682+01	1.15864+02	-3.83193+00	3.86670+00
-5.8	4.775-01	3.80868+00	4.49320+01	4.87406+01	1.13126+02	-3.63834+00	3.81040+00
-5.6	4.667-01	3.73120+00	4.36008+01	4.73326+01	1.10058+02	-3.44726+00	3.73323+00
-5.4	4.520-01	3.63054+00	4.18696+01	4.55002+01	1.06631+02	-3.25914+00	3.63286+00
-5.2	4.328-01	3.50740+00	3.97498+01	4.32572+01	1.02866+02	-3.07413+00	3.51003+00
-5.0	4.090-01	3.36603+00	3.73137+01	4.06797+01	9.88471+01	-2.89199+00	3.36383+00
-4.8	3.810-01	3.21347+00	3.46824+01	3.78955+01	9.47006+01	-2.71214+00	3.21649+00
-4.6	3.496-01	3.05787+00	3.19964+01	3.50543+01	9.05707+01	-2.53369+00	3.06097+00
-4.4	3.158-01	2.90675+00	2.93859+01	3.22927+01	8.65868+01	-2.35571+00	2.90985+00
-4.2	2.810-01	2.76587+00	2.69503+01	2.97162+01	8.28456+01	-2.17728+00	2.76891+00
-4.0	2.464-01	2.63881+00	2.47522+01	2.73916+01	7.56037+01	-1.99770+00	2.64174+00
-3.8	2.131-01	2.52723+00	2.28206+01	2.53478+01	7.62832+01	-1.81667+00	2.53001+00
-3.6	1.820-01	2.43126+00	2.11585+01	2.35898+01	7.36801+01	-1.63328+00	2.43327+00
-3.4	1.537-01	2.35009+00	1.97519+01	2.21022+01	7.09732+01	-1.44803+00	2.35251+00
-3.2	1.286-01	2.28231+00	1.85769+01	2.08592+01	6.87320+01	-1.26074+00	2.28454+00
-3.0	1.066-01	2.22625+00	1.76050+01	1.98312+01	6.67224+01	-1.07154+00	2.22830+00
-2.8	8.781-02	2.18023+00	1.68072+01	1.89874+01	6.49103+01	-8.80610-01	2.18209+00
-2.6	7.187-02	2.14262+00	1.61556+01	1.82982+01	6.32637+01	-6.88170-01	2.14431+00
-2.4	5.854-02	2.11194+00	1.56250+01	1.77365+01	6.17534+01	-4.94630-01	2.11346+00
-2.2	4.749-02	2.08647+00	1.51926+01	1.72794+01	6.03547+01	-2.99630-01	2.08819+00
-2.0	3.841-02	2.06607+00	1.48383+01	1.69044+01	5.90444+01	-1.03970-01	2.06730+00
-1.8	3.099-02	2.04856+00	1.45441+01	1.65926+01	5.78028+01	9.23300-02	2.04966+00
-1.6	2.497-02	2.03317+00	1.42930+01	1.63262+01	5.66120+01	2.99060-01	2.03411+00
-1.4	2.010-02	2.01876+00	1.40685+01	1.60872+01	5.54545+01	4.85370-01	2.01957+00
-1.2	1.618-02	2.00405+00	1.38529+01	1.58569+01	5.43126+01	6.82800-01	2.00469+00
-1.0	1.304-02	1.98750+00	1.36268+01	1.56143+01	5.31673+01	8.79190-01	1.98796+00
-.8	1.053-02	1.96733+00	1.33688+01	1.53353+01	5.19977+01	1.07476+00	1.96755+00
-.6	8.530-03	1.94154+00	1.30527+01	1.49942+01	5.07821+01	1.26903+00	1.94166+00
-.4	6.946-03	1.90826+00	1.26583+01	1.45665+01	4.95010+01	1.46153+00	1.90774+00
-.2	5.697-03	1.86621+00	1.21694+01	1.40356+01	4.81427+01	1.65185+00	1.86505+00
.0	4.715-03	1.81531+00	1.15863+01	1.33996+01	4.67096+01	1.83984+00	1.81324+00
.2	3.945-03	1.75704+00	1.09181+01	1.26751+01	4.52206+01	2.02567+00	1.75362+00
.4	3.341-03	1.69414+00	1.02001+01	1.18943+01	4.37090+01	2.20984+00	1.68874+00
.6	2.866-03	1.63009+00	9.46832+00	1.10984+01	4.22088+01	2.39310+00	1.62174+00
.8	2.488-03	1.56836+00	8.75051+00	1.03188+01	4.07548+01	2.57631+00	1.55553+00
1.0	2.182-03	1.51171+00	8.07858+00	9.59026+00	3.93759+01	2.76035+00	1.49232+00
1.2	1.930-03	1.46295+00	7.46649+00	8.92934+00	3.80793+01	2.94609+00	1.43342+00
1.4	1.718-03	1.42404+00	6.92111+00	8.34415+00	3.68697+01	3.13441+00	1.37933+00
1.6	1.539-03	1.39796+00	6.44256+00	7.84052+00	3.57423+01	3.32638+00	1.32993+00
1.8	1.393-03	1.38841+00	6.02671+00	7.41512+00	3.46853+01	3.52140+00	1.28471+00
2.0	1.290-03	1.40122+00	5.66764+00	7.06985+00	3.36843+01	3.72139+00	1.24297+00
2.2	1.266-03	1.44534+00	5.35997+00	6.80531+00	3.27233+01	3.96086+00	1.20393+00

T= 10500

LOG D	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.619-13	9.302-16	1.261-14	9.187-18	3.485-31	1.735-28	4.097-28	2.064-11	9.351-13
-6.8	6.361-13	1.248-15	4.171-14	1.249-17	3.424-30	1.770-27	4.022-27	9.157-11	8.428-13
-6.6	2.490-12	5.048-15	1.619-13	4.496-17	3.331-29	1.647-26	3.907-26	1.280-10	2.057-12
-6.4	9.554-12	1.943-14	6.293-13	1.903-16	3.193-28	1.569-25	3.735-25	5.159-10	5.035-12
-6.2	3.695-11	7.362-14	2.393-12	7.108-16	2.991-27	1.458-24	3.487-24	7.719-10	1.216-11
-6.0	1.385-10	2.733-13	8.839-12	2.755-15	2.712-26	1.301-23	3.144-23	1.959-09	2.876-11
-5.8	5.042-10	9.592-13	3.104-11	1.012-14	2.346-25	1.101-22	2.696-22	4.369-09	6.616-11
-5.6	1.764-09	3.237-12	1.098-10	3.587-14	1.903-24	8.674-22	2.162-21	1.007-08	1.465-10
-5.4	5.843-09	1.027-11	3.545-10	1.217-13	1.412-23	6.234-21	1.591-20	2.210-[illegible]	3.095-10
-5.2	1.832-08	3.077-11	1.082-09	3.814-13	9.831-23	4.026-20	1.058-19	4.724-08	6.184-10
-5.0	5.340-08	8.248-11	3.049-09	1.189-12	6.044-22	2.513-19	6.284-19	9.519-[illegible]8	1.165-09
-4.8	1.446-07	2.077-10	7.984-09	3.397-12	3.789-21	1.180-18	3.326-18	1.815-07	2.070-09
-4.6	3.663-07	4.899-10	1.933-08	9.166-12	1.718-20	5.389-18	1.515-17	3.291-07	3.682-09
-4.4	8.576-07	1.064-09	4.358-08	2.342-11	7.975-20	2.221-17	6.232-17	5.672-07	5.577-09
-4.2	1.826-06	2.201-09	9.387-08	5.698-11	3.475-19	8.385-17	2.628-16	9.316-07	8.570-09
-4.0	3.968-06	4.333-09	1.926-07	1.326-10	1.375-18	2.939-16	9.491-16	1.467-06	1.271-08
-3.8	7.916-06	8.219-09	3.726-07	2.963-10	5.208-18	9.682-16	3.209-15	2.227-06	1.832-08
-3.6	1.517-05	1.506-08	6.944-07	6.387-10	1.875-17	3.030-15	1.027-14	3.274-06	2.577-08
-3.4	2.807-05	2.696-08	1.262-06	1.332-09	6.459-17	9.090-15	3.138-14	4.684-06	3.552-08
-3.2	5.049-05	4.684-08	2.234-06	2.696-09	2.140-16	2.635-14	9.238-14	6.550-06	4.817-08
-3.0	8.866-05	8.021-08	3.874-06	5.304-09	6.846-16	7.429-14	2.637-13	8.986-06	6.444-08
-2.8	1.526-04	1.353-07	6.602-06	1.018-08	2.123-15	2.047-13	7.342-13	1.213-05	8.525-08
-2.6	2.585-04	2.290-07	1.109-05	1.914-08	6.402-15	5.539-13	2.002-12	1.617-05	1.118-07
-2.4	4.321-04	3.781-07	1.842-05	3.491-08	1.882-14	1.476-12	5.370-12	2.132-05	1.455-07
-2.2	7.143-04	6.092-07	3.030-05	6.267-08	5.407-14	3.886-12	1.421-11	2.765-05	1.883-07
-2.0	1.170-03	9.910-07	4.946-05	1.105-07	1.522-13	1.013-11	3.716-11	3.612-05	2.426-07
-1.8	1.900-03	1.604-06	8.020-05	1.916-07	4.208-13	2.619-11	9.623-11	4.654-05	3.114-07
-1.6	3.043-03	2.561-06	1.283-04	3.274-07	1.145-12	6.723-11	2.470-10	5.960-05	3.988-07
-1.4	4.903-03	4.157-06	2.074-04	5.525-07	3.073-12	1.715-10	6.287-10	7.587-05	5.098-07
-1.2	7.785-03	6.668-06	3.310-04	9.222-07	8.149-12	4.348-10	1.596-09	9.592-05	6.512-07
-1.0	1.224-02	1.068-05	5.254-04	1.525-06	2.138-11	1.096-09	3.958-09	1.203-04	8.319-07
-.8	1.902-02	1.711-05	8.287-04	2.501-06	5.561-11	2.760-09	9.747-09	1.492-04	1.063-06
-.6	2.908-02	2.761-05	1.297-03	4.073-06	1.434-10	6.793-09	2.359-08	1.822-04	1.362-06
-.4	4.353-02	4.395-05	2.009-03	6.582-06	3.664-10	1.665-08	5.584-08	2.182-04	1.747-06
-.2	6.346-02	7.058-05	3.074-03	1.054-05	9.267-10	4.027-08	1.285-07	2.547-04	2.244-06
.0	8.963-02	1.135-04	4.632-03	1.669-05	2.311-09	9.575-08	2.957-07	2.879-04	2.900-06
.2	1.222-01	1.824-04	6.858-03	2.597-05	5.652-09	2.233-07	6.117-07	3.137-04	3.715-06
.4	1.606-01	2.928-04	9.957-03	3.941-05	1.344-08	5.099-07	1.258-06	3.287-04	4.755-06
.6	2.033-01	4.678-04	1.416-02	5.777-05	3.077-08	1.139-06	2.483-06	3.310-04	6.044-06
.8	2.498-01	7.419-04	1.972-02	8.109-05	6.720-08	2.490-06	4.713-06	3.217-04	7.618-06
1.0	2.949-01	1.164-03	2.689-02	1.083-04	1.391-07	5.332-06	8.620-06	3.037-04	9.524-06
1.2	3.400-01	1.803-03	3.591-02	1.371-04	2.720-07	1.122-05	1.523-05	2.813-04	1.185-05
1.4	3.827-01	2.749-03	4.699-02	1.658-04	5.047-07	2.329-05	2.606-05	2.591-04	1.478-05
1.6	4.220-01	4.116-03	6.020-02	1.918-04	8.941-07	4.810-05	4.328-05	2.413-04	1.869-05
1.8	4.575-01	6.043-03	7.562-02	2.145-04	1.528-06	1.000-04	6.990-05	2.325-04	2.435-05
2.0	4.893-01	8.686-03	9.381-02	2.339-04	2.546-06	2.133-04	1.100-04	2.393-04	3.360-05
2.2	5.174-01	1.220-02	1.137-01	2.491-04	4.182-06	4.800-04	1.684-04	2.786-04	5.163-05

T= 10500

LOG D	C2-	NO+	CO+	O-	N+	N2+	O+	O2+	A+
-7.0	2.576-27	6.302-11	1.118-15	3.966-12	3.914-01	1.471-06	1.048-01	2.902-09	2.336-03
-6.8	1.598-26	1.569-10	2.791-15	9.870-12	3.909-01	9.300-07	1.045-01	1.832-09	2.331-03
-6.6	9.813-26	3.885-10	6.941-15	2.443-11	3.901-01	5.889-07	1.041-01	1.157-09	2.323-03
-6.4	5.939-25	9.547-10	1.716-14	5.998-11	3.889-01	3.735-07	1.033-01	7.310-10	2.310-03
-6.2	3.516-24	2.319-09	4.209-14	1.455-10	3.871-01	2.375-07	1.022-01	4.621-10	2.290-03
-6.0	2.015-23	5.536-09	1.020-13	3.467-10	3.843-01	1.516-07	1.006-01	2.923-10	2.261-03
-5.8	1.103-22	1.290-08	2.428-13	8.057-10	3.800-01	9.727-08	9.820-02	1.851-10	2.218-03
-5.6	5.680-22	2.908-08	5.649-13	1.810-09	3.738-01	6.282-08	9.489-02	1.175-10	2.157-03
-5.4	2.707-21	6.2[illegible]	[illegible]	3.995-[illegible]	3.650-[illegible]	[illegible]09-08	9.051-02	7.447-[illegible]	6.[illegible]-03
-5.2	1.178-20	1.49[illegible]	[illegible]12	7.969-09	3.537-01	2.66[illegible]-08	8.503-02	4.764-[illegible]	[illegible]-03
-5.0	4.648-20	2.521-07	5.839-12	1.543-08	3.375-01	1.775-08	7.860-02	3.045-11	1.842-03
-4.8	1.662-19	4.645-07	1.178-11	2.823-08	3.182-01	1.182-08	7.146-02	1.955-11	1.696-03
-4.6	5.414-19	8.108-07	2.285-11	4.894-08	2.956-01	7.904-09	6.395-02	1.260-11	1.537-03
-4.4	1.623-18	1.346-06	4.272-11	8.075-08	2.702-01	5.295-09	5.640-02	8.140-12	1.371-03
-4.2	4.526-18	2.139-06	7.718-11	1.276-07	2.431-01	3.545-09	4.908-02	5.270-12	1.206-03
-4.0	1.168-17	3.270-06	1.351-10	1.940-07	2.154-01	2.367-09	4.219-02	3.416-12	1.046-03
-3.8	2.965-17	4.835-06	2.297-10	2.857-07	1.880-01	1.575-09	3.588-02	2.214-12	8.968-04
-3.6	7.095-17	6.953-06	3.801-10	4.094-07	1.618-01	1.043-09	3.022-02	1.434-12	7.602-04
-3.4	1.641-16	9.765-06	6.126-10	5.734-07	1.376-01	6.872-10	2.522-02	9.278-13	6.381-04
-3.2	3.691-16	1.345-05	9.643-10	7.878-07	1.158-01	4.508-10	2.089-02	5.993-13	5.310-04
-3.0	8.114-16	1.822-05	1.483-09	1.065-06	9.646-02	2.944-10	1.719-02	3.845-13	4.385-04
-2.8	1.751-15	2.435-05	2.231-09	1.42[illegible]06	7.974-02	1.915-10	1.407-02	2.489-13	3.599-04
-2.6	3.724-15	3.218-05	3.286-09	1.878-06	6.546-02	1.242-10	1.146-02	1.601-13	2.938-04
-2.4	7.824-15	4.216-05	4.749-09	2.459-06	5.344-02	8.031-11	9.292-03	1.029-13	2.388-04
-2.2	1.628-14	5.482-05	6.739-09	3.198-06	4.342-02	5.183-11	7.514-03	6.607-14	1.934-04
-2.0	3.363-14	7.086-05	9.467-09	4.135-06	3.514-02	3.340-11	6.061-03	4.243-14	1.562-04
-1.8	6.906-14	9.114-05	1.294-08	5.326-06	2.835-02	2.150-11	4.880-03	2.727-14	1.260-04
-1.6	1.412-13	1.157-04	1.756-08	6.837-06	2.280-02	1.383-11	3.925-03	1.754-14	1.014-04
-1.4	2.875-13	1.489-04	2.357-08	8.757-06	1.829-02	8.892-12	3.155-03	1.130-14	8.163-05
-1.2	5.844-13	1.892-04	3.133-08	1.120-05	1.463-02	5.713-12	2.537-03	7.297-15	6.572-05
-1.0	1.186-12	2.394-04	4.131-08	1.433-05	1.167-02	3.667-12	2.042-03	4.728-15	5.298-05
-.8	2.407-12	3.015-04	5.409-08	1.834-05	9.265-03	2.350-12	1.647-03	3.076-15	4.281-05
-.6	4.888-12	3.770-04	7.039-08	2.351-05	7.318-03	1.502-12	1.331-03	2.012-15	3.471-05
-.4	9.946-12	4.673-04	9.103-08	3.025-05	5.736-03	9.568-13	1.080-03	1.324-15	2.827-05
-.2	2.030-11	5.723-04	1.168-07	3.912-05	4.451-03	6.022-13	8.796-04	8.765-16	2.315-05
.0	4.165-11	6.900-04	1.480-07	5.091-05	3.407-03	3.754-13	7.184-04	5.829-16	1.905-05
.2	8.591-11	8.162-04	1.841-07	6.680-05	2.565-03	2.304-13	5.875-04	3.885-16	1.574-05
.4	1.784-10	9.444-04	2.229-07	8.844-05	1.895-03	1.389-13	4.798-04	2.588-16	1.302-05
.6	3.728-10	1.067-03	2.601-07	1.182-04	1.372-03	8.213-14	3.903-04	1.719-16	1.078-05
.8	7.834-10	1.179-03	2.903-07	1.594-04	9.754-04	4.783-14	3.160-04	1.139-16	8.929-06
1.0	1.653-09	1.277-03	3.092-07	2.166-04	6.831-04	2.766-14	2.548-04	7.579-17	7.408-06
1.2	3.496-09	1.385-03	3.157-07	2.959-04	4.745-04	1.611-14	2.053-04	5.114-17	6.189-06
1.4	7.412-09	1.452-03	3.128-07	4.062-04	3.301-04	9.652-15	1.669-04	3.563-17	5.251-06
1.6	1.580-08	1.559-03	3.070-07	5.611-04	2.329-04	6.118-15	1.371-04	2.628-17	4.582-06
1.8	3.421-08	1.717-03	3.068-07	7.856-04	1.697-04	4.280-15	1.166-04	2.136-17	4.186-06
2.0	7.704-08	1.996-03	3.242-07	1.135-03	1.308-04	3.543-15	1.046-04	2.044-17	4.119-06
2.2	1.899-07	2.570-03	3.819-07	1.768-03	1.120-04	4.019-15	1.037-04	2.660-17	4.590-06

T= 10000

LOG C	A**	I*	I**	NE*	N	P	A	C	NF
-7.0	2.033-07	8.914-08	2.441-08	2.422-06	1.621-01	9.181-04	1.547-05	3.761-05	8.033-06
-6.8	1.294-07	4.534-08	1.552-08	1.542-06	1.031-01	1.284-03	2.471-05	5.960-05	6.525-06
-6.6	8.119-08	8.334-05	1.944-08	6.447-07	4.744-03	2.022-03	3.881-05	9.259-05	6.838-06
-6.4	5.137-08	8.361-05	6.914-09	4.009-07	2.676-03	3.157-03	4.004-05	1.662-07	7.154-06
-6.2	3.255-08	8.414-05	4.643-09	2.527-07	1.165-02	4.890-03	9.420-05	2.244-07	7.357-06
-6.0	2.065-08	8.466-05	3.284-09	1.593-07	1.798-02	7.604-03	1.447-04	3.431-07	7.528-06
-5.8	1.315-08	8.554-05	1.894-09	1.127-07	2.744-02	1.127-02	2.143-04	5.614-07	7.635-06
-5.6	8.335-09	8.642-05	1.262-09	9.449-08	4.114-02	1.660-02	3.269-04	8.685-07	7.883-06
-5.4	5.281-09	8.855-05	8.598-10	8.227-08	6.032-02	2.378-02	4.688-04	1.339- 6	8.110-06
-5.2	3.467-09	9.078-05	5.969-10	8.263-08	8.806-02	3.295-02	6.543-04	2.01. 06	8.333-06
-5.0	2.244-09	9.367-05	4.253-10	8.069-08	1.140-01	4.405-02	8.978-04	2.995-06	8.736-06
-4.8	1.459-09	9.648-05	3.033-10	7.966-08	1.541-01	5.479-02	1.159-03	4.383-06	9.146-06
-4.6	9.515-10	9.959-05	2.3 4-10	8.711-08	2.055-01	7.068-02	1.460-03	6.296-06	9.609-06
-4.4	6.221-10	1.025-04	1.734-10	1.317-07	2.548-01	8.520-02	1.761-03	8.855-06	1.011-05
-4.2	4.071-10	1.049-04	1.343-10	1.029-07	3.110-01	9.991-02	2.109-03	1.223-05	1.064-05
-4.0	2.653-10	1.084-04	1.012-10	8.123-09	3.861-01	1.140-01	2.531-03	1.644-05	1.116-05
-3.8	1.743-10	1.144-04	7.749-11	6.447-09	4.201-01	1.275-01	2.740-03	2.169-05	1.167-05
-3.6	1.134-10	1.253-04	5.997-11	5.169-09	4.712-01	1.359-01	3.026-03	2.800-05	1.218-05
-3.4	7.377-11	1.433-04	4.662-11	4.141-09	5.184-01	1.510-01	3.286-03	3.536-05	1.260-05
-3.2	4.744-11	1.678-05	3.344-11	3.321-09	5.609-01	1.603-01	3.516-03	4.372-05	1.300-05
-3.0	3.049-11	1.939-05	2.479-11	2.665-09	5.982-01	1.696-01	3.717-03	5.293-05	1.335-05
-2.8	2.032-11	2.236-05	1.815-11	2.137-09	6.305-01	1.768-01	3.890-03	6.278-05	1.365-05
-2.6	1.291-11	2.594-05	1.312-11	1.713-09	6.579-01	1.830-01	4.036-03	7.302-05	1.391-05
-2.4	8.310-12	3.138-05	9.357-12	1.372-09	6.809-01	1.882-01	4.157-03	8.356-05	1.412-05
-2.2	5.346-12	6.382-05	6.591-12	1.099-09	6.998-01	1.925-01	4.261-03	9.350-05	1.431-05
-2.0	3.439-12	5.678-05	4.587-12	8.794-10	7.152-01	1.961-01	4.346-03	1.032-04	1.446-05
-1.8	2.212-12	4.812-05	3.157-12	7.042-10	7.273-01	1.991-01	4.418-03	1.122-04	1.459-05
-1.6	1.425-12	4.102-05	2.153-12	5.638-10	7.365-01	2.016-01	4.479-03	1.205-04	1.471-05
-1.4	9.190-13	3.462-05	1.454-12	4.517-10	7.429-01	2.037-01	4.532-03	1.278-04	1.482-05
-1.2	5.963-13	2.897-05	9.786-13	3.623-10	7.463-01	2.057-01	4.583-03	1.343-04	1.493-05
-1.0	3.857-13	2.407-05	6.545-13	2.917-10	7.444-01	2.077-01	4.634-03	1.400-04	1.505-05
-.8	2.515-13	1.988-05	4.362-13	2.347-10	7.426-01	2.098-01	4.690-03	1.448-04	1.520-05
-.6	1.650-13	1.633-05	2.900-13	1.899-10	7.339-01	2.122-01	4.758-03	1.489-04	1.540-05
-.4	1.090-13	1.336-05	1.923-13	1.544-10	7.191-01	2.152-01	4.845-03	1.521-04	1.565-05
-.2	7.256-14	1.095-05	1.279-13	1.262-10	6.984-01	2.189-01	4.956-03	1.544-04	1.599-05
.0	4.846-14	8.726-06	8.319-14	1.037-10	6.666-01	2.234-01	5.096-03	1.551-04	1.663-05
.2	3.277-14	6.905-06	5.367-14	8.543-11	6.231-01	2.284-01	5.267-03	1.536-04	1.697-05
.4	2.213-14	5.331-06	3.381-14	7.044-11	5.820-01	2.342-01	5.469-03	1.487-04	1.761-05
.6	1.498-14	3.580-06	2.061-14	5.812-11	5.502-01	2.396-01	5.695-03	1.396-04	1.833-05
.8	1.017-14	2.651-06	1.210-14	4.782-11	4.747-01	2.443-01	5.940-03	1.259-04	1.911-05
1.0	6.979-15	1.956-06	6.860-15	3.930-11	4.180-01	2.476-01	6.196-03	1.085-04	1.993-05
1.2	4.971-15	1.290-06	3.797-15	3.236-11	3.622-01	2.487-01	6.454-03	8.914-05	2.076-05
1.4	3.593-15	8.780-07	2.101-15	2.684-11	3.090-01	2.471-01	6.715-03	7.003-05	2.159-05
1.6	2.871-15	5.268-07	1.203-15	2.260-11	2.597-01	2.422-01	6.971-03	5.292-05	2.241-05
1.8	2.506-15	3.495-07	7.500-16	1.953-11	2.148-01	2.335-01	7.223-03	3.870-05	2.321-05
2.0	2.677-15	2.310-07	5.497-16	1.760-11	1.746-01	2.206-01	7.471-03	2.752-05	2.401-05
2.2	4.037-15	1.734-07	5.527-16	1.713-11	1.389-01	2.023-01	7.719-03	1.905-05	2.481-05

T= 10500

LOG C	E-	I	E/RT	M/RT	S/P	LOG P	Z*
-7.0	4.986-01	3.97050+00	4.73135+01	5.12946+01	1.26787+02	-4.81611+00	3.97099+00
-6.8	4.978-01	3.96410+00	4.72058+01	5.11699+01	1.26852+02	-4.61681+00	3.96470+00
-6.6	4.956-01	3.94415+00	4.70381+01	5.09923+01	1.22861+02	-4.41793+00	3.95491+00
-6.4	4.947-01	3.93895+00	4.67755+01	5.07183+01	1.20784+02	-4.21959+00	3.93979+00
-6.2	4.917-01	3.91561+00	4.63859+01	5.03015+01	1.18582+02	-4.02216+00	3.91678+00
-6.0	4.872-01	3.88102+00	4.57989+01	4.96799+01	1.16199+02	-3.82601+00	3.88245+00
-5.8	4.805-01	3.82097+00	4.48485+01	4.87794+01	1.13572+02	-3.63165+00	3.83270+00
-5.6	4.710-01	3.76132+00	4.37633+01	4.75247+01	1.10638+02	-3.43942+00	3.76338+00
-5.4	4.577-01	3.66903+00	4.21913+01	4.58603+01	1.07354+02	-3.25 +00	3.67 +00
-5.2	4.- -01	3.55363+00	4.01 +01	4.37771-01	1.03723+02	-3.06428+00	3.55634+00
- -	4.180-01	3.41812+00	3.79102+01	4.13283+01	9.98036+01	-2.88117+00	3.42109+00
-4.8	3.915-01	3.24867+00	3.53569+01	3.85256+01	9.57102+01	-2.70059+00	3.27185+00
-4.6	3.612-01	3.11328+00	3.25995+01	3.58127+01	9.15833+01	-2.52174+00	3.11657+00
-4.4	3.291-01	2.99584+00	3.00733+01	3.30332+01	8.75590+01	-2.34369+00	2.96317+00
-4.2	2.935-01	2.81482+00	2.75893+01	3.04041+01	8.37454+01	-2.16651+00	2.81809+00
-4.0	2.587-01	2.69255+00	2.53223+01	2.80049+01	8.02173+01	-1.98641+00	2.68574+00
-3.8	2.268-01	2.56537+00	2.33124+01	2.58777+01	7.69957+01	-1.80581+00	2.56541+00
-3.6	1.929-01	2.46389+00	2.15707+01	2.40346+01	7.40967+01	-1.62334+00	2.46675+00
-3.4	1.636-01	2.37757+00	2.00885+01	2.24661+01	7.15003+01	-1.43882+00	2.38024+00
-3.2	1.373-01	2.30517+00	1.88446+01	2.11501+01	6.91796+01	-1.25225+00	2.30764+00
-3.0	1.142-01	2.24511+00	1.78128+01	2.00579+01	6.70997+01	-1.06372+00	2.24733+00
-2.8	9.429-02	2.19549+00	1.69634+01	1.91591+01	6.52282+01	-8.73390-01	2.19775+00
-2.6	7.734-02	2.15523+00	1.62665+01	1.84237+01	6.35318+01	-6.81460-01	2.15710+00
-2.4	6.310-02	2.12220+00	1.57020+01	1.78242+01	6.19807+01	-4.88170-01	2.12389+00
-2.2	5.127-02	2.09520+00	1.52403+01	1.73357+01	6.05483+01	-2.93730-01	2.09672+00
-2.0	4.152-02	2.07296+00	1.48633+01	1.69366+01	5.92112+01	-9.83700-02	2.07432+00
-1.8	3.353-02	2.05432+00	1.45510+01	1.66053+01	5.79489+01	9.77100-02	2.05553+00
-1.6	2.704-02	2.03816+00	1.42870+01	1.63252+01	5.67427+01	2.54240-01	2.03927+00
-1.4	2.178-02	2.02332+00	1.40565+01	1.60778+01	5.55750+01	4.91110-01	2.02423+00
-1.2	1.754-02	2.00856+00	1.38360+01	1.58446+01	5.44282+01	6.87930-01	2.00930+00
-1.0	1.413-02	1.99239+00	1.36126+01	1.56056+01	5.32835+01	8.84420-01	1.99293+00
-.8	1.141-02	1.97307+00	1.33678+01	1.53355+01	5.21204+01	1.08014+00	1.97337+00
-.6	9.238-03	1.94853+00	1.30630+01	1.50116+01	5.09176+01	1.27477+00	1.94862+00
-.4	7.515-03	1.91714+00	1.26899+01	1.46071+01	4.96539+01	1.46770+00	1.91667+00
-.2	6.156-03	1.87709+00	1.22261+01	1.41032+01	4.83160+01	1.65853+00	1.87599+00
.0	5.083-03	1.82912+00	1.16659+01	1.34946+01	4.69023+01	1.84705+00	1.82698+00
.2	4.242-03	1.77132+00	1.10205+01	1.27918+01	4.54278+01	2.03334+00	1.76791+00
.4	3.583-03	1.70922+00	1.03161+01	1.20253+01	4.39219+01	2.21764+00	1.70380+00
.6	3.064-03	1.64572+00	9.58772+00	1.12325+01	4.24211+01	2.40126+00	1.63680+00
.8	2.652-03	1.58275+00	8.86991+00	1.04527+01	4.09602+01	2.58447+00	1.56994+00
1.0	2.321-03	1.52515+00	8.19046+00	9.71561+00	3.95553+01	2.76835+00	1.50561+00
1.2	2.050-03	1.47498+00	7.56746+00	9.04244+00	3.82519+01	2.95383+00	1.44536+00
1.4	1.823-03	1.43477+00	7.00967+00	8.44643+00	3.70245+01	3.14182+00	1.39977+00
1.6	1.633-03	1.40733+00	6.51853+00	7.92586+00	3.58795+01	3.33366+00	1.36893+00
1.8	1.480-03	1.39653+00	6.09083+00	7.48736+00	3.48070+01	3.53089+00	1.29236+00
2.0	1.374-03	1.40821+00	5.72111+00	7.12933+00	3.37925+01	3.73371+00	1.24940+00
2.2	1.353-03	1.45179+00	5.40633+00	6.85562+00	3.28187+01	3.94680+00	1.20928+00

T= 10000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	H2O	O2O
-7.0	1.052-13	2.331-16	7.222-15	2.124-18	1.612-31	9.936-29	2.252-29	1.616-11	2.897-13
-6.8	6.151-13	5.697-16	2.445-14	8.189-18	1.834-30	9.664-28	2.217-27	6.034-11	6.712-13
-6.6	1.629-12	3.554-15	1.114-13	3.284-17	1.840-29	9.405-27	2.182-26	1.003-10	1.662-12
-6.4	4.241-12	1.376-14	4.321-13	1.295-16	1.773-28	9.018-26	2.080-25	2.442-10	4.082-12
-6.2	2.439-11	5.215-14	1.653-12	4.959-16	1.476-27	8.453-25	1.960-24	6.087-10	9.909-12
-6.0	9.219-11	1.944-13	6.198-12	1.882-15	1.539-26	7.766-24	1.791-23	1.475-09	2.363-11
-5.8	3.393-10	6.594-13	2.256-11	6.980-15	1.955-25	6.623-23	1.566-22	3.508-09	5.693-11
-5.6	1.205-09	2.406-12	7.884-11	2.507-14	1.127-24	5.360-22	1.288-21	8.140-09	1.234-10
-5.4	4.084-09	7.837-12	2.614-10	8.643-14	8.714-24	3.985-21	9.789-21	1.827-08	2.651-10
-5.2	1.306-08	2.347-11	8.130-10	2.833-13	6.164-23	2.675-20	6.757-20	3.934-08	5.402-10
-5.0	3.902-08	6.614-11	2.352-09	8.774-13	3.949-22	1.601-19	4.175-19	7.072-08	1.039-09
-4.8	1.085-07	1.711-10	6.307-09	2.560-12	2.284-21	8.507-19	2.300-18	1.572-07	1.982-09
-4.6	2.803-07	4.101-10	1.570-08	7.041-12	1.195-20	4.030-18	1.132-17	2.901-07	3.222-09
-4.4	6.754-07	9.176-10	3.664-08	1.831-11	5.710-20	1.718-17	5.006-17	5.084-07	5.242-09
-4.2	1.525-06	1.933-09	7.949-08	4.525-11	2.514-19	6.678-17	2.014-16	8.486-07	8.163-09
-4.0	3.252-06	3.869-09	1.642-07	1.067-10	1.031-18	2.398-16	7.465-16	1.356-06	1.225-08
-3.8	6.554-06	7.424-09	3.239-07	2.415-10	3.975-18	8.060-16	2.580-15	2.084-06	1.741-08
-3.6	1.281-05	1.375-08	6.143-07	5.264-10	1.453-17	2.564-15	8.404-15	3.097-06	2.524-08
-3.4	2.398-05	2.473-08	1.127-06	1.109-09	5.072-17	7.800-15	2.609-14	4.472-06	3.502-08
-3.2	4.354-05	4.329-08	2.013-06	2.263-09	1.699-16	2.286-14	7.772-14	6.302-06	4.773-08
-3.0	7.706-05	7.[illegible]-08	3.515-06	4.488-09	5.491-16	6.503-14	2.241-13	8.702-06	6.413-08
-2.8	1.335-04	[illegible]-07	6.024-06	8.668-09	1.718-15	1.805-13	6.271-13	1.181-05	8.515-08
-2.6	2.274-04	[illegible] 1-07	1.017-05	1.633-08	5.219-15	4.913-13	1.727-12	1.581-05	1.120-07
-2.4	3.818-04	[illegible]12-07	1.695-05	3.009-08	1.544-14	1.316-12	4.658-12	2.093-05	1.461-07
-2.2	6.334-04	5.763-07	2.797-05	5.429-08	4.463-14	3.477-12	1.238-11	2.743-05	1.895-07
-2.0	1.040-03	9.395-07	4.5[illegible]-05	9.611-08	1.263-13	9.093-12	3.249-11	3.567-05	2.445-07
-1.8	1.694-03	1.523-06	7.4[illegible]	1.673-07	3.506-13	2.357-11	8.441-11	4.606-05	3.143-07
-1.6	2.739-03	2.459-06	1.201-04	2.869-07	9.577-13	6.064-11	2.173-10	5.911-05	4.029-07
-1.4	4.393-03	3.956-06	1.[illegible] 04	4.955-07	2.579-12	1.556-10	5.565-10	7.540-05	5.154-07
-1.2	6.992-03	6.350-06	3.085-04	8.125-07	6.857-12	3.937-10	1.402-09	9.555-05	6.588-07
-1.0	1.103-02	1.018-05	4.904-04	1.347-06	1.804-11	9.938-10	3.511-09	1.201-04	8.418-07
-.8	1.719-02	1.630-05	7.749-04	2.213-06	4.700-11	2.491-09	8.678-09	1.495-04	1.076-06
-.6	2.639-02	2.611-05	1.215-03	3.609-06	1.214-10	6.189-09	2.110-08	1.835-04	1.378-06
-.4	3.972-02	4.185-05	1.887-03	5.843-06	3.110-10	1.522-08	5.023-08	2.210-04	1.768-06
-.2	5.830-02	6.716-05	2.897-03	9.383-06	7.886-10	3.691-08	1.164-07	2.598-04	2.273-06
.0	8.299-02	1.079-04	4.581-03	1.490-05	1.976-09	8.812-08	2.609-07	2.963-04	2.927-06
.2	1.141-01	1.734-04	6.512-03	2.330-05	4.852-09	2.087-07	5.636-07	3.262-04	3.767-06
.4	1.512-01	2.783-04	9.495-03	3.560-05	1.162-08	4.736-07	1.169-06	3.454-04	4.842-06
.6	1.931-01	4.449-04	1.356-02	5.268-05	2.687-08	1.063-06	2.329-06	3.519-04	6.162-06
.8	2.381-01	7.061-04	1.897-02	7.481-05	5.946-08	2.335-06	4.657-06	3.457-04	7.797-06
1.0	2.849-01	1.110-03	2.597-02	1.012-04	1.246-07	5.024-06	8.213-06	3.297-04	9.792-06
1.2	3.298-01	1.722-03	3.482-02	1.300-04	2.471-07	1.062-05	1.461-05	3.081-04	1.224-05
1.4	3.732-01	2.630-03	4.574-02	1.589-04	4.643-07	2.215-05	2.514-05	2.870-04	1.534-05
1.6	4.135-01	3.947-03	5.890-02	1.858-04	8.320-07	4.594-05	4.198-05	2.682-04	1.948-05
1.8	4.500-01	5.809-03	7.439-02	2.095-04	1.435-06	9.591-05	6.814-05	2.599-04	2.550-05
2.0	4.828-01	8.374-03	9.221-02	2.296-04	2.409-06	2.054-04	1.075-04	2.690-04	3.537-05
2.2	5.120-01	1.179-02	1.121-01	2.461-04	3.580-06	4.639-04	1.655-04	3.152-04	5.473-05

T= 10600

LOG D	O2-	NO+	CO+	O-	N+	N2+	O+	O2+	A+
-7.0	1.891-27	4.760-11	8.795-16	3.329-12	3.515-01	2.027-06	1.049-01	4.241-09	2.338-03
-6.8	1.176-26	1.191-10	2.197-15	8.294-12	3.911-01	1.282-06	1.047-01	2.678-09	2.333-03
-6.6	7.249-26	2.956-10	5.471-15	2.057-11	3.904-01	8.112-07	1.043-01	1.691-09	2.327-03
-6.4	4.413-25	7.287-10	1.356-14	5.067-11	3.894-01	5.142-07	1.036-01	1.068-09	2.316-03
-6.2	2.635-24	1.778-09	3.336-14	1.235-10	3.878-01	3.267-07	1.027-01	6.750-10	2.300-03
-6.0	1.529-23	4.273-09	8.119-14	2.953-10	3.854-01	2.082-07	1.012-01	4.269-10	2.275-03
-5.8	8.518-23	1.005-08	1.946-13	6.953-10	3.817-01	1.334-07	9.910-02	2.702-10	2.238-03
-5.6	4.488-22	2.294-08	4.566-13	1.582-09	3.763-01	8.592-08	9.612-02	1.713-10	2.185-03
-5.4	2.200-21	5.038-08	1.042-12	3.458-09	3.685-01	5.577-08	9.210-02	1.088-10	2.112-03
-5.2	9.891-21	1.055-07	2.301-12	7.205-09	3.577-01	3.650-08	8.698-02	6.928-11	2.017-03
-5.0	4.039-20	2.096-07	4.893-12	1.422-08	3.435-01	2.409-08	8.094-02	4.425-11	1.899-03
-4.8	1.493-19	3.937-07	1.000-11	2.653-08	3.255-01	1.601-08	7.390-02	2.837-11	1.760-03
-4.6	5.018-19	6.559-07	1.965-11	4.684-08	3.040-01	1.070-08	6.647-02	1.825-11	1.606-03
-4.4	1.546-18	1.182-06	3.716-11	7.857-08	2.795-01	7.144-09	5.890-02	1.178-11	1.443-03
-4.2	4.419-18	1.905-06	6.787-11	1.259-07	2.529-01	4.799-09	5.147-02	7.673-12	1.277-03
-4.0	1.181-17	2.950-06	1.200-10	1.939-07	2.253-01	3.209-09	4.447-02	4.939-12	1.114-03
-3.8	2.997-17	4.410-06	2.058-10	2.884-07	1.977-01	2.138-09	3.791-02	3.202-12	9.549-04
-3.6	7.269-17	6.400-06	3.432-10	4.173-07	1.710-01	1.419-09	3.203-02	2.075-12	8.175-04
-3.4	1.700-16	9.059-06	5.574-10	5.888-07	1.460-01	9.371-10	2.681-02	1.343-12	6.890-04
-3.2	3.858-16	1.256-05	8.831-10	8.141-07	1.233-01	6.159-10	2.227-02	8.681-13	5.754-04
-3.0	8.544-16	1.710-05	1.366-09	1.107-06	1.031-01	4.030-10	1.836-02	5.603-13	4.767-04
-2.8	1.853-15	2.290-05	2.067-09	1.484-06	8.546-02	2.626-10	1.505-02	3.611-13	3.922-04
-2.6	3.964-15	3.047-05	3.062-09	1.986-06	7.033-02	1.706-10	1.228-02	2.324-13	3.209-04
-2.4	8.362-15	4.003-05	4.447-09	2.582-06	5.753-02	1.105-10	9.973-03	1.495-13	2.613-04
-2.2	1.746-14	5.219-05	6.338-09	3.366-06	4.682-02	7.139-11	8.074-03	9.609-14	2.119-04
-2.0	3.616-14	6.760-05	8.893-09	4.362-06	3.795-02	4.606-11	6.519-03	6.176-14	1.714-04
-1.8	7.439-14	8.710-05	1.226-08	5.676-06	3.065-02	2.968-11	5.253-03	3.971-14	1.383-04
-1.6	1.523-13	1.117-04	1.670-08	7.231-06	2.468-02	1.912-11	4.228-03	2.556-14	1.115-04
-1.4	3.107-13	1.427-04	2.247-08	9.271-06	1.982-02	1.230-11	3.400-03	1.647-14	8.977-05
-1.2	6.320-13	1.816-04	2.994-08	1.187-05	1.587-02	7.916-12	2.735-03	1.064-14	7.230-05
-1.0	1.284-12	2.302-04	3.956-08	1.519-05	1.267-02	5.089-12	2.201-03	6.899-15	5.829-05
-.8	2.606-12	2.903-04	5.190-08	1.944-05	1.008-02	3.268-12	1.775-03	4.490-15	4.709-05
-.6	5.292-12	3.639-04	6.766-08	2.492-05	7.978-03	2.093-12	1.435-03	2.938-15	3.817-05
-.4	1.076-11	4.524-04	8.769-08	3.204-05	6.270-03	1.335-12	1.164-03	1.934-15	3.108-05
-.2	2.196-11	5.561-04	1.128-07	4.139-05	4.881-03	8.459-13	9.473-04	1.281-15	2.544-05
.0	4.499-11	6.736-04	1.436-07	5.378-05	3.753-03	5.304-13	7.738-04	8.534-16	2.093-05
.2	9.266-11	8.013-04	1.798-07	7.043-05	2.841-03	3.280-13	6.334-04	5.706-16	1.730-05
.4	1.920-10	9.333-04	2.197-07	9.304-05	2.112-03	1.995-13	5.182-04	3.817-16	1.434-05
.6	4.005-10	1.062-03	2.596-07	1.241-04	1.540-03	1.192-13	4.228-04	2.551-16	1.190-05
.8	8.402-10	1.182-03	2.941-07	1.669-04	1.102-03	7.013-14	3.435-04	1.703-16	9.886-06
1.0	1.770-09	1.290-03	3.183-07	2.264-04	7.770-04	4.099-14	2.780-04	1.142-16	8.230-06
1.2	3.743-09	1.388-03	3.302-07	3.089-04	5.431-04	2.411-14	2.249-04	7.763-17	6.900-06
1.4	7.939-09	1.486-03	3.321-07	4.240-04	3.799-04	1.458-14	1.830-04	5.448-17	5.874-06
1.6	1.695-08	1.604-03	3.301-07	5.861-04	2.693-04	9.317-15	1.513-04	4.048-17	5.140-06
1.8	3.690-08	1.776-03	3.333-07	8.219-04	1.969-04	6.573-15	1.291-04	3.315-17	4.708-06
2.0	8.320-08	2.074-03	3.453-07	1.191-03	1.524-04	5.498-15	1.163-04	3.205-17	4.647-06
2.2	2.064-07	2.587-03	4.256-07	1.866-03	1.311-04	6.341-15	1.158-04	4.242-17	5.210-06

T= 1000

LOG C	A**	C*	C**	NF*	N	O	A	C	NF
-7.0	2.754-07	8.[illegible]-03	3.526-08	1.832-06	1.434-03	7.001-04	1.313-05	3.256-08	[illegible]
-6.8	1.740-07	8.311-05	2.235-08	1.274-06	2.[illegible]-03	1.104-03	2.072-05	5.149-08	6.288-06
-6.6	1.100-07	8.324-05	1.414-08	8.624-07	4.044-03	1.735-03	[illegible]	[illegible]	6.716-06
-6.4	6.953-08	8.350-05	8.945-09	5.736-07	6.3[illegible]-03	2.716-03	[illegible]	[illegible]	7.029-06
-6.2	4.407-08	8.385-05	5.[illegible]-09	3.[illegible]-07	9.[illegible]-03	4.[illegible]	[illegible]	[illegible]	7.264-06
-6.0	2.796-08	8.438-05	3.[illegible]-09	[illegible]	1.[illegible]-02	6.[illegible]	[illegible]	3.176-07	7.452-06
-5.8	1.[illegible]-08	8.[illegible]-05	[illegible]	[illegible]	[illegible]	9.[illegible]-03	1.868-04	4.060-07	7.624-06
[illegible]	1.[illegible]-08	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]-02	2.792-04	7.835-07	7.805-06
[illegible]	1.[illegible]-08	[illegible]	[illegible]	[illegible]	5.[illegible]-02	2.110-02	4.075-04	1.183-06	8.019-06
[illegible]	[illegible]	[illegible]	[illegible]	5.203-08	7.614-02	2.959-02	5.778-04	1.797-06	8.283-06
[illegible]	[illegible]	[illegible]	5.916-10	3.712-08	1.095-01	4.[illegible]-02	7.922-04	2.600-06	8.607-06
[illegible]	[illegible]	9.528-05	3.844-10	2.717-08	1.441-01	5.227-02	1.068-03	3.960-06	8.994-06
[illegible]	1.[illegible]-09	9.833-05	2.838-10	2.037-08	1.846-01	6.583-02	1.333-03	5.722-06	9.439-06
[illegible]	8.410-10	1.013-04	2.129-10	1.558-08	2.382-01	8.019-02	1.654-03	8.104-06	9.930-06
4.2	5.510-10	1.038-04	1.618-10	1.212-08	2.916-01	9.682-02	1.990-03	1.124-05	1.045-05
-4.0	3.610-10	1.056-04	1.234-10	9.539-09	3.468-01	1.092-01	2.304-03	1.525-05	1.098-05
-3.8	2.363-10	1.063-04	9.433-11	7.573-09	4.011-01	1.230-01	2.621-03	2.029-05	1.150-05
-3.6	1.543-10	1.056-04	7.192-11	6.044-09	4.534-01	1.347-01	2.917-03	2.631-05	1.199-05
-3.4	1.004-10	1.035-04	5.451-11	4.840-09	5.021-01	1.473-01	3.188-03	3.343-05	1.245-05
-3.2	6.538-11	9.994-05	4.095-11	3.881-09	5.463-01	1.577-01	3.430-03	4.158-05	1.286-05
-3.0	4.239-11	9.491-05	3.044-11	3.114-09	5.855-01	[illegible]-01	3.642-03	5.067-05	1.323-05
-2.8	2.742-11	8.868-05	2.235-11	2.498-09	6.195-01	1.744-01	3.826-03	6.036-05	1.355-05
-2.6	1.770-11	8.166-05	1.621-11	2.003-09	6.486-01	1.810-01	3.982-03	7.055-05	1.382-05
-2.4	1.141-11	7.383-05	1.160-11	1.605-09	6.731-01	1.865-01	4.114-03	8.090-05	1.405-05
-2.2	7.352-12	6.553-05	8.196-12	1.284-09	6.934-01	1.911-01	4.224-03	9.113-05	1.425-05
-2.0	4.733-12	5.746-05	5.722-12	1.030-09	7.100-01	1.949-01	4.315-03	1.010-04	1.441-05
-1.8	3.048-12	4.972-05	3.950-12	8.244-10	7.232-01	1.981-01	4.392-03	1.102-04	1.455-05
-1.6	1.964-12	4.251-05	2.701-12	6.602-10	7.333-01	2.007-01	4.457-03	1.186-04	1.467-05
-1.4	1.268-12	3.596-05	1.831-12	5.290-10	7.406-01	2.030-01	4.513-03	1.262-04	1.479-05
-1.2	8.202-13	3.015-05	1.233-12	4.243-10	7.449-01	2.051-01	4.565-03	1.329-04	1.490-05
-1.0	5.325-13	2.509-05	8.266-13	3.410-10	7.466-01	2.071-01	4.617-03	1.387-04	1.502-05
-.8	3.473-13	2.076-05	5.520-13	2.747-10	7.433-01	2.091-01	4.673-03	1.437-04	1.516-05
-.6	2.279-13	1.709-05	3.678-13	2.222-10	7.359-01	2.115-01	4.738-03	1.480-04	1.534-05
-.4	1.506-13	1.400-05	2.445-13	1.805-10	7.227-01	2.143-01	4.821-03	1.515-04	1.558-05
-.2	1.003-13	1.140-05	1.621-13	1.475-10	7.026-01	2.178-01	4.926-03	1.540-04	1.590-05
.0	6.734-14	9.207-06	1.068-13	1.211-10	6.741-01	2.221-01	5.060-03	1.552-04	1.632-05
.2	4.549-14	7.331-06	6.945-14	9.987-11	6.374-01	2.271-01	5.225-03	1.544-04	1.684-05
.4	3.086-14	5.711-06	4.476-14	8.253-11	5.930-01	2.325-01	5.420-03	1.501-04	1.746-05
.6	2.1[illegible]-14	4.314-06	2.740-14	6.821-11	5.423-01	2.373-01	5.643-03	1.425-04	1.814-05
.8	1.436-14	3.135-06	1.638-14	5.629-11	4.874-01	2.424-01	5.885-03	1.333-04	1.893-05
1.0	9.924-15	2.154-06	9.463-15	4.642-11	4.308-01	2.461-01	6.140-03	1.134-04	1.975-05
1.2	7.019-15	1.443-06	5.339-15	3.835-11	3.745-01	2.475-01	6.402-03	9.636-05	2.058-05
1.4	5.181-15	9.525-07	3.[illegible]-15	3.191-11	3.205-01	2.462-01	6.664-03	[illegible]	2.142-05
1.6	4.108-15	6.132-07	1.749-15	2.695-11	2.700-01	2.417-01	6.923-03	5.721-05	2.225-05
1.8	3.659-15	4.002-07	1.105-15	2.335-11	2.239-01	2.334-01	7.179-03	4.215-05	2.307-05
2.0	3.947-15	2.736-07	8.209-16	2.117-11	1.824-01	2.209-01	7.432-03	3.014-05	2.389-05
2.2	6.040-15	2.[illegible]70-07	8.412-16	2.065-11	1.453-01	2.036-01	7.684-03	2.095-05	2.470-05

T= 1060

LOG C	E-	Z	E/RT	H/RT	E/R	LOG P	Z*
-7.0	4.998-01	3.97213+00	4.69592+01	5.09313+01	1.26879+02	-4.81192+00	3.97261+00
-6.8	4.981-01	3.96663+00	4.68678+01	5.08344+01	1.24960+02	-4.61242+00	3.96723+00
-6.6	4.971-01	3.95803+00	4.67253+01	5.06833+01	1.22392+02	-4.41335+00	3.95884+00
-6.4	4.954-01	3.94490+00	4.65047+01	5.04496+01	1.20952+02	-4.21480+00	3.94583+00
-6.2	4.925-01	3.92477+00	4.61672+01	5.00926+01	1.18802+02	-4.01703+00	3.92593+00
-6.0	4.890-01	3.89458+00	4.56600+01	4.95546+01	1.16494+02	-3.82038+00	3.89601+00
-5.8	4.832-01	3.85042+00	4.49169+01	4.87673+01	1.13967+02	-3.62533+00	3.85216+00
-5.6	4.747-01	3.78826+00	4.38660+01	4.76541+01	1.11156+02	-3.43242+00	3.79014+00
-5.4	4.628-01	3.70392+00	4.24463+01	4.61502+01	1.08011+02	-3.24218+00	3.70635+00
-5.2	4.468-01	3.59648+00	4.06314+01	4.42275+01	1.04514+02	-3.05498+00	3.59926+00
-5.0	4.263-01	3.46748+00	3.84501+01	4.19176+01	1.00705+02	-2.87083+00	3.47057+00
-4.8	4.013-01	3.32210+00	3.59894+01	3.93115+01	9.66808+01	-2.68943+00	3.32543+00
-4.6	3.722-01	3.16790+00	3.33768+01	3.65447+01	9.25737+01	-2.51007+00	3.17139+00
-4.4	3.400-01	3.01299+00	3.07499+01	3.37629+01	8.85238+01	-2.33184+00	3.01655+00
-4.2	3.058-01	2.86443+00	2.82288+01	3.10933+01	8.46495+01	-2.15380+00	2.86798+00
-4.0	2.709-01	2.72737+00	2.59009+01	2.86282+01	8.10346+01	-1.97510+00	2.73082+00
-3.8	2.[illegible]16-01	2.60477+00	2.38171+01	2.64219+01	7.77238+01	-1.79507+00	2.60809+00
-3.6	2.039-01	2.49780+00	2.19979+01	2.44957+01	7.47303+01	-1.61328+00	2.50096+00
-3.4	1.736-01	2.40828+00	2.04405+01	2.28668+01	7.20443+01	-1.42949+00	2.40921+00
-3.2	1.463-01	2.32917+00	1.91274+01	2.14568+01	6.96417+01	-1.24364+00	2.33168+00
-3.0	1.220-01	2.26456+00	1.80341+01	2.02991+01	6.74909+01	-1.05578+00	2.26746+00
-2.8	1.010-01	2.21199+00	1.71317+01	1.93437+01	6.55580+01	-.86060+01	2.21627+00
-2.6	8.305-02	2.16854+00	1.63919+01	1.85604+01	6.38099+01	-6.76670-01	2.17062+00
-2.4	6.790-02	2.13305+00	1.57881+01	1.79211+01	6.22159+01	-4.81860-01	2.13493+00
-2.2	5.526-02	2.10405+00	1.52963+01	1.74001+01	6.07685+01	-2.87790-01	2.10574+00
-2.0	4.480-02	2.08027+00	1.48741+01	1.69743+01	5.93833+01	-9.27330-02	2.08174+00
-1.8	3.622-02	2.06036+00	1.45630+01	1.66234+01	5.80989+01	1.03100-01	2.06171+00
-1.6	2.923-02	2.04333+00	1.42850+01	1.63283+01	5.68761+01	2.99560-01	2.04452+00
-1.4	2.356-02	2.02747+00	1.40432+01	1.60712+01	5.56971+01	4.96220-01	2.02900+00
-1.2	1.898-02	2.01306+00	1.38206+01	1.58336+01	5.45434+01	6.93020-01	2.01390+00
-1.0	1.529-02	1.99714+00	1.35594+01	1.55955+01	5.33982+01	8.89570-01	1.99778+00
-.8	1.235-02	1.97854+00	1.33558+01	1.53343+01	5.22600+01	1.08550+00	1.97893+00
-.6	9.992-03	1.95533+00	1.30695+01	1.50249+01	5.10678+01	1.27938+00	1.95539+00
-.4	8.122-03	1.92550+00	1.27161+01	1.46616+01	4.98005+01	1.47370+00	1.92510+00
-.2	6.642-03	1.88761+00	1.22761+01	1.41635+01	4.84427+01	1.66503+00	1.88636+00
.0	5.476-03	1.84039+00	1.17407+01	1.35811+01	4.70882+01	1.85603+00	1.83839+00
.2	4.560-03	1.78517+00	1.11163+01	1.29021+01	4.56293+01	2.04684+00	1.78173+00
.4	3.841-03	1.72402+00	1.04277+01	1.21917+01	4.41317+01	2.22570+00	1.71860+00
.6	3.275-03	1.66021+00	9.70641+00	1.13666+01	4.26314+01	2.40332+00	1.65177+00
.8	2.828-03	1.59734+00	8.98816+00	1.05855+01	4.11632+01	2.59256+00	1.58440+00
1.0	2.469-03	1.53873+00	8.30239+00	9.84112+00	3.97556+01	2.77632+00	1.51305+00
1.2	2.17[illegible]-03	1.48730+00	7.66928+00	9.15658+00	3.84261+01	2.96156+00	1.45745+00
1.4	1.934-03	1.44572+00	7.09464+00	8.56522+00	3.71814+01	3.14924+00	1.40043+00
1.6	1.732-03	1.41693+00	6.59535+00	8.01268+00	3.60193+01	3.34051+00	1.34813+00
1.8	1.571-03	1.40486+00	6.15637+00	7.56123+00	3.49308+01	3.53679+00	1.30020+00
2.0	1.461-03	1.41539+00	5.77590+00	7.19129+00	3.39019+01	3.74004+00	1.25593+00
2.2	1.445-03	1.45738+00	5.44985+00	6.90723+00	3.29159+01	3.95273+00	1.21476+00

T= 10700

LOG E	N2	O2	NO	O+	CO2	NO2	N2O	N2+	O2+
-7.0	9.909-14	1.629-16	4.951-15	1.433-18	1.060-31	5.627-2[illegible]	1.251-28	1.268-11	2.173-13
-6.8	2.723-13	6.417-16	1.993-14	5.664-18	1.046-30	5.543-28	1.234-27	3.167-11	5.430-13
-6.6	1.073-12	2.513-15	7.843-14	2.230-17	1.025-29	5.419-27	1.207-26	7.468-11	1.347-12
-6.4	4.190-12	9.756-15	2.984-13	8.774-17	9.933-29	5.221-26	1.164-25	1.955-10	3.319-12
-6.2	1.619-11	3.739-14	1.148-12	3.380-16	9.659-28	4.937-25	1.109-24	4.811-10	8.093-12
-6.0	6.160-11	1.401-13	4.336-12	1.291-15	8.781-27	4.533-24	1.026-23	1.171-09	1.943-11
-5.8	2.231-10	5.195-13	1.596-11	4.830-15	7.854-26	3.989-23	9.120-23	2.806-09	4.559-11
-5.6	8.249-10	1.785-12	5.663-11	1.756-14	6.672-25	3.308-22	7.675-22	6.573-09	1.037-10
-5.4	2.845-09	5.914-12	1.914-10	6.142-14	5.296-24	2.537-21	6.005-21	1.494-08	2.264-10
-5.2	9.269-09	1.834-11	6.091-10	2.049-13	3.865-23	1.766-20	4.289-20	3.265-08	4.700-10
-5.0	2.844-08	5.274-11	1.827-09	6.471-13	2.561-22	1.100-19	2.756-19	6.819-08	9.218-10
-4.8	8.109-08	1.401-10	4.974-09	1.926-12	1.533-21	6.086-19	1.580-18	1.352-07	1.703-09
-4.6	2.149-07	3.442-10	1.269-08	5.400-12	8.289-21	2.994-18	8.074-18	2.543-07	2.970-09
-4.4	5.302-07	7.873-10	3.015-08	1.430-11	4.077-20	1.321-17	3.700-17	4.536-07	4.911-09
-4.2	1.224-06	1.691-09	6.712-08	3.591-11	1.841-19	5.291-17	1.534-16	7.697-07	7.754-09
-4.0	2.659-06	3.439-09	1.411-07	8.592-11	7.716-19	1.949-16	5.848-16	1.244-06	1.177-08
-3.8	5.683-06	6.887-09	2.826-07	1.969-10	3.032-18	6.884-16	2.067-15	1.963-06	1.728-08
-3.6	1.180-05	1.352-08	5.627-07	4.333-10	1.126-17	2.166-15	6.864-15	2.920-06	2.469-08
-3.4	2.367-05	2.573-08	1.087-06	9.229-10	3.985-17	6.692-15	2.164-14	4.258-06	3.448-08
-3.2	3.756-05	4.822-08	1.813-06	1.901-09	1.351-16	1.982-14	6.533-14	6.049-06	4.726-08
-3.0	6.700-05	6.970-08	3.189-06	3.799-09	4.411-16	5.691-14	1.904-13	8.410-06	6.379-08
-2.8	1.169-04	1.187-07	5.498-06	7.330-09	1.392-15	1.592-13	5.391-13	1.148-05	8.501-08
-2.6	2.002-04	1.994-07	9.326-06	1.402-08	4.262-15	4.359-13	1.491-12	1.544-05	1.121-07
-2.4	3.377-04	3.312-07	1.561-05	2.597-08	1.270-14	1.173-12	4.043-12	2.052-05	1.467-07
-2.2	5.625-04	5.451-07	2.584-05	4.709-08	3.691-14	3.114-12	1.079-11	2.698-05	1.906-07
-2.0	9.268-04	8.905-07	4.240-05	8.374-08	1.050-13	8.171-12	2.845-11	3.517-05	2.464-07
-1.8	1.514-03	1.444-06	6.904-05	1.464-07	2.929-13	2.124-11	7.415-11	4.553-05	3.172-07
-1.6	2.452-03	2.337-06	1.117-04	2.518-07	8.031-13	5.477-11	1.914-10	5.856-05	4.070-07
-1.4	3.943-03	3.765-06	1.798-04	4.274-07	2.169-12	1.403-10	4.898-10	7.486-05	5.212-07
-1.2	6.289-03	6.047-06	2.878-04	7.172-07	5.785-12	3.570-10	1.242-09	9.508-05	6.665-07
-1.0	9.945-03	9.698-06	4.583-04	1.191-06	1.526-11	9.026-10	3.118-09	1.198-04	8.520-07
-.8	1.555 02	1.553-05	7.253-04	1.961-06	3.984-11	2.267-09	7.733-09	1.496-04	1.080-06
-.6	2.397-02	2.489-05	1.140-03	3.204-06	1.031-10	5.645-09	1.888-08	1.844-04	1.395-06
-.4	3.627-02	3.986-05	1.774-03	5.196-06	2.666-10	1.392-08	4.519-08	2.233-04	1.790-06
-.2	5.359-02	6.395-05	2.731-03	8.362-06	6.727-10	3.387-08	1.054-07	2.641-04	2.302-06
.0	7.692-02	1.027-04	4.145-03	1.332-05	1.689-09	8.116-08	2.382-07	3.040-04	2.945-06
.2	1.065-01	1.650-04	6.185-03	2.092-05	4.172-09	1.909-07	5.184-07	3.378-04	3.819-06
.4	1.423-01	2.647-04	9.056-03	3.216-05	1.006-08	4.400-07	1.086-06	3.616-04	4.909-06
.6	1.833-01	4.233-04	1.299-02	4.801-05	2.347-08	9.925-07	2.182-06	3.723-04	6.279-06
.8	2.278-01	6.723-04	1.825-02	6.892-05	5.248-08	2.190-06	4.210-06	3.698-04	7.975-06
1.0	2.739-01	1.058-03	2.509-02	9.440-05	1.115-07	4.735-06	7.817-06	3.562-04	1.006-05
1.2	3.197-01	1.644-03	3.377-02	1.229-04	2.242-07	1.005-05	1.400-05	3.360-04	1.263-05
1.4	3.637-01	2.[illegible]-03	4.453-02	1.520-04	4.267-07	2.106-05	2.424-05	3.144-04	1.591-05
1.6	4.049-01	3.784-03	5.753-02	1.796-04	7.733-07	4.387-05	4.070-05	2.968-04	2.029-05
1.8	4.[illegible]	5.[illegible]	[illegible]	[illegible]	1.343-06	9.198-05	6.637-05	2.894-04	2.468-05
2.0	4.763-01	8.072-03	9.044-02	2.254-04	2.278-06	1.978-04	1.053-04	3.013-04	3.720-05
2.2	5.064-01	1.140-02	1.105-01	2.429-04	3.788-06	4.484-04	1.625-04	3.553-04	5.795-05

T= 10700

LOG E	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.415-27	3.643-11	6.944-16	2.802-12	3.916-01	2.779-06	1.050-01	6.155-09	2.339-03
-6.8	8.813-27	9.090-11	1.736-15	6.989-12	3.912-01	1.756-06	1.048-01	3.846-09	2.335-03
-6.6	5.451-26	2.259-10	4.329-15	1.737-11	3.907-01	1.111-06	1.046-01	2.454-09	2.330-03
-6.4	3.334-25	5.584-10	1.075-14	4.289-11	3.898-01	7.040-07	1.039-01	1.550-09	2.321-03
-6.2	2.006-24	1.369-09	2.652-14	1.050-10	3.885-01	4.459-07	1.030-01	9.793-10	2.307-03
-6.0	1.177-23	3.304-09	6.480-14	2.533-10	3.864-01	2.845-07	1.018-01	6.191-10	2.286-03
-5.8	6.656-23	7.840-09	1.562-13	5.994-10	3.832-01	1.819-07	9.938-02	3.918-10	2.255-03
-5.6	3.580-22	1.810-08	3.693-13	1.379-09	3.784-01	1.169-07	9.721-02	2.482-10	2.209-03
-5.4	1.802-21	4.031-08	[illegible]-13	[illegible]-09	3.716-01	7.571-08	9.355-02	1.575-10	2.145-03
-5.2	8.[illegible]-21	8.[illegible]	[illegible]	[illegible]-09	3.619-01	4.942-08	8.879-02	1.002-10	2.059-03
-5.0	3.526-20	1.738-07	4.096-12	1.304-08	3.499-01	3.253-08	8.297-02	6.391-11	1.951-03
-4.8	1.348-19	3.327-07	8.481-12	2.650-08	3.323-01	2.158-08	7.625-02	4.091-11	1.821-03
-4.6	4.674-19	6.024-07	1.667-11	4.660-08	3.120-01	1.439-08	6.894-02	2.629-11	1.672-03
-4.4	1.481-18	1.035-06	3.230-11	7.608-08	2.884-01	9.638-09	6.137-02	1.695-11	1.512-03
-4.2	4.333-18	1.693-06	5.963-11	1.237-07	2.625-01	6.459-09	5.387-02	1.095-11	1.347-03
-4.0	1.184-17	2.656-06	1.065-10	1.930-07	2.351-01	4.324-09	4.668-02	7.095-12	1.182-03
-3.8	3.055-17	4.017-06	1.642-10	2.905-07	2.073-01	2.886-09	3.998-02	4.599-12	1.024-03
-3.6	7.516-17	5.896-06	3.097-10	4.240-07	1.902-01	1.919-09	3.389-02	2.981-12	8.763-04
-3.4	1.778-16	8.398-06	5.069-10	6.030-07	1.546-01	1.270-09	2.844-02	1.931-12	7.417-04
-3.2	4.074-16	1.172-05	8.086-10	8.392-07	1.310-01	8.362-10	2.368-02	1.249-12	6.217-04
-3.0	9.093-16	1.605-05	1.259-09	1.147-06	1.098-01	5.482-10	1.958-02	8.067-13	5.167-04
-2.8	1.987-15	2.166-05	1.914-09	1.545-06	9.139-02	3.579-10	1.608-02	5.203-13	4.263-04
-2.6	4.268-15	2.885-05	2.854-09	2.054-06	7.540-02	2.328-10	1.314-02	3.352-13	3.496-04
-2.4	9.041-15	3.803-05	4.164-09	2.707-06	6.181-02	1.510-10	1.069-02	2.158-13	2.852-04
-2.2	1.894-14	4.971-05	5.963-09	3.538-06	5.039-02	9.773-11	8.663-03	1.388-13	2.317-04
-2.0	3.933-14	6.453-05	8.391-09	4.594-06	4.091-02	6.313-11	7.001-03	8.928-14	1.877-04
-1.8	8.110-14	8.330-05	1.162-08	5.935-06	3.308-02	4.073-11	5.647-03	5.744-14	1.516-04
-1.6	1.663-13	1.070-04	1.588-08	7.638-06	2.667-02	2.626-11	4.547-03	3.699-14	1.223-04
-1.4	3.397-13	1.369-04	2.143-08	9.804-06	2.144-02	1.692-11	3.659-03	2.386-14	9.853-05
-1.2	6.919-13	1.745-04	2.862-08	1.256-05	1.719-02	1.090-11	2.944-03	1.542-14	7.939-05
-1.0	1.406-12	2.215-04	3.790-08	1.608-05	1.374-02	7.018-12	2.370-03	9.999-15	6.402-05
-.8	2.856-12	2.798-04	4.982-08	2.059-05	1.095-02	4.515-12	1.911-03	6.509-15	5.172-05
-.6	5.802-12	3.515-04	6.507-08	2.639-05	8.680-03	2.899-12	1.544-03	4.260-15	4.191-05
-.4	1.180-11	4.381-04	8.450-08	3.382-05	6.838-03	1.855-12	1.252-03	2.805-15	3.411-05
-.2	2.406-11	5.403-04	1.090-07	4.377-05	5.340-03	1.180-12	1.019-03	1.860-15	2.791-05
.0	4.926-11	6.574-04	1.393-07	5.680-05	4.123-03	7.438-13	8.325-04	1.241-15	2.296-05
.2	1.013-10	7.863-04	1.754-07	7.425-05	3.136-03	4.632-13	6.819-04	8.317-16	1.899-05
.4	2.095-10	9.215-04	2.162-07	9.789-05	2.345-03	2.840-13	5.587-04	5.587-16	1.576-05
.6	4.362-10	1.056-03	2.583-07	1.302-04	1.721-03	1.713-13	4.570-04	3.755-16	1.311-05
.8	9.134-10	1.184-03	2.967-07	1.748-04	1.240-03	1.019-13	3.725-04	2.524-16	1.092-05
1.0	1.922-09	1.301-03	3.262-07	2.367-04	8.802-04	6.017-14	3.026-04	1.705-16	9.118-06
1.2	4.062-09	1.410-03	3.438-07	3.226-04	6.191-04	3.575-14	2.458-04	1.168-16	7.671-06
1.4	8.618-09	1.519-03	3.510-07	4.425-04	4.354-04	2.181-14	2.008-04	8.257-17	6.551-06
1.6	1.842-08	1.648-03	3.534-07	6.121-04	3.102-04	1.406-14	1.664-04	6.181-17	5.749-06
1.8	4.010-08	1.834-03	3.608-07	8.597-04	2.278-04	1.001-14	1.426-04	5.103-17	5.282-06
2.0	9.103-08	2.153-03	3.882-07	1.250-03	1.770-04	8.454-15	1.289-04	4.984-17	5.228-06
2.2	2.291-07	2.804-03	4.694-07	1.965-03	1.529-04	9.926-15	1.291-04	6.711-17	5.889-06

T= 1070C

LOG C	A++	C	C++	NE+	N	O	P	C	NE
-7.0	3.711-07	8.237-08	4.595-08	2.178-06	1.395-03	6.007-04	1.104-05	2.869-08	5.374-06
-6.8	2.344-07	8.308-05	2.904-08	1.441-06	2.209-03	9.478-04	1.742-05	4.531-08	6.617-06
-6.6	1.482-07	8.320-05	1.843-08	1.057-06	3.473-03	1.491-03	2.746-05	7.174-08	6.515-06
-6.4	9.371-08	8.342-05	1.173-08	7.088-07	5.459-03	2.337-03	4.307-05	1.132-07	6.684-06
-6.2	5.934-08	8.378-05	7.499-09	4.893-07	8.543-03	3.640-03	6.723-05	1.785-07	7.117-06
-6.0	3.764-08	8.416-05	4.827-09	3.091-07	1.328-02	5.619-03	1.041-04	2.805-07	7.368-06
-5.8	2.393-08	8.445-05	3.137-09	2.040-07	2.044-02	8.561-03	1.594-04	4.389-07	7.550-06
-5.6	1.526-08	8.544-05	2.066-09	1.359-07	3.104-02	1.281-02	2.403-04	6.826-07	7.730-06
-5.4	9.773-09	8.723-05	1.384-09	9.132-08	4.625-02	1.870-02	3.538-04	1.053-06	7.934-06
-5.2	6.288-09	8.908-05	9.474-10	6.348-08	6.728-02	2.652-02	5.073-04	1.606-06	8.181-06
-5.0	4.067-09	9.141-05	6.637-10	4.488-08	9.511-02	3.633-02	7.047-04	2.416-06	8.445-06
-4.8	2.643-09	9.414-05	4.741-10	3.257-08	1.302-01	4.900-02	9.453-04	3.577-06	8.851-06
-4.6	1.725-09	9.712-05	3.460-10	2.423-08	1.723-01	6.114-02	1.224-03	5.200-06	9.278-06
-4.4	1.130-09	1.001-04	2.605-10	1.841-08	2.203-01	7.531-02	1.530-03	7.412-06	9.754-06
-4.2	7.410-10	1.027-04	1.969-10	1.425-08	2.727-01	8.940-02	1.854-03	1.035-05	1.027-05
-4.0	4.862-10	1.047-04	1.510-10	1.118-08	3.273-01	1.044-01	2.161-03	1.414-05	1.079-05
-3.8	3.188-10	1.057-04	1.146-10	8.869-09	3.822-01	1.184-01	2.502-03	1.884-05	1.132-05
-3.6	2.086-10	1.054-04	8.741-11	7.053-09	4.355-01	1.315-01	2.806-03	2.470-05	1.182-05
-3.4	1.362-10	1.037-04	6.734-11	5.642-09	4.856-01	1.435-01	3.087-03	3.158-05	1.229-05
-3.2	8.870-11	1.005-04	4.994-11	4.524-09	5.314-01	1.543-01	3.341-03	3.951-05	1.272-05
-3.0	5.761-11	9.582-05	3.722-11	3.629-09	5.723-01	1.637-01	3.564-03	4.837-05	1.311-05
-2.8	3.733-11	8.988-05	2.741-11	2.912-09	6.081-01	1.719-01	3.759-03	5.749-05	1.344-05
-2.6	2.414-11	8.291-05	1.994-11	2.336-09	6.389-01	1.789-01	3.925-03	6.812-05	1.373-05
-2.4	1.558-11	7.523-05	1.432-11	1.873-09	6.649-01	1.847-01	4.066-03	7.847-05	1.397-05
-2.2	1.005-11	6.719-05	1.015-11	1.501-09	6.866-01	1.896-01	4.184-03	8.876-05	1.418-05
-2.0	6.476-12	5.912-05	7.106-12	1.202-09	7.044-01	1.937-01	4.282-03	9.871-05	1.436-05
-1.8	4.174-12	5.131-05	4.920-12	9.627-10	7.187-01	1.971-01	4.364-03	1.091-04	1.450-05
-1.6	2.692-12	4.359-05	3.373-12	7.710-10	7.299-01	1.999-01	4.434-03	1.187-04	1.463-05
-1.4	1.739-12	3.731-05	2.293-12	6.177-10	7.380-01	2.023-01	4.494-03	1.245-04	1.475-05
-1.2	1.125-12	3.135-05	1.548-12	4.956-10	7.433-01	2.044-01	4.544-03	1.314-04	1.486-05
-1.0	7.310-13	2.614-05	1.040-12	3.987-10	7.463-01	2.064-01	4.600-03	1.374-04	1.498-05
-.8	4.769-13	2.164-05	6.956-13	3.209-10	7.437-01	2.085-01	4.655-03	1.426-04	1.512-05
-.6	3.130-13	1.786-05	4.644-13	2.593-10	7.376-01	2.108-01	4.719-03	1.471-04	1.529-05
-.4	2.069-13	1.465-05	3.095-13	2.106-10	7.259-01	2.135-01	4.798-03	1.509-04	1.552-05
-.2	1.379-13	1.196-05	2.059-13	1.719-10	7.073-01	2.168-01	4.898-03	1.536-04	1.582-05
.0	9.268-14	9.696-06	1.363-13	1.412-10	6.809-01	2.209-01	5.025-03	1.552-04	1.622-05
.2	6.275-14	7.762-06	8.929-14	1.164-10	6.462-01	2.256-01	5.184-03	1.550-04	1.671-05
.4	4.273-14	6.095-06	5.731-14	9.634-11	6.034-01	2.309-01	5.376-03	1.519-04	1.731-05
.6	2.923-14	4.654-06	3.619-14	7.978-11	5.540-01	2.367-01	5.591-03	1.451-04	1.800-05
.8	2.012-14	3.429-06	2.195-14	6.603-11	4.998-01	2.426-01	5.831-03	1.337-04	1.876-05
1.0	1.400-14	2.425-06	1.292-14	5.463-11	4.433-01	2.486-01	6.086-03	1.181-04	1.958-05
1.2	9.974-15	1.650-06	7.430-15	4.529-11	3.867-01	2.463-01	6.348-03	9.967-05	2.041-05
1.4	7.412-15	1.089-06	4.259-15	3.781-11	3.320-01	2.454-01	6.617-03	7.997-05	2.126-05
1.6	5.917-15	7.059-07	2.516-15	3.203-11	2.805-01	2.412-01	6.875-03	6.162-05	2.210-05
1.8	5.307-15	4.679-07	1.612-15	2.783-11	2.331-01	2.333-01	7.135-03	4.576-05	2.293-05
2.0	5.778-15	3.226-07	1.216-15	2.525-11	1.903-01	2.212-01	7.392-03	3.291-05	2.376-05
2.2	8.987-15	2.461-07	1.270-15	2.480-11	1.519-01	2.042-01	7.648-03	2.298-05	2.458-05

T= 1070C

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.990-01	3.97349+00	4.66072+01	5.65807+01	1.26967+02	-4.80759+00	3.97346+00
-6.8	4.984-01	3.96837+00	4.65295+01	5.64982+01	1.25860+02	-4.60811+00	3.96936+00
-6.6	4.975-01	3.96141+00	4.64081+01	5.63695+01	1.23112+02	-4.40891+00	3.96215+00
-6.4	4.961-01	3.95032+00	4.62197+01	5.61697+01	1.21102+02	-4.21016+00	3.95095+00
-6.2	4.939-01	3.93258+00	4.59302+01	4.58627+01	1.18997+02	-4.01208+00	3.93373+00
-6.0	4.905-01	3.90624+00	4.54920+01	4.53983+01	1.16754+02	-3.81500+00	3.90766+00
-5.8	4.854-01	3.86736+00	4.48439+01	4.47112+01	1.[illegible]+02	-3.61935+00	3.86908+00
-.6	4.780-01	3.81170+00	4.39151+01	4.37768+01	[illegible]	-3.42564+00	3.81378+00
-.4	4.673-01	3.73535+00	4.26391+01	4.23745+01	1.08603+02	-3.23443+00	3.73781+00
-5.2	4.528-01	3.63592+00	4.09753+01	4.46112+01	1.05241+02	-3.04615+00	3.63876+00
-5.0	4.339-01	3.51394+00	3.89318+01	4.24458+01	1.01550+02	-2.86097+00	3.51713+00
-4.8	4.100-01	3.37347+00	3.65782+01	3.99496+01	9.7608+01	-2.67868+00	3.37695+00
-4.6	3.877-01	3.22143+00	3.40238+01	3.72453+01	9.35373+01	-2.49871+00	3.22511+00
-4.4	3.614-01	3.06594+00	3.14111+01	3.44477+01	8.94769+01	-2.32020+00	3.06972+00
-4.2	3.178-01	2.91454+00	2.88653+01	3.17798+01	8.55540+01	-2.14219+00	2.91833+00
-4.0	2.830-01	2.77311+00	2.64850+01	2.92581+01	8.18646+01	-1.96379+00	2.77684+00
-3.8	2.494-01	2.64534+00	2.43328+01	2.69782+01	7.84655+01	-1.78428+00	2.64894+00
-3.6	2.151-01	2.53297+00	2.24388+01	2.49717+01	7.53798+01	-1.60313+00	2.53638+00
-3.4	1.839-01	2.43621+00	2.08070+01	2.32432+01	7.26045+01	-1.42005+00	2.43942+00
-3.2	1.555-01	2.35428+00	1.94246+01	2.17788+01	7.01196+01	-1.23490+00	2.35726+00
-3.0	1.301-01	2.28581+00	1.82686+01	2.05543+01	6.78958+01	-1.04772+00	2.23856+00
-2.8	1.080-01	2.22914+00	1.73118+01	1.95409+01	6.58598+01	-8.58620-01	2.23166+00
-2.6	8.901-02	2.18259+00	1.65257+01	1.87083+01	6.40982+01	-6.67750-01	2.19488+00
-2.4	7.291-02	2.14450+00	1.58831+01	1.80276+01	6.24597+01	-4.75440-01	2.14658+00
-2.2	5.943-02	2.11338+00	1.53592+01	1.74726+01	6.09556+01	-2.81780-01	2.11526+00
-2.0	4.825-02	2.08786+00	1.49316+01	1.70195+01	5.95608+01	-8.70600-02	2.08955+00
-1.8	3.906-02	2.06669+00	1.45803+01	1.66472+01	5.82530+01	1.08510-01	2.06819+00
-1.6	3.154-02	2.04870+00	1.42871+01	1.63358+01	5.70124+01	3.04720-01	2.05001+00
-1.4	2.544-02	2.03273+00	1.40349+01	1.60677+01	5.58205+01	5.01320-01	2.03388+00
-1.2	2.050-02	2.01755+00	1.38067+01	1.58243+01	5.46597+01	6.98060-01	2.01851+00
-1.0	1.653-02	2.00178+00	1.35842+01	1.55859+01	5.35116+01	8.94650-01	2.00252+00
-.8	1.334-02	1.98376+00	1.33470+01	1.53307+01	5.23566+01	1.09073+00	1.98425+00
-.6	1.080-02	1.96162+00	1.30724+01	1.50346+01	5.11734+01	1.28585+00	1.96176+00
-.4	8.768-03	1.93333+00	1.27367+01	1.46700+01	4.99406+01	1.47954+00	1.93300+00
-.2	7.163-03	1.89711+00	1.23191+01	1.42162+01	4.86407+01	1.67133+00	1.89612+00
.0	5.895-03	1.85202+00	1.18079+01	1.36599+01	4.72658+01	1.86088+00	1.85007+00
.2	4.899-03	1.79847+00	1.12061+01	1.30045+01	4.58232+01	2.04814+00	1.79511+00
.4	4.116-03	1.73840+00	1.05332+01	1.22716+01	4.43357+01	2.23339+00	1.73298+00
.6	3.501-03	1.67496+00	9.82065+00	1.14956+01	4.28372+01	2.41724+00	1.66649+00
.8	3.014-03	1.61176+00	9.10357+00	1.07153+01	4.13634+01	2.60054+00	1.59875+00
1.0	2.625-03	1.55231+00	8.41282+00	9.96513+00	3.99644+01	2.78422+00	1.53249+00
1.2	2.310-03	1.49870+00	7.77059+00	9.27029+00	3.85997+01	2.96924+00	1.46963+00
1.4	2.051-03	1.45679+00	7.18946+00	8.64625+00	3.73383+01	3.15663+00	1.41120+00
1.6	1.837-03	1.42465+00	6.67388+00	8.10053+00	3.61593+01	3.34756+00	1.35747+00
1.8	1.667-03	1.41332+00	6.22261+00	7.63593+00	3.50549+01	3.54348+00	1.30916+00
2.0	1.554-03	1.42268+00	5.83145+00	7.25413+00	3.40118+01	3.74635+00	1.26259+00
2.2	1.542-03	1.46358+00	5.49611+00	6.95969+00	3.30133+01	3.95865+00	1.22033+00

T= 5000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.570-14	1.151-16	3.416-15	9.741-19	5.915-22	3.249-29	7.013-29	9.974-12	1.707-13
-6.8	1.807-13	4.549-16	1.343-14	3.854-18	5.869-21	3.207-28	6.930-28	2.495-11	4.469-13
-6.6	7.117-13	1.787-15	5.305-14	1.520-17	5.767-20	3.161-27	6.803-27	6.221-11	1.096-12
-6.4	2.788-12	6.994-15	2.072-13	5.958-17	5.611-19	3.046-26	6.610-26	1.545-10	2.707-12
-6.2	1.081-11	2.676-14	8.006-13	2.316-16	5.378-18	2.902-25	6.322-25	3.817-10	6.625-12
-6.0	4.138-11	1.012-13	3.045-12	8.895-16	5.060-17	2.694-24	5.900-24	9.319-10	1.600-11
-5.8	1.552-10	3.726-13	1.112-11	3.293-15	4.670-16	2.408-23	5.329-23	2.246-09	3.745-11
-5.6	5.657-10	1.322-12	4.072-11	1.232-14	3.956-25	2.041-22	4.576-22	5.306-09	8.709-11
-5.4	1.982-09	4.467-12	1.400-10	4.368-14	3.217-24	1.610-21	3.677-21	1.219-08	1.929-10
-5.2	6.601-09	1.419-11	4.552-10	1.482-13	2.418-23	1.160-20	2.713-20	2.704-08	4.076-10
-5.0	2.068-08	4.182-11	1.384-09	4.767-13	1.656-22	7.503-20	1.804-19	5.738-08	8.149-10
-4.8	6.043-08	1.140-10	3.927-09	1.447-12	1.025-21	4.320-19	1.078-18	1.159-07	1.595-09
-4.6	1.642-07	2.874-10	1.022-08	4.137-12	5.726-21	2.209-18	5.724-18	2.219-07	2.727-09
-4.4	4.148- 7	6.729-10	2.486-08	1.115-11	2.902-20	1.010-17	2.719-17	4.030-07	4.696-09
-4.2	9.788-07	1.473-09	5.690-08	2.847-11	1.346-19	4.170-17	1.165-16	6.953-07	7.[illegible]-09
-4.0	2.170-06	3.047-09	1.210-07	6.313-11	5.771-19	1.577-16	4.561-16	1.144-06	1.128-08
-3.8	4.550-06	6.097-09	2.441-07	1.605-10	2.312-18	5.534-16	1.651-15	1.806-06	1.674-08
-3.6	9.097-06	1.138-08	4.788-07	3.577-10	8.731-18	1.825-15	5.592-15	2.745-06	2.411-08
-3.4	1.746-05	2.086-08	8.979-07	7.686-10	3.133-17	5.714-15	1.792-14	4.043-06	3.331-08
-3.2	3.236-05	3.719-08	1.633-06	1.597-09	1.075-16	1.716-14	5.485-14	5.742-06	4.675-08
-3.0	5.826-05	6.487-08	2.893-06	3.219-09	3.547-16	4.977-14	1.617-13	8.110-06	6.340-08
-2.8	1.024-04	1.111-07	5.019-06	6.307-09	1.130-15	1.404-13	4.619-13	1.114-05	8.483-08
-2.6	1.764-04	1.874-07	8.557-06	1.204-08	3.486-15	3.869-13	1.287-12	1.506-05	1.123-07
-2.4	2.991-04	3.123-07	1.438-05	2.243-08	1.046-14	1.047-12	3.512-12	2.008-05	1.472-07
-2.2	5.001-04	5.154-07	2.389-05	4.089-08	3.060-14	2.791-12	9.423-12	2.650-05	1.918-07
-2.0	8.268-04	8.438-07	3.931-05	7.307-08	8.749-14	7.349-12	2.493-11	3.465-05	2.483-07
-1.8	1.354-03	1.373-06	6.416-05	1.282-07	2.452-13	1.916-11	6.521-11	4.496-05	3.201-07
-1.6	2.199-03	2.222-06	1.040-04	2.214-07	6.750-13	4.952-11	1.688-10	5.746-05	4.112-07
-1.4	3.544-03	3.583-06	1.677-04	3.770-07	1.830-12	1.271-10	4.332-10	7.425-05	5.271-07
-1.2	5.666-03	5.760-06	2.688-04	6.341-07	4.894-12	3.240-10	1.101-09	9.450-05	6.745-07
-1.0	8.982-03	9.261-06	4.287-04	1.055-06	1.294-11	8.209-10	2.772-09	1.194-04	8.626-07
-.8	1.409-02	1.481-05	6.796-04	1.741-06	3.386-11	2.065-09	6.899-09	1.495-04	1.103-06
-.6	2.180-02	2.371-05	1.070-03	2.849-06	8.781-11	5.154-09	1.691-08	1.850-04	1.413-06
-.4	3.314-02	3.799-05	1.670-03	4.629-06	2.258-10	1.274-08	4.069-08	2.252-04	1.813-06
-.2	4.923-02	6.093-05	2.577-03	7.464-06	5.752-10	3.110-08	9.547-08	2.682-04	2.331-06
.0	7.111-02	9.780-05	3.924-03	1.192-05	1.469-09	7.478-08	2.173-07	3.109-04	3.004-06
.2	9.935-02	1.570-04	5.877-03	1.879-05	3.593-09	1.767-07	4.774-07	3.487-04	3.873-06
.4	1.339-01	2.519-04	8.641-03	2.906-05	8.718-09	4.090-07	1.008-06	3.770-04	4.987-06
.6	1.738-01	4.029-04	1.245-02	4.377-05	2.051-08	9.267-07	2.043-06	3.924-04	6.345-06
.8	2.177-01	6.404-04	1.754-02	6.340-05	4.634-08	2.055-06	3.974-06	3.938-04	8.151-06
1.0	2.636-01	1.009-03	2.424-02	8.790-05	9.970-08	4.462-06	7.434-06	3.833-04	1.032-07
1.2	3.097-01	1.570-03	3.276-02	1.159-04	2.031-07	9.517-06	1.340-05	3.569-04	1.302-05
1.4	3.563-01	2.407-03	4.334-02	1.451-04	3.917-07	2.003-05	2.336-05	3.242-0	1.647-05
1.6	3.963-01	3.628-03	5.620-02	1.734-04	7.181-07	4.190-05	3.942-05	3.272-04	2.111-05
1.8	4.348-01	5.368-03	7.145-02	1.990-04	1.263-06	8.421-05	6.661-05	3.210-04	2.788-05
2.0	4.697-01	7.779-03	8.910-02	2.212-04	2.154-06	1.904-04	1.029-04	3.361-04	3.939-05
2.2	5.008-01	1.101-02	1.089-01	2.396-04	3.604-06	4.334-04	1.594-04	3.941-04	6.142-05

T= 10000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.076-27	2.790-11	5.505-16	2.365-12	3.917-01	3.782-06	1.059-01	8.973-09	2.360-03
-6.8	6.714-27	6.669-11	1.377-15	5.909-12	3.914-01	2.393-06	1.048-01	5.601-09	2.317-03
-6.6	4.164-26	1.735-10	3.438-15	1.469-11	3.907-01	1.514-06	1.045-01	3.537-09	2.332-03
-6.4	2.558-25	4.297-10	8.549-15	3.637-11	3.902-01	9.595-07	1.041-01	2.234-09	2.325-03
-6.2	1.568-24	1.056-09	2.114-14	8.932-11	3.890-01	6.080-07	1.033-01	1.411-09	2.313-03
-6.0	9.169-24	2.566-09	5.185-14	2.167-10	3.872-01	3.867-07	1.022-01	8.920-10	2.296-03
-5.8	5.258-23	6.127-09	1.256-13	5.166-10	3.844-01	2.444-07	1.006-01	5.642-10	2.269-03
-5.6	2.881-22	1.429-08	2.991-13	1.201-09	3.803-01	1.594-07	9.818-02	3.573-10	2.229-03
-5.4	1.485-21	3.223-08	6.956-13	2.700-09	3.742-01	1.023-07	9.485-02	2.266-10	2.173-03
-5.2	7.084-21	6.975-08	1.571-12	5.814-09	3.656-01	6.660-08	9.046-02	1.440-10	2.097-03
-5.0	3.088-20	1.437-07	3.425-12	1.191-08	3.538-01	4.372-08	8.496-02	9.174-11	1.998-03
-4.8	1.220-19	2.803-07	7.183-12	2.307-08	3.384-01	2.894-08	7.850-02	5.864-11	1.877-03
-4.6	4.368-19	5.170-07	1.447-11	4.226-08	3.193-01	1.928-08	7.134-02	3.762-11	1.735-03
-4.4	1.425-18	9.033-07	2.804-11	7.333-08	2.969-01	1.290-08	6.382-02	2.422-11	1.581-03
-4.2	4.275-18	1.502-06	5.234-11	1.211-07	2.716-01	8.645-09	5.626-02	1.565-11	1.416-03
-4.0	1.193-17	2.388-06	9.439-11	1.914-07	2.446-01	5.792-09	4.894-02	1.011-11	1.250-03
-3.8	3.135-17	3.653-06	1.648-10	2.914-07	2.168-01	3.872-09	4.207-02	6.563-12	1.089-03
-3.6	7.827-17	5.406-06	2.796-10	4.294-07	1.894-01	2.579-09	3.577-02	4.255-12	9.343-04
-3.4	1.874-16	7.780-06	4.608-10	6.158-07	1.632-01	1.710-09	3.012-02	2.757-12	7.960-04
-3.2	4.337-16	1.093-05	7.402-10	8.629-07	1.389-01	1.128-09	2.515-02	1.784-12	6.698-04
-3.0	9.761-16	1.507-05	1.160-09	1.186-06	1.169-01	7.411-10	2.083-02	1.154-12	5.546-04
-2.8	2.147-15	2.043-05	1.776-09	1.605-06	9.752-02	4.847-10	1.715-02	7.447-13	4.522-04
-2.6	4.637-15	2.732-05	2.659-09	2.144-06	8.066-02	3.159-10	1.404-02	4.802-13	3.709-04
-2.4	9.866-15	3.613-05	3.900-09	2.834-06	6.627-02	2.052-10	1.144-02	3.033-13	3.106-04
-2.2	2.074-14	4.737-05	5.610-09	3.713-06	5.414-02	1.330-10	9.280-03	1.991-13	2.528-04
-2.0	4.320-14	6.163-05	7.927-09	4.831-06	4.402-02	8.601-11	7.504-03	1.282-13	2.050-04
-1.8	8.929-14	7.971-05	1.102-08	6.253-06	3.565-02	5.556-11	6.061-03	8.253-14	1.658-04
-1.6	1.835-13	1.026-04	1.511-08	8.059-06	2.877-02	3.586-11	4.884-03	5.318-14	1.339-04
-1.4	3.753-13	1.314-04	2.045-08	1.036-05	2.316-02	2.314-11	3.932-03	3.432-14	1.079-04
-1.2	7.653-13	1.678-04	2.738-08	1.328-05	1.859-02	1.492-11	3.165-03	2.219-14	8.702-05
-1.0	1.557-12	2.132-04	3.633-08	1.701-05	1.488-02	9.621-12	2.548-03	1.440-14	7.019-05
-.8	3.164-12	2.699-04	4.784-08	2.178-05	.187-02	6.199-12	2.054-03	9.378-15	5.670-05
-.6	6.428-12	3.397-04	6.260-08	2.792-05	9.625-03	3.989-12	1.660-03	6.134-15	4.594-05
-.4	1.307-11	4.244-04	8.145-08	3.588-05	7.442-03	2.560-12	1.344-03	4.043-15	3.738-05
-.2	2.664-11	5.251-04	1.053-07	4.627-05	5.829-03	1.634-12	1.095-03	2.682-15	3.057-05
.0	5.448-11	6.415-04	1.350-07	5.994-05	4.516-03	1.036-12	8.945-04	1.742-15	2.514-05
.2	1.119-10	7.717-04	1.710-07	7.828-05	3.492-03	6.491-13	7.330-04	1.204-15	2.080-05
.4	2.312-10	9.092-04	2.123-07	1.030-04	2.595-03	4.012-13	6.015-04	8.117-16	1.728-05
.6	4.805-10	1.049-03	2.563-07	1.367-04	1.917-03	2.4[illegible]-13	4.930-04	5.443-16	1.440-05
.8	1.005-09	1.184-03	2.983-07	1.832-04	1.330-03	1.447-13	4.031-04	3.789-16	1.202-05
1.0	2.111-09	1.311-03	3.329-07	2.475-04	9.933-04	8.752-14	3.287-04	2.523-16	1.008-05
1.2	4.458-09	1.430-03	3.564-07	3.369-04	7.030-04	5.25[illegible]-14	2.680-04	1.762-16	8.506-06
1.4	9.461-09	1.550-03	3.693-07	4.620-04	4.972-04	3.234-14	2.192-04	1.261-16	7.246-06
1.6	2.025-08	1.691-03	3.749-07	6.342-04	3.553-04	2.10[illegible]-14	1.830-04	9.398-17	6.414-06
1.8	4.419-08	1.892-03	3.891-07	8.992-04	2.625-04	1.31[illegible]-14	1.571-04	7.788-17	5.909-06
2.0	1.007-07	2.232-03	4.228-07	1.310-03	2.044-04	1.[illegible]-14	1.426-04	7.846-17	5.868-06
2.2	2.527-07	2.927-03	5.162-07	2.071-03	1.774-04	1.362-14	1.435-04	1.053-16	6.640-06

T= 1080C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.570-14	1.153-16	3.416-15	9.741-19	5.935-27	3.249-29	7.013-29	9.979-12	1.767-13
-6.8	1.807-13	4.548-16	1.349-14	3.854-18	5.869-31	3.207-28	6.930-28	2.445-11	4.409-13
-6.6	7.117-13	1.785-15	5.305-14	1.520-17	9.767-30	3.143-27	5.803-27	6.221-11	1.096-12
-6.4	2.787-12	6.954-15	2.072-13	5.958-17	9.611-29	3.046-26	4.610-26	1.545-10	2.707-12
-6.2	1.081-11	2.676-14	8.006-13	2.316-16	5.378-28	2.902-25	6.322-25	3.812-10	6.625-12
-6.0	4.138-11	1.012-13	3.045-12	8.895-16	5.040-27	2.694-24	5.906-24	9.319-10	1.600-11
-5.8	1.552-10	3.726-13	1.132-11	3.351-15	4.570-26	2.408-23	5.328-23	2.246-09	3.786-11
-5.6	5.657-10	1.322-12	4.070-11	1.232-14	3.956-25	2.041-22	4.576-22	5.306-09	8.709-11
-5.4	1.982-09	4.467-12	1.400-10	4.368-14	3.217-24	1.610-21	3.677-21	1.219-08	1.929-10
-5.2	6.601-09	1.418-11	4.552-10	1.482-13	2.418-23	1.160-20	2.713-20	2.704-08	4.076-10
-5.0	2.068-08	4.182-11	1.384-09	4.767-13	1.656-22	7.503-20	1.808-19	5.738-08	8.149-10
-4.8	6.043-08	1.140-10	3.907-09	1.447-12	1.025-21	4.320-19	1.078-18	1.159-07	1.535-09
-4.6	1.642-07	2.874-10	1.022-08	4.137-12	5.726-21	2.209-18	5.724-18	2.219-07	2.727-09
-4.4	4.148-07	6.725-10	2.486-08	1.115-11	2.902-20	1.010-17	2.719-17	4.030-07	4.586-09
-4.2	9.788-07	1.473-09	5.650-08	2.847-11	1.346-19	4.170-17	1.165-16	6.953-07	7.345-09
-4.0	2.170-06	1.047-09	1.210-07	6.913-11	5.771-19	1.577-16	4.561-16	1.144-06	1.128-08
-3.8	4.550-06	6.607-09	2.461-07	1.605-10	2.312-18	5.534-16	1.651-15	1.806-06	1.674-08
-3.6	9.097-06	1.138-08	4.788-07	3.577-10	8.731-18	1.825-15	5.592-15	2.745-06	2.411-08
-3.4	1.746-05	2.086-08	8.979-07	7.686-10	3.133-17	5.716-15	1.792-14	4.043-06	3.391-08
-3.2	3.236-05	3.719-08	1.633-06	1.597-09	1.079-16	1.716-14	5.485-14	5.792-06	4.675-08
-3.0	5.826-05	6.487-08	2.893-06	3.219-09	3.547-16	4.977-14	1.617-13	8.110-06	6.340-08
-2.8	1.024-04	1.111-07	5.019-06	6.307-09	1.130-15	1.404-13	4.619-13	1.114-05	8.483-08
-2.6	1.764-04	1.876-07	8.557-06	1.204-08	3.486-15	3.869-13	1.287-12	1.506-05	1.123-07
-2.4	2.991-04	3.123-07	1.438-05	2.243-08	1.046-14	1.047-12	3.512-12	2.008-05	1.472-07
-2.2	5.001-04	5.154-07	2.389-05	4.089-08	3.060-14	2.791-12	9.423-12	2.650-05	1.918-07
-2.0	8.268-04	8.438-07	3.931-05	7.307-08	8.749-14	7.349-12	2.493-11	3.465-05	2.483-07
-1.8	1.356-03	1.373-06	6.416-05	1.282-07	2.452-13	1.916-11	6.521-11	4.496-05	3.201-07
-1.6	2.199-03	2.222-06	1.040-04	2.216-07	6.750-13	4.952-11	1.688-10	5.796-05	4.112-07
-1.4	3.544-03	3.583-06	1.677-04	3.770-07	1.830-12	1.271-10	4.332-10	7.425-05	5.271-07
-1.2	5.668-03	5.760-06	2.688-04	6.341-07	4.894-12	3.240-10	1.101-09	9.450-05	6.745-07
-1.0	8.982-03	9.241-06	4.287-04	1.055-06	1.294-11	8.208-10	2.772-09	1.194-04	8.626-07
-.8	1.409-02	1.481-05	6.796-04	1.741-06	3.386-11	2.065-09	6.899-09	1.495-04	1.103-06
-.6	2.180-02	2.371-05	1.070-03	2.849-06	8.781-11	5.154-09	1.691-08	1.850-04	1.413-06
-.4	3.314-02	3.799-05	1.670-03	4.629-06	2.258-10	1.274-08	4.068-08	2.252-04	1.813-06
-.2	4.923-02	6.093-05	2.577-03	7.464-06	5.752-10	3.110-08	9.547-08	2.682-04	2.331-06
.0	7.111-02	9.780-05	3.924-03	1.192-05	1.449-09	7.478-08	2.173-07	3.109-04	3.004-06
.2	9.935-02	1.570-04	5.877-03	1.879-05	3.593-09	1.767-07	4.774-07	3.487-04	3.873-06
.4	1.339-01	2.519-04	8.641-03	2.906-05	8.718-09	4.090-07	1.008-06	3.770-04	4.987-06
.6	1.738-01	4.029-04	1.245-02	4.372-05	2.051-08	9.267-07	2.043-06	3.924-04	6.395-06
.8	2.177-01	6.404-04	1.756-02	6.340-05	4.634-08	2.055-06	3.974-06	3.938-04	8.151-06
1.0	2.636-01	1.009-03	2.424-02	8.790-05	9.970-08	4.462-06	7.434-06	3.833-04	1.032-05
1.2	3.097-01	1.570-03	3.276-02	1.159-04	2.031-07	9.517-06	1.340-05	3.649-04	1.302-05
1.4	3.543-01	2.407-03	4.334-02	1.451-04	3.917-07	2.003-05	2.336-05	3.442-04	1.647-05
1.6	3.963-01	3.628-03	5.670-02	1.734-04	7.181-07	4.190-05	3.942-05	3.272-04	2.111-05
1.8	4.348-01	5.368-03	7.145-02	1.990-04	1.263-06	8.821-05	6.461-05	3.210-04	2.789-05
2.0	4.697-01	7.779-03	8.910-02	2.212-04	2.154-06	1.904-04	1.029-04	3.361-04	3.909-05
2.2	5.008-01	1.101-02	1.089-01	2.396-04	3.604-06	4.334-04	1.594-04	3.991-04	6.137-05

T= 1080C

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.076-27	2.790-11	5.505-16	2.365-12	3.917-01	3.787-06	1.050-01	8.873-09	2.340-03
-6.8	6.714-27	6.569-11	1.377-15	5.905-12	3.914-01	2.393-06	1.048-01	5.601-09	2.337-03
-6.6	4.164-26	1.735-10	3.438-15	1.469-11	3.909-01	1.514-06	1.045-01	3.537-09	2.332-03
-6.4	2.558-25	4.297-10	8.549-15	3.637-11	3.902-01	9.585-07	1.041-01	2.234-09	2.325-03
-6.2	1.568-24	1.056-09	2.114-14	8.932-11	3.890-01	6.080-07	1.033-01	1.411-09	2.313-03
-6.0	9.169-24	2.566-09	5.185-14	2.167-10	3.872-01	3.867-07	1.022-01	8.920-10	2.296-03
-5.8	5.258-23	6.127-09	1.256-13	5.166-10	3.844-01	2.469-07	1.006-01	5.642-10	2.269-03
-5.6	2.881-22	1.428-08	2.991-13	1.201-09	3.803-01	1.584-07	9.818-02	3.573-10	2.229-03
-5.4	1.485-21	3.223-08	6.956-13	2.700-09	3.742-01	1.023-07	9.485-02	2.266-10	2.173-03
-5.2	7.084-21	6.975-08	1.571-12	5.814-09	3.656-01	6.660-08	9.046-02	1.440-10	2.097-03
-5.0	3.088-20	1.437-07	3.425-12	1.191-08	3.538-01	4.372-08	8.496-02	9.174-11	1.998-03
-4.8	1.220-19	2.803-07	7.183-12	2.307-08	3.384-01	2.894-08	7.850-02	5.864-11	1.877-03
-4.6	4.368-19	5.170-07	1.447-11	4.226-08	3.193-01	1.928-08	7.134-02	3.762-11	1.735-03
-4.4	1.425-18	9.033-07	2.804-11	7.333-08	2.969-01	1.290-08	6.382-02	2.422-11	1.580-03
-4.2	4.275-18	1.502-06	5.234-11	1.211-07	2.716-01	8.645-09	5.626-02	1.565-11	1.416-03
-4.0	1.192-17	2.388-06	9.439-11	1.914-07	2.446-01	5.792-09	4.894-02	1.013-11	1.250-03
-3.8	3.105-17	3.653-06	1.648-10	2.914-07	2.168-01	3.872-09	4.207-02	6.563-12	1.089-03
-3.6	7.827-17	5.406-06	2.794-10	4.294-07	1.894-01	2.579-09	3.577-02	4.255-12	9.363-04
-3.4	1.874-16	7.780-06	4.608-10	6.158-07	1.632-01	1.710-09	3.012-02	2.757-12	7.960-04
-3.2	4.337-16	1.093-05	7.402-10	8.629-07	1.389-01	1.128-09	2.515-02	1.784-12	6.698-04
-3.0	9.761-16	1.507-05	1.160-09	1.185-06	1.169-01	7.411-10	2.083-02	1.154-12	5.586-04
-2.8	2.147-15	2.043-05	1.776-09	1.605-06	9.752-02	4.847-10	1.715-02	7.447-13	4.622-04
-2.6	4.617-15	2.732-05	2.659-09	2.144-06	8.066-02	3.159-10	1.404-02	4.802-13	3.799-04
-2.4	9.866-15	3.613-05	3.900-09	2.834-06	6.627-02	2.052-10	1.144-02	3.093-13	3.106-04
-2.2	2.074-14	4.737-05	5.610-09	3.713-06	5.414-02	1.330-10	9.280-03	1.991-13	2.528-04
-2.0	4.320-14	6.163-05	7.927-09	4.831-06	4.402-02	8.601-11	7.508-03	1.282-13	2.050-04
-1.8	8.929-14	7.971-05	1.102-08	6.253-06	3.565-02	5.556-11	6.061-03	8.253-14	1.658-04
-1.6	1.835-13	1.026-04	1.511-08	8.059-06	2.877-02	3.586-11	4.884-03	5.318-14	1.339-04
-1.4	3.753-13	1.314-04	2.045-08	1.036-05	2.316-02	2.314-11	3.932-03	3.432-14	1.079-04
-1.2	7.653-13	1.678-04	2.738-08	1.328-05	1.859-02	1.492-11	3.165-03	2.219-14	8.702-05
-1.0	1.557-12	2.132-04	3.633-08	1.701-05	1.488-02	9.621-12	2.548-03	1.440-14	7.019-05
-.8	3.164-12	2.699-04	4.784-08	2.178-05	1.187-02	6.199-12	2.054-03	9.376	5.670-05
-.6	6.428-12	3.397-04	6.260-08	2.792-05	9.425-03	3.989-12	1.660-03	6.134	4.604-05
-.4	1.307-11	4.244-04	8.145-08	3.588-05	7.442-03	2.560-12	1.346-03	4.041	3.738-05
-.2	2.664-11	5.291-04	1.053-07	4.627-05	5.829-03	1.634-12	1.095-03	2.682-15	3.057-05
.0	5.448-11	6.615-04	1.350-07	5.998-05	4.516-03	1.036-12	8.965-04	1.792-15	2.514-05
.2	1.119-10	7.712-04	1.710-07	7.828-05	3.452-03	6.491-13	7.330-04	1.204-15	2.080-05
.4	2.312-10	9.092-04	2.123-07	1.030-04	2.595-03	4.012-13	5.015-04	8.117-16	1.728-05
.6	4.805-10	1.049-03	2.563-07	1.367-04	1.917-03	2.442-13	4.930-04	5.483-16	1.440-05
.8	1.005-09	1.184-03	2.983-07	1.832-04	1.390-03	1.467-13	4.031-04	3.709-16	1.202-05
1.0	2.111-09	1.311-03	3.329-07	2.475-04	9.933-04	8.752-14	3.287-04	2.523-16	1.008-05
1.2	4.458-09	1.430-03	3.564-07	3.369-04	7.030-04	5.252-14	2.680-04	1.742-16	8.504-06
1.4	9.461-09	1.550-03	3.693-07	4.620-04	4.972-04	3.234-14	2.197-04	1.241-16	7.286-06
1.6	2.025-08	1.691-03	3.769-07	6.192-04	3.559-04	2.103-14	1.830-04	9.358-17	6.414-06
1.8	4.619-08	1.842-03	3.991-07	8.992-04	2.625-04	1.510-14	1.571-04	7.788-17	5.909-06
2.0	1.017-07	2.032-03	4.228-07	1.310-03	2.044-04	1.290-14	1.426-04	7.686-17	5.868-06
2.2	2.527-07	2.927-03	5.162-07	2.071-03	1.771-04	1.562-14	1.435-04	1.053-16	6.640-06

Best Available Copy

T= 1000

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.044-14	8.221-17	2.371-15	6.663-19	3.356-32	1.894-29	3.970-29	7.892-12	1.439-13
-6.8	1.204-13	3.247-16	9.374-15	2.639-18	3.324-31	1.873-28	3.931-28	1.976-11	3.593-13
-6.6	4.751-13	1.277-15	3.692-14	1.042-17	3.274-30	1.840-27	3.869-27	4.928-11	8.947-13
-6.4	1.864-12	4.988-15	1.445-13	4.093-17	3.197-29	1.791-26	3.773-26	1.226-10	2.214-12
-6.2	7.258-12	1.929-14	5.608-13	1.594-16	3.091-28	1.717-25	3.630-25	3.032-10	5.437-12
-6.0	2.792-11	7.338-14	2.144-12	6.158-16	2.912-27	1.609-24	3.421-24	7.438-10	1.320-11
-5.8	1.055-10	2.728-13	8.043-12	2.337-15	2.672-26	1.459-23	3.127-23	1.802-09	3.146-11
-5.6	3.887-10	9.813-13	2.927-11	8.665-15	2.352-25	1.261-22	2.734-22	4.289-09	7.310-11
-5.4	1.381-09	3.373-12	1.023-10	3.111-14	1.956-24	1.020-21	2.250-21	9.957-09	1.641-10
-5.2	4.685-09	1.094-11	3.393-10	1.072-13	1.510-23	7.585-21	1.711-20	2.236-08	3.524-10
-5.0	1.499-08	3.307-11	1.055-09	3.510-13	1.067-22	5.090-20	1.181-19	4.919-08	7.177-10
-4.8	4.487-08	9.254-11	3.054-09	1.086-12	6.828-22	3.046-19	7.310-19	9.901-08	1.379-09
-4.6	1.249-07	2.392-10	8.153-09	3.164-12	3.942-21	1.619-18	4.037-18	1.930-07	2.495-09
-4.4	3.233-07	5.728-10	2.040-08	8.689-12	2.059-20	7.669-18	1.986-17	3.568-07	4.268-09
-4.2	7.800-07	1.290-09	4.737-08	2.235-11	9.814-20	3.269-17	8.794-17	6.260-07	6.938-09
-4.0	1.764-06	2.695-09	1.036-07	5.560-11	4.309-19	1.271-16	3.543-16	1.046-06	1.079-08
-3.8	3.786-06	5.332-09	2.136-07	1.308-10	1.761-18	4.563-16	1.314-15	1.674-06	1.618-08
-3.6	7.645-06	1.034-08	4.214-07	2.950-10	6.767-18	1.533-15	4.544-15	2.575-06	2.351-08
-3.4	1.486-05	1.914-08	7.996-07	6.404-10	2.464-17	4.879-15	1.482-14	3.831-06	3.331-08
-3.2	2.785-05	3.441-08	1.467-06	1.343-09	8.562-17	1.484-14	4.600-14	5.538-06	4.620-08
-3.0	5.061-05	6.042-08	2.621-06	2.729-09	2.855-16	4.349-14	1.372-13	7.812-06	6.296-08
-2.8	8.943-05	1.040-07	4.577-06	5.387-09	9.180-16	1.237-13	3.958-13	1.080-05	8.459-08
-2.6	1.554-04	1.761-07	7.846-06	1.035-08	2.857-15	3.436-13	1.111-12	1.467-05	1.123-07
-2.4	2.648-04	2.949-07	1.325-05	1.941-08	8.632-15	9.346-13	3.052-12	1.965-05	1.477-07
-2.2	4.446-04	4.881-07	2.208-05	3.556-08	2.541-14	2.503-12	8.232-12	2.602-05	1.928-07
-2.0	7.377-04	8.011-07	3.644-05	6.384-08	7.306-14	6.615-12	2.188-11	3.413-05	2.502-07
-1.8	1.212-03	1.306-06	5.962-05	1.125-07	2.057-13	1.730-11	5.742-11	4.440-05	3.230-07
-1.6	1.973-03	2.117-06	9.687-05	1.949-07	5.686-13	4.482-11	1.491-10	5.736-05	4.155-07
-1.4	3.187-03	3.417-06	1.564-04	3.330-07	1.547-12	1.153-10	3.836-10	7.363-05	5.330-07
-1.2	5.107-03	5.498-06	2.512-04	5.615-07	4.150-12	2.945-10	9.778-10	9.393-05	6.827-07
-1.0	8.115-03	8.826-06	4.011-04	9.368-07	1.100-11	7.474-10	2.468-09	1.190-04	8.736-07
-.8	1.276-02	1.415-05	6.369-04	1.548-06	2.885-11	1.884-09	6.161-09	1.494-04	1.118-06
-.6	1.982-02	2.266-05	1.005-03	2.538-06	7.496-11	4.711-09	1.516-08	1.855-04	1.432-06
-.4	3.027-02	3.630-05	1.571-03	4.131-06	1.931-10	1.167-08	3.665-08	2.268-04	1.837-06
-.2	4.523-02	5.819-05	2.431-03	6.672-06	4.931-10	2.858-08	8.651-08	2.718-04	2.362-06
.0	6.576-02	9.335-05	3.713-03	1.068-05	1.245-09	6.897-08	1.983-07	3.176-04	3.044-06
.2	9.259-02	1.499-04	5.582-03	1.690-05	3.100-09	1.636-07	4.391-07	3.592-04	3.928-06
.4	1.258-01	2.404-04	8.240-03	2.627-05	7.563-09	3.803-07	9.352-07	3.922-04	5.065-06
.6	1.647-01	3.844-04	1.192-02	3.980-05	1.793-08	8.658-07	1.912-06	4.124-04	6.511-06
.8	2.079-01	6.113-04	1.688-02	5.827-05	4.092-08	1.929-06	3.750-06	4.183-04	8.326-06
1.0	2.535-01	9.439-04	2.340-02	8.170-05	9.908-08	4.208-06	7.069-06	4.112-04	1.059-05
1.2	2.997-01	1.502-03	3.175-02	1.090-04	1.838-07	9.016-06	1.283-05	3.951-04	1.342-05
1.4	3.449-01	2.308-03	4.217-02	1.383-04	3.591-07	1.906-05	2.250-05	3.758-04	1.705-05
1.6	3.876-01	3.486-03	5.487-02	1.670-04	6.662-07	4.004-05	3.819-05	3.599-04	2.195-05
1.8	4.271-01	5.169-03	6.999-02	1.935-04	1.184-06	8.465-05	6.290-05	3.553-04	2.913-05
2.0	4.629-01	7.511-03	8.754-02	2.167-04	2.036-06	1.835-04	1.006-04	3.743-04	4.105-05
2.2	4.951-01	1.066-02	1.073-01	2.362-04	3.429-06	4.190-04	1.565-04	4.476-04	6.482-05

T= 1000

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	8.298-28	2.146-11	4.382-16	2.002-12	3.917-01	5.132-06	1.051-01	1.271-08	2.341-03
-6.8	5.186-27	5.363-11	1.097-15	5.003-12	3.915-01	3.243-06	1.049-01	8.020-09	2.338-03
-6.6	3.226-26	1.337-10	2.741-15	1.247-11	3.911-01	2.050-06	1.047-01	5.064-09	2.334-03
-6.4	1.987-25	3.311-10	6.824-15	3.092-11	3.904-01	1.298-06	1.042-01	3.198-09	2.328-03
-6.2	1.210-24	8.176-10	1.691-14	7.615-11	3.894-01	8.228-07	1.036-01	2.020-09	2.318-03
-6.0	7.221-24	1.995-09	4.160-14	1.856-10	3.879-01	5.228-07	1.026-01	1.277-09	2.303-03
-5.8	4.190-23	4.794-09	1.012-13	4.453-10	3.855-01	3.333-07	1.012-01	8.075-10	2.281-03
-5.6	2.334-22	1.128-08	2.425-13	1.045-09	3.819-01	2.135-07	9.93[illegible]-02	5.110-10	2.247-03
-5.4	1.229-21	2.574-08	5.687-13	2.377-09	3.765-01	1.376-07	9.60[illegible]-02	3.239-10	2.198-03
-5.2	6.025-21	5.653-08	1.297-12	5.196-09	3.688-01	8.934-08	9.198-02	2.054-10	2.130-03
-5.0	2.708-20	1.184-07	2.862-12	1.082-08	3.582-01	5.850-08	8.683-02	1.309-10	2.041-03
-4.8	1.105-19	2.353-07	6.077-12	2.136-08	3.440-01	3.862-08	8.065-02	8.356-11	1.928-03
-4.6	4.085-19	4.420-07	1.270-11	3.985-08	3.262-01	2.568-08	7.367-02	5.353-11	1.795-03
-4.4	1.372-18	7.858-07	2.432-11	7.036-08	3.048-01	1.717-08	6.622-02	3.442-11	1.644-03
-4.2	4.226-18	1.327-06	4.591-11	1.180-07	2.804-01	1.151-08	5.864-02	2.221-11	1.483-03
-4.0	1.206-17	2.140-06	8.363-11	1.892-07	2.539-01	7.715-09	5.122-02	1.437-11	1.318-03
-3.8	3.228-17	3.314-06	1.474-10	2.913-07	2.263-01	5.166-09	4.419-02	9.307-12	1.154-03
-3.6	8.185-17	4.955-06	2.520-10	4.337-07	1.986-01	3.445-09	3.770-02	6.034-12	9.974-04
-3.4	1.985-16	7.194-06	4.187-10	6.272-07	1.719-01	2.288-09	3.194-02	3.911-12	8.518-04
-3.2	4.663-16	1.019-05	6.774-10	8.852-07	1.469-01	1.513-09	2.685-02	2.533-12	7.196-04
-3.0	1.054-15	1.412-05	1.068-09	1.224-06	1.241-01	9.958-10	2.214-02	1.639-12	6.022-04
-2.8	2.335-15	1.924-05	1.646-09	1.665-06	1.038-01	6.525-10	1.826-02	1.059-12	4.998-04
-2.6	5.071-15	2.585-05	2.478-09	2.233-06	8.612-02	4.259-10	1.497-02	6.833-13	4.120-04
-2.4	1.084-14	3.431-05	3.652-09	2.961-06	7.092-02	2.771-10	1.222-02	4.405-13	3.375-04
-2.2	2.287-14	4.511-05	5.278-09	3.891-06	5.805-02	1.798-10	9.927-03	2.838-13	2.752-04
-2.0	4.778-14	5.884-05	7.489-09	5.075-06	4.727-02	1.165-10	8.040-03	1.828-13	2.235-04
-1.8	9.901-14	7.626-05	1.045-08	6.580-06	3.834-02	7.534-11	6.496-03	1.178-13	1.810-04
-1.6	2.039-13	9.830-05	1.437-08	8.493-06	3.099-02	4.868-11	5.239-03	7.596-14	1.463-04
-1.4	4.177-13	1.262-04	1.951-08	1.093-05	2.497-02	3.144-11	4.220-03	4.905-14	1.180-04
-1.2	8.527-13	1.612-04	2.619-08	1.402-05	2.006-02	2.031-11	3.398-03	3.173-14	9.520-05
-1.0	1.736-12	2.053-04	3.483-08	1.797-05	1.608-02	1.311-11	2.736-03	2.059-14	7.691-05
-.8	3.531-12	2.602-04	4.596-08	2.303-05	1.284-02	8.461-12	2.206-03	1.342-14	6.206-05
-.6	7.177-12	3.281-04	6.025-08	2.952-05	1.021-02	5.456-12	1.783-03	8.786-15	5.028-05
-.4	1.460-11	4.109-04	7.853-08	3.793-05	8.082-03	3.510-12	1.445-03	5.790-15	4.089-05
-.2	2.974-11	5.100-04	1.018-07	4.888-05	6.347-03	2.249-12	1.175-03	3.843-15	3.347-05
.0	6.077-11	6.254-04	1.309-07	6.330-05	4.936-03	1.432-12	9.600-04	2.570-15	2.748-05
.2	1.247-10	7.553-04	1.665-07	8.250-05	3.789-03	9.029-13	7.870-04	1.730-15	2.274-05
.4	2.573-10	8.955-04	2.081-07	1.084-04	2.864-03	5.623-13	6.464-04	1.170-15	1.890-05
.6	5.339-10	1.040-03	2.536-07	1.436-04	2.127-03	3.453-13	5.309-04	7.943-16	1.578-05
.8	1.114-09	1.182-03	2.988-07	1.920-04	1.553-03	2.094-13	4.353-04	5.407-16	1.321-05
1.0	2.339-09	1.317-03	3.383-07	2.589-04	1.117-03	1.262-13	3.562-04	3.704-16	1.110-05
1.2	4.936-09	1.447-03	3.679-07	3.520-04	7.954-04	7.650-14	2.915-04	2.576-16	9.401-06
1.4	1.048-08	1.578-03	3.869-07	4.823-04	5.658-04	4.755-14	2.399-04	1.849-16	8.081-06
1.6	2.245-08	1.732-03	4.003-07	6.676-04	4.071-04	3.171-14	2.005-04	1.405-16	7.136-06
1.8	4.909-08	1.948-03	4.182-07	9.404-04	3.015-04	2.261-14	1.728-04	1.179-16	6.594-06
2.0	1.123-07	2.311-03	4.591-07	1.374-03	2.363-04	1.954-14	1.574-04	1.176-16	6.569-06
2.2	2.834-07	3.050-03	5.661-07	2.182-03	2.063-04	2.377-14	1.593-04	1.641-16	7.469-06

T= 1C9CC

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	6.629-07	8.290-05	7.646-09	2.942-C6	1.C24-03	4.455-04	7.866-06	2.235-08	4.603-06
-6.8	4.107-07	8.298-05	4.839-08	2.173-C6	1.618-C3	7.035-04	1.243-05	3.539-08	5.378-06
-6.6	2.646-07	8.309-05	3.067-C8	1.540-C6	2.555-03	1.109-03	1.961-05	5.600-08	6.022-06
-6.4	1.673-07	8.325-05	1.948-C8	1.057-C6	4.024-03	1.743-03	3.086-05	8.852-08	6.521-06
-6.2	1.059-07	8.348-05	1.242-08	7.094-C7	6.310-03	2.726-03	4.837-05	1.397-07	6.893-06
-6.0	6.712-09	8.382-05	7.954-09	4.70A-C7	9.866-03	4.235-03	7.536-05	2.200-07	7.170-06
-5.8	4.263-08	8.434-05	5.134-09	3.111-C7	1.53C-C2	6.512-03	1.164-04	3.452-07	7.388-06
-5.6	2.716-08	8.511-05	3.350-09	2.062-C7	2.345-C2	9.965-03	1.774-04	5.391-07	7.580-06
-5.4	1.736-08	8.621-05	2.218-09	1.381-C7	3.540-C2	1.465-02	2.657-04	8.361-07	7.775-06
-5.2	1.116-08	8.772-05	1.496-09	9.~10-C8	5.236-C2	2.118-02	3.889-04	1.285-06	7. 97-06
-5.0	7.205-09	8.969-05	1.031-09	6.550-C8	7.550-C2	2.969-02	5.531-04	1.950-06	8.265-06
-4.8	4.680-09	9.210-05	7.280-10	4.674-C8	1.056-01	4.017-02	7.614-04	2.918-06	8.592-06
-4.6	3.055-09	9.486-05	5.259-10	3.421-C8	1.430-01	5.240-02	1.012-03	4.291-06	8.980-06
-4.4	2.002-09	9.777-05	3.877-10	2.56~-C8	1.872-01	6.596-02	1.298-03	6.193-06	9.425-06
-4.2	1.316-09	1.005-04	2.904-10	1.962-C8	2.368-01	8.031-02	1.610-03	8.756-06	9.916-06
-4.0	8.656-10	1.028-04	2.200-10	1.526-C8	2.901-01	9.497-02	1.936-03	1.212-05	1.043-05
-3.8	5.694-10	1.043-04	1.676-10	1.201-C8	3.456-01	1.093-01	2.263-03	1.641-05	1.098-05
-3.6	3.740-10	1.047-04	1.278-10	9.535-C9	3.995-01	1.230-01	2.580-03	2.172-05	1.148-05
-3.4	2.451-10	1.037-04	9.717-11	7.612-C9	4.519-01	1.358-01	2.879-03	2.812-05	1.198-05
-3.2	1.602-10	1.013-04	7.361-11	6.096-C9	5.006-01	1.473-01	3.154-03	3.560-05	1.243-05
-3.0	1.045-10	9.732-05	5.496-11	4.890-C9	5.449-01	1.576-01	3.400-03	4.408-05	1.285-05
-2.8	6.791-11	9.202-05	4.071-11	3.924-C9	5.842-01	1.666-01	3.616-03	5.341-05	1.322-05
-2.6	4.405-11	8.556-05	2.979-11	3.150-C9	6.183-01	1.744-01	3.803-03	6.337-05	1.354-05
-2.4	2.852-11	7.823-05	2.152-11	2.527-C9	6.475-01	1.809-01	3.963-03	7.369-05	1.381-05
-2.2	1.843-11	7.039-05	1.535-11	2.026-C9	6.721-01	1.864-01	4.098-03	8.408-05	1.404-05
-2.0	1.191-11	6.234-05	1.082-11	1.624-C9	6.925-01	1.910-01	4.211-03	9.423-05	1.424-05
-1.8	7.690-12	5.446-05	7.534-12	1.301-C9	7.090-01	1.949-01	4.305-03	1.039-04	1.441-05
-1.6	4.968-12	4.695-05	5.193-12	1.043-C9	7.222-01	1.981-01	4.384-03	1.129-04	1.455-05
-1.4	3.214-12	4.002-05	3.548-12	8.359-10	7.322-01	2.007-01	4.451-03	1.211-04	1.468-05
-1.2	2.083-12	3.377-05	2.406-12	6.704-10	7.392-01	2.031-01	4.511-03	1.284-04	1.479-05
-1.0	1.356-12	2.827-05	1.623-12	5.389-10	7.431-01	2.052-01	4.566-03	1.348-04	1.491-05
-.8	8.842-13	2.350-05	1.090-12	4.338-10	7.435-01	2.072-01	4.621-03	1.404-04	1.504-05
-.6	5.806-13	1.943-05	7.307-13	3.504-10	7.397-01	2.094-01	4.682-03	1.452-04	1.520-05
-.4	3.840-13	1.600-05	4.892-13	2.843-10	7.308-01	2.119-01	4.755-03	1.492-04	1.540-05
-.2	2.562-13	1.312-05	3.272-13	2.318-10	7.156-01	2.149-01	4.846-03	1.525-04	1.567-05
.0	1.725-13	1.069-05	2.184-13	1.902-10	6.929-01	2.186-01	4.963-03	1.548-04	1.603-05
.2	1.172-13	8.638-06	1.449-13	1.569-10	6.619-01	2.230-01	5.109-03	1.556-04	1.648-05
.4	8.035-14	6.876-06	9.505-14	1.300-10	6.227-01	2.279-01	5.286-03	1.541-04	1.704-05
.6	5.548-14	5.352-06	6.116-14	1.081-10	5.760-01	2.331-01	5.494-03	1.492-04	1.770-05
.8	3.863-14	4.039-06	3.836-14	8.988-11	5.236-01	2.379-01	5.727-03	1.402-04	1.844-05
1.0	2.725-14	2.939-06	2.339-14	7.447-11	4.678-01	2.417-01	5.978-03	1.266-04	1.924-05
1.2	1.968-14	2.060-06	1.396-14	6.244-11	4.108-01	2.438-01	6.241-03	1.092-04	2.008-05
1.4	1.483-14	1.400-06	8.294-15	5.247-11	3.548-01	2.435-01	6.509-03	8.987-05	2.093-05
1.6	1.200-14	9.359-07	5.065-15	4.477-11	3.014-01	2.400-01	6.778-03	7.069-05	2.179-05
1.8	1.093-14	6.302-07	3.345-15	3.910-11	2.518-01	2.329-01	7.045-03	5.339-05	2.265-05
2.0	1.213-14	4.425-07	2.600-15	3.571-11	2.064-01	2.215-01	7.311-03	3.890-05	2.350-05
2.2	1.951-14	3.436-07	2.833-15	3.544-11	1.654-01	2.052-01	7.575-03	2.741-05	2.435-05

T= 1C9CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.993-01	3.97562+00	4.59131+01	4.98887+01	1.27129+02	-4.79931+00	3.97608+00
-6.8	4.988-01	3.97209+00	4.58563+01	4.98284+01	1.25242+02	-4.59970+00	3.97267+00
-6.6	4.982-01	3.96659+00	4.57677+01	4.97342+01	1.23326+02	-4.40030+00	3.96732+00
-6.4	4.971-01	3.95806+00	4.56295+01	4.95875+01	1.21362+02	-4.20124+00	3.95897+00
-6.2	4.955-01	3.94491+00	4.54157+01	4.93606+01	1.19329+02	-4.00268+00	3.94604+00
-6.0	4.929-01	3.92485+00	4.50886+01	4.90134+01	1.17189+02	-3.80490+00	3.92625+00
-5.8	4.890-01	3.89477+00	4.45970+01	4.84918+01	1.14897+02	-3.60824+00	3.89649+00
-5.6	4.833-01	3.85078+00	4.38768+01	4.77276+01	1.12392+02	-3.41317+00	3.85287+00
-5.4	4.748-01	3.78866+00	4.28581+01	4.66467+01	1.09614+02	-3.22023+00	3.79117+00
-5.2	4.630-01	3.70483+00	4.14613+01	4.51861+01	1.06511+02	-3.02995+00	3.70777+00
-5.0	4.471-01	3.59775+00	3.97203+01	4.33181+01	1.03068+02	-2.84269+00	3.60111+00
-4.8	4.267-01	3.46911+00	3.76024+01	4.10715+01	9.93217+01	-2.65850+00	3.47285+00
-4.6	4.018-01	3.32405+00	3.52113+01	3.85953+01	9.53660+01	-2.47705+00	3.32808+00
-4.4	3.728-01	3.17006+00	3.26705+01	3.58405+01	9.13297+01	-2.29765+00	3.17429+00
-4.2	3.406-01	3.01525+00	3.01136+01	3.31288+01	8.73487+01	-2.11940+00	3.01956+00
-4.0	3.065-01	2.86667+00	2.76578+01	3.05244+01	8.35386+01	-1.94134+00	2.87091+00
-3.8	2.717-01	2.72950+00	2.53883+01	2.81178+01	7.59813+01	-1.76264+00	2.73370+00
-3.6	2.374-01	2.60674+00	2.33556+01	2.59624+01	7.67205+01	-1.58262+00	2.61076+00
-3.4	2.047-01	2.49956+00	2.15799+01	2.40795+01	7.37697+01	-1.40086+00	2.50337+00
-3.2	1.744-01	2.40782+00	2.00589+01	2.24667+01	7.11194+01	-1.21710+00	2.41139+00
-3.0	1.470-01	2.33049+00	1.87761+01	2.11066+01	6.87461+01	-1.03127+00	2.33380+00
-2.8	1.227-01	2.26608+00	1.77071+01	1.99731+01	6.66192+01	-8.43440-01	2.26912+00
-2.6	1.016-01	2.21290+00	1.68244+01	1.90373+01	6.47057+01	-6.53760-01	2.21568+00
-2.4	8.360-02	2.16927+00	1.61003+01	1.82696+01	6.29730+01	-4.62410-01	2.17180+00
-2.2	6.839-02	2.13358+00	1.55089+01	1.76425+01	6.13910+01	-2.69610-01	2.13587+00
-2.0	5.569-02	2.10437+00	1.50262+01	1.71306+01	5.99328+01	-7.56000-02	2.10643+00
-1.8	4.519-02	2.08029+00	1.46311+01	1.67114+01	5.85743+01	1.19400-01	2.08214+00
-1.6	3.657-02	2.06011+00	1.43042+01	1.63644+01	5.77942+01	3.15170-01	2.06176+00
-1.4	2.954-02	2.04265+00	1.40280+01	1.60706+01	5.60733+01	5.11470-01	2.04408+00
-1.2	2.383-02	2.02667+00	1.37850+01	1.58117+01	5.48935+01	7.08060-01	2.02789+00
-1.0	1.922-02	2.01085+00	1.35577+01	1.55686+01	5.37365+01	9.04660-01	2.01183+00
-.8	1.552-02	1.99364+00	1.33266+01	1.53202+01	5.25832+01	1.10093+00	1.99433+00
-.6	1.255-02	1.97323+00	1.30699+01	1.50432+01	5.14130+01	1.29646+00	1.97356+00
-.4	1.019-02	1.94762+00	1.27643+01	1.47115+01	5.02044+01	1.49078+00	1.94746+00
-.2	8.304-03	1.91485+00	1.23871+01	1.43015+01	4.89375+01	1.68342+00	1.91401+00
.0	6.816-03	1.87355+00	1.19218+01	1.37954+01	4.75596+01	1.87394+00	1.87171+00
.2	5.643-03	1.82347+00	1.13644+01	1.31879+01	4.61907+01	2.06218+00	1.82019+00
.4	4.721-03	1.76593+00	1.07271+01	1.24931+01	4.47267+01	2.24825+00	1.76054+00
.6	3.995-03	1.70368+00	1.00364+01	1.17401+01	4.32370+01	2.43267+00	1.69515+00
.8	3.423-03	1.64029+00	9.32624+00	1.09665+01	4.17570+01	2.61620+00	1.62712+00
1.0	2.968-03	1.57949+00	8.62968+00	1.02C9C+01	4.03191+01	2.79979+00	1.55939+00
1.2	2.602-03	1.52474+00	7.97196+00	9.4967C+00	3.89471+01	2.98448+00	1.49626+00
1.4	2.304-03	1.47930+00	7.37011+00	8.84941+00	3.76540+01	3.17134+00	1.43312+00
1.6	2.063-03	1.44654+00	6.83157+00	8.27811+00	3.64424+01	3.36161+00	1.37656+00
1.8	1.874-03	1.43067+00	6.35744+00	7.78811+00	3.53066+01	3.55682+00	1.32450+00
2.0	1.753-03	1.43767+00	5.96500+00	7.38267+00	3.42347+01	3.75894+00	1.27647+00
2.2	1.754-03	1.47629+00	5.59104+00	7.C0733+00	3.32113+01	3.97045+00	1.23180+00

T= 11000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.042-14	5.665-17	1.656-15	4.387-19	1.916-32	1.114-29	2.271-29	6.269-19	1.174-13
-6.8	8.086-14	2.327-16	6.554-15	1.818-18	1.901-31	1.103-28	2.251-28	1.569-11	2.936-13
-6.6	3.193-13	9.166-16	2.585-14	7.181-18	1.876-30	1.087-27	2.220-27	3.920-11	7.316-13
-6.4	1.255-12	3.599-15	1.014-13	2.828-17	1.837-29	1.061-26	2.172-26	9.763-11	1.815-12
-6.2	4.902-12	1.393-14	3.949-13	1.106-16	1.779-28	1.023-25	2.100-25	2.420-10	4.470-12
-6.0	1.894-11	5.370-14	1.518-12	4.283-16	1.694-27	9.667-25	1.995-24	5.955-10	1.089-11
-5.8	7.206-11	1.998-13	5.734-12	1.635-15	1.571-26	8.863-24	1.843-23	1.449-09	2.614-11
-5.6	2.679-10	7.273-13	2.109-11	6.113-15	1.403-25	7.797-23	1.638-22	3.472-09	6.130-11
-5.4	9.644-10	2.540-12	7.478-11	2.220-14	1.190-24	6.457-22	1.377-21	8.133-09	1.393-10
-5.2	3.325-09	8.603-12	2.526-10	7.755-14	9.476-24	4.944-21	1.076-20	1.848-08	3.037-10
-5.0	1.086-08	2.631-11	8.029-10	2.583-13	6.861-23	3.434-20	7.660-20	4.041-08	6.294-10
-4.8	3.374-08	7.466-11	2.380-09	8.141-13	4.534-22	2.134-19	4.930-19	8.438-08	1.232-09
-4.6	9.478-08	1.928-10	6.543-09	2.418-12	2.704-21	1.178-18	2.823-18	1.674-07	2.272-09
-4.4	2.512-07	4.851-10	1.668-08	6.781-12	1.457-20	5.789-18	1.442-17	3.149-07	3.954-09
-4.2	6.199-07	1.187-09	3.959-08	1.785-11	7.139-20	2.549-17	6.602-17	5.620-07	6.527-09
-4.0	1.431-06	2.373-09	8.866-08	4.468-11	3.211-19	1.019-16	2.739-16	9.540-07	1.029-08
-3.8	3.111-06	4.821-09	1.851-07	1.066-10	1.340-18	3.748-16	1.042-15	1.548-06	1.559-08
-3.6	6.416-06	9.341-09	3.703-07	2.432-10	5.242-18	1.285-15	3.683-15	2.411-06	2.287-08
-3.4	1.264-05	1.751-08	7.109-07	5.338-10	1.938-17	4.157-15	1.223-14	3.625-06	3.264-08
-3.2	2.396-05	3.175-08	1.318-06	1.130-09	6.823-17	1.282-14	3.853-14	5.287-06	4.556-08
-3.0	4.396-05	5.615-08	2.374-06	2.316-09	2.301-16	3.798-14	1.163-13	7.516-06	6.241-08
-2.8	7.848-05	9.724-08	4.174-06	4.606-09	7.470-16	1.090-13	3.390-13	1.045-05	8.422-08
-2.6	1.370-04	1.658-07	7.196-06	8.910-09	2.344-15	3.049-13	9.597-13	1.428-05	1.122-07
-2.4	2.346-04	2.780-07	1.220-05	1.680-08	7.136-15	8.346-13	2.654-12	1.922-05	1.441-07
-2.2	3.958-04	4.616-07	2.042-05	3.096-08	2.114-14	2.246-12	7.197-12	2.554-05	1.937-07
-2.0	6.591-04	7.595-07	3.380-05	5.584-08	6.112-14	5.959-12	1.921-11	3.360-05	2.518-07
-1.8	1.086-03	1.240-06	5.545-05	9.881-08	1.729-13	1.563-11	5.061-11	4.384-05	3.256-07
-1.6	1.773-03	2.014-06	9.029-05	1.719-07	4.801-13	4.061-11	1.319-10	5.676-05	4.194-07
-1.4	2.870-03	3.255-06	1.461-04	2.945-07	1.311-12	1.047-10	3.401-10	7.303-05	5.346-07
-1.2	4.610-03	5.243-06	2.349-04	4.981-07	3.527-12	2.690-10	8.693-10	9.335-05	6.904-07
-1.0	7.343-03	8.422-06	3.757-04	8.329-07	9.373-12	6.713-10	2.200-09	1.185-04	8.839-07
-.8	1.158-02	1.351-05	5.975-04	1.379-06	2.464-11	1.720-09	5.508-09	1.492-04	1.132-06
-.6	1.804-02	2.164-05	9.440-04	2.265-06	6.416-11	4.311-09	1.361-08	1.859-04	1.450-06
-.4	2.767-02	3.466-05	1.479-03	3.692-06	1.658-10	1.071-08	3.303-08	2.283-04	1.860-06
-.2	4.156-02	5.554-05	2.295-03	5.974-06	4.236-10	2.629-08	7.841-08	2.751-04	2.392-06
.0	6.092-02	8.906-05	3.516-03	9.588-06	1.073-09	6.364-08	1.810-07	3.235-04	3.083-06
.2	8.627-02	1.429-04	5.304-03	1.521-05	2.680-09	1.515-07	4.038-07	3.692-04	3.980-06
.4	1.181-01	2.292-04	7.859-03	2.375-05	6.570-09	3.538-07	8.671-07	4.069-04	5.139-06
.6	1.559-01	3.665-04	1.142-02	3.673-05	1.568-08	8.091-07	1.787-06	4.323-04	6.620-06
.8	1.983-01	5.832-04	1.624-02	5.351-05	3.612-08	1.811-06	3.535-06	4.430-04	8.492-06
1.0	2.436-01	9.204-04	2.260-02	7.584-05	7.953-08	3.969-06	6.715-06	4.398-04	1.084-05
1.2	2.899-01	1.438-03	3.078-02	1.024-04	1.662-07	8.541-06	1.228-05	4.266-04	1.379-05
1.4	3.355-01	2.210-03	4.103-02	1.315-04	3.288-07	1.813-05	2.166-05	4.091-04	1.760-05
1.6	3.789-01	3.346-03	5.358-02	1.606-04	6.174-07	3.826-05	3.698-05	3.947-04	2.277-05
1.8	4.193-01	4.973-03	6.856-02	1.879-04	1.108-06	8.123-05	6.119-05	3.922-04	3.037-05
2.0	4.561-01	7.243-03	8.602-02	2.121-04	1.923-06	1.768-04	9.835-05	4.157-04	4.302-05
2.2	4.893-01	1.031-02	1.057-01	2.325-04	3.261-06	4.052-04	1.535-04	5.007-04	6.841-05

T= 11000

LOG D	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	6.465-28	1.658-11	3.501-16	1.700-12	3.518-01	6.918-06	1.051-01	1.808-08	2.341-03
-6.8	4.049-27	4.147-11	8.749-16	4.251-12	3.916-01	4.374-05	1.050-01	1.141-08	2.339-03
-6.6	2.520-26	1.035-10	2.192-15	1.060-11	3.912-01	2.763-06	1.047-01	7.204-09	2.336-03
-6.4	1.558-25	2.571-10	5.466-15	2.634-11	3.907-01	1.748-06	1.044-01	4.549-09	2.331-03
-6.2	9.527-25	6.354-10	1.357-14	6.504-11	3.898-01	1.108-06	1.038-01	2.873-09	2.323-03
-6.0	5.728-24	1.556-09	3.346-14	1.591-10	3.885-01	7.033-07	1.030-01	1.816-09	2.310-03
-5.8	3.358-23	3.760-09	8.174-14	3.840-10	3.864-01	4.479-07	1.017-01	1.148-09	2.291-03
-5.6	1.898-22	8.913-09	1.969-13	9.081-10	3.832-01	2.864-07	9.979-02	7.263-10	2.261-03
-5.4	1.019-21	2.056-08	4.652-13	2.088-09	3.785-01	1.842-07	9.708-02	4.601-10	2.219-03
-5.2	5.122-21	4.577-08	1.071-12	4.629-09	3.717-01	1.193-07	9.337-02	2.919-10	2.159-03
-5.0	2.370-20	9.743-08	2.389-12	9.801-09	3.621-01	7.793-08	8.856-02	1.856-10	2.079-03
-4.8	9.985-20	1.970-07	5.137-12	1.969-08	3.491-01	5.133-08	8.268-02	1.184-10	1.975-03
-4.6	3.809-19	3.768-07	1.061-11	3.741-08	3.325-01	3.407-08	7.592-02	7.573-11	1.850-03
-4.4	1.318-18	6.818-07	2.107-11	6.720-08	3.123-01	2.274-08	6.858-02	4.864-11	1.706-03
-4.2	4.170-18	1.170-06	4.022-11	1.145-07	2.888-01	1.524-08	6.100-02	3.134-11	1.548-03
-4.0	1.218-17	1.914-06	7.403-11	1.862-07	2.629-01	1.022-08	5.350-02	2.022-11	1.384-03
-3.8	3.324-17	3.001-06	1.317-10	2.902-07	2.355-01	6.848-09	4.633-02	1.312-11	1.219-03
-3.6	8.566-17	4.535-06	2.271-10	4.366-07	2.078-01	4.575-09	3.966-02	8.505-12	1.059-03
-3.4	2.106-16	6.646-06	3.803-10	6.370-07	1.806-01	3.045-09	3.360-02	5.514-12	9.080-04
-3.2	4.979-16	9.482-06	6.197-10	9.058-07	1.550-01	2.017-09	2.820-02	3.573-12	7.710-04
-3.0	1.140-15	1.323-05	9.840-10	1.261-06	1.315-01	1.330-09	2.348-02	2.313-12	6.476-04
-2.8	2.545-15	1.813-05	1.525-09	1.723-06	1.103-01	8.733-10	1.941-02	1.496-12	5.392-04
-2.6	5.560-15	2.446-05	2.309-09	2.321-06	9.176-02	5.710-10	1.594-02	9.661-13	4.456-04
-2.4	1.194-14	3.259-05	3.420-09	3.089-06	7.574-02	3.721-10	1.303-02	6.234-13	3.659-04
-2.2	2.531-14	4.297-05	4.966-09	4.071-06	6.212-02	2.419-10	1.060-02	4.020-13	2.989-04
-2.0	5.304-14	5.620-05	7.077-09	5.322-06	5.068-02	1.569-10	8.594-03	2.591-13	2.432-04
-1.8	1.102-13	7.299-05	9.915-09	6.915-06	4.116-02	1.016-10	6.953-03	1.671-13	1.972-04
-1.6	2.273-13	9.426-05	1.368-08	8.940-06	3.331-02	6.572-11	5.612-03	1.078-13	1.595-04
-1.4	4.666-13	1.212-04	1.863-08	1.152-05	2.687-02	4.250-11	4.523-03	6.965-14	1.288-04
-1.2	9.538-13	1.551-04	2.507-08	1.479-05	2.162-02	2.748-11	3.644-03	4.509-14	1.040-04
-1.0	1.944-12	1.977-04	3.341-08	1.898-05	1.736-02	1.776-11	2.935-03	2.928-14	8.391-05
-.8	3.957-12	2.510-04	4.417-08	2.432-05	1.387-02	1.148-11	2.367-03	1.908-14	6.781-05
-.6	8.046-12	3.171-04	5.801-08	3.119-05	1.105-02	7.418-12	1.912-03	1.250-14	5.493-05
-.4	1.637-11	3.980-04	7.575-08	4.006-05	8.760-03	4.784-12	1.549-03	8.240-15	4.466-05
-.2	3.334-11	4.953-04	9.836-08	5.161-05	6.897-03	3.076-12	1.260-03	5.472-15	3.649-05
.0	6.810-11	6.096-04	1.269-07	6.679-05	5.380-03	1.967-12	1.029-03	3.662-15	3.000-05
.2	1.396-10	7.395-04	1.620-07	8.694-05	4.147-03	1.247-12	8.438-04	2.470-15	2.481-05
.4	2.877-10	8.815-04	2.038-07	1.140-04	3.150-03	7.821-13	6.937-04	1.676-15	2.064-05
.6	5.962-10	1.030-03	2.505-07	1.508-04	2.356-03	4.843-13	5.708-04	1.142-15	1.725-05
.8	1.243-09	1.179-03	2.985-07	2.017-04	1.729-03	2.965-13	4.692-04	7.821-16	1.448-05
1.0	2.605-09	1.323-03	3.426-07	2.709-04	1.251-03	1.805-13	3.851-04	5.394-16	1.220-05
1.2	5.494-09	1.462-03	3.781-07	3.678-04	8.967-04	1.105-13	3.163-04	3.779-16	1.037-05
1.4	1.166-08	1.605-03	4.037-07	5.037-04	6.415-04	6.932-14	2.613-04	2.732-16	8.939-06
1.6	2.501-08	1.772-03	4.234-07	6.973-04	4.639-04	4.591-14	2.192-04	2.033-16	7.918-06
1.8	5.441-08	2.004-03	4.478-07	9.834-04	3.451-04	3.359-14	1.896-04	1.771-16	7.338-06
2.0	1.258-07	2.390-03	4.968-07	1.441-03	2.717-04	2.936-14	1.734-04	1.786-16	7.336-06
2.2	3.193-07	3.175-03	6.192-07	2.298-03	2.385-04	3.639-14	1.764-04	2.539-16	8.383-06

T= 11000

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	8.792-07	8.288-05	9.807-08	3.349-C8	8.807-04	3.850-06	6.669-06	1.980-08	4.194-06
-6.8	5.554-07	8.295-05	6.205-08	2.532-C6	1.393-03	6.004-04	1.054-05	3.136-08	5.017-06
-6.6	3.509-07	8.305-05	3.931-08	1.829-C6	2.200-03	9.596-04	1.665-05	4.944-08	5.729-06
-6.4	2.219-07	8.319-05	2.495-08	1.274-C6	3.468-03	1.510-03	2.622-05	7.849-08	6.298-06
-6.2	1.404-07	8.339-05	1.588-08	8.638-C7	5.451-03	2.366-03	4.116-05	1.240-07	6.729-06
-6.0	8.895-08	8.369-05	1.016-08	5.763-C7	8.529-03	3.684-03	6.428-05	1.953-07	7.050-06
-5.8	5.643-08	8.414-05	6.537-09	3.817-C7	1.326-C2	5.665-03	9.961-05	3.069-07	7.296-06
-5.6	3.595-08	8.481-05	4.249-09	2.529-C7	2.041-C2	8.659-03	1.526-04	4.801-07	7.501-06
-5.4	2.297-08	8.579-05	2.798-09	1.688-C7	3.098-C2	1.295-02	2.302-04	7.464-07	7.693-06
-5.2	1.476-08	8.716-09	1.875-09	1.144-C7	4.816-C2	1.869-02	3.309-04	1.150-06	7.912-06
-5.0	9.515-09	8.894-05	1.283-09	7.904-C8	6.714-C2	2.678-02	4.885-04	1.753-06	8.166-06
-4.8	6.176-09	9.120-05	8.996-10	5.595-C8	9.491-C2	3.662-02	6.805-04	2.636-06	8.476-06
-4.6	4.031-09	9.383-05	6.443-10	4.062-C8	1.299-01	4.813-02	9.160-04	3.897-06	8.843-06
-4.4	2.642-09	9.668-05	4.719-10	3.023-C8	1.719-01	6.152-02	1.190-03	5.457-06	9.272-06
-4.2	1.736-09	9.945-05	3.517-10	2.298-C8	2.159-01	7.567-02	1.494-03	8.049-06	9.749-06
-4.0	1.145-09	1.019-04	2.655-10	8	2.722-01	9.625-02	03	1.121-05	1.026-05
-3.8	7.560-10	1.035-04	2.018-10	1.395-C8	3.268-01	1.047-01	2.144-03	1.527-05	1.079-05
-3.6	4.962-10	1.042-04	1.538-10	1.105-C8	3.816-01	1.187-01	2.466-03	2.035-05	1.131-05
-3.4	3.258-10	1.036-04	1.170-10	8.810-C9	4.349-01	1.318-01	2.773-03	2.650-05	1.182-05
-3.2	2.134-10	1.015-04	8.852-11	7.050-C9	4.849-01	1.437-01	3.057-03	3.375-05	1.229-05
-3.0	1.394-10	9.792-05	6.641-11	5.654-C9	5.307-01	1.544-01	3.314-03	4.203-05	1.272-05
-2.8	9.078-11	9.295-05	4.931-11	4.538-C9	5.717-01	1.639-01	3.541-03	5.120-05	1.310-05
-2.6	5.898-11	8.676-05	3.619-11	3.643-C9	6.075-01	1.720-01	3.739-03	6.106-05	1.344-05
-2.4	3.824-11	7.964-05	2.623-11	2.923-C9	6.383-01	1.789-01	3.909-03	7.135-05	1.372-05
-2.2	2.475-11	7.191-05	1.877-11	2.345-C9	6.643-01	1.848-01	4.051-03	8.176-05	1.397-05
-2.0	1.601-11	6.393-05	1.326-11	1.88C-C9	6.860-01	1.896-01	4.172-03	9.200-05	1.418-05
-1.8	1.035-11	5.601-05	9.264-12	1.507-C9	7.038-01	1.937-01	4.272-03	1.018-04	1.436-05
-1.6	6.693-12	4.843-05	6.403-12	1.208-C9	7.180-01	1.971-01	4.357-03	1.110-04	1.451-05
-1.4	4.333-12	4.138-05	4.386-12	9.684-10	7.290-01	1.999-01	4.429-03	1.193-04	1.464-05
-1.2	2.810-12	3.500-05	2.982-12	7.770-10	7.369-01	2.024-01	4.491-03	1.268-04	1.476-05
-1.0	1.828-12	2.935-05	2.015-12	6.242-10	7.416-01	2.045-01	4.548-03	1.334-04	1.488-05
-.8	1.194-12	2.444-05	1.356-12	5.025-10	7.430-01	2.066-01	4.604-03	1.392-04	1.501-05
-.6	7.845-13	2.024-05	9.109-13	4.058-10	7.403-01	2.088-01	4.664-03	1.442-04	1.516-05
-.4	5.190-13	1.669-05	6.111-13	3.290-10	7.327-01	2.112-01	4.735-03	1.484-04	1.535-05
-.2	3.463-13	1.371-05	4.098-13	2.682-10	7.191-01	2.141-01	4.822-03	1.519-04	1.561-05
.0	2.336-13	1.120-05	2.745-13	2.199-10	6.981-01	2.176-01	4.934-03	1.565-04	1.594-05
.2	1.569-13	9.084-06	1.831-13	1.814-10	6.690-01	2.217-01	5.074-03	1.557-04	1.638-05
.4	1.092-13	7.273-06	1.210-13	1.504-10	6.315-01	2.265-01	5.245-03	1.548-04	1.691-05
.6	7.568-14	5.707-06	7.872-14	1.252-10	5.863-01	2.315-01	5.448-03	1.509-04	1.755-05
.8	5.298-14	4.355-06	5.007-14	1.043-10	5.349-01	2.363-01	5.677-03	1.429-04	1.828-05
1.0	3.761-14	3.211-06	3.105-14	9.710-11	4.796-01	2.402-01	5.926-03	1.303-04	1.907-05
1.2	2.735-14	2.283-06	1.886-14	7.297-11	4.226-01	2.425-01	6.189-03	1.138-04	1.991-05
1.4	2.075-14	1.574-06	1.141-14	6.147-11	3.662-01	2.425-01	6.458-03	9.472-05	2.077-05
1.6	1.692-14	1.066-06	7.087-15	5.256-11	3.170-01	2.394-01	6.729-03	7.529-05	2.164-05
1.8	1.552-14	7.260-07	4.755-15	4.610-11	2.812-01	2.326-01	7.000-03	5.737-05	2.251-05
2.0	1.740-14	5.147-07	3.756-15	4.225-11	2.646-01	2.216-01	7.269-03	4.209-05	2.337-05
2.2	2.849-14	4.036-07	4.184-15	4.215-11	1.723-01	2.057-01	7.538-03	2.982-05	2.424-05

T= 11000

LOG D	E-	I	E/RT	M/RT	S/R	LOG P	Z*
-7.0	4.994-01	3.97645+00	4.55719+01	4.95483+01	1.27206+02	-4.79526+00	3.97690+00
-6.8	4.990-01	3.97338+00	4.55231+01	4.94985+01	1.25326+02	-4.59559+00	3.97395+00
-6.6	4.984-01	3.96861+00	4.54470+01	4.94156+01	1.23421+02	-4.39611+00	3.96933+00
-6.4	4.975-01	3.96121+00	4.53283+01	4.92895+01	1.21477+02	-4.19693+00	3.96210+00
-6.2	4.961-01	3.94976+00	4.51442+01	4.90935+01	1.19471+02	-3.99818+00	3.95088+00
-6.0	4.939-01	3.93223+00	4.48613+01	4.87935+01	1.17373+02	-3.80011+00	3.93362+00
-5.8	4.905-01	3.90579+00	4.44334+01	4.83392+01	1.15140+02	-3.60304+00	3.90750+00
-5.6	4.854-01	3.86678+00	4.38008+01	4.76676+01	1.12717+02	-3.40740+00	3.86887+00
-5.4	4.779-01	3.81100+00	4.28947+01	4.67057+01	1.10042+02	-3.21371+00	3.81352+00
-5.2	4.673-01	3.73454+00	4.16505+01	4.53851+01	1.07060+02	-3.02252+00	3.73752+00
-5.0	4.528-01	3.63504+00	4.00291+01	4.36642+01	1.03740+02	-2.83424+00	3.63847+00
-4.8	4.339-01	3.51304+00	3.80388+01	4.15518+01	1.00103+02	-2.64907+00	3.51690+00
-4.6	4.104-01	3.37263+00	3.57452+01	3.91179+01	9.62239+01	-2.46678+00	3.37683+00
-4.4	3.827-01	3.22070+00	3.32608+01	3.64815+01	9.22211+01	-2.28680+00	3.22514+00
-4.2	3.516-01	3.06536+00	3.07179+01	3.37833+01	8.82308+01	-2.10827+00	3.06993+00
-4.0	3.179-01	2.91411+00	2.82402+01	3.11543+01	8.43763+01	-1.93025+00	2.91870+00
-3.8	2.831-01	2.77283+00	2.59233+01	2.86961+01	8.07505+01	-1.75183+00	2.77734+00
-3.6	2.486-01	2.64518+00	2.38282+01	2.64734+01	7.74085+01	-1.57230+00	2.64953+00
-3.4	2.153-01	2.53290+00	2.19840+01	2.45169+01	7.43727+01	-1.39114+00	2.53703+00
-3.2	1.841-01	2.43620+00	2.03948+01	2.28316+01	7.16400+01	-1.20804+00	2.44009+00
-3.0	1.557-01	2.35432+00	1.90481+01	2.14025+01	6.91909+01	-1.02289+00	2.35793+00
-2.8	1.304-01	2.28586+00	1.79218+01	2.02076+01	6.69966+01	-8.35700-01	2.28919+00
-2.6	1.083-01	2.22920+00	1.69891+01	1.92183+01	6.50247+01	-6.46610-01	2.23225+00
-2.4	8.927-02	2.18261+00	1.62224+01	1.8405C+01	6.32426+01	-4.55780-01	2.18539+00
-2.2	7.316-02	2.14447+00	1.55953+01	1.77398+01	6.16195+01	-2.63430-01	2.14699+00
-2.0	5.967-02	2.11326+00	1.50834+01	1.71967+01	6.01275+01	-6.98000-02	2.11554+00
-1.8	4.848-02	2.08759+00	1.46648+01	1.67524+01	5.87417+01	1.24890-01	2.08964+00
-1.6	3.927-02	2.06619+00.	1.43193+01	1.63857+01	5.74402+01	3.20420-01	2.06801+00
-1.4	3.175-02	2.04785+00	1.40296+01	1.60775+01	5.62031+01	5.16540-01	2.04944+00
-1.2	2.564-02	2.03134+00	1.37777+01	1.58090+01	5.50120+01	7.13030-01	2.03270+00
-1.0	2.069-02	2.01534+00	1.35461+01	1.55614+01	5.38486+01	9.09600-01	2.01646+00
-.8	1.671-02	1.99836+00	1.33158+01	1.53162+01	5.26941+01	1.10592+00	1.99918+00
-.6	1.351-02	1.97863+00	1.30657+01	1.50443+01	5.15281+01	1.30161+00	1.97908+00
-.4	1.096-02	1.95417+00	1.27725+01	1.47267+01	5.03291+01	1.49621+00	1.95411+00
-.2	8.929-03	1.92297+00	1.24131+01	1.43361+01	4.90768+01	1.68922+00	1.92232+00
.0	7.320-03	1.88347+00	1.19694+01	1.38529+01	4.77563+01	1.88021+00	1.88172+00
.2	6.051-03	1.83518+00	1.14340+01	1.32692+01	4.63644+01	2.06892+00	1.83195+00
.4	5.052-03	1.77905+00	1.08156+01	1.25966+01	4.49135+01	2.25544+00	1.77368+00
.6	4.266-03	1.71760+00	1.01377+01	1.18552+01	4.34304+01	2.44017+00	1.70907+00
.8	3.646-03	1.65432+00	9.43316+00	1.10875+01	4.19495+01	2.62387+00	1.64110+00
1.0	3.155-03	1.59302+00	8.73539+00	1.03284+01	4.05042+01	2.80747+00	1.57281+00
1.2	2.761-03	1.53735+00	8.07177+00	9.60913+00	3.91202+01	2.99207+00	1.50667+00
1.4	2.442-03	1.49033+00	7.46062+00	8.95135+00	3.78123+01	3.17865+00	1.44426+00
1.6	2.185-03	1.45670+00	6.91124+00	8.36794+00	3.65848+01	3.36862+00	1.38631+00
1.8	1.986-03	1.43956+00	6.42601+00	7.86557+00	3.54335+01	3.56348+00	1.33287+00
2.0	1.861-03	1.44537+00	6.00306+00	7.44842+00	3.43473+01	3.76522+00	1.28354+00
2.2	1.870-03	1.48283+00	5.63979+00	7.12262+00	3.33113+01	3.97634+00	1.23770+00

T= 1110C

LOG D	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.379-14	4.241-17	1.164-15	3.177-19	1.104-32	6.609-30	1.311-29	4.996-12	9.637-14
-6.8	5.466-14	1.678-16	4.610-15	1.261-18	1.096-31	6.553-29	1.300-28	1.251-11	2.410-13
-6.6	2.161-13	6.620-16	1.820-14	4.986-18	1.084-30	6.466-28	1.285-27	3.128-11	6.011-13
-6.4	8.509-13	2.594-15	7.156-14	1.965-17	1.055-29	6.334-27	1.261-26	7.799-11	1.493-12
-6.2	3.331-12	1.011-14	2.794-13	7.702-17	1.035-28	6.134-26	1.224-25	1.936-10	3.688-12
-6.0	1.292-11	3.890-14	1.079-12	2.993-16	9.915-28	5.939-25	1.170-24	4.777-10	9.022-12
-5.8	4.947-11	1.469-13	4.101-12	1.148-15	9.280-27	5.414-24	1.092-23	1.167-09	2.177-11
-5.6	1.853-10	5.403-13	1.523-11	4.325-15	8.400-26	4.832-23	9.839-23	2.813-09	5.146-11
-5.4	6.746-10	1.914-12	5.469-11	1.586-14	7.254-25	4.086-22	8.435-22	6.642-09	1.192-10
-5.2	2.361-09	6.449-12	1.878-10	5.615-14	5.880-24	3.214-21	6.762-21	1.526-08	2.613-10
-5.0	7.855-09	2.041-11	6.094-10	1.900-13	4.402-23	2.306-20	4.976-20	3.380-08	5.508-10
-4.8	2.457-08	6.001-11	1.848-09	6.096-13	3.001-22	1.486-19	3.307-19	7.169-08	1.098-09
-4.6	7.172-08	1.631-10	5.206-09	1.845-12	1.849-21	8.522-19	1.965-18	1.447-07	2.063-09
-4.4	1.946-07	4.086-10	1.359-08	5.254-12	1.027-20	4.341-18	1.041-17	2.763-07	3.655-09
-4.2	4.913-07	9.553-10	3.297-08	1.411-11	5.178-20	1.977-17	4.929-17	5.024-07	6.128-09
-4.0	1.158-06	2.088-09	7.482-08	3.584-11	2.399-19	8.136-17	2.168-16	8.665-07	9.792-09
-3.8	2.565-06	4.305-09	1.630-07	8.677-11	1.019-18	3.068-16	8.235-16	1.426-06	1.501-08
-3.6	5.377-06	8.470-09	3.248-07	2.005-10	4.059-18	1.074-15	2.976-15	2.249-06	2.223-08
-3.4	1.074-05	1.602-08	6.314-07	4.449-10	1.524-17	3.534-15	1.007-14	3.419-06	3.198-08
-3.2	2.261-05	2.931-08	1.183-06	9.512-10	5.439-17	1.105-14	3.222-14	5.035-06	4.492-08
-3.0	3.818-05	5.222-08	2.149-06	1.966-09	1.856-16	3.314-14	9.854-14	7.214-06	6.188-08
-2.8	6.873-05	9.098-08	3.806-06	3.940-09	6.084-16	9.602-14	2.902-13	1.010-05	8.388-08
-2.6	1.208-04	1.557-07	6.600-06	7.675-09	1.926-15	2.706-13	8.288-13	1.388-05	.122-07
-2.4	2.091-04	2.625-07	1.125-05	1.456-08	5.908-15	7.454-13	2.308-12	1.876-05	1.685-07
-2.2	3.526-04	4.372-07	1.890-05	2.698-08	1.762-14	2.016-12	6.295-12	2.534-05	1.947-07
-2.0	5.894-04	7.213-07	3.138-05	4.831-08	5.123-14	5.371-12	1.688-11	3.305-05	2.537-07
-1.8	9.743-04	1.191-06	5.162-05	8.692-08	1.457-13	1.414-11	4.466-11	4.323-05	3.286-07
-1.6	1.595-03	1.920-06	8.423-05	1.518-07	4.062-13	3.684-11	1.167-10	5.612-05	4.238-07
-1.4	2.588-03	3.108-06	1.365-04	2.609-07	1.113-12	9.517-11	3.020-10	7.235-05	5.449-07
-1.2	4.167-03	5.010-06	2.199-04	4.424-07	3.005-12	2.441-10	7.738-10	9.268-05	6.990-07
-1.0	6.653-03	8.054-06	3.523-04	7.416-07	8.096-12	6.217-10	1.964-09	1.179-04	8.955-07
-.8	1.052-02	1.282-05	5.612-04	1.231-06	2.110-11	1.573-09	4.930-09	1.488-04	1.147-06
-.6	1.644-02	2.070-05	8.881-04	2.024-06	5.524-11	3.969-09	1.222-08	1.862-04	1.470-06
-.4	2.531-02	3.316-05	1.395-03	3.305-06	1.423-10	9.828-09	2.979-08	2.294-04	1.886-06
-.2	3.821-02	5.313-05	2.169-03	5.357-06	3.648-10	2.420-08	7.109-08	2.773-04	2.425-06
.0	5.626-02	8.519-05	3.332-03	8.613-06	9.259-10	5.877-08	1.651-07	3.269-04	3.126-06
.2	8.036-02	1.366-04	5.042-03	1.371-05	2.320-09	1.404-07	3.712-07	3.783-04	4.038-06
.4	1.109-01	2.130-04	7.499-03	2.149-05	5.715-09	3.293-07	8.035-07	4.298-04	5.220-06
.6	1.475-01	3.503-04	1.094-02	3.298-05	1.373-08	7.562-07	1.670-06	4.514-04	6.737-06
.8	1.891-01	5.976-04	1.562-02	4.910-05	3.190-08	1.700-06	3.330-06	4.673-04	8.666-06
1.0	2.340-01	8.808-04	2.183-02	7.030-05	7.097-08	3.743-06	6.374-06	4.686-04	1.110-05
1.2	2.803-01	1.378-03	2.984-02	9.606-05	1.501-07	8.093-06	1.174-05	4.587-04	1.419-05
1.4	3.262-01	2.121-03	3.993-02	1.248-04	3.008-07	1.726-05	2.084-05	4.436-04	1.818-05
1.6	3.703-01	3.217-03	5.232-02	1.542-04	5.716-07	3.656-05	3.577-05	4.312-04	2.363-05
1.8	4.115-01	4.792-03	6.716-02	1.822-04	1.037-06	7.795-05	5.949-05	4.313-04	3.166-05
2.0	4.493-01	6.997-03	8.452-02	2.073-04	1.815-06	1.703-04	9.603-05	4.601-04	4.508-05
2.2	4.833-01	9.980-03	1.042-01	2.287-04	3.101-06	3.917-04	1.504-04	5.583-04	7.220-05

T= 1110C

LOG D	C2-	NC+	CC+	O-	N+	N++	C+	O++	A+
-7.0	4.873-28	1.287-11	2.807-16	1.447-12	3.919-01	9.278-06	1.052-01	2.556-08	2.341-03
-6.8	3.053-27	3.221-11	7.035-16	3.620-12	3.917-01	5.861-06	1.050-01	1.613-08	2.340-03
-6.6	1.904-26	8.043-11	1.760-15	9.037-12	3.914-01	3.704-06	1.048-01	1.018-08	2.337-03
-6.4	1.181-25	2.002-10	4.393-15	2.248-11	3.909-01	2.343-06	1.045-01	6.431-09	2.333-03
-6.2	7.249-25	4.956-10	1.092-14	5.564-11	3.901-01	1.484-06	1.040-01	4.062-09	2.326-03
-6.0	4.385-24	1.218-09	2.700-14	1.366-10	3.890-01	9.415-07	1.033-01	2.566-09	2.316-03
-5.8	2.594-23	2.957-09	6.617-14	3.317-10	3.872-01	5.990-07	1.021-01	1.622-09	2.299-03
-5.6	1.485-22	7.057-09	1.602-13	7.888-10	3.844-01	3.825-07	1.005-01	1.026-09	2.276-03
-5.4	8.120-22	1.644-08	3.809-13	1.832-09	3.803-01	2.456-07	9.802-02	6.497-10	2.237-03
-5.2	4.176-21	3.704-08	8.848-13	4.112-09	3.742-01	1.587-07	9.463-02	4.120-10	2.185-03
-5.0	1.985-20	8.003-08	1.994-12	8.842-09	3.656-01	1.034-07	9.016-02	2.617-10	2.112-03
-4.8	8.622-20	1.646-07	4.338-12	1.807-08	3.538-01	6.792-08	8.460-02	1.667-10	2.018-03
-4.6	3.394-19	3.209-07	9.074-12	3.495-08	3.384-01	4.498-08	7.808-02	1.066-10	1.901-03
-4.4	1.211-18	5.900-07	1.823-11	6.389-08	3.193-01	2.999-08	7.088-02	6.836-11	1.764-03
-4.2	3.936-18	1.029-06	3.520-11	1.107-07	2.958-01	2.008-08	6.333-02	4.399-11	1.612-03
-4.0	1.177-17	1.709-06	6.548-11	1.825-07	2.716-01	1.347-08	5.578-02	2.840-11	1.449-03
-3.8	3.279-17	2.719-06	1.176-10	2.881-07	2.445-01	9.034-09	4.849-02	1.839-11	1.284-03
-3.6	8.594-17	4.147-06	2.046-10	4.381-07	2.168-01	6.044-09	4.164-02	1.192-11	1.121-03
-3.4	2.142-16	6.133-06	3.454-10	6.451-07	1.894-01	4.029-09	3.539-02	7.728-12	9.669-04
-3.2	5.124-16	8.822-06	5.668-10	9.245-07	1.632-01	2.674-09	2.979-02	5.010-12	8.238-04
-3.0	1.185-15	1.239-05	9.060-10	1.295-06	1.389-01	1.767-09	2.484-02	3.251-12	6.946-04
-2.8	2.664-15	1.707-05	1.412-09	1.780-06	1.170-01	1.162-09	2.060-02	2.100-12	5.802-04
-2.6	5.858-15	2.315-05	2.151-09	2.409-06	9.759-02	7.613-10	1.695-02	1.358-12	4.809-04
-2.4	1.265-14	3.098-05	3.203-09	3.217-06	8.075-02	4.970-10	1.388-02	8.767-13	3.958-04
-2.2	2.691-14	4.096-05	4.673-09	4.253-06	6.637-02	3.235-10	1.131-02	5.658-13	3.240-04
-2.0	5.660-14	5.370-05	6.688-09	5.574-06	5.424-02	2.101-10	9.182-03	3.650-13	2.640-04
-1.8	1.179-13	6.991-05	9.406-09	7.257-06	4.413-02	1.362-10	7.433-03	2.355-13	2.144-04
-1.6	2.430-13	9.045-05	1.302-08	9.398-06	3.576-02	8.823-11	6.004-03	1.521-13	1.731-04
-1.4	5.013-13	1.165-04	1.779-08	1.217-05	2.888-02	5.712-11	4.842-03	9.832-14	1.405-04
-1.2	1.026-12	1.493-04	2.400-08	1.559-05	2.326-02	3.698-11	3.903-03	6.369-14	1.133-04
-1.0	2.094-12	1.906-04	3.206-08	2.001-05	1.868-02	2.394-11	3.145-03	4.137-14	9.153-05
-.8	4.265-12	2.423-04	4.247-08	2.567-05	1.496-02	1.550-11	2.537-03	2.698-14	7.398-05
-.6	8.678-12	3.066-04	5.588-08	3.292-05	1.193-02	1.003-11	2.049-03	1.768-14	5.993-05
-.4	1.766-11	3.857-04	7.309-08	4.229-05	9.478-03	6.484-12	1.660-03	1.166-14	4.872-05
-.2	3.597-11	4.813-04	9.509-08	5.446-05	7.480-03	4.182-12	1.350-03	7.745-15	3.979-05
.0	7.345-11	5.943-04	1.230-07	7.042-05	5.853-03	2.685-12	1.102-03	5.188-15	3.270-05
.2	1.505-10	7.240-04	1.576-07	9.157-05	4.529-03	1.711-12	9.039-04	3.504-15	2.704-05
.4	3.097-10	8.674-04	1.993-07	1.199-04	3.456-03	1.080-12	7.436-04	2.384-15	2.251-05
.6	6.410-10	1.019-03	2.470-07	1.583-04	2.596-03	6.744-13	6.127-04	1.632-15	1.883-05
.8	1.334-09	1.174-03	2.974-07	2.109-04	1.919-03	4.166-13	5.048-04	1.123-15	1.583-05
1.0	2.794-09	1.338-03	3.458-07	2.834-04	1.397-03	2.560-13	4.156-04	7.796-16	1.338-05
1.2	5.848-09	1.476-03	3.872-07	3.843-04	1.007-03	1.582-13	3.426-04	5.501-16	1.140-05
1.4	1.250-08	1.631-03	4.194-07	5.260-04	7.248-04	1.003-13	2.841-04	4.027-16	9.863-06
1.6	2.683-08	1.811-03	4.463-07	7.283-04	5.268-04	6.702-14	2.392-04	3.093-16	8.764-06
1.8	5.891-08	2.059-03	4.778-07	1.028-03	3.938-04	4.950-14	2.076-04	2.640-16	8.148-06
2.0	1.356-07	2.469-03	5.360-07	1.510-03	3.114-04	4.377-14	1.907-04	2.692-16	8.173-06
2.2	3.462-07	3.302-03	6.755-07	2.420-03	2.750-04	5.531-14	1.950-04	3.899-16	9.387-06

T= 1110C

LOG C	A++	C+	C++	HE+	N	O	A	C	HE
-7.0	1.160-06	8.282-05	1.253-07	3.759-C6	7.595-04	3.335-04	5.669-06	1.758-08	3.783-06
-6.8	7.330-07	8.291-05	7.925-08	2.911-C6	1.201-03	5.272-04	8.947-06	2.705-08	4.634-06
-6.6	4.631-07	8.301-05	5.018-08	2.147-C6	1.898-03	8.321-04	1.416-05	4.408-08	5.606-06
-6.4	2.927-07	8.312-05	3.183-08	1.620-C6	2.995-03	1.310-03	2.233-05	6.973-08	6.067-06
-6.2	1.852-07	8.331-05	2.024-08	1.243-C6	4.712-03	2.056-03	3.510-05	1.102-07	6.542-06
-6.0	1.173-07	8.357-05	1.292-08	7.031-C7	7.386-03	3.209-03	5.493-05	1.737-07	6.913-06
-5.8	7.445-08	8.397-05	8.297-09	4.[illegible]-C7	1.151-02	4.988-03	8.537-05	2.733-07	7.193-06
-5.6	4.737-08	8.456-05	5.374-09	3.[illegible]-C7	1.778-02	7.612-03	1.314-04	4.281-07	7.417-06
-5.4	3.024-08	8.542-05	3.523-09	2.[illegible]-C7	2.712-02	1.144-02	1.993-04	6.669-07	7.620-06
-5.2	1.939-08	8.663-05	2.367-09	1.387-C7	4.067-02	1.681-02	2.926-04	1.031-06	7.331-06
-5.0	1.250-08	8.827-05	1.595-09	9.527-C8	5.965-02	2.408-02	4.306-04	1.577-06	8.073-06
-4.8	8.111-09	9.036-05	1.108-09	6.692-C8	8.514-02	3.332-02	6.068-04	2.351-06	8.304-06
-4.6	5.291-09	9.285-05	7.895-10	4.821-C8	1.178-01	4.448-02	8.263-04	3.539-06	8.715-06
-4.4	3.469-09	9.560-05	5.736-10	3.550-C8	1.576-01	5.725-02	1.068-03	5.167-06	9.128-06
-4.2	2.282-09	9.838-05	4.252-10	2.660-C8	2.038-01	7.115-02	1.382-03	7.395-06	9.598-06
-4.0	1.505-09	1.009-04	3.197-10	2.071-C8	2.568-01	8.565-02	1.699-03	1.036-05	1.009-05
-3.8	9.929-10	1.027-04	2.425-10	1.616-C8	3.089-01	1.002-01	2.026-03	1.421-05	1.062-05
-3.6	6.545-10	1.037-04	1.846-10	1.278-C8	3.539-01	1.144-01	2.302-03	1.905-05	1.114-05
-3.4	4.306-10	1.034-04	1.404-10	1.017-C8	4.178-01	1.278-01	2.665-03	2.496-05	1.165-05
-3.2	2.826-10	1.016-04	1.064-10	8.134-C9	4.690-01	1.401-01	2.956-03	3.198-05	1.214-05
-3.0	1.849-10	9.943-05	7.996-11	6.520-C9	5.163-01	1.512-01	3.225-03	4.005-05	1.258-05
-2.8	1.207-10	9.379-05	5.952-11	5.233-C9	5.588-01	1.610-01	3.463-03	4.905-05	1.298-05
-2.6	7.853-11	8.788-05	4.300-11	4.201-C9	5.963-01	1.695-01	3.671-03	5.880-05	1.333-05
-2.4	5.099-11	8.0[illegible]8-05	3.183-11	3.372-C9	6.287-01	1.759-01	3.850-03	6.903-05	1.364-05
-2.2	3.306-11	7.339-05	2.285-11	2.706-C9	6.563-01	1.830-01	4.003-03	7.945-05	1.389-05
-2.0	2.140-11	6.547-05	1.619-11	2.170-C9	6.793-01	1.892-01	4.131-03	8.976-05	1.411-05
-1.8	1.385-11	5.754-05	1.135-11	1.740-C9	6.983-01	1.925-01	4.239-03	9.969-05	1.430-05
-1.6	8.968-12	4.989-05	7.864-12	1.395-C9	7.135-01	1.961-01	4.329-03	1.090-04	1.446-05
-1.4	5.811-12	4.274-05	5.400-12	1.119-C9	7.255-01	1.991-01	4.405-03	1.176-04	1.460-05
-1.2	3.772-12	3.624-05	3.680-12	8.979-10	7.343-01	2.016-01	4.470-03	1.253-04	1.472-05
-1.0	2.455-12	3.045-05	2.493-12	7.214-10	7.399-01	2.036-01	4.530-03	1.324-04	1.484-05
-.8	1.605-12	2.540-05	1.681-12	5.807-10	7.422-01	2.060-01	4.587-03	1.388-04	1.497-05
-.6	1.055-12	2.107-05	1.131-12	4.688-10	7.406-01	2.081-01	4.647-03	1.431-04	1.512-05
-.4	6.979-13	1.740-05	7.664-13	3.799-10	7.343-01	2.105-01	4.716-03	1.476-04	1.530-05
-.2	4.659-13	1.431-05	5.111-13	3.095-10	7.221-01	2.132-01	4.800-03	1.512-04	1.554-05
.0	3.141-13	1.172-05	3.434-13	2.537-10	7.028-01	2.166-01	4.906-03	1.540-04	1.586-05
.2	2.141-13	9.536-06	2.302-13	2.092-10	6.755-01	2.206-01	5.040-03	1.556-04	1.628-05
.4	1.475-13	7.674-06	1.532-13	1.735-10	6.398-01	2.252-01	5.206-03	1.554-04	1.679-05
.6	1.026-13	6.067-06	1.007-13	1.446-10	5.961-01	2.301-01	5.403-03	1.523-04	1.742-05
.8	7.220-14	4.677-06	6.486-14	1.207-10	5.458-01	2.348-01	5.628-03	1.453-04	1.813-05
1.0	5.156-14	3.491-06	4.086-14	1.010-10	4.911-01	2.388-01	5.875-03	1.338-04	1.891-05
1.2	3.775-14	2.517-06	2.526-14	8.485-11	4.342-01	2.413-01	6.137-03	1.181-04	1.975-05
1.4	2.884-14	1.760-06	1.556-14	7.176-11	3.774-01	2.415-01	6.407-03	9.947-05	2.061-05
1.6	2.368-14	1.208-06	9.831-15	6.155-11	3.224-01	2.387-01	6.681-03	7.992-05	2.149-05
1.8	2.190-14	8.324-07	6.704-15	5.415-11	2.706-01	2.323-01	6.955-03	6.146-05	2.237-05
2.0	2.480-14	5.962-07	5.385-15	4.982-11	2.228-01	2.217-01	7.228-03	4.543-05	2.324-05
2.2	4.134-14	4.723-07	6.137-15	4.996-11	1.792-01	2.060-01	7.501-03	3.236-05	2.412-05

T= 1110C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	4.995-01	3.97715+00	4.52347+01	4.92119+01	1.27279+02	-4.79125+00	3.97760+00
-6.8	4.991-01	3.97448+00	4.51927+01	4.91672+01	1.25406+02	-4.59154+00	3.97509+00
-6.6	4.986-01	3.97033+00	4.51272+01	4.90975+01	1.23511+02	-4.39200+00	3.97104+00
-6.4	4.978-01	3.96389+00	4.50250+01	4.89869+01	1.21582+02	-4.19270+00	3.96478+00
-6.2	4.966-01	3.95391+00	4.48662+01	4.88201+01	1.19 00+02	-3.99380+00	3.95502+00
-6.0	4.947-01	3.93858+00	4.46213+01	4.85599+01	1.17538+02	-3.79546+00	3.93996+00
-5.8	4.917-01	3.91574+00	4.42489+01	4.81643+01	1.15357+02	-3.59805+00	3.91704+00
-5.6	4.872-01	3.88078+00	4.36938+01	4.75746+01	1.13C06+02	-3.40190+00	3.88287+00
-5.4	4.806-01	3.83082+00	4.28899+01	4.67207+01	1.10426+02	-3.20753+00	3.83335+00
-5.2	4.711-01	3.76134+00	4.17698+01	4.55311+01	1.07556+02	-3.01548+00	3.76434+00
-5.0	4.579-01	3.66933+00	4.02841+01	4.39534+01	1.04359+02	-2.82624+00	3.67282+00
-4.8	4.405-01	3.55428+00	3.84241+01	4.19704+01	1.00835+02	-2.64007+00	3.55824+00
-4.6	4.186-01	3.41917+00	3.62368+01	3.96160+01	9.7043[illegible]+01	-2.45690+00	3.42352+00
-4.4	3.920-01	3.27012+00	3.38212+01	3.70913+01	9.30850+01	-2.27626+00	3.27476+00
-4.2	3.618-01	3.11504+00	3.13051+01	3.44201+01	8.9C987+01	-2.09736+00	3.11986+00
-4.0	3.289-01	2.96179+00	2.88166+01	3.17784+01	8.52103+01	-1.91927+00	2.96667+00
-3.8	2.944-01	2.81685+00	2.64605+01	2.92774+01	8.15247+01	-1.74106+00	2.82168+00
-3.6	2.597-01	2.68458+00	2.63085+01	2.69931+01	7.81066+01	-1.56195+00	2.68926+00
-3.4	2.259-01	2.56729+00	2.23988+01	2.49661+01	7.49884+01	-1.38135+00	2.57177+00
-3.2	1.939-01	2.46565+00	2.07427+01	2.32084+01	7.21740+01	-1.19889+00	2.46987+00
-3.0	1.646-01	2.37915+00	1.93322+01	2.17114+01	6.96486+01	-1.01440+00	2.38308+00
-2.8	1.383-01	2.30655+00	1.81478+01	2.04544+01	6.73859+01	-8.27860-01	2.31019+00
-2.6	1.151-01	2.24627+00	1.71641+01	1.94104+01	6.53343+01	-6.39360-01	2.24962+00
-2.4	9.515-02	2.19662+00	1.63537+01	1.85503+01	6.35213+01	-4.49070-01	2.19957+00
-2.2	7.814-02	2.15592+00	1.56898+01	1.78457+01	6.18555+01	-2.57190-01	2.15869+00
-2.0	6.384-02	2.12241+00	1.51478+01	1.72701+01	6.03283+01	-6.39500-02	2.12511+00
-1.8	5.194-02	2.09525+00	1.47042+01	1.67994+01	5.89140+01	1.30410-01	2.09751+00
-1.6	4.212-02	2.07254+00	1.43395+01	1.64121+01	5.75899+01	3.25680-01	2.07455+00
-1.4	3.408-02	2.05324+00	1.40350+01	1.60882+01	5.63355+01	5.21620-01	2.05500+00
-1.2	2.754-02	2.03610+00	1.37730+01	1.58091+01	5.51319+01	7.17980-01	2.03763+00
-1.0	2.224-02	2.01984+00	1.35359+01	1.55558+01	5.39810+01	9.14490-01	2.02110+00
-.8	1.776-02	2.00298+00	1.33052+01	1.53081+01	5.28039+01	1.11085+00	2.00393+00
-.6	1.453-02	1.98381+00	1.30600+01	1.50438+01	5.16406+01	1.30668+00	1.98437+00
-.4	1.178-02	1.96036+00	1.27775+01	1.47375+01	5.04458+01	1.50151+00	1.96041+00
-.2	9.591-03	1.93062+00	1.24344+01	1.43650+01	4.92105+01	1.69687+00	1.92996+00
.0	7.855-03	1.89287+00	1.20110+01	1.39039+01	4.79064+01	1.88630+00	1.89119+00
.2	6.484-03	1.84634+00	1.14972+01	1.33435+01	4.65313+01	2.07549+00	1.84318+00
.4	5.404-03	1.79170+00	1.08980+01	1.26897+01	4.50942+01	2.26744+00	1.78636+00
.6	4.553-03	1.73117+00	1.02340+01	1.19651+01	4.36189+01	2.46752+00	1.72263+00
.8	3.883-03	1.66816+00	9.53642+00	1.12046+01	4.21387+01	2.63141+00	1.65486+00
1.0	3.353-03	1.60647+00	8.83894+00	1.04454+01	4.06874+01	2.81505+00	1.58614+00
1.2	2.929-03	1.54936+00	8.17032+00	9.72028+00	3.92923+01	2.99950+00	1.51907+00
1.4	2.587-03	1.50222+00	7.55065+00	9.05287+00	3.79703+01	3.18591+00	1.45564+00
1.6	2.314-03	1.46693+00	6.99096+00	8.45789+00	3.67275+01	3.37559+00	1.39614+00
1.8	2.105-03	1.44855+00	6.49492+00	7.94347+00	3.55609+01	3.57011+00	1.34134+00
2.0	1.975-03	1.45319+00	6.06160+00	7.51475+00	3.44605+01	3.77149+00	1.29071+00
2.2	1.992-03	1.48943+00	5.68909+00	7.17852+00	3.34119+01	3.98220+00	1.24367+00

T= 1120C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.373-15	3.072-17	8.226-16	2.214-19	6.422-33	3.955-30	7.634-30	3.999-12	7.918-14
-6.8	3.717-14	1.216-16	3.260-15	8.708-19	6.384-32	3.926-29	7.502-29	1.002-11	1.991-13
-6.6	1.471-13	4.804-16	1.289-14	3.420-18	6.321-31	3.881-28	7.502-28	2.506-11	4.964-13
-6.4	5.799-13	1.888-15	5.074-14	1.373-17	6.223-30	3.811-27	7.379-27	6.256-11	1.231-12
-6.2	2.275-12	7.372-15	1.986-13	5.394-17	6.073-29	3.706-26	7.192-26	1.555-10	3.045-12
-6.0	8.853-12	2.848-14	7.698-13	2.102-16	5.847-28	3.549-25	6.914-25	3.846-10	7.475-12
-5.8	3.403-11	1.082-13	2.943-12	8.103-16	5.517-27	3.321-24	6.507-24	9.431-10	1.812-11
-5.6	1.285-10	4.017-13	1.102-11	3.071-15	5.052-26	3.004-23	5.936-23	2.284-09	4.314-11
-5.4	4.727-10	1.442-12	4.002-11	1.137-14	4.433-25	2.598-22	5.177-22	5.431-09	1.001-10
-5.2	1.677-09	4.940-12	1.396-10	4.072-14	3.671-24	2.086-21	4.247-21	1.259-08	2.241-10
-5.0	5.677-09	1.596-11	4.614-10	1.398-13	2.821-23	1.563-20	3.216-20	2.825-08	4.798-10
-4.8	1.812-08	4.804-11	1.431-09	4.563-13	1.981-22	1.030-19	2.210-19	6.079-08	9.736-10
-4.6	5.410-08	1.338-10	4.125-09	1.406-12	1.259-21	6.126-19	1.361-18	1.247-07	1.863-09
-4.4	1.503-07	3.442-10	1.103-08	4.079-12	7.271-21	3.236-18	7.470-18	2.427-07	3.360-09
-4.2	3.879-07	8.207-10	2.736-08	1.115-11	3.747-20	1.526-17	3.661-17	4.473-07	5.726-09
-4.0	9.340-07	1.827-09	6.333-08	2.880-11	1.773-19	6.665-17	1.615-16	7.849-07	9.277-09
-3.8	2.109-06	3.833-09	1.378-07	7.064-11	7.734-19	2.602-16	6.482-16	1.310-06	1.439-08
-3.6	4.494-06	7.645-09	2.842-07	1.653-10	3.141-18	8.950-16	2.397-15	2.094-06	2.152-08
-3.4	9.110-06	1.462-08	5.536-07	3.709-10	1.199-17	2.599-15	8.269-15	3.220-06	3.122-08
-3.2	1.769-05	2.701-08	1.060-06	8.009-10	4.338-17	9.517-15	2.691-14	4.787-06	4.416-08
-3.0	3.312-05	4.849-08	1.943-06	1.670-09	1.498-16	2.988-14	8.340-14	6.916-06	6.118-08
-2.8	6.014-05	8.502-08	3.467-06	3.373-09	4.961-16	8.453-14	2.484-13	9.753-06	8.437-08
-2.6	1.064-04	1.462-07	6.049-06	6.617-09	1.585-15	2.401-13	7.158-13	1.348-05	1.119-07
-2.4	1.845-04	2.476-07	1.036-05	1.264-08	4.899-15	6.659-13	2.008-12	1.831-05	1.485-07
-2.2	3.141-04	4.139-07	1.748-05	2.356-09	1.471-14	1.810-12	5.510-12	2.453-05	1.953-07
-2.0	5.272-04	6.847-07	2.913-05	4.289-08	4.302-14	4.845-12	1.485-11	3.249-05	2.550-07
-1.8	8.744-04	1.123-06	4.805-05	7.655-08	1.230-13	1.280-11	3.944-11	4.263-05	3.309-07
-1.6	1.435-03	1.830-06	7.858-05	1.342-07	3.444-13	3.344-11	1.034-10	5.547-05	4.274-07
-1.4	2.335-03	2.966-06	1.276-04	2.314-07	9.473-13	8.660-11	2.684-10	7.168-05	5.501-07
-1.2	3.768-03	4.787-06	2.059-04	3.936-07	2.565-12	2.226-10	6.896-10	9.201-05	7.063-07
-1.0	6.030-03	7.702-06	3.304-04	6.613-07	6.895-12	5.680-10	1.755-09	1.173-04	9.056-07
-.8	9.559-03	1.236-05	5.270-04	1.100-06	1.810-11	1.439-09	4.419-09	1.485-04	1.160-06
-.6	1.498-02	1.982-05	8.354-04	1.812-06	4.733-11	3.621-09	1.098-08	1.861-04	1.487-06
-.4	2.316-02	3.174-05	1.314-03	2.984-06	1.226-10	9.032-09	2.689-08	2.304-04	1.909-06
-.2	3.512-02	5.085-05	2.049-03	4.811-06	3.149-10	2.229-08	6.446-08	2.805-04	2.455-06
.0	5.201-02	8.149-05	3.156-03	7.750-06	8.010-10	5.431-08	1.507-07	3.360-04	3.165-06
.2	7.480-02	1.306-04	4.792-03	1.236-05	2.013-09	1.302-07	3.412-07	3.871-04	4.090-06
.4	1.040-01	2.096-04	7.152-03	1.946-05	4.978-09	3.066-07	7.444-07	4.343-04	5.231-06
.6	1.394-01	3.349-04	1.047-02	3.002-05	1.203-08	7.073-07	1.560-06	4.704-04	6.841-06
.8	1.801-01	5.333-04	1.501-02	4.504-05	2.817-08	1.597-06	3.136-06	4.918-04	8.863-06
1.0	2.245-01	8.430-04	2.107-02	6.510-05	6.332-08	3.533-06	6.049-06	4.980-04	1.134-05
1.2	2.707-01	1.319-03	2.891-02	8.995-05	1.355-07	7.672-06	1.122-05	4.921-04	1.455-05
1.4	3.169-01	2.036-03	3.883-02	1.182-04	2.748-07	1.643-05	2.005-05	4.800-04	1.873-05
1.6	3.615-01	3.094-03	5.106-02	1.478-04	5.286-07	3.496-05	3.461-05	4.701-04	2.445-05
1.8	4.036-01	4.618-03	6.577-02	1.764-04	9.697-07	7.484-05	5.785-05	4.734-04	3.292-05
2.0	4.423-01	6.758-03	8.301-02	2.024-04	1.713-06	1.642-04	9.381-05	5.083-04	4.713-05
2.2	4.775-01	9.662-03	1.026-01	2.248-04	2.947-06	3.789-04	1.475-04	6.217-04	7.602-05

T= 1120C

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.682-28	1.003-11	2.249-16	1.239-12	3.919-01	1.238-05	1.052-01	3.591-08	2.341-03
-6.8	2.308-27	2.510-11	5.665-16	3.091-12	3.917-01	7.818-06	1.051-01	2.267-08	2.341-03
-6.6	1.442-26	6.274-11	1.418-15	7.724-12	3.913-01	4.940-06	1.049-01	1.431-08	2.338-03
-6.4	8.961-26	1.563-10	3.542-15	1.924-11	3.911-01	3.124-06	1.046-01	9.036-09	2.335-03
-6.2	5.521-25	3.878-10	8.818-15	4.770-11	3.904-01	1.978-06	1.042-01	5.707-09	2.329-03
-6.0	3.357-24	9.554-10	2.184-14	1.174-10	3.894-01	1.254-06	1.035-01	3.605-09	2.320-03
-5.8	2.001-23	2.330-09	5.369-14	2.860-10	3.878-01	7.972-07	1.025-01	2.278-09	2.306-03
-5.6	1.159-22	5.593-09	1.305-13	6.854-10	3.854-01	5.084-07	1.010-01	1.441-09	2.285-03
-5.4	6.438-22	1.314-08	3.123-13	1.606-09	3.818-01	3.258-07	9.885-02	9.120-10	2.253-03
-5.2	3.379-21	2.994-08	7.311-13	3.646-09	3.764-01	2.101-07	9.577-02	5.780-10	2.207-03
-5.0	1.649-20	6.560-08	1.664-12	7.953-09	3.686-01	1.366-07	9.164-02	3.670-10	2.142-03
-4.8	7.375-20	1.371-07	3.661-12	1.652-08	3.579-01	8.949-08	8.640-02	2.335-10	2.057-03
-4.6	2.994-19	2.716-07	7.750-12	3.252-08	3.437-01	5.914-08	8.014-02	1.491-10	1.949-03
-4.4	1.101-18	5.089-07	1.576-11	6.049-08	3.258-01	3.936-08	7.311-02	9.549-11	1.819-03
-4.2	3.679-18	9.024-07	3.078-11	1.065-07	3.043-01	2.634-08	6.563-02	6.139-11	1.672-03
-4.0	1.128-17	1.521-06	5.788-11	1.782-07	2.799-01	1.767-08	5.804-02	3.960-11	1.513-03
-3.8	3.208-17	2.447-06	1.050-10	2.850-07	2.533-01	1.186-08	5.064-02	2.562-11	1.348-03
-3.6	8.558-17	3.783-06	1.842-10	4.383-07	2.257-01	7.941-09	4.365-02	1.660-11	1.184-03
-3.4	2.165-16	5.650-06	3.135-10	6.515-07	1.981-01	5.302-09	3.721-02	1.077-11	1.026-03
-3.2	5.240-16	8.193-06	5.183-10	9.412-07	1.715-01	3.526-09	3.141-02	6.983-12	8.778-04
-3.0	1.224-15	1.159-05	8.340-10	1.327-06	1.465-01	2.334-09	2.628-02	4.526-12	7.430-04
-2.8	2.774-15	1.606-05	1.308-09	1.835-06	1.238-01	1.538-09	2.182-02	2.931-12	6.228-04
-2.6	6.141-15	2.188-05	2.004-09	2.495-06	1.036-01	1.009-09	1.860-02	1.896-12	5.177-04
-2.4	1.333-14	2.939-05	3.000-09	3.345-06	8.593-02	6.600-10	1.676-02	1.225-12	4.272-04
-2.2	2.849-14	3.901-05	4.397-09	4.436-06	7.078-02	4.302-10	1.205-02	7.915-13	3.505-04
-2.0	6.012-14	5.129-05	6.321-09	5.830-06	5.795-02	2.798-10	9.792-03	5.110-13	2.861-04
-1.8	1.256-13	6.692-05	8.925-09	7.604-06	4.722-02	1.817-10	7.935-03	3.300-13	2.326-04
-1.6	2.603-13	8.676-05	1.240-08	9.868-06	3.832-02	1.178-10	6.415-03	2.132-13	1.886-04
-1.4	5.363-13	1.119-04	1.699-08	1.275-05	3.099-02	7.637-11	5.177-03	1.379-13	1.526-04
-1.2	1.100-12	1.436-04	2.298-08	1.641-05	2.498-02	4.949-11	4.175-03	8.941-14	1.233-04
-1.0	2.249-12	1.837-04	3.078-08	2.108-05	2.009-02	3.208-11	3.366-03	5.811-14	9.966-05
-.8	4.580-12	2.338-04	4.085-08	2.706-05	1.610-02	2.080-11	2.715-03	3.791-14	8.058-05
-.6	9.324-12	2.964-04	5.384-08	3.472-05	1.287-02	1.349-11	2.194-03	2.486-14	6.528-05
-.4	1.898-11	3.735-04	7.055-08	4.461-05	1.024-02	8.738-12	1.777-03	1.640-14	5.305-05
-.2	3.867-11	4.673-04	9.195-08	5.743-05	8.095-03	5.651-12	1.444-03	1.090-14	4.332-05
.0	7.893-11	5.789-04	1.192-07	7.422-05	6.353-03	3.642-12	1.179-03	7.306-15	3.568-05
.2	1.616-10	7.080-04	1.533-07	9.647-05	4.933-03	2.333-12	9.670-04	4.941-15	2.942-05
.4	3.324-10	8.523-04	1.948-07	1.261-04	3.782-03	1.482-12	7.960-04	3.370-15	2.449-05
.6	6.871-10	1.007-03	2.431-07	1.662-04	2.856-03	9.322-13	6.567-04	2.315-15	2.052-05
.8	1.429-09	1.167-03	2.956-07	2.211-04	2.123-03	5.809-13	5.422-04	1.601-15	1.728-05
1.0	2.999-09	1.327-03	3.479-07	2.966-04	1.555-03	3.604-13	4.477-04	1.118-15	1.464-05
1.2	6.292-09	1.487-03	3.950-07	4.017-04	1.128-03	2.249-13	3.702-04	7.946-16	1.251-05
1.4	1.335-08	1.654-03	4.343-07	5.494-04	8.163-04	1.439-13	3.081-04	5.832-16	1.086-05
1.6	2.869-08	1.847-03	4.685-07	7.607-04	5.965-04	9.709-14	2.604-04	4.537-16	9.676-06
1.8	6.312-08	2.112-03	5.081-07	1.075-03	4.481-04	7.242-14	2.269-04	3.906-16	9.024-06
2.0	1.458-07	2.546-03	5.765-07	1.582-03	3.560-04	6.481-14	2.092-04	4.028-16	9.084-06
2.2	3.742-07	3.429-03	7.349-07	2.548-03	3.162-04	8.353-14	2.152-04	5.948-16	1.049-05

T= 111CC

LOG C	A++	C+	C++	NE-	N	O	A	C	NE
-7.0	1.924-06	8.271-05	1.593-07	4.162-06	6.967-04	2.896-04	4.833-06	1.563-08	3.379-06
-6.8	9.826-07	8.287-05	1.008-07	3.302-06	1.039-03	4.577-04	7.648-06	2.477-08	4.243-06
-6.6	6.082-07	8.297-05	6.380-08	2.490-06	1.442-03	7.231-04	1.209-05	3.923-08	5.042-06
-6.4	3.844-07	8.308-05	4.044-08	1.795-06	2.592-03	1.146-03	1.907-05	6.207-08	5.767-06
-6.2	2.432-07	8.324-05	2.569-08	1.249-06	4.085-03	1.791-03	3.001-05	9.810-08	6.329-06
-6.0	1.540-07	8.347-05	1.638-08	8.473-07	6.408-03	2.800-03	4.704-05	1.548-07	6.756-06
-5.8	9.768-08	8.382-05	1.050-08	5.661-07	1.001-02	4.347-03	7.330-05	2.437-07	7.077-06
-5.6	6.211-08	8.433-05	6.778-09	3.759-07	1.550-02	6.678-03	1.132-04	3.823-07	7.326-06
-5.4	3.962-08	8.509-05	4.425-09	2.501-07	2.376-02	1.011-02	1.727-04	5.967-07	7.540-06
-5.2	2.539-08	8.618-05	2.932-09	1.680-07	3.584-02	1.498-02	2.588-04	9.247-07	7.751-06
-5.0	1.635-08	8.767-05	1.979-09	1.147-07	5.296-02	2.183-02	3.792-04	1.419-06	7.994-06
-4.8	1.060-08	8.960-05	1.365-09	7.999-08	7.628-02	3.026-02	5.400-04	2.152-06	8.261-06
-4.6	6.910-09	9.194-05	9.639-10	5.718-08	1.066-01	4.095-02	7.445-04	3.214-06	8.594-06
-4.4	4.529-09	9.459-05	6.984-10	4.191-08	1.442-01	5.316-02	9.917-04	4.718-06	8.996-06
-4.2	2.982-09	9.734-05	5.132-10	3.145-08	1.884-01	6.677-02	1.275-03	6.792-06	9.435-06
-4.0	1.949-09	9.989-05	3.842-10	2.408-08	2.381-01	8.114-02	1.585-03	9.577-06	9.927-06
-3.8	1.300-09	1.019-04	2.906-10	1.874-08	2.916-01	9.573-02	1.910-03	1.321-05	1.045-05
-3.6	8.583-10	1.031-04	2.209-10	1.476-08	3.463-01	1.109-01	2.238-03	1.782-05	1.093-05
-3.4	5.658-10	1.031-04	1.681-10	1.173-08	4.008-01	1.238-01	2.556-03	2.350-05	1.149-05
-3.2	3.720-10	1.017-04	1.274-10	9.364-09	4.530-01	1.364-01	2.857-03	3.028-05	1.199-05
-3.0	2.439-10	9.834-05	9.593-11	7.502-09	5.016-01	1.479-01	3.134-03	3.813-05	1.244-05
-2.8	1.595-10	9.454-05	7.156-11	6.020-09	5.457-01	1.581-01	3.382-03	4.698-05	1.286-05
-2.6	1.040-10	8.992-05	5.280-11	4.834-09	5.848-01	1.670-01	3.601-03	5.658-05	1.322-05
-2.4	6.762-11	8.224-05	3.849-11	3.881-09	6.188-01	1.747-01	3.790-03	6.675-05	1.354-05
-2.2	4.390-11	7.481-05	2.771-11	3.115-09	6.478-01	1.812-01	3.952-03	7.717-05	1.382-05
-2.0	2.846-11	6.696-05	1.970-11	2.499-09	6.723-01	1.866-01	4.088-03	8.754-05	1.405-05
-1.8	1.844-11	5.905-05	1.384-11	2.009-09	6.925-01	1.912-01	4.203-03	9.758-05	1.424-05
-1.6	1.195-11	5.135-05	9.619-12	1.608-09	7.088-01	1.950-01	4.299-03	1.071-04	1.441-05
-1.4	7.752-12	4.410-05	6.623-12	1.290-09	7.218-01	1.982-01	4.380-03	1.158-04	1.456-05
-1.2	5.036-12	3.748-05	4.524-12	1.035-09	7.315-01	2.009-01	4.449-03	1.237-04	1.469-05
-1.0	3.280-12	3.155-05	3.071-12	8.316-10	7.380-01	2.032-01	4.511-03	1.307-04	1.481-05
-.8	2.145-12	2.637-05	2.075-12	6.693-10	7.412-01	2.054-01	4.569-03	1.368-04	1.493-05
-.6	1.410-12	2.191-05	1.399-12	5.407-10	7.406-01	2.075-01	4.629-03	1.421-04	1.508-05
-.4	9.336-13	1.811-05	9.423-13	4.377-10	7.355-01	2.098-01	4.697-03	1.467-04	1.526-05
-.2	6.233-13	1.492-05	6.348-13	3.564-10	7.247-01	2.124-01	4.778-03	1.505-04	1.548-05
.0	4.207-13	1.225-05	4.278-13	2.919-10	7.071-01	2.156-01	4.880-03	1.535-04	1.579-05
.2	2.870-13	9.994-06	2.879-13	2.407-10	6.815-01	2.195-01	5.008-03	1.555-04	1.618-05
.4	1.981-13	8.079-06	1.929-13	1.997-10	6.476-01	2.239-01	5.168-03	1.557-04	1.668-05
.6	1.383-13	6.431-06	1.279-13	1.665-10	6.055-01	2.287-01	5.360-03	1.534-04	1.728-05
.8	9.776-14	5.003-06	8.341-14	1.393-10	5.564-01	2.334-01	5.580-03	1.474-04	1.798-05
1.0	7.022-14	3.779-06	5.334-14	1.169-10	5.024-01	2.374-01	5.825-03	1.370-04	1.876-05
1.2	5.175-14	2.761-06	3.356-14	9.841-11	4.457-01	2.400-01	6.086-03	1.222-04	1.959-05
1.4	3.982-14	1.957-06	2.102-14	8.349-11	3.886-01	2.404-01	6.357-03	1.041-04	2.045-05
1.6	3.293-14	1.362-06	1.352-14	7.184-11	3.330-01	2.380-01	6.632-03	8.453-05	2.133-05
1.8	3.069-14	9.498-07	9.373-15	6.341-11	2.802-01	2.319-01	6.909-03	6.562-05	2.222-05
2.0	3.513-14	6.875-07	7.681-15	5.855-11	2.312-01	2.216-01	7.186-03	4.887-05	2.311-05
2.2	5.966-14	5.505-07	8.940-15	5.906-11	1.863-01	2.063-01	7.463-03	3.502-05	2.400-05

T= 112CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.995-01	3.977776+00	4.49025+01	4.88803+01	1.27351+02	-4.78729+00	3.97820+00
-6.8	4.993-01	3.97562+00	4.48861+01	4.88415+01	1.25484+02	-4.58754+00	3.97598+00
-6.6	4.988-01	3.97180+00	4.48596+01	4.87814+01	1.23597+02	-4.38794+00	3.97250+00
-6.4	4.981-01	3.96618+00	4.47214+01	4.86875+01	1.21681+02	-4.18856+00	3.96705+00
-6.2	4.970-01	3.95746+00	4.45841+01	4.85415+01	1.19719+02	-3.98951+00	3.95856+00
-6.0	4.954-01	3.94404+00	4.43719+01	4.83155+01	1.17687+02	-3.79099+00	3.94541+00
-5.8	4.928-01	3.92336+00	4.40476+01	4.79712+01	1.15551+02	-3.59324+00	3.92523+00
-5.6	4.889-01	3.89299+00	4.35608+01	4.74538+01	1.13264+02	-3.39664+00	3.89507+00
-5.4	4.830-01	3.84932+00	4.26486+01	4.66970+01	1.10769+02	-3.20186+00	3.85085+00
-5.2	4.743-01	3.78538+00	4.18433+01	4.56286+01	1.08005+02	-3.00862+00	3.78841+00
-5.0	4.625-01	3.70065+00	4.04877+01	4.41884+01	1.04925+02	-2.81865+00	3.70420+00
-4.8	4.465-01	3.59273+00	3.87584+01	4.23511+01	1.01515+02	-2.63150+00	3.59677+00
-4.6	4.259-01	3.46343+00	3.66839+01	4.01474+01	9.78154+01	-2.44742+00	3.46792+00
-4.4	4.008-01	3.31800+00	3.43479+01	3.76659+01	9.39174+01	-2.26605+00	3.32285+00
-4.2	3.718-01	3.16399+00	3.18710+01	3.50350+01	8.99474+01	-2.08669+00	3.16906+00
-4.0	3.396-01	3.00943+00	2.93830+01	3.23924+01	8.60384+01	-1.90944+00	3.01460+00
-3.8	3.054-01	2.86134+00	2.69967+01	2.98580+01	8.23005+01	-1.73036+00	2.86649+00
-3.6	2.707-01	2.72476+00	2.47939+01	2.75186+01	7.88121+01	-1.55160+00	2.72979+00
-3.4	2.365-01	2.60264+00	2.28224+01	2.54251+01	7.56147+01	-1.37151+00	2.60747+00
-3.2	2.039-01	2.49609+00	2.11012+01	2.35972+01	7.27201+01	-1.18967+00	2.50066+00
-3.0	1.737-01	2.40493+00	1.96273+01	2.20323+01	7.01184+01	-1.00583+00	2.40921+00
-2.8	1.464-01	2.32811+00	1.83845+01	2.07127+01	6.77864+01	-8.19920-01	2.33207+00
-2.6	1.222-01	2.26412+00	1.73490+01	1.96131+01	6.56939+01	-6.32030-01	2.26777+00
-2.4	1.012-01	2.21129+00	1.64937+01	1.87055+01	6.38086+01	-4.42280-01	2.21463+00
-2.2	8.331-02	2.16792+00	1.57919+01	1.79593+01	6.20988+01	-2.50880-01	2.17096+00
-2.0	6.818-02	2.13241+00	1.52182+01	1.73506+01	6.05551+01	-5.80600-02	2.13516+00
-1.8	5.555-02	2.10328+00	1.47492+01	1.68525+01	5.90911+01	1.35970-01	2.10576+00
-1.6	4.510-02	2.07917+00	1.43642+01	1.64434+01	5.77432+01	3.30960-01	2.08134+00
-1.4	3.653-02	2.05883+00	1.40441+01	1.61029+01	5.64705+01	5.26690-01	2.06078+00
-1.2	2.954-02	2.04099+00	1.37710+01	1.58120+01	5.52535+01	7.22910-01	2.04269+00
-1.0	2.386-02	2.02439+00	1.35275+01	1.55519+01	5.40739+01	9.19360-01	2.02579+00
-.8	1.928-02	2.00754+00	1.32951+01	1.53026+01	5.29131+01	1.11574+00	2.00863+00
-.6	1.560-02	1.98882+00	1.30535+01	1.50423+01	5.17512+01	1.31167+00	1.98951+00
-.4	1.264-02	1.96628+00	1.27803+01	1.47465+01	5.05671+01	1.50672+00	1.96665+00
-.2	1.029-02	1.93789+00	1.24520+01	1.43899+01	4.93396+01	1.70040+00	1.93733+00
.0	8.422-03	1.90182+00	1.20479+01	1.39497+01	4.80511+01	1.89224+00	1.90023+00
.2	6.943-03	1.85707+00	1.15552+01	1.34127+01	4.66926+01	2.08190+00	1.85397+00
.4	5.776-03	1.80397+00	1.09757+01	1.27796+01	4.52698+01	2.26930+00	1.79867+00
.6	4.858-03	1.74449+00	1.03265+01	1.20710+01	4.38035+01	2.45474+00	1.73595+00
.8	4.134-03	1.68185+00	9.63727+00	1.13191+01	4.23153+01	2.63886+00	1.66852+00
1.0	3.562-03	1.61999 + 0	8.94135+00	1.05613+01	4.08692+01	2.82257+00	1.59949+00
1.2	3.106-03	1.56268+00	8.26873+00	9.8314C+00	3.94641+01	3.00694+00	1.53160+00
1.4	2.741-03	1.5 197+00	7.64125+00	9.15512+00	3.81287+01	3.19316+00	1.46680+00
1.6	2.450-03	1.47737+00	7.07166+00	8.54903+00	3.68709+01	3.38256+00	1.40617+00
1.8	2.229-03	1.45774+00	6.56500+00	8.02274+00	3.56892+01	3.57675+00	1.35000+00
2.0	2.095-03	1.46113+00	6.12134+00	7.58247+00	3.45745+01	3.77776+00	1.29805+00
2.2	2.122-03	1.49620+00	5.73956+00	7.23576+00	3.35133+01	3.98806+00	1.24980+00

T= 1130C

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.421-15	2.237-17	5.844-16	1.552-19	3.769-33	2.387-30	4.486-30	3.214-12	6.536-14
-6.8	2.547-14	8.868-17	2.319-15	6.164-19	3.750-32	2.372-29	4.460-29	8.056-12	1.636-13
-6.6	1.009-13	3.505-16	9.175-15	2.443-18	3.719-31	2.348-28	4.418-28	2.016-11	4.098-13
-6.4	3.982-13	1.380-15	3.617-14	9.653-18	3.668-30	2.311-27	4.355-27	5.035-11	1.018-12
-6.2	1.565-12	5.400-15	1.419-13	3.799-17	3.591-29	2.255-26	4.258-26	1.254-10	2.524-12
-6.0	6.107-12	2.093-14	5.518-13	1.484-16	3.473-28	2.171-25	4.113-25	3.107-10	6.214-12
-5.8	2.358-11	8.001-14	2.120-12	5.742-16	3.300-27	2.048-24	3.900-24	7.641-10	1.513-11
-5.6	8.959-11	2.994-13	7.992-12	2.189-15	3.053-26	1.876-23	3.596-23	1.856-09	3.624-11
-5.4	3.325-10	1.087-12	2.934-11	8.165-15	2.718-25	1.641-22	3.185-22	4.447-09	8.482-11
-5.2	1.195-09	3.782-12	1.037-10	2.957-14	2.294-24	1.353-21	2.667-21	1.040-08	1.922-10
-5.0	4.107-09	1.245-11	3.490-10	1.029-13	1.806-23	1.029-20	2.074-20	2.360-08	4.175-10
-4.8	1.337-08	3.834-11	1.105-09	3.414-13	1.305-22	7.101-20	1.471-19	5.148-08	8.617-10
-4.6	4.077-08	1.094-10	3.259-09	1.071-12	8.558-22	4.379-19	9.377-19	1.072-07	1.679-09
-4.4	1.158-07	2.882-10	8.916-09	3.161-12	5.061-21	2.398-18	5.334-18	2.123-07	3.081-09
-4.2	3.059-07	7.028-10	2.267-08	8.797-12	2.704-20	1.169-17	2.706-17	3.983-07	5.338-09
-4.0	7.923-07	1.598-09	5.346-08	2.309-11	1.314-19	5.113-17	1.232-16	7.090-07	8.776-09
-3.8	1.731-06	3.404-09	1.185-07	5.748-11	5.863-19	2.032-16	5.083-16	1.201-06	1.378-08
-3.6	3.754-06	6.899-09	2.482-07	1.369-10	2.429-18	7.434-16	1.925-15	1.945-06	2.063-08
-3.4	7.725-06	1.333-08	4.952-07	3.043-10	9.478-18	2.538-15	6.777-15	3.026-06	3.047-08
-3.2	1.519-05	2.487-08	9.486-07	6.745-10	3.461-17	8.181-15	2.243-14	4.544-06	4.341-08
-3.0	2.875-05	4.501-08	1.755-06	1.419-09	1.210-16	2.515-14	7.051-14	6.622-06	6.049-08
-2.8	5.267-05	7.944-08	3.157-06	2.890-09	4.050-16	7.437-14	2.124-13	9.406-06	8.279-08
-2.6	9.393-05	1.374-07	5.544-06	5.710-09	1.305-15	2.131-13	6.130-13	1.306-05	1.116-07
-2.4	1.638-04	2.336-07	9.546-06	1.097-08	4.067-15	5.949-13	1.747-12	1.786-05	1.487-07
-2.2	2.803-04	3.920-07	1.618-05	2.056-08	1.230-14	1.626-12	4.835-12	2.403-05	1.961-07
-2.0	4.725-04	6.503-07	2.705-05	3.765-08	3.619-14	4.392-12	1.307-11	3.194-05	2.565-07
-1.8	7.864-04	1.069-06	4.475-05	6.750-08	1.040-13	1.159-11	3.487-11	4.203-05	3.321-07
-1.6	1.295-03	1.746-06	7.337-05	1.188-07	2.925-13	3.038-11	9.177-11	5.483-05	4.314-07
-1.4	2.112-03	2.834-06	1.194-04	2.056-07	8.078-13	7.888-11	2.388-10	7.101-05	5.560-07
-1.2	3.416-03	4.579-06	1.930-04	3.504-07	2.195-12	2.031-10	6.153-10	9.134-05	7.146-07
-1.0	5.478-03	7.373-06	3.101-04	5.906-07	5.882-12	5.194-10	1.570-09	1.167-04	9.168-07
-.8	8.705-03	1.184-05	4.955-04	9.562-07	1.557-11	1.319-09	3.963-09	1.481-04	1.175-06
-.6	1.368-02	1.899-05	7.866-04	1.625-06	4.060-11	3.324-09	9.884-09	1.861-04	1.507-06
-.4	2.122-02	3.042-05	1.240-03	2.661-06	1.059-10	8.307-09	2.428-08	2.312-04	1.935-06
-.2	3.232-02	4.872-05	1.936-03	4.327-06	2.724-10	2.055-08	5.851-08	2.828-04	2.488-06
.0	4.813-02	7.806-05	2.991-03	6.983-06	6.944-10	5.022-08	1.375-07	3.387-04	3.208-06
.2	6.967-02	1.251-04	4.555-03	1.117-05	1.750-09	1.208-07	3.135-07	3.953-04	4.147-06
.4	9.757-02	2.005-04	6.823-03	1.760-05	4.344-09	2.856-07	6.892-07	4.473-04	5.370-06
.6	1.318-01	3.206-04	1.003-02	2.734-05	1.055-08	6.615-07	1.456-06	4.884-04	6.955-06
.8	1.715-01	5.107-04	1.443-02	4.130-05	2.499-08	1.500-06	2.950-06	5.161-04	8.991-06
1.0	2.153-01	8.079-04	2.033-02	6.023-05	5.698-08	3.334-06	5.734-06	5.276-04	1.159-05
1.2	2.614-01	1.265-03	2.801-02	8.412-05	1.222-07	7.272-06	1.071-05	5.261-04	1.493-05
1.4	3.078-01	1.956-03	3.776-02	1.118-04	2.519-07	1.564-05	1.926-05	5.176-04	1.931-05
1.6	3.530-01	2.978-03	4.982-02	1.414-04	4.285-07	3.343-05	3.343-05	5.108-04	2.531-05
1.8	3.957-01	4.455-03	6.438-02	1.705-04	9.059-07	7.185-05	5.618-05	5.180-04	3.425-05
2.0	4.354-01	6.534-03	8.151-02	1.973-04	1.815-06	1.582-04	9.151-05	5.599-04	4.929-05
2.2	4.715-01	9.362-03	1.010-01	2.207-04	2.800-06	3.664-04	1.445-04	6.902-04	8.008-05

T= 1130C

LOG E	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	2.786-29	7.847-12	1.824-16	1.057-12	3.919-01	1.643-05	1.052-01	5.016-08	2.341-03
-6.8	1.748-27	1.965-11	4.577-16	2.647-12	3.918-01	1.038-05	1.051-01	3.166-08	2.341-03
-6.6	1.093-26	4.915-11	1.147-15	6.617-12	3.916-01	6.557-06	1.050-01	1.999-08	2.339-03
-6.4	6.807-26	1.226-10	2.866-15	1.650-11	3.912-01	4.145-06	1.047-01	1.262-08	2.336-03
-6.2	4.206-25	3.046-10	7.143-15	4.098-11	3.907-01	2.623-06	1.043-01	7.970-09	2.332-03
-6.0	2.569-24	7.522-10	1.772-14	1.011-10	3.898-01	1.663-06	1.038-01	5.034-09	2.324-03
-5.8	1.542-23	1.841-09	4.368-14	2.472-10	3.884-01	1.056-06	1.029-01	3.181-09	2.312-03
-5.6	9.022-23	4.443-09	1.066-13	5.958-10	3.863-01	6.728-07	1.016-01	2.012-09	2.294-03
-5.4	5.083-22	1.051-08	2.564-13	1.407-09	3.831-01	4.305-07	9.959-02	1.273-09	2.269-03
-5.2	2.719-21	2.421-08	6.046-13	3.228-09	3.783-01	2.771-07	9.680-02	8.064-10	2.234-03
-5.0	1.359-20	5.373-08	1.389-12	7.134-09	3.714-01	1.798-07	9.299-02	5.116-10	2.169-03
-4.8	6.249-20	1.140-07	3.087-12	1.505-08	3.616-01	1.174-07	8.809-02	3.253-10	2.091-03
-4.6	2.615-19	2.297-07	6.613-12	3.013-08	3.486-01	7.743-08	8.210-02	2.074-10	1.992-03
-4.4	9.906-19	4.378-07	1.361-11	5.703-08	3.318-01	5.145-08	7.527-02	1.327-10	1.870-03
-4.2	3.406-18	7.894-07	2.689-11	1.021-07	3.115-01	3.438-08	6.788-02	8.522-11	1.730-03
-4.0	1.071-17	1.350-06	5.111-11	1.734-07	2.879-01	2.306-08	6.029-02	5.492-11	1.574-03
-3.8	3.112-17	2.203-06	9.363-11	2.810-07	2.619-01	1.548-08	5.281-02	3.550-11	1.411-03
-3.6	8.456-17	3.446-06	1.658-10	4.371-07	2.345-01	1.038-08	4.568-02	2.300-11	1.246-03
-3.4	2.172-16	5.198-06	2.844-10	6.562-07	2.068-01	6.941-09	3.906-02	1.491-11	1.085-03
-3.2	5.324-16	7.604-06	4.737-10	9.559-07	1.797-01	4.624-09	3.307-02	9.676-12	9.378-04
-3.0	1.256-15	1.084-05	7.675-10	1.359-06	1.542-01	3.066-09	2.774-02	6.275-12	7.928-04
-2.8	2.872-15	1.511-05	1.212-09	1.888-06	1.307-01	2.024-09	2.309-02	4.066-12	6.669-04
-2.6	6.401-15	2.068-05	1.866-09	2.579-06	1.097-01	1.331-09	1.908-02	2.633-12	5.560-04
-2.4	1.397-14	2.790-05	2.809-09	3.473-06	9.126-02	8.717-10	1.567-02	1.703-12	4.601-04
-2.2	3.000-14	3.716-05	4.138-09	4.620-06	7.535-02	5.691-10	1.281-02	1.101-12	3.783-04
-2.0	6.355-14	4.900-05	5.975-09	6.089-06	6.132-02	3.707-10	1.043-02	7.112-13	3.094-04
-1.8	1.332-13	6.409-05	8.470-09	7.962-06	5.045-02	2.410-10	8.460-03	4.596-13	2.520-04
-1.6	2.767-13	8.326-05	1.181-08	1.035-05	4.100-02	1.565-10	6.845-03	2.972-13	2.045-04
-1.4	5.712-13	1.076-04	1.623-08	1.339-05	3.319-02	1.016-10	5.529-03	1.924-13	1.657-04
-1.2	1.173-12	1.383-04	2.202-08	1.726-05	2.679-02	6.590-11	4.461-03	1.248-13	1.340-04
-1.0	2.400-12	1.771-04	2.955-08	2.219-05	2.157-02	4.277-11	3.598-03	8.116-14	1.083-04
-.8	4.897-12	2.258-04	3.931-08	2.850-05	1.731-02	2.777-11	2.903-03	5.298-14	8.762-05
-.6	9.976-12	2.867-04	5.190-08	3.659-05	1.385-02	1.804-11	2.346-03	3.475-14	7.099-05
-.4	2.032-11	3.620-04	6.812-08	4.701-05	1.103-02	1.171-11	1.900-03	2.293-14	5.770-05
-.2	4.140-11	4.539-04	8.895-08	6.033-05	8.746-03	7.595-12	1.544-03	1.525-14	4.710-05
.0	8.449-11	5.659-04	1.155-07	7.819-05	6.881-03	4.912-12	1.260-03	1.023-14	3.867-05
.2	1.729-10	6.923-04	1.490-07	1.015-04	5.362-03	3.161-12	1.034-03	6.927-15	3.197-05
.4	3.555-10	8.312-04	1.903-07	1.326-04	4.127-03	2.020-12	8.512-04	4.734-15	2.662-05
.6	7.340-10	9.948-04	2.390-07	1.745-04	3.132-03	1.280-12	7.030-04	3.263-15	2.231-05
.8	1.524-09	1.160-03	2.933-07	2.317-04	2.341-03	8.041-13	5.816-04	2.268-15	1.882-05
1.0	3.196-09	1.327-03	3.491-07	3.105-04	1.725-03	5.034-13	4.815-04	1.593-15	1.598-05
1.2	6.703-09	1.497-03	4.018-07	4.199-04	1.259-03	3.172-13	3.995-04	1.140-15	1.370-05
1.4	1.422-08	1.675-03	4.481-07	5.738-04	9.163-04	2.048-13	3.336-04	8.428-16	1.192-05
1.6	3.058-08	1.892-03	4.902-07	7.945-04	6.731-04	1.396-13	2.830-04	6.608-16	1.066-05
1.8	6.739-08	2.164-03	5.385-07	1.124-03	5.080-04	1.051-13	2.475-04	5.740-16	9.973-06
2.0	1.561-07	2.623-03	6.183-07	1.658-03	4.055-04	9.525-14	2.291-04	5.987-16	1.008-05
2.2	4.030-07	3.558-03	7.975-07	2.682-03	3.625-04	1.253-13	2.370-04	9.017-16	1.170-05

T= 113CC

LOG E	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.992-06	8.273-05	2.017-07	4.549-C6	5.692-C4	2.520-04	4.132-06	1.393-08	2.991-06
-6.8	1.258-06	8.283-05	1.276-07	3.637-C6	9.CC8-04	3.976-04	4.539-06	2.208-08	3.847-06
-6.6	7.949-07	8.293-05	8.077-08	2.853-C6	1.424-03	6.293-04	1.034-05	3.497-08	4.897-06
-6.4	5.024-07	8.304-05	5.118-08	2.098-C6	2.249-03	9.933-04	1.632-05	5.535-08	5.461-06
-6.2	3.178-07	8.318-05	3.249-08	1.482-C6	3.549-03	1.567-03	2.571-05	8.752-08	6.090-06
-6.0	2.012-07	8.339-05	2.049-08	1.017-C6	5.571-C3	2.447-03	4.036-05	1.382-07	6.578-06
-5.8	1.276-07	8.369-05	1.323-08	6.838-C7	8.715-03	3.808-03	6.303-05	2.177-07	6.945-06
-5.6	8.107-08	8.414-05	8.524-09	4.554-C7	1.354-C2	5.872-03	9.768-05	3.419-07	7.226-06
-5.4	5.158-08	8.481-05	5.544-09	3.030-C7	2.083-C2	8.931-03	1.497-04	5.346-07	7.456-06
-5.2	3.308-08	8.578-05	3.655-09	2.030-C7	3.158-02	1.333-02	2.258-04	8.303-07	7.671-06
-5.0	2.129-08	8.713-05	2.452-09	1.379-C7	4.700-C2	1.941-02	3.335-04	1.278-06	7.879-06
-4.8	1.378-08	8.870-05	1.679-09	9.552-C8	6.827-C2	2.743-02	4.798-04	1.846-06	8.163-06
-4.6	8.980-09	9.110-05	1.177-09	6.777-C8	9.635-C2	3.744-02	6.690-04	2.919-06	8.479-06
-4.4	5.885-09	9.344-05	8.444-10	4.930-C8	1.317-01	4.926-02	9.018-04	4.338-06	8.855-06
-4.2	3.875-09	9.633-05	6.188-10	3.674-C8	1.739-01	6.253-02	1.176-03	6.237-06	9.288-06
-4.0	2.559-09	9.891-05	4.608-10	2.737-C8	2.221-01	7.672-02	1.476-03	8.846-06	9.768-06
-3.8	1.693-09	1.011-04	3.475-10	2.167-C8	2.745-01	9.129-02	1.797-03	1.223-05	1.020-05
-3.6	1.119-09	1.024-04	2.637-10	1.702-C8	3.291-01	1.057-01	2.125-03	1.666-05	1.091-05
-3.4	7.392-10	1.027-04	2.005-10	1.349-C8	3.838-01	1.196-01	2.447-03	2.210-05	1.133-05
-3.2	4.870-10	1.017-04	1.521-10	1.076-C8	4.369-01	1.326-01	2.755-03	2.865-05	1.184-05
-3.0	3.200-10	9.916-05	1.147-10	8.611-C9	4.867-01	1.445-01	3.041-03	3.629-05	1.231-05
-2.8	2.096-10	9.520-05	8.574-11	6.909-C9	5.323-01	1.551-01	3.299-03	4.494-05	1.273-05
-2.6	1.369-10	8.988-05	6.342-11	5.567-C9	5.730-01	1.644-01	3.528-03	5.442-05	1.311-05
-2.4	8.918-11	8.344-05	4.636-11	4.455-C9	6.086-01	1.724-01	3.728-03	6.451-05	1.345-05
-2.2	5.799-11	7.618-05	3.347-11	3.577-C9	6.391-01	1.793-01	3.899-03	7.491-05	1.373-05
-2.0	3.765-11	6.842-05	2.387-11	2.871-C9	6.649-01	1.850-01	4.044-03	8.533-05	1.398-05
-1.8	2.443-11	6.053-05	1.682-11	2.303-C9	6.864-01	1.899-01	4.165-03	9.547-05	1.419-05
-1.6	1.585-11	5.279-05	1.172-11	1.848-C9	7.039-01	1.939-01	4.267-03	1.051-04	1.436-05
-1.4	1.029-11	4.546-05	8.091-12	1.482-C9	7.178-01	1.972-01	4.353-03	1.140-04	1.451-05
-1.2	6.689-12	3.872-05	5.540-12	1.190-C9	7.284-01	2.001-01	4.427-03	1.220-04	1.465-05
-1.0	4.361-12	3.267-05	3.769-12	9.562-10	7.359-01	2.025-01	4.491-03	1.292-04	1.477-05
-.8	2.853-12	2.735-05	2.552-12	7.697-10	7.400-01	2.047-01	4.552-03	1.355-04	1.490-05
-.6	1.877-12	2.276-05	1.724-12	6.211-10	7.403-01	2.069-01	4.612-03	1.410-04	1.504-05
-.4	1.243-12	1.884-05	1.163-12	5.030-10	7.363-01	2.091-01	4.678-03	1.458-04	1.521-05
-.2	8.304-13	1.555-05	7.854-13	4.094-10	7.269-01	2.117-01	4.757-03	1.496-04	1.543-05
.0	5.606-13	1.278-05	5.307-13	3.352-10	7.108-01	2.148-01	4.855-03	1.530-04	1.572-05
.2	3.879-13	1.046-05	3.586-13	2.763-10	6.870-01	2.184-01	4.978-03	1.557-04	1.609-05
.4	2.648-13	8.489-06	2.416-13	2.292-10	6.548-01	2.227-01	5.132-03	1.580-04	1.657-05
.6	1.854-13	6.799-06	1.618-13	1.912-10	6.143-01	2.273-01	5.319-03	1.593-04	1.715-05
.8	1.316-13	5.335-06	1.066-13	1.602-10	5.665-01	2.320-01	5.535-03	1.593-04	1.784-05
1.0	9.507-14	4.074-06	6.913-14	1.347-10	5.133-01	2.360-01	5.776-03	1.599-04	1.860-05
1.2	7.051-14	3.015-06	4.418-14	1.138-10	4.569-01	2.388-01	6.036-03	1.701-04	1.941-05
1.4	5.662-14	2.167-06	2.818-14	9.683-11	3.996-01	2.394-01	6.307-03	1.985-04	2.030-05
1.6	4.550-14	1.528-06	1.844-14	8.359-11	3.433-01	2.372-01	6.585-03	8.911-05	2.118-05
1.8	4.276-14	1.079-06	1.300-14	7.402-11	2.897-01	2.315-01	6.864-03	6.984-05	2.208-05
2.0	4.948-14	7.896-07	1.082-14	6.861-11	2.395-01	2.216-01	7.145-03	5.242-05	2.298-05
2.2	8.562-14	6.392-07	1.294-14	6.960-11	1.934-01	2.066-01	7.425-03	3.780-05	2.389-05

T= 113CC

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.996-01	3.97829+C0	4.45748+01	4.85531+01	1.27421+02	-4.78337+00	3.97872+00
-6.8	4.994-01	3.97623+00	4.45431+01	4.85194+01	1.23558+02	-4.58366+00	3.97678+00
-6.6	4.990-01	3.97306+C0	4.44961+01	4.84672+01	1.23679+02	-4.38394+00	3.97375+00
-6.4	4.984-01	3.96814+C0	4.44178+01	4.83856+01	1.21774+02	-4.18448+00	3.96901+00
-6.2	4.974-01	3.96051+C0	4.42989+01	4.82594+01	1.19829+02	-3.98532+00	3.96160+00
-6.0	4.960-01	3.94874+C0	4.41147+01	4.80635+01	1.17823+02	-3.78661+00	3.95009+00
-5.8	4.937-01	3.93075+C0	4.38321+01	4.77629+01	1.15726+02	-3.58859+00	3.93243+00
-5.6	4.902-01	3.90365+C0	4.34053+01	4.73085+01	1.13495+02	-3.39180+00	3.90572+00
-5.4	4.850-01	3.86376+C0	4.27754+01	4.66391+01	1.11076+02	-3.19606+00	3.86629+00
-5.2	4.774-01	3.80689+C0	4.18753+01	4.56822+01	1.08409+02	-3.00250+00	3.80993+00
-5.0	4.666-01	3.72917+C0	4.05632+01	4.43723+01	1.05441+02	-2.81146+00	3.73276+00
-4.8	4.519-01	3.62840+C0	3.90430+01	4.26714+01	1.02146+02	-2.62335+00	3.63253+00
-4.6	4.328-01	3.50533+C0	3.70859+01	4.05912+01	9.85452+01	-2.43834+00	3.50995+00
-4.4	4.091-01	3.36420+00	3.48389+01	3.82031+01	9.47159+01	-2.25619+00	3.36926+00
-4.2	3.812-01	3.21202+C0	3.24128+01	3.56269+01	9.07754+01	-2.07629+00	3.21736+00
-4.0	3.499-01	3.05886+C0	2.99367+01	3.29936+01	8.68557+01	-1.89779+00	3.06233+00
-3.8	3.162-01	2.90617+C0	2.75295+01	3.04357+01	8.30757+01	-1.71975+00	2.91165+00
-3.6	2.815-01	2.76566+00	2.52826+01	2.80483+01	7.95234+01	-1.54127+00	2.77104+00
-3.4	2.470-01	2.63889+C0	2.32536+01	2.58925+01	7.625C6+01	-1.36165+00	2.64408+00
-3.2	2.138-01	2.52751+C0	2.14694+01	2.39969+01	7.32775+01	-1.18038+00	2.53244+00
-3.0	1.828-01	2.43167+00	1.99330+01	2.23647+01	7.05599+01	-9.97160-01	2.43630+00
-2.8	1.546-01	2.35055+00	1.86317+01	2.09823+01	6.81980+01	-8.11900-01	2.35486+00
-2.6	1.295-01	2.28275+C0	1.75436+01	1.98263+01	6.60436+01	-6.24610-01	2.28673+00
-2.4	1.075-01	2.22684+C0	1.66426+01	1.88692+01	6.41047+01	-4.35420-01	2.23028+00
-2.2	8.867-02	2.18049+00	1.59019+01	1.80824+01	6.23496+01	-2.44510-01	2.18381+00
-2.0	7.270-02	2.14268+C0	1.52956+01	1.74383+01	6.07482+01	-5.21100-02	2.14559+00
-1.8	5.932-02	2.11168+C0	1.48000+01	1.69117+01	5.92732+01	1.41560-01	2.11440+00
-1.6	4.823-02	2.08610+C0	1.43936+01	1.64797+01	5.79005+01	3.36270-01	2.08853+00
-1.4	3.910-02	2.06663+C0	1.40570+01	1.61216+01	5.66082+01	5.31770-01	2.06678+00
-1.2	3.164-02	2.04601+C0	1.37719+01	1.58179+01	5.53768+01	7.27840-01	2.04788+00
-1.0	2.558-02	2.02895+C0	1.35208+01	1.55498+01	5.41874+01	9.24200-01	2.03053+00
-.8	2.067-02	2.01204+00	1.32855+01	1.52975+01	5.30216+01	1.12057+00	2.01328+00
-.6	1.673-02	1.99364+C0	1.30460+01	1.50396+01	5.18597+01	1.31658+00	1.99447+00
-.4	1.356-02	1.97188+C0	1.27804+01	1.47522+01	5.06808+01	1.51181+00	1.97217+00
-.2	1.103-02	1.94470+C0	1.24652+01	1.44099+01	4.94636+01	1.70578+00	1.94425+00
.0	9.021-03	1.91021+00	1.20788+01	1.39890+01	4.81893+01	1.89801+00	1.90871+00
.2	7.428-03	1.86717+00	1.16064+01	1.34736+01	4.68468+01	2.08812+00	1.86615+00
.4	6.171-03	1.81965+C0	1.10463+01	1.28622C+01	4.54384+01	2.27556+00	1.81040+00
.6	5.181-03	1.75729+C0	1.04127+01	1.21700+01	4.39819+01	2.46178+00	1.74876+00
.8	4.400-03	1.69516+C0	9.73283+00	1.14280+01	4.25070+01	2.64614+00	1.68140+00
1.0	3.783-03	1.63313+00	9.03975+00	1.06729+01	4.10677+01	2.82995+00	1.61258+00
1.2	3.293-03	1.57524+C0	8.36434+00	9.93957+00	3.96337+01	3.01428+00	1.54397+00
1.4	2.902-03	1.52544+C0	7.73005+00	9.25549+00	3.82859+01	3.20033+00	1.47809+00
1.6	2.592-03	1.48778+C0	7.15130+00	8.63508+00	3.70139+01	3.38947+00	1.41619+00
1.8	2.359-03	1.46694+C0	6.63455+00	8.10149+00	3.58175+01	3.58334+00	1.35868+00
2.0	2.221-03	1.46914+C0	6.18092+00	7.65006+00	3.46684+01	3.78399+00	1.30543+00
2.2	2.259-03	1.50300+C0	5.79013+00	7.29313+00	3.36152+01	3.99389+00	1.25598+00

T= 1140C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.423-15	1.677-17	4.183-16	1.094-19	2.231-33	1.459-30	2.660-30	2.592-12	5.408-14
-6.8	1.756-14	6.491-17	1.660-15	4.349-19	2.222-32	1.444-29	2.644-29	6.497-12	1.356-13
-6.6	6.956-14	2.568-16	6.570-15	1.725-18	2.206-31	1.432-28	2.624-28	1.627-11	3.396-13
-6.4	2.749-13	1.012-15	2.594-14	6.822-18	2.180-30	1.412-27	2.591-27	4.066-11	8.443-13
-6.2	1.082-12	3.970-15	1.019-13	2.688-17	2.140-29	1.382-26	2.541-26	1.013-10	2.097-12
-6.0	4.233-12	1.544-14	3.975-13	1.053-16	2.079-28	1.336-25	2.465-25	2.515-10	5.174-12
-5.8	1.640-11	5.930-14	1.533-12	4.087-16	1.986-27	1.269-24	2.352-24	6.202-10	1.266-11
-5.6	6.267-11	2.235-13	5.818-12	1.566-15	1.854-26	1.174-23	2.189-23	1.514-09	3.046-11
-5.4	2.365-10	8.196-13	2.155-11	5.883-15	1.672-25	1.043-22	1.966-22	3.644-09	7.183-11
-5.2	8.516-10	2.892-12	7.715-11	2.151-14	1.436-24	8.775-22	1.677-21	8.591-09	1.645-10
-5.0	2.971-09	9.694-12	2.638-10	7.585-14	1.157-23	6.853-21	1.336-20	1.969-08	3.622-10
-4.8	9.843-09	3.048-11	8.516-10	2.554-13	8.594-23	4.877-20	9.760-20	4.350-08	7.597-10
-4.6	3.065-08	8.902-11	2.568-09	8.149-13	5.739-22	3.113-19	6.433-19	9.197-08	1.506-09
-4.4	8.901-08	2.402-10	7.188-09	2.490-12	3.536-21	1.767-18	3.789-18	1.850-07	2.814-09
-4.2	2.404-07	5.989-10	1.665-08	6.935-12	1.966-20	8.915-18	1.989-17	3.528-07	4.957-09
-4.0	6.039-07	1.386-09	4.501-08	1.851-11	9.711-20	4.024-17	9.348-17	6.382-07	8.271-09
-3.8	1.417-06	3.016-09	1.016-07	4.676-11	4.438-19	1.643-16	3.969-16	1.047-06	1.316-08
-3.6	3.128-06	6.190-09	2.163-07	1.123-10	1.676-18	6.156-16	1.541-15	1.801-06	2.012-08
-3.4	6.535-06	1.213-08	4.377-07	2.578-10	7.411-18	2.143-15	5.541-15	2.935-06	2.967-08
-3.2	1.302-05	2.268-08	8.482-07	5.682-10	2.761-17	7.020-15	1.866-14	4.302-06	4.258-08
-3.0	2.492-05	4.171-08	1.585-06	1.207-09	9.773-17	2.187-14	5.953-14	6.325-06	5.970-08
-2.8	4.609-05	7.414-08	2.814-06	2.477-09	3.308-16	6.537-14	1.815-13	9.053-06	8.211-08
-2.6	8.283-05	1.289-07	5.061-06	4.930-09	1.076-15	1.890-13	5.324-13	1.267-05	1.112-07
-2.4	1.454-04	2.203-07	8.798-06	9.537-09	3.382-15	5.314-13	1.520-12	1.737-05	1.486-07
-2.2	2.501-04	3.710-07	1.498-05	1.797-08	1.030-14	1.462-12	4.227-12	2.350-05	1.965-07
-2.0	4.235-04	6.174-07	2.514-05	3.309-08	3.049-14	3.947-12	1.151-11	3.135-05	2.577-07
-1.8	7.074-04	1.018-06	4.171-05	5.959-08	8.809-14	1.051-11	3.089-11	4.138-05	3.357-07
-1.6	1.168-03	1.665-06	6.856-05	1.053-07	2.490-13	2.762-11	8.149-11	5.413-05	4.350-07
-1.4	1.910-03	2.707-06	1.118-04	1.828-07	6.962-13	7.191-11	2.127-10	7.027-05	5.613-07
-1.2	3.097-03	4.379-06	1.810-04	3.128-07	1.882-12	1.856-10	5.496-10	9.059-05	7.222-07
-1.0	4.978-03	7.057-06	2.910-04	5.282-07	5.057-12	4.755-10	1.406-09	1.160-04	9.274-07
-.8	7.930-03	1.134-05	4.662-04	8.821-07	1.342-11	1.209-09	3.558-09	1.475-04	1.190-06
-.6	1.250-02	1.820-05	7.414-04	1.459-06	3.524-11	3.054-09	8.902-09	1.859-04	1.526-06
-.4	1.945-02	2.916-05	1.171-03	2.394-06	9.165-11	7.648-09	2.195-08	2.317-04	1.960-06
-.2	2.975-02	4.670-05	1.832-03	3.898-06	2.362-10	1.897-08	5.312-08	2.846-04	2.521-06
.0	4.452-02	7.480-05	2.837-03	6.301-06	6.033-10	4.647-08	1.255-07	3.428-04	3.250-06
.2	6.484-02	1.198-04	4.333-03	1.010-05	1.524-09	1.122-07	2.886-07	4.028-04	4.203-06
.4	9.146-02	1.920-04	6.512-03	1.599-05	3.796-09	2.661-07	6.379-07	4.594-04	5.446-06
.6	1.245-01	3.070-04	9.605-03	2.491-05	9.268-09	6.191-07	1.356-06	5.086-04	7.062-06
.8	1.632-01	4.891-04	1.388-02	3.786-05	2.201-08	1.410-06	2.774-06	5.398-04	9.149-06
1.0	2.064-01	7.742-04	1.963-02	5.569-05	5.038-08	3.147-06	5.433-06	5.572-04	1.183-05
1.2	2.521-01	1.214-03	2.715-02	7.856-05	1.102-07	6.495-06	1.022-05	5.607-04	1.530-05
1.4	2.987-01	1.879-03	3.673-02	1.056-04	2.269-07	1.490-05	1.850-05	5.564-04	1.986-05
1.6	3.443-01	2.866-03	4.863-02	1.351-04	4.509-07	3.197-05	3.230-05	5.534-04	2.615-05
1.8	3.878-01	4.296-03	6.305-02	1.646-04	8.455-07	6.899-05	5.456-05	5.651-04	3.556-05
2.0	4.283-01	6.314-03	8.006-02	1.922-04	1.522-06	1.525-04	8.927-05	6.150-04	5.145-05
2.2	4.654-01	9.066-03	9.949-02	2.165-04	2.659-06	3.543-04	1.415-04	7.643-04	8.418-05

T= 11400

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.111-28	6.168-12	1.478-16	9.069-13	3.919-01	2.170-05	1.052-01	6.966-08	2.341-03
-6.8	1.326-27	1.545-11	3.711-16	2.272-12	3.918-01	1.371-05	1.051-01	4.397-08	2.341-03
-6.6	8.300-27	3.867-11	9.301-16	5.683-12	3.916-01	8.660-06	1.050-01	2.776-08	2.340-03
-6.4	5.176-26	9.657-11	2.327-15	1.418-11	3.913-01	5.474-06	1.048-01	1.753-08	2.338-03
-6.2	3.206-25	2.402-10	5.805-15	3.527-11	3.909-01	3.463-06	1.045-01	1.107-08	2.334-03
-6.0	1.966-24	5.943-10	1.442-14	8.724-11	3.901-01	2.194-06	1.040-01	6.990-09	2.327-03
-5.8	1.187-23	1.459-09	3.563-14	2.140-10	3.889-01	1.392-06	1.032-01	4.417-09	2.317-03
-5.6	7.007-23	3.538-09	8.724-14	5.181-10	3.871-01	8.863-07	1.020-01	2.792-09	2.301-03
-5.4	3.998-22	8.429-09	2.108-13	1.232-09	3.842-01	5.664-07	1.002-01	1.767-09	2.277-03
-5.2	2.175-21	1.958-08	5.004-13	2.853-09	3.800-01	3.639-07	9.772-02	1.119-09	2.242-03
-5.0	1.112-20	4.399-08	1.159-12	6.384-09	3.738-01	2.354-07	9.423-02	7.094-10	2.192-03
-4.8	5.248-20	9.471-08	2.603-12	1.367-08	3.650-01	1.535-07	8.964-02	4.507-10	2.122-03
-4.6	2.261-19	1.939-07	5.639-12	2.782-08	3.530-01	1.010-07	8.396-02	2.871-10	2.031-03
-4.4	8.824-19	3.759-07	1.174-11	5.355-08	3.374-01	6.696-08	7.735-02	1.835-10	1.918-03
-4.2	3.122-18	6.892-07	2.347-11	9.744-08	3.181-01	4.469-08	7.008-02	1.177-10	1.784-03
-4.0	1.007-17	1.197-06	4.510-11	1.681-07	2.959-01	2.996-08	6.252-02	7.577-11	1.634-03
-3.8	2.993-17	1.980-06	8.345-11	2.761-07	2.702-01	2.012-08	5.497-02	4.894-11	1.473-03
-3.6	8.289-17	3.134-06	1.491-10	4.346-07	2.431-01	1.350-08	4.772-02	3.168-11	1.308-03
-3.4	2.163-16	4.778-06	2.579-10	6.590-07	2.154-01	9.040-09	4.094-02	2.055-11	1.145-03
-3.2	5.372-16	7.051-06	4.328-10	9.683-07	1.880-01	6.032-09	3.476-02	1.333-11	9.897-04
-3.0	1.261-15	1.012-05	7.062-10	1.385-06	1.619-01	4.007-09	2.924-02	8.650-12	8.438-04
-2.8	2.955-15	1.420-05	1.122-09	1.938-06	1.378-01	2.651-09	2.439-02	5.609-12	7.124-04
-2.6	6.635-15	1.955-05	1.738-09	2.661-06	1.160-01	1.746-09	2.020-02	3.634-12	5.959-04
-2.4	1.457-14	2.648-05	2.631-09	3.599-06	9.676-02	1.145-09	1.662-02	2.352-12	4.944-04
-2.2	3.143-14	3.541-05	3.894-09	4.809-06	8.007-02	7.490-10	1.361-02	1.522-12	4.074-04
-2.0	6.644-14	4.683-05	5.667-09	6.351-06	6.542-02	4.886-10	1.109-02	9.842-13	3.339-04
-1.8	1.405-13	6.141-05	8.038-09	8.324-06	5.381-02	3.181-10	9.008-03	6.365-13	2.724-04
-1.6	2.928-13	7.994-05	1.125-08	1.084-05	4.379-02	2.068-10	7.296-03	4.119-13	2.214-04
-1.4	6.055-13	1.035-04	1.551-08	1.405-05	3.551-02	1.344-10	5.897-03	2.668-13	1.795-04
-1.2	1.24 -12	1.333-04	2.110-08	1.813-05	2.869-02	8.730-11	4.761-03	1.732-13	1.453-04
-1.0	2.552-12	1.709-04	2.839-08	2.334-05	2.312-02	5.674-11	3.842-03	1.127-13	1.176-04
-.8	5.213-12	2.192-04	3.784-08	3.000-05	1.858-02	3.689-11	3.101-03	7.361-14	9.513-05
-.6	1.063-11	2.774-04	5.005-08	3.853-05	1.488-02	2.400-11	2.506-03	4.831-14	7.710-05
-.4	2.166-11	3.509-04	6.580-08	4.952-05	1.188-02	1.561-11	2.030-03	3.190-14	6.265-05
-.2	4.414-11	4.410-04	8.606-08	6.375-05	9.432-03	1.015-11	1.649-03	2.122-14	5.113-05
.0	9.009-11	5.495-04	1.120-07	8.232-05	7.439-03	6.587-12	1.346-03	1.424-14	4.197-05
.2	1.844-10	6.769-04	1.449-07	1.068-04	5.815-03	4.258-12	1.104-03	9.656-15	3.469-05
.4	.786-10	8.222-04	1.857-07	1.374-04	4.494-03	2.736-12	9.091-04	6.611-15	2.888-05
.6	7.812-10	9.819-04	2.347-07	1.832-04	3.426-03	1.74 -12	7.516-04	4.571-15	2.422-05
.8	1.621-09	1.151-03	2.903-07	2.429-04	2.575-03	1.105-12	6.228-04	3.191-15	2.046-05
1.0	3.384-09	1.326-03	3.494-07	3.250-04	1.909-03	6.982-13	5.169-04	2.254-15	1.741-05
1.2	7.116-09	1.509-03	4.072-07	4.390-04	1.401-03	4.441-13	4.302-04	1.623-15	1.496-05
1.4	1.510-08	1.694-03	4.606-07	5.995-04	1.025-03	2.895-13	3.605-04	1.209-15	1.306-05
1.6	3.248-08	1.915-03	5.109-07	8.299-04	7.572-04	1.992-13	3.069-04	9.554-16	1.171-05
1.8	7.170-08	2.215-03	5.687-07	1.175-03	5.744-04	1.516-13	2.694-04	8.373-16	1.100-05
2.0	1.666-07	2.701-03	6.610-07	1.737-03	4.608-04	1.391-13	2.504-04	8.836-16	1.115-05
2.	4.324-07	3.689-03	8.631-07	2.823-03	4.145-04	1.867-13	2.606-04	1.358-15	1.301-05

T= 1140C

LOG C	A+	C+	C++	NE+	N	O	A	C	NE
-7.0	2.592-06	8.267-05	2.546-07	4.914-C6	4.946-04	2.198-04	3.541-06	1.243-08	2.62?-06
-6.8	1.637-06	8.279-05	1.610-07	4.086-C6	7.828-0+	3.478-04	5.606-06	1.971-08	3.456-06
-6.6	1.034-06	8.289-05	1.019-07	3.227-C6	1.238-03	5.496-04	8.864-06	3.125-08	4.320-06
-6.4	6.539-07	8.300-05	6.452-08	2.424-C6	1.956-03	8.674-04	1.401-05	4.945-08	5.131-06
-6.2	4.134-07	8.313-05	4.096-08	1.743-C6	3.085-03	1.365-03	2.209-05	7.822-08	5.825-06
-6.0	2.616-07	8.331-05	2.604-08	1.210-C6	4.853-03	2.142-03	3.471-05	1.236-07	6.377-06
-5.8	1.658-07	8.357-05	1.663-08	8.209-C7	7.604-03	3.341-03	5.431-05	1.948-07	6.796-06
-5.6	1.053-07	8.397-05	1.069-08	5.491-C7	1.184-C2	5.167-03	8.440-05	3.067-07	7.114-06
-5.4	6.711-08	8.457-05	6.928-09	3.658-C7	1.828-02	7.895-03	1.299-04	4.745-07	7.366-06
-5.2	4.292-08	8.543-05	4.547-09	2.446-C7	2.785-C2	1.186-02	1.970-04	7.463-07	7.590-06
-5.0	2.759-08	8.664-05	3.033-09	1.655-C7	4.170-C2	1.741-02	2.931-04	1.152-06	7.814-06
-4.8	1.765-08	8.827-05	2.063-09	1.139-C7	6.106-C2	2.483-02	4.256-04	1.760-06	8.070-06
-4.6	1.162-08	9.032-05	1.436-09	8.025-C8	8.696-C2	3.425-02	5.999-04	2.652-06	8.372-06
-4.4	7.809-09	9.273-05	1.023-09	5.795-C8	1.200-01	4.556-02	8.180-04	3.933-06	8.730-06
-4.2	5.010-09	9.536-05	7.445-10	4.289-C8	1.602-01	5.844-02	1.077-03	5.725-06	9.147-06
-4.0	3.311-09	9.795-05	5.519-10	3.246-C8	2.067-01	7.241-02	1.370-03	8.168-06	9.615-06
-3.8	2.192-09	1.002-04	4.146-10	2.503-C8	2.580-01	8.692-02	1.686-03	1.140-05	1.012-05
-3.6	1.452-09	1.017-04	3.161-10	1.959-C8	3.121-01	1.014-01	2.013-03	1.557-05	1.065-05
-3.4	9.606-10	1.023-04	2.386-10	1.548-C8	3.670-01	1.155-01	2.338-03	2.078-05	1.117-05
-3.2	6.341-10	1.016-04	1.811-10	1.233-C8	4.208-01	1.284-01	2.652-03	2.709-05	1.168-05
-3.0	4.174-10	9.940-05	1.367-10	9.862-C9	4.717-01	1.410-01	2.944-03	3.451-05	1.216-05
-2.8	2.740-10	9.577-05	1.024-10	7.909-C9	5.186-01	1.520-01	3.214-03	4.297-05	1.260-05
-2.6	1.793-10	9.076-05	7.592-11	6.350-C9	5.609-01	1.617-01	3.454-03	5.231-05	1.300-05
-2.4	1.170-10	8.457-05	5.564-11	5.101-C9	5.980-01	1.701-01	3.663-03	6.230-05	1.335-05
-2.2	7.620-11	7.748-05	4.029-11	4.097-C9	6.301-01	1.773-01	3.843-03	7.268-05	1.365-05
-2.0	4.954-11	6.984-05	2.891-11	3.289-C9	6.573-01	1.834-01	3.997-03	8.313-05	1.391-05
-1.8	3.218-11	6.198-05	2.036-11	2.640-C9	6.800-01	1.885-01	4.126-03	9.336-05	1.413-05
-1.6	2.090-11	5.422-05	1.423-11	2.118-C9	6.987-01	1.927-01	4.235-03	1.031-04	1.431-05
-1.4	1.358-11	4.682-05	9.848-12	1.700-C9	7.136-01	1.963-01	4.326-03	1.122-04	1.447-05
-1.2	8.841-12	3.997-05	6.759-12	1.365-C9	7.252-01	1.992-01	4.404-03	1.206-04	1.461-05
-1.0	5.768-12	3.379-05	4.609-12	1.097-C9	7.335-01	2.018-01	4.471-03	1.278-04	1.474-05
-.8	3.777-12	2.834-05	3.128-12	8.829-10	7.395-01	2.041-01	4.533-03	1.343-04	1.487-05
-.6	2.486-12	2.362-05	2.117-12	7.124-10	7.398-01	2.061-01	4.594-03	1.399-04	1.500-05
-.4	1.647-12	1.959-05	1.431-12	5.768-10	7.369-01	2.085-01	4.660-03	1.449-04	1.517-05
-.2	1.101-12	1.618-05	9.680-13	4.692-10	7.287-01	2.110-01	4.736-03	1.492-04	1.538-05
.0	7.434-13	1.333-05	6.558-13	3.840-10	7.142-01	2.139-01	4.831-03	1.524-04	1.565-05
.2	5.082-13	1.093-05	4.447-13	3.163-10	6.921-01	2.174-01	4.949-03	1.549-04	1.601-05
.4	3.520-13	8.904-06	3.012-13	2.624-10	6.616-01	2.215-01	5.099-03	1.561-04	1.647-05
.6	2.472-13	7.170-06	2.029-13	2.191-10	6.227-01	2.260-01	5.279-03	1.550-04	1.703-05
.8	1.762-13	5.671-06	1.353-13	1.838-10	5.762-01	2.306-01	5.490-03	1.509-04	1.770-05
1.0	1.279-13	4.375-06	8.892-14	1.549-10	5.239-01	2.347-01	5.728-03	1.425-04	1.845-05
1.2	9.546-14	3.278-06	5.774-14	1.311-10	4.679-01	2.375-01	5.986-03	1.297-04	1.928- 5
1.4	7.646-14	2.389-06	3.746-14	1.119-10	4.105-01	2.384-01	6.258-03	1.128-04	2.014-05
1.6	6.248-14	1.706-06	2.494-14	9.692-11	3.537-01	2.365-01	6.537-03	9.362-05	2.103-05
1.8	5.921-14	1.220-06	1.789-14	8.612-11	2.992-01	2.311-01	6.819-03	7.410-05	2.194-05
2.0	6.925-14	9.029-07	1.517-14	8.013-11	2.480-01	2.215-01	7.103-03	5.608-05	2.285-05
2.2	1.222-13	7.396-07	1.860-14	8.176-11	2.007-01	2.068-01	7.386-03	4.070-05	2.377-05

T= 1140C

LOG C	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.997-01	3.97874+C0	4.42520+01	4.82307+C1	1.27490+02	-4.77950+00	3.47918+00
-6.8	4.994-01	3.97693+C0	4.42242+01	4.82011+01	1.25630+02	-4.57969+00	3.97747+00
-6.6	4.991-01	3.97415+C0	4.41815+01	4.81557+C1	1.23757+02	-4.38000+00	3.97493+00
-6.4	4.986-01	3.96983+C0	4.41153+01	4.80851+C1	1.21861+02	-4.18047+00	3.97068+00
-6.2	4.978-01	3.96314+C0	4.40121+01	4.79752+C1	1.19931+02	-3.98120+00	3.96421+00
-6.0	4.965-01	3.95279+C0	4.38520+01	4.78048+01	1.17948+02	-3.78234+00	3.95413+00
-5.8	4.945-01	3.93694+C0	4.36055+01	4.75424+C1	1.15885+02	-3.58403+00	3.93861+00
-5.6	4.915-01	3.91294+C0	4.32312+01	4.71441+C1	1.13703+02	-3.38674+00	3.91500+00
-5.4	4.868-01	3.87736+C0	4.26745+01	4.65518+C1	1.11352+02	-3.19071+00	3.87988+00
-5.2	4.800-01	3.82607+C0	4.18704+01	4.56965+01	1.08773+02	-2.99649+00	3.82912+00
-5.0	4.703-01	3.75502+00	4.07542+01	4.45092+01	1.05910+02	-2.80463+00	3.75864+00
-4.8	4.568-01	3.66134+00	3.92798+01	4.29412+C1	1.02728+02	-2.61560+00	3.66554+00
-4.6	4.391-01	3.54478+00	3.74427+01	4.09874+01	9.92303+01	-2.42965+00	3.54953+00
-4.4	4.168-01	3.40855+00	3.52924+01	3.87009+01	9.54783+01	-2.24667+00	3.41376+00
-4.2	3.901-01	3.25893+00	3.29280+01	3.61869+01	9.15784+01	-2.06617+00	3.26449+00
-4.0	3.597-01	3.10388+00	3.04749+01	3.35788+01	8.76601+01	-1.88734+00	3.10984+00
-3.8	3.267-01	2.95118+00	2.80565+01	3.10077+C1	8.38675+01	-1.70925+00	2.95700+00
-3.6	2.922-01	2.80714+00	2.57727+01	2.85769+01	8.02383+01	-1.53098+00	2.81289+00
-3.4	2.575-01	2.67596+00	2.36909+01	2.63665+C1	7.68547+01	-1.35176+00	2.68153+00
-3.2	2.239-01	2.55984+00	2.18464+01	2.44063+C1	7.38653+01	-1.17103+00	2.56515+00
-3.0	1.921-01	2.45933+00	2.02+86+01	2.27080+C1	7.10025+01	-9.88630-01	2.46436+00
-2.8	1.630-01	2.37385+00	1.88889+01	2.12628+C1	6.86205+01	-8.03790-01	2.37853+00
-2.6	1.369-01	2.30217+00	1.77+78+01	2.00499+C1	6.64032+01	-6.17100-01	2.30649+00
-2.4	1.140-01	2.24266+00	1.68002+01	1.90429+01	6.44096+01	-4.28480-01	2.24663+00
-2.2	9.422-02	2.19364+00	1.60195+01	1.82132+01	6.26079+01	-2.38080-01	2.19727+00
-2.0	7.739-02	2.15344+00	1.53797+01	1.75332+01	6.09674+01	-4.61100-02	2.15673+00
-1.8	6.325-02	2.12048+00	1.48565+01	1.69770+C1	5.94604+01	1.47190-01	2.12346+00
-1.6	5.149-02	2.09331+00	1.44279+01	1.65217+01	5.80617+01	3.41600-01	2.09600+00
-1.4	4.179-02	2.07066+00	1.40738+01	1.61444+01	5.674 3+01	5.36870-01	2.07303+00
-1.2	3.385-02	2.05118+00	1.37759+01	1.58271+C1	5.55021+01	7.32760-01	2.05325+00
-1.0	2.738-02	2.03360+00	1.35163+01	1.55499+C1	5.43020+01	9.29020-01	2.03534+00
-.8	2.214-02	2.01652+00	1.32770+01	1.52935+C1	5.31301+01	1.17536+00	2.01793+00
-.6	1.792-02	1.99836+00	1.30385+01	1.50368+01	5.19670+01	1.32143+00	1.99934+00
-.4	1.452-02	1.97726+00	1.27791+01	1.47564+C1	5.07921+01	1.51682+00	1.97769+00
-.2	1.181-02	1.95120+00	1.24757+01	1.44269+C1	4.95839+01	1.71106+00	1.95088+00
.0	9.654-03	1.[821+00	1.21059+01	1.40241+01	4.83226+01	1.90355+00	1.91682+00
.2	7.941-03	1.[7687+00	1.16530+01	1.35299+C1	4.69958+01	2.09419+00	1.87393+00
.4	6.599-03	1.82695+00	1.11125+01	1.29394+01	4.56021+01	2.28269+00	1.82176+00
.6	5.522-03	1.76981+00	1.04951+01	1.22649+01	4.41562+01	2.46869+00	1.76131+00
.8	4.681-03	1.70832+00	9.82569+00	1.1534C+01	4.26859+01	2.65333+00	1.69693+00
1.0	4.018-03	1.64629+00	9.13663+00	1.07829+01	4.12244+01	2.83726+00	1.62564+00
1.2	3.491-03	1.58785+00	8.45943+00	1.00473+01	3.98027+01	3.02157+00	1.55640+00
1.4	3.073-03	1.53714+00	7.81906+00	9.35619+C0	3.84432+01	3.20747+00	1.48953+00
1.6	2.743-03	1.49835+00	7.23161+00	8.72995+C0	3.71573+01	3.39637+00	1.42634+00
1.8	2.497-03	1.47630+00	6.7C500+00	8.18130+C0	3.59465+01	3.58993+00	1.36751+00
2.0	2.354-03	1.47729+00	6.24149+00	7.71878+C0	3.48039+01	3.79022+00	1.31295+00
2.2	2.404-03	1.50991+00	5.84169+00	7.35160+C0	3.37177+01	3.99971+00	1.26228+00

T= 11500

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.063-15	1.204-17	3.006-16	7.757-20	1.332-33	8.911-31	1.590-30	2.099-12	4.490-14
-6.8	1.216-14	4.776-17	1.193-15	3.085-19	1.327-32	8.845-30	1.583-29	5.260-12	1.125-13
-6.6	4.822-14	1.891-16	4.726-15	1.224-18	1.319-31	8.795-29	1.571-28	1.316-11	2.814-13
-6.4	1.907-13	7.464-16	1.867-14	4.847-18	1.306-30	8.689-28	1.554-27	3.235-11	7.022-13
-6.2	7.518-13	2.932-15	7.349-14	1.912-17	1.285-29	8.525-27	1.527-26	8.221-11	1.746-12
-6.0	2.967-12	1.144-14	2.873-13	7.564-17	1.252-28	8.278-26	1.487-25	2.043-10	4.318-12
-5.8	1.146-11	4.411-14	1.113-12	2.922-16	1.203-27	7.911-25	1.427-24	5.060-10	1.059-11
-5.6	4.396-11	1.673-13	4.245-12	1.124-15	1.132-26	7.382-24	1.339-23	1.237-09	2.563-11
-5.4	1.677-10	6.190-13	1.585-11	4.251-15	1.032-25	6.649-23	1.217-22	2.992-09	6.006-11
-5.2	6.079-10	2.212-12	5.739-11	1.568-14	9.010-25	5.693-22	1.056-21	7.102-09	1.407-10
-5.0	2.149-09	7.536-12	1.992-10	5.594-14	7.407-24	4.554-21	8.603-21	1.643-08	3.133-10
-4.8	7.238-09	2.418-11	6.568-10	1.911-13	5.640-23	3.337-20	6.459-20	3.673-08	6.681-10
-4.6	2.298-08	7.221-11	2.016-09	6.197-13	3.920-22	2.202-19	4.396-19	7.874-08	1.347-09
-4.4	6.819-08	1.994-10	5.772-09	1.895-12	2.463-21	1.295-18	2.679-18	1.609-07	2.552-09
-4.2	1.882-07	5.099-10	1.532-08	5.461-12	1.396-20	6.762-18	1.455-17	3.118-07	4.589-09
-4.0	4.831-07	1.204-09	3.775-08	1.481-11	7.161-20	3.151-17	7.062-17	5.739-07	7.775-09
-3.8	1.157-06	2.662-09	8.685-08	3.799-11	3.353-19	1.324-16	3.087-16	1.000-06	1.253-08
-3.6	2.599-06	5.551-09	1.880-07	9.251-11	1.447-18	5.080-16	1.230-15	1.664-06	1.936-08
-3.4	5.516-06	1.102-08	3.858-07	2.150-10	5.822-18	1.805-15	4.518-15	2.651-06	2.884-08
-3.2	1.114-05	2.099-08	7.568-07	4.788-10	2.202-17	6.012-15	1.550-14	4.066-06	4.171-08
-3.0	2.157-05	3.864-08	1.429-06	1.026-09	7.899-17	1.899-14	5.020-14	6.033-06	5.886-08
-2.8	4.028-05	6.916-08	2.612-06	2.124-09	2.704-16	5.742-14	1.550-13	8.703-06	8.139-08
-2.6	7.298-05	1.210-07	4.651-06	4.260-09	8.884-16	1.675-13	4.602-13	1.226-05	1.107-07
-2.4	1.289-04	2.077-07	8.101-06	8.295-09	2.815-15	4.747-13	1.323-12	1.692-05	1.485-07
-2.2	2.231-04	3.512-07	1.386-05	1.573-08	8.634-15	1.314-12	3.704-12	2.297-05	1.970-07
-2.0	3.795-04	5.864-07	2.335-05	2.910-08	2.573-14	3.565-12	1.015-11	3.077-05	2.589-07
-1.8	6.363-04	9.691-07	3.887-05	5.266-08	7.474-14	9.527-12	2.731-11	4.074-05	3.380-07
-1.6	1.056-03	1.589-06	6.405-05	9.541-08	2.123-13	2.513-11	7.242-11	5.344-05	4.386-07
-1.4	1.729-03	2.597-06	1.047-04	1.628-07	5.909-13	6.561-11	1.897-10	6.954-05	5.668-07
-1.2	2.809-03	4.191-06	1.698-04	2.794-07	1.617-12	1.697-10	4.915-10	8.984-05	7.301-07
-1.0	4.525-03	6.782-06	2.738-04	4.730-07	4.358-12	4.357-10	1.260-09	1.153-04	9.383-07
-.8	7.225-03	1.088-05	4.387-04	7.917-07	1.159-11	1.110-09	3.199-09	1.469-04	1.205-06
-.6	1.142-02	1.745-05	6.987-04	1.312-06	3.051-11	2.809-09	8.025-09	1.857-04	1.546-06
-.4	1.782-02	2.737-05	1.105-03	2.156-06	7.949-11	7.048-09	1.986-08	2.322-04	1.985-06
-.2	2.739-02	4.481-05	1.733-03	3.516-06	2.052-10	1.752-08	4.826-08	2.863-04	2.554-06
.0	4.116-02	7.176-05	2.690-03	5.693-06	5.252-10	4.304-08	1.147-07	3.467-04	3.294-06
.2	6.031-02	1.149-04	4.120-03	9.140-06	1.330-09	1.042-07	2.647-07	4.100-04	4.260-06
.4	8.565-02	1.841-04	6.212-03	1.452-05	3.322-09	2.482-07	5.905-07	4.711-04	5.523-06
.6	1.174-01	2.943-04	9.197-03	2.270-05	8.148-09	5.796-07	1.267-06	5.241-04	7.171-06
.8	1.551-01	4.690-04	1.334-02	3.471-05	1.947-08	1.326-06	2.608-06	5.636-04	9.309-06
1.0	1.976-01	7.428-04	1.894-02	5.145-05	4.494-08	2.973-06	5.148-06	5.873-04	1.207-05
1.2	2.430-01	1.166-03	2.629-02	7.329-05	9.979-08	6.541-06	9.753-06	5.964-04	1.566-05
1.4	2.896-01	1.807-03	3.571-02	9.962-05	2.086-07	1.419-05	1.777-05	5.969-04	2.042-05
1.6	3.357-01	2.761-03	4.744-02	1.288-04	4.158-07	3.059-05	3.121-05	5.984-04	2.701-05
1.8	3.798-01	4.146-03	6.171-02	1.586-04	7.885-07	6.678-05	5.300-05	6.156-04	3.689-05
2.0	4.212-01	6.107-03	7.860-02	1.869-04	1.436-06	1.471-04	8.711-05	6.746-04	5.367-05
2.2	4.592-01	8.785-03	9.794-02	2.121-04	2.525-06	3.428-04	1.384-04	8.455-04	8.846-05

T= 11500

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.602-28	4.864-12	1.202-16	7.800-13	3.920-01	2.854-05	1.052-01	9.620-09	2.341-03
-6.8	1.006-27	1.219-11	3.018-16	1.955-12	3.919-01	1.802-05	1.052-01	6.072-08	2.341-03
-6.6	6.306-27	3.051-11	7.569-16	4.892-12	3.917-01	1.138-05	1.051-01	3.833-08	2.340-03
-6.4	3.938-26	7.623-11	1.895-15	1.222-11	3.914-01	7.195-06	1.049-01	2.420-08	2.338-03
-6.2	2.445-25	1.899-10	4.731-15	3.042-11	3.910-01	4.551-06	1.046-01	1.529-08	2.335-03
-6.0	1.504-24	4.707-10	1.177-14	7.539-11	3.904-01	2.882-06	1.041-01	9.653-09	2.330-03
-5.8	9.132-24	1.159-09	2.914-14	1.854-10	3.893-01	1.828-06	1.035-01	6.099-09	2.321-03
-5.6	5.431-23	2.822-09	7.155-14	4.509-10	3.877-01	1.163-06	1.026-01	3.855-09	2.308-03
-5.4	3.133-22	6.762-09	1.737-13	1.079-09	3.852-01	7.420-07	1.008-01	2.438-09	2.287-03
-5.2	1.732-21	1.584-08	4.146-13	2.520-09	3.815-01	4.759-07	9.854-02	1.544-09	2.256-03
-5.0	9.629-21	3.598-08	9.676-13	5.701-09	3.759-01	3.072-07	9.535-02	9.783-10	2.212-03
-4.8	4.370-20	7.850-08	2.194-12	1.230-08	3.680-01	1.999-07	9.108-02	6.212-10	2.150-03
-4.6	1.936-19	1.692-07	4.804-12	2.559-08	3.570-01	1.312-07	8.571-02	3.954-10	2.067-03
-4.4	7.783-19	3.217-07	1.012-11	5.008-08	3.426-01	8.680-08	7.934-02	2.524-10	1.962-03
-4.2	2.833-18	5.994-07	2.047-11	9.264-08	3.244-01	5.785-08	7.223-02	1.617-10	1.835-03
-4.0	9.384-18	1.058-06	3.975-11	1.623-07	3.027-01	3.875-08	6.471-02	1.040-10	1.690-03
-3.8	2.854-17	1.774-06	7.431-11	2.703-07	2.781-01	2.602-08	5.713-02	6.711-11	1.533-03
-3.6	8.061-17	2.844-06	1.340-10	4.307-07	2.515-01	1.748-08	4.977-02	4.343-11	1.369-03
-3.4	2.138-16	4.382-06	2.339-10	6.600-07	2.238-01	1.172-08	4.284-02	2.815-11	1.204-03
-3.2	5.384-16	6.526-06	3.954-10	9.784-07	1.963-01	7.830-09	3.648-02	1.827-11	1.045-03
-3.0	1.299-15	9.444-06	6.496-10	1.410-06	1.697-01	5.211-09	3.077-02	1.186-11	8.958-04
-2.8	3.023-15	1.334-05	1.039-09	1.986-06	1.450-01	3.453-09	2.573-02	7.695-12	7.592-04
-2.6	6.839-15	1.844-05	1.619-09	2.741-06	1.224-01	2.279-09	2.135-02	4.989-12	6.371-04
-2.4	1.511-14	2.512-05	2.463-09	3.723-06	1.024-01	1.498-09	1.760-02	3.232-12	5.301-04
-2.2	3.277-14	3.371-05	3.664-09	4.989-06	8.495-02	9.809-10	1.444-02	2.093-12	4.380-04
-2.0	6.997-14	4.473-05	5.338-09	6.614-06	6.998-02	6.408-10	1.178-02	1.354-12	3.596-04
-1.8	1.476-13	5.880-05	7.630-09	8.691-06	5.731-02	4.177-10	9.580-03	8.766-13	2.939-04
-1.6	3.083-13	7.672-05	1.072-08	1.134-05	4.671-02	2.720-10	7.767-03	5.677-13	2.392-04
-1.4	6.391-13	9.947-05	1.482-08	1.472-05	3.792-02	1.769-10	6.283-03	3.680-13	1.942-04
-1.2	1.317-12	1.283-04	2.022-08	1.903-05	3.068-02	1.151-10	5.076-03	2.390-13	1.574-04
-1.0	2.702-12	1.648-04	2.727-08	2.452-05	2.475-02	7.489-11	4.098-03	1.557-13	1.274-04
-.8	5.526-12	2.108-04	3.643-08	3.154-05	1.991-02	4.876-11	3.309-03	1.017-13	1.031-04
-.6	1.128-11	2.684-04	4.829-08	4.053-05	1.597-02	3.177-11	2.675-03	6.679-14	8.360-05
-.4	2.299-11	3.401-04	6.359-08	5.211-05	1.276-02	2.071-11	2.166-03	4.412-14	6.796-05
-.2	4.688-11	4.283-04	8.330-08	6.709-05	1.015-02	1.350-11	1.760-03	2.937-14	5.543-05
.0	9.559-11	5.350-04	1.086-07	8.662-05	8.028-03	8.787-12	1.436-03	1.973-14	4.548-05
.2	1.958-10	6.613-04	1.408-07	1.123-04	6.294-03	5.703-12	1.177-03	1.339-14	3.758-05
.4	4.019-10	8.066-04	1.812-07	1.464-04	4.883-03	3.684-12	9.699-04	9.180-15	3.129-05
.6	8.287-10	9.680-04	2.302-07	1.923-04	3.740-03	2.365-12	8.025-04	6.364-15	2.626-05
.8	1.718-09	1.141-03	2.870-07	2.544-04	2.825-03	1.510-12	6.660-04	4.461-15	2.220-05
1.0	3.584-09	1.323-03	3.688-07	3.402-04	2.106-03	9.619-13	5.540-04	3.168-15	1.893-05
1.2	7.531-09	1.510-03	4.115-07	4.590-04	1.556-03	6.175-13	4.624-04	2.296-15	1.630-05
1.4	1.598-08	1.711-03	4.710-07	6.263-04	1.144-03	4.065-13	3.888-04	1.723-15	1.428-05
1.6	3.439-08	1.946-03	5.307-07	8.670-04	8.4 -04	2.823-13	3.322-04	1.372-15	1.284-05
1.8	7.604-08	2.264-03	5.987-07	1.228-03	6.4 -04	2.171-13	2.927-04	1.213-15	1.210-05
2.0	1.772-07	2.777-03	7.045-07	1.820-03	5.223-04	2.018-13	2.733-04	1.296-15	1.231-05
2.2	4.624-07	3.821-03	9.317-07	2.971-03	4.729-04	2.768-13	2.861-04	2.034-15	1.445-05

T= 1150C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	3.357-08	8.259-05	3.196-07	5.251-06	4.307-04	1.921-04	3.042-06	1.112-08	2.287-06
-6.8	2.121-08	8.274-05	2.022-07	4.463-06	6.818-04	3.040-04	4.819-06	1.763-08	3.078-06
-6.6	1.340-08	8.285-05	1.280-07	3.607-06	1.079-03	4.807-04	7.624-06	2.795-08	3.938-06
-6.4	8.468-07	8.295-05	8.105-08	2.770-06	1.705-03	7.589-04	1.205-05	4.425-08	4.783-06
-6.2	5.354-07	8.309-05	5.139-08	2.079-06	2.690-03	1.196-03	1.901-05	7.002-08	5.535-06
-6.0	3.388-07	8.324-05	3.266-08	1.430-06	4.236-03	1.878-03	2.991-05	1.106-07	6.151-06
-5.8	2.147-07	8.348-05	2.083-08	9.763-07	6.666-03	2.934-03	4.687-05	1.746-07	6.627-06
-5.6	1.363-07	8.383-05	1.336-08	6.598-07	1.037-02	4.551-03	7.302-05	2.747-07	6.988-06
-5.4	8.670-08	8.435-05	8.634-09	4.359-07	1.605-02	6.962-03	1.128-04	4.306-07	7.269-06
-5.2	5.545-08	8.517-05	5.644-09	2.880-07	2.457-02	1.054-02	1.719-04	6.715-07	7.506-06
-5.0	3.561-08	8.621-05	3.745-09	1.882-07	3.700-02	1.559-02	2.576-04	1.039-06	7.734-06
-4.8	2.301-08	8.769-05	2.532-09	1.358-07	5.456-02	2.244-02	3.771-04	1.543-06	7.941-06
-4.6	1.498-08	8.960-05	1.750-09	9.469-08	7.846-02	3.127-02	5.370-04	2.210-06	8.269-06
-4.4	9.794-09	9.189-05	1.238-09	6.809-08	1.093-01	4.205-02	7.404-04	3.091-06	8.614 06
-4.2	6.449-09	9.443-05	8.951-10	5.004-08	1.474-01	5.652-02	9.962-04	5.255-06	9.012-06
-4.0	4.262-09	9.701-05	6.600-10	3.764-08	1.92C-01	6.822-02	1.269-03	7.539-06	9.467-06
-3.8	2.825-09	9.932-05	4.939-10	2.886-08	2.42C-01	8.261-02	1.578-03	1.059-05	9.963-06
-3.6	1.874-09	1.010-04	3.732-10	2.250-08	2.955-01	9.718-02	1.903-03	1.454-05	1.048-05
-3.4	1.242-09	1.018-04	2.833-10	1.775-08	3.504-01	1.114-01	2.230-03	1.952-05	1.101-05
-3.2	8.213-10	1.014-04	2.150-10	1.411-08	4.046-01	1.250-01	2.549-03	2.560-05	1.153-05
-3.0	5.417-10	9.955-05	1.624-10	1.127-08	4.565-01	1.375-01	2.850-03	3.280-05	1.202-05
-2.8	3.563-10	9.626-05	1.219-10	9.036-09	5.048-01	1.489-01	3.127-03	4.106-05	1.247-05
-2.6	2.336-10	9.156-05	9.057-11	7.255-09	5.485-01	1.589-01	3.377-03	5.024-05	1.288-05
-2.4	1.527-10	8.563-05	6.655-11	5.828-09	5.871-01	1.677-01	3.596-03	6.014-05	1.325-05
-2.2	9.962-11	7.874-05	4.832-11	4.681-09	6.207-01	1.753-01	3.786-03	7.047-05	1.356-05
-2.0	6.487-11	7.121-05	3.466-11	3.760-09	6.494-01	1.816-01	3.948-03	8.095-05	1.383-05
-1.8	4.220-11	6.340-05	2.456-11	3.019-09	6.734-01	1.870-01	4.085-03	9.125-05	1.406-05
-1.6	2.744-11	5.563-05	1.721-11	2.423-09	6.932-01	1.915-01	4.200-03	1.011-04	1.426-05
-1.4	1.785-11	4.817-05	1.194-11	1.945-09	7.092-01	1.953-01	4.297-03	1.103-04	1.442-05
-1.2	1.163-11	4.122-05	8.218-12	1.562-09	7.218-01	1.984-01	4.379-03	1.188-04	1.457-05
-1.0	7.593-12	3.492-05	5.616-12	1.255-09	7.309-01	2.011-01	4.450-03	1.263-04	1.470-05
-.8	4.976-12	2.934-05	3.819-12	1.011-09	7.368-01	2.034-01	4.515-03	1.330-04	1.483-05
-.6	3.277-12	2.449-05	2.590-12	8.153-10	7.391-01	2.056-01	4.577-03	1.388-04	1.497-05
-.4	2.172-12	2.034-05	1.754-12	6.600-10	7.372-01	2.079-01	4.642-03	1.439-04	1.513-05
-.2	1.452-12	1.683-05	1.189-12	5.367-10	7.303-01	2.103-01	4.717-03	1.482-04	1.533-05
.0	9.814-13	1.388-05	8.073-13	4.389-10	7.172-01	2.131-01	4.808-03	1.518-04	1.559-05
.2	6.714-13	1.141-05	5.493-13	3.614-10	6.967-01	2.165-01	4.922-03	1.545-04	1.593-05
.4	4.657-13	9.323-06	3.738-13	2.998-10	6.679-01	2.204-01	5.065-03	1.560-04	1.637-05
.6	3.278-13	7.545-06	2.536-13	2.504-10	6.307-01	2.248-01	5.240-03	1.556-04	1.691-05
.8	2.345-13	6.010-06	1.707-13	2.103-10	5.857-01	2.293-01	5.446-03	1.522-04	1.757-05
1.0	1.711-13	4.681-06	1.136-13	1.775-10	5.343-01	2.333-01	5.681-03	1.449-04	1.831-05
1.2	1.285-13	3.549-06	7.488-14	1.507-10	4.788-01	2.362-01	5.937-03	1.330-04	1.912-05
1.4	1.009-13	2.619-06	4.940-14	1.290-10	4.213-01	2.373-01	6.208-03	1.169-04	1.999-05
1.6	8.527-14	1.896-06	3.346-14	1.120-10	3.641-01	2.357-01	6.488-03	9.805-05	2.068-05
1.8	8.150-14	1.373-06	2.444-14	9.990-11	3.088-01	2.306-01	6.773-03	7.836-05	2.179-05
2.0	9.641-14	1.028-06	2.111-14	9.332-11	2.566-01	2.213-01	7.060-03	5.981-05	2.272-05
2.2	1.736-13	8.525-07	2.658-14	9.580-11	2.081-01	2.069-01	7.347-03	4.370-05	2.365-05

T= 1150C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.997-01	3.97915+00	4.39341+01	4.79132+01	1.27557+02	-4.77566+00	3.97957+00
-6.8	4.995-01	3.97754+00	4.39095+01	4.78870+01	1.25700+02	-4.57563+00	3.97807+00
-6.6	4.992-01	3.97508+00	4.38722+01	4.78472+01	1.23832+02	-4.37610+00	3.97575+00
-6.4	4.988-01	3.97128+00	4.38145+01	4.77858+01	1.21944+02	-4.17652+00	3.97212+00
-6.2	4.980-01	3.96540+00	4.37247+01	4.76901+01	1.20027+02	-3.97716+00	3.96645+00
-6.0	4.969-01	3.95630+00	4.35853+01	4.75416+01	1.18063+02	-3.77816+00	3.95762+00
-5.8	4.952-01	3.94231+00	4.33701+01	4.73124+01	1.16029+02	-3.57973+00	3.94396+00
-5.6	4.925-01	3.92105+00	4.30418+01	4.69628+01	1.13890+02	-3.38205+00	3.92310+00
-5.4	4.884-01	3.88932+00	4.25501+01	4.64394+01	1.11599+02	-3.18557+00	3.89183+00
-5.2	4.824-01	3.84316+00	4.18330+01	4.56761+01	1.09101+02	-2.99076+00	3.84621+00
-5.0	4.736-01	3.77839+00	4.08247+01	4.46031+01	1.06337+02	-2.79814+00	3.78203+00
-4.8	4.613-01	3.69165+00	3.94717+01	4.31633+01	1.03263+02	-2.60823+00	3.69591+00
-4.6	4.449-01	3.58178+00	3.77551+01	4.13369+01	9.98712+01	-2.42135+00	3.58663+00
-4.4	4.240-01	3.45092+00	3.57077+01	3.91586+01	9.62038+01	-2.23751+00	3.45630+00
-4.2	3.986-01	3.30456+00	3.34147+01	3.67193+01	9.23569+01	-2.05633+00	3.31034+00
-4.0	3.692-01	3.15034+00	3.09955+01	3.41459+01	8.84493+01	-1.87709+00	3.15638+00
-3.8	3.369-01	2.99623+00	2.85757+01	3.15719+01	8.46140+01	-1.69887+00	3.00238+00
-3.6	3.027-01	2.84910+00	2.62627+01	2.91118+01	8.09555+01	-1.52074+00	2.85522+00
-3.4	2.680-01	2.71379+00	2.41333+01	2.68471+01	7.75459+01	-1.34187+00	2.71975+00
-3.2	2.339-01	2.59306+00	2.22316+01	2.48267+01	7.44229+01	-1.16164+00	2.59877+00
-3.0	2.015-01	2.48790+00	2.05738+01	2.30617+01	7.15959+01	-9.79620-01	2.49331+00
-2.8	1.716-01	2.39804+00	1.91561+01	2.15541+01	6.90537+01	-7.95590-01	2.40310+00
-2.6	1.445-01	2.32238+00	1.79615+01	2.02839+01	6.67729+01	-6.09520-01	2.32707+00
-2.4	1.207-01	2.25939+00	1.69666+01	1.92260+01	6.47235+01	-4.21460-01	2.26371+00
-2.2	9.996-02	2.20740+00	1.61451+01	1.83525+01	6.28739+01	-2.31570-01	2.21135+00
-2.0	8.226-02	2.16469+00	1.54708+01	1.76355+01	6.11932+01	-4.00500-02	2.16829+00
-1.8	6.734-02	2.12969+00	1.49190+01	1.70487+01	5.96529+01	1.52870-01	2.13294+00
-1.6	5.489-02	2.10089+00	1.44672+01	1.65681+01	5.82272+01	3.46960-01	2.10382+00
-1.4	4.460-02	2.07694+00	1.40949+01	1.61718+01	5.68931+01	5.41980-01	2.07954+00
-1.2	3.616-02	2.05652+00	1.37832+01	1.58397+01	5.56297+01	7.37690-01	2.05801+00
-1.0	2.927-02	2.03835+00	1.35142+01	1.55525+01	5.44179+01	9.33830-01	2.04030+00
-.8	2.368-02	2.02103+00	1.32699+01	1.52905+01	5.32390+01	1.13012+00	2.02261+00
-.6	1.917-02	2.00300+00	1.30312+01	1.50342+01	5.20736+01	1.32623+00	2.00414+00
-.4	1.554-02	1.98248+00	1.27768+01	1.47593+01	5.09014+01	1.52176+00	1.98305+00
-.2	1.264-02	1.95743+00	1.24838+01	1.44413+01	4.97011+01	1.71624+00	1.95724+00
.0	1.032-02	1.92585+00	1.21294+01	1.40553+01	4.84523+01	1.90917+00	1.92458+00
.2	8.484-03	1.88617+00	1.16954+01	1.35816+01	4.71402+01	2.10013+00	1.88333+00
.4	7.030-03	1.83789+00	1.11743+01	1.30122+01	4.57613+01	2.28887+00	1.83277+00
.6	5.883-03	1.78206+00	1.05737+01	1.23558+01	4.43270+01	2.47567+00	1.77359+00
.8	4.979-03	1.72132+00	9.91565+00	1.16372+01	4.28624+01	2.66041+00	1.70790+00
1.0	4.265-03	1.65961+00	9.23196+00	1.08914+01	4.14002+01	2.84450+00	1.63867+00
1.2	3.700-03	1.60053+00	8.55401+00	1.01545+01	3.99718+01	3.02882+00	1.56890+00
1.4	3.253-03	1.54896+00	7.90835+00	9.45731+00	3.86014+01	3.21459+00	1.50104+00
1.6	2.902-03	1.50908+00	7.31271+00	8.82179+00	3.73C27+01	3.40328+00	1.43667+00
1.8	2.642-03	1.48585+00	6.77653+00	8.26238+00	3.60772+01	3.59653+00	1.37483+00
2.0	2.495-03	1.48563+00	6.30323+00	7.78886+00	3.49208+01	3.79844+00	1.32069+00
2.2	2.558-03	1.51699+00	5.89444+00	7.41143+00	3.38220+01	4.00553+00	1.26873+00

T= 1160C

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.130-15	8.905-18	2.173-16	5.530-20	8.017-34	5.510-31	9.590-31	1.703-12	3.741-14
-6.8	8.491-15	3.534-17	8.626-16	2.200-19	7.595-33	5.485-30	9.550-30	4.271-12	9.374-14
-6.6	3.368-14	1.400-16	3.419-15	8.738-19	7.957-32	5.447-29	9.489-29	1.070-11	2.346-13
-6.4	1.333-13	5.531-16	1.352-14	3.462-18	7.887-31	5.388-28	9.396-28	2.678-11	5.859-13
-6.2	5.261-13	2.176-15	5.329-14	1.368-17	7.774-30	5.299-27	9.253-27	6.687-11	1.459-12
-6.0	2.066-12	8.509-15	2.088-13	5.376-17	7.600-29	5.163-26	9.037-26	1.664-10	3.614-12
-5.8	8.095-12	3.294-14	8.111-13	2.099-16	7.337-28	4.961-25	8.713-25	4.121-10	8.886-12
-5.6	3.105-11	1.256-13	3.110-12	8.107-16	6.951-27	4.665-24	8.239-24	1.013-09	2.140-11
-5.4	1.177-10	4.685-13	1.169-11	3.083-15	6.405-26	4.250-23	7.567-23	2.459-09	5.161-11
-5.2	4.356-10	1.693-12	4.276-11	1.146-14	5.669-25	3.700-22	6.646-22	5.873-09	1.204-10
-5.0	1.568-09	5.857-12	1.504-10	4.132-14	4.749-24	3.024-21	5.541-21	1.370-08	2.715-10
-4.8	5.330-09	1.914-11	5.030-10	1.431-13	3.703-23	2.278-20	4.269-20	3.084-08	5.864-10
-4.6	1.724-08	5.842-11	1.580-09	4.712-13	2.645-22	1.552-19	2.996-19	6.727-08	1.202-09
-4.4	5.222-08	1.651-10	4.624-09	1.467-12	1.712-21	9.442-19	1.886-18	1.395-07	2.325-09
-4.2	1.473-07	4.308-10	1.254-08	4.297-12	9.991-21	5.103-18	1.040-17	2.746-07	4.236-09
-4.0	3.861-07	1.041-09	3.157-08	1.185-11	5.269-20	2.456-17	5.312-17	5.127-07	7.289-09
-3.8	9.433-07	2.345-09	7.406-08	3.006-11	2.529-19	1.062-16	2.392-16	9.085-07	1.191-08
-3.6	2.158-06	4.969-09	1.631-07	7.618-11	1.116-18	4.177-16	9.779-16	1.533-06	1.861-08
-3.4	4.655-06	9.994-09	3.396-07	1.792-10	4.571-18	1.516-15	3.674-15	2.472-06	2.799-08
-3.2	9.534-06	1.925-08	6.746-07	4.034-10	1.757-17	5.139-15	1.285-14	3.833-06	4.081-08
-3.0	1.860-05	3.576-08	1.287-06	8.732-10	6.387-17	1.647-14	4.227-14	5.741-06	5.797-08
-2.8	3.523-05	6.450-08	2.374-06	1.823-09	2.212-16	5.039-14	1.323-13	8.349-06	8.060-08
-2.6	6.437-05	1.135-07	4.257-06	3.683-09	7.340-16	1.484-13	3.969-13	1.184-05	1.101-07
-2.4	1.145-04	1.959-07	7.460-06	7.221-09	2.346-15	4.239-13	1.151-12	1.644-05	1.483-07
-2.2	1.993-04	3.326-07	1.282-05	1.377-08	7.249-15	1.181-12	3.246-12	2.243-05	1.973-07
-2.0	3.407-04	5.572-07	2.170-05	2.562-08	2.174-14	3.222-12	8.946-12	3.015-05	2.601-07
-1.8	5.734-04	9.234-07	3.674-05	4.658-08	6.352-14	8.645-12	2.420-11	4.006-05	3.402-07
-1.6	9.531-04	1.517-06	5.988-05	8.298-08	1.813-13	2.289-11	6.442-11	5.270-05	4.423-07
-1.4	1.567-03	2.475-06	9.807-05	1.451-07	5.068-13	5.991-11	1.693-10	6.874-05	5.723-07
-1.2	2.553-03	4.015-06	1.594-04	2.490-07	1.392-12	1.554-10	4.399-10	8.901-05	7.380-07
-1.0	4.123-03	6.484-06	2.575-04	4.242-07	3.762-12	3.996-10	1.131-09	1.145-04	9.494-07
-.8	6.597-03	1.044-05	4.132-04	7.116-07	1.004-11	1.020-09	2.878-09	1.462-04	1.220-06
-.6	1.045-02	1.676-05	6.591-04	1.182-06	2.647-11	2.586-09	7.242-09	1.852-04	1.566-06
-.4	1.636-02	2.687-05	1.044-03	1.945-06	6.909-11	6.501-09	1.797-08	2.323-04	2.012-06
-.2	2.522-02	4.304-05	1.641-03	3.177-06	1.787-10	1.619-08	4.386-08	2.875-04	2.589-06
.0	3.811-02	6.893-05	2.552-03	5.151-06	4.581-10	3.988-08	1.047-07	3.499-04	3.339-06
.2	5.615-02	1.104-04	3.919-03	8.285-06	1.163-09	9.689-08	2.432-07	4.163-04	4.320-06
.4	8.026-02	1.767-04	5.928-03	1.319-05	2.913-09	2.315-07	5.463-07	4.818-04	5.604-06
.6	1.108-01	2.825-04	8.807-03	2.071-05	7.173-09	5.428-07	1.181-06	5.404-04	7.283-06
.8	1.475-01	4.503-04	1.282-02	3.183-05	1.724-08	1.247-06	2.450-06	5.864-04	9.472-06
1.0	1.892-01	7.135-04	1.827-02	4.752-05	4.010-08	2.807-06	4.872-06	6.166-04	1.232-05
1.2	2.342-01	1.121-03	2.547-02	6.831-05	8.946-08	6.205-06	9.295-06	6.319-04	1.604-05
1.4	2.808-01	1.740-03	3.471-02	9.383-05	1.900-07	1.352-05	1.705-05	6.378-04	2.099-05
1.6	3.272-01	2.662-03	4.628-02	1.227-04	3.832-07	2.926-05	3.012-05	6.445-04	2.788-05
1.8	3.720-01	4.005-03	6.039-02	1.526-04	7.348-07	6.366-05	5.141-05	6.678-04	3.826-05
2.0	4.141-01	5.912-03	7.715-02	1.813-04	1.349-06	1.418-04	8.489-05	7.371-04	5.596-05
2.2	4.530-01	8.521-03	9.638-02	2.076-04	2.396-06	3.316-04	1.356-04	9.317-04	9.293-05

T= 1160C

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.217-28	3.852-12	9.803-17	6.726-13	3.920-01	3.739-05	1.053-01	1.321-07	2.340-03
-6.8	7.652-28	9.656-12	2.463-16	1.686-12	3.919-01	2.358-05	1.052-01	8.339-08	2.341-03
-6.6	4.799-27	2.418-11	6.180-16	4.221-12	3.918-01	1.490-05	1.051-01	5.264-08	2.340-03
-6.4	3.001-26	6.045-11	1.548-15	1.055-11	3.915-01	9.413-06	1.049-01	3.326-08	2.339-03
-6.2	1.866-25	1.507-10	3.868-15	2.630-11	3.912-01	5.953-06	1.047-01	2.099-08	2.337-03
-6.0	1.152-24	3.742-10	9.637-15	6.527-11	3.906-01	3.768-06	1.043-01	1.325-08	2.332-03
-5.8	7.024-24	9.234-10	2.390-14	1.609-10	3.897-01	2.389-06	1.037-01	8.374-09	2.325-03
-5.6	4.205-23	2.257-09	5.883-14	3.929-10	3.883-01	1.518-06	1.027-01	5.292-09	2.313-03
-5.4	2.451-22	5.437-09	1.433-13	9.448-10	3.861-01	9.679-07	1.013-01	3.347-09	2.295-03
-5.2	1.373-21	1.283-08	3.439-13	2.224-09	3.827-01	6.199-07	9.928-02	2.118-09	2.269-03
-5.0	7.295-21	2.943-08	8.084-13	5.084-09	3.778-01	3.974-07	9.636-02	1.342-09	2.230-03
-4.8	3.613-20	6.502-08	1.849-12	1.118-08	3.706-01	2.593-07	9.241-02	8.517-10	2.174-03
-4.6	1.644-19	1.372-07	4.092-12	2.346-08	3.606-01	1.698-07	8.735-02	5.416-10	2.099-03
-4.4	6.802-19	2.748-07	8.716-12	4.867-08	3.473-01	1.121-07	8.125-02	3.455-10	2.002-03
-4.2	2.548-18	5.205-07	1.783-11	8.776-08	3.302-01	7.458-08	7.431-02	2.211-10	1.883-03
-4.0	8.667-18	9.329-07	3.502-11	1.561-07	3.094-01	4.991-08	6.687-02	1.420-10	1.744-03
-3.8	2.699-17	1.587-06	6.613-11	2.638-07	2.857-01	3.351-08	5.928-02	9.157-11	1.591-03
-3.6	7.780-17	2.577-06	1.204-10	4.255-07	2.596-01	2.252-08	5.183-02	5.921-11	1.428-03
-3.4	2.099-16	4.014-06	2.118-10	6.591-07	2.322-01	1.511-08	4.476-02	3.838-11	1.263-03
-3.2	5.362-16	6.035-06	3.610-10	9.862-07	2.045-01	1.011-08	3.823-02	2.491-11	1.102-03
-3.0	1.308-15	8.804-06	5.973-10	1.433-06	1.776-01	6.742-09	3.233-02	1.617-11	9.486-04
-2.8	3.076-15	1.252-05	9.613-10	2.030-06	1.522-01	4.476-09	2.710-02	1.050-11	8.071-04
-2.6	7.012-15	1.742-05	1.507-09	2.818-06	1.290-01	2.959-09	2.254-02	6.811-12	6.797-04
-2.4	1.560-14	2.382-05	2.306-09	3.845-06	1.082-01	1.948-09	1.862-02	4.416-12	5.672-04
-2.2	3.399-14	3.210-05	3.448-09	5.173-06	8.998-02	1.278-09	1.529-02	2.861-12	4.698-04
-2.0	7.290-14	4.273-05	5.046-09	6.880-06	7.428-02	8.362-10	1.250-02	1.853-12	3.866-04
-1.8	1.543-13	5.633-05	7.242-09	9.064-06	6.094-02	5.459-10	1.018-02	1.201-12	3.165-04
-1.6	3.233-13	7.367-05	1.021-08	1.185-05	4.975-02	3.559-10	8.258-03	7.781-13	2.580-04
-1.4	6.717-13	9.571-05	1.417-08	1.541-05	4.044-02	2.318-10	6.687-03	5.049-13	2.097-04
-1.2	1.387-12	1.237-04	1.939-08	1.995-05	3.276-02	1.510-10	5.405-03	3.281-13	1.701-04
-1.0	2.850-12	1.591-04	2.621-08	2.573-05	2.646-02	9.837-11	4.366-03	2.138-13	1.378-04
-.8	5.835-12	2.037-04	3.509-08	3.313-05	2.131-02	6.414-11	3.527-03	1.398-13	1.116-04
-.6	1.192-11	2.598-04	4.660-08	4.261-05	1.711-02	4.186-11	2.851-03	9.186-14	9.052-05
-.4	2.432-11	3.298-04	6.147-08	5.480-05	1.370-02	2.734-11	2.310-03	6.072-14	7.357-05
-.2	4.960-11	4.161-04	8.066-08	7.056-05	1.092-02	1.786-11	1.876-03	4.043-14	6.002-05
.0	1.013-10	5.211-04	1.054-07	9.109-05	8.648-03	1.166-11	1.531-03	2.718-14	4.923-05
.2	2.072-10	6.462-04	1.369-07	1.181-04	6.800-03	7.597-12	1.255-03	1.846-14	4.067-05
.4	4.251-10	7.911-04	1.767-07	1.538-04	5.293-03	4.932-12	1.034-03	1.268-14	3.385-05
.6	8.761-10	9.539-04	2.256-07	2.018-04	4.071-03	3.186-12	8.560-04	8.813-15	2.842-05
.8	1.815-09	1.131-03	2.833-07	2.669-04	3.090-03	2.049-12	7.114-04	6.201-15	2.406-05
1.0	3.783-09	1.318-03	3.476-07	3.561-04	2.316-03	1.316-12	5.930-04	4.427-15	2.054-05
1.2	7.945-09	1.514-03	4.149-07	4.799-04	1.720-03	8.527-13	4.964-04	3.228-15	1.774-05
1.4	1.685-08	1.726-03	4.819-07	6.543-04	1.273-03	5.666-13	4.187-04	2.439-15	1.557-05
1.6	3.630-08	1.975-03	5.496-07	9.056-04	9.502-04	3.974-13	3.590-04	1.958-15	1.405-05
1.8	8.038-08	2.311-03	6.263-07	1.284-03	7.282-04	3.089-13	3.175-04	1.747-15	1.328-05
2.0	1.879-07	2.852-03	7.488-07	1.906-03	5.902-04	2.908-13	2.977-04	1.889-15	1.357-05
2.2	4.928-07	3.953-03	1.003-06	3.126-03	5.380-04	4.078-13	3.136-04	3.027-15	1.602-05

T= 1160C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	4.329-06	8.251-05	3.999-07	5.557-06	3.760-04	1.663-04	2.621-06	9.956-09	1.981-06
-6.8	2.735-06	8.268-05	2.531-07	4.820-06	5.952-04	2.664-04	4.152-06	1.580-08	2.720-06
-6.6	1.728-06	8.280-05	1.602-07	3.984-06	9.419-04	4.212-04	6.571-06	2.505-08	3.560-06
-6.4	1.092-06	8.291-05	1.014-07	3.129-06	1.659-03	6.653-04	1.039-05	3.967-08	4.422-06
-6.2	6.904-07	8.303-05	6.428-08	2.338-06	2.351-03	1.049-03	1.640-05	6.279-08	5.222-06
-6.0	4.368-07	8.318-05	4.082-08	1.674-06	3.705-03	1.649-03	2.583-05	9.928-08	5.901-06
-5.8	2.769-07	8.339-05	2.601-08	1.160-06	5.815-03	2.581-03	4.054-05	1.567-07	6.438-06
-5.6	1.756-07	8.370-05	1.665-08	7.886-07	9.097-03	4.013-03	6.329-05	2.467-07	6.867-06
-5.4	1.117-07	8.417-05	1.073-08	5.289-07	1.412-02	6.179-03	9.803-05	3.873-07	7.161-06
-5.2	7.134-08	8.485-05	6.980-09	3.522-07	2.169-02	9.379-03	1.501-04	6.049-07	7.417-06
-5.0	4.577-08	8.583-05	4.618-09	2.369-07	3.276-02	1.396-02	2.263-04	9.385-07	7.651-06
-4.8	2.953-08	8.718-05	3.102-09	1.615-07	4.878-02	2.026-02	3.340-04	1.443-06	7.895-06
-4.6	1.919-08	8.894-05	2.130-09	1.123-07	7.052-02	2.851-02	4.800-04	2.191-06	8.172-06
-4.4	1.255-08	9.110-05	1.496-09	7.995-08	9.935-02	3.875-02	6.689-04	3.279-06	8.500-06
-4.2	8.258-09	9.355-05	1.075-09	5.835-08	1.353-01	5.076-02	9.010-04	4.822-06	8.864-06
-4.0	5.461-09	9.609-05	7.881-10	4.361-08	1.781-01	6.415-02	1.172-03	6.957-06	9.325-06
-3.8	3.622-09	9.846-05	5.873-10	3.328-08	2.267-01	7.840-02	1.474-03	9.827-06	9.811-06
-3.6	2.405-09	1.003-04	4.425-10	2.583-08	2.793-01	9.296-02	1.795-03	1.358-05	1.033-05
-3.4	1.597-09	1.013-04	3.354-10	2.031-08	3.339-01	1.073-01	2.122-03	1.833-05	1.085-05
-3.2	1.058-09	1.011-04	2.545-10	1.611-08	3.886-01	1.211-01	2.445-03	2.418-05	1.138-05
-3.0	6.994-10	9.963-05	1.926-10	1.286-08	4.413-01	1.340-01	2.753-03	3.115-05	1.188-05
-2.8	4.609-10	9.667-05	1.446-10	1.030-08	4.907-01	1.457-01	3.039-03	3.921-05	1.234-05
-2.6	3.027-10	9.228-05	1.077-10	8.269-09	5.358-01	1.561-01	3.297-03	4.823-05	1.277-05
-2.4	1.983-10	8.682-05	7.933-11	6.643-09	5.760-01	1.653-01	3.527-03	5.802-05	1.314-05
-2.2	1.296-10	7.993-05	5.776-11	5.337-09	6.111-01	1.731-01	3.726-03	6.830-05	1.347-05
-2.0	8.450-11	7.254-05	4.154-11	4.288-09	6.412-01	1.799-01	3.897-03	7.879-05	1.375-05
-1.8	5.504-11	6.479-05	2.952-11	3.444-09	6.665-01	1.855-01	4.042-03	8.915-05	1.400-05
-1.6	3.584-11	5.702-05	2.075-11	2.765-09	6.875-01	1.903-01	4.164-03	9.914-05	1.420-05
-1.4	2.334-11	4.951-05	1.443-11	2.220-09	7.046-01	1.942-01	4.267-03	1.085-04	1.438-05
-1.2	1.522-11	4.247-05	9.955-12	1.784-09	7.181-01	1.975-01	4.354-03	1.171-04	1.453-05
-1.0	9.948-12	3.606-05	6.819-12	1.434-09	7.282-01	2.003-01	4.429-03	1.249-04	1.467-05
-.8	6.524-12	3.035-05	4.647-12	1.154-09	7.349-01	2.028-01	4.495-03	1.317-04	1.480-05
-.6	4.299-12	2.538-05	3.157-12	9.311-10	7.381-01	2.050-01	4.559-03	1.377-04	1.493-05
-.4	2.852-12	2.110-05	2.142-12	7.536-10	7.372-01	2.072-01	4.624-03	1.429-04	1.509-05
-.2	1.908-12	1.748-05	1.455-12	6.125-10	7.315-01	2.096-01	4.697-03	1.473-04	1.528-05
.0	1.290-12	1.444-05	9.903-13	5.008-10	7.197-01	2.123-01	4.785-03	1.511-04	1.553-05
.2	8.830-13	1.189-05	6.758-13	4.122-10	7.008-01	2.156-01	4.895-03	1.541-04	1.585-05
.4	6.133-13	9.748-06	4.619-13	3.418-10	6.738-01	2.193-01	5.033-03	1.559-04	1.628-05
.6	4.327-13	7.925-06	3.153-13	2.855-10	6.382-01	2.236-01	5.203-03	1.560-04	1.680-05
.8	3.106-13	6.354-06	2.142-13	2.400-10	5.945-01	2.286-01	5.405-03	1.533-04	1.744-05
1.0	2.277-13	4.994-06	1.443-13	2.030-10	5.442-01	2.320-01	5.635-03	1.469-04	1.817-05
1.2	1.720-13	3.828-06	9.647-14	1.727-10	4.892-01	2.350-01	5.889-03	1.361-04	1.897-05
1.4	1.359-13	2.861-06	6.469-14	1.483-10	4.319-01	2.367-01	6.160-03	1.208-04	1.983-05
1.6	1.157-13	2.059-06	4.458-14	1.292-10	3.743-01	2.349-01	6.441-03	1.024-04	2.073-05
1.8	1.116-13	1.539-06	3.315-14	1.156-10	3.183-01	2.301-01	6.728-03	6.263-05	2.165-05
2.0	1.335-13	1.166-06	2.919-14	1.084-10	2.651-01	2.212-01	7.018-03	6.361-05	2.258-05
2.2	2.454-13	9.792-07	3.775-14	1.120-10	2.154-01	2.070-01	7.308-03	4.681-05	2.353-05

T= 1160C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.997-01	3.97951+00	4.36211+01	4.76006+01	1.27623+02	-4.77186+00	3.97993+00
-6.8	4.996-01	3.97807+00	4.35991+01	4.75772+01	1.25769+02	-4.57202+00	3.97860+00
-6.6	4.993-01	3.97589+00	4.35663+01	4.75422+01	1.23904+02	-4.37225+00	3.97655+00
-6.4	4.989-01	3.97253+00	4.35159+01	4.74884+01	1.22024+02	-4.17262+00	3.97337+00
-6.2	4.983-01	3.96735+00	4.34376+01	4.74050+01	1.20117+02	-3.97319+00	3.96839+00
-6.0	4.973-01	3.95932+00	4.33160+01	4.72753+01	1.18170+02	-3.77407+00	3.96063+00
-5.8	4.958-01	3.94696+00	4.31277+01	4.70747+01	1.16161+02	-3.57542+00	3.94860+00
-5.6	4.934-01	3.92812+00	4.28396+01	4.67677+01	1.14060+02	-3.37750+00	3.93015+00
-5.4	4.898-01	3.89982+00	4.24053+01	4.63051+01	1.11822+02	-3.18064+00	3.90232+00
-5.2	4.844-01	3.85832+00	4.17666+01	4.56249+01	1.09397+02	-2.98529+00	3.86137+00
-5.0	4.765-01	3.79942+00	4.08578+01	4.46573+01	1.06724+02	-2.79197+00	3.80308+00
-4.8	4.653-01	3.71938+00	3.96205+01	4.33398+01	1.03754+02	-2.60122+00	3.72368+00
-4.6	4.502-01	3.61625+00	3.80234+01	4.16397+01	1.00468+02	-2.41343+00	3.62120+00
-4.4	4.306-01	3.49116+00	3.60831+01	3.95743+01	9.68899+01	-2.22872+00	3.49668+00
-4.2	4.065-01	3.34867+00	3.38699+01	3.72186+01	9.31013+01	-2.04682+00	3.35467+00
-4.0	3.783-01	3.19597+00	3.14949+01	3.46909+01	8.92192+01	-1.86709+00	3.20229+00
-3.8	3.467-01	3.04109+00	2.90835+01	3.21246+01	8.53713+01	-1.68866+00	3.04757+00
-3.6	3.130-01	2.89136+00	2.67494+01	2.96407+01	8.16716+01	-1.51059+00	2.89785+00
-3.4	2.783-01	2.75223+00	2.45782+01	2.73304+01	7.82016+01	-1.33200+00	2.75859+00
-3.2	2.439-01	2.62706+00	2.26230+01	2.52500+01	7.50084+01	-1.15222+00	2.63319+00
-3.0	2.110-01	2.51731+00	2.09072+01	2.34245+01	7.21088+01	-9.70750-01	2.52313+00
-2.8	1.802-01	2.42304+00	1.94320+01	2.18551+01	6.94967+01	-7.87330-01	2.42850+00
-2.6	1.523-01	2.34335+00	1.81840+01	2.05273+01	6.71518+01	-6.01850-01	2.34843+00
-2.4	1.275-01	2.27680+00	1.71412+01	1.94180+01	6.50457+01	-4.14360-01	2.28148+00
-2.2	1.059-01	2.22173+00	1.62781+01	1.84998+01	6.31472+01	-2.25000-01	2.22602+00
-2.0	8.730-02	2.17644+00	1.55684+01	1.77448+01	6.14252+01	-3.39400-02	2.18036+00
-1.8	7.159-02	2.13930+00	1.49872+01	1.71265+01	5.98505+01	1.55580-01	2.14285+00
-1.6	5.844-02	2.10878+00	1.45113+01	1.66201+01	5.83968+01	3.52340-01	2.11197+00
-1.4	4.754-02	2.08346+00	1.41198+01	1.62033+01	5.70402+01	5.47100-01	2.08632+00
-1.2	3.858-02	2.06204+00	1.37935+01	1.58556+01	5.57594+01	7.42610-01	2.06455+00
-1.0	3.125-02	2.04318+00	1.35142+01	1.55574+01	5.45350+01	9.38620-01	2.04534+00
-.8	2.530-02	2.02553+00	1.32640+01	1.52895+01	5.33479+01	1.13485+00	2.02730+00
-.6	2.049-02	2.00754+00	1.30239+01	1.50314+01	5.21791+01	1.33098+00	2.00886+00
-.4	1.661-02	1.98747+00	1.27731+01	1.47605+01	5.10083+01	1.52661+00	1.98820+00
-.2	1.350-02	1.96331+00	1.24890+01	1.44523+01	4.98143+01	1.72130+00	1.96326+00
.0	1.103-02	1.93302+00	1.21484+01	1.40815+01	4.85763+01	1.91455+00	1.93188+00
.2	9.056-03	1.89492+00	1.17321+01	1.36270+01	4.72782+01	2.10590+00	1.89219+00
.4	7.496-03	1.84824+00	1.12298+01	1.30780+01	4.59137+01	2.29507+00	1.84321+00
.6	6.264-03	1.79377+00	1.06461+01	1.24398+01	4.44911+01	2.48208+00	1.78536+00
.8	5.292-03	1.73387+00	1.00005+01	1.17344+01	4.30331+01	2.66733+00	1.72045+00
1.0	4.526-03	1.67220+00	9.32286+00	1.09951+01	4.15712+01	2.85160+00	1.65533+00
1.2	3.920-03	1.61259+00	8.64530+00	1.02583+01	4.01374+01	3.03594+00	1.59120+00
1.4	3.442-03	1.56066+00	7.99535+00	9.55602+00	3.87571+01	3.22162+00	1.53247+00
1.6	3.078-03	1.51976+00	7.39234+00	8.91210+00	3.74453+01	3.41009+00	1.48696+00
1.8	2.794-03	1.49538+00	6.84718+00	8.34256+00	3.62046+01	3.60304+00	1.45553+00
2.0	2.642-03	1.49397+00	6.36453+00	7.85051+00	3.50367+01	3.80265+00	1.43836+00
2.2	2.720-03	1.52408+00	5.94709+00	7.47117+00	3.39257+01	4.01132+00	1.42522+00

T= 11700

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.500-15	6.611-18	1.579-16	3.962-20	4.864-36	3.433-31	5.879-31	1.388-12	3.126-14
-6.8	5.557-15	2.625-17	6.271-16	1.578-19	4.857-33	3.419-30	5.867-30	3.491-12	7.836-14
-6.6	2.364-14	1.040-16	2.487-15	6.269-19	4.836-32	3.398-29	5.775-29	8.726-12	1.962-13
-6.4	9.383-14	4.119-16	9.863-15	2.486-18	4.800-31	3.366-28	5.724-28	2.184-11	4.904-13
-6.2	3.699-13	1.621-15	3.883-14	9.829-18	4.740-30	3.316-27	5.647-27	5.458-11	1.222-12
-6.0	1.455-12	6.351-15	1.524-13	3.870-17	4.646-29	3.241-26	5.530-26	1.360-10	3.033-12
-5.8	5.685-12	2.466-14	5.938-13	1.514-16	4.503-28	3.128-25	5.355-25	3.373-10	7.475-12
-5.6	2.209-11	9.451-14	2.286-12	5.869-16	4.293-27	2.962-24	5.095-24	8.309-10	1.824-11
-5.4	8.365-11	3.551-13	8.652-12	2.243-15	3.991-26	2.727-23	4.724-23	2.026-09	4.382-11
-5.2	3.127-10	1.296-12	3.193-11	8.309-15	3.578-25	2.408-22	4.218-22	4.864-09	1.030-10
-5.0	1.131-09	4.565-12	1.137-10	3.057-14	3.049-24	2.008-21	3.572-21	1.143-08	2.347-10
-4.8	3.923-09	1.512-11	3.882-10	1.072-13	2.430-23	1.551-20	2.817-20	2.610-08	5.137-10
-4.6	1.291-08	4.709-11	1.236-09	3.582-13	1.782-22	1.089-19	2.033-19	5.746-08	1.070-09
-4.4	3.996-08	1.361-10	3.594-09	1.133-12	1.187-21	6.852-19	1.323-18	1.207-07	2.104-09
-4.2	1.169-07	3.633-10	1.024-08	3.377-12	7.131-21	3.931-18	7.681-18	2.414-07	3.899-09
-4.0	3.076-07	8.966-10	2.634-08	9.471-12	3.867-20	1.904-17	3.677-17	4.577-07	6.814-09
-3.8	7.668-07	2.059-09	6.300-08	2.504-11	1.904-19	8.481-17	1.846-16	8.233-07	1.122-08
-3.6	1.787-06	4.434-09	1.412-07	6.272-11	8.586-19	3.623-16	7.749-16	1.408-06	1.785-08
-3.4	3.910-06	9.043-09	2.985-07	1.493-10	3.586-18	1.270-15	2.980-15	2.301-06	2.713-04
-3.2	8.141-06	1.762-08	6.005-07	3.400-10	1.401-17	4.383-15	1.062-14	3.608-06	3.988-08
-3.0	1.615-05	3.324-08	1.158-06	7.430-10	5.165-17	1.426-14	3.554-14	5.456-06	5.704-08
-2.8	3.077-05	6.007-08	2.156-06	1.565-09	1.810-16	4.417-14	1.127-13	8.000-06	7.976-08
-2.6	5.673-05	1.064-07	3.896-06	3.186-09	6.069-16	1.314-13	3.421-13	1.142-05	1.035-07
-2.4	1.017-04	1.846-07	6.870-06	6.290-09	1.957-15	3.785-13	1.002-12	1.596-05	1.480-07
-2.2	1.780-04	3.147-07	1.187-05	1.207-08	6.094-15	1.061-12	2.846-12	2.188-05	1.976-07
-2.0	3.057-04	5.291-07	2.017-05	2.258-08	1.840-14	2.912-12	7.891-12	2.954-05	2.611-07
-1.8	5.168-04	8.794-07	3.380-05	4.125-08	5.407-14	7.848-12	2.145-11	3.938-05	3.423-07
-1.6	8.619-04	1.448-06	5.602-05	7.379-08	1.551-13	2.085-11	5.735-11	5.196-05	4.459-07
-1.4	1.421-03	2.367-06	9.197-05	1.296-07	4.356-13	5.475-11	1.513-10	6.795-05	5.779-07
-1.2	2.321-03	3.845-06	1.498-04	2.237-07	1.200-12	1.423-10	3.942-10	8.818-05	7.461-07
-1.0	3.757-03	6.217-06	2.423-04	3.803-07	3.254-12	3.669-10	1.016-09	1.136-04	9.607-07
-.8	6.076-03	1.002-05	3.896-04	6.404-07	8.704-12	9.384-10	2.593-09	1.454-04	1.235-06
-.6	9.570-03	1.609-05	6.223-04	1.065-06	2.301-11	2.383-09	6.541-09	1.847-04	1.567-06
-.4	1.502-02	2.581-05	9.674-04	1.757-06	6.018-11	6.001-09	1.629-08	2.323-04	2.040-06
-.2	2.324-02	4.135-05	1.556-03	2.873-06	1.559-10	1.498-08	3.989-08	2.986-04	2.625-06
.0	3.527-02	6.621-05	2.423-03	4.666-06	4.004-10	3.699-08	9.570-08	3.528-04	3.386-06
.2	5.225-02	1.060-04	3.731-03	7.519-06	1.018-09	9.012-08	2.235-07	4.222-04	4.391-06
.4	7.515-02	1.697-04	5.660-03	1.200-05	2.558-09	2.161-07	5.055-07	4.921-04	5.686-06
.6	1.045-01	2.712-04	8.438-03	1.890-05	6.323-09	5.085-07	1.101-06	5.564-04	7.377-06
.8	1.401-01	4.323-04	1.233-02	2.919-05	1.528-08	1.173-06	2.301-06	6.091-04	9.636-06
1.0	1.809-01	6.853-04	1.764-02	4.387-05	3.579-08	2.652-06	4.610-06	6.462-04	1.256-05
1.2	2.255-01	1.077-03	2.467-02	6.361-05	8.057-08	5.987-06	8.859-06	6.682-04	1.640-05
1.4	2.720-01	1.674-03	3.375-02	8.826-05	1.730-07	1.288-05	1.635-05	6.803-04	2.155-05
1.6	3.187-01	2.566-03	4.515-02	1.186-04	3.528-07	2.800-05	2.907-05	6.928-04	2.875-05
1.8	3.640-01	3.868-03	5.911-02	1.467-04	6.861-07	6.116-05	4.987-05	7.232-04	3.954-05
2.0	4.069-01	5.720-03	7.575-02	1.761-04	1.269-06	1.367-04	8.274-05	8.041-04	5.830-05
2.2	4.466-01	8.258-03	9.488-02	2.030-04	2.271-06	3.207-04	1.327-04	1.025-03	9.752-05

T= 11700

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.269-29	3.062-12	8.020-17	5.814-13	3.920-01	4.866-05	1.053-01	1.805-07	2.339-03
-6.8	5.028-28	7.679-12	2.016-16	1.458-12	3.919-01	3.073-05	1.052-01	1.139-07	2.340-03
-6.6	3.658-27	1.924-11	5.061-16	3.651-12	3.918-01	1.941-05	1.051-01	7.191-08	2.340-03
-6.4	2.289-26	4.812-11	1.268-15	9.130-12	3.916-01	1.226-05	1.050-01	4.540-08	2.340-03
-6.2	1.426-25	1.201-10	3.172-15	2.278-11	3.913-01	7.753-06	1.048-01	2.867-08	2.338-03
-6.0	8.826-25	2.986-10	7.911-15	5.661-11	3.908-01	4.906-06	1.044-01	1.810-08	2.334-03
-5.8	5.403-24	7.382-10	1.965-14	1.399-10	3.900-01	3.109-06	1.039-01	1.144-08	2.328-03
-5.6	3.254-23	1.810-09	4.848-14	3.426-10	3.887-01	1.974-06	1.030-01	7.228-09	2.318-03
-5.4	1.913-22	4.380-09	1.185-13	8.279-10	3.868-01	1.258-06	1.018-01	4.570-09	2.302-03
-5.2	1.086-21	1.041-08	2.857-13	1.962-09	3.839-01	8.043-07	9.994-02	2.892-09	2.279-03
-5.0	5.864-21	2.408-08	6.759-13	4.528-09	3.795-01	5.173-07	9.728-02	1.832-09	2.245-03
-4.8	2.968-20	5.384-08	1.559-12	1.008-08	3.730-01	3.351-07	9.364-02	1.162-09	2.196-03
-4.6	1.386-19	1.152-07	3.484-12	2.145-08	3.639-01	2.189-07	8.889-02	7.384-10	2.128-03
-4.4	5.894-19	2.343-07	7.502-12	4.334-08	3.516-01	1.442-07	8.306-02	4.705-10	2.039-03
-4.2	2.271-18	4.510-07	1.552-11	8.283-08	3.356-01	9.579-08	7.632-02	3.009-10	1.928-03
-4.0	7.937-18	8.211-07	3.082-11	1.497-07	3.160-01	6.402-08	6.899-02	1.930-10	1.796-03
-3.8	2.532-17	1.418-06	5.881-11	2.555-07	2.930-01	4.297-08	6.140-02	1.243-10	1.647-03
-3.6	7.453-17	2.331-06	1.061-10	4.191-07	2.675-01	2.888-08	5.389-02	8.035-11	1.487-03
-3.4	2.047-16	3.673-06	1.910-10	6.564-07	2.403-01	1.940-08	4.669-02	5.205-11	1.322-03
-3.2	5.306-16	5.576-06	3.295-10	9.915-07	2.126-01	1.300-08	4.000-02	3.378-11	1.159-03
-3.0	1.311-15	8.202-06	5.491-10	1.452-06	1.854-01	8.683-09	3.392-02	2.194-11	1.002-03
-2.8	3.112-15	1.174-05	8.896-10	2.072-06	1.595-01	5.774-09	2.850-02	1.425-11	8.561-04
-2.6	7.155-15	1.644-05	1.403-09	2.892-06	1.356-01	3.826-09	2.376-02	9.250-12	7.235-04
-2.4	1.602-14	2.259-05	2.159-09	3.965-06	1.141-01	2.522-09	1.966-02	6.002-12	6.057-04
-2.2	3.511-14	3.057-05	3.244-09	5.356-06	9.514-02	1.657-09	1.618-02	3.892-12	5.029-04
-2.0	7.564-14	4.083-05	4.770-09	7.145-06	7.872-02	1.086-09	1.324-02	2.523-12	4.148-04
-1.8	1.607-13	5.358-05	6.875-09	9.440-06	6.471-02	7.100-10	1.080-02	1.636-12	3.402-04
-1.6	3.377-13	7.076-05	9.728-09	1.237-05	5.291-02	4.635-10	8.770-03	1.061-12	2.778-04
-1.4	7.033-13	9.212-05	1.354-08	1.611-05	4.307-02	3.023-10	7.108-03	6.889-13	2.261-04
-1.2	1.455-12	1.192-04	1.859-08	2.089-05	3.494-02	1.972-10	5.750-03	4.481-13	1.836-04
-1.0	2.994-12	1.536-04	2.520-08	2.698-05	2.825-02	1.286-10	4.647-03	2.922-13	1.489-04
-.8	6.139-12	1.970-04	3.381-08	3.477-05	2.278-02	8.398-11	3.756-03	1.912-13	1.206-04
-.6	1.255-11	2.516-04	4.498-08	4.475-05	1.831-02	5.489-11	3.037-03	1.257-13	9.787-05
-.4	2.563-11	3.199-04	5.944-08	5.758-05	1.468-02	3.591-11	2.460-03	8.312-14	7.955-05
-.2	5.231-11	4.045-04	7.812-08	7.417-05	1.172-02	2.351-11	1.999-03	5.539-14	6.490-05
.0	1.068-10	5.077-04	1.022-07	9.574-05	9.301-03	1.539-11	1.630-03	3.725-14	5.322-05
.2	2.185-10	6.314-04	1.331-07	1.240-04	7.332-03	1.007-11	1.336-03	2.532-14	4.395-05
.4	4.483-10	7.760-04	1.723-07	1.615-04	5.727-03	6.566-12	1.101-03	1.742-14	3.658-05
.6	9.235-10	9.398-04	2.210-07	2.117-04	4.423-03	4.266-12	9.120-04	1.213-14	3.071-05
.8	1.912-09	1.120-03	2.792-07	2.797-04	3.373-03	2.763-12	7.588-04	8.568-15	2.602-05
1.0	3.983-09	1.313-03	3.456-07	3.727-04	2.541-03	1.790-12	6.338-04	6.146-15	2.225-05
1.2	8.360-09	1.517-03	4.171-07	5.019-04	1.897-03	1.170-12	5.319-04	4.509-15	1.926-05
1.4	1.775-08	1.740-03	4.907-07	6.837-04	1.412-03	7.845-13	4.501-04	3.430-15	1.695-05
1.6	3.822-08	2.003-03	5.672-07	9.461-04	1.060-03	5.557-13	3.872-04	2.775-15	1.535-05
1.8	8.474-08	2.357-03	6.573-07	1.342-03	8.165-04	4.365-13	3.437-04	2.500-15	1.455-05
2.0	1.986-07	2.926-03	7.935-07	1.996-03	6.653-04	4.165-13	3.237-04	2.735-15	1.492-05
2.2	5.238-07	4.088-03	1.078-06	3.290-03	6.107-04	5.976-13	3.431-04	4.482-15	1.772-05

T= 11700

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	5.558-06	8.240-05	4.984-07	5.831-06	3.289-04	1.477-04	2.263-06	8.930-09	1.706-06
-6.8	3.512-06	8.260-05	3.155-07	5.152-06	5.200-04	2.338-04	3.585-06	1.418-08	2.387-06
-6.6	2.219-06	8.275-05	1.997-07	4.551-06	8.242-04	3.699-04	5.677-06	2.248-08	3.192-06
-6.4	1.402-06	8.287-05	1.264-07	3.493-06	1.303-03	5.844-04	8.979-06	3.562-08	4.055-06
-6.2	8.866-07	8.299-05	8.011-08	2.665-06	2.059-03	9.220-04	1.418-05	5.660-08	4.891-06
-6.0	5.609-07	8.313-05	5.085-08	1.942-06	3.248-03	1.451-03	2.235-05	8.919-08	5.627-06
-5.8	3.552-07	8.332-05	3.236-08	1.384-06	5.105-03	2.274-03	3.513-05	1.408-07	6.226-06
-5.6	2.253-07	8.359-05	2.069-08	9.829-07	7.932-03	3.543-03	5.496-05	2.220-07	6.688-06
-5.4	1.433-07	8.400-05	1.331-08	6.282-07	1.243-02	5.473-03	8.533-05	3.488-07	7.041-06
-5.2	9.141-08	8.461-05	8.638-09	4.204-07	1.916-02	8.344-03	1.312-04	5.456-07	7.322-06
-5.0	5.859-08	8.549-05	5.679-09	2.825-07	2.915-02	1.250-02	1.958-04	8.481-07	7.567-06
-4.8	3.776-08	8.671-05	3.796-09	1.919-07	4.394-02	1.828-02	2.955-04	1.307-06	7.810-06
-4.6	2.450-08	8.833-05	2.583-09	1.327-07	6.355-02	2.596-02	4.285-04	1.992-06	8.079-06
-4.4	1.601-08	9.036-05	1.806-09	9.300-08	9.071-02	3.564-02	6.032-04	2.994-06	8.393-06
-4.2	1.053-08	9.271-05	1.289-09	6.788-08	1.240-01	4.718-02	8.215-04	4.425-06	8.762-06
-4.0	6.964-09	9.521-05	9.398-10	5.068-08	1.649-01	6.022-02	1.081-03	6.418-06	9.188-06
-3.8	4.622-09	9.759-05	6.972-10	3.831-08	2.119-01	7.427-02	1.373-03	9.117-06	9.663-06
-3.6	3.073-09	9.955-05	5.237-10	2.961-08	2.636-01	8.879-02	1.689-03	1.267-05	1.017-05
-3.4	2.043-09	1.007-04	3.962-10	2.320-08	3.178-01	1.033-01	2.016-03	1.720-05	1.070-05
-3.2	1.356-09	1.008-04	3.005-10	1.837-08	3.726-01	1.172-01	2.341-03	2.282-05	1.122-05
-3.0	8.984-10	9.964-05	2.274-10	1.464-08	4.261-01	1.304-01	2.655-03	2.957-05	1.173-05
-2.8	5.932-10	9.700-05	1.711-10	1.172-08	4.766-01	1.424-01	2.949-03	3.743-05	1.221-05
-2.6	3.904-10	9.292-05	1.276-10	9.405-09	5.230-01	1.532-01	3.216-03	4.628-05	1.265-05
-2.4	2.562-10	8.753-05	9.426-11	7.555-09	5.646-01	1.627-01	3.455-03	5.594-05	1.304-05
-2.2	1.677-10	8.106-05	6.880-11	6.072-09	6.012-01	1.710-01	3.664-03	6.616-05	1.338-05
-2.0	1.094-10	7.382-05	4.962-11	4.879-09	6.327-01	1.780-01	3.846-03	7.663-05	1.368-05
-1.8	7.147-11	6.615-05	3.537-11	3.920-09	6.594-01	1.840-01	3.997-03	8.706-05	1.393-05
-1.6	4.659-11	5.839-05	2.492-11	3.148-09	6.815-01	1.890-01	4.127-03	9.715-05	1.414-05
-1.4	3.038-11	5.083-05	1.738-11	2.529-09	6.998-01	1.931-01	4.236-03	1.067-04	1.433-05
-1.2	1.983-11	4.372-05	1.202-11	2.032-09	7.142-01	1.966-01	4.327-03	1.154-04	1.449-05
-1.0	1.297-11	3.720-05	8.252-12	1.636-09	7.252-01	1.995-01	4.406-03	1.233-04	1.463-05
-.8	8.516-12	3.137-05	5.635-12	1.315-09	7.328-01	2.021-01	4.476-03	1.304-04	1.476-05
-.6	5.616-12	2.627-05	3.835-12	1.061-09	7.369-01	2.044-01	4.541-03	1.365-04	1.490-05
-.4	3.727-12	2.188-05	2.603-12	8.585-10	7.370-01	2.066-01	4.606-03	1.419-04	1.505-05
-.2	2.494-12	1.815-05	1.775-12	6.976-10	7.324-01	2.090-01	4.678-03	1.465-04	1.523-05
.0	1.667-12	1.501-05	1.210-12	5.701-10	7.220-01	2.116-01	4.764-03	1.504-04	1.547-05
.2	1.156-12	1.238-05	8.283-13	4.690-10	7.046-01	2.147-01	4.870-03	1.536-04	1.578-05
.4	8.040-13	1.018-05	5.684-13	3.888-10	6.792-01	2.183-01	5.003-03	1.557-04	1.619-05
.6	5.604-13	8.308-06	3.903-13	3.268-10	6.453-01	2.224-01	5.157-03	1.562-04	1.670-05
.8	4.093-13	6.702-06	2.673-13	2.733-10	6.031-01	2.267-01	5.364-03	1.563-04	1.731-05
1.0	3.014-13	5.310-06	1.821-13	2.315-10	5.538-01	2.307-01	5.591-03	1.487-04	1.803-05
1.2	2.288-13	4.114-06	1.234-13	1.974-10	4.995-01	2.338-01	5.842-03	1.389-04	1.883-05
1.4	1.821-13	3.112-06	8.409-14	1.699-10	4.423-01	2.352-01	6.112-03	1.245-04	1.969-05
1.6	1.562-13	2.313-06	5.895-14	1.485-10	3.845-01	2.340-01	6.393-03	1.046-04	2.058-05
1.8	1.518-13	1.717-06	4.462-14	1.333-10	3.278-01	2.296-01	6.682-03	8.687-05	2.151-05
2.0	1.838-13	1.318-06	4.008-14	1.255-10	2.736-01	2.209-01	6.975-03	6.747-05	2.245-05
2.2	3.452-13	1.121-06	5.332-14	1.305-10	2.228-01	2.070-01	7.269-03	5.002-05	2.340-05

T= 11700

LOG D	E-	I	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.998-01	3.97994+00	4.33133+01	4.72931+01	1.27688+02	-4.76810+00	3.98025+00
-6.8	4.996-01	3.97853+00	4.32933+01	4.72719+01	1.25836+02	-4.56824+00	3.97906+00
-6.6	4.994-01	3.97659+00	4.32642+01	4.72408+01	1.23975+02	-4.36843+00	3.97725+00
-6.4	4.991-01	3.97362+00	4.32200+01	4.71936+01	1.22100+02	-4.16877+00	3.97445+00
-6.2	4.985-01	3.96904+00	4.31515+01	4.71205+01	1.20203+02	-3.96928+00	3.97007+00
-6.0	4.976-01	3.96194+00	4.30451+01	4.70071+01	1.18270+02	-3.77005+00	3.96324+00
-5.8	4.963-01	3.95101+00	4.28803+01	4.68314+01	1.16283+02	-3.57125+00	3.95263+00
-5.6	4.942-01	3.93429+00	4.26272+01	4.65614+01	1.14214+02	-3.37309+00	3.93630+00
-5.4	4.910-01	3.90906+00	4.22437+01	4.61527+01	1.12024+02	-3.17589+00	3.91155+00
-5.2	4.862-01	3.87178+00	4.16752+01	4.55467+01	1.09664+02	-2.98005+00	3.87482+00
-5.0	4.791-01	3.81832+00	4.08580+01	4.46763+01	1.07075+02	-2.78609+00	3.82199+00
-4.8	4.689-01	3.74469+00	3.97298+01	4.34745+01	1.04204+02	-2.59454+00	3.74903+00
-4.6	4.550-01	3.64628+00	3.82499+01	4.18982+01	1.01021+02	-2.40587+00	3.65331+00
-4.4	4.369-01	3.52925+00	3.64194+01	3.99487+01	9.75375+01	-2.22028+00	3.53491+00
-4.2	4.140-01	3.39118+00	3.42932+01	3.76844+01	9.38172+01	-2.03761+00	3.39738+00
-4.0	3.869-01	3.24066+00	3.19720+01	3.52126+01	8.99687+01	-1.85733+00	3.24725+00
-3.8	3.562-01	3.08566+00	2.95787+01	3.26644+01	8.61188+01	-1.67851+00	3.09247+00
-3.6	3.230-01	2.93383+00	2.72318+01	3.01656+01	8.23857+01	-1.50053+00	2.94069+00
-3.4	2.884-01	2.79123+00	2.50250+01	2.78162+01	7.88612+01	-1.32216+00	2.79800+00
-3.2	2.539-01	2.66182+00	2.30202+01	2.56822+01	7.56015+01	-1.14278+00	2.66838+00
-3.0	2.204-01	2.54757+00	2.12485+01	2.37961+01	7.26310+01	-9.61830-01	2.55382+00
-2.8	1.890-01	2.44889+00	1.97169+01	2.21658+01	6.99496+01	-7.78990-01	2.45477+00
-2.6	1.602-01	2.36510+00	1.84154+01	2.07805+01	6.75403+01	-5.94110-01	2.37059+00
-2.4	1.345-01	2.29491+00	1.73243+01	1.96192+01	6.53766+01	-4.07200-01	2.29998+00
-2.2	1.120-01	2.23668+00	1.64187+01	1.86554+01	6.34282+01	-2.18360-01	2.24134+00
-2.0	9.251-02	2.18871+00	1.56729+01	1.78616+01	6.16637+01	-2.77700-02	2.19296+00
-1.8	7.600-02	2.14934+00	1.50613+01	1.72106+01	6.00536+01	1.64340-01	2.15320+00
-1.6	6.213-02	2.11701+00	1.45605+01	1.66775+01	5.85767+01	3.57760-01	2.12049+00
-1.4	5.060-02	2.09026+00	1.41491+01	1.62393+01	5.71967+01	5.52240-01	2.09338+00
-1.2	4.110-02	2.06775+00	1.38073+01	1.58751+01	5.58917+01	7.47540-01	2.07051+00
-1.0	3.332-02	2.04815+00	1.35169+01	1.55651+01	5.46537+01	9.43400-01	2.05053+00
-.8	2.699-02	2.03008+00	1.32598+01	1.52899+01	5.34576+01	1.13955+00	2.03206+00
-.6	2.187-02	2.01205+00	1.30173+01	1.50294+01	5.22843+01	1.33568+00	2.01353+00
-.4	1.774-02	1.99233+00	1.27690+01	1.47613+01	5.11139+01	1.53160+00	1.99324+00
-.2	1.442-02	1.96897+00	1.24925+01	1.44615+01	4.99251+01	1.72628+00	1.96908+00
.0	1.177-02	1.93989+00	1.21647+01	1.41046+01	4.86970+01	1.91982+00	1.93889+00
.2	9.659-03	1.90330+00	1.17651+01	1.36684+01	4.74121+01	2.11155+00	1.90070+00
.4	7.987-03	1.85824+00	1.12813+01	1.31395+01	4.60619+01	2.30114+00	1.85330+00
.6	6.666-03	1.80517+00	1.07148+01	1.25159+01	4.46516+01	2.48836+00	1.79680+00
.8	5.624-03	1.74622+00	1.00823+01	1.18285+01	4.32013+01	2.67414+00	1.73280+00
1.0	4.802-03	1.68489+00	9.41389+00	1.10968+01	4.17409+01	2.85861+00	1.66402+00
1.2	4.153-03	1.62546+00	8.73572+00	1.03612+01	4.03027+01	3.04301+00	1.59351+00
1.4	3.641-03	1.57245+00	8.08228+00	9.65473+00	3.89133+01	3.22862+00	1.52399+00
1.6	3.244-03	1.53056+00	7.47244+00	9.03066+00	3.75896+01	3.41689+00	1.45737+00
1.8	2.955-03	1.50505+00	6.91864+00	8.42369+00	3.63376+01	3.60959+00	1.39457+00
2.0	2.768-03	1.50246+00	6.42680+00	7.92926+00	3.51543+01	3.80684+00	1.33621+00
2.2	2.694-03	1.53128+00	6.00077+00	7.53205+00	3.40311+01	4.01709+00	1.28133+00

T= 11000

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.056-15	4.936-18	1.153-16	2.834-20	2.375-34	2.156-31	3.573-31	1.135-12	2.619-14
-6.8	4.206-15	1.900-17	4.580-16	1.137-19	2.973-33	2.148-30	3.561-30	2.868-12	6.566-14
-6.6	1.669-14	7.773-17	1.817-15	4.522-19	2.964-32	2.136-29	3.543-29	7.141-12	1.645-13
-6.4	6.617-14	3.076-16	7.196-15	1.794-18	2.944-31	2.118-28	3.516-28	1.788-11	4.113-13
-6.2	2.616-13	1.213-15	2.842-14	7.102-18	2.912-30	2.090-27	3.474-27	4.472-11	1.026-12
-6.0	1.030-12	4.782-15	1.117-13	2.800-17	2.861-29	2.048-26	3.410-26	1.115-10	2.549-12
-5.8	4.035-12	1.855-14	4.363-13	1.098-16	2.784-28	1.985-25	3.313-25	2.770-10	6.277-12
-5.6	1.566-11	7.137-14	1.686-12	4.267-16	2.667-27	1.891-24	3.170-24	6.838-10	1.541-11
-5.4	5.999-11	2.698-13	6.417-12	1.638-15	2.499-26	1.756-23	2.964-23	1.673-09	3.721-11
-5.2	2.253-10	9.939-13	2.387-11	6.173-15	2.266-25	1.572-22	2.678-22	4.036-09	8.807-11
-5.0	8.227-10	3.529-12	8.596-11	2.267-14	1.962-24	1.334-21	2.306-21	9.552-09	2.027-10
-4.8	2.931-09	1.193-11	2.962-10	8.035-14	1.596-23	1.055-20	1.859-20	2.201-08	4.490-10
-4.6	9.868-09	3.789-11	9.653-10	2.724-13	1.199-22	7.623-20	1.378-19	4.895-08	9.448-10
-4.4	3.044-08	1.119-10	2.943-09	8.756-13	8.212-22	4.952-19	9.243-19	1.043-07	1.877-09
-4.2	8.960-08	3.054-10	8.337-09	2.653-12	5.078-21	2.863-18	5.546-18	2.118-07	3.574-09
-4.0	2.447-07	7.701-10	2.189-08	7.564-12	2.832-20	1.470-17	2.966-17	4.077-07	6.349-09
-3.8	6.222-07	1.803-09	5.342-08	2.037-11	1.430-19	6.746-17	1.414-16	7.445-07	1.047-08
-3.6	1.477-06	3.949-09	1.218-07	5.159-11	6.600-19	2.796-16	6.120-16	1.247-06	1.708-08
-3.4	3.294-06	8.169-09	2.616-07	1.244-10	2.811-18	1.060-15	2.410-15	2.137-06	2.622-08
-3.2	6.945-06	1.611-08	5.335-07	2.865-10	1.117-17	3.730-15	8.767-15	3.389-06	3.888-08
-3.0	1.395-05	3.051-08	1.041-06	6.325-10	4.177-17	1.233-14	2.983-14	5.177-06	5.601-08
-2.8	2.698-05	5.591-08	1.955-06	1.364-09	1.482-16	3.868-14	9.597-14	7.656-06	7.879-08
-2.6	4.999-05	9.973-08	3.561-06	2.758-09	5.022-16	1.163-13	2.947-13	1.101-05	1.087-07
-2.4	9.027-05	1.739-07	6.320-06	5.483-09	1.634-15	3.379-13	8.711-13	1.548-05	1.475-07
-2.2	1.591-04	2.979-07	1.098-05	1.059-08	5.129-15	9.539-13	2.495-12	2.133-05	1.976-07
-2.0	2.746-04	5.026-07	1.874-05	1.991-08	1.559-14	2.632-12	6.963-12	2.893-05	2.619-07
-1.8	4.661-04	8.378-07	3.152-05	3.656-08	4.609-14	7.128-12	1.903-11	3.870-05	3.441-07
-1.6	7.802-04	1.383-06	5.239-05	6.569-08	1.329-13	1.901-11	5.109-11	5.122-05	4.490-07
-1.4	1.291-03	2.265-06	8.622-05	1.158-07	3.747-13	5.006-11	1.352-10	6.715-05	5.828-07
-1.2	2.113-03	3.685-06	1.407-04	2.006-07	1.036-12	1.305-10	3.535-10	8.735-05	7.535-07
-1.0	3.427-03	5.965-06	2.281-04	3.474-07	2.820-12	3.371-10	9.149-10	1.128-04	9.712-07
-.8	5.510-03	9.620-06	3.672-04	5.771-07	7.564-12	8.639-10	2.339-09	1.447-04	1.250-06
-.6	8.772-03	1.547-05	5.875-04	9.620-07	2.004-11	2.197-09	5.914-09	1.842-04	1.607-06
-.4	1.381-02	2.492-05	9.336-04	1.589-06	5.252-11	5.545-09	1.477-08	2.323-04	2.066-06
-.2	2.143-02	3.976-05	1.472-03	2.603-06	1.363-10	1.387-08	3.631-08	2.896-04	2.660-06
.0	3.266-02	6.367-05	2.300-03	4.233-06	3.507-10	3.433-08	8.748-08	3.555-04	3.432-06
.2	4.863-02	1.019-04	3.550-03	6.832-06	8.936-10	8.387-08	2.055-07	4.278-04	4.441-06
.4	7.037-02	1.631-04	5.402-03	1.093-05	2.251-09	2.018-07	4.676-07	5.020-04	5.765-06
.6	9.850-02	2.607-04	8.079-03	1.726-05	5.582-09	4.766-07	1.026-06	5.719-04	7.507-06
.8	1.330-01	4.156-04	1.185-02	2.678-05	1.355-08	1.104-06	2.160-06	6.313-04	9.794-06
1.0	1.730-01	6.591-04	1.701-02	4.050-05	3.196-08	2.507-06	4.360-06	6.758-04	1.280-05
1.2	2.171-01	1.037-03	2.388-02	5.920-05	7.258-08	5.588-06	8.438-06	7.050-04	1.676-05
1.4	2.634-01	1.613-03	3.279-02	8.294-05	1.574-07	1.228-05	1.568-05	7.239-04	2.210-05
1.6	3.103-01	2.476-03	4.402-02	1.108-04	3.246-07	2.680-05	2.804-05	7.432-04	2.951-05
1.8	3.561-01	3.739-03	5.782-02	1.408-04	6.365-07	5.878-05	4.836-05	7.816-04	4.103-05
2.0	3.998-01	5.540-03	7.432-02	1.706-04	1.193-06	1.319-04	8.061-05	8.755-04	6.066-05
2.2	4.403-01	8.012-03	9.333-02	1.982-04	2.153-06	3.103-04	1.298-04	1.127-03	1.023-04

T= 11000

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.076-29	2.443-12	6.581-17	5.038-13	3.920-01	6.312-05	1.053-01	2.452-07	2.337-03
-6.8	4.450-28	6.126-12	1.656-16	1.263-12	3.919-01	3.985-05	1.052-01	1.548-07	2.339-03
-6.6	2.795-27	1.535-11	4.158-16	3.169-12	3.918-01	2.517-05	1.052-01	9.771-08	2.340-03
-6.4	1.751-26	3.847-11	1.043-15	7.920-12	3.917-01	1.590-05	1.050-01	6.169-08	2.340-03
-6.2	1.092-25	9.596-11	2.610-15	1.977-11	3.916-01	1.005-05	1.048-01	3.895-08	2.338-03
-6.0	6.774-25	2.388-10	6.514-15	4.921-11	3.910-01	6.360-06	1.045-01	2.460-08	2.335-03
-5.8	4.161-24	5.916-10	1.620-14	1.218-10	3.903-01	4.029-06	1.041-01	1.556-08	2.330-03
-5.6	2.519-23	1.454-09	4.005-14	2.992-10	3.892-01	2.557-06	1.033-01	9.819-09	2.321-03
-5.4	1.493-22	3.534-09	9.818-14	7.261-10	3.875-01	1.627-06	1.022-01	6.208-09	2.308-03
-5.2	8.565-22	8.446-09	2.377-13	1.732-09	3.848-01	1.039-06	1.005-01	3.927-09	2.288-03
-5.0	4.698-21	1.971-08	5.657-13	4.029-09	3.809-01	6.674-07	9.811-02	2.487-09	2.258-03
-4.8	2.426-20	4.453-08	1.315-12	9.067-09	3.751-01	4.315-07	9.475-02	1.577-09	2.215-03
-4.6	1.160-19	9.655-08	2.985-12	1.956-08	3.669-01	2.812-07	9.031-02	1.001-09	2.154-03
-4.4	5.070-19	1.993-07	6.453-12	4.213-08	3.555-01	1.849-07	8.477-02	6.377-10	2.072-03
-4.2	2.009-18	3.897-07	1.350-11	7.391-08	3.406-01	1.225-07	7.826-02	4.073-10	1.969-03
-4.0	7.212-18	7.207-07	2.710-11	1.430-07	3.220-01	8.180-08	7.105-02	2.611-10	1.844-03
-3.8	2.358-17	1.262-06	5.226-11	2.487-07	3.000-01	5.487-08	6.350-02	1.680-10	1.700-03
-3.6	7.093-17	2.104-06	9.697-11	4.116-07	2.751-01	3.688-08	5.594-02	1.085-10	1.544-03
-3.4	1.984-16	3.353-06	1.736-10	6.519-07	2.483-01	2.490-08	4.863-02	7.025-11	1.380-03
-3.2	5.222-16	5.142-06	3.006-10	9.963-07	2.207-01	1.664-08	4.179-02	4.558-11	1.216-03
-3.0	1.306-15	7.628-06	5.046-10	1.469-06	1.932-01	1.113-08	3.554-02	2.961-11	1.056-03
-2.8	3.135-15	1.100-05	8.230-10	2.119-06	1.669-01	7.413-09	2.994-02	1.926-11	9.059-04
-2.6	7.268-15	1.550-05	1.306-09	2.963-06	1.424-01	4.918-09	2.501-02	1.250-11	7.684-04
-2.4	1.639-14	2.140-05	2.021-09	4.082-06	1.201-01	3.249-09	2.074-02	8.116-12	6.453-04
-2.2	3.613-14	2.908-05	3.052-09	5.536-06	1.004-01	2.139-09	1.709-02	5.266-12	5.373-04
-2.0	7.819-14	3.859-05	4.509-09	7.412-06	8.329-02	1.404-09	1.401-02	3.417-12	4.442-04
-1.8	1.668-13	5.169-05	6.526-09	9.819-06	6.860-02	9.191-10	1.144-02	2.217-12	3.651-04
-1.6	3.515-13	6.793-05	9.270-09	1.290-05	5.619-02	6.008-10	9.303-03	1.439-12	2.986-04
-1.4	7.340-13	8.862-05	1.295-08	1.683-05	4.581-02	3.924-10	7.547-03	9.351-13	2.434-04
-1.2	1.522-12	1.149-04	1.783-08	2.186-05	3.720-02	2.562-10	6.110-03	6.087-13	1.978-04
-1.0	3.137-12	1.483-04	2.423-08	2.827-05	3.012-02	1.674-10	4.941-03	3.972-13	1.605-04
-.8	6.439-12	1.904-04	3.258-08	3.646-05	2.431-02	1.094-10	3.995-03	2.601-13	1.302-04
-.6	1.318-11	2.436-04	4.343-08	4.696-05	1.957-02	7.163-11	3.232-03	1.711-13	1.057-04
-.4	2.694-11	3.102-04	5.749-08	6.046-05	1.570-02	4.695-11	2.618-03	1.132-13	8.530-05
-.2	5.500-11	3.929-04	7.569-08	7.790-05	1.255-02	3.080-11	2.127-03	7.549-14	7.008-05
.0	1.124-10	4.943-04	9.919-08	1.006-04	9.587-03	2.022-11	1.735-03	5.080-14	5.746-05
.2	2.299-10	6.165-04	1.295-07	1.303-04	7.892-03	1.327-11	1.422-03	3.426-14	4.743-05
.4	4.716-10	7.603-04	1.680-07	1.695-04	6.184-03	8.694-12	1.171-03	2.331-14	3.947-05
.6	9.711-10	9.248-04	2.163-07	2.220-04	4.794-03	5.681-12	9.708-04	1.662-14	3.314-05
.8	2.009-09	1.107-03	2.750-07	2.930-04	3.673-03	3.704-12	8.085-04	1.177-14	2.810-05
1.0	4.184-09	1.305-03	3.432-07	3.901-04	2.782-03	2.418-12	6.769-04	8.484-15	2.406-05
1.2	8.779-09	1.518-03	4.186-07	5.247-04	2.088-03	1.595-12	5.691-04	6.260-15	2.087-05
1.4	1.862-08	1.752-03	4.983-07	7.143-04	1.561-03	1.079-12	4.831-04	4.735-15	1.842-05
1.6	4.015-08	2.026-03	5.837-07	9.884-04	1.179-03	7.721-13	4.170-04	3.910-15	1.672-05
1.8	8.915-08	2.401-03	6.856-07	1.403-03	9.130-04	6.131-13	3.716-04	3.555-15	1.590-05
2.0	2.095-07	2.999-03	8.385-07	2.031-03	7.480-04	5.930-13	3.515-04	3.939-15	1.630-05
2.2	5.595-07	4.222-03	1.155-06	3.463-03	6.917-04	8.710-13	3.749-04	6.401-15	1.957-05

T= 11400

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	9.105-06	9.228-05	8.197-07	8.073-06	2.884-04	1.299-04	1.458-06	8.022-09	1.444-06
-6.8	4.491-06	8.252-05	3.919-07	5.456-06	4.567-04	2.057-04	3.104-06	1.274-08	2.843-06
-6.6	2.838-06	8.249-05	2.491-07	4.701-06	7.229-04	3.254-04	4.916-06	2.022-08	2.841-06
-6.4	1.793-06	8.242-05	1.570-07	3.857-06	1.144-03	5.144-04	7.779-06	3.204-08	3.699-06
-6.2	1.134-06	8.234-05	9.944-08	3.007-06	1.807-03	4.119-04	1.229-05	5.074-08	4.547-06
-6.0	7.171-07	8.307-05	6.312-08	2.233-06	2.851-03	1.274-03	1.933-05	8.028-08	5.333-06
-5.8	4.541-07	8.329-05	4.014-08	1.591-06	4.447-03	2.007-03	3.050-05	1.268-07	5.992-06
-5.6	2.879-07	8.355-05	2.562-08	1.100-06	7.034-03	3.193-03	4.779-05	2.000-07	6.511-06
-5.4	1.830-07	8.386-05	1.645-08	7.452-07	1.097-02	4.852-03	7.439-05	3.145-07	6.909-06
-5.2	1.167-07	8.440-05	1.065-08	5.003-07	1.695-02	7.428-03	1.149-04	4.927-07	7.218-06
-5.0	7.469-08	8.519-05	6.971-09	3.359-07	2.589-02	1.119-02	1.744-04	7.673-07	7.479-06
-4.8	4.803-08	8.630-05	4.636-09	2.275-07	3.893-02	1.644-02	2.615-04	1.186-06	7.726-06
-4.6	3.117-08	8.779-05	3.143-09	1.565-07	5.717-02	2.341-02	3.822-04	1.813-06	7.969-06
-4.4	2.036-08	8.968-05	2.178-09	1.100-07	8.183-02	3.273-02	5.432-04	2.736-06	8.291-06
-4.2	1.337-08	9.191-05	1.546-09	7.914-08	1.136-01	4.477-02	7.474-04	4.062-06	8.645-06
-4.0	8.842-09	9.435-05	1.119-09	5.846-08	1.525-01	5.644-02	9.942-04	5.920-06	9.057-06
-3.8	5.871-09	9.675-05	8.284-10	4.404-08	1.979-01	7.028-02	1.277-03	8.456-06	9.520-06
-3.6	3.907-09	9.879-05	6.186-10	3.350-08	2.493-01	8.669-02	1.547-03	1.182-05	1.002-05
-3.4	2.602-09	1.001-04	4.671-10	2.567-08	3.070-01	9.921-02	1.811-03	1.614-05	1.055-05
-3.2	1.730-09	1.005-04	3.533-10	2.000-08	3.568-01	1.134-01	2.238-03	2.154-05	1.107-05
-3.0	1.148-09	9.958-05	2.679-10	1.664-08	4.108-01	1.267-01	2.557-03	2.804-05	1.159-05
-2.8	7.597-10	9.726-05	2.018-10	1.331-08	4.623-01	1.391-01	2.857-03	3.570-05	1.207-05
-2.6	5.010-10	9.349-05	1.508-10	1.067-08	5.099-01	1.503-01	3.134-03	4.438-05	1.252-05
-2.4	3.294-10	8.838-05	1.116-10	8.576-09	5.530-01	1.601-01	3.382-03	5.331-05	1.293-05
-2.2	2.160-10	8.213-05	8.249-11	6.891-09	5.910-01	1.687-01	3.600-03	6.405-05	1.326-05
-2.0	1.413-10	7.505-05	5.968-11	5.539-09	6.239-01	1.761-01	3.789-03	7.651-05	1.359-05
-1.8	9.234-11	6.747-05	4.222-11	4.452-09	6.520-01	1.824-01	3.951-03	8.498-05	1.386-05
-1.6	6.028-11	5.974-05	2.983-11	3.577-09	6.754-01	1.876-01	4.088-03	9.516-05	1.409-05
-1.4	3.936-11	5.215-05	2.086-11	2.874-09	6.947-01	1.920-01	4.203-03	1.048-04	1.428-05
-1.2	2.572-11	4.496-05	1.446-11	2.310-09	7.102-01	1.956-01	4.300-03	1.137-04	1.444-05
-1.0	1.684-11	3.834-05	9.951-12	1.857-09	7.221-01	1.987-01	4.383-03	1.218-04	1.459-05
-.8	1.106-11	3.240-05	6.811-12	1.495-09	7.305-01	2.014-01	4.455-03	1.290-04	1.473-05
-.6	7.302-12	2.717-05	4.645-12	1.206-09	7.355-01	2.039-01	4.522-03	1.353-04	1.486-05
-.4	4.849-12	2.266-05	3.164-12	9.761-10	7.355-01	2.060-01	4.588-03	1.408-04	1.501-05
-.2	3.247-12	1.883-05	2.157-12	7.930-10	7.330-01	2.083-01	4.660-03	1.456-04	1.519-05
.0	2.198-12	1.559-05	1.474-12	6.477-10	7.239-01	2.109-01	4.743-03	1.497-04	1.542-05
.2	1.507-12	1.288-05	1.012-12	5.324-10	7.080-01	2.139-01	4.846-03	1.530-04	1.572-05
.4	1.049-12	1.061-05	6.968-13	4.414-10	6.842-01	2.174-01	4.974-03	1.554-04	1.610-05
.6	7.431-13	8.698-06	4.810-13	3.688-10	6.519-01	2.213-01	5.133-03	1.564-04	1.659-05
.8	5.367-13	7.052-06	3.320-13	3.105-10	6.112-01	2.255-01	5.325-03	1.550-04	1.719-05
1.0	3.969-13	5.632-06	2.284-13	2.633-10	5.631-01	2.295-01	5.547-03	1.503-04	1.783-05
1.2	3.030-13	4.406-06	1.569-13	2.250-10	5.095-01	2.326-01	5.796-03	1.414-04	1.848-05
1.4	2.426-13	3.372-06	1.086-13	1.941-10	4.526-01	2.341-01	6.064-03	1.279-04	1.954-05
1.6	2.096-13	2.538-06	7.740-14	1.7[illegible]-10	3.945-01	2.332-01	6.346-03	1.106-04	2.044-05
1.8	2.056-13	1.909-06	5.965-14	1.533-10	3.373-01	2.290-01	6.637-03	9.106-05	2.137-05
2.0	2.519-13	1.483-06	5.468-14	1.450-10	2.822-01	2.207-01	6.932-03	7.136-05	2.232-05
2.2	4.834-13	1.278-06	7.486-14	1.517-10	2.303-01	2.070-01	7.229-03	5.330-05	2.328-05

T= 11800

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	4.998-01	3.98014+00	4.30106+01	4.69907+01	1.27753+02	-4.76437+00	3.98055+00
-6.8	4.997-01	3.97835+00	4.29921+01	4.69711+01	1.25902+02	-4.56450+00	3.97947+00
-6.6	4.995-01	3.97721+00	4.29860+01	4.69433+01	1.24044+02	-4.36469+00	3.97786+00
-6.4	4.992-01	3.97457+00	4.29270+01	4.69016+01	1.22174+02	-4.16497+00	3.97538+00
-6.2	4.987-01	3.97050+00	4.28669+01	4.68374+01	1.20286+02	-3.96542+00	3.97152+00
-6.0	4.979-01	3.96422+00	4.27737+01	4.67375+01	1.18364+02	-3.76611+00	3.96550+00
-5.8	4.967-01	3.95453+00	4.26291+01	4.65836+01	1.16396+02	-3.56717+00	3.95613+00
-5.6	4.949-01	3.93967+00	4.24064+01	4.63461+01	1.14355+02	-3.36880+00	3.94167+00
-5.4	4.921-01	3.91716+00	4.20676+01	4.59846+01	1.12207+02	-3.17129+00	3.91963+00
-5.2	4.878-01	3.88369+00	4.15620+01	4.54457+01	1.09904+02	-2.97502+00	3.88672+00
-5.0	4.814-01	3.83524+00	4.04280+01	4.46633+01	1.07392+02	-2.78047+00	3.83891+00
-4.8	4.722-01	3.76768+00	3.98021+01	4.35698+01	1.04615+02	-2.58819+00	3.77205+00
-4.6	4.594-01	3.67788+00	3.84356+01	4.21134+01	1.01533+02	-2.39867+00	3.68297+00
-4.4	4.424-01	3.56509+00	3.67160+01	4.02810+01	9.81452+01	-2.21220+00	3.57087+00
-4.2	4.209-01	3.43190+00	3.46824+01	3.81143+01	9.44998+01	-2.02873+00	3.43829+00
-4.0	3.950-01	3.28418+00	3.24236+01	3.57077+01	9.06942+01	-1.84784+00	3.29103+00
-3.8	3.653-01	3.12969+00	3.00580+01	3.31877+01	8.68517+01	-1.66876+00	3.13682+00
-3.6	3.327-01	2.97630+00	2.77067+01	3.06830+01	8.30943+01	-1.49059+00	2.98354+00
-3.4	2.994-01	2.83063+00	2.54768+01	2.83014+01	7.95219+01	-1.31238+00	2.83781+00
-3.2	2.638-01	2.69722+00	2.34210+01	2.61182+01	7.61998+01	-1.13335+00	2.70421+00
-3.0	2.299-01	2.57858+00	2.15962+01	2.41768+01	7.31699+01	-9.52880-01	2.58527+00
-2.8	1.978-01	2.47551+00	2.00094+01	2.24849+01	7.04111+01	-7.70600-01	2.48183+00
-2.6	1.683-01	2.38760+00	1.86548+01	2.10424+01	6.79374+01	-5.86300-01	2.39351+00
-2.4	1.417-01	2.31369+00	1.75151+01	1.98287+01	6.57157+01	-3.99960-01	2.31917+00
-2.2	1.182-01	2.25222+00	1.65666+01	1.88188+01	6.37164+01	-2.11650-01	2.25726+00
-2.0	9.788-02	2.20148+00	1.57837+01	1.79852+01	6.19086+01	-2.15500-02	2.20610+00
-1.8	8.055-02	2.15980+00	1.51410+01	1.73009+01	6.02618+01	1.70150-01	2.16400+00
-1.6	6.596-02	2.12558+00	1.46146+01	1.67402+01	5.87489+01	3.63210-01	2.12937+00
-1.4	5.379-02	2.09733+00	1.41824+01	1.62797+01	5.73446+01	5.57400-01	2.10073+00
-1.2	4.374-02	2.07364+00	1.38245+01	1.58981+01	5.60264+01	7.52470-01	2.07684+00
-1.0	3.549-02	2.05323+00	1.35222+01	1.55754+01	5.47740+01	9.49170-01	2.05545+00
-.8	2.877-02	2.03469+00	1.32573+01	1.52920+01	5.35677+01	1.14623+00	2.03688+00
-.6	2.331-02	2.01653+00	1.30114+01	1.50280+01	5.23892+01	1.34034+00	2.01823+00
-.4	1.891-02	1.99707+00	1.27644+01	1.47615+01	5.12179+01	1.53613+00	1.99816+00
-.2	1.538-02	1.97439+00	1.24943+01	1.44687+01	5.00332+01	1.73117+00	1.97467+00
.0	1.255-02	1.94643+00	1.21779+01	1.41243+01	4.88138+01	1.92497+00	1.94557+00
.2	1.029-02	1.91128+00	1.17934+01	1.37052+01	4.75412+01	2.11706+00	1.90880+00
.4	8.504-03	1.86780+00	1.13280+01	1.31958+01	4.62048+01	2.30707+00	1.86296+00
.6	7.089-03	1.81617+00	1.07787+01	1.25946+01	4.48070+01	2.49489+00	1.80787+00
.8	5.973-03	1.75825+00	1.01599+01	1.19181+01	4.33650+01	2.68082+00	1.74485+00
1.0	5.092-03	1.69738+00	9.49773+00	1.11951+01	4.19071+01	2.86551+00	1.67645+00
1.2	4.397-03	1.63792+00	8.82397+00	1.04418+01	4.04556+01	3.05000+00	1.60573+00
1.4	3.851-03	1.58421+00	8.16796+00	9.75217+00	3.90680+01	3.23555+00	1.53550+00
1.6	3.429-03	1.54141+00	7.55200+00	9.09361+00	3.77329+01	3.42365+00	1.46783+00
1.8	3.123-03	1.51481+00	6.99005+00	8.50486+00	3.66680+01	3.61609+00	1.40391+00
2.0	2.962-03	1.51104+00	6.48934+00	8.00036+00	3.52716+01	3.81501+00	1.34417+00
2.2	3.076-03	1.53857+00	6.05496+00	7.59353+00	3.41364+01	4.02285+00	1.29855+00

T= 11900

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.906-16	3.703-18	8.441-17	2.065-20	.000+00	1.363-31	2.206-31	9.310-13	2.201-14
-6.8	2.983-15	1.471-17	3.362-16	8.236-20	.000+00	1.359-30	2.200-30	2.336-12	5.518-14
-6.6	1.185-14	5.835-17	1.334-15	3.277-19	.000+00	1.352-29	2.190-29	5.859-12	1.383-13
-6.4	4.697-14	2.310-16	5.287-15	1.301-18	.000+00	1.342-28	2.175-28	1.468-11	3.459-13
-6.2	1.859-13	9.123-16	2.090-14	5.155-18	.000+00	1.326-27	2.152-27	3.672-11	8.636-13
-6.0	7.329-13	3.586-15	8.228-14	2.035-17	.000+00	1.303-26	2.116-26	9.164-11	2.148-12
-5.8	2.875-12	1.400-14	3.220-13	7.992-17	.000+00	1.267-25	2.063-25	2.279-10	5.317-12
-5.6	1.119-11	5.409-14	1.249-12	3.115-16	.000+00	1.213-24	1.984-24	5.639-10	1.305-11
-5.4	4.305-11	2.056-13	4.775-12	1.200-15	.000+00	1.136-23	1.868-23	1.383-09	3.165-11
-5.2	1.627-10	7.634-13	1.783-11	4.550-15	.000+00	1.028-22	1.706-22	3.352-09	7.537-11
-5.0	5.993-10	2.741-12	6.505-11	1.684-14	.000+00	8.874-22	1.491-21	7.981-09	1.749-10
-4.8	2.131-09	9.404-12	2.272-10	6.033-14	.000+00	7.169-21	1.227-20	1.854-08	3.920-10
-4.6	7.234-09	3.042-11	7.529-10	2.072-13	.000+00	5.320-20	9.329-20	4.169-08	8.400-10
-4.4	2.318-08	9.173-11	2.340-09	6.762-13	.000+00	3.564-19	6.439-19	8.999-08	1.706-09
-4.2	6.951-08	2.559-10	6.769-09	2.083-12	.000+00	2.129-18	3.988-18	1.853-07	3.268-09
-4.0	1.940-07	6.524-10	1.815-08	6.036-12	.000+00	1.129-17	2.202-17	3.621-07	5.897-09
-3.8	5.034-07	1.576-09	4.518-08	1.667-11	.000+00	5.342-17	1.086-16	6.711-07	1.006-08
-3.6	1.218-06	3.509-09	1.049-07	4.242-11	.000+00	2.274-16	4.816-16	1.161-06	1.630-08
-3.4	2.762-06	7.368-09	2.255-07	1.037-10	.000+00	8.829-16	1.943-15	1.980-06	2.530-08
-3.2	5.912-06	1.471-08	4.733-07	2.414-10	.000+00	3.167-15	7.218-15	3.176-06	3.785-08
-3.0	1.203-05	2.815-08	9.339-07	5.384-10	.000+00	1.064-14	2.500-14	4.931-06	5.494-08
-2.8	2.344-05	5.202-08	1.772-06	1.154-09	.000+00	3.383-14	8.161-14	7.311-06	7.776-08
-2.6	4.400-05	9.343-08	3.254-06	2.389-09	.000+00	1.029-13	2.537-13	1.060-05	1.078-07
-2.4	8.008-05	1.639-07	5.814-06	4.782-09	.000+00	3.014-13	7.574-13	1.499-05	1.469-07
-2.2	1.420-04	2.820-07	1.016-05	9.293-09	.000+00	8.574-13	2.187-12	2.076-05	1.975-07
-2.0	2.465-04	4.776-07	1.741-05	1.758-08	.000+00	2.380-12	6.145-12	2.828-05	2.626-07
-1.8	4.203-04	7.986-07	2.940-05	3.243-08	.000+00	6.476-12	1.688-11	3.799-05	3.458-07
-1.6	7.061-04	1.321-06	4.903-05	5.853-08	.000+00	1.734-11	4.555-11	5.043-05	4.522-07
-1.4	1.172-03	2.168-06	8.084-05	1.035-07	.000+00	4.581-11	1.210-10	6.630-05	5.879-07
-1.2	1.923-03	3.534-06	1.323-04	1.800-07	.000+00	1.197-10	3.173-10	8.644-05	7.610-07
-1.0	3.127-03	5.729-06	2.148-04	3.082-07	.000+00	3.100-10	8.227-10	1.119-04	9.820-07
-.8	5.039-03	9.247-06	3.464-04	5.206-07	.000+00	7.960-10	2.110-09	1.438-04	1.265-06
-.6	8.041-03	1.488-05	5.551-04	8.697-07	.000+00	2.028-09	5.352-09	1.835-04	1.627-06
-.4	1.269-02	2.388-05	8.835-04	1.439-06	.000+00	5.128-09	1.340-08	2.320-04	2.093-06
-.2	1.976-02	3.828-05	1.396-03	2.361-06	.000+00	1.285-08	3.307-08	2.902-04	2.695-06
.0	3.023-02	6.130-05	2.184-03	3.945-06	.000+00	3.198-08	8.001-08	3.577-04	3.478-06
.2	4.523-02	9.811-05	3.380-03	6.215-06	.000+00	7.811-08	1.889-07	4.327-04	4.502-06
.4	6.584-02	1.570-04	5.158-03	9.960-06	.000+00	1.885-07	4.326-07	5.109-04	5.847-06
.6	9.278-02	2.509-04	7.739-03	1.578-05	.000+00	4.469-07	9.555-07	5.865-04	7.619-06
.8	1.261-01	3.959-04	1.139-02	2.458-05	.000+00	1.039-06	2.027-06	6.528-04	9.954-06
1.0	1.652-01	6.344-04	1.641-02	3.739-05	.000+00	2.370-06	4.123-06	7.049-04	1.303-05
1.2	2.087-01	9.987-04	2.313-02	5.506-05	.000+00	5.305-06	8.036-06	7.419-04	1.712-05
1.4	2.549-01	1.556-03	3.187-02	7.791-05	.000+00	1.171-05	1.503-05	7.682-04	2.266-05
1.6	3.019-01	2.391-03	4.293-02	1.052-04	.000+00	2.566-05	2.704-05	7.951-04	3.048-05
1.8	3.482-01	3.616-03	5.658-02	1.352-04	.000+00	5.650-05	4.690-05	8.425-04	4.242-05
2.0	3.925-01	5.368-03	7.294-02	1.659-04	.000+00	1.273-04	7.854-05	9.509-04	6.307-05
2.2	4.339-01	7.775-03	9.182-02	1.949-04	.000+00	3.003-04	1.269-04	1.235-03	1.071-04

T= 11900

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	5.415-29	1.956-12	5.414-17	4.376-13	3.920-01	8.152-05	1.053-01	3.315-07	2.336-03
-6.8	3.407-28	4.906-12	1.363-16	1.097-12	3.919-01	5.147-05	1.052-01	2.093-07	2.338-03
-6.6	2.140-27	1.230-11	3.426-16	2.750-12	3.919-01	3.251-05	1.052-01	1.321-07	2.340-03
-6.4	1.342-26	3.079-11	8.596-16	6.884-12	3.917-01	2.054-05	1.051-01	8.340-08	2.340-03
-6.2	8.383-26	7.693-11	2.153-15	1.720-11	3.915-01	1.298-05	1.049-01	5.266-08	2.339-03
-6.0	5.209-25	1.917-10	5.378-15	4.284-11	3.911-01	8.210-06	1.046-01	3.325-08	2.336-03
-5.8	3.209-24	4.756-10	1.339-14	1.062-10	3.905-01	5.199-06	1.042-01	2.101-08	2.332-03
-5.6	1.952-23	1.172-09	3.316-14	2.616-10	3.895-01	3.298-06	1.035-01	1.327-08	2.325-03
-5.4	1.164-22	2.853-09	8.152-14	6.372-10	3.880-01	2.097-06	1.025-01	8.391-09	2.313-03
-5.2	6.748-22	6.867-09	1.981-13	1.528-09	3.857-01	1.338-06	1.010-01	5.307-09	2.296-03
-5.0	3.753-21	1.614-08	4.740-13	3.587-09	3.822-01	8.580-07	9.885-02	3.360-09	2.270-03
-4.8	1.974-20	3.683-08	1.109-12	8.144-09	3.770-01	5.536-07	9.577-02	2.129-09	2.231-03
-4.6	9.655-20	8.085-08	2.524-12	1.779-08	3.695-01	3.600-07	9.164-02	1.352-09	2.177-03
-4.4	4.330-19	1.693-07	5.548-12	3.703-08	3.591-01	2.362-07	8.638-02	8.602-10	2.103-03
-4.2	1.764-18	3.362-07	1.173-11	7.303-08	3.452-01	1.562-07	8.011-02	5.489-10	2.007-03
-4.0	6.506-18	6.314-07	2.381-11	1.361-07	3.277-01	1.041-07	7.306-02	3.515-10	1.889-03
-3.8	2.181-17	1.122-06	4.640-11	2.407-07	3.066-01	6.979-08	6.557-02	2.260-10	1.752-03
-3.6	6.706-17	1.896-06	8.694-11	4.029-07	2.824-01	4.691-08	5.798-02	1.458-10	1.599-03
-3.4	1.912-16	3.058-06	1.570-10	6.457-07	2.561-01	3.156-08	5.058-02	9.437-11	1.437-03
-3.2	5.113-16	4.737-06	2.741-10	9.947-07	2.286-01	2.120-08	4.360-02	6.122-11	1.272-03
-3.0	1.296-15	7.089-06	4.636-10	1.481-06	2.010-01	1.420-08	3.718-02	3.977-11	1.110-03
-2.8	3.143-15	1.030-05	7.614-10	2.144-06	1.743-01	9.475-09	3.140-02	2.585-11	9.564-04
-2.6	7.354-15	1.460-05	1.216-09	3.030-06	1.492-01	6.297-09	2.629-02	1.680-11	8.143-04
-2.4	1.670-14	2.027-05	1.891-09	4.195-06	1.263-01	4.167-09	2.185-02	1.092-11	6.861-04
-2.2	3.704-14	2.767-05	2.872-09	5.714-06	1.059-01	2.748-09	1.804-02	7.090-12	5.730-04
-2.0	8.057-14	3.723-05	4.263-09	7.677-06	8.799-02	1.806-09	1.481-02	4.604-12	4.748-04
-1.8	1.725-13	4.952-05	6.196-09	1.020-05	7.262-02	1.184-09	1.211-02	2.990-12	3.911-04
-1.6	3.648-13	6.524-05	8.835-09	1.343-05	5.958-02	7.756-10	9.858-03	1.942-12	3.204-04
-1.4	7.638-13	8.529-05	1.238-08	1.757-05	4.865-02	5.071-10	8.004-03	1.263-12	2.615-04
-1.2	1.587-12	1.108-04	1.710-08	2.284-05	3.956-02	3.315-10	6.486-03	8.228-13	2.128-04
-1.0	3.277-12	1.432-04	2.330-08	2.958-05	3.207-02	2.168-10	5.249-03	5.374-13	1.729-04
-.8	6.737-12	1.842-04	3.141-08	3.820-05	2.591-02	1.420-10	4.249-03	3.521-13	1.403-04
-.6	1.361-11	2.360-04	4.195-08	4.924-05	2.088-02	9.306-11	3.435-03	2.318-13	1.139-04
-.4	2.824-11	3.010-04	5.563-08	6.344-05	1.678-02	6.110-11	2.784-03	1.535-13	9.264-05
-.2	5.771-11	3.819-04	7.335-08	8.176-05	1.343-02	4.017-11	2.262-03	1.024-13	7.558-05
.0	1.179-10	4.815-04	9.629-08	1.056-04	1.071-02	2.644-11	1.846-03	6.894-14	6.196-05
.2	2.413-10	6.021-04	1.259-07	1.367-04	8.482-03	1.741-11	1.511-03	4.644-14	5.113-05
.4	4.951-10	7.451-04	1.638-07	1.779-04	6.655-03	1.149-11	1.245-03	3.237-14	4.274-05
.6	1.019-09	9.100-04	2.117-07	2.328-04	5.187-03	7.529-12	1.032-03	2.265-14	3.572-05
.8	2.108-09	1.095-03	2.706-07	3.070-04	3.991-03	4.939-12	8.609-04	1.607-14	3.030-05
1.0	4.387-09	1.298-03	3.402-07	4.083-04	3.037-03	3.249-12	7.211-04	1.145-14	2.598-05
1.2	9.202-09	1.518-03	4.190-07	5.487-04	2.292-03	2.140-12	6.041-04	8.641-15	2.257-05
1.4	1.951-08	1.762-03	5.051-07	7.664-04	1.725-03	1.416-12	5.176-04	6.662-15	1.997-05
1.6	4.210-08	2.052-03	5.997-07	1.033-03	1.308-03	1.066-12	4.491-04	5.476-15	1.818-05
1.8	9.362-08	2.443-03	7.147-07	1.467-03	1.019-03	8.586-13	4.010-04	5.025-15	1.735-05
2.0	2.206-07	3.071-03	8.877-07	2.190-03	8.392-04	8.396-13	3.603-04	5.639-15	1.796-05
2.2	5.881-07	4.359-03	1.244-06	3.644-03	7.817-04	1.261-12	4.040-04	9.671-15	2.158-05

T= 11900

LOG C	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	9.045-06	8.212-05	7.652-07	6.295-06	2.936-04	1.145-04	1.699-06	7.215-09	1.251-06
-6.8	5.719-06	8.242-05	4.849-07	5.731-06	4.013-04	1.813-04	2.633-06	1.147-08	1.837-06
-6.6	3.614-06	8.282-05	3.071-07	5.029-06	6.353-04	2.866-04	4.267-06	1.811-08	2.511-06
-6.4	2.284-06	8.277-05	1.944-07	4.214-06	1.005-03	4.536-04	6.754-06	2.867-08	3.931-06
-6.2	1.444-06	8.230-05	1.231-07	3.354-06	1.539-03	7.162-04	1.069-05	4.573-08	5.195-06
-6.0	9.133-07	8.103-05	7.809-08	2.542-06	2.508-03	1.129-03	1.685-05	7.234-08	5.020-06
-5.8	5.782-07	8.319-05	4.962-08	1.941-06	3.950-03	1.773-03	2.654-05	1.144-07	5.736-06
-5.6	3.665-07	8.361-05	3.164-08	1.484-06	6.221-03	2.773-03	4.163-05	1.805-07	6.314-06
-5.4	2.328-07	8.374-05	2.027-08	8.795-07	9.634-03	4.305-03	6.494-05	2.849-07	6.748-06
-5.2	1.483-07	8.422-05	1.309-08	6.928-07	1.501-02	6.615-03	1.005-04	4.454-07	7.135-06
-5.0	9.498-08	8.492-05	8.541-09	5.983-07	2.301-02	1.001-02	1.537-04	6.969-07	7.356-06
-4.8	6.101-08	8.592-05	5.653-09	2.692-07	3.474-02	1.485-02	2.313-04	1.076-06	7.640-06
-4.6	3.943-08	8.729-05	3.811-09	1.944-07	5.141-02	2.145-02	3.407-04	1.551-06	7.901-06
-4.4	2.575-08	8.905-05	2.624-09	1.288-07	7.417-02	3.002-02	4.885-04	2.250-06	8.134-06
-4.2	1.691-08	9.117-05	1.848-09	9.211-08	1.039-01	4.055-02	6.791-04	3.224-06	8.335-06
-4.0	1.118-08	9.353-05	1.332-09	6.751-08	1.408-01	5.280-02	9.129-04	5.661-06	8.932-06
-3.8	7.424-09	9.581-05	9.781-10	5.064-08	1.844-01	6.635-02	1.145-03	7.941-06	9.382-06
-3.6	4.965-09	9.802-05	7.295-10	3.877-08	2.336-01	8.066-02	1.447-03	1.102-05	9.874-06
-3.4	3.297-09	9.993-05	5.495-10	3.016-08	2.865-01	9.522-02	1.808-03	1.513-05	1.039-05
-3.2	2.197-09	1.001-04	4.159-10	2.376-08	3.412-01	1.095-01	2.136-03	2.031-05	1.092-05
-3.0	1.460-09	9.947-05	3.148-10	1.887-08	3.956-01	1.231-01	2.459-03	2.661-05	1.144-05
-2.8	9.683-10	9.745-05	2.374-10	1.508-08	4.479-01	1.358-01	2.765-03	3.404-05	1.194-05
-2.6	6.399-10	9.369-05	1.777-10	1.209-08	4.947-01	1.473-01	3.050-03	4.253-05	1.240-05
-2.4	4.216-10	8.916-05	1.318-10	9.711-09	5.341-01	1.575-01	3.307-03	5.192-05	1.282-05
-2.2	2.770-10	8.314-05	9.670-11	7.806-09	5.806-01	1.664-01	3.535-03	6.147-05	1.319-05
-2.0	1.815-10	7.623-05	7.011-11	6.276-09	6.149-01	1.741-01	3.733-03	7.241-05	1.351-05
-1.8	1.198-10	6.876-05	5.024-11	5.045-09	6.443-01	1.807-01	3.903-03	8.291-05	1.379-05
-1.6	7.764-11	6.106-05	3.560-11	4.055-09	6.690-01	1.862-01	4.047-03	9.319-05	1.402-05
-1.4	5.076-11	5.345-05	2.436-11	3.259-09	6.894-01	1.906-01	4.168-03	1.029-04	1.423-05
-1.2	3.321-11	4.620-05	1.734-11	2.620-09	7.059-01	1.947-01	4.271-03	1.120-04	1.440-05
-1.0	2.177-11	3.969-05	1.196-11	2.107-09	7.187-01	1.979-01	4.354-03	1.203-04	1.455-05
-.8	1.431-11	3.363-05	8.205-12	1.687-09	7.280-01	2.007-01	4.434-03	1.276-04	1.469-05
-.6	9.454-12	2.809-05	5.606-12	1.369-09	7.339-01	2.031-01	4.503-03	1.341-04	1.483-05
-.4	6.283-12	2.346-05	3.827-12	1.108-09	7.359-01	2.054-01	4.570-03	1.398-04	1.498-05
-.2	4.210-12	1.951-05	2.614-12	8.995-10	7.334-01	2.077-01	4.641-03	1.447-04	1.515-05
.0	2.851-12	1.618-05	1.790-12	7.345-10	7.255-01	2.102-01	4.723-03	1.494-04	1.537-05
.2	1.956-12	1.339-05	1.231-12	6.037-10	7.110-01	2.131-01	4.822-03	1.524-04	1.565-05
.4	1.363-12	1.106-05	8.509-13	5.001-10	6.888-01	2.164-01	4.944-03	1.551-04	1.602-05
.6	9.672-13	9.087-06	5.904-13	4.178-10	6.591-01	2.203-01	5.103-03	1.564-04	1.650-05
.8	7.004-13	7.407-06	4.103-13	3.519-10	6.190-01	2.243-01	5.287-03	1.555-04	1.708-05
1.0	5.200-13	5.957-06	2.852-13	2.988-10	5.721-01	2.283-01	5.505-03	1.517-04	1.776-05
1.2	3.990-13	4.705-06	1.984-13	2.558-10	5.193-01	2.314-01	5.756-03	1.438-04	1.854-05
1.4	3.215-13	3.662-06	1.393-13	2.213-10	4.627-01	2.330-01	6.017-03	1.312-04	1.939-05
1.6	2.798-13	2.777-06	1.011-13	1.946-10	4.046-01	2.323-01	6.239-03	1.147-04	2.029-05
1.8	2.769-13	2.118-06	7.941-14	1.758-10	3.468-01	2.284-01	6.391-03	9.544-05	2.123-05
2.0	3.434-13	1.670-06	7.446-14	1.670-10	2.909-01	2.203-01	6.889-03	7.563-05	2.218-05
2.2	6.742-13	1.465-06	1.054-13	1.759-10	2.378-01	2.070-01	7.189-03	5.713-05	2.316-05

T= 11900

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	4.999-01	3.98043+00	4.27130+01	4.66934+01	1.27817+02	-4.76067+00	3.98083+00
-6.8	4.997-01	3.97933+00	4.26956+01	4.66746+01	1.25967+02	-4.56079+00	3.97986+00
-6.6	4.996-01	3.97775+00	4.26720+01	4.66497+01	1.24111+02	-4.36096+00	3.97839+00
-6.4	4.993-01	3.97539+00	4.26373+01	4.66127+01	1.22265+02	-4.16122+00	3.97620+00
-6.2	4.988-01	3.97177+00	4.25843+01	4.65561+01	1.20362+02	-3.96161+00	3.97279+00
-6.0	4.982-01	3.96620+00	4.25024+01	4.64686+01	1.18452+02	-3.76222+00	3.96747+00
-5.8	4.971-01	3.95759+00	4.23754+01	4.63330+01	1.16501+02	-3.56317+00	3.95918+00
-5.6	4.955-01	3.94438+00	4.21793+01	4.61237+01	1.14465+02	-3.36462+00	3.94636+00
-5.4	4.930-01	3.92422+00	4.18799+01	4.58042+01	1.12373+02	-3.16684+00	3.92674+00
-5.2	4.891-01	3.89424+00	4.14302+01	4.53245+01	1.10123+02	-2.97018+00	3.89725+00
-5.0	4.834-01	3.85038+00	4.07719+01	4.46223+01	1.07681+02	-2.77510+00	3.85405+00
-4.8	4.751-01	3.78854+00	3.98611+01	4.36297+01	1.04990+02	-2.58213+00	3.79293+00
-4.6	4.634-01	3.70516+00	3.85834+01	4.22986+01	1.02006+02	-2.39179+00	3.71031+00
-4.4	4.477-01	3.59870+00	3.69743+01	4.05730+01	9.87145+01	-2.20465+00	3.60462+00
-4.2	4.274-01	3.47079+00	3.50377+01	3.85085+01	9.51493+01	-2.02017+00	3.47735+00
-4.0	4.028-01	3.32645+00	3.28691+01	3.61756+01	9.13952+01	-1.83862+00	3.33355+00
-3.8	3.740-01	3.17309+00	3.05203+01	3.36534+01	8.75696+01	-1.65912+00	3.18054+00
-3.6	3.421-01	3.01870+00	2.81732+01	3.11916+01	8.37967+01	-1.48078+00	3.02632+00
-3.4	3.082-01	2.87037+00	2.59151+01	2.87855+01	8.01830+01	-1.30266+00	2.87797+00
-3.2	2.736-01	2.73323+00	2.38250+01	2.65582+01	7.68032+01	-1.12392+00	2.74066+00
-3.0	2.394-01	2.61033+00	2.19502+01	2.45403+01	7.36985+01	-9.43900-01	2.61748+00
-2.8	2.067-01	2.50291+00	2.03099+01	2.28125+01	7.09813+01	-7.62150-01	2.50970+00
-2.6	1.764-01	2.41085+00	1.89024+01	2.13132+01	6.83434+01	-5.78630-01	2.41722+00
-2.4	1.489-01	2.33317+00	1.77138+01	2.00470+01	6.60631+01	-3.92650-01	2.33908+00
-2.2	1.246-01	2.26837+00	1.67219+01	1.89602+01	6.40121+01	-2.04890-01	2.27382+00
-2.0	1.034-01	2.21479+00	1.59013+01	1.81161+01	6.21597+01	-1.52700-02	2.21978+00
-1.8	8.527-02	2.17021+00	1.52267+01	1.73974+01	6.04756+01	1.76000-01	2.17526+00
-1.6	6.993-02	2.13452+00	1.46737+01	1.68083+01	5.89316+01	3.68700-01	2.13944+00
-1.4	5.710-02	2.10668+00	1.42220+01	1.63247+01	5.75021+01	5.62590-01	2.10839+00
-1.2	4.648-02	2.07379+00	1.38452+01	1.59225+01	5.61639+01	7.57420-01	2.08308+00
-1.0	3.775-02	2.05848+00	1.35352+01	1.55887+01	5.48962+01	9.52950-01	2.06135+00
-.8	3.062-02	2.03937+00	1.32569+01	1.52962+01	5.36793+01	1.14890+00	2.04180+00
-.6	2.483-02	2.02101+00	1.30067+01	1.50277+01	5.24962+01	1.34497+00	2.02292+00
-.4	2.015-02	2.00173+00	1.27600+01	1.47817+01	5.13212+01	1.54081+00	2.00301+00
-.2	1.638-02	1.97365+00	1.24951+01	1.44768+01	5.01395+01	1.73599+00	1.98010+00
.0	1.337-02	1.95270+00	1.21990+01	1.41417+01	4.89277+01	1.93006+00	1.95231+00
.2	1.096-02	1.91834+00	1.18197+01	1.37386+01	4.76664+01	2.12246+00	1.91660+00
.4	9.048-03	1.87701+00	1.13712+01	1.32482+01	4.63437+01	2.31287+00	1.87229+00
.6	7.535-03	1.82484+00	1.08391+01	1.26660+01	4.49586+01	2.50111+00	1.81864+00
.8	6.340-03	1.77005+00	1.02345+01	1.20046+01	4.35257+01	2.68739+00	1.75668+00
1.0	5.338-03	1.70974+00	9.58156+00	1.12913+01	4.20714+01	2.87233+00	1.68877+00
1.2	4.455-03	1.65[14+00	8.91118+00	1.05414+01	4.06276+01	3.05693+00	1.61736+00
1.4	4.073-03	1.[3[3[+00	8.25343+00	9.84967+00	3.92227+01	3.24244+00	1.54707+00
1.6	3.623-03	1.55247+00	7.63195+00	9.19432+00	3.78763+01	3.43048+00	1.47841+00
1.8	3.301-03	1.52[7+00	7.06222+00	8.59499+00	3.65994+01	3.62259+00	1.41328+00
2.0	3.135-03	1.[1977+00	6.55286+00	8.07262+00	3.53901+01	3.82118+00	1.35226+00
2.2	3.271-03	1.54599+00	6.11023+00	7.65621+00	3.42430+01	4.02880+00	1.29560+00

T= 12000

LOG D	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	5.359-16	2.788-18	6.241-17	1.502-20	.000+00	8.683-32	1.373-31	7.662-13	1.855-14
-6.8	2.130-15	1.108-17	2.480-16	5.953-20	.000+00	8.657-31	1.369-30	1.923-12	4.651-14
-6.6	8.461-15	4.395-17	9.847-16	2.307-19	.000+00	8.618-30	1.363-29	4.823-12	1.166-13
-6.4	3.357-14	1.741-16	3.904-15	9.406-19	.000+00	8.560-29	1.353-28	1.209-11	2.918-13
-6.2	1.329-13	6.882-16	1.544-14	3.760-18	.000+00	8.471-28	1.342-27	3.025-11	7.289-13
-6.0	5.246-13	2.709-15	6.087-14	1.430-17	.000+00	8.336-27	1.323-26	7.556-11	1.815-12
-5.8	2.062-12	1.060-14	2.387-13	5.844-17	.000+00	8.131-26	1.293-25	1.881-10	4.500-12
-5.6	8.044-12	4.107-14	9.281-13	2.253-16	.000+00	7.825-25	1.249-24	4.661-10	1.107-11
-5.4	3.106-11	1.569-13	3.565-12	8.829-16	.000+00	7.378-24	1.184-23	1.147-09	2.696-11
-5.2	1.180-10	5.869-13	1.344-11	3.363-15	.000+00	6.749-23	1.091-22	2.789-09	6.455-11
-5.0	4.381-10	2.129-12	4.932-11	1.254-14	.000+00	5.910-22	9.666-22	6.478-09	1.510-10
-4.8	1.575-09	7.404-12	1.744-10	4.535-14	.000+00	4.870-21	8.098-21	1.563-08	3.619-10
-4.6	5.420-09	2.437-11	5.868-10	1.577-13	.000+00	3.705-20	6.301-20	3.569-08	7.423-10
-4.4	1.767-08	7.495-11	1.858-09	5.221-13	.000+00	2.556-19	4.474-19	7.754-08	1.531-09
-4.2	5.399-08	2.137-10	5.464-09	1.654-12	.000+00	1.576-18	2.857-18	1.618-07	2.980-09
-4.0	1.537-07	5.624-10	1.501-08	4.812-12	.000+00	8.637-18	1.628-17	3.210-07	5.464-09
-3.8	4.070-07	1.370-09	3.813-08	1.334-11	.000+00	4.212-17	8.278-17	6.037-07	9.456-09
-3.6	1.003-06	3.108-09	9.018-08	3.486-11	.000+00	1.843-16	3.776-16	1.078-06	1.553-08
-3.4	2.315-06	6.626-09	2.060-07	8.632-11	.000+00	7.328-16	1.562-15	1.830-06	2.437-08
-3.2	5.032-06	1.340-08	4.193-07	2.034-10	.000+00	2.683-15	5.929-15	2.971-06	3.680-08
-3.0	1.033-05	2.591-08	8.373-07	4.554-10	.000+00	9.164-15	2.091-14	4.632-06	5.383-08
-2.8	2.045-05	4.832-08	1.605-06	9.919-10	.000+00	2.955-14	6.931-14	6.974-06	7.667-08
-2.6	3.876-05	8.741-08	2.972-06	2.059-09	.000+00	9.088-14	2.182-13	1.017-05	1.069-07
-2.4	7.112-05	1.542-07	5.348-06	4.173-09	.000+00	2.668-13	6.582-13	1.450-05	1.463-07
-2.2	1.270-04	2.667-07	9.397-06	8.162-09	.000+00	7.705-13	1.917-12	2.020-05	1.974-07
-2.0	2.217-04	4.535-07	1.619-05	1.553-08	.000+00	2.152-12	5.424-12	2.765-05	2.632-07
-1.8	3.797-04	7.607-07	2.744-05	2.880-08	.000+00	5.885-12	1.499-11	3.727-05	3.475-07
-1.6	6.403-04	1.262-06	4.590-05	5.220-08	.000+00	1.582-11	4.063-11	4.964-05	4.553-07
-1.4	1.066-03	2.075-06	7.594-05	9.271-08	.000+00	4.195-11	1.084-10	6.545-05	5.929-07
-1.2	1.755-03	3.388-06	1.245-04	1.617-07	.000+00	1.099-10	2.851-10	8.554-05	7.686-07
-1.0	2.860-03	5.500-06	2.025-04	2.777-07	.000+00	2.853-10	7.413-10	1.110-04	9.929-07
-.8	4.618-03	8.887-06	3.271-04	4.703-07	.000+00	7.340-10	1.906-09	1.429-04	1.280-06
-.6	7.386-03	1.431-05	5.249-04	7.873-07	.000+00	1.874-09	4.847-09	1.827-04	1.648-06
-.4	1.169-02	2.298-05	8.368-04	1.305-06	.000+00	4.746-09	1.218-08	2.317-04	2.121-06
-.2	1.825-02	3.685-05	1.324-03	2.144-06	.000+00	1.192-08	3.043-08	2.907-04	2.732-06
.0	2.803-02	5.901-05	2.076-03	3.497-06	.000+00	2.963-08	7.521-08	3.597-04	3.527-06
.2	4.213-02	9.445-05	3.220-03	5.661-06	.000+00	7.279-08	1.737-07	4.372-04	4.566-06
.4	6.166-02	1.511-04	4.927-03	9.089-06	.000+00	1.762-07	4.001-07	5.194-04	5.933-06
.6	8.744-02	2.414-04	7.415-03	1.443-05	.000+00	4.192-07	8.897-07	6.005-04	7.735-06
.8	1.197-01	3.849-04	1.095-02	2.257-05	.000+00	9.786-07	1.901-06	6.737-04	1.012-05
1.0	1.579-01	6.107-04	1.583-02	3.452-05	.000+00	2.240-06	3.895-06	7.336-04	1.328-05
1.2	2.007-01	9.621-04	2.240-02	5.121-05	.000+00	5.037-06	7.645-06	7.787-04	1.749-05
1.4	2.466-01	1.500-03	3.097-02	7.397-05	.000+00	1.116-05	1.439-05	8.131-04	2.322-05
1.6	2.937-01	2.309-03	4.186-02	9.964-05	.000+00	2.456-05	2.605-05	8.483-04	3.137-05
1.8	3.404-01	3.497-03	5.535-02	1.294-04	.000+00	5.430-05	4.542-05	9.058-04	4.385-05
2.0	3.853-01	5.201-03	7.156-02	1.602-04	.000+00	1.227-04	7.643-05	1.030-03	6.555-05
2.2	4.275-01	7.544-03	9.032-02	1.899-04	.000+00	2.905-04	1.240-04	1.351-03	1.122-04

T= 12000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	4.156-29	1.572-12	4.467-17	3.804-13	3.919-01	1.048-04	1.053-01	4.460-07	2.333-03
-6.8	2.615-28	3.943-12	1.126-16	9.552-13	3.919-01	6.621-05	1.053-01	2.815-07	2.337-03
-6.6	1.644-27	9.886-12	2.831-16	2.395-12	3.919-01	4.181-05	1.052-01	1.777-07	2.339-03
-6.4	1.031-26	2.476-11	7.106-16	5.996-12	3.918-01	2.641-05	1.051-01	1.122-07	2.340-03
-6.2	6.450-26	6.191-11	1.781-15	1.499-11	3.916-01	1.669-05	1.050-01	7.084-08	2.339-03
-6.0	4.014-25	1.544-10	4.452-15	3.737-11	3.912-01	1.056-05	1.047-01	4.474-08	2.337-03
-5.8	2.480-24	3.836-10	1.110-14	9.280-11	3.907-01	6.683-06	1.043-01	2.826-08	2.334-03
-5.6	1.514-23	9.472-10	2.753-14	2.290-10	3.898-01	4.237-06	1.038-01	1.785-08	2.327-03
-5.4	9.088-23	2.318-09	6.782-14	5.597-10	3.885-01	2.692-06	1.029-01	1.129-08	2.318-03
-5.2	5.314-22	5.594-09	1.654-13	1.349-09	3.865-01	1.716-06	1.015-01	7.138-09	2.303-03
-5.0	2.993-21	1.324-08	3.976-13	3.184-09	3.833-01	1.099-06	9.952-02	4.518-09	2.280-03
-4.8	1.601-20	3.046-08	9.366-13	7.306-09	3.786-01	7.079-07	9.673-02	2.862-09	2.246-03
-4.6	7.997-20	6.767-08	2.148-12	1.615-08	3.719-01	4.594-07	9.286-02	1.816-09	2.197-03
-4.4	3.677-19	1.436-07	4.768-12	3.408-08	3.623-01	3.007-07	8.790-02	1.155-09	2.130-03
-4.2	1.539-18	2.895-07	1.019-11	6.823-08	3.495-01	1.985-07	8.189-02	7.365-10	2.042-03
-4.0	5.829-18	5.521-07	2.091-11	1.292-07	3.330-01	1.321-07	7.501-02	4.712-10	1.931-03
-3.8	2.005-17	9.962-07	4.117-11	2.313-07	3.129-01	8.844-08	6.761-02	3.026-10	1.800-03
-3.6	6.304-17	1.706-06	7.790-11	3.932-07	2.895-01	5.944-08	6.001-02	1.951-10	1.652-03
-3.4	1.833-16	2.784-06	1.420-10	6.376-07	2.637-01	4.000-08	5.254-02	1.262-10	1.493-03
-3.2	4.982-16	4.360-06	2.499-10	9.925-07	2.364-01	2.689-08	4.543-02	8.183-11	1.328-03
-3.0	1.280-15	6.583-06	4.258-10	1.491-06	2.087-01	1.804-08	3.885-02	5.316-11	1.164-03
-2.8	3.140-15	9.640-06	7.038-10	2.174-06	1.817-01	1.206-08	3.289-02	3.456-11	1.007-03
-2.6	7.416-15	1.375-05	1.131-09	3.092-06	1.561-01	8.026-09	2.761-02	2.248-11	8.611-04
-2.4	1.697-14	1.920-05	1.770-09	4.304-06	1.325-01	5.321-09	2.299-02	1.461-11	7.280-04
-2.2	3.788-14	2.633-05	2.702-09	5.889-06	1.114-01	3.515-09	1.902-02	9.499-12	6.098-04
-2.0	8.280-14	3.556-05	4.029-09	7.941-06	9.283-02	2.314-09	1.564-02	6.173-12	5.066-04
-1.8	1.780-13	4.745-05	5.882-09	1.058-05	7.677-02	1.520-09	1.280-02	4.012-12	4.181-04
-1.6	3.778-13	6.268-05	8.421-09	1.397-05	6.310-02	9.963-10	1.043-02	2.609-12	3.432-04
-1.4	7.932-13	8.213-05	1.184-08	1.831-05	5.160-02	6.524-10	8.481-03	1.698-12	2.805-04
-1.2	1.652-12	1.069-04	1.641-08	2.385-05	4.202-02	4.271-10	6.877-03	1.107-12	2.286-04
-1.0	3.417-12	1.384-04	2.242-08	3.093-05	3.410-02	2.797-10	5.569-03	7.234-13	1.849-04
-.8	7.035-12	1.783-04	3.029-08	3.999-05	2.759-02	1.834-10	4.507-03	4.744-13	1.510-04
-.6	1.444-11	2.287-04	4.054-08	5.159-05	2.226-02	1.204-10	3.649-03	3.125-13	1.226-04
-.4	2.955-11	2.921-04	5.385-08	6.651-05	1.791-02	7.917-11	2.958-03	2.071-13	9.977-05
-.2	6.043-11	3.713-04	7.112-08	8.576-05	1.436-02	5.216-11	2.403-03	1.382-13	8.140-05
.0	1.236-10	4.692-04	9.350-08	1.107-04	1.146-02	3.442-11	1.959-03	9.313-14	6.673-05
.2	2.529-10	5.882-04	1.225-07	1.434-04	9.100-03	2.273-11	1.605-03	6.346-14	5.505-05
.4	5.189-10	7.302-04	1.597-07	1.865-04	7.172-03	1.502-11	1.323-03	4.382-14	4.579-05
.6	1.068-09	8.952-04	2.071-07	2.440-04	5.600-03	9.916-12	1.097-03	3.071-14	3.845-05
.8	2.209-09	1.082-03	2.660-07	3.215-04	4.327-03	6.549-12	9.151-04	2.189-14	3.263-05
1.0	4.595-09	1.289-03	3.368-07	4.272-04	3.309-03	4.340-12	7.680-04	1.590-14	2.801-05
1.2	9.635-09	1.516-03	4.187-07	5.736-04	2.509-03	2.910-12	6.490-04	1.186-14	2.438-05
1.4	2.043-08	1.770-03	5.104-07	7.799-04	1.899-03	2.006-12	5.540-04	9.207-15	2.162-05
1.6	4.411-08	2.075-03	6.137-07	1.079-03	1.448-03	1.464-12	4.814-04	7.626-15	1.974-05
1.8	9.821-08	2.489-03	7.411-07	1.534-03	1.133-03	1.188-12	4.322-04	7.064-15	1.890-05
2.0	2.321-07	3.142-03	9.328-07	2.294-03	9.388-04	1.182-12	4.124-04	8.031-15	1.962-05
2.2	6.219-07	4.496-03	1.326-06	3.835-03	8.813-04	1.823-12	4.457-04	1.410-14	2.375-05

T= 12CCC

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.147-05	8.194-05	9.428-07	6.468-06	2.231-06	1.011-04	1.476-06	6.498-09	1.067-06
-6.8	7.253-06	8.230-05	5.979-07	5.976-06	3.534-06	1.601-04	2.342-06	1.034-08	1.562-06
-6.6	4.585-06	8.254-05	3.788-07	5.533-06	5.595-06	2.533-04	3.712-06	1.642-08	2.207-06
-6.4	2.898-06	8.271-05	2.398-07	4.559-06	8.853-06	4.006-04	5.877-06	2.604-08	2.986-06
-6.2	1.832-06	8.285-05	1.519-07	3.707-06	1.400-05	6.329-04	9.295-06	4.125-08	3.842-06
-6.0	1.159-06	8.298-05	9.630-08	2.865-06	2.211-05	9.980-04	1.469-05	6.532-08	4.693-06
-5.8	7.336-07	8.313-05	6.116-08	2.112-06	3.494-05	1.569-03	2.313-05	1.033-07	5.650-06
-5.6	4.648-07	8.333-05	3.895-08	1.498-06	5.475-05	2.458-03	3.633-05	1.630-07	6.836-06
-5.4	2.951-07	8.362-05	2.492-08	1.032-06	8.563-05	3.824-03	5.678-05	2.568-07	6.495-06
-5.2	1.879-07	8.405-05	1.605-08	6.995-07	1.330-04	5.895-03	8.811-05	4.031-07	6.940-06
-5.0	1.201-07	8.468-05	1.044-08	4.708-07	2.047-04	8.963-03	1.353-04	6.299-07	7.286-06
-4.8	7.713-08	8.559-05	6.882-09	3.178-07	3.104-04	1.337-02	2.044-04	9.776-07	7.552-06
-4.6	4.967-08	8.684-05	4.614-09	2.169-07	4.621-04	1.947-02	3.035-04	1.504-06	7.814-06
-4.4	3.247-08	8.847-05	3.158-09	1.507-07	6.717-04	2.749-02	4.389-04	2.245-06	8.170-06
-4.2	2.131-08	9.047-05	2.210-09	1.071-07	9.447-04	3.750-02	6.160-04	3.422-06	8.629-06
-4.0	1.408-08	9.275-05	1.592-09	7.800-08	1.298-03	4.932-02	8.365-04	5.036-06	9.812-06
-3.8	9.349-09	9.510-05	1.156-09	5.817-08	1.716-03	6.256-02	1.097-03	7.258-06	9.749-06
-3.6	6.232-09	9.726-05	8.589-10	4.430-08	2.194-03	7.671-02	1.391-03	1.027-05	9.731-06
-3.4	4.160-09	9.889-05	6.452-10	3.433-08	2.714-03	9.123-02	1.709-03	1.419-05	1.025-05
-3.2	2.776-09	9.986-05	4.877-10	2.604-08	3.258-03	1.056-01	2.035-03	1.914-05	1.077-05
-3.0	1.849-09	9.929-05	3.691-10	2.138-08	3.805-03	1.195-01	2.359-03	2.522-05	1.130-05
-2.8	1.228-09	9.757-05	2.795-10	1.706-08	4.335-03	1.324-01	2.672-03	3.244-05	1.140-05
-2.6	8.135-10	9.441-05	2.088-10	1.367-08	4.834-03	1.442-01	2.964-03	4.074-05	1.227-05
-2.4	5.370-10	8.987-05	1.552-10	1.099-08	5.291-03	1.548-01	3.230-03	4.988-05	1.278-05
-2.2	3.535-10	8.410-05	1.141-10	8.825-09	5.699-03	1.641-01	3.467-03	5.933-05	1.309-05
-2.0	2.321-10	7.737-05	8.296-11	7.097-09	6.057-03	1.721-01	3.674-03	7.033-05	1.342-05
-1.8	1.521-10	7.001-05	5.961-11	5.706-09	6.364-03	1.790-01	3.853-03	8.085-05	1.371-05
-1.6	9.957-11	6.236-05	4.235-11	4.588-09	6.623-03	1.847-01	4.006-03	9.119-05	1.396-05
-1.4	6.517-11	5.474-05	2.977-11	3.689-09	6.839-03	1.896-01	4.133-03	1.011-04	1.417-05
-1.2	4.269-11	4.743-05	2.074-11	2.966-09	7.014-03	1.936-01	4.241-03	1.103-04	1.435-05
-1.0	2.802-11	4.063-05	1.434-11	2.386-09	7.151-03	1.970-01	4.333-03	1.187-04	1.451-05
-.8	1.844-11	3.447-05	9.855-12	1.922-09	7.254-03	1.999-01	4.412-03	1.263-04	1.466-05
-.6	1.219-11	2.901-05	6.749-12	1.551-09	7.321-03	2.024-01	4.484-03	1.329-04	1.477-05
-.4	8.108-12	2.427-05	4.615-12	1.254-09	7.349-03	2.048-01	4.552-03	1.387-04	1.484-05
-.2	5.436-12	2.021-05	3.158-12	1.019-09	7.335-03	2.071-01	4.623-03	1.438-04	1.511-05
.0	3.684-12	1.678-05	2.167-12	8.315-10	7.268-03	2.091-01	4.703-03	1.482-04	1.530-05
.2	2.529-12	1.391-05	1.494-12	6.831-10	7.137-03	2.123-01	4.779-03	1.518-04	1.539-05
.4	1.764-12	1.151-05	1.036-12	5.657-10	6.930-03	2.156-01	4.919-03	1.547-04	1.595-05
.6	1.254-12	9.485-06	7.219-13	4.725-10	6.639-03	2.193-01	5.068-03	1.563-04	1.640-05
.8	9.104-13	7.766-06	5.051-13	3.982-10	6.262-03	2.232-01	5.250-03	1.569-04	1.637-05
1.0	6.784-13	6.287-06	3.542-13	3.384-10	5.806-03	2.271-01	5.464-03	1.579-04	1.766-05
1.2	5.231-13	5.008-06	2.493-13	2.902-10	5.287-03	2.303-01	5.705-03	1.658-04	1.841-05
1.4	4.240-13	3.919-06	1.776-13	2.516-10	4.725-03	2.320-01	5.971-03	1.742-04	1.525-05
1.6	3.718-13	3.025-06	1.310-13	2.219-10	4.143-03	2.315-01	6.253-03	1.844-04	2.015-05
1.8	3.711-13	2.336-06	1.048-13	2.012-10	3.561-03	2.278-01	6.547-03	9.968-05	2.104-05
2.0	4.660-13	1.866-06	1.003-13	1.919-10	2.994-03	2.200-01	6.846-03	7.955-05	2.205-05
2.2	9.365-13	1.659-06	1.464-13	2.036-10	2.453-03	2.069-01	7.148-03	6.056-05	2.304-05

T= 12CCC

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	4.999-01	3.98071+00	4.24207+01	4.64014+01	1.27881+02	-4.75730+00	3.98111+00
-6.8	4.998-01	3.97968+00	4.24038+01	4.63835+01	1.28031+02	-4.55712+00	3.98214+00
-6.6	4.996-01	3.97824+00	4.23821+01	4.63603+01	1.24177+02	-4.35727+00	3.97987+00
-6.4	4.994-01	3.97612+00	4.23515+01	4.63271+01	1.22314+02	-4.15751+00	3.97591+00
-6.2	4.990-01	3.97289+00	4.23042+01	4.62771+01	1.20437+02	-3.95786+00	3.97389+00
-6.0	4.984-01	3.96793+00	4.22320+01	4.61999+01	1.18537+02	-3.75840+00	3.96814+00
-5.8	4.975-01	3.96027+00	4.21202+01	4.60804+01	1.16599+02	-3.55924+00	3.96184+00
-5.6	4.960-01	3.94850+00	4.19473+01	4.58958+01	1.14605+02	-3.36053+00	3.95046+00
-5.4	4.938-01	3.93055+00	4.16826+01	4.56130+01	1.12526+02	-3.16251+00	3.93233+00
-5.2	4.904-01	3.90358+00	4.12826+01	4.51862+01	1.10321+02	-2.96550+00	3.90658+00
-5.0	4.852-01	3.86391+00	4.06927+01	4.45561+01	1.07942+02	-2.76994+00	3.86754+00
-4.8	4.777-01	3.80741+00	3.98499+01	4.36573+01	1.05333+02	-2.57633+00	3.81182+00
-4.6	4.670-01	3.73023+00	3.86957+01	4.24256+01	1.02462+02	-2.38523+00	3.73563+00
-4.4	4.524-01	3.63012+00	3.71956+01	4.08257+01	9.92462+01	-2.19724+00	3.63612+00
-4.2	4.335-01	3.50778+00	3.53590+01	3.88667+01	9.56653+01	-2.01193+00	3.51451+00
-4.0	4.100-01	3.36735+00	3.32473+01	3.66146+01	9.20700+01	-1.82984+00	3.37668+00
-3.8	3.824-01	3.21572+00	3.09638+01	3.41795+01	8.82705+01	-1.64969+00	3.22369+00
-3.6	3.512-01	3.06089+00	2.86793+01	3.16802+01	8.44905+01	-1.47112+00	3.06688+00
-3.4	3.178-01	2.91034+00	2.63561+01	2.92865+01	8.09427+01	-1.29302+00	2.91837+00
-3.2	2.832-01	2.76976+00	2.42309+01	2.70007+01	7.74102+01	-1.11452+00	2.77754+00
-3.0	2.488-01	2.64278+00	2.23091+01	2.49515+01	7.42628+01	-9.34900-01	2.65904+00
-2.8	2.157-01	2.53107+00	2.06168+01	2.31676+01	7.13598+01	-7.53660-01	2.53833+00
-2.6	1.847-01	2.43486+00	1.91577+01	2.15925+01	6.87579+01	-5.70490-01	2.44169+00
-2.4	1.564-01	2.35334+00	1.79203+01	2.02737+01	6.64187+01	-3.85280-01	2.35977+00
-2.2	1.312-01	2.28514+00	1.68844+01	1.91696+01	6.43152+01	-1.98050-01	2.29103+00
-2.0	1.091-01	2.22862+00	1.60255+01	1.82541+01	6.24175+01	-8.98000-03	2.23402+00
-1.8	9.013-02	2.18207+00	1.53182+01	1.75003+01	6.06946+01	1.81930-01	2.18703+00
-1.6	7.404-02	2.14383+00	1.47380+01	1.68818+01	5.91189+01	3.74220-01	2.14433+00
-1.4	6.055-02	2.11234+00	1.42620+01	1.63743+01	5.76632+01	5.67830-01	2.11636+00
-1.2	4.934-02	2.08614+00	1.38694+01	1.59556+01	5.63041+01	7.62340-01	2.09474+00
-1.0	4.011-02	2.06387+00	1.35410+01	1.56049+01	5.50202+01	9.57720-01	2.07701+00
-.8	3.256-02	2.04413+00	1.32583+01	1.53024+01	5.37917+01	1.15356+00	2.06041+00
-.6	2.642-02	2.02548+00	1.30124+01	1.50384+01	5.25993+01	1.34956+00	2.04262+00
-.4	2.145-02	2.00628+00	1.27954+01	1.47617+01	5.14234+01	1.54543+00	2.02777+00
-.2	1.744-02	1.98469+00	1.26045+01	1.44792+01	5.02436+01	1.74073+00	1.98533+00
.0	1.423-02	1.95864+00	1.21972+01	1.41559+01	4.90379+01	1.93499+00	1.95812+00
.2	1.166-02	1.92815+00	1.18413+01	1.37674+01	4.77872+01	2.12773+00	1.92397+00
.4	9.621-03	1.89572+00	1.14091+01	1.32948+01	4.64710+01	2.31851+00	1.88113+00
.6	8.004-03	1.83703+00	1.08940+01	1.27310+01	4.51044+01	2.50715+00	1.82933+00
.8	6.727-03	1.78138+00	1.03038+01	1.20852+01	4.36808+01	2.69379+00	1.76804+00
1.0	5.720-03	1.72172+00	9.66068+00	1.13924+01	4.22310+01	2.87900+00	1.70017+00
1.2	4.927-03	1.66222+00	8.99461+00	1.06568+01	4.07859+01	3.06377+00	1.62987+00
1.4	4.305-03	1.60767+00	8.33607+00	9.94376+00	3.93767+01	3.24923+00	1.55867+00
1.6	3.828-03	1.56321+00	7.70993+00	9.27316+00	3.80190+01	3.43765+00	1.48844+00
1.8	3.488-03	1.53453+00	7.13311+00	8.66764+00	3.67296+01	3.62901+00	1.42241+00
2.0	3.317-03	1.52844+00	6.61560+00	8.14406+00	3.55079+01	3.82734+00	1.36034+00
2.2	3.478-03	1.55336+00	6.16517+00	7.71854+00	3.43692+01	4.03431+00	1.30227+00

T= 12100

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.845-16	2.110-18	4.628-17	1.097-20	.CCC+CO	5.571-32	8.607-32	6.328-13	1.566-16
-6.8	1.729-15	8.382-18	1.840-16	4.382-20	.CCC+CO	5.556-31	8.586-31	1.588-12	3.929-16
-6.6	6.873-15	3.327-17	7.305-16	1.747-19	.CCC+CO	5.533-30	8.555-30	3.985-12	9.849-16
-6.4	2.710-14	1.319-16	2.897-15	6.946-19	.CCC+CO	5.500-29	8.508-29	9.989-12	2.466-15
-6.2	9.548-14	5.216-16	1.147-14	2.758-18	.CCC+CO	5.449-28	8.435-28	2.501-11	6.164-15
-6.0	3.772-13	2.056-15	4.526-14	1.090-17	.CCC+CO	5.371-27	8.326-27	6.251-11	1.537-14
-5.8	1.484-12	8.058-15	1.777-13	4.294-17	.CCC+CO	5.253-26	8.159-26	1.558-10	3.815-14
-5.6	5.805-12	3.132-14	6.929-13	1.681-16	.CCC+CO	5.076-25	7.908-25	3.866-10	9.409-14
-5.4	2.248-11	1.202-13	2.671-12	6.520-16	.CCC+CO	4.816-24	7.539-24	9.530-10	2.298-13
-5.2	8.585-11	4.524-13	1.013-11	2.495-15	.CCC+CO	4.446-23	7.010-23	2.326-09	5.530-13
-5.0	3.210-10	1.656-12	3.747-11	9.360-15	.CCC+CO	3.945-22	6.285-22	5.597-09	1.333-12
-4.8	1.165-09	5.831-12	1.340-10	3.416-14	.CCC+CO	3.310-21	5.353-21	1.319-08	2.978-12
-4.6	4.062-09	1.950-11	4.573-10	1.201-13	.CCC+CO	2.577-20	4.257-20	3.022-08	6.545-12
-4.4	1.345-08	6.113-11	1.474-09	4.032-13	.CCC+CO	1.828-19	3.103-19	6.677-08	1.369-09
-4.2	4.165-08	1.779-10	4.435-09	1.241-12	.CCC+CO	1.143-18	2.041-18	1.412-07	2.708-09
-4.0	1.215-07	4.784-10	1.239-08	3.835-12	.CCC+CO	6.578-18	1.200-17	2.841-07	5.045-09
-3.8	3.282-07	1.189-09	3.210-08	1.080-11	.CCC+CO	3.394-17	6.284-17	5.421-07	8.842-09
-3.6	8.246-07	2.747-09	7.735-08	2.864-11	.CCC+CO	1.689-16	2.951-16	9.813-07	1.475-08
-3.4	1.936-06	5.950-09	1.744-07	7.187-11	.CCC+CO	6.065-16	1.252-15	1.689-06	2.361-08
-3.2	4.275-06	1.219-08	3.710-07	1.714-10	.CCC+CO	2.247-15	4.858-15	2.775-06	3.570-08
-3.0	8.696-06	2.384-08	7.500-07	3.903-10	.CCC+CO	7.880-15	1.746-14	4.372-06	5.262-08
-2.8	1.781-05	4.685-08	1.493-06	8.538-10	.CCC+CO	2.578-14	5.879-14	6.843-06	7.546-08
-2.6	3.611-05	8.179-08	2.914-06	1.793-09	.CCC+CO	8.022-14	1.875-13	9.780-06	1.057-07
-2.4	6.311-05	1.451-07	4.919-06	3.643-09	.CCC+CO	2.396-13	5.718-13	1.402-05	1.454-07
-2.2	1.135-04	2.522-07	8.694-06	7.174-09	.CCC+CO	6.922-13	1.680-12	1.964-05	1.970-07
-2.0	1.992-04	4.307-07	1.505-05	1.373-08	.CCC+CO	1.946-12	4.789-12	2.701-05	2.634-07
-1.8	3.429-04	7.249-07	2.562-05	2.559-08	.CCC+CO	5.350-12	1.331-11	3.656-05	3.487-07
-1.6	5.806-04	1.206-06	4.300-05	4.660-08	.CCC+CO	1.444-11	3.624-11	4.886-05	4.579-07
-1.4	9.696-04	1.988-06	7.134-05	8.310-08	.CCC+CO	3.843-11	9.711-11	6.460-05	5.974-07
-1.2	1.601-03	3.251-06	1.172-04	1.454-07	.CCC+CO	1.010-10	2.564-10	8.464-05	7.755-07
-1.0	2.615-03	5.284-06	1.910-04	2.505-07	.CCC+CO	2.627-10	6.685-10	1.100-04	1.003-06
-.8	4.233-03	8.547-06	3.091-04	4.253-07	.CCC+CO	6.774-10	1.724-09	1.420-04	1.294-06
-.6	6.785-03	1.377-05	4.984-04	7.135-07	.CCC+CO	1.733-09	4.396-09	1.820-04	1.667-06
-.4	1.076-02	2.214-05	7.932-04	1.185-06	.CCC+CO	4.397-09	1.107-08	2.313-04	2.147-06
-.2	1.685-02	3.550-05	1.257-03	1.950-06	.CCC+CO	1.106-08	2.764-08	2.911-04	2.767-06
.0	2.598-02	5.686-05	1.975-03	3.184-06	.CCC+CO	2.756-08	6.702-08	3.616-04	3.573-06
.2	3.922-02	9.101-05	3.078-03	5.162-06	.CCC+CO	6.797-08	1.638-07	4.415-04	4.627-06
.4	5.772-02	1.456-04	4.709-03	8.362-06	.CCC+CO	1.648-07	3.701-07	5.275-04	6.014-06
.6	8.234-02	2.326-04	7.108-03	1.322-05	.CCC+CO	3.934-07	8.284-07	6.140-04	7.846-06
.8	1.135-01	3.707-04	1.053-02	2.074-05	.CCC+CO	9.218-07	1.783-06	6.942-04	1.027-05
1.0	1.507-01	5.884-04	1.528-02	3.187-05	.CCC+CO	2.119-06	3.679-06	7.622-04	1.350-05
1.2	1.929-01	9.275-04	2.169-02	4.759-05	.CCC+CO	4.783-06	7.272-06	8.160-04	1.783-05
1.4	2.394-01	1.448-03	3.010-02	6.448-05	.CCC+CO	1.064-05	1.378-05	8.592-04	2.376-05
1.6	2.855-01	2.231-03	4.084-02	9.427-05	.CCC+CO	2.352-05	2.509-05	9.036-04	3.222-05
1.8	3.326-01	3.384-03	5.416-02	1.237-04	.CCC+CO	5.219-05	4.399-05	9.723-04	4.525-05
2.0	3.781-01	5.040-03	7.024-02	1.546-04	.CCC+CO	1.184-04	7.438-05	1.114-03	6.800-05
2.2	4.210-01	7.320-03	8.886-02	1.847-04	.CCC+CO	2.810-04	1.211-04	1.475-03	1.173-04

T= 12100

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.230-29	1.269-12	3.694-17	3.323-13	3.919-01	1.343-04	1.053-01	5.970-07	2.330-03
-6.8	2.033-28	3.191-12	9.319-17	8.335-13	3.919-01	8.480-05	1.053-01	3.769-07	2.335-03
-6.6	1.278-27	7.978-12	2.345-16	2.090-12	3.919-01	5.356-05	1.052-01	2.379-07	2.338-03
-6.4	8.025-27	1.999-11	5.892-16	5.235-12	3.918-01	3.383-05	1.051-01	1.502-07	2.339-03
-6.2	5.023-26	5.000-11	1.477-15	1.309-11	3.916-01	2.138-05	1.050-01	9.483-08	2.339-03
-6.0	3.131-25	1.248-10	3.696-15	3.267-11	3.913-01	1.352-05	1.048-01	5.988-08	2.338-03
-5.8	1.939-24	3.104-10	9.221-15	8.122-11	3.909-01	8.555-06	1.045-01	3.782-08	2.335-03
-5.6	1.188-23	7.680-10	2.291-14	2.008-10	3.901-01	5.422-06	1.039-01	2.390-08	2.330-03
-5.4	7.168-23	1.885-09	5.656-14	4.923-10	3.889-01	3.443-06	1.031-01	1.511-08	2.321-03
-5.2	4.224-22	4.568-09	1.384-13	1.191-09	3.871-01	2.193-06	1.019-01	9.552-09	2.308-03
-5.0	2.406-21	1.087-08	3.340-13	2.830-09	3.843-01	1.402-06	1.001-01	6.045-09	2.288-03
-4.8	1.307-20	2.524-08	7.914-13	6.548-09	3.801-01	9.019-07	9.754-02	3.829-09	2.258-03
-4.6	6.659-20	5.664-08	1.829-12	1.463-08	3.740-01	5.841-07	9.398-02	2.429-09	2.215-03
-4.4	3.135-19	1.218-07	4.097-12	3.129-08	3.653-01	3.815-07	8.932-02	1.544-09	2.154-03
-4.2	1.346-18	2.490-07	8.845-12	6.357-08	3.534-01	2.513-07	8.357-02	9.835-10	2.073-03
-4.0	5.239-18	4.821-07	1.834-11	1.222-07	3.379-01	1.670-07	7.690-02	6.287-10	1.970-03
-3.8	1.848-17	8.827-07	3.650-11	2.220-07	3.187-01	1.117-07	6.960-02	4.034-10	1.846-03
-3.6	5.946-17	1.532-06	6.975-11	3.826-07	2.962-01	7.501-08	6.202-02	2.598-10	1.703-03
-3.4	1.764-16	2.532-06	1.283-10	6.280-07	2.710-01	5.049-08	5.448-02	1.680-10	1.547-03
-3.2	4.876-16	4.008-06	2.277-10	9.879-07	2.440-01	3.397-08	4.726-02	1.089-10	1.383-03
-3.0	1.271-15	6.109-06	3.909-10	1.498-06	2.164-01	2.282-08	4.053-02	7.072-11	1.219-03
-2.8	3.154-15	9.017-06	6.506-10	2.201-06	1.891-01	1.527-08	3.441-02	4.599-11	1.059-03
-2.6	7.520-15	1.295-05	1.052-09	3.150-06	1.630-01	1.018-08	2.895-02	2.992-11	9.086-04
-2.4	1.735-14	1.818-05	1.656-09	4.409-06	1.389-01	6.764-09	2.416-02	1.947-11	7.709-04
-2.2	3.897-14	2.505-05	2.541-09	6.060-06	1.171-01	4.476-09	2.002-02	1.266-11	6.478-04
-2.0	8.564-14	3.397-05	3.808-09	8.203-06	9.777-02	2.952-09	1.649-02	8.236-12	5.395-04
-1.8	1.849-13	4.547-05	5.584-09	1.097-05	8.104-02	1.941-09	1.351-02	5.357-12	4.463-04
-1.6	3.938-13	6.023-05	8.026-09	1.452-05	6.673-02	1.275-09	1.103-02	3.486-12	3.670-04
-1.4	8.293-13	7.911-05	1.133-08	1.906-05	5.465-02	8.358-10	8.975-03	2.271-12	3.005-04
-1.2	1.731-12	1.032-04	1.574-08	2.488-05	4.457-02	5.479-10	7.285-03	1.482-12	2.451-04
-1.0	3.568-12	1.338-04	2.157-08	3.231-05	3.621-02	3.593-10	5.904-03	9.692-13	1.995-04
-.8	7.399-12	1.726-04	2.921-08	4.182-05	2.933-02	2.358-10	4.781-03	6.360-13	1.622-04
-.6	1.520-11	2.218-04	3.918-08	5.401-05	2.369-02	1.551-10	3.872-03	4.192-13	1.318-04
-.4	3.115-11	2.837-04	5.214-08	6.967-05	1.908-02	1.021-10	3.139-03	2.780-13	1.073-04
-.2	6.375-11	3.612-04	6.897-08	8.989-05	1.532-02	6.742-11	2.551-03	1.857-13	8.756-05
.0	1.304-10	4.573-04	9.082-08	1.161-04	1.225-02	4.460-11	2.080-03	1.252-13	7.177-05
.2	2.671-10	5.748-04	1.192-07	1.504-04	9.749-03	2.954-11	1.704-03	8.539-14	5.920-05
.4	5.480-10	7.156-04	1.558-07	1.955-04	7.703-03	1.959-11	1.404-03	5.903-14	4.923-05
.6	1.128-09	8.806-04	2.026-07	2.557-04	6.035-03	1.300-11	1.164-03	4.144-14	4.134-05
.8	2.332-09	1.069-03	2.614-07	3.366-04	4.682-03	8.636-12	9.719-04	2.961-14	3.509-05
1.0	4.850-09	1.280-03	3.331-07	4.470-04	3.596-03	5.764-12	8.168-04	2.160-14	3.015-05
1.2	1.017-08	1.514-03	4.176-07	5.597-04	2.741-03	3.827-12	6.916-04	1.619-14	2.628-05
1.4	2.159-08	1.778-03	5.145-07	9.149-04	2.085-03	2.711-12	5.919-04	1.265-14	2.336-05
1.6	4.658-08	2.095-03	6.263-07	1.127-03	1.599-03	1.997-12	5.159-04	1.055-14	2.139-05
1.8	1.036-07	2.503-03	7.661-07	1.603-03	1.258-03	1.439-12	4.649-04	9.871-15	2.054-05
2.0	2.460-07	3.213-03	9.773-07	2.403-03	1.048-03	1.054-12	4.456-04	1.137-14	2.141-05
2.2	6.628-07	4.636-03	1.410-06	4.034-03	9.916-04	2.619-12	4.849-04	2.047-14	2.610-05

T= 12100

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.448-05	8.172-05	1.157-06	6.624-06	1.968-04	8.943-05	1.284-06	5.859-06	9.087-07
-6.8	9.162-06	8.216-05	7.345-07	6.192-06	3.118-04	1.416-04	2.041-06	9.330-06	1.345-06
-6.6	5.793-06	8.245-05	4.655-07	5.810-06	4.937-04	2.242-04	3.236-06	1.483-05	1.930-06
-6.4	3.662-06	8.265-05	2.948-07	6.883-06	7.814-04	3.546-04	5.124-06	2.353-05	2.659-06
-6.2	2.315-06	8.280-05	1.867-07	4.054-06	1.236-03	5.603-04	8.110-06	3.730-05	3.493-06
-6.0	1.464-06	8.291-05	1.184-07	3.139-06	1.952-03	8.841-04	1.281-05	5.906-05	4.357-06
-5.8	9.266-07	8.308-05	7.513-08	2.402-06	3.079-03	1.391-03	2.021-05	9.362-05	5.166-06
-5.6	5.871-07	8.326-05	4.781-08	1.729-06	4.842-03	2.182-03	3.177-05	1.479-04	5.859-06
-5.4	3.726-07	8.353-05	3.055-08	1.204-06	7.585-03	3.401-03	4.973-05	2.325-04	6.413-06
-5.2	2.371-07	8.391-05	1.954-08	8.214-07	1.181-02	5.259-03	7.735-05	3.654-04	6.842-06
-5.0	1.514-07	8.448-05	1.274-08	5.545-07	1.822-02	8.027-03	1.192-04	5.717-04	7.178-06
-4.8	9.715-08	8.529-05	8.361-09	3.743-07	2.775-02	1.206-02	1.811-04	8.840-04	7.461-06
-4.6	6.273-08	8.643-05	5.578-09	2.564-07	4.155-02	1.766-02	2.703-04	1.371-03	7.727-06
-4.4	4.080-08	8.794-05	3.795-09	1.762-07	6.081-02	2.515-02	3.940-04	2.008-03	8.008-06
-4.2	2.674-08	8.982-05	2.640-09	1.245-07	8.659-02	3.663-02	5.581-04	3.142-03	8.327-06
-4.0	1.795-08	9.201-05	1.878-09	9.006-08	1.195-01	4.590-02	7.654-04	4.645-03	8.697-06
-3.8	1.172-08	9.432-05	1.365-09	6.676-08	1.595-01	5.884-02	1.015-03	6.737-03	9.120-06
-3.6	7.818-09	9.650-05	1.010-09	5.058-08	2.058-01	7.285-02	1.299-03	9.564-03	9.593-06
-3.4	5.225-09	9.824-05	7.562-10	3.903-08	2.568-01	8.732-02	1.610-03	1.329-05	1.010-05
-3.2	3.492-09	9.919-05	5.706-10	3.056-08	3.107-01	1.018-01	1.935-03	1.803-05	1.063-05
-3.0	2.330-09	9.906-05	4.316-10	2.418-08	3.655-01	1.158-01	2.261-03	2.389-05	1.115-05
-2.8	1.551-09	9.763-05	3.259-10	1.927-08	4.191-01	1.290-01	2.579-03	3.089-05	1.166-05
-2.6	1.029-09	9.477-05	2.446-10	1.543-08	4.699-01	1.411-01	2.878-03	3.902-05	1.215-05
-2.4	6.809-10	9.051-05	1.822-10	1.239-08	5.168-01	1.520-01	3.152-03	4.808-05	1.259-05
-2.2	4.490-10	8.498-05	1.343-10	9.957-09	5.590-01	1.617-01	3.398-03	5.793-05	1.298-05
-2.0	2.953-10	7.845-05	9.785-11	8.008-09	5.962-01	1.700-01	3.614-03	6.828-05	1.333-05
-1.8	1.939-10	7.121-05	7.049-11	6.441-09	6.282-01	1.772-01	3.801-03	7.881-05	1.363-05
-1.6	1.271-10	6.363-05	5.021-11	5.180-09	6.555-01	1.832-01	3.960-03	8.921-05	1.389-05
-1.4	8.331-11	5.601-05	3.539-11	4.166-09	6.782-01	1.883-01	4.096-03	9.921-05	1.412-05
-1.2	5.464-11	4.866-05	2.471-11	3.351-09	6.967-01	1.926-01	4.210-03	1.086-04	1.431-05
-1.0	3.590-11	4.178-05	1.713-11	2.697-09	7.114-01	1.961-01	4.306-03	1.172-04	1.447-05
-.8	2.365-11	3.551-05	1.190-11	2.172-09	7.225-01	1.992-01	4.390-03	1.249-04	1.462-05
-.6	1.565-11	2.994-05	8.096-12	1.753-09	7.301-01	2.018-01	4.464-03	1.317-04	1.476-05
-.4	1.042-11	2.508-05	5.547-12	1.418-09	7.338-01	2.042-01	4.534-03	1.377-04	1.491-05
-.2	6.990-12	2.092-05	3.803-12	1.151-09	7.334-01	2.065-01	4.605-03	1.429-04	1.507-05
.0	4.739-12	1.739-05	2.615-12	9.394-10	7.278-01	2.089-01	4.686-03	1.474-04	1.527-05
.2	3.256-12	1.443-05	1.807-12	7.715-10	7.160-01	2.116-01	4.777-03	1.512-04	1.553-05
.4	2.274-12	1.196-05	1.256-12	6.347-10	6.968-01	2.147-01	4.893-03	1.542-04	1.588-05
.6	1.618-12	9.886-06	8.793-13	5.334-10	6.693-01	2.183-01	5.038-03	1.562-04	1.631-05
.8	1.178-12	8.128-06	6.189-13	4.495-10	6.332-01	2.221-01	5.214-03	1.564-04	1.686-05
1.0	8.806-13	6.619-06	4.377-13	3.824-10	5.889-01	2.259-01	5.424-03	1.539-04	1.752-05
1.2	6.822-13	5.316-06	3.116-13	3.294-10	5.379-01	2.291-01	5.663-03	1.477-04	1.827-05
1.4	5.563-13	4.202-06	2.251-13	2.854-10	4.822-01	2.309-01	5.926-03	1.370-04	1.911-05
1.6	4.913-13	3.281-06	1.686-13	2.524-10	4.240-01	2.306-01	6.208-03	1.219-04	2.001-05
1.8	4.949-13	2.566-06	1.373-13	2.296-10	3.654-01	2.271-01	6.502-03	1.034-04	2.095-05
2.0	6.293-13	2.076-06	1.343-13	2.199-10	3.080-01	2.196-01	6.803-03	8.346-05	2.192-05
2.2	1.296-12	1.873-06	2.022-13	2.359-10	2.529-01	2.067-01	7.108-03	6.405-05	2.291-05

T= 12100

LOG C	E-	I	E/RT	H/RT	S/R	LOG P	I+
-7.0	4.994-01	3.98100+00	4.21338+01	4.61148+01	1.27945+02	-4.75337+00	3.98139+00
-6.8	4.998-01	3.98001+00	4.21169+01	4.60965+01	1.26095+02	-4.55348+00	3.98051+00
-6.6	4.997-01	3.97868+00	4.20966+01	4.60752+01	1.24242+02	-4.35362+00	3.97931+00
-6.4	4.994-01	3.97676+00	4.20684+01	4.60452+01	1.22382+02	-4.15383+00	3.97755+00
-6.2	4.991-01	3.97387+00	4.20267+01	4.60008+01	1.20510+02	-3.95415+00	3.97485+00
-6.0	4.986-01	3.96944+00	4.19629+01	4.59324+01	1.18617+02	-3.75463+00	3.97067+00
-5.8	4.978-01	3.96261+00	4.18642+01	4.58265+01	1.16691+02	-3.55538+00	3.96416+00
-5.6	4.965-01	3.95211+00	4.17116+01	4.56637+01	1.14716+02	-3.35653+00	3.95405+00
-5.4	4.945-01	3.93606+00	4.14770+01	4.54131+01	1.12665+02	-3.15830+00	3.93867+00
-5.2	4.914-01	3.91183+00	4.11214+01	4.50332+01	1.10502+02	-2.96098+00	3.91481+00
-5.0	4.868-01	3.87598+00	4.05931+01	4.44691+01	1.08180+02	-2.76498+00	3.87963+00
-4.8	4.800-01	3.82443+00	3.98310+01	4.36554+01	1.05644+02	-2.57079+00	3.82884+00
-4.6	4.703-01	3.75314+00	3.87744+01	4.25275+01	1.02842+02	-2.37897+00	3.75838+00
-4.4	4.568-01	3.65932+00	3.73804+01	4.10397+01	9.97404+01	-2.18996+00	3.66540+00
-4.2	4.391-01	3.54276+00	3.56452+01	3.91986+01	9.63461+01	-2.00402+00	3.54963+00
-4.0	4.169-01	3.40667+00	3.36159+01	3.70222+01	9.27160+01	-1.82103+00	3.41423+00
-3.8	3.903-01	3.25735+00	3.13857+01	3.46433+01	8.89510+01	-1.64050+00	3.26541+00
-3.6	3.600-01	3.10266+00	2.90722+01	3.21748+01	8.51726+01	-1.46163+00	3.11102+00
-3.4	3.271-01	2.95036+00	2.67911+01	2.97415+01	8.14982+01	-1.28344+00	2.95881+00
-3.2	2.928-01	2.80669+00	2.46364+01	2.74431+01	7.80184+01	-1.10517+00	2.81504+00
-3.0	2.582-01	2.67598+00	2.26715+01	2.53473+01	7.47917+01	-9.25910-01	2.68391+00
-2.8	2.246-01	2.55990+00	2.09295+01	2.34894+01	7.18469+01	-7.45140-01	2.56766+00
-2.6	1.930-01	2.45954+00	1.94196+01	2.18751+01	6.91799+01	-5.62510-01	2.46688+00
-2.4	1.639-01	2.37416+00	1.81332+01	2.05079+01	6.67816+01	-3.77850-01	2.38100+00
-2.2	1.378-01	2.30251+00	1.70536+01	1.93561+01	6.46252+01	-1.91160-01	2.30884+00
-2.0	1.149-01	2.24298+00	1.61559+01	1.83589+01	6.26813+01	-2.54000-03	2.24880+00
-1.8	9.514-02	2.19387+00	1.54152+01	1.76091+01	6.09195+01	1.87850-01	2.19920+00
-1.6	7.829-02	2.15350+00	1.48070+01	1.69805+01	5.93106+01	3.79780-01	2.15834+00
-1.4	6.411-02	2.12028+00	1.43081+01	1.64284+01	5.78278+01	5.73030-01	2.12465+00
-1.2	5.231-02	2.09273+00	1.38972+01	1.59855+01	5.64470+01	7.67350-01	2.09663+00
-1.0	4.257-02	2.06943+00	1.35546+01	1.56260+01	5.51463+01	9.62490-01	2.07296+00
-.8	3.458-02	2.04899+00	1.32619+01	1.53109+01	5.39053+01	1.15819+00	2.05193+00
-.6	2.807-02	2.02998+00	1.30005+01	1.50305+01	5.27048+01	1.35413+00	2.03237+00
-.4	2.280-02	2.01079+00	1.27513+01	1.47621+01	5.15251+01	1.55001+00	2.01250+00
-.2	1.855-02	1.98980+00	1.24934+01	1.44829+01	5.03459+01	1.74540+00	1.99044+00
.0	1.513-02	1.96638+00	1.22039+01	1.41693+01	4.91659+01	1.93986+00	1.96604+00
.2	1.240-02	1.93309+00	1.18604+01	1.37935+01	4.79047+01	2.13289+00	1.93107+00
.4	1.022-02	1.89412+00	1.14439+01	1.33381+01	4.66067+01	2.32405+00	1.88956+00
.6	8.498-03	1.84690+00	1.09655+01	1.27924+01	4.52465+01	2.51308+00	1.83888+00
.8	7.134-02	1.79246+00	1.03702+01	1.21627+01	4.38330+01	2.70009+00	1.77919+00
1.0	6.059-03	1.73355+00	9.73747+00	1.14712+01	4.23895+01	2.88558+00	1.71254+00
1.2	5.213-03	1.67423+00	9.07682+00	1.07510+01	4.09431+01	3.07065+00	1.64178+00
1.4	4.551-03	1.61933+00	8.41830+00	1.00378+01	3.95265+01	3.25598+00	1.56992+00
1.6	4.044-03	1.57414+00	7.78411+00	9.36225+00	3.81614+01	3.44368+00	1.49946+00
1.8	3.685-03	1.54448+00	7.22446+00	8.74905+00	3.68606+01	3.63542+00	1.43206+00
2.0	3.510-03	1.53728+00	6.87921+00	8.21246+00	3.56266+01	3.83339+00	1.36856+00
2.2	3.697-03	1.56095+00	6.72113+00	7.78198+00	3.44565+01	4.04000+00	1.30927+00

T= 1220C

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.773-16	1.603-18	3.445-17	8.045-21	.CCC+CO	3.598-32	5.435-32	5.238-13	1.327-14
-6.8	1.103-15	6.372-18	1.370-16	3.219-20	.CCC+CO	3.589-31	5.423-31	1.315-12	3.328-14
-6.6	4.382-15	2.530-17	5.440-16	1.284-19	.CCC+CO	3.576-30	5.405-30	3.300-12	8.345-14
-6.4	1.740-14	1.003-16	2.158-15	5.110-19	.CCC+CO	3.556-29	5.378-29	8.274-12	2.090-13
-6.2	6.895-14	3.971-16	8.549-15	2.029-18	.CCC+CO	3.527-28	5.337-28	2.072-11	5.227-13
-6.0	2.727-13	1.567-15	3.377-14	8.032-18	.CCC+CO	3.481-27	5.275-27	5.182-11	1.304-12
-5.8	1.074-12	6.150-15	1.328-13	3.168-17	.CCC+CO	3.413-26	5.180-26	1.293-10	3.242-12
-5.6	4.209-12	2.396-14	5.189-13	1.242-16	.CCC+CO	3.310-25	5.038-25	3.212-10	8.011-12
-5.4	1.615-11	9.231-14	2.007-12	4.832-16	.CCC+CO	3.158-24	4.827-24	7.934-10	1.962-11
-5.2	6.269-11	3.605-13	7.847-12	1.857-15	.CCC+CO	2.939-23	4.522-23	1.943-09	4.753-11
-5.0	2.359-10	1.230-12	2.830-11	7.006-15	.CCC+CO	2.633-22	4.093-22	4.596-09	1.124-10
-4.8	8.630-10	4.594-12	1.029-10	2.577-14	.CCC+CO	2.251-21	3.544-21	1.113-08	2.593-10
-4.6	3.047-09	1.559-11	3.561-10	9.159-14	.CCC+CO	1.791-20	2.875-20	2.571-08	5.764-10
-4.4	1.024-08	4.977-11	1.166-09	3.114-13	.CCC+CO	1.304-19	2.148-19	5.742-08	1.223-09
-4.2	3.242-08	1.478-10	3.577-09	1.004-12	.CCC+CO	8.546-19	1.456-18	1.229-07	2.455-09
-4.0	9.595-08	4.059-10	1.020-08	3.054-12	.CCC+CO	4.989-18	8.809-18	2.507-07	4.666-09
-3.8	2.642-07	1.030-09	2.694-08	8.733-12	.CCC+CO	2.587-17	4.759-17	4.856-07	8.686-09
-3.6	6.765-07	2.423-09	6.615-08	2.351-11	.CCC+CO	1.198-16	2.228-16	8.911-07	1.598-08
-3.4	1.617-06	5.332-09	1.517-07	5.980-11	.CCC+CO	5.003-16	1.001-15	1.556-06	2.245-08
-3.2	3.627-06	1.107-08	3.274-07	1.446-10	.CCC+CO	1.[illegible]-15	3.971-15	2.584-06	3.457-08
-3.0	7.687-06	2.191-08	6.705-07	3.323-10	.CCC+CO	6.[illegible]	1.455-14	4.117-06	5.139-08
-2.8	1.551-05	4.161-08	1.319-06	7.324-10	.CCC+CO	2.245-14	4.979-14	6.31[illegible]06	7.419-08
-2.6	3.001-05	7.643-08	2.474-06	1.554-09	.CCC+CO	7.074-14	1.610-13	9.372-06	1.046-07
-2.4	5.600-05	1.366-07	4.518-06	3.182-09	.CCC+CO	2.135-13	4.964-13	1.353-05	1.445-07
-2.2	1.014-04	2.386-07	8.037-06	6.308-09	.CCC+CO	6.218-13	1.472-12	1.907-05	1.965-07
-2.0	1.791-04	4.091-07	1.399-05	1.214-08	.CCC+CO	1.760-12	4.228-12	2.635-05	2.636-07
-1.8	3.099-04	6.910-07	2.391-05	2.276-08	.CCC+CO	4.864-12	1.183-11	3.581-05	3.499-07
-1.6	5.268-04	1.153-06	4.027-05	4.163-08	.CCC+CO	1.319-11	3.238-11	4.803-05	4.604-07
-1.4	8.829-04	1.904-06	6.699-05	7.454-08	.CCC+CO	3.522-11	8.704-11	6.369-05	6.018-07
-1.2	1.462-03	3.120-06	1.103-04	1.309-07	.CCC+CO	9.285-11	2.307-10	8.366-05	7.824-07
-1.0	2.394-03	5.080-06	1.802-04	2.262-07	.CCC+CO	2.421-10	6.034-10	1.090-04	1.013-06
-.8	3.884-03	8.227-06	2.920-04	3.850-07	.CCC+CO	6.257-10	1.560-09	1.410-04	1.309-06
-.6	6.240-03	1.327-05	4.701-04	6.473-07	.CCC+CO	1.603-09	3.987-09	1.811-04	1.687-06
-.4	9.921-03	2.134-05	7.517-04	1.077-06	.CCC+CO	4.[illegible]76-09	1.007-08	2.307-04	2.174-06
-.2	1.558-02	3.424-05	1.193-03	1.775-06	.CCC+CO	1.027-08	2.508-08	2.911-04	2.804-06
.0	2.409-02	5.485-05	1.878-03	2.903-06	.CCC+CO	2.565-08	6.139-08	3.679-04	3.622-06
.2	3.653-02	8.779-05	2.925-03	4.713-06	.CCC+CO	6.332-08	1.470-07	4.451-04	4.691-06
.4	5.403-02	1.404-04	4.498-03	7.592-06	.CCC+CO	1.542-07	3.424-07	5.347-04	6.098-06
.6	7.755-02	2.243-04	6.810-03	1.211-05	.CCC+CO	3.693-07	7.712-07	6.265-04	7.961-06
.8	1.075-01	3.575-04	1.012-02	1.906-05	.CCC+CO	8.586-07	1.671-06	7.137-04	1.044-05
1.0	1.438-01	5.676-04	1.474-02	2.943-05	.CCC+CO	2.005-06	3.473-06	7.900-04	1.374-05
1.2	1.852-01	8.952-04	2.100-02	4.422-05	.CCC+CC	4.544-06	6.914-06	8.527-04	1.819-05
1.4	2.304-01	1.398-03	2.924-02	6.413-05	.CCC+CO	1.015-05	1.319-05	9.054-04	2.431-05
1.6	2.775-01	2.157-03	3.980-02	8.911-05	.CCC+CO	2.252-05	2.416-05	9.598-04	3.309-05
1.8	3.248-01	3.278-03	5.296-02	1.181-04	.CCC+CO	5.018-05	4.259-05	1.041-03	4.669-05
2.0	3.709-01	4.890-03	6.888-02	1.490-04	.CCC+CO	1.143-04	7.236-05	1.202-03	7.054-05
2.2	4.145-01	7.111-03	8.736-02	1.795-04	.CCC+CO	2.719-04	1.183-04	1.608-03	1.226-04

T= 1220C

LOG E	C2-	NC+	CC+	O-	N+	N++	O+	O++	A+
-7.0	2.519-29	1.025-12	3.063-17	2.905-13	3.919-01	1.713-04	1.053-01	7.954-07	2.326-03
-6.8	1.586-28	2.574-12	7.736-17	7.288-13	3.919-01	1.082-04	1.053-01	5.021-07	2.333-03
-6.6	9.975-28	6.455-12	1.948-16	1.827-12	3.919-01	6.833-05	1.052-01	3.170-07	2.337-03
-6.4	6.265-27	1.618-11	4.898-16	4.579-12	3.918-01	4.316-05	1.052-01	2.001-07	2.339-03
-6.2	3.925-26	4.049-11	1.229-15	1.146-11	3.917-01	2.727-05	1.050-01	1.264-07	2.339-03
-6.0	2.449-25	1.011-10	3.077-15	2.861-11	3.914-01	1.724-05	1.049-01	7.979-08	2.338-03
-5.8	1.520-24	2.518-10	7.682-15	7.121-11	3.910-01	1.091-05	1.046-01	5.040-08	2.336-03
-5.6	9.342-24	6.240-10	1.911-14	1.763-10	3.903-01	6.911-06	1.041-01	3.184-08	2.332-03
-5.4	5.663-23	1.535-09	4.726-14	4.354-10	3.893-01	4.386-06	1.034-01	2.012-08	2.324-03
-5.2	3.361-22	3.734-09	1.159-13	1.053-09	3.877-01	2.792-06	1.023-01	1.272-08	2.313-03
-5.0	1.934-21	8.937-09	2.810-13	2.515-09	3.852-01	1.783-06	1.007-01	8.051-09	2.296-03
-4.8	1.065-20	2.090-08	6.694-13	5.865-09	3.814-01	1.145-06	9.830-02	5.099-09	2.269-03
-4.6	5.528-20	4.736-08	1.558-12	1.324-08	3.759-01	7.403-07	9.501-02	3.233-09	2.231-03
-4.4	2.661-19	1.031-07	3.520-12	2.866-08	3.679-01	4.825-07	9.065-02	2.054-09	2.176-03
-4.2	1.172-18	2.137-07	7.675-12	5.906-08	3.569-01	3.172-07	8.517-02	1.308-09	2.102-03
-4.0	4.681-18	4.198-07	1.608-11	1.152-07	3.425-01	2.103-07	7.871-02	8.353-10	2.006-03
-3.8	1.694-17	7.801-07	3.234-11	2.125-07	3.243-01	1.405-07	7.154-02	5.354-10	1.889-03
-3.6	5.580-17	1.373-06	6.242-11	3.712-07	3.026-01	9.431-08	6.400-02	3.446-10	1.751-03
-3.4	1.659-16	2.298-06	1.159-10	6.168-07	2.781-01	6.349-08	5.643-02	2.226-10	1.599-03
-3.2	4.753-16	3.677-06	2.073-10	9.808-07	2.515-01	4.275-08	4.911-02	1.442-10	1.437-03
-3.0	1.257-15	5.658-06	3.587-10	1.501-06	2.239-01	2.874-08	4.224-02	9.368-11	1.272-03
-2.8	3.158-15	8.420-06	6.013-10	2.223-06	1.964-01	1.927-08	3.595-02	6.093-11	1.111-03
-2.6	7.605-15	1.218-05	9.786-10	3.203-06	1.700-01	1.287-08	3.031-02	3.966-11	9.568-04
-2.4	1.769-14	1.720-05	1.549-09	4.509-06	1.453-01	8.563-09	2.535-02	2.582-11	8.167-04
-2.2	4.000-14	2.381-05	2.390-09	6.227-06	1.228-01	5.675-09	2.105-02	1.681-11	6.866-04
-2.0	8.840-14	3.242-05	3.599-09	8.462-06	1.028-01	3.749-09	1.737-02	1.094-11	5.735-04
-1.8	1.918-13	4.354-05	5.301-09	1.135-05	8.542-02	2.470-09	1.426-02	7.121-12	4.755-04
-1.6	4.099-13	5.785-05	7.650-09	1.507-05	7.047-02	1.624-09	1.165-02	4.638-12	3.918-04
-1.4	8.657-13	7.615-05	1.084-08	1.983-05	5.792-02	1.066-09	9.489-03	3.023-12	3.213-04
-1.2	1.811-12	9.952-05	1.511-08	2.593-05	4.721-02	6.999-10	7.709-03	1.976-12	2.625-04
-1.0	3.762-12	1.293-04	2.076-08	3.372-05	3.841-02	4.596-10	6.252-03	1.292-12	2.139-04
-.8	7.771-12	1.671-04	2.818-08	4.370-05	3.115-02	3.021-10	5.066-03	8.488-13	1.740-04
-.6	1.599-11	2.150-04	3.788-08	5.649-05	2.519-02	1.989-10	4.105-03	5.600-13	1.416-04
-.4	3.280-11	2.754-04	5.040-08	7.293-05	2.031-02	1.312-10	3.329-03	3.716-13	1.153-04
-.2	6.718-11	3.516-04	6.691-08	9.414-05	1.633-02	8.679-11	2.706-03	2.484-13	9.408-05
.0	1.375-10	4.455-04	8.824-08	1.216-04	1.308-02	5.754-11	2.206-03	1.676-13	7.711-05
.2	2.816-10	5.612-04	1.160-07	1.576-04	1.043-02	3.823-11	1.807-03	1.144-13	6.360-05
.4	5.782-10	7.008-04	1.519-07	2.049-04	8.261-03	2.544-11	1.489-03	7.917-14	5.287-05
.6	1.190-09	8.655-04	1.981-07	2.677-04	6.493-03	1.696-11	1.235-03	5.567-14	4.439-05
.8	2.460-09	1.055-03	2.567-07	3.523-04	5.056-03	1.133-11	1.037-03	3.988-14	3.769-05
1.0	5.116-09	1.270-03	3.291-07	4.676-04	3.901-03	7.618-12	8.679-04	2.920-14	3.241-05
1.2	1.073-08	1.510-03	4.159-07	6.269-04	2.988-03	5.191-12	7.362-04	2.200-14	2.830-05
1.4	2.275-08	1.783-03	5.177-07	8.514-04	2.284-03	3.643-12	6.317-04	1.729-14	2.521-05
1.6	4.916-08	2.114-03	6.377-07	1.177-03	1.761-03	2.710-12	5.524-04	1.454-14	2.314-05
1.8	1.098-07	2.562-03	7.902-07	1.676-03	1.393-03	2.250-12	4.998-04	1.373-14	2.229-05
2.0	2.607-07	3.281-03	1.022-06	2.516-03	1.167-03	2.304-12	4.809-04	1.602-14	2.333-05
2.2	7.061-07	4.775-03	1.497-06	4.248-03	1.114-03	3.746-12	5.271-04	2.958-14	2.864-05

T= 12200

LOG E	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.821-05	8.146-05	1.415-06	6.762-C6	1.740-04	7.926-05	1.122-06	5.288-09	[illegible]
-6.8	1.153-05	8.199-05	8.990-07	6.381-C6	2.757-04	1.255-04	1.782-06	8.431-09	1.155-06
-6.6	7.292-06	8.234-05	5.702-07	5.858-C6	4.365-04	1.987-04	2.827-06	1 [illegible]	1.880-06
-6.4	4.611-06	8.257-05	3.613-07	5.186-C6	6.910-04	3.144-04	4.479-06	2.127-09	2.355-06
-6.2	2.915-06	8.274-05	2.288-07	4.391-C6	1.093-03	4.969-04	7.090-06	3.376-08	3.155-06
-6.0	1.844-06	8.284-05	1.450-07	3.536-C6	1.727-03	7.844-06	1.121-05	5.347-08	4.017-06
-5.8	1.167-06	8.303-05	9.201-08	2.707-C6	2.726-03	1.235-03	1.768-05	8.461-08	4.857-06
-5.6	7.389-07	8.320-05	5.851-08	1.980-C6	4.296-03	1.939-03	2.783-05	1.337-07	5.802-06
-5.4	4.688-07	8.344-05	3.734-08	1.396-C6	6.728-03	3.029-03	4.353-05	2.104-07	6.212-06
-5.2	2.961-07	8.378-05	2.396-08	9.54[illegible]-C7	1.049-02	4.694-03	6.800-05	3.316-07	6.689-06
-5.0	1.902-07	8.429-05	1.550-08	6.507-C7	1.624-02	7.192-03	1.051-04	5.196-07	7.061-06
-4.8	1.219-07	8.503-05	1.014-08	4.395-C7	2.483-02	1.085-02	1.604-04	8.000-07	7.300-06
-4.6	7.864-08	8.606-05	6.733-09	2.986-C7	3.735-02	1.651-02	2.407-04	1.253-06	7.639-06
-4.4	5.108-08	8.745-05	4.555-09	2.044-C7	5.502-02	2.398-02	3.534-04	1.912-06	7.919-06
-4.2	3.344-08	8.922-05	3.144-09	1.445-C7	7.896-02	3.394-02	5.050-04	2.835-06	8.229-06
-4.0	2.205-08	9.131-05	2.228-09	1.039-C7	1.099-01	4.283-02	6.993-04	4.284-06	8.586-06
-3.8	1.464-08	9.356-05	1.610-09	7.656-C8	1.480-01	5.536-02	9.363-04	6.244-06	8.997-06
-3.6	9.769-09	9.576-05	1.185-09	5.769-C8	1.927-01	6.908-02	1.211-03	8.914-06	9.458-06
-3.4	6.534-09	9.758-05	8.849-10	4.433-C8	2.426-01	8.346-02	1.515-03	1.245-05	9.958-06
-3.2	4.373-09	9.869-05	6.664-10	3.459-C8	2.959-01	9.797-02	1.837-03	1.698-05	1.048-05
-3.0	2.924-09	9.879-05	5.037-10	2.731-C8	3.506-01	1.121-01	2.164-03	2.262-05	1.101-05
-2.8	1.950-09	9.763-05	3.804-10	2.173-C8	4.047-01	1.256-01	2.485-03	2.941-05	1.153-05
-2.6	1.297-09	9.506-05	2.859-10	1.738-C8	4.564-01	1.380-01	2.790-03	3.732-05	1.202-05
-2.4	8.594-10	9.108-05	2.132-10	1.395-C8	5.045-01	1.492-01	3.072-03	4.624-05	1.247-05
-2.2	5.679-10	8.581-05	1.575-10	1.121-C8	5.479-01	1.592-01	3.327-03	5.597-05	1.288-05
-2.0	3.742-10	7.948-05	1.151-10	9.019-C9	5.864-01	1.679-01	3.552-03	6.626-05	1.324-05
-1.8	2.461-10	7.238-05	8.312-11	7.256-C9	6.199-01	1.754-01	3.747-03	7.679-05	1.356-05
-1.6	1.616-10	6.487-05	5.936-11	5.837-C9	6.483-01	1.817-01	3.915-03	8.724-05	1.383-05
-1.4	1.061-10	5.727-05	4.195-11	4.696-C9	6.722-01	1.870-01	4.057-03	9.736-05	1.406-05
-1.2	6.965-11	4.987-05	2.937-11	3.778-C9	6.918-01	1.915-01	4.177-03	1.068-04	1.426-05
-1.0	4.581-11	4.292-05	2.040-11	3.042-C9	7.075-01	1.952-01	4.279-03	1.156-04	1.443-05
-.8	3.021-11	3.656-05	1.408-11	2.451-C9	7.199-01	1.984-01	4.366-03	1.234-04	1.458-05
-.6	2.001-11	3.087-05	9.684-12	1.978-C9	7.294-01	2.011-01	4.443-03	1.304-04	1.472-05
-.4	1.333-11	2.591-05	6.648-12	1.600-C9	7.375-01	2.035-01	4.515-03	1.366-04	1.487-05
-.2	8.953-12	2.163-05	4.566-12	1.299-C9	7.330-01	2.058-01	4.587-03	1.419-04	1.503-05
.0	6.075-12	1.801-05	3.146-12	1.039-C9	7.285-01	2.082-01	4.665-03	1.465-04	1.523-05
.2	4.177-12	1.497-05	2.178-12	8.698-10	7.180-01	2.109-01	4.756-03	1.505-04	1.548-05
.4	2.919-12	1.242-05	1.519-12	7.197-10	7.003-01	2.139-01	4.869-03	1.537-04	1.581-05
.6	2.080-12	1.029-05	1.067-12	6.009-10	6.743-01	2.173-01	5.008-03	1.559-04	1.623-05
.8	1.517-12	8.495-06	7.555-13	5.066-10	6.397-01	2.211-01	5.180-03	1.565-04	1.676-05
1.0	1.138-12	6.956-06	5.387-13	4.312-10	5.968-01	2.248-01	5.385-03	1.547-04	1.740-05
1.2	8.860-13	5.629-06	3.875-13	3.709-10	5.468-01	2.280-01	5.620-03	1.493-04	1.814-05
1.4	7.267-13	4.493-06	2.836-13	3.231-10	4.916-01	2.299-01	5.881-03	1.395-04	1.897-05
1.6	6.464-13	3.548-06	2.158-13	2.864-10	4.335-01	2.297-01	6.162-03	1.252-04	1.987-05
1.8	6.570-13	2.809-06	1.790-13	2.615-10	3.746-01	2.265-01	6.457-03	1.073-04	2.081-05
2.0	6.462-13	2.302-06	1.788-13	2.515-10	3.165-01	2.192-01	6.760-03	8.733-05	2.179-05
2.2	1.786-12	2.108-06	2.781-13	2.708-10	2.605-01	2.065-01	7.067-03	6.757-05	2.279-05

T= 12200

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.000-01	3.98130+00	4.18523+01	4.58336+01	1.28009+02	-4.74976+00	3.98169+00
-6.8	4.999-01	3.98033+00	4.18349+01	4.58152+01	1.26158+02	-4.54987+00	3.98082+00
-6.6	4.997-01	3.97909+00	4.18154+01	4.57945+01	1.24306+02	-4.35000+00	3.97970+00
-6.4	4.995-01	3.97733+00	4.17896+01	4.57669+01	1.22448+02	-4.15019+00	3.97811+00
-6.2	4.992-01	3.97473+00	4.17522+01	4.5727C+01	1.20580+02	-3.95048+00	3.97570+00
-6.0	4.987-01	3.97076+00	4.16956+01	4.56664+01	1.18694+02	-3.75091+00	3.97198+00
-5.8	4.980-01	3.96466+00	4.16083+01	4.5573C+01	1.16779+02	-3.55158+00	3.96619+00
-5.6	4.969-01	3.95527+00	4.14733+01	4.54265+01	1.14820+02	-3.35261+00	3.95719+00
-5.4	4.951-01	3.94090+00	4.12654+01	4.52063+01	1.12794+02	-3.15419+00	3.94329+00
-5.2	4.924-01	3.91913+00	4.09489+01	4.48681+01	1.10667+02	-2.95660+00	3.92210+00
-5.0	4.882-01	3.88674+00	4.04759+01	4.43627+01	1.08397+02	-2.76020+00	3.89037+00
-4.8	4.821-01	3.83976+00	3.97878+01	4.36275+01	1.05929+02	-2.56568+00	3.84418+00
-4.6	4.732-01	3.77408+00	3.88226+01	4.25967+01	1.03210+02	-2.37298+00	3.77934+00
-4.4	4.608-01	3.68641+00	3.75313+01	4.12177+01	1.00200+02	-2.18318+00	3.69257+00
-4.2	4.443-01	3.57576+00	3.58979+01	3.94737+01	9.68932+01	-1.99642+00	3.58277+00
-4.0	4.233-01	3.44441+00	3.39556+01	3.73998+01	9.33736+01	-1.81267+00	3.45218+00
-3.8	3.978-01	3.29794+00	3.17855+01	3.50835+01	8.96109+01	-1.63154+00	3.30629+00
-3.6	3.695-01	3.14396+00	2.95010+01	3.26452+01	8.58430+01	-1.45231+00	3.15269+00
-3.4	3.362-01	2.99037+00	2.72195+01	3.02095+01	8.21488+01	-1.27406+00	2.99925+00
-3.2	3.021-01	2.84394+00	2.50411+01	2.78852+01	7.86275+01	-1.09587+00	2.85277+00
-3.0	2.675-01	2.70939+00	2.30370+01	2.57464+01	7.53454+01	-9.16920-01	2.71800+00
-2.8	2.336-01	2.58940+00	2.12478+01	2.38372+01	7.23367+01	-7.36590-01	2.59767+00
-2.6	2.014-01	2.48493+00	1.96882+01	2.21731+01	6.98094+01	-5.54470-01	2.49276+00
-2.4	1.716-01	2.39566+00	1.83542+01	2.07498+01	6.71522+01	-3.70360-01	2.40299+00
-2.2	1.447-01	2.32048+00	1.72298+01	1.95502+01	6.49424+01	-1.84210-01	2.32729+00
-2.0	1.209-01	2.25787+00	1.62926+01	1.85505+01	6.29516+01	3.91000-03	2.26415+00
-1.8	1.003-01	2.20613+00	1.55180+01	1.77242+01	6.11496+01	1.93850-01	2.21148+00
-1.6	8.267-02	2.16356+00	1.48812+01	1.70447+01	5.95069+01	3.85380-01	2.16879+00
-1.4	6.780-02	2.12854+00	1.43586+01	1.64871+01	5.79963+01	5.78300-01	2.13327+00
-1.2	5.539-02	2.09955+00	1.39286+01	1.60281+01	5.65929+01	7.72340-01	2.10379+00
-1.0	4.512-02	2.07516+00	1.35712+01	1.56464+01	5.52745+01	9.67270-01	2.07890+00
-.8	3.669-02	2.05397+00	1.32677+01	1.53216+01	5.40203+01	1.16281+00	2.05719+00
-.6	2.980-02	2.03453+00	1.29995+01	1.50341+01	5.28108+01	1.35868+00	2.03717+00
-.4	2.422-02	2.01526+00	1.27478+01	1.47630+01	5.16265+01	1.55454+00	2.01721+00
-.2	1.970-02	1.99438+00	1.24917+01	1.44861+01	5.04471+01	1.75002+00	1.99544+00
.0	1.607-02	1.96988+00	1.22090+01	1.41789+01	4.92514+01	1.94465+00	1.96975+00
.2	1.317-02	1.93971+00	1.18767+01	1.38164+01	4.80186+01	2.13795+00	1.93787+00
.4	1.085-02	1.90213+00	1.14751+01	1.33772+01	4.67321+01	2.32945+00	1.89784+00
.6	9.015-03	1.85638+00	1.09930+01	1.28493+01	4.53842+01	2.51888+00	1.84848+00
.8	7.561-03	1.80321+00	1.04327+01	1.22359+01	4.39810+01	2.70626+00	1.79001+00
1.0	6.414-03	1.745.2+00	9.81130+00	1.15564+01	4.25426+01	2.89204+00	1.72411+00
1.2	5.512-03	1.68607+00	9.15649+00	1.08426+01	4.10977+01	3.07709+00	1.65353+00
1.4	4.807-03	1.63093+00	8.69887+00	1.01298+01	3.96766+01	3.26265+00	1.58130+00
1.6	4.270-03	1.58508+00	7.86538+00	9.45046+00	3.83031+01	3.45026+00	1.51004+00
1.8	3.892-03	1.55448+00	7.27578+00	8.83026+00	3.69913+01	3.64180+00	1.44157+00
2.0	3.713-03	1.54617+00	6.74290+00	8.28907+00	3.57455+01	3.83947+00	1.37686+00
2.2	3.930-03	1.56840+00	6.27751+00	7.84591+00	3.45643+01	4.04567+00	1.31636+00

T= 1230C

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.009-14	1.223-18	2.497-17	5.926-21	.CCC+CO	2.140-32	3.457-32	4.355-13	1.127-14
-6.8	7.991-14	4.851-18	1.025-16	2.374-20	.CCC+CO	2.334-31	3.450-31	1.094-12	2.828-14
-6.6	3.176-13	1.931-17	4.071-16	9.481-20	.CCC+CO	2.327-30	3.439-30	2.764-12	7.091-14
-6.4	1.261-12	7.659-17	1.616-15	3.776-19	.CCC+CO	2.315-29	3.424-29	6.882-12	1.777-13
-6.2	5.001-12	3.033-16	6.403-15	1.500-18	.CCC+CO	2.298-28	3.401-28	1.724-11	4.445-13
-6.0	1.979-11	1.198-15	2.531-14	5.945-18	.CCC+CO	2.271-27	3.365-27	4.314-11	1.110-12
-5.8	7.805-11	4.709-15	9.966-14	2.347-17	.CCC+CO	2.231-26	3.311-26	1.077-10	2.761-12
-5.6	3.063-10	1.839-14	3.902-13	9.222-17	.CCC+CO	2.171-25	3.229-25	2.677-10	6.836-12
-5.4	1.193-11	7.107-14	1.514-12	3.596-16	.CCC+CO	2.081-24	3.107-24	6.629-10	1.679-11
-5.2	4.592-11	2.704-13	5.793-12	1.386-15	.CCC+CO	1.951-23	2.930-23	1.627-09	4.074-11
-5.0	1.738-10	1.006-12	2.173-11	5.259-15	.CCC+CO	1.770-22	2.682-22	3.948-09	9.713-11
-4.8	6.413-10	3.619-12	7.920-11	1.949-14	.CCC+CO	1.532-21	2.351-21	9.414-09	2.258-10
-4.6	2.287-09	1.245-11	2.774-10	6.993-14	.CCC+CO	1.244-20	1.943-20	2.191-08	5.072-10
-4.4	7.790-09	4.042-11	9.225-10	2.407-13	.CCC+CO	9.283-20	1.485-19	4.951-08	1.090-09
-4.2	2.508-08	1.224-10	2.881-09	7.873-13	.CCC+CO	6.261-19	1.033-18	1.070-07	2.221-09
-4.0	7.559-08	3.431-10	8.373-09	2.431-12	.CCC+CO	3.769-18	6.447-18	2.212-07	4.269-09
-3.8	2.122-07	8.853-10	2.257-08	7.060-12	.CCC+CO	2.015-17	3.589-17	4.343-07	7.729-09
-3.6	5.537-07	2.130-09	5.645-08	1.929-11	.CCC+CO	9.599-17	1.786-16	8.086-07	1.322-08
-3.4	1.347-06	4.765-09	1.317-07	4.975-11	.CCC+CO	4.114-16	7.972-16	1.429-06	2.149-08
-3.2	3.070-06	1.004-08	2.986-07	1.216-10	.CCC+CO	1.606-15	3.238-15	2.406-06	3.343-08
-3.0	6.601-06	2.009-08	5.987-07	2.830-10	.CCC+CO	5.791-15	1.210-14	3.875-06	5.012-08
-2.8	1.349-05	3.853-08	1.185-06	6.301-10	.CCC+CO	1.953-14	4.211-14	6.001-06	7.288-08
-2.6	2.636-05	7.139-08	2.255-06	1.348-09	.CCC+CO	6.232-14	1.381-13	8.981-06	1.033-07
-2.4	4.964-05	1.283-07	4.150-06	2.731-09	.CCC+CO	1.900-13	4.308-13	1.306-05	1.435-07
-2.2	9.058-05	2.254-07	7.429-06	5.551-09	.CCC+CO	5.583-13	1.290-12	1.851-05	1.959-07
-2.0	1.610-04	3.883-07	1.300-05	1.075-08	.CCC+CO	1.591-12	3.733-12	2.571-05	2.637-07
-1.8	2.799-04	6.583-07	2.231-05	2.025-08	.CCC+CO	4.423-12	1.051-11	3.510-05	3.510-07
-1.6	4.779-04	1.102-06	3.772-05	3.723-08	.CCC+CO	1.205-11	2.893-11	4.725-05	4.629-07
-1.4	8.037-04	1.824-06	6.294-05	6.693-08	.CCC+CO	3.230-11	7.813-11	6.284-05	6.062-07
-1.2	1.335-03	2.994-06	1.039-04	1.180-07	.CCC+CO	8.541-11	2.078-10	8.277-05	7.874-07
-1.0	2.192-03	4.882-06	1.701-04	2.044-07	.CCC+CO	2.233-10	5.450-10	1.081-04	1.024-06
-.8	3.564-03	7.916-06	2.761-04	3.489-07	.CCC+CO	5.783-10	1.413-09	1.401-04	1.323-06
-.6	5.738-03	1.278-05	4.452-04	5.880-07	.CCC+CO	1.485-09	3.621-09	1.803-04	1.708-06
-.4	9.145-03	2.057-05	7.129-04	9.800-07	.CCC+CO	3.782-09	9.170-09	2.303-04	2.202-06
-.2	1.440-02	3.301-05	1.133-03	1.618-06	.CCC+CO	9.550-09	2.291-08	2.914-04	2.841-06
.0	2.234-02	5.290-05	1.787-03	2.650-06	.CCC+CO	2.389-08	5.627-08	3.644-04	3.671-06
.2	3.401-02	8.467-05	2.789-03	4.308-06	.CCC+CO	5.912-08	1.353-07	4.489-04	4.756-06
.4	5.055-02	1.354-04	4.300-03	6.950-06	.CCC+CO	1.443-07	3.169-07	5.421-04	6.185-06
.6	7.297-02	2.163-04	6.528-03	1.111-05	.CCC+CO	3.469-07	7.181-07	6.392-04	8.078-06
.8	1.018-01	3.449-04	9.734-03	1.754-05	.CCC+CO	8.188-07	1.567-06	7.334-04	1.060-05
1.0	1.371-01	5.475-04	1.422-02	2.719-05	.CCC+CO	1.897-06	3.279-06	8.183-04	1.398-05
1.2	1.778-01	8.639-04	2.033-02	4.108-05	.CCC+CO	4.317-06	6.573-06	8.907-04	1.855-05
1.4	2.225-01	1.350-03	2.841-02	6.003-05	.CCC+CO	9.687-06	1.262-05	9.525-04	2.486-05
1.6	2.695-01	2.086-03	3.881-02	8.415-05	.CCC+CO	2.158-05	2.327-05	1.019-03	3.397-05
1.8	3.170-01	3.174-03	5.180-02	1.126-04	.CCC+CO	4.826-05	4.124-05	1.114-03	4.813-05
2.0	3.636-01	4.741-03	6.757-02	1.434-04	.CCC+CO	1.103-04	7.040-05	1.297-03	7.312-05
2.2	4.079-01	6.902-03	8.591-02	1.743-04	.CCC+CO	2.630-04	1.155-04	1.752-03	1.281-04

T= 1230C

LOG E	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.992-29	8.324-13	2.545-17	2.545-13	3.918-01	2.177-04	1.053-01	1.055-06	2.322-03
-6.8	1.242-28	2.089-12	6.437-17	6.386-13	3.919-01	1.375-04	1.053-01	6.659-07	2.330-03
-6.6	7.812-28	5.241-12	1.623-16	1.601-12	3.919-01	8.684-05	1.052-01	4.204-07	2.335-03
-6.4	4.938-27	1.314-11	4.082-16	4.013-12	3.919-01	5.485-05	1.052-01	2.653-07	2.338-03
-6.2	3.077-26	3.289-11	1.025-15	1.005-11	3.917-01	3.466-05	1.051-01	1.676-07	2.339-03
-6.0	1.923-25	8.221-11	2.568-15	2.510-11	3.915-01	2.191-05	1.049-01	1.058-07	2.339-03
-5.8	1.195-24	2.049-10	6.416-15	6.254-11	3.911-01	1.386-05	1.046-01	6.684-08	2.337-03
-5.6	7.365-24	5.085-10	1.598-14	1.551-10	3.906-01	8.777-06	1.042-01	4.222-08	2.333-03
-5.4	4.482-23	1.253-09	3.959-14	3.821-10	3.896-01	5.568-06	1.036-01	2.669-08	2.327-03
-5.2	2.677-22	3.059-09	9.735-14	9.314-10	3.882-01	3.541-06	1.026-01	1.687-08	2.317-03
-5.0	1.555-21	7.358-09	2.367-13	2.236-09	3.860-01	2.260-06	1.011-01	1.067-08	2.302-03
-4.8	8.672-21	1.732-08	5.668-13	5.251-09	3.826-01	1.449-06	9.899-02	6.759-09	2.279-03
-4.6	4.578-20	3.961-08	1.328-12	1.196-08	3.775-01	9.352-07	9.596-02	4.285-09	2.244-03
-4.4	2.250-19	8.719-08	3.024-12	2.620-08	3.703-01	6.083-07	9.189-02	2.721-09	2.195-03
-4.2	1.015-18	1.832-07	6.657-12	5.473-08	3.602-01	3.991-07	8.668-02	1.731-09	2.128-03
-4.0	4.162-18	3.651-07	1.409-11	1.083-07	3.467-01	2.641-07	8.046-02	1.105-09	2.039-03
-3.8	1.545-17	6.884-07	2.863-11	2.027-07	3.295-01	1.762-07	7.344-02	7.077-10	1.929-03
-3.6	5.211-17	1.229-06	5.582-11	3.590-07	3.087-01	1.182-07	6.596-02	4.551-10	1.798-03
-3.4	1.611-16	2.082-06	1.046-10	6.042-07	2.849-01	7.953-08	5.836-02	2.937-10	1.649-03
-3.2	4.615-16	3.370-06	1.887-10	9.716-07	2.587-01	5.358-08	5.095-02	1.902-10	1.490-03
-3.0	1.239-15	5.236-06	3.291-10	1.501-06	2.313-01	3.606-08	4.396-02	1.235-10	1.326-03
-2.8	3.153-15	7.859-06	5.555-10	2.241-06	2.037-01	2.421-08	3.751-02	8.035-11	1.162-03
-2.6	7.671-15	1.145-05	9.099-10	3.251-06	1.770-01	1.620-08	3.171-02	5.232-11	1.005-03
-2.4	1.800-14	1.626-05	1.449-09	4.604-06	1.517-01	1.079-08	2.658-02	3.408-11	8.592-04
-2.2	4.098-14	2.263-05	2.248-09	6.388-06	1.287-01	7.166-09	2.211-02	2.220-11	7.264-04
-2.0	9.109-14	3.094-05	3.402-09	8.718-06	1.080-01	4.742-09	1.827-02	1.446-11	6.085-04
-1.8	1.985-13	4.171-05	5.033-09	1.173-05	8.992-02	3.128-09	1.502-02	9.421-12	5.057-04
-1.6	4.259-13	5.557-05	7.292-09	1.562-05	7.413-02	2.060-09	1.229-02	6.141-12	4.176-04
-1.4	9.026-13	7.333-05	1.037-08	2.060-05	6.108-02	1.355-09	1.002-02	4.007-12	3.430-04
-1.2	1.893-12	9.604-05	1.450-08	2.699-05	4.995-02	8.904-10	8.150-03	2.619-12	2.806-04
-1.0	3.940-12	1.250-04	1.998-08	3.516-05	4.069-02	5.854-10	6.615-03	1.716-12	2.289-04
-.8	8.153-12	1.618-04	2.719-08	4.563-05	3.303-02	3.853-10	5.363-03	1.128-12	1.865-04
-.6	1.680-11	2.085-04	3.662-08	5.905-05	2.674-02	2.541-10	4.349-03	7.445-13	1.518-04
-.4	3.450-11	2.675-04	4.892-08	7.629-05	2.159-02	1.679-10	3.527-03	4.944-13	1.236-04
-.2	7.072-11	3.417-04	6.492-08	9.854-05	1.738-02	1.113-10	2.867-03	3.307-13	1.009-04
.0	1.449-10	4.342-04	8.575-08	1.274-04	1.395-02	7.392-11	2.338-03	2.233-13	8.275-05
.2	2.970-10	5.482-04	1.129-07	1.650-04	1.114-02	4.925-11	1.915-03	1.526-13	6.823-05
.4	6.096-10	6.864-04	1.481-07	2.145-04	8.846-03	3.289-11	1.578-03	1.057-13	5.671-05
.6	1.255-09	8.506-04	1.937-07	2.803-04	6.973-03	2.203-11	1.309-03	7.443-14	4.761-05
.8	2.595-09	1.041-03	2.519-07	3.687-04	5.456-03	1.480-11	1.094-03	5.344-14	4.043-05
1.0	5.395-09	1.259-03	3.247-07	4.891-04	4.223-03	1.001-11	9.211-04	3.926-14	3.479-05
1.2	1.131-08	1.504-03	4.136-07	6.553-04	3.250-03	6.877-12	7.827-04	2.972-14	3.041-05
1.4	2.399-08	1.787-03	5.198-07	8.898-04	2.497-03	4.869-12	6.732-04	2.350-14	2.715-05
1.6	5.188-08	2.131-03	6.476-07	1.230-03	1.935-03	3.658-12	5.904-04	1.991-14	2.498-05
1.8	1.160-07	2.598-03	8.127-07	1.752-03	1.539-03	3.071-12	5.359-04	1.898-14	2.415-05
2.0	2.762-07	3.349-03	1.065-06	2.636-03	1.297-03	3.193-12	5.182-04	2.246-14	2.537-05
2.2	7.522-07	4.916-03	1.584-06	4.473-03	1.248-03	5.337-12	5.721-04	4.257-14	3.137-05

T= 12300

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.290-05	8.115-05	1.723-06	6.877-06	1.541-04	7.027-05	9.808-07	4.777-09	6.573-07
-6.8	1.445-05	8.179-05	1.096-06	6.545-06	2.442-04	1.114-04	1.559-06	7.627-09	9.908-07
-6.6	9.144-06	8.221-05	6.940-07	6.080-06	3.867-04	1.764-04	2.474-06	1.214-08	1.458-06
-6.4	5.783-06	8.248-05	4.412-07	5.465-06	6.123-04	2.792-04	3.923-06	1.929-08	2.075-06
-6.2	3.657-06	8.268-05	2.795-07	4.713-06	9.687-04	4.414-04	6.211-06	3.060-08	2.832-06
-6.0	2.313-06	8.283-05	1.771-07	3.872-06	1.531-03	6.971-04	9.823-06	4.849-08	3.679-06
-5.8	1.453-06	8.295-05	1.123-07	3.022-06	2.417-03	1.059-03	1.551-05	7.675-08	4.538-06
-5.6	9.266-07	8.314-05	7.139-08	2.249-06	3.807-03	1.726-03	2.443-05	1.213-07	5.327-06
-5.4	5.877-07	8.336-05	4.552-08	1.607-06	5.978-03	2.700-03	3.834-05	1.914-07	5.992-06
-5.2	3.735-07	8.367-05	2.916-08	1.116-06	9.339-03	4.194-03	5.987-05	3.013-07	6.521-06
-5.0	2.382-07	8.413-05	1.882-08	7.603-07	1.448-02	6.448-03	9.276-05	4.724-07	6.932-06
-4.8	1.525-07	8.479-05	1.227-08	5.146-07	2.222-02	9.768-03	1.421-04	7.370-07	7.262-06
-4.6	9.825-08	8.573-05	8.114-09	3.493-07	3.359-02	1.450-02	2.144-04	1.141-06	7.549-06
-4.4	6.373-08	8.701-05	5.461-09	2.397-07	4.978-02	2.098-02	3.169-04	1.751-06	7.830-06
-4.2	4.167-08	8.866-05	3.753-09	1.671-07	7.196-02	2.942-02	4.565-04	2.651-06	8.134-06
-4.0	2.746-08	9.064-05	2.639-09	1.198-07	1.010-01	3.982-02	6.380-04	3.952-06	8.480-06
-3.8	1.822-08	9.286-05	1.896-09	8.773-08	1.372-01	5.196-02	8.627-04	5.787-06	8.878-06
-3.6	1.216-08	9.503-05	1.390-09	6.575-08	1.803-01	6.562-02	1.127-03	8.303-06	9.328-06
-3.4	8.138-09	9.691-05	1.034-09	5.029-08	2.289-01	7.968-02	1.423-03	1.186-05	9.820-06
-3.2	5.454-09	9.817-05	7.769-10	3.911-08	2.815-01	9.419-02	1.741-03	1.599-05	1.034-05
-3.0	3.652-09	9.868-05	5.856-10	3.079-08	3.360-01	1.085-01	2.068-03	2.141-05	1.087-05
-2.8	2.441-09	9.757-05	4.430-10	2.446-08	3.904-01	1.221-01	2.391-03	2.798-05	1.139-05
-2.6	1.626-09	9.529-05	3.333-10	1.955-08	4.428-01	1.348-01	2.702-03	3.569-05	1.189-05
-2.4	1.080-09	9.160-05	2.490-10	1.568-08	4.919-01	1.464-01	2.991-03	4.444-05	1.235-05
-2.2	7.151-10	8.658-05	1.843-10	1.260-08	5.367-01	1.567-01	3.254-03	5.405-05	1.277-05
-2.0	4.721-10	8.045-05	1.349-10	1.014-08	5.765-01	1.657-01	3.488-03	6.427-05	1.315-05
-1.8	3.110-10	7.350-05	9.772-11	8.158-09	6.113-01	1.735-01	3.692-03	7.478-05	1.347-05
-1.6	2.045-10	6.607-05	6.997-11	6.565-09	6.410-01	1.801-01	3.867-03	8.528-05	1.376-05
-1.4	1.344-10	5.850-05	4.957-11	5.283-09	6.660-01	1.857-01	4.017-03	9.547-05	1.400-05
-1.2	8.841-11	5.108-05	3.479-11	4.252-09	6.867-01	1.904-01	4.143-03	1.051-04	1.421-05
-1.0	5.822-11	4.406-05	2.422-11	3.424-09	7.034-01	1.943-01	4.250-03	1.140-04	1.438-05
-.8	3.844-11	3.760-05	1.676-11	2.759-09	7.163-01	1.976-01	4.342-03	1.220-04	1.454-05
-.6	2.549-11	3.182-05	1.155-11	2.227-09	7.255-01	2.004-01	4.422-03	1.292-04	1.469-05
-.4	1.699-11	2.674-05	7.943-12	1.802-09	7.310-01	2.029-01	4.496-03	1.354-04	1.484-05
-.2	1.142-11	2.236-05	5.456-12	1.462-09	7.325-01	2.052-01	4.568-03	1.409-04	1.500-05
.0	7.755-12	1.864-05	3.773-12	1.193-09	7.290-01	2.076-01	4.646-03	1.457-04	1.519-05
.2	5.336-12	1.551-05	2.618-12	9.788-10	7.197-01	2.102-01	4.735-03	1.498-04	1.543-05
.4	3.737-12	1.289-05	1.831-12	8.095-10	7.034-01	2.131-01	4.844-03	1.532-04	1.574-05
.6	2.664-12	1.070-05	1.291-12	6.757-10	6.790-01	2.164-01	4.980-03	1.556-04	1.615-05
.8	1.947-12	8.864-06	9.186-13	5.697-10	6.459-01	2.201-01	5.147-03	1.566-04	1.666-05
1.0	1.465-12	7.295-06	6.598-13	4.852-10	6.043-01	2.237-01	5.347-03	1.553-04	1.729-05
1.2	1.145-12	5.946-06	4.794-13	4.179-10	5.554-01	2.269-01	5.578-03	1.507-04	1.802-05
1.4	9.447-13	4.789-06	3.554-13	3.647-10	5.009-01	2.286-01	5.837-03	1.419-04	1.884-05
1.6	8.463-13	3.823-06	2.746-13	3.242-10	4.430-01	2.288-01	6.117-03	1.284-04	1.973-05
1.8	8.690-13	3.064-06	2.318-13	2.970-10	3.838-01	2.257-01	6.412-03	1.110-04	2.067-05
2.0	1.133-12	2.544-06	2.366-13	2.869-10	3.251-01	2.187-01	6.717-03	9.117-05	2.166-05
2.2	2.454-12	2.365-06	3.807-13	3.112-10	2.691-01	2.063-01	7.025-03	7.112-05	2.267-05

T= 12300

LOG D	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	5.000-01	3.98163+00	4.15763+01	4.55476+01	1.28074+02	-4.74618+00	3.98201+00
-6.8	4.999-01	3.98065+00	4.15579+01	4.55385+01	1.28222+02	-4.54629+00	3.98113+00
-6.6	4.998-01	3.97946+00	4.15387+01	4.55181+01	1.28370+02	-4.34642+00	3.98007+00
-6.4	4.996-01	3.97785+00	4.15147+01	4.54926+01	1.28513+02	-4.14659+00	3.97862+00
-6.2	4.993-01	3.97549+00	4.14809+01	4.54564+01	1.28648+02	-3.94685+00	3.97646+00
-6.0	4.989-01	3.97192+00	4.14304+01	4.54024+01	1.28768+02	-3.74724+00	3.97314+00
-5.8	4.982-01	3.96646+00	4.13530+01	4.53194+01	1.28862+02	-3.54784+00	3.96798+00
-5.6	4.972-01	3.95805+00	4.12333+01	4.51913+01	1.28918+02	-3.34876+00	3.95995+00
-5.4	4.956-01	3.94517+00	4.10488+01	4.49946+01	1.28913+02	-3.15018+00	3.94754+00
-5.2	4.932-01	3.92559+00	4.07670+01	4.46926+01	1.28819+02	-2.95234+00	3.92854+00
-5.0	4.895-01	3.89632+00	4.03436+01	4.42399+01	1.28596+02	-2.75559+00	3.89994+00
-4.8	4.839-01	3.85355+00	3.97227+01	4.35762+01	1.28188+02	-2.56038+00	3.85796+00
-4.6	4.758-01	3.79313+00	3.88427+01	4.26358+01	1.27547+02	-2.36724+00	3.79842+00
-4.4	4.645-01	3.71145+00	3.76497+01	4.13611+01	1.26625+02	-2.17670+00	3.71766+00
-4.2	4.491-01	3.60676+00	3.61173+01	3.97241+01	1.25406+02	-1.98912+00	3.61389+00
-4.0	4.293-01	3.48046+00	3.42648+01	3.77453+01	1.23915+02	-1.80460+00	3.48842+00
-3.8	4.050-01	3.33732+00	3.21616+01	3.54998+01	1.22180+02	-1.62284+00	3.34594+00
-3.6	3.766-01	3.18458+00	2.99138+01	3.30984+01	1.20249+02	-1.44319+00	3.19366+00
-3.4	3.450-01	3.03022+00	2.76391+01	3.06694+01	1.18174+02	-1.26477+00	3.03952+00
-3.2	3.113-01	2.88142+00	2.54430+01	2.83245+01	1.16009+02	-1.08663+00	2.89073+00
-3.0	2.767-01	2.74345+00	2.34042+01	2.61476+01	1.13802+02	-9.07940-01	2.75257+00
-2.8	2.425-01	2.61951+00	2.15705+01	2.41906+01	1.11584+02	-7.28820-01	2.62831+00
-2.6	2.098-01	2.51097+00	1.99627+01	2.24737+01	1.09378+02	-5.46400-01	2.51933+00
-2.4	1.793-01	2.41780+00	1.85811+01	2.09989+01	1.07199+02	-3.62820-01	2.42565+00
-2.2	1.516-01	2.33936+00	1.74127+01	1.97514+01	1.05064+02	-1.77200-01	2.34636+00
-2.0	1.270-01	2.27330+00	1.64355+01	1.87088+01	1.02980+02	1.04200-02	2.28004+00
-1.8	1.056-01	2.21885+00	1.56264+01	1.78452+01	1.00950+02	1.99890-01	2.22504+00
-1.6	8.719-02	2.17401+00	1.49602+01	1.71342+01	9.89077+01	3.91020-01	2.17965+00
-1.4	7.162-02	2.13712+00	1.44133+01	1.65504+01	9.71694+01	5.83590-01	2.14223+00
-1.2	5.858-02	2.10663+00	1.39636+01	1.60702+01	9.57418+01	7.77350-01	2.11122+00
-1.0	4.777-02	2.08109+00	1.35908+01	1.56719+01	9.54048+01	9.72050-01	2.08515+00
-.8	3.886-02	2.05907+00	1.32758+01	1.53349+01	9.41367+01	1.16743+00	2.06259+00
-.6	3.161-02	2.03913+00	1.30002+01	1.50393+01	9.29178+01	1.36320+00	2.04205+00
-.4	2.569-02	2.01972+00	1.27450+01	1.47648+01	9.17278+01	1.55905+00	2.02192+00
-.2	2.091-02	1.99907+00	1.24900+01	1.44891+01	9.05476+01	1.75459+00	2.00037+00
.0	1.706-02	1.97522+00	1.22130+01	1.41882+01	8.93551+01	1.94937+00	1.97530+00
.2	1.398-02	1.94809+00	1.18910+01	1.38371+01	8.81300+01	2.14292+00	1.94445+00
.4	1.151-02	1.90987+00	1.15036+01	1.34134+01	8.68544+01	2.33476+00	1.90574+00
.6	9.558-03	1.86558+00	1.10374+01	1.29036+01	8.55186+01	2.52457+00	1.85781+00
.8	8.010-03	1.81371+00	1.04923+01	1.23060+01	8.41261+01	2.71233+00	1.80059+00
1.0	6.799-03	1.75652+00	9.88273+00	1.16393+01	8.26944+01	2.89841+00	1.73553+00
1.2	5.828-03	1.69784+00	9.23478+00	1.09326+01	8.12512+01	3.08366+00	1.66522+00
1.4	5.079-03	1.64253+00	8.67885+00	1.02214+01	7.98264+01	3.26927+00	1.59271+00
1.6	4.508-03	1.59609+00	7.94271+00	9.53875+00	7.84450+01	3.45681+00	1.52071+00
1.8	4.110-03	1.56459+00	7.34746+00	8.91205+00	7.71228+01	3.64816+00	1.45120+00
2.0	3.927-03	1.55518+00	6.80739+00	8.36257+00	7.58654+01	3.84554+00	1.38530+00
2.2	4.179-03	1.57605+00	6.33489+00	7.91094+00	7.46733+01	4.05133+00	1.32359+00

T= 1240.

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.465-16	9.373-18	1.937-17	4.383-21	.CCC+CO	1.532-32	2.214-32	3.625-13	9.600-15
-6.8	5.820-16	3.725-18	7.703-17	1.759-20	.CCC+CO	1.520-31	2.210-31	9.104-13	2.409-14
-6.6	2.317-15	1.480-17	3.061-16	7.031-20	.CCC+CO	1.524-30	2.204-30	2.285-12	6.042-14
-6.4	9.201-15	5.872-17	1.215-15	2.803-19	.CCC+CO	1.517-29	2.195-29	5.732-12	1.514-13
-6.2	3.650-14	2.326-16	4.817-15	1.115-18	.CCC+CO	1.506-28	2.181-28	1.437-11	3.790-13
-6.0	1.445-13	9.199-16	1.906-14	4.420-18	.CCC+CO	1.491-27	2.161-27	3.595-11	9.468-13
-5.8	5.706-13	3.619-15	7.512-14	1.747-17	.CCC+CO	1.467-26	2.129-26	8.981-11	2.358-12
-5.6	2.242-12	1.416-14	2.948-13	6.873-17	.CCC+CO	1.431-25	2.082-25	2.236-10	5.847-12
-5.4	8.752-12	5.490-14	1.146-12	2.686-16	.CCC+CO	1.378-24	2.012-24	5.543-10	1.439-11
-5.2	3.381-11	2.099-13	4.403-12	1.039-15	.CCC+CO	1.301-23	1.908-23	1.364-09	3.535-11
-5.0	1.286-10	7.885-13	1.661-11	3.909-15	.CCC+CO	1.191-22	1.762-22	3.320-09	8.599-11
-4.8	4.779-10	2.953-12	6.105-11	1.477-14	.CCC+CO	1.045-21	1.564-21	7.957-09	1.967-10
-4.6	1.721-09	9.062-12	2.162-10	5.347-14	.CCC+CO	8.639-21	1.314-20	1.855-08	4.460-10
-4.4	5.938-09	3.280-11	7.296-10	1.661-13	.CCC+CO	6.599-20	1.026-19	4.243-08	9.701-10
-4.2	1.942-08	1.012-10	2.317-09	6.172-13	.CCC+CO	4.574-19	7.324-19	9.234-08	2.005-09
-4.0	5.987-08	2.694-10	6.864-09	1.936-12	.CCC+CO	2.837-18	4.764-18	1.946-07	3.913-09
-3.8	1.703-07	7.664-10	1.886-08	5.704-12	.CCC+CO	1.563-17	2.698-17	3.872-07	7.193-09
-3.6	4.530-07	1.868-09	4.609-08	1.582-11	.CCC+CO	7.666-17	1.389-16	7.389-07	1.248-08
-3.4	1.122-06	4.250-09	1.141-07	4.136-11	.CCC+CO	3.372-16	6.333-16	1.339-06	2.053-08
-3.2	2.599-06	9.082-09	2.540-07	1.024-10	.CCC+CO	1.347-15	2.633-15	2.231-06	3.228-08
-3.0	5.669-06	1.840-08	5.340-07	2.409-10	.CCC+CO	4.949-15	1.004-14	3.634-06	4.883-08
-2.8	1.173-05	3.565-08	1.069-06	5.416-10	.CCC+CO	1.696-14	3.556-14	5.684-06	7.152-08
-2.6	2.318-05	6.657-08	2.054-06	1.169-09	.CCC+CO	5.485-14	1.183-13	8.580-06	1.020-07
-2.4	4.405-05	1.206-07	3.810-06	2.431-09	.CCC+CO	1.691-13	3.735-13	1.256-05	1.424-07
-2.2	8.099-05	2.130-07	6.866-06	4.886-09	.CCC+CO	5.011-13	1.130-12	1.793-05	1.952-07
-2.0	1.449-04	3.686-07	1.208-05	9.521-09	.CCC+CO	1.438-12	3.296-12	2.503-05	2.636-07
-1.8	2.532-04	6.272-07	2.083-05	1.804-08	.CCC+CO	4.023-12	9.343-12	3.433-05	3.520-07
-1.6	4.343-04	1.053-06	3.535-05	3.332-08	.CCC+CO	1.101-11	2.585-11	4.637-05	4.653-07
-1.4	7.330-04	1.748-06	5.917-05	6.015-08	.CCC+CO	2.963-11	7.015-11	6.187-05	6.106-07
-1.2	1.221-03	2.875-06	9.794-05	1.066-07	.CCC+CO	7.861-11	1.872-10	8.171-05	7.964-07
-1.0	2.010-03	4.699-06	1.606-04	1.850-07	.CCC+CO	2.061-10	4.927-10	1.070-04	1.034-06
-.8	3.277-03	7.622-06	2.613-04	3.166-07	.CCC+CO	5.349-10	1.281-09	1.390-04	1.338-06
-.6	5.268-03	1.232-05	4.219-04	5.347-07	.CCC+CO	1.376-09	3.291-09	1.792-04	1.729-06
-.4	8.446-03	1.984-05	6.767-04	8.920-07	.CCC+CO	3.511-09	8.356-09	2.294-04	2.231-06
-.2	1.336-02	3.186-05	1.077-03	1.477-06	.CCC+CO	8.884-09	2.093-08	2.910-04	2.840-06
.0	2.075-02	5.107-05	1.702-03	2.422-06	.CCC+CO	2.227-08	5.160-08	3.651-04	3.722-06
.2	3.171-02	8.175-05	2.661-03	3.942-06	.CCC+CO	5.523-08	1.246-07	4.515-04	4.824-06
.4	4.735-02	1.307-04	4.112-03	6.370-06	.CCC+CO	1.352-07	2.932-07	5.480-04	6.276-06
.6	6.873-02	2.088-04	6.259-03	1.020-05	.CCC+CO	3.259-07	6.684-07	6.501-04	8.200-06
.8	9.651-02	3.328-04	9.362-03	1.614-05	.CCC+CO	7.720-07	1.466-06	7.511-04	1.077-05
1.0	1.307-01	5.266-04	1.373-02	2.512-05	.CCC+CO	1.795-06	3.093-06	8.445-04	1.422-05
1.2	1.706-01	8.344-04	1.969-02	3.817-05	.CCC+CO	4.102-06	6.243-06	9.266-04	1.891-05
1.4	2.149-01	1.305-03	2.761-02	5.617-05	.CCC+CO	9.242-06	1.207-05	1.000-03	2.543-05
1.6	2.617-01	2.019-03	3.783-02	7.941-05	.CCC+CO	2.067-05	2.239-05	1.077-03	3.447-05
1.8	3.094-01	3.075-03	5.066-02	1.072-04	.CCC+CO	4.640-05	3.989-05	1.186-03	4.962-05
2.0	3.565-01	4.601-03	6.627-02	1.379-04	.CCC+CO	1.064-04	6.841-05	1.393-03	7.579-05
2.2	4.013-01	6.703-03	8.445-02	1.690-04	.CCC+CO	2.544-04	1.127-04	1.9 [illegible]-03	1.339-04

T= 1240.

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.550-29	6.761-13	2.119-17	2.235-13	3.917-01	2.756-04	1.053-01	1.392-06	2.316-03
-6.8	9.758-29	1.702-11	5.368-17	5.607-13	3.918-01	1.741-04	1.053-01	8.790-07	2.326-03
-6.6	6.140-28	4.270-12	1.355-16	1.406-12	3.919-01	1.099-04	1.053-01	5.550-07	2.333-03
-6.4	3.859-27	1.071-11	3.411-16	3.525-12	3.919-01	6.944-05	1.052-01	3.504-07	2.337-03
-6.2	2.421-26	2.682-11	8.570-16	8.827-12	3.918-01	4.387-05	1.051-01	2.212-07	2.338-03
-6.0	1.514-25	6.706-11	2.148-15	2.207-11	3.916-01	2.773-05	1.050-01	1.397-07	2.339-03
-5.8	9.424-25	1.673-10	5.373-15	5.502-11	3.913-01	1.754-05	1.047-01	8.823-08	2.337-03
-5.6	5.823-24	4.156-10	1.339-14	1.367-10	3.907-01	1.110-05	1.044-01	5.574-08	2.335-03
-5.4	3.557-23	1.027-09	3.323-14	3.373-10	3.899-01	7.042-06	1.038-01	3.523-08	2.329-03
-5.2	2.136-22	2.513-09	8.190-14	8.247-10	3.886-01	4.475-06	1.029-01	2.227-08	2.321-03
-5.0	1.251-21	6.069-09	1.998-13	1.989-09	3.866-01	2.853-06	1.016-01	1.409-08	2.307-03
-4.8	7.057-21	1.438-08	4.805-13	4.700-09	3.836-01	1.828-06	9.961-02	8.920-09	2.287-03
-4.6	3.784-20	3.315-08	1.132-12	1.080-08	3.791-01	1.178-06	9.682-02	5.653-09	2.257-03
-4.4	1.897-19	7.374-08	2.599-12	2.392-08	3.724-01	7.644-07	9.302-02	3.588-09	2.213-03
-4.2	8.758-19	1.569-07	5.772-12	5.060-08	3.631-01	5.005-07	8.810-02	2.282-09	2.151-03
-4.0	3.681-18	3.171-07	1.234-11	1.016-07	3.506-01	3.306-07	8.212-02	1.456-09	2.070-03
-3.8	1.402-17	6.066-07	2.533-11	1.929-07	3.344-01	2.201-07	7.527-02	9.315-10	1.966-03
-3.6	4.842-17	1.098-06	4.988-11	3.463-07	3.145-01	1.475-07	6.788-02	5.984-10	1.841-03
-3.4	1.529-16	1.885-06	9.433-11	5.903-07	2.914-01	9.927-08	6.028-02	3.869-10	1.698-03
-3.2	4.463-16	3.085-06	1.717-10	9.597-07	2.658-01	6.691-08	5.280-02	2.499-10	1.542-03
-3.0	1.217-15	4.842-06	3.018-10	1.497-06	2.386-01	4.507-08	4.569-02	1.622-10	1.378-03
-2.8	3.137-15	7.328-06	5.131-10	2.255-06	2.110-01	3.030-08	3.909-02	1.055-10	1.214-03
-2.6	7.716-15	1.075-05	8.459-10	3.294-06	1.839-01	2.030-08	3.313-02	6.872-11	1.054-03
-2.4	1.826-14	1.537-05	1.355-09	4.693-06	1.582-01	1.355-08	2.782-02	4.478-11	9.044-04
-2.2	4.189-14	2.150-05	2.113-09	6.545-06	1.346-01	9.012-09	2.319-02	2.919-11	7.672-04
-2.0	9.365-14	2.953-05	3.215-09	8.969-06	1.133-01	5.972-09	1.920-02	1.903-11	6.445-04
-1.8	2.051-13	3.995-05	4.778-09	1.211-05	9.452-02	3.947-09	1.581-02	1.241-11	5.370-04
-1.6	4.418-13	5.339-05	6.951-09	1.617-05	7.829-02	2.603-09	1.295-02	8.095-12	4.443-04
-1.4	9.392-13	7.064-05	9.920-09	2.139-05	6.445-02	1.714-09	1.057-02	5.286-12	3.656-04
-1.2	1.975-12	9.271-05	1.392-08	2.807-05	5.278-02	1.128-09	8.607-03	3.458-12	2.996-04
-1.0	4.121-12	1.209-04	1.923-08	3.683-05	4.305-02	7.428-10	6.992-03	2.267-12	2.447-04
-.8	8.542-12	1.567-04	2.624-08	4.760-05	3.500-02	4.896-10	5.673-03	1.492-12	1.995-04
-.6	1.762-11	2.023-04	3.542-08	6.166-05	2.836-02	3.233-10	4.601-03	9.855-13	1.625-04
-.4	3.624-11	2.599-04	4.740-08	7.975-05	2.293-02	2.140-10	3.734-03	6.549-13	1.325-04
-.2	7.437-11	3.325-04	6.302-08	1.031-04	1.848-02	1.420-10	3.036-03	4.385-13	1.082-04
.0	1.525-10	4.233-04	8.336-08	1.333-04	1.485-02	9.457-11	2.476-03	2.963-13	8.849-05
.2	3.127-10	5.356-04	1.099-07	1.727-04	1.188-02	6.318-11	2.028-03	2.026-13	7.313-05
.4	6.422-10	6.724-04	1.445-07	2.246-04	9.458-03	4.234-11	1.671-03	1.405-13	6.077-05
.6	1.322-09	8.360-04	1.896-07	2.936-04	7.477-03	2.848-11	1.386-03	9.910-14	5.101-05
.8	2.734-09	1.028-03	2.472-07	3.857-04	5.865-03	1.924-11	1.159-03	7.132-14	4.332-05
1.0	5.684-09	1.248-03	3.203-07	5.113-04	4.563-03	1.310-11	9.769-04	5.257-14	3.730-05
1.2	1.192-08	1.499-03	4.108-07	6.847-04	3.528-03	9.064-12	8.315-04	3.998-14	3.265-05
1.4	2.528-08	1.790-03	5.211-07	9.292-04	2.724-03	6.473-12	7.168-04	3.180-14	2.920-05
1.6	5.470-08	2.146-03	6.565-07	1.285-03	2.122-03	4.910-12	6.305-04	2.716-14	2.694-05
1.8	1.225-07	2.633-03	8.342-07	1.831-03	1.696-03	4.170-12	5.743-04	2.612-14	2.612-05
2.0	2.923-07	3.418-03	1.108-06	2.760-03	1.439-03	4.402-12	5.578-04	3.133-14	2.756-05
2.2	8.007-07	5.059-03	1.674-06	4.708-03	1.396-03	7.569-12	6.203-04	6.101-14	3.432-05

T= 1240C

LOG C	A**	C+	C**	NE+	N	O	A	C	NE
-7.0	2.644-05	8.077-05	2.090-06	6.974-C6	1.368-C6	6.259-05	8.589-07	4.319-09	5.589-07
-6.8	1.804-05	8.155-05	1.732-06	6.688-C6	2.167-04	9.913-05	1.367-06	6.907-09	8.687-07
-6.6	1.142-05	8.205-05	8.468-07	6.275-C6	3.433-04	1.570-04	2.170-06	1.101-08	1.762-06
-6.4	7.226-06	8.238-05	5.369-07	5.719-C6	5.435-04	2.494-04	3.442-06	1.750-08	1.820-06
-6.2	4.570-06	8.261-05	3.403-07	5.01A-C6	8.601-04	3.928-04	5.453-06	2.777-08	2.527-06
-6.0	2.890-06	8.278-05	2.156-07	4.201-C6	1.36C-03	6.206-04	8.627-06	4.403-08	3.368-06
-5.8	1.829-06	8.293-05	1.367-07	3.344-C6	2.148-03	9.796-04	1.363-05	6.971-08	4.213-06
-5.6	1.158-06	8.309-05	8.685-08	2.534-C6	3.385-03	1.539-03	2.149-05	1.102-07	5.038-06
-5.4	7.342-07	8.329-05	5.533-08	1 838-C6	5.319-03	2.410-03	3.375-05	1.740-07	5.755-06
-5.2	4.664-07	8.357-05	3.540-08	1.289-C6	8.322-03	3.751-03	5.279-05	2.741-07	6.336-06
-5.0	2.972-07	8.398-05	2.280-08	8.84o-C7	1.293-C2	5.784-03	8.198-05	4.332-07	6.791-06
-4.8	1.902-07	8.458-05	1.472-08	6.C04-C7	1.99C-02	8.80C-03	1.260-C4	6.721-07	7.151-06
-4.6	1.223-07	8.543-05	9.762-C9	4.074-C7	3.C22-C2	1.314-02	1.911-C4	1.043-06	7.455-06
-4.4	7.925-08	8.661-05	6.538-09	2.790-C7	4.5C3-C2	1.915-02	2.841-04	1.604-06	7.741-06
-4.2	5.174-08	8.814-05	4.464-09	1.941-C7	6.554-C2	2.707-02	4.124-04	2.436-06	8.041-06
-4.0	3.496-08	9.002-05	3.122-09	1.387-C7	9.273-C2	3.898-02	5.815-04	3.647-06	8.378-06
-3.8	2.259-08	9.214-05	2.231-09	1.005-C7	1.271-01	4.871-02	7.937-04	5.363-06	8.764-06
-3.6	1.507-08	9.431-05	1.627-09	7.489-C8	1.684-01	6.187-02	1.047-03	7.733-06	9.202-06
-3.4	1.010-08	9.625-05	1.206-09	5.701-C8	2.157-01	7.596-02	1.335-03	1.091-05	9.685-06
-3.2	6.773-09	9.763-05	9.040-10	4.416-C8	2.674-01	9.C45-02	1.647-03	1.504-05	1.020-05
-3.0	4.543-09	9.813-05	6.818-10	3.468-C8	3.216-01	1.049-01	1.973-03	2.025-05	1.073-05
-2.8	3.041-09	9.747-05	5.148-10	2.75C-C8	3.762-01	1.187-01	2.299-03	2.661-05	1.129-05
-2.6	2.031-09	9.546-05	3.875-10	2.195-C8	4.293-01	1.316-01	2.613-03	3.412-05	1.176-05
-2.4	1.352-09	9.205-05	2.899-10	1.76C-C8	4.793-01	1.435-01	2.909-03	4.270-05	1.223-05
-2.2	8.966-10	8.729-05	2.150-10	1.414-C8	5.252-01	1.541-01	3.180-03	5.218-05	1.267-05
-2.0	5.930-10	8.138-05	1 578-10	1.137-C8	5.644-01	1.635-01	3.423-03	6.231-05	1.305-05
-1.8	3.913-10	7.459-05	1.146-10	9.15C-C9	6.C24-01	1.715-01	3.635-03	7.280-05	1.339-05
-1.6	2.578-10	6.725-05	8.223-11	7.369-C9	6.335-01	1.784-01	3.819-03	8.333-05	1.369-05
-1.4	1.697-10	5.971-05	5.841-11	5.932-C9	6.597-01	1.843-01	3.975-03	9.360-05	1.394-05
-1.2	1.118-10	5.227-05	4.109-11	4.776-C9	6.814-01	1.892-01	4.108-03	1.033-04	1.415-05
-1.0	7.369-11	4.519-05	2.868-11	3.847-C9	6.991-01	1.933-01	4.221-03	1.124-04	1.434-05
-.8	4.871-11	3.865-05	1.989-11	3.101-C9	7.129-01	1.967-01	4.317-03	1.206-04	1.450-05
-.6	3.233-11	3.276-05	1.373-11	2.503-C9	7.230-01	1.997-01	4.400-03	1.279-04	1.465-05
-.4	2.158-11	2.758-05	9.465-12	2.025-C9	7.294-01	2.022-01	4.476-03	1.343-04	1.480-05
-.2	1.452-11	2.309-05	6.526-12	1.644-C9	7.317-01	2.046-01	4.550-03	1.399-04	1.496-05
.0	9.864-12	1.927-05	4.513-12	1.340-C9	7.293-01	2.070-01	4.627-03	1.448-04	1.515-05
.2	6.792-12	1.605-05	3.139-12	1.100-C9	7.212-01	2.095-01	4.715-03	1.491-04	1.538-05
.4	4.755-12	1.337-05	2.200-12	9.092-10	7.062-01	2.123-01	4.821-03	1.526-04	1.568-05
.6	3.398-12	1.112-05	1.557-12	7.587-10	6.833-01	2.156-01	4.953-03	1.553-04	1.607-05
.8	2.489-12	9.239-06	1.113-12	6.396-10	6.517-01	2.191-01	5.115-03	1.566-04	1.657-05
1.0	1.878-12	7.639-C6	8.052-13	5.451-10	6.115-01	2.227-01	5.310-03	1.559-04	1.718-05
1.2	1.475-12	6.268-06	5.907-13	4.701-10	5.636-01	2.258-01	5.538-03	1.520-04	1.789-05
1.4	1.223-12	5.092-06	4.433-13	4.11C-10	5.C98-01	2.278-01	5.794-03	1.446-04	1.870-05
1.6	1.103-12	4.1C9-06	3.476-13	3.663-10	4.521-01	2.279-01	6.073-03	1.313-04	1.959-05
1.8	1.142-12	3.332-06	2.986-13	3.366-10	3.928-01	2.251-01	6.368-03	1.165-04	2.054-05
2.0	1.510-12	2.802-06	3.115-13	3.266-10	3.335-C1	2.183-01	6.674-03	9.434-05	2.153-05
2.2	3.360-12	2.645-06	5.188-13	3.571-10	2.756-C1	2.06C-01	6.984-03	7.468-05	2.254-05

T= 1240C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.C01-01	3.98199+C0	4.13041+01	4.52881+C1	1.28134+C2	-4.74262+00	3.98237+00
-6.8	4.999-01	3.99097+C0	4.12859+01	4.52669+01	1.28285+02	-4.54274+00	3.98145+00
-6.6	4.998-01	3.97983+C0	4.12665+01	4.52466+01	1.28433+02	-4.34286+00	3.98043+00
-6.4	4.996-01	3.97832+C0	4.12438+01	4.52221+01	1.22577+02	-4.14302+00	3.97908+00
-6.2	4.994-01	3.97617+C0	4.12129+01	4.51891+C1	1.2C715+02	-3.94326+00	3.97713+00
-6.0	4.990-01	3.97295+C0	4.11677+01	4.51406+01	1.18839+02	-3.74361+00	3.97415+00
-5.8	4.984-01	3.96804+C0	4.10987+01	4.50668+C1	1.16942+02	-3.54415+00	3.96954+00
-5.6	4.975-01	3.96050+C0	4.09924+01	4.49525+C1	1.15010+C2	-3.34497+00	3.96238+00
-5.4	4.961-01	3.94893+C0	4.08284+01	4.47773+C1	1.13024+02	-3.14625+00	3.95128+00
-5.2	4.939-01	3.93132+C0	4.05773+01	4.45086+01	1.1C959+02	-2.94819+00	3.93423+00
-5.0	4.906-01	3.90485+C0	4.01982+01	4.41C3C+01	1.08775+02	-2.75112+00	3.90845+00
-4.8	4.856-01	3.86594+C0	3.96384+01	4.35C43+01	1.C6425+02	-2.55547+00	3.87034+00
-4.6	4.782-01	3.81045+C0	3.88372+01	4.26477+01	1.03856+02	-2.36175+00	3.81575+00
-4.4	4.678-01	3.73451+C0	3.77377+01	4.14722+01	1.01018+02	-2.17049+00	3.74078+00
-4.2	4.535-01	3.63578+C0	3.63046+01	3.99404+01	9.78870+01	-1.98213+00	3.64302+00
-4.0	4.349-01	3.51476+C0	3.45442+01	3.80595+01	9.44793+01	-1.79683+00	3.52290+00
-3.8	4.117-01	3.37540+C0	3.25130+01	3.58984+C1	9.08612+01	-1.61440+00	3.38428+00
-3.6	3.843-01	3.22442+00	3.03090+01	3.35335+01	8.71373+01	-1.43427+00	3.23384+00
-3.4	3.535-01	3.06980+00	2.80485+01	3.11183+01	8.34272+01	-1.25561+00	3 07352+00
-3.2	3.202-01	2.91933+C0	2.58409+C1	2.87599+C1	7.98409+01	-1.07749+00	2.92881+00
-3.0	2.858-01	2.77791+00	2.37719+01	2.65498+01	7.64607+01	-8.99010-01	2.78755+00
-2.8	2.514-01	2.65018+00	2.18967+C1	2.45469+01	7.33363+01	-7.19450-01	2.65952+00
-2.6	2.182-01	2.53764+00	2.02425+01	2.27802+01	7.04883+01	-5.38290-01	2.54654+00
-2.4	1.871-01	2.44056+C0	1.88141+01	2.12546+01	6.75143+01	-3.55230-01	2.44895+00
-2.2	1.587-01	2.35822+C0	1.76010+C1	1.99593+C1	6.55568+01	-1.70140-01	2.36604+00
-2.0	1.333-01	2.28925+C0	1.65842+C1	1.88735+01	6.35104+01	1.69700-02	2.29649+00
-1.8	1.110-01	2.23203+00	1.57401+01	1.79721+01	6.16257+01	2.05980-01	2.23868+00
-1.6	9.184-02	2.18484+C0	1.50441+C1	1.7229C+01	5.99131+01	3.96700-01	2.19092+00
-1.4	7.556-02	2.14601+00	1.44723+01	1.66183+01	5.83443+01	5.88910-01	2.15153+00
-1.2	6.189-02	2.11396+00	1.40022+01	1.61162+C1	5.68936+01	7.82370-01	2.11892+00
-1.0	5.053-02	2.08720+C0	1.36133+01	1.57C05+C1	5.55375+01	9.76840-01	2.09161+00
-.8	4.116-02	2.06429+00	1.32862+01	1.53305+C1	5.42546+01	1.1725C+00	2.06813+00
-.6	3.348-02	2.04379+C0	1.30023+01	1.50461+01	5.30250+01	1.36771+00	2.04700+00
-.4	2.723-02	2.02415+C0	1.27429+01	1.47671+01	5.18289+01	1.56352+00	2.02662+00
-.2	2.217-02	2.CC365+C0	1.24879+01	1.44915+C1	5.06464+01	1.75910+00	2.00520+00
.0	1.809-02	1.98C34+C0	1.22154+01	1.41958+01	4.94564+01	1.95401+00	1.98065+00
.2	1.482-02	1.95215+C0	1.19026+01	1.38547+C1	4.82379+01	2.14779+00	1.95071+00
.4	1.221-02	1.91718+C0	1.15281+01	1.34453+01	4.69722+01	2.33994+00	1.91323+00
.6	1.013-02	1.87430+C0	1.10771+01	1.29514+01	4.56479+01	2.53011+00	1.86664+00
.8	8.480-03	1.82374+C0	1.05470+01	1.23707+01	4.42660+01	2.71824+00	1.81072+00
1.0	7.180-03	1.76751+C0	9.94950+00	1.1717C+01	4.28415+01	2.90464+00	1.74655+00
1.2	6.158-03	1.70928+00	9.30909+C0	1.10184+01	4.14CC6+01	3.09009+00	1.67660+00
1.4	5.362-03	1.65389+C0	8.65569+CC	1.C3C96+01	3.99730+01	3.2757C+00	1.60389+00
1.6	4.757-03	1.60692+C0	8.01772+00	9.62464+CC	3.85847+01	3.44327+00	1.53124+00
1.8	4.338-03	1.57460+C0	7.41754+00	8.99214+CC	3.72527+01	3.65445+00	1.46075+00
2.0	4.152-03	1.56413+C0	6.87087+C0	8.435CC+CC	3.59843+01	3.85155+00	1.39369+00
2.2	4.441-03	1.58364+C0	6.39179+CC	7.97543+CC	3.47817+01	4.05693+00	1.33093+00

T= 12500

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.073-16	7.213-19	1.461-17	3.253-21	.CCC+CO	1.009-32	1.427-32	3.030-13	9.200-15
-6.8	4.267-16	2.867-18	5.811-17	1.309-20	.CCC+CC	1.007-31	1.425-31	7.610-13	2.058-14
-6.6	1.696-15	1.139-17	2.309-16	5.236-20	.CCC+CO	1.004-30	1.421-30	1.910-12	5.162-14
-6.4	6.740-15	4.521-17	9.171-16	2.089-19	.CCC+CO	9.999-30	1.416-29	4.743-12	1.294-13
-6.2	2.675-14	1.792-16	3.637-15	8.314-19	.CCC+CO	9.937-29	1.408-28	1.202-11	3.240-13
-6.0	1.060-13	7.086-16	1.440-14	3.300-18	.CCC+CO	9.844-28	1.396-27	3.009-11	8.098-13
-5.8	4.186-13	2.793-15	5.681-14	1.306-17	.CCC+CO	9.703-27	1.379-26	7.519-11	2.019-12
-5.6	1.647-12	1.095-14	2.231-13	5.143-17	.CCC+CO	9.490-26	1.351-25	1.874-10	5.011-12
-5.4	6.463-12	4.255-14	8.699-13	2.014-16	.CCC+CO	9.172-25	1.309-24	4.651-10	1.236-11
-5.2	2.496-11	1.633-13	3.354-12	7.811-16	.CCC+CO	8.706-24	1.249-23	1.147-09	3.020-11
-5.0	9.534-11	6.149-13	1.272-11	2.989-15	.CCC+CO	8.043-23	1.162-22	2.801-09	7.270-11
-4.8	3.567-10	2.253-12	4.710-11	1.122-14	.CCC+CO	7.143-22	1.043-21	6.743-09	1.713-10
-4.6	1.298-09	7.940-12	1.685-10	4.095-14	.CCC+CO	6.003-21	8.897-21	1.590-08	3.921-10
-4.4	4.526-09	2.659-11	5.763-10	1.441-13	.CCC+CO	4.695-20	7.091-20	3.449-08	8.625-10
-4.2	1.502-08	8.350-11	1.880-09	4.839-13	.CCC+CO	3.333-19	5.185-19	8.076-08	1.807-09
-4.0	4.686-08	2.436-10	5.613-09	1.538-12	.CCC+CO	2.128-18	3.424-18	1.711-07	3.579-09
-3.8	1.365-07	6.562-10	1.572-08	4.606-12	.CCC+CO	1.208-17	2.021-17	3.451-07	6.679-09
-3.6	3.697-07	1.634-09	4.084-08	1.297-11	.CCC+CO	6.099-17	1.064-16	6.604-07	1.175-08
-3.4	9.319-07	3.783-09	9.865-08	3.438-11	.CCC+CO	2.755-16	5.015-16	1.199-06	1.958-08
-3.2	2.195-06	8.206-09	2.230-07	8.618-11	.CCC+CO	1.126-15	2.135-15	2.069-06	3.112-08
-3.0	4.859-06	1.684-08	4.752-07	2.051-10	.CCC+CO	4.221-15	8.318-15	3.407-06	4.751-09
-2.8	1.018-05	3.296-08	9.626-07	4.660-10	.CCC+CO	1.470-14	2.998-14	5.382-06	7.011-08
-2.6	2.035-05	6.208-08	1.867-06	1.015-09	.CCC+CO	4.820-14	1.012-13	8.197-06	1.006-07
-2.4	3.904-05	1.132-07	3.443-06	2.126-09	.CCC+CO	1.503-13	3.236-13	1.209-05	1.412-07
-2.2	7.235-05	2.012-07	6.339-06	4.304-09	.CCC+CO	4.495-13	9.888-13	1.737-05	1.944-07
-2.0	1.303-04	3.459-07	1.122-05	8.438-09	.CCC+CO	1.300-12	2.910-12	2.438-05	2.635-07
-1.8	2.290-04	5.977-07	1.944-05	1.607-08	.CCC+CO	3.659-12	8.306-12	3.359-05	3.529-07
-1.6	3.945-04	1.007-06	3.311-05	2.984-08	.CCC+CO	1.007-11	2.311-11	4.555-05	4.677-07
-1.4	6.686-04	1.675-06	5.559-05	5.410-08	.CCC+CO	2.720-11	6.301-11	6.097-05	6.149-07
-1.2	1.117-03	2.761-06	9.227-05	9.607-08	.CCC+CO	7.239-11	1.688-10	8.074-05	8.034-07
-1.0	1.844-03	4.517-06	1.516-04	1.675-07	.CCC+CO	1.903-10	4.455-10	1.060-04	1.045-06
-.8	3.013-03	7.344-06	2.471-04	2.875-07	.CCC+CO	4.951-10	1.162-09	1.380-04	1.354-06
-.6	4.873-03	1.188-05	3.997-04	4.867-07	.CCC+CO	1.276-09	2.994-09	1.783-04	1.750-06
-.4	7.801-03	1.915-05	6.421-04	8.143-07	.CCC+CO	3.262-09	7.621-09	2.287-04	2.260-06
-.2	1.235-02	3.077-05	1.024-03	1.349-06	.CCC+CO	8.269-09	1.915-08	2.909-04	2.919-06
.0	1.927-02	4.934-05	1.620-03	2.216-06	.CCC+CO	2.077-08	4.734-08	3.661-04	3.775-06
.2	2.956-02	7.899-05	2.538-03	3.612-06	.CCC+CO	5.162-08	1.149-07	4.544-04	4.894-06
.4	4.433-02	1.263-04	3.930-03	5.844-06	.CCC+CO	1.267-07	2.714-07	5.542-04	6.369-06
.6	6.469-02	2.018-04	5.999-03	9.375-06	.CCC+CO	3.063-07	6.222-07	6.613-04	8.326-06
.8	9.139-02	3.216-04	9.000-03	1.487-05	.CCC+CO	7.282-07	1.375-06	7.692-04	1.094-05
1.0	1.246-01	5.108-04	1.324-02	2.323-05	.CCC+CO	1.700-06	2.918-06	8.714-04	1.447-05
1.2	1.636-01	8.067-04	1.905-02	3.547-05	.CCC+CO	3.900-06	5.930-06	9.637-04	1.928-05
1.4	2.073-01	1.263-03	2.681-02	5.253-05	.CCC+CO	8.821-06	1.154-05	1.049-03	2.600-05
1.6	2.560-01	1.955-03	3.686-02	7.487-05	.CCC+CO	1.980-05	2.153-05	1.138-03	3.578-05
1.8	3.118-01	2.982-03	4.951-02	1.020-04	.CCC+CO	4.464-05	3.858-05	1.264-03	5.114-05
2.0	3.793-01	4.468-03	6.497-02	1.325-04	.CCC+CC	1.027-04	6.649-05	1.496-03	7.853-05
2.2	3.947-01	6.515-03	8.298-02	1.637-04	.CCC+CO	2.462-04	1.100-04	2.064-03	1.399-04

T= 12500

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.222-29	5.536-13	1.767-17	1.986-13	3.916-01	3.475-04	1.053-01	1.830-06	2.309-03
-6.8	7.493-29	1.390-12	4.487-17	4.933-13	3.918-01	2.195-04	1.053-01	1.155-06	2.322-03
-6.6	4.861-28	3.488-12	1.134-16	1.237-12	3.919-01	1.387-04	1.053-01	7.295-07	2.330-03
-6.4	3.044-27	8.746-12	2.856-16	3.102-12	3.919-01	8.759-05	1.052-01	4.606-07	2.335-03
-6.2	1.910-26	2.191-11	7.184-16	7.770-12	3.918-01	5.534-05	1.051-01	2.908-07	2.338-03
-6.0	1.196-25	5.482-11	1.802-15	1.943-11	3.916-01	3.497-05	1.050-01	1.836-07	2.338-03
-5.8	7.453-25	1.368-10	4.510-15	4.849-11	3.913-01	2.212-05	1.049-01	1.160-07	2.338-03
-5.6	4.615-24	3.404-10	1.125-14	1.206-10	3.909-01	1.400-05	1.045-01	7.327-08	2.336-03
-5.4	2.829-23	8.422-10	2.796-14	2.981-10	3.902-01	8.875-06	1.039-01	4.630-08	2.331-03
-5.2	1.707-22	2.067-09	6.904-14	7.309-10	3.890-01	5.637-06	1.032-01	2.927-08	2.324-03
-5.0	1.007-21	5.011-09	1.689-13	1.770-09	3.872-01	3.591-06	1.020-01	1.852-08	2.312-03
-4.8	5.740-21	1.194-08	4.078-13	4.206-09	3.845-01	2.297-06	1.002-01	1.172-08	2.294-03
-4.6	3.122-20	2.773-08	9.664-13	9.741-09	3.804-01	1.478-06	9.761-02	7.427-09	2.267-03
-4.4	1.594-19	6.231-08	2.234-12	2.179-08	3.744-01	9.577-07	9.407-02	4.713-09	2.228-03
-4.2	7.524-19	1.342-07	5.004-12	4.667-08	3.658-01	6.258-07	8.964-02	2.996-09	2.172-03
-4.0	3.241-18	2.749-07	1.080-11	9.500-08	3.542-01	4.125-07	8.371-02	1.910-09	2.097-03
-3.8	1.265-17	5.332-07	2.240-11	1.829-07	3.389-01	2.743-07	7.705-02	1.221-09	2.001-03
-3.6	4.477-17	9.783-07	4.455-11	3.331-07	3.200-01	1.836-07	6.976-02	7.838-10	1.882-03
-3.4	1.445-16	1.702-06	8.505-11	5.751-07	2.977-01	1.235-07	6.218-02	5.052-10	1.744-03
-3.2	4.298-16	2.818-06	1.562-10	9.458-07	2.726-01	8.325-08	5.465-02	3.268-10	1.592-03
-3.0	1.191-15	4.468-06	2.766-10	1.490-06	2.458-01	5.612-08	4.743-02	2.121-10	1.430-03
-2.8	3.112-15	6.823-06	4.737-10	2.264-06	2.182-01	3.777-08	4.069-02	1.380-10	1.265-03
-2.6	7.739-15	1.009-05	7.861-10	3.332-06	1.909-01	2.534-08	3.457-02	8.988-11	1.103-03
-2.4	1.849-14	1.451-05	1.267-09	4.775-06	1.648-01	1.695-08	2.910-02	5.860-11	9.501-04
-2.2	4.272-14	2.041-05	1.987-09	6.695-06	1.406-01	1.129-08	2.430-02	3.822-11	8.087-04
-2.0	9.611-14	2.815-05	3.038-09	9.214-06	1.186-01	7.494-09	2.016-02	2.493-11	6.814-04
-1.8	2.116-13	3.823-05	4.535-09	1.249-05	9.923-02	4.940-09	1.662-02	1.627-11	5.692-04
-1.6	4.576-13	5.126-05	6.626-09	1.673-05	8.236-02	3.276-09	1.364-02	1.052-11	4.720-04
-1.4	9.760-13	6.800-05	9.491-09	2.217-05	6.792-02	2.160-09	1.115-02	6.964-12	3.892-04
-1.2	2.059-12	8.945-05	1.336-08	2.917-05	5.571-02	1.424-09	9.082-03	4.546-12	3.194-04
-1.0	4.304-12	1.168-04	1.852-08	3.813-05	4.550-02	9.388-10	7.383-03	2.973-12	2.612-04
-.8	8.939-12	1.517-04	2.533-08	4.961-05	3.703-02	6.196-10	5.994-03	1.964-12	2.132-04
-.6	1.847-11	1.961-04	3.426-08	6.435-05	3.005-02	4.097-10	4.865-03	1.299-12	1.738-04
-.4	3.803-11	2.525-04	4.594-08	8.329-05	2.432-02	2.716-10	3.950-03	8.640-13	1.417-04
-.2	7.812-11	3.235-04	6.118-08	1.077-04	1.963-02	1.806-10	3.213-03	5.789-13	1.158-04
.0	1.603-10	4.125-04	8.106-08	1.394-04	1.579-02	1.205-10	2.620-03	3.915-13	9.495-05
.2	3.290-10	5.230-04	1.070-07	1.807-04	1.266-02	8.073-11	2.146-03	2.679-13	7.829-05
.4	6.759-10	6.583-04	1.409-07	2.349-04	1.010-02	5.428-11	1.768-03	1.860-13	6.505-05
.6	1.392-09	8.210-04	1.852-07	3.069-04	8.106-03	3.666-11	1.467-03	1.314-13	5.459-05
.8	2.879-09	1.013-03	2.425-07	4.034-04	6.500-03	2.489-11	1.227-03	9.475-14	4.637-05
1.0	5.986-09	1.235-03	3.147-07	5.345-04	4.921-03	1.706-11	1.035-03	7.006-14	3.994-05
1.2	1.255-08	1.491-03	4.076-07	7.155-04	3.822-03	1.189-11	8.823-04	5.352-14	3.500-05
1.4	2.664-08	1.791-03	5.215-07	9.706-04	2.966-03	8.563-12	7.623-04	4.282-14	3.135-05
1.6	5.769-08	2.160-03	6.641-07	1.342-03	2.322-03	6.559-12	6.724-04	3.682-14	2.900-05
1.8	1.293-07	2.664-03	8.562-07	1.914-03	1.866-03	5.635-12	6.166-04	3.577-14	2.820-05
2.0	3.094-07	3.480-03	1.150-06	2.890-03	1.532-03	6.043-12	5.997-04	4.352-14	2.989-05
2.2	8.524-07	5.201-03	1.765-06	4.957-03	1.559-03	1.070-11	6.719-04	8.715-14	3.749-05

T= 125CC

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	3.532-05	8.033-05	2.526-06	7.057-C6	1.216-04	5.577-05	7.534-07	3.907-09	4.754-07
-6.8	2.243-05	8.126-05	1.613-06	6.909-C6	1.927-04	8.832-05	1.203-06	6.260-09	7.265-07
-6.6	1.421-05	8.186-05	1.026-06	6.447-C6	3.052-04	1.399-04	1.907-06	9.984-09	1.090-06
-6.4	8.997-06	8.226-05	6.514-07	5.947-C6	4.833-04	2.214-04	3.026-06	1.589-08	1.542-06
-6.2	5.692-06	8.252-05	4.130-07	5.298-C6	7.649-04	3.501-04	4.794-06	2.524-08	2.244-06
-6.0	3.600-06	8.272-05	2.617-07	4.518-C6	1.210-03	5.533-04	7.591-06	4.003-08	3.029-06
-5.8	2.278-06	8.287-05	1.659-07	3.668-C6	1.911-C3	8.729-04	1.200-05	6.360-08	3.887-06
-5.6	1.442-06	8.303-05	1.054-07	2.831-C6	3.014-03	1.374-03	1.892-05	1.003-07	4.736-06
-5.4	9.141-07	8.322-05	6.707-08	2.086-C6	4.740-C3	2.154-03	2.976-05	1.584-07	5.500-06
-5.2	5.805-07	8.348-05	4.286-08	1.481-C6	7.426-03	3.359-03	4.661-05	2.496-07	6.135-06
-5.0	3.697-07	8.385-05	2.755-08	1.024-C6	1.156-C2	5.193-03	7.255-05	3.922-07	6.636-06
-4.8	2.363-07	8.439-05	1.787-08	6.982-C7	1.784-C2	7.930-03	1.113-04	6.135-07	7.031-06
-4.6	1.519-07	8.516-05	1.172-08	4.742-C7	2.719-C2	1.190-02	1.703-04	9.537-07	7.356-06
-4.4	9.825-08	8.624-05	7.816-09	3.240-C7	4.073-C2	1.746-02	2.547-04	1.470-06	7.660-06
-4.2	6.406-08	8.767-05	5.313-09	2.246-C7	5.967-C2	2.488-02	3.723-04	2.269-06	7.949-06
-4.0	4.212-08	8.944-05	3.691-09	1.584-C7	8.506-C2	3.430-02	5.294-04	3.365-06	8.279-06
-3.8	2.791-08	9.148-05	2.623-09	1.157-C7	1.176-01	4.559-02	7.292-04	4.971-06	8.654-06
-3.6	1.862-08	9.362-05	1.903-09	8.523-C8	1.571-01	5.843-02	9.712-04	7.201-06	9.080-06
-3.4	1.248-08	9.559-05	1.405-09	6.457-C8	2.030-01	7.233-02	1.250-03	1.021-05	9.553-06
-3.2	8.378-09	9.707-05	1.050-09	4.952-C8	2.537-01	8.676-02	1.556-03	1.415-05	1.006-05
-3.0	5.628-09	9.775-05	7.90n-10	3.901-C8	3.074-01	1.012-01	1.879-03	1.915-05	1.059-05
-2.8	3.775-09	9.732-05	5.969-10	3.087-C8	3.621-01	1.152-01	2.206-03	2.530-05	1.112-05
-2.6	2.525-09	9.558-05	4.496-10	2.461-C8	4.157-01	1.284-01	2.525-03	3.260-05	1.163-05
-2.4	1.684-09	9.244-05	3.368-10	1.971-C8	4.666-01	1.405-01	2.827-03	4.100-05	1.211-05
-2.2	1.120-09	8.794-05	2.502-10	1.584-C8	5.137-01	1.515-01	3.105-03	5.034-05	1.256-05
-2.0	7.419-10	8.225-05	1.841-10	1.274-C8	5.560-01	1.612-01	3.356-03	6.038-05	1.295-05
-1.8	4.905-10	7.562-05	1.339-10	1.025-C8	5.934-01	1.696-01	3.577-03	7.084-05	1.331-05
-1.6	3.237-10	6.839-05	9.638-11	8.257-C9	6.257-01	1.767-01	3.768-03	8.133-05	1.361-05
-1.4	2.134-10	6.090-05	6.863-11	6.649-C9	6.531-01	1.828-01	3.933-03	9.173-05	1.387-05
-1.2	1.407-10	5.345-05	4.841-11	5.354-09	6.760-01	1.880-01	4.072-03	1.016-04	1.410-05
-1.0	9.291-11	4.632-05	3.386-11	4.314-C9	6.946-01	1.923-01	4.190-03	1.108-04	1.429-05
-.8	6.149-11	3.970-05	2.354-11	3.478-C9	7.093-01	1.959-01	4.291-03	1.191-04	1.446-05
-.6	4.086-11	3.371-05	1.629-11	2.804-C9	7.203-01	1.989-01	4.379-03	1.264-04	1.461-05
-.4	2.730-11	2.842-05	1.125-11	2.272-C9	7.275-01	2.016-01	4.456-03	1.332-04	1.477-05
-.2	1.838-11	2.383-05	7.769-12	1.844-C9	7.307-C1	2.040-01	4.531-03	1.399-04	1.492-05
.0	1.250-11	1.991-05	5.383-12	1.504-C9	7.293-01	2.064-01	4.608-03	1.440-04	1.511-05
.2	8.614-12	1.661-05	3.751-12	1.233-C9	7.223-01	2.089-01	4.695-03	483-04	1.533-05
.4	6.037-12	1.385-05	2.636-12	1.019-C9	7.087-01	2.116-01	4.798-03	20-04	1.562-05
.6	4.319-12	1.155-05	1.871-12	8.504-10	6.872-01	2.147-01	4.926-03	1. 49-04	1.600-05
.8	3.169-12	9.617-06	1.344-12	7.169-10	6.571-01	2.181-01	5.084-03	1.565-04	1.648-05
1.0	2.399-12	7.986-06	9.788-13	6.112-10	6.183-01	2.216-01	5.275-03	1.562-04	1.707-05
1.2	1.891-12	6.593-06	7.245-13	5.276-10	5.716-01	2.247-01	5.498-03	1.530-04	1.777-05
1.4	1.577-12	5.401-06	5.501-13	4.622-10	5.185-01	2.268-01	5.752-03	1.459-04	1.857-05
1.6	1.432-12	4.402-06	4.377-13	4.129-10	4.612-C1	2.270-01	6.029-03	1.341-04	1.946-05
1.8	1.496-12	3.611-06	3.826-13	3.806-10	4.017-01	2.243-01	6.324-03	1.179-04	2.040-05
2.0	2.006-12	3.076-06	4.080-13	3.710-10	3.419-01	2.17d-01	6.631-03	9.864-05	2.139-05
2.2	4.598-12	2.950-06	7.041-13	4.089-10	2.832-01	2.056-01	6.942-03	7.823-05	2.242-05

T= 125CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.001-01	3.98240+C0	4.10419+01	4.50243+01	1.28205+02	-4.73909+00	3.98278+00
-6.8	5.000-01	3.98132+C0	4.10193+01	4.50006+01	1.28349+02	-4.53921+00	3.98179+00
-6.6	4.999-01	3.98018+C0	4.09991+01	4.49792+01	1.28496+02	-4.33933+00	3.98078+00
-6.4	4.997-01	3.97876+C0	4.09770+01	4.49559+01	1.28641+02	-4.13949+00	3.97951+00
-6.2	4.995-01	3.97678+C0	4.09485+01	4.49253+01	1.28781+02	-3.93970+00	3.97773+00
-6.0	4.991-01	3.97367+C0	4.09076+01	4.48815+01	1.28909+02	-3.74002+00	3.97535+00
-5.8	4.986-01	3.96944+C0	4.08460+01	4.48154+01	1.29018+02	-3.54051+00	3.97092+00
-5.6	4.978-01	3.96266+C0	4.07513+01	4.47146+01	1.29097+02	-3.34125+00	3.96452+00
-5.4	4.965-01	3.95225+C0	4.06054+01	4.45576+01	1.29129+02	-3.14239+00	3.95458+00
-5.2	4.946-01	3.93639+00	4.03814+01	4.43177+01	1.29088+02	-2.94416+00	3.93928+00
-5.0	4.916-01	3.91246+00	4.00418+01	4.39543+01	1.28941+02	-2.74679+00	3.91604+00
-4.8	4.871-01	3.87706+C0	3.95373+01	4.34143+01	1.28642+02	-2.55073+00	3.88145+00
-4.6	4.804-01	3.82616+C0	3.88089+01	4.26351+01	1.28139+02	-2.35647+00	3.83147+00
-4.4	4.708-01	3.75572+00	3.77977+01	4.15534+01	1.27381+02	-2.16454+00	3.76202+00
-4.2	4.575-01	3.66288+00	3.66613+01	4.01241+01	9.83359+01	-1.97541+00	3.67020+00
-4.0	4.401-01	3.54737+C0	3.47940+01	3.83413+01	9.50077+01	-1.78934+00	3.55561+00
-3.8	4.181-01	3.41211+C0	3.28394+01	3.62515+01	9.14500+01	-1.60621+00	3.42123+00
-3.6	3.917-01	3.26340+C0	3.06859+01	3.39493+01	8.77591+01	-1.42557+00	3.27315+00
-3.4	3.617-01	3.10900+C0	2.84465+01	3.15555+01	8.40520+01	-1.24661+00	3.11914+00
-3.2	3.290-01	2.95668+C0	2.62337+01	2.91904+01	8.04428+01	-1.06843+00	2.96695+00
-3.0	2.947-01	2.81272+C0	2.41393+01	2.69552C+01	7.7C2C5+01	-8.90110-01	2.82289+00
-2.8	2.602-01	2.68138+C0	2.22260+01	2.49074+01	7.38428+01	-7.10880-01	2.69126+00
-2.6	2.267-01	2.56491+C0	2.05273+01	2.30922+01	7.09368+01	-5.30160-01	2.57438+00
-2.4	1.950-01	2.46395+00	1.90530+01	2.15165+01	6.83051+01	-3.47660-01	2.47290+00
-2.2	1.658-01	2.37797+C0	1.77959+01	2.01739+01	6.59338+01	-1.63030-01	2.38633+00
-2.0	1.396-01	2.30574+C0	1.67389+01	1.90446+01	6.37989+01	2.35700-02	2.31350+00
-1.8	1.166-01	2.24568+00	1.58594+01	1.81055C+01	6.18719+01	2.12110-01	2.25282+00
-1.6	9.662-02	2.19607+C0	1.51329+01	1.7329C+01	6.01231+01	4.02410-01	2.20261+00
-1.4	7.962-02	2.15524+00	1.45356+01	1.66908+01	5.85241+01	5.94260-01	2.16118+00
-1.2	6.531-02	2.12156+00	1.40445+01	1.61661+01	5.70486+01	7.87420-01	2.12692+00
-1.0	5.338-02	2.09352+C0	1.36389+01	1.57324+01	5.56726+01	9.81640-01	2.09829+00
-.8	4.352-02	2.06966+C0	1.32991+01	1.53687+01	5.43743+01	1.17666+00	2.07383+00
-.6	3.563-02	2.04853+C0	1.30064+01	1.50549+01	5.31335+01	1.37221+00	2.05205+00
-.4	2.884-02	2.02860+00	1.27420+01	1.47706+01	5.19303+01	1.56796+00	2.03137+00
-.2	2.349-02	2.00818+C0	1.24862+01	1.44943+01	5.07450+01	1.76357+00	2.00999+00
.0	1.917-02	1.98533+C0	1.22173+01	1.42027+01	4.95565+01	1.95860+00	1.98589+00
.2	1.570-02	1.95801+C0	1.19127+01	1.38707+01	4.83437+01	2.15258+00	1.95680+00
.4	1.293-02	1.92425+C0	1.15504+01	1.34747+01	4.70872+01	2.34503+00	1.92050+00
.6	1.072-02	1.88276+C0	1.11143+01	1.29971+01	4.57742+01	2.53555+00	1.87531+00
.8	8.973-03	1.83354+C0	1.05991+01	1.24322e+01	4.44031+01	2.72405+00	1.82064+00
1.0	7.591-03	1.77834+C0	1.00142+01	1.17925+01	4.29864+01	2.91078+00	1.75743+00
1.2	6.505-03	1.72064+C0	9.38203+00	1.11027+01	4.15488+01	3.09645+00	1.68793+00
1.4	5.659-03	1.66527+C0	8.73192+00	1.03972+01	4.01191+01	3.28225+00	1.61511+00
1.6	5.020-03	1.61785+C0	8.09279+00	9.71064+00	3.87245+01	3.46970+00	1.54186+00
1.8	4.579-03	1.58471+00	7.48817+00	9.07291+00	3.73832+01	3.66072+00	1.47043+00
2.0	4.389-03	1.57323+C0	6.93523+00	8.50846+00	3.61042+01	3.85756+00	1.40225+00
2.2	4.720-03	1.59136+00	6.44982+00	8.04118+00	3.48915+01	4.06253+00	1.33872+00

T= 1260C

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.892-17	5.579-19	1.107-17	2.423-21	.CCC+CO	6.690-33	9.265-33	2.538-13	7.017-15
-6.8	3.140-16	2.216-18	4.404-17	9.763-21	.CCC+00	6.676-32	9.251-32	6.375-13	1.761-14
-6.6	1.249-15	8.803-18	1.750-16	3.914-20	.CCC+00	6.658-31	9.230-31	1.601-12	4.417-14
-6.4	4.962-15	3.495-17	6.952-16	1.564-19	.CCC+CO	6.633-30	9.199-30	4.017-12	1.107-13
-6.2	1.970-14	1.388-16	2.758-15	6.228-19	.CCC+00	6.586-29	9.132-29	1.007-11	2.774-13
-6.0	7.806-14	5.484-16	1.092-14	2.474-18	.CCC+00	6.540-28	9.081-28	2.523-11	6.937-13
-5.8	3.087-13	2.163-15	4.314-14	9.797-18	.CCC+00	6.455-27	8.974-27	6.308-11	1.731-12
-5.6	1.216-12	8.493-15	1.697-13	3.864-17	.CCC+CO	6.327-26	8.812-26	1.573-10	4.301-12
-5.4	4.764-12	3.309-14	6.628-13	1.515-16	.CCC+CO	6.136-25	8.569-25	3.910-10	1.063-11
-5.2	1.851-11	1.276-13	2.566-12	5.894-16	.CCC+CO	5.854-24	8.210-24	9.659-10	2.604-11
-5.0	7.099-11	4.825-13	9.770-12	2.264-15	.CCC+00	5.449-23	7.692-23	2.365-09	6.294-11
-4.8	2.671-10	1.781-12	3.641-11	8.543-15	.CCC+00	4.893-22	6.974-22	5.717-09	1.492-10
-4.6	9.784-10	6.348-12	1.315-10	3.142-14	.CCC+CO	4.175-21	6.035-21	1.366-08	3.443-10
-4.4	3.454-09	2.154-11	4.556-10	1.116-13	.CCC+CO	3.325-20	4.900-20	3.136-08	7.655-10
-4.2	1.162-08	6.781-11	1.493-09	3.795-13	.CCC+CO	2.424-19	3.666-19	7.008-08	1.625-09
-4.0	3.684-08	2.045-10	4.583-09	1.223-12	.CCC+CO	1.582-18	2.466-18	1.502-07	3.264-09
-3.8	1.092-07	5.821-10	1.308-08	3.718-12	.CCC+CO	9.308-18	1.510-17	3.069-07	6.182-09
-3.6	3.013-07	1.627-09	3.662-08	1.062-11	.CCC+00	4.826-17	8.179-17	5.951-07	1.103-08
-3.4	7.732-07	3.981-09	8.512-08	2.856-11	.CCC+00	2.263-16	3.960-16	1.035-06	1.862-08
-3.2	1.852-06	7.603-09	1.955-07	7.250-11	.CCC+CO	9.308-16	1.728-15	1.913-06	2.993-08
-3.0	4.161-06	1.538-08	4.226-07	1.766-10	.CCC+CO	3.591-15	6.874-15	3.187-06	4.612-08
-2.8	8.836-06	3.049-08	8.660-07	4.007-10	.CCC+00	1.273-14	2.524-14	5.386-06	6.860-08
-2.6	1.786-05	5.766-08	1.697-06	8.806-10	.CCC+00	4.232-14	8.653-14	7.814-06	9.910-08
-2.4	3.459-05	1.063-07	3.207-06	1.860-09	.CCC+CO	1.335-13	2.802-13	1.162-05	1.398-07
-2.2	6.464-05	1.901-07	5.852-06	3.792-09	.CCC+00	4.031-13	8.652-13	1.680-05	1.933-07
-2.0	1.172-04	3.321-07	1.042-05	7.483-09	.CCC+00	1.175-12	2.569-12	2.371-05	2.631-07
-1.8	2.071-04	5.697-07	1.814-05	1.433-08	.CCC+00	3.328-12	7.384-12	3.282-05	3.533-07
-1.6	3.586-04	9.626-07	3.102-05	2.674-08	.CCC+CO	9.204-12	2.067-11	4.468-05	4.695-07
-1.4	6.099-04	1.606-06	5.226-05	4.869-08	.CCC+CO	2.497-11	5.662-11	6.001-05	6.196-07
-1.2	1.023-03	2.654-06	8.697-05	8.680-08	.CCC+CO	6.669-11	1.523-10	7.969-05	8.096-07
-1.0	1.693-03	4.349-06	1.433-04	1.519-07	.CCC+CO	1.758-10	4.035-10	1.048-04	1.054-06
-.8	2.772-03	7.081-06	2.339-04	2.613-07	.CCC+CO	4.585-10	1.055-09	1.368-04	1.368-06
-.6	4.494-03	1.147-05	3.790-04	4.435-07	.CCC+CO	1.184-09	2.725-09	1.772-04	1.770-06
-.4	7.212-03	1.850-05	6.097-04	7.433-07	.CCC+00	3.033-09	6.956-09	2.278-04	2.288-06
-.2	1.144-02	2.974-05	9.738-04	1.234-06	.CCC+CO	7.703-09	1.752-08	2.904-04	2.957-06
.0	1.791-02	4.771-05	1.543-03	2.029-06	.CCC+CO	1.939-08	4.347-08	3.666-04	3.825-06
.2	2.757-02	7.640-05	2.422-03	3.313-06	.CCC+CO	4.828-08	1.058-07	4.567-04	4.961-06
.4	4.152-02	1.222-04	3.759-03	5.367-06	.CCC+00	1.188-07	2.513-07	5.596-04	6.458-06
.6	6.090-02	1.951-04	5.752-03	8.624-06	.CCC+CO	2.881-07	5.792-07	6.713-04	8.447-06
.8	8.653-02	3.110-04	8.654-03	1.371-05	.CCC+CO	6.871-07	1.288-06	7.861-04	1.111-05
1.0	1.187-01	4.941-04	1.277-02	2.148-05	.CCC+CO	1.610-06	2.752-06	8.970-04	1.471-05
1.2	1.569-01	7.804-04	1.844-02	3.296-05	.CCC+CO	3.707-06	5.630-06	9.997-04	1.964-05
1.4	2.000-01	1.223-03	2.603-02	4.912-05	.CCC+CO	8.419-06	1.103-05	1.096-03	2.655-05
1.6	2.464-01	1.895-03	3.591-02	7.056-05	.CCC+CO	1.898-05	2.070-05	1.200-03	3.666-05
1.8	2.943-01	2.894-03	4.840-02	9.700-05	.CCC+00	4.294-05	3.730-05	1.342-03	5.262-05
2.0	3.421-01	4.341-03	6.369-02	1.271-04	.CCC+CO	9.913-05	6.460-05	1.602-03	8.125-05
2.2	3.881-01	6.334-03	8.152-02	1.583-04	.CCC+CO	2.381-04	1.072-04	2.236-03	1.459-04

T= 1260C

LOG E	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.669-30	4.560-13	1.477-17	1.734-13	3.915-01	4.367-04	1.053-01	2.394-06	2.300-03
-6.8	6.086-29	1.140-12	3.757-17	4.349-13	3.917-01	2.759-04	1.053-01	1.512-06	2.317-03
-6.6	3.831-28	2.861-12	9.512-17	1.091-12	3.918-01	1.743-04	1.053-01	9.547-07	2.327-03
-6.4	2.409-27	7.175-12	2.399-16	2.735-12	3.919-01	1.101-04	1.052-01	5.028-07	2.333-03
-6.2	1.513-26	1.798-11	6.037-16	6.853-12	3.918-01	6.955-05	1.052-01	3.806-07	2.336-03
-6.0	9.475-26	4.500-11	1.515-15	1.715-11	3.917-01	4.395-05	1.050-01	2.403-07	2.338-03
-5.8	5.913-25	1.124-10	3.795-15	4.281-11	3.914-01	2.779-05	1.049-01	1.514-07	2.338-03
-5.6	3.668-24	2.799-10	9.478-15	1.066-10	3.910-01	1.759-05	1.046-01	9.589-08	2.336-03
-5.4	2.255-23	6.935-10	2.358 14	2.639-10	3.904-01	1.114-05	1.041-01	6.060-08	2.333-03
-5.2	1.367-22	1.706-09	5.832-14	6.486-10	3.893-01	7.076-06	1.034-01	3.831-08	2.326-03
-5.0	8.113-22	4.151-09	1.430-13	1.576-09	3.878-01	4.504-06	1.023-01	2.423-08	2.316-03
-4.8	4.870-21	9.937-09	3.466-13	3.765-09	3.853-01	2.879-06	1.007-01	1.534-08	2.300-03
-4.6	2.573-20	2.325-08	8.256-13	8.782-09	3.816-01	1.849-06	9.832-02	9.716-09	2.277-03
-4.4	1.337-19	5.271-08	1.921-12	1.983-08	3.761-01	1.196-06	9.504-02	6.163-09	2.241-03
-4.2	6.442-19	1.148-07	4.339-12	4.297-08	3.683-01	7.801-07	9.068-02	3.917-09	2.191-03
-4.0	2.841-18	2.382-07	9.455-12	8.863-08	3.574-01	5.132-07	8.521-02	2.435-09	2.123-03
-3.8	1.137-17	4.686-07	1.980-11	1.731-07	3.431-01	3.406-07	7.876-02	1.594-09	2.033-03
-3.6	4.120-17	8.717-07	3.976-11	3.196-07	3.252-01	2.278-07	7.160-02	1.023-09	1.921-03
-3.4	1.360-16	1.536-06	7.663-11	5.589-07	3.037-01	1.531-07	6.406-02	6.586-10	1.799-03
-3.2	4.123-16	2.574-06	1.420-10	9.299-07	2.792-01	1.032-07	5.649-02	4.258-10	1.660-03
-3.0	1.162-15	4.124-06	2.535-10	1.480-06	2.527-01	6.963-08	4.917-02	2.762-10	1.480-03
-2.8	3.077-15	6.354-06	4.372-10	2.268-06	2.253-01	4.691-08	4.231-02	1.797-10	1.315-03
-2.6	7.741-15	9.467-06	7.305-10	3.363-06	1.978-01	3.152-08	3.603-02	1.171-10	1.152-03
-2.4	1.867-14	1.371-05	1.184-09	4.852-06	1.714-01	2.111-08	3.040-02	7.635-11	9.962-04
-2.2	4.348-14	1.938-05	1.868-09	6.838-06	1.466-01	1.408-08	2.544-02	4.983-11	8.509-04
-2.0	9.844-14	2.687-05	2.870-09	9.454-06	1.241-01	9.366-09	2.114-02	3.253-11	7.192-04
-1.8	2.178-13	3.663-05	4.305-09	1.286-05	1.040-01	6 209-09	1.746-02	2.125-11	6.024-04
-1.6	4.732-13	4.927-05	6.316-09	1.728-05	8.653-02	4.107-09	1.434-02	1.388-11	5.007-04
-1.4	1.013-12	6.554-05	9.081-09	2.297-05	7.168-02	2.713-09	1.174-02	9.082-12	4.136-04
-1.2	2.143-12	8.641-05	1.282-08	3.028-05	5.873-02	1.790-09	9.573-03	5.951-12	3.399-04
-1.0	4.490-12	1.131-04	1.783-08	3.969-05	4.803-02	1.182-09	7.790-03	3.909-12	2.784-04
-.8	9.344-12	1.471-04	2.449-08	5.167-05	3.914-02	7.812-10	6.329-03	2.576-12	2.274-04
-.6	1.934-11	1.905-04	3.315-08	6.709-05	3.180-02	5.173-10	5.139-03	1.705-12	1.856-04
-.4	3.987-11	2.459-04	4.454-08	8.693-05	2.576-02	3.435-10	4.175-03	1.135-12	1.515-04
-.2	8.198-11	3.151-04	5.942-08	1.125-04	2.082-02	2.288-10	3.396-03	7.610-13	1.238-04
.0	1.634-10	4.025-04	7.884-08	1.457-04	1.678-02	1.530-10	2.771-03	5.151-13	1.015-04
.2	3.458-10	5.113-04	1.042-07	1.899-04	1.347-02	1.027-10	2.270-03	3.528-13	8.372-05
.4	7.108-10	6.452-04	1.375-07	2.456-04	1.077-02	6.930-11	1.870-03	2.452-13	6.955-05
.6	1.469-09	8.070-04	1.811-07	3.209-04	8.558-03	4.698-11	1.551-03	1.734-13	5.836-05
.8	3.029-09	9.993-04	2.378-07	4.217-04	6.757-03	3.206-11	1.298-03	1.253-13	4.957-05
1.0	6.300-09	1.224-03	3.110-07	5.586-04	5.298-03	2.211-11	1.096-03	9.296-14	4.272-05
1.2	1.321-08	1.495-03	4.040-07	7.475-04	4.132-03	1.552-11	9.353-04	7.131-14	3.747-05
1.4	2.805-08	1.792-03	5.212-07	1.014-03	3.222-03	1.127-11	8.097-04	5.737-14	3.342-05
1.6	6.070-08	2.173-03	6.705-07	1.402-03	2.535-03	8.718-12	7.162-04	4.970-14	3.117-05
1.8	1.364-07	2.697-03	8.727-07	2.001-03	2.049-03	7.576-12	6.569-04	4.875-14	3.041-05
2.0	3.275-07	3.546-03	1.190-06	3.028-03	1.759-03	8.255-12	6.439-04	6.017-14	3.235-05
2.2	9.073-07	5.350-03	1.857-06	5.222-03	1.738-03	1.508-11	7.270-04	1.241-13	4.090-05

T= 12*CC

LOG_D	A**	D*	C**	NE*	N	O	A	S	NE
-7.0	4.370-05	7.940-05	3.039-06	7.127-06	1.083-04	4.977-05	6.617-07	3.536-[illegible]	[illegible]
-6.8	2.779-05	8.092-05	1.966-06	6.912-06	1.716-04	7.883-05	1.055-06	5.677-09	6.217-07
-6.6	1.763-05	8.144-05	1.240-06	6.594-06	2.713-04	1.246-04	1.673-06	9.376-[illegible]	4.337-07
-6.4	1.116-05	8.211-05	7.878-07	6.150-06	4.306-04	1.976-04	[illegible]	1.465-[illegible]	1.344-[illegible]
-6.2	7.063-06	8.243-05	4.997-07	5.556-06	6.816-04	3.126-04	4.226-06	2.237-[illegible]	1.395-[illegible]
-6.0	4.469-06	8.285-05	3.167-07	4.821-06	1.078-03	4.941-04	[illegible]	3.546-04	2.735-[illegible]
-5.8	2.827-06	8.282-05	2.008-07	3.988-06	1.704-03	7.798-04	1.054-05	5.774-[illegible]	3.556-[illegible]
-5.6	1.790-06	8.298-05	1.275-07	3.137-06	2.684-03	1.222-03	1.670-05	9.137-[illegible]	4.477-06
-5.4	1.134-06	8.316-05	8.178-[illegible]	2.459-06	4.231-03	1.924-03	2.629-05	1.444-[illegible]	[illegible]
-5.2	7.200-07	8.340-05	5.176-08	1.941-06	6.635-03	3.011-03	4.113-05	2.276-[illegible]	5.318-[illegible]
-5.0	4.583-07	8.373-05	3.322-08	1.195-06	1.035-02	4.666-03	6.408-[illegible]	3.580-[illegible]	6.467-[illegible]
-4.8	2.927-07	8.422-05	2.143-08	8.087-07	1.601-02	7.157-03	9.961-05	5.636-[illegible]	8.331-[illegible]
-4.6	1.879-07	8.492-05	1.405-08	5.503-07	2.443-02	1.077-02	1.517-[illegible]	[illegible]	7.251-[illegible]
-4.4	1.214-07	8.591-05	9.331-09	3.757-07	3.686-02	1.592-02	2.246-[illegible]	1.343-[illegible]	7.598-[illegible]
-4.2	7.905-08	8.723-05	6.310-09	2.595-07	5.431-02	2.296-02	3.309-[illegible]	2.051-[illegible]	7.858-[illegible]
-4.0	5.191-08	8.890-05	4.359-09	1.827-07	7.749-02	3.177-02	4.615-[illegible]	3.127-[illegible]	8.142-[illegible]
-3.8	3.437-08	9.096-05	3.080-09	1.315-07	1.084-01	4.[illegible]-02	[illegible]	[illegible]	8.567-[illegible]
-3.6	2.292-08	9.295-05	2.223-09	9.642-08	1.466-01	5.511-02	8.[illegible]-04	[illegible]	8.[illegible]
-3.4	1.536-08	9.493-05	1.634-09	7.334-08	1.908-01	6.[illegible]-02	1.16[illegible]-03	[illegible]	[illegible]
-3.2	1.032-08	9.650-05	1.218-09	5.615-08	2.474-01	8.313-02	1.[illegible]-03	1.391-[illegible]	[illegible]
-3.0	6.944-09	9.734-05	9.157-10	4.383-08	2.936-01	9.[illegible]-02	1.[illegible]-03	1.[illegible]-05	1.[illegible]
-2.8	4.666-09	9.713-05	6.907-10	3.461-08	3.441-01	1.117-01	2.114-[illegible]	2.[illegible]-05	1.[illegible]
-2.6	3.128-09	9.564-05	5.204-10	2.755-08	4.021-01	1.252-01	2.436-[illegible]	3.114-[illegible]	1.[illegible]
-2.4	2.090-09	9.278-05	3.903-10	2.205-08	4.538-01	1.375-01	2.744-[illegible]	3.936-[illegible]	1.[illegible]
-2.2	1.392-09	8.854-05	2.904-10	1.771-08	5.019-01	1.484-01	3.029-[illegible]	4.[illegible]-05	1.[illegible]
-2.0	9.245-10	8.307-05	2.141-10	1.424-08	5.455-01	1.578-01	3.288-[illegible]	5.[illegible]-05	1.[illegible]
-1.8	6.123-10	7.662-05	1.562-10	1.147-08	5.842-01	1.675-01	3.517-[illegible]	[illegible]	1.[illegible]
-1.6	4.047-10	6.950-05	1.127-10	9.235-09	6.177-01	1.751-01	3.717-[illegible]	7.947-[illegible]	1.356-[illegible]
-1.4	2.673-10	6.206-05	8.042-11	7.434-09	6.463-01	1.814-01	3.[illegible]-[illegible]	[illegible]	1.341-[illegible]
-1.2	1.765-10	5.462-05	5.686-11	5.992-09	6.703-01	1.867-01	4.034-[illegible]	[illegible]	1.[illegible]
-1.0	1.167-10	4.744-05	3.947-11	4.829-09	6.893-01	1.912-01	4.15[illegible]-[illegible]	1.[illegible]	1.[illegible]
-.8	7.733-11	4.075-05	2.777-11	3.895-09	7.056-01	1.951-01	4.266-[illegible]	1.17[illegible]	1.[illegible]
-.6	5.144-11	3.467-05	1.926-11	3.145-09	7.174-01	1.982-01	4.355-[illegible]	1.253-[illegible]	1.[illegible]
-.4	3.440-11	2.928-05	1.333-11	2.545-09	7.255-01	2.004-01	4.[illegible]-[illegible]	1.32[illegible]	1.[illegible]
-.2	2.318-11	2.458-05	9.225-12	2.066-09	7.296-01	2.014-01	4.512-[illegible]	1.374-[illegible]	1.[illegible]
.0	1.578-11	2.057-05	6.404-12	1.684-09	7.291-01	2.012-01	4.507-[illegible]	1.431-[illegible]	1.5 7-[illegible]
.2	1.089-11	1.719-05	4.472-12	1.381-09	7.239-01	2.000-01	4.475-[illegible]	1.475-[illegible]	1.[illegible]
.4	7.635-12	1.434-05	3.149-12	1.141-09	7.109-01	2.[illegible]-01	4.[illegible]-[illegible]	1.514-[illegible]	1.[illegible]
.6	5.469-12	1.197-05	2.243-12	9.515-10	6.908-01	2.[illegible]-01	4.[illegible]-[illegible]	1.544-[illegible]	1.[illegible]
.8	4.020-12	1.000-05	1.618-12	8.021-10	6.672-01	2.[illegible]-01	5.[illegible]-[illegible]	1.564-[illegible]	1.[illegible]
1.0	3.051-12	8.337-06	1.185-12	6.841-10	6.244-01	2.[illegible]-01	5.[illegible]-[illegible]	1.565-[illegible]	1.[illegible]
1.2	2.414-12	6.922-06	8.849-13	5.911-10	5.793-01	2.237-01	5.[illegible]-[illegible]	1.559-[illegible]	1.766-[illegible]
1.4	2.024-12	5.714-06	6.794-13	5.186-10	5.270-01	2.258-01	5.710-[illegible]	1.[illegible]-[illegible]	1.[illegible]
1.6	1.851-12	4.702-06	5.483-13	4.645-10	4.701-01	2.261-01	5.[illegible]-[illegible]	1.[illegible]-[illegible]	1.932-[illegible]
1.8	1.952-12	3.902-06	4.877-13	4.245-10	4.105-01	2.[illegible]-01	6.[illegible]-[illegible]	1.[illegible]-[illegible]	2.[illegible]
2.0	2.653-12	3.367-06	5.318-13	4.206-10	3.503-01	2.177-01	6.5[illegible]-[illegible]	1.[illegible]-[illegible]	2.[illegible]
2.2	6.247-12	3.281-06	9.520-13	4.674-10	2.908-01	2.[illegible]-01	9.[illegible]-[illegible]	8.177-[illegible]	2.[illegible]

T= 12*CC

LOG_D	E-	Z	E/RT	H/RT	S/R	LOG_P	Z*
-7.0	5.002-01	3.99287*00	4.07834*01	4.47667*01	1.782.3*02	-4.[illegible]55*[illegible]	3.[illegible]325*[illegible]
-6.8	5.000-01	3.99170*00	4.07540*01	4.47397*01	1.26[illegible]*02	-4.535[illegible]*00	3.99[illegible]*00
-6.6	4.999-01	3.9905[illegible]*00	4.07363*01	4.47164*01	1.24559*02	-4.335[illegible]*00	3.98[illegible]*00
-6.4	4.997-01	3.9791[illegible]*00	4.07144*01	4.4693[illegible]*01	1.22704*02	-4.135[illegible]*00	3.97[illegible]*00
-6.2	4.995-01	3.97734*00	4.06876*01	4.4[illegible]5C*01	1.20865*02	-3.93[illegible]*00	3.97[illegible]
-6.0	4.992-01	3.97469*00	4.06504*01	4.46251*01	1.18977*02	-3.736[illegible]*00	3.97[illegible]
-5.8	4.988-01	3.97068*00	4.05951*01	4.45[illegible]*01	1.17092*02	-3.53[illegible]*00	3.97[illegible]
-5.6	4.980-01	3.96456*00	4.05106*01	4.44751*01	1.15160*02	-3.33[illegible]*00	3.96[illegible]
-5.4	4.969-01	3.95519*00	4.03804*01	4.43356*01	1.13226*02	-3.13[illegible]*00	3.95[illegible]
-5.2	4.952-01	3.94088*00	4.01804*01	4.41212*01	1.11208*02	-2.94[illegible]*00	3.94[illegible]
-5.0	4.925-01	3.91923*00	3.98761*01	4.37953*01	1.09093*02	-2.74[illegible]*00	3.92[illegible]
-4.8	4.884-01	3.88704*00	3.94214*01	4.33085*01	1.06961*02	-2.54616*00	3.89161*00
-4.6	4.823-01	3.84040*00	3.87559*01	4.26603*01	1.04339*02	-2.35142*00	3.84570*00
-4.4	4.733-01	3.77517*00	3.78315*01	4.16767*01	1.01717*02	-2.15884*00	3.78150*00
-4.2	4.612-01	3.68809*00	3.65885*01	4.02766*01	9.87542*01	-1.96897*00	3.69543*00
-4.0	4.449-01	3.57808*00	3.50144*01	3.85925*01	9.55062*01	-1.78213*00	3.58852*00
-3.8	4.240-01	3.44735*00	3.31359*01	3.65473*01	9.2C134*01	-1.59829*00	3.45671*00
-3.6	3.988-01	3.30138*00	3.10428*01	3.43442*01	8.83619*01	-1.41708*00	3.31145*00
-3.4	3.695-01	3.14773*00	2.88315*01	3.19792*01	8.46655*01	-1.23778*00	3.15827*00
-3.2	3.375-01	2.99427*00	2.66198*01	2.96140*01	8.10394*01	-1.05948*00	3.00531*00
-3.0	3.035-01	2.84778*00	2.45051*01	2.73525*01	7.758C1*01	-8.81270-01	2.85848*00
-2.8	2.690-01	2.71303*00	2.25572*01	2.52702*01	7.43524*01	-7.0232[illegible]-01	2.72369*00
-2.6	2.351-01	2.59275*00	2.08162*01	2.34C9C*01	7.13903*01	-5.22020-01	2.60279*00
-2.4	2.029-01	2.48793*00	1.92971*01	2.1785C*01	6.87C20*01	-3.43940-01	2.49745*00
-2.2	1.730-01	2.39829*00	1.79965*01	2.03947*01	6.62769*01	-1.55870-01	2.40722*00
-2.0	1.461-01	2.32275*00	1.68992*01	1.92219*01	6.40932*01	3.02300-02	2.33195*00
-1.8	1.222-01	2.25978*00	1.59839*01	1.82437*01	6.21232*01	2.18290-01	2.26744*00
-1.6	1.015-01	2.20770*00	1.52265*01	1.74342*01	6.03376*01	4.08160-01	2.21472*00
-1.4	8.390-02	2.16468*00	1.46030*01	1.67478*01	5.87077*01	5.99640-01	2.17113*00
-1.2	6.883-02	2.12942*00	1.40905*01	1.62199*01	5.72066*01	7.92440-01	2.13520*00
-1.0	5.633-02	2.10004*00	1.36676*01	1.57676*01	5.5810C*01	9.86450-01	2.10520*00
-.8	4.597-02	2.07517*00	1.33144*01	1.53896*01	5.44957*01	1.1[illegible]128*00	2.07970*00
-.6	3.746-02	2.05336*00	1.30122*01	1.5045[illegible]*01	5.32423*01	1.37669*00	2.05721*00
-.4	3.051-02	2.03304*00	1.27422*01	1.47752*01	5.20320*01	1.57238*00	2.03614*00
-.2	2.486-02	2.01265*00	1.24847*01	1.44973*01	5.08430*01	1.76749*00	2.01474*00
.0	2.030-02	1.99019*00	1.22186*01	1.42088*01	4.96551*01	1.96312*00	1.99100*00
.2	1.663-02	1.96366*00	1.19211*01	1.38848*01	4.84470*01	2.15729*00	1.96267*00
.4	1.369-02	1.93101*00	1.15701*01	1.35012*01	4.71996*01	2.35061*00	1.92748*00
.6	1.135-02	1.89087*00	1.11481*01	1.30396*01	4.58967*01	2.54086*00	1.88[illegible]*00
.8	9.489-03	1.84259*00	1.06476*01	1.24906*01	4.45362*01	2.72975*00	1.83023*00
1.0	8.022-03	1.78886*00	1.00755*01	1.18[illegible]*01	4.31278*01	2.91680*00	1.76832*00
1.2	6.869-03	1.73178*00	9.45221*00	1.11846*01	4.16939*01	3.10272*00	1.69[illegible]*00
1.4	5.972-03	1.67650*00	8.8[illegible]4*00	1.04[illegible]*01	4.02632*01	3.28[illegible]*00	1.62[illegible]*00
1.6	5.295-03	1.62470*00	8.16657*00	9.79527*00	3.88[illegible]*01	3.47666*00	1.55[illegible]*00
1.8	4.832-03	1.59494*00	7.55[illegible]*00	9.15297*00	3.75132*01	3.66[illegible]*00	1.49[illegible]*00
2.0	4.641-03	1.58233*00	6.99940*00	8.58173*00	3.62239*01	3.[illegible]352*00	1.[illegible]*00
2.2	5.020-03	1.55907*00	6.50811*00	8.10716*00	3.5C016*01	4.[illegible]*00	1.[illegible]*00

T= 1270C

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	9.835-17	4.322-19	8.428-18	1.810-21	.CCC+CO	4.462-33	6.057-33	2.130-13	6.019-15
-6.8	2.322-16	1.718-18	3.342-17	7.313-21	.CCC+CO	4.453-32	6.043-32	5.351-13	1.511-14
-6.6	9.236-16	6.835-18	1.332-16	2.937-20	.CCC+CO	4.442-31	6.031-31	1.344-12	3.790-14
-6.4	3.670-15	2.710-17	5.293-16	1.175-19	.CCC+CO	4.426-30	6.012-30	3.372-12	9.503-14
-6.2	1.457-14	1.075-16	2.101-15	4.684-19	.CCC+CO	4.403-29	5.984-29	8.458-12	2.381-13
-6.0	5.776-14	4.259-16	8.323-15	1.862-18	.CCC+CO	4.369-28	5.942-28	2.119-11	5.956-13
-5.8	2.288-13	1.689-15	3.290-14	7.380-18	.CCC+CO	4.318-27	5.879-27	5.301-11	1.487-12
-5.6	9.016-13	6.656-15	1.295-13	2.914-17	.CCC+CO	4.241-26	5.783-26	1.323-10	3.700-12
-5.4	3.538-12	2.579-14	5.070-13	1.145-16	.CCC+CO	4.125-25	5.639-25	3.292-10	9.158-12
-5.2	1.377-11	9.965-14	1.984-12	4.662-16	.CCC+CO	3.953-24	5.425-24	8.166-10	2.249-11
-5.0	5.332-11	3.791-13	7.526-12	1.729-15	.CCC+CO	3.705-23	5.114-23	2.000-09	5.456-11
-4.8	2.006-10	1.409-12	2.822-11	6.522-15	.CCC+CO	3.360-22	4.679-22	4.651-09	1.301-10
-4.6	7.402-10	5.089-12	1.028-10	2.415-14	.CCC+CO	2.908-21	4.101-21	1.157-08	3.073-10
-4.4	2.639-09	1.749-11	3.600-10	8.660-14	.CCC+CO	2.359-20	3.389-20	2.693-08	6.789-10
-4.2	8.993-09	5.654-11	1.157-09	2.978-13	.CCC+CO	1.760-19	2.590-19	6.074-08	1.458-09
-4.0	2.896-08	1.713-10	3.738-09	9.729-13	.CCC+CO	1.187-18	1.802-18	1.316-07	2.971-09
-3.8	8.735-08	4.900-10	1.087-08	2.599-12	.CCC+CO	7.145-18	1.125-17	2.723-07	5.710-09
-3.6	2.453-07	1.242-09	2.930-08	8.695-12	.CCC+CO	3.921-17	6.269-17	5.350-07	1.036-08
-3.4	6.408-07	2.978-09	7.331-08	2.371-11	.CCC+CO	1.821-16	3.118-16	9.970-07	1.768-08
-3.2	1.560-06	6.660-09	1.711-07	6.098-11	.CCC+CO	7.806-16	1.395-15	1.764-06	2.874-08
-3.0	3.560-06	1.401-08	3.750-07	1.484-10	.CCC+CO	3.049-15	5.669-15	2.973-06	4.471-08
-2.8	7.661-06	2.807-08	7.783-07	3.446-10	.CCC+CO	1.100-14	2.120-14	4.795-06	6.706-08
-2.6	1.566-05	5.364-08	1.541-06	7.644-10	.CCC+CO	3.710-14	7.386-14	7.434-06	9.751-08
-2.4	3.064-05	9.569-08	2.933-06	1.624-09	.CCC+CO	1.184-13	2.424-13	1.114-05	1.383-07
-2.2	5.775-05	1.693-07	5.401-06	3.343-09	.CCC+CO	3.613-13	7.567-13	1.621-05	1.921-07
-2.0	1.054-04	3.150-07	9.672-06	6.639-09	.CCC+CO	1.062-12	2.267-12	2.302-05	2.625-07
-1.8	1.875-04	5.426-07	1.693-05	1.279-08	.CCC+CO	3.076-12	6.565-12	3.202-05	3.536-07
-1.6	3.261-04	9.169-07	2.907-05	2.394-08	.CCC+CO	8.416-12	1.849-11	4.377-05	4.712-07
-1.4	5.570-04	1.533-06	4.915-05	4.386-08	.CCC+CO	2.293-11	5.091-11	5.899-05	6.222-07
-1.2	9.369-04	2.549-06	8.202-05	7.849-08	.CCC+CO	6.147-11	1.375-10	7.857-05	8.159-07
-1.0	1.556-03	4.185-06	1.354-04	1.378-07	.CCC+CO	1.625-10	3.656-10	1.036-04	1.044-06
-.8	2.554-03	6.824-06	2.216-04	2.378-07	.CCC+CO	4.249-10	9.587-10	1.355-04	1.382-06
-.6	4.150-03	1.108-05	3.596-04	4.044-07	.CCC+CO	1.100-09	2.483-09	1.759-04	1.790-06
-.4	6.673-03	1.786-05	5.794-04	6.795-07	.CCC+CO	2.823-09	6.353-09	2.267-04	2.316-06
-.2	1.061-02	2.836-05	9.268-04	1.130-06	.CCC+CO	7.181-09	1.605-08	2.847-04	2.995-06
.0	1.666-02	4.412-05	1.471-03	1.861-06	.CCC+CO	1.810-08	3.993-08	3.666-04	3.877-06
.2	2.592-02	7.388-05	2.313-03	3.041-06	.CCC+CO	4.519-08	9.753-08	4.564-04	5.031-06
.4	3.890-02	1.161-04	3.597-03	4.934-06	.CCC+CO	1.115-07	2.327-07	5.640-04	6.551-06
.6	5.734-02	1.787-04	5.518-03	7.940-06	.CCC+CO	2.710-07	5.392-07	6.804-04	8.572 06
.8	8.193-02	3.008-04	8.325-03	1.265-05	.CCC+CO	6.485-07	1.206-06	8.017-04	1.128-05
1.0	1.131-01	4.779-04	1.232-02	1.988 -5	.CCC+CO	1.525-06	2.594-06	9.213-04	1.494-05
1.2	1.504-01	7.552-04	1.785-02	3.063-05	.CCC+CO	3.525-06	5.343-06	1.035-03	2.001-05
1.4	1.929-01	1.184-03	2.529-02	4.592-05	.CCC+CO	8.037-06	1.053-05	1.144-03	2.712-05
1.6	2.390-01	1.836-03	3.500-02	6.644-05	.CCC+CO	1.819-05	1.989-05	1.262-03	3.757-05
1.8	2.869-01	2.808-03	4.731-02	9.214-05	.CCC+CO	4.130-05	3.604-05	1.423-03	5.416-05
2.0	3.350-01	4.216-03	6.244-02	1.218-04	.CCC+CO	9.568-05	6.272-05	1.712-03	8.406-05
2.2	3.815-01	6.195-03	8.009-02	1.530-04	.CCC+CO	2.303-04	1.045-04	2.416-03	1.522-04

T= 1270C

LOG D	O2-	NO+	O2+	O-	N+	N++	O+	O++	A+
-7.0	7.674-30	3.727-13	1.235-17	1.531-13	3.914-01	5.465-04	1.053-01	3.120-06	2.290-03
-6.8	4.831-29	9.359-13	3.152-17	3.841-13	3.916-01	3.455-04	1.053-01	1.970-06	2.310-03
-6.6	3.040-28	2.349-12	7.994-17	9.636-13	3.918-01	2.182-04	1.053-01	1.244-06	2.323-03
-6.4	1.912-27	5.893-12	2.019-16	2.416-12	3.918-01	1.379-04	1.052-01	7.856-07	2.330-03
-6.2	1.201-26	1.477-11	5.084-16	6.055-12	3.918-01	8.710-05	1.052-01	4.961-07	2.335-03
-6.0	7.530-26	3.698-11	1.277-15	1.515-11	3.917-01	5.504-05	1.051-01	3.133-07	2.337-03
-5.8	4.704-25	9.243-11	3.201-15	3.786-11	3.915-01	3.480-05	1.049-01	1.979-07	2.338-03
-5.6	2.923-24	2.303-10	8.000-15	9.432-11	3.911-01	2.202-05	1.046-01	1.250-07	2.337-03
-5.4	1.801-23	5.716-10	1.992-14	2.339-10	3.906-01	1.395-05	1.042-01	7.898-08	2.334-03
-5.2	1.096-22	1.409-09	4.936-14	5.761-10	3.896-01	8.852-06	1.036-01	4.993-08	2.329-03
-5.0	6.545-22	3.438-09	1.213-13	1.404-09	3.882-01	5.631-06	1.026-01	3.158-08	2.320-03
-4.8	3.799-21	8.269-09	2.950-13	3.371-09	3.860-01	3.595-06	1.011-01	1.998-08	2.306-03
-4.6	2.119-20	1.947-08	7.059-13	7.914-09	3.827-01	2.307-06	9.897-02	1.266-08	2.285-03
-4.4	1.118-19	4.451-08	1.653-12	1.803-08	3.777-01	1.490-06	9.593-02	8.028-09	2.253-03
-4.2	5.496-19	9.798-08	3.762-12	3.953-08	3.705-01	9.696-07	9.185-02	5.100-09	2.208-03
-4.0	2.479-18	2.059-07	8.271-12	8.250-08	3.605-01	6.367-07	8.664-02	3.247-09	2.145-03
-3.8	1.016-17	4.105-07	1.749-11	1.633-07	3.471-01	4.218-07	8.041-02	2.074-09	2.062-03
-3.6	3.774-17	7.741-07	3.547-11	3.057-07	3.300-01	2.817-07	7.339-02	1.329-09	1.957-03
-3.4	1.273-16	1.392-06	6.901-11	5.417-07	3.094-01	1.892-07	6.591-02	8.552-10	1.831-03
-3.2	3.939-16	2.344-06	1.290-10	9.120-07	2.856-01	1.275-07	5.832-02	5.526-10	1.686-03
-3.0	1.129-15	3.765-06	2.321-10	1.467-06	2.596-01	8.608-08	5.092-02	3.583-10	1.529-03
-2.8	3.033-15	5.902-06	4.034-10	2.268-06	2.322-01	5.805-08	4.394-02	2.330-10	1.365-03
-2.6	7.722-15	8.863-06	6.785-10	3.389-06	2.047-01	3.906-08	3.751-02	1.519-10	1.201-03
-2.4	1.880-14	1.292-05	1.107-09	4.921-06	1.779-01	2.620-08	3.172-02	9.908-11	1.043-03
-2.2	4.415-14	1.837-05	1.756-09	6.974-06	1.527-01	1.751-08	2.660-02	6.470-11	8.937-04
-2.0	1.006-13	2.559-05	2.711-09	9.687-06	1.296-01	1.166-08	2.216-02	4.227-11	7.577-04
-1.8	2.239-13	3.503-05	4.086-09	1.323-05	1.089-01	7.744-09	1.832-02	2.763-11	6.364-04
-1.6	4.886-13	4.728-05	6.020-09	1.783-05	9.080-02	5.130-09	1.507-02	1.807-11	5.302-04
-1.4	1.050-12	6.307-05	8.689-09	2.377-05	7.515-02	3.393-09	1.235-02	1.183-11	4.388-04
-1.2	2.227-12	8.334-05	1.231-08	3.140-05	6.194-02	2.243-09	1.008-02	7.759-12	3.613-04
-1.0	4.678-12	1.093-04	1.717-08	4.119-05	5.165-02	1.483-09	8.211-03	5.100-12	2.963-04
-.8	9.754-12	1.425-04	2.361-08	5.376-05	4.333-02	9.814-10	6.677-03	3.364-12	2.424-04
-.6	2.022-11	1.847-04	3.208-08	6.990-05	3.361-02	6.508-10	5.425-03	2.228-12	1.980-04
-.4	4.175-11	2.384-04	4.319-08	9.066-05	2.726-02	4.328-10	4.409-03	1.485-12	1.617-04
-.2	8.595-11	3.065-04	5.772-08	1.174-04	2.206-02	2.888-10	3.588-03	9.965-13	1.322-04
.0	1.767-10	3.921-04	7.671-08	1.521-04	1.780-02	1.935-10	2.928-03	6.751-13	1.085-04
.2	3.631-10	4.992-04	1.016-07	1.974-04	1.432-02	1.303-10	2.399-03	4.628-13	8.943-05
.4	7.468-10	6.313-04	1.342-07	2.567-04	1.147-02	8.813-11	1.976-03	3.220-13	7.430-05
.6	1.539-09	7.920-04	1.771-07	3.353-04	9.137-03	5.998-11	1.640-03	2.281-13	6.233-05
.8	3.185-09	9.841-04	2.332-07	4.406-04	7.236-03	4.113-11	1.372-03	1.652-13	5.294-05
1.0	6.625-09	1.210-03	3.062-07	5.835-04	5.694-03	2.853-11	1.159-03	1.229-13	4.565-05
1.2	1.390-08	1.475-03	4.002-07	7.805-04	4.460-03	2.017-11	9.908-04	9.465-14	4.007-05
1.4	2.952-08	1.790-03	5.203-07	1.058-03	3.494-03	1.477-11	8.594-04	7.657-14	3.601-05
1.6	6.400-08	2.183-03	6.760-07	1.464-03	2.743-03	1.156-11	7.622-04	6.681-14	3.346-05
1.8	1.438-07	2.725-03	8.901-07	2.090-03	2.245-03	1.014-11	7.015-04	6.617-14	3.274-05
2.0	3.461-07	3.605-03	1.230-06	3.169-03	1.939-03	1.123-11	6.907-04	8.285-14	3.499-05
2.2	9.646-07	5.491-03	1.950-06	5.496-03	1.935-03	2.115-11	7.860-04	1.759-13	4.458-05

T= 12.00

LOG T	A**	C*	C**	NE*	N	F	A	C	NF
-7.0	5.343-05	7.519-05	3.643-06	7.186-06	9.663-05	4.449-05	5.613-07	3.231-07	3.449-07
-6.8	3.429-05	8.052-05	2.339-06	7.001-06	1.531-04	7.067-05	9.296-07	5.156-07	5.322-07
-6.6	2.178-05	8.134-05	1.493-06	6.725-06	2.426-04	1.116-04	1.480-06	8.250-07	8.096-07
-6.4	1.380-05	8.145-05	9.496-07	6.330-06	3.842-04	1.767-04	2.352-06	1.315-06	1.267-06
-6.2	8.736-06	8.232-05	6.027-07	5.742-06	6.083-04	2.795-04	3.731-06	2.082-06	1.746-06
-6.0	5.528-06	8.257-05	3.822-07	5.105-06	9.624-04	4.413-04	5.911-06	3.321-06	2.439-06
-5.8	3.498-06	8.276-05	2.423-07	4.301-06	1.521-03	6.978-04	9.350-06	5.265-06	3.249-06
-5.6	2.214-06	8.283-05	1.538-07	3.447-06	2.401-03	1.100-03	1.477-05	8.336-06	4.114-06
-5.4	1.403-06	8.310-05	9.776-08	2.629-06	3.782-03	1.722-03	2.324-05	1.317-05	4.968-06
-5.2	8.903-07	8.332-05	6.235-08	1.911-06	5.937-03	2.702-03	3.652-05	2.074-05	5.641-06
-5.0	5.663-07	8.363-05	3.994-08	1.353-06	9.275-03	4.196-03	5.716-05	3.271-05	6.248-06
-4.8	3.615-07	8.407-05	2.579-08	9.331-07	1.434-02	6.452-03	8.842-05	5.127-05	6.759-06
-4.6	2.318-07	8.471-05	1.662-08	6.368-07	2.206-02	9.789-03	1.356-04	7.995-05	7.138-06
-4.4	1.496-07	8.561-05	1.112-08	4.344-07	3.335-02	1.450-02	2.004-04	1.234-04	7.462-06
-4.2	9.726-08	8.683-05	7.445-09	2.995-07	4.943-02	2.098-02	3.012-04	1.896-04	7.767-06
-4.0	6.378-08	8.840-05	5.143-09	2.093-07	7.166-02	2.968-02	4.377-04	2.869-04	8.047-06
-3.8	4.218-08	9.026-05	3.613-09	1.503-07	1.033-01	4.247-02	6.135-04	4.271-04	8.444-06
-3.6	2.811-08	9.230-05	2.595-09	1.102-07	1.505-01	6.191-02	8.822-04	6.243-04	8.869-06
-3.4	1.884-08	9.429-05	1.869-09	8.262-08	2.192-01	8.934-02	1.269-03	9.033-04	9.302-06
-3.2	1.267-08	9.593-05	1.411-09	6.323-08	3.276-01	1.328-01	1.873-03	1.251-03	9.726-06
-3.0	8.535-09	9.690-05	1.059-09	4.913-08	4.800-01	1.934-01	2.711-03	1.711-03	1.032-05
-2.8	5.744-09	9.690-05	7.977-10	3.875-08	6.944-01	2.773-01	3.844-03	2.284-03	1.085-05
-2.6	3.858-09	9.566-05	6.012-10	3.080-08	9.896-01	3.919-01	5.348-03	2.973-03	1.137-05
-2.4	2.594-09	9.306-05	4.512-10	2.463-08	1.401-00	5.466-01	7.660-03	3.776-03	1.187-05
-2.2	1.724-09	8.934-05	3.363-10	1.977-08	1.961-00	7.641-01	1.052-02	4.673-03	1.233-05
-2.0	1.147-09	8.494-05	2.484-10	1.590-08	2.749-00	1.064-00	1.447-02	5.663-03	1.275-05
-1.8	7.613-10	7.757-05	1.816-10	1.280-08	3.843-00	1.484-00	1.987-02	6.844-03	1.313-05
-1.6	5.042-10	7.058-05	1.313-10	1.031-08	5.375-00	2.067-00	2.723-02	8.266-03	1.346-05
-1.4	3.335-10	6.329-05	9.399-11	8.308-09	7.514-00	2.878-00	3.733-02	9.982-03	1.374-05
-1.2	2.206-10	5.577-05	6.662-11	6.695-09	1.051-01	4.007-00	5.113-02	1.205-02	1.398-05
-1.0	1.460-10	4.856-05	4.682-11	5.398-09	1.470-01	5.577-00	7.005-02	1.455-02	1.420-05
-.8	9.688-11	4.180-05	3.269-11	4.354-09	2.057-01	7.757-00	9.597-02	1.756-02	1.438-05
-.6	6.452-11	3.563-05	2.272-11	3.517-09	2.877-01	1.078-01	1.315-02	2.119-02	1.454-05
-.4	4.320-11	3.013-05	1.575-11	2.847-09	4.033-01	1.504-01	1.801-02	2.557-02	1.470-05
-.2	2.914-11	2.534-05	1.092-11	2.311-09	5.642-01	2.104-01	2.468-02	3.087-02	1.485-05
.0	1.946-11	2.123-05	7.599-12	1.883-09	7.897-01	2.952-01	3.381-02	3.726-02	1.503-05
.2	1.371-11	1.775-05	5.317-12	1.544-09	1.105-00	4.128-01	4.633-02	4.498-02	1.524-05
.4	9.625-12	1.484-05	3.753-12	1.275-09	1.548-00	5.779-01	6.348-02	5.430-02	1.541-05
.6	6.903-12	1.241-05	2.661-12	1.063-09	2.168-00	8.095-01	8.894-02	6.553-02	1.546-05
.8	5.085-12	1.039-05	1.942-12	8.963-10	3.037-00	1.134-00	1.245-01	7.910-02	1.631-05
1.0	3.868-12	8.693-06	1.431-12	7.647-10	4.252-00	1.588-00	1.744-01	9.548-02	1.687-05
1.2	3.072-12	7.256-06	1.077-12	6.613-10	5.956-00	2.224-00	2.442-01	1.152-01	1.754-05
1.4	2.589-12	6.034-06	8.359-13	5.811-10	8.342-00	3.115-00	3.419-01	1.390-01	1.832-05
1.6	2.384-12	5.012-06	6.839-13	5.217-10	1.168-01	4.363-00	4.787-01	1.678-01	1.919-05
1.8	2.537-12	4.204-06	6.197-13	4.839-10	1.636-01	6.112-00	6.707-01	2.026-01	2.014-05
2.0	3.497-12	3.675-06	6.897-13	4.760-10	2.291-01	8.559-00	9.394-01	2.447-01	2.113-05
2.2	6.478-12	3.639-06	1.282-12	5.334-10	3.209-01	1.199-01	1.315-00	2.956-01	2.217-05

T= 127.00

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.002-01	3.98343+00	4.05324+01	4.45158+01	1.28343+02	-4.77269+00	3.98380+00
-6.8	5.001-01	3.98211+00	4.05023+01	4.44844+01	1.28279+02	-4.53223+00	3.98258+00
-6.6	4.999-01	3.98091+00	4.04785+01	4.44594+01	1.28222+02	-4.33236+00	3.98149+00
-6.4	4.998-01	3.97958+00	4.04561+01	4.44357+01	1.28166+02	-4.13251+00	3.98031+00
-6.2	4.996-01	3.97784+00	4.04305+01	4.44084+01	1.28090+02	-3.93269+00	3.97874+00
-6.0	4.993-01	3.97541+00	4.03963+01	4.43717+01	1.27943+02	-3.73296+00	3.97657+00
-5.8	4.989-01	3.97174+00	4.03463+01	4.43181+01	1.27163+02	-3.53336+00	3.97323+00
-5.6	4.983-01	3.96625+00	4.02707+01	4.42365+01	1.25259+02	-3.33396+00	3.96804+00
-5.4	4.972-01	3.95779+00	4.01543+01	4.41121+01	1.23314+02	-3.13489+00	3.96009+00
-5.2	4.957-01	3.94487+00	3.99755+01	4.39203+01	1.21320+02	-2.93631+00	3.94771+00
-5.0	4.932-01	3.92527+00	3.97026+01	4.36279+01	1.09234+02	-2.73847+00	3.92883+00
-4.8	4.895-01	3.89559+00	3.92930+01	4.31890+01	1.07023+02	-2.54172+00	3.90034+00
-4.6	4.840-01	3.85328+00	3.86925+01	4.25458+01	1.04638+02	-2.34651+00	3.85857+00
-4.4	4.760-01	3.79249+00	3.78417+01	4.16347+01	1.02026+02	-2.15336+00	3.79932+00
-4.2	4.646-01	3.71149+00	3.66883+01	4.03998+01	9.91437+01	-1.96279+00	3.71895+00
-4.0	4.493-01	3.60708+00	3.52066+01	3.88137+01	9.59760+01	-1.77519+00	3.61565+00
-3.8	4.296-01	3.48111+00	3.34147+01	3.68958+01	9.25513+01	-1.59062+00	3.49068+00
-3.6	4.054-01	3.33830+00	3.13793+01	3.47176+01	8.89452+01	-1.40842+00	3.34868+00
-3.4	3.772-01	3.18585+00	2.92025+01	3.23884+01	8.52663+01	-1.22912+00	3.19678+00
-3.2	3.457-01	3.03171+00	2.69982+01	3.00299+01	8.16298+01	-1.05066+00	3.04292+00
-3.0	3.121-01	2.88303+00	2.48684+01	2.77514+01	7.81385+01	-8.72490-01	2.89426+00
-2.8	2.776-01	2.74503+00	2.28897+01	2.56348+01	7.48645+01	-6.93790-01	2.75611+00
-2.6	2.435-01	2.62112+00	2.11088+01	2.37299+01	7.18487+01	-5.13860-01	2.63175+00
-2.4	2.108-01	2.51248+00	1.95463+01	2.20587+01	6.91047+01	-3.32240-01	2.52260+00
-2.2	1.803-01	2.41919+00	1.82026+01	2.06217+01	6.66261+01	-1.48670-01	2.42870+00
-2.0	1.526-01	2.34029+00	1.70651+01	1.94054+01	6.43933+01	3.69300-02	2.34916+00
-1.8	1.280-01	2.27437+00	1.61137+01	1.83888+01	6.23798+01	2.24520-01	2.28256+00
-1.6	1.065-01	2.21974+00	1.53249+01	1.75447+01	6.05567+01	4.13960-01	2.22727+00
-1.4	8.810-02	2.17469+00	1.46748+01	1.68495+01	5.88951+01	6.05060-01	2.18156+00
-1.2	7.247-02	2.13757+00	1.41402+01	1.62777+01	5.73679+01	7.97580-01	2.14378+00
-1.0	5.938-02	2.10678+00	1.36994+01	1.58061+01	5.59500+01	9.91280-01	2.11235+00
-.8	4.851-02	2.08095+00	1.33323+01	1.54131+01	5.46189+01	1.18590+00	2.08576+00
-.6	3.956-02	2.05829+00	1.30200+01	1.50782+01	5.33536+01	1.38116+00	2.06269+00
-.4	3.224-02	2.03758+00	1.27436+01	1.47811+01	5.21341+01	1.57677+00	2.04097+00
-.2	2.629-02	2.01708+00	1.24837+01	1.45007+01	5.09406+01	1.77238+00	2.01947+00
.0	2.147-02	1.99492+00	1.22193+01	1.42142+01	4.97524+01	1.96758+00	1.99600+00
.2	1.759-02	1.96906+00	1.19281+01	1.38971+01	4.85482+01	2.16192+00	1.96835+00
.4	1.448-02	1.93749+00	1.15874+01	1.35249+01	4.73078+01	2.35490+00	1.93419+00
.6	1.200-02	1.89865+00	1.11788+01	1.30774+01	4.60156+01	2.54610+00	1.89158+00
.8	1.003-02	1.85211+00	1.06927+01	1.25448+01	4.46656+01	2.73532+00	1.83949+00
1.0	8.471-03	1.79307+00	1.01336+01	1.19326+01	4.32655+01	2.92271+00	1.77832+00
1.2	7.248-03	1.74268+00	9.51959+00	1.12623+01	4.18360+01	3.10887+00	1.70994+00
1.4	6.298-03	1.68757+00	8.87825+00	1.05658+01	4.04050+01	3.29492+00	1.63715+00
1.6	5.582-03	1.63947+00	8.23894+00	9.87961+00	3.90000+01	3.48236+00	1.56243+00
1.8	5.095-03	1.60443+00	7.62728+00	9.23221+00	3.76420+01	3.67311+00	1.48980+00
2.0	4.902-03	1.58144+00	7.08324+00	8.65468+00	3.63430+01	3.86745+00	1.41947+00
2.2	5.333-03	1.60678+00	6.56649+00	8.17327+00	3.51111+01	4.07361+00	1.35320+00

T= 1200C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.335-19	3.385-19	6.443-18	1.356-21	.000+00	2.995-33	3.979-33	1.794-13	5.178-15
-6.8	1.725-16	1.337-18	2.562-17	5.497-21	.000+00	2.988-32	3.973-32	4.509-13	1.299-14
-6.6	6.863-16	5.314-18	1.019-16	2.212-20	.000+00	2.981-31	3.966-31	1.132-12	3.260-14
-6.4	2.728-15	2.110-17	4.048-16	8.851-20	.000+00	2.971-30	3.954-30	2.843-12	8.176-14
-6.2	1.084-14	8.373-17	1.607-15	3.536-19	.000+00	2.957-29	3.938-29	7.131-12	2.049-13
-6.0	4.298-14	3.317-16	6.359-15	1.407-18	.000+00	2.936-28	3.912-28	1.787-11	5.128-13
-5.8	1.701-13	1.310-15	2.519-14	5.582-18	.000+00	2.905-27	3.875-27	4.473-11	1.281-12
-5.6	6.716-13	5.157-15	9.930-14	2.207-17	.000+00	2.858-26	3.817-26	1.117-10	3.190-12
-5.4	2.639-12	2.017-14	3.892-13	8.680-17	.000+00	2.787-25	3.731-25	2.782-10	7.907-12
-5.2	1.030-11	7.817-14	1.513-12	3.391-16	.000+00	2.682-24	3.603-24	6.893-10	1.946-11
-5.0	3.975-11	2.986-13	5.813-12	1.311-15	.000+00	2.526-23	3.419-23	1.696-09	4.737-11
-4.8	1.511-10	1.117-12	2.192-11	4.982-15	.000+00	2.314-22	3.151-22	4.128-09	1.135-10
-4.6	5.616-10	4.054-12	8.046-11	1.860-14	.000+00	2.028-21	2.794-21	9.689-09	2.655-10
-4.4	2.020-09	1.411-11	2.858-10	6.727-14	.000+00	1.676-20	2.344-20	2.317-08	6.017-10
-4.2	6.967-09	4.666-11	9.601-10	2.339-13	.000+00	1.276-19	1.829-19	5.271-08	1.306-09
-4.0	2.277-08	1.432-10	3.046-09	7.737-13	.000+00	8.833-19	1.303-18	1.154-07	2.700-09
-3.8	6.901-08	4.090-10	9.014-09	2.419-12	.000+00	5.468-18	8.362-18	2.416-07	5.263-09
-3.6	1.985-07	1.078-09	2.475-08	7.116-12	.000+00	3.009-17	4.790-17	4.808-07	9.665-09
-3.4	5.304-07	2.632-09	6.304-08	1.969-11	.000+00	1.473-16	2.448-16	9.078-07	1.675-08
-3.2	1.313-06	5.983-09	1.495-07	5.128-11	.000+00	6.472-16	1.122-15	1.626-06	2.755-08
-3.0	3.042-06	1.277-08	3.326-07	1.264-10	.000+00	2.582-15	4.665-15	2.773-06	4.329-08
-2.8	6.637-06	2.586-08	6.989-07	2.964-10	.000+00	9.484-15	1.779-14	4.519-06	6.545-08
-2.6	1.373-05	5.006-08	1.399-06	6.635-10	.000+00	3.248-14	6.297-14	7.072-06	9.586-08
-2.4	2.714-05	9.343-08	2.687-06	1.425-09	.000+00	1.050-13	2.095-13	1.068-05	1.367-07
-2.2	5.159-05	1.692-07	4.984-06	2.948-09	.000+00	3.235-13	6.614-13	1.566-05	1.909-07
-2.0	9.488-05	2.987-07	8.981-06	5.893-09	.000+00	9.588-13	2.000-12	2.236-05	2.618-07
-1.8	1.697-04	5.168-07	1.580-05	1.142-08	.000+00	2.752-12	5.837-12	3.126-05	3.539-07
-1.6	2.987-04	8.794-07	2.725-05	2.152-08	.000+00	7.696-12	1.655-11	4.291-05	4.728-07
-1.4	5.089-04	1.476-06	4.624-05	3.954-08	.000+00	2.107-11	4.578-11	5.[illegible]	6.[illegible]
-1.2	8.591-04	2.450-06	7.739-05	7.103-08	.000+00	5.668-11	1.242-10	7.753-05	8.221-07
-1.0	1.431-03	4.029-06	1.281-04	1.251-07	.000+00	1.503-10	3.314-10	1.025-04	1.074-06
-.8	2.355-03	6.580-06	2.100-04	2.165-07	.000+00	3.940-10	8.717-10	1.344-04	1.397-06
-.6	3.835-03	1.068-05	3.414-04	3.693-07	.000+00	1.022-09	2.264-09	1.749-04	1.811-06
-.4	6.180-03	1.726-05	5.510-04	6.217-07	.000+00	2.628-09	5.807-09	2.257-04	2.345-06
-.2	9.852-03	2.779-05	8.827-04	1.035-06	.000+00	6.698-09	1.471-08	2.892-04	3.035-06
.0	1.550-02	4.462-05	1.403-03	1.708-06	.000+00	1.692-08	3.670-08	3.670-04	3.931-06
.2	2.402-02	7.149-05	2.210-03	2.795-06	.000+00	4.231-08	8.996-08	4.603-04	5.102-06
.4	3.647-02	1.144-04	3.444-03	4.540-06	.000+00	1.046-07	2.155-07	5.688-04	6.646-06
.6	5.400-02	1.826-04	5.295-03	7.318-06	.000+00	2.551-07	5.020-07	6.896-04	8.701-06
.8	7.758-02	2.911-04	8.011-03	1.168-05	.000+00	6.123-07	1.130-06	8.174-04	1.146-05
1.0	1.077-01	4.626-04	1.189-02	1.841-05	.000+00	1.445-06	2.444-06	9.459-04	1.521-05
1.2	1.441-01	7.312-04	1.729-02	2.848-05	.000+00	3.353-06	5.068-06	1.070-03	2.038-05
1.4	1.860-01	1.147-03	2.457-02	4.293-05	.000+00	7.673-06	1.006-05	1.192-03	2.769-05
1.6	2.317-01	1.780-03	3.411-02	6.255-05	.000+00	1.743-05	1.911-05	1.325-03	3.849-05
1.8	2.796-01	2.725-03	4.625-02	8.745-05	.000+00	3.973-05	3.481-05	1.506-03	5.370-05
2.0	3.280-01	4.097-03	6.121-02	1.166-04	.000+00	9.234-05	6.087-05	1.828-03	8.692-05
2.2	3.749-01	5.982-03	7.868-02	1.477-04	.000+00	2.227-04	1.018-04	2.610-03	1.588-04

T= 1200C

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	8.132-30	3.073-13	1.035-17	1.355-13	3.912-01	6.819-04	1.053-01	4.048-06	2.278-03
-6.8	3.847-29	7.717-13	2.649-17	3.400-13	3.915-01	6.810-04	1.053-01	2.557-06	2.302-03
-6.6	2.421-28	1.937-12	6.732-17	8.528-13	3.917-01	2.724-04	1.053-01	1.615-06	2.318-03
-6.4	1.523-27	4.861-12	1.703-16	2.139-12	3.918-01	1.721-04	1.052-01	1.020-06	2.327-03
-6.2	9.571-27	1.219-11	4.292-16	5.360-12	3.918-01	1.087-04	1.052-01	6.439-07	2.333-03
-6.0	6.003-26	3.052-11	1.079-15	1.342-11	3.917-01	6.869-05	1.051-01	4.066-07	2.336-03
-5.8	3.753-25	7.631-11	2.706-15	3.354-11	3.916-01	4.343-05	1.050-01	2.568-07	2.338-03
-5.6	2.336-24	1.903-10	6.769-15	8.362-11	3.912-01	2.747-05	1.047-01	1.622-07	2.337-03
-5.4	1.443-23	4.728-10	1.687-14	2.076-10	3.907-01	1.740-05	1.043-01	1.025-07	2.335-03
-5.2	8.810-23	1.168-09	4.186-14	5.124-10	3.899-01	1.104-05	1.038-01	6.480-08	2.330-03
-5.0	5.268-22	2.858-09	1.031-13	1.253-09	3.886-01	7.017-06	1.029-01	4.098-08	2.323-03
-4.8	3.093-21	6.900-09	2.515-13	3.019-09	3.866-01	4.477-06	1.015-01	2.594-08	2.311-03
-4.6	1.744-20	1.634-08	6.043-13	7.131-09	3.836-01	2.869-06	9.956-02	1.643-08	2.292-03
-4.4	9.338-20	3.765-08	1.423-12	1.638-08	3.791-01	1.850-06	9.675-02	1.042-08	2.264-03
-4.2	4.676-19	8.370-08	3.262-12	3.625-08	3.725-01	1.202-06	9.293-02	6.614-09	2.223-03
-4.0	2.156-18	1.780-07	7.234-12	7.663-08	3.632-01	7.876-07	8.799-02	4.209-09	2.166-03
-3.8	9.050-18	3.595-07	1.544-11	1.538-07	3.507-01	5.209-07	8.199-02	2.687-09	2.089-03
-3.6	3.441-17	6.873-07	3.162-11	2.917-07	3.346-01	3.473-07	7.513-02	1.721-09	1.991-03
-3.4	1.188-16	1.243-06	6.211-11	5.237-07	3.148-01	2.331-07	6.773-02	1.106-09	1.870-03
-3.2	3.748-16	2.134-06	1.171-10	8.923-07	2.917-01	1.571-07	6.014-02	7.144-10	1.731-03
-3.0	1.093-15	3.493-06	2.125-10	1.451-06	2.662-01	1.061-07	5.267-02	4.630-10	1.577-03
-2.8	2.980-15	5.483-06	3.721-10	2.263-06	2.391-01	7.159-08	4.558-02	3.011-10	1.415-03
-2.6	7.681-15	8.301-06	6.301-10	3.409-06	2.115-01	4.823-08	3.901-02	1.962-10	1.250-03
-2.4	1.889-14	1.219-05	1.034-09	4.983-06	1.845-01	3.239-08	3.306-02	1.281-10	1.089-03
-2.2	4.474-14	1.743-05	1.650-09	7.102-06	1.589-01	2.168-08	2.778-02	8.367-11	9.370-04
-2.0	1.027-13	2.440-05	2.561-09	9.912-06	1.352-01	1.447-08	2.317-02	5.470-11	7.970-04
-1.8	2.297-13	3.353-05	3.878-09	1.359-05	1.139-01	9.622-09	1.920-02	3.578-11	6.712-04
-1.6	5.036-13	4.541-05	5.738-09	1.838-05	9.516-02	6.385-09	1.582-02	2.342-11	5.606-04
-1.4	1.086-12	6.076-05	8.314-09	2.457-05	7.891-02	4.229-09	1.298-02	1.535-11	4.649-04
-1.2	2.311-12	8.049-05	1.182-08	3.253-05	6.504-02	2.800-09	1.061-02	1.007-11	3.835-04
-1.0	4.868-12	1.058-04	1.653-08	4.276-05	5.335-02	1.853-09	8.648-03	6.628-12	3.150-04
-.8	1.017-11	1.381-04	2.280-08	5.589-05	4.358-02	1.228-09	7.037-03	4.375-12	2.579-04
-.6	2.112-11	1.794-04	3.106-08	7.277-05	3.549-02	8.137-10	5.721-03	2.901-12	2.109-04
-.4	4.357-11	2.319-04	4.189-08	9.448-05	2.882-02	5.433-10	4.652-03	1.935-12	1.723-04
-.2	9.001-11	2.985-04	5.608-08	1.225-04	2.335-02	3.631-10	3.788-03	1.300-12	1.410-04
.0	1.852-10	3.826-04	7.465-08	1.588-04	1.886-02	2.438-10	3.091-03	8.812-13	1.157-04
.2	3.809-10	4.879-04	9.900-08	2.061-04	1.520-02	1.645-10	2.533-03	6.047-13	9.543-05
.4	7.839-10	6.184-04	1.310-07	2.681-04	1.219-02	1.116-10	2.087-03	4.212-13	7.928-05
.6	1.617-09	7.780-04	1.732-07	3.503-04	9.746-03	7.627-11	1.732-03	2.988-13	6.650-05
.8	3.346-09	9.699-04	2.287-07	4.603-04	7.736-03	5.254-11	1.449-03	2.168-13	5.649-05
1.0	6.963-09	1.198-03	3.014-07	6.094-04	6.110-03	3.665-11	1.225-03	1.617-13	4.871-05
1.2	1.461-08	1.466-03	3.960-07	8.150-04	4.805-03	2.602-11	1.048-03	1.250-13	4.280-05
1.4	3.105-08	1.788-03	5.187-07	1.105-03	3.761-03	1.926-11	9.111-04	1.017-13	3.852-05
1.6	6.737-08	2.192-03	6.803-07	1.528-03	3.005-03	1.519-11	8.101-04	8.939-14	3.587-05
1.8	1.516-07	2.753-03	9.059-07	2.184-03	2.455-03	1.351-11	7.481-04	8.938-14	3.520-05
2.0	3.659-07	3.667-03	1.268-06	3.319-03	2.134-03	1.521-11	7.400-04	1.136-13	3.777-05
2.2	1.026-06	5.540-03	2.043-06	5.789-03	2.149-03	2.960-11	8.489-04	2.487-13	4.852-05

T= 120CC

LOG C	A++	C+	C++	NE+	N	C	A	C	NE
-7.0	6.604-05	7.847-05	4.348-06	7.235-C6	8.636-C5	3.984-05	5.123-07	2.897-09	2.943-07
-6.8	4.215-05	8.C05-05	2.861-06	7.076-C6	1.369-04	6.310-05	8.200-07	4.640-09	4.558-07
-6.6	2.690-05	8.100-05	1.792-06	6.937-C6	2.169-04	9.993-05	1.307-06	7.567-09	6.974-07
-6.4	1.700-05	8.175-05	1.141-06	6.488-C6	3.435-04	1.592-04	2.079-06	1.199-08	1.044-06
-6.2	1.077-05	8.219-05	7.248-07	6.C04-C6	5.439-04	2.534-04	3.300-06	1.904-08	1.535-06
-6.0	6.815-C6	8.249-05	4.597-07	5.369-C6	8.604-04	3.999-04	5.230-06	3.031-08	2.173-06
-5.8	4.313-06	8.270-05	2.915-07	4.602-C6	1.361-C3	6.253-04	8.277-06	4.806-08	2.947-06
-5.6	2.730-06	8.287-05	1.850-07	3.757-C6	2.149-03	9.866-04	1.308-05	7.612-08	3.801-06
-5.4	1.730-06	8.305-05	1.175-07	2.916-C6	3.386-C3	1.553-03	2.062-05	1.204-07	4.656-06
-5.2	1.097-06	8.325-05	7.491-08	2.161-C6	5.320-03	2.424-03	3.240-05	1.900-07	5.432-06
-5.0	6.976-07	8.353-05	4.794-08	1.542-C6	8.322-03	3.777-03	5.068-05	2.992-07	6.034-06
-4.8	4.450-07	8.393-05	3.089-08	1.072-C6	1.293-C2	5.822-03	7.874-05	4.635-07	6.606-06
-4.6	2.851-07	8.451-05	2.009-08	7.343-C7	1.995-C2	8.953-03	1.211-04	7.131-07	7.017-06
-4.4	1.837-07	8.534-05	1.324-08	5.016-C7	3.014-C2	1.321-02	1.817-04	1.137-06	7.341-06
-4.2	1.193-07	8.646-05	8.867-09	3.45C-C7	4.498-02	1.974-02	2.735-04	1.746-06	7.615-06
-4.0	7.813-08	8.793-05	6.060-09	2.40R-C7	6.545-C2	2.718-02	3.977-04	2.650-06	7.974-06
-3.8	5.161-08	8.970-05	4.235-09	1.716-C7	9.257-C2	3.711-02	5.614-04	3.960-06	8.344-06
-3.6	3.437-08	9.168-05	3.025-09	1.251-C7	1.288-C1	4.883-02	7.649-04	5.813-06	8.738-06
-3.4	2.303-08	9.366-05	2.204-09	9.335-C8	1.686-C1	6.199-02	1.017-03	8.361-06	9.191-06
-3.2	1.550-08	9.536-05	1.632-09	7.113-C8	2.152-C1	7.606-02	1.301-03	1.176-05	9.667-06
-3.0	1.045-08	9.665-05	1.222-09	5.515-C8	2.669-01	9.052-02	1.611-03	1.617-05	1.018-05
-2.8	7.045-09	9.763-05	9.196-10	4.333-C8	3.208-01	1.049-01	1.934-03	2.169-05	1.071-05
-2.6	4.741-09	9.563-05	6.930-10	3.43R-C8	3.753-01	1.186-01	2.260-03	2.837-05	1.126-05
-2.4	3.181-09	9.328-05	5.206-10	2.747-C8	4.282-01	1.316-01	2.576-03	3.621-05	1.175-05
-2.2	2.127-09	8.956-05	3.886-10	2.203-C8	4.782-01	1.434-01	2.874-03	4.509-05	1.222-05
-2.0	1.418-09	8.455-05	2.875-10	1.772-C8	5.241-01	1.540-01	3.148-03	5.481-05	1.265-05
-1.8	9.430-10	7.847-05	2.107-10	1.427-C8	5.652-01	1.633-01	3.393-03	6.511-05	1.304-05
-1.6	6.256-10	7.161-05	1.527-10	1.149-C8	6.012-01	1.714-01	3.609-03	7.567-05	1.338-05
-1.4	4.145-10	6.431-05	1.096-10	9.263-C9	6.322-01	1.783-01	3.795-03	8.617-05	1.368-05
-1.2	2.746-10	5.690-05	7.784-11	7.467-C9	6.584-01	1.841-01	3.955-03	9.632-05	1.393-05
-1.0	1.820-10	4.966-05	5.484-11	6.022-C9	6.801-01	1.890-01	4.091-03	1.059-04	1.415-05
-.8	1.209-10	4.284-05	3.838-11	4.859-09	6.976-01	1.931-01	4.207-03	1.147-04	1.434-05
-.6	8.063-11	3.659-05	2.673-11	3.926-C9	7.112-01	1.966-01	4.306-03	1.226-04	1.450-05
-.4	5.405-11	3.100-05	1.857-11	3.17A-C9	7.209-01	1.995-01	4.393-03	1.295-04	1.466-05
-.2	3.650-11	2.610-05	1.290-11	2.580-C9	7.267-01	2.021-01	4.473-03	1.358-04	1.482-05
.0	2.489-11	2.190-05	9.992-12	2.103-C9	7.281-01	2.046-01	4.552-03	1.419-04	1.499-05
.2	1.720-11	1.833-05	6.305-12	1.724-C9	7.243-01	2.070-01	4.636-03	1.480-04	1.520-05
.4	1.209-11	1.534-05	4.461-12	1.423-C9	7.144-01	2.095-01	4.734-03	1.500-04	1.546-05
.6	8.681-12	1.285-05	3.195-12	1.186-C9	6.971-01	2.124-01	4.851-03	1.534-04	1.579-05
.8	6.403-12	1.078-05	2.324-12	9.997-10	6.714-01	2.155-01	4.996-03	1.558-04	1.623-05
1.0	4.885-12	9.053-06	1.722-12	8.531-10	6.368-01	2.187-01	5.174-03	1.564-04	1.677-05
1.2	3.894-12	7.593-06	1.306-12	7.384-10	5.936-01	2.217-01	5.385-03	1.553-04	1.743-05
1.4	3.298-12	6.358-06	1.024-12	6.498-10	5.431-01	2.238-01	5.629-03	1.504-04	1.820-05
1.6	3.058-12	5.329-06	8.490-13	5.846-10	4.871-01	2.243-01	5.900-03	1.412-04	1.907-05
1.8	3.284-12	4.519-06	7.811-13	5.440-10	4.277-01	2.221-01	6.194-03	1.272-04	2.001-05
2.0	4.592-12	3.959-06	8.904-13	5.375-10	3.667-01	2.161-01	6.502-03	1.092-04	2.101-05
2.2	1.148-11	4.026-06	1.720-12	6.076-10	3.057-01	2.044-01	6.815-03	8.876-05	2.205-05

T= 128CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.003-01	3.98409+00	4.02879+01	4.4272C+C1	1.28416+02	-4.72661+00	3.98445+00
-6.8	5.001-01	3.98259+00	4.02524+01	4.4235C+C1	1.28546+02	-4.52477+00	3.98305+00
-6.6	5.000-01	3.98130+00	4.02257+01	4.42C7C+C1	1.24685+02	-4.32851+00	3.98188+00
-6.4	4.998-01	3.97997+00	4.02023+01	4.41823+01	1.22829+02	-4.12906+00	3.98070+00
-6.2	4.997-01	3.97834+00	4.01772+01	4.4155e+C1	1.20971+02	-3.92923+00	3.97925+00
-6.0	4.994-01	3.97608+00	4.01453+01	4.41214+01	1.19108+02	-3.72948+00	3.97722+00
-5.8	4.990-01	3.97276+00	4.00999+01	4.40727+C1	1.17232+02	-3.52984+00	3.97420+00
-5.6	4.984-01	3.96775+00	4.00319+01	4.39997+C1	1.15336+02	-3.33039+00	3.96956+00
-5.4	4.975-01	3.96010+00	3.99277+01	4.3887E+C1	1.13406+02	-3.13123+00	3.96236+00
-5.2	4.961-01	3.94841+00	3.97676+01	4.3716C+C1	1.11425+02	-2.93251+00	3.95123+00
-5.0	4.939-01	3.93065+00	3.95227+01	4.34533+01	1.09365+02	-2.73447+00	3.93415+00
-4.8	4.906-01	3.90401+00	3.91535+01	4.30575+01	1.07192+02	-2.53742+00	3.90834+00
-4.6	4.856-01	3.86491+00	3.86088+01	4.24737+01	1.04857+02	-2.34180+00	3.87019+00
-4.4	4.782-01	3.80923+00	3.78299+01	4.16392+C1	1.02311+02	-2.14810+00	3.81559+00
-4.2	4.678-01	3.73314+00	3.67619+01	4.0495C+01	9.95053+01	-1.95686+00	3.74066+00
-4.0	4.535-01	3.63431+00	3.53709+01	3.90052+01	9.64171+01	-1.76851+00	3.64300+00
-3.8	4.349-01	3.51330+00	3.36633+01	3.7176E+01	9.30629+01	-1.58322+00	3.52306+00
-3.6	4.118-01	3.37403+00	3.16941+01	3.50682+01	8.95073+01	-1.40079+00	3.38470+00
-3.4	3.845-01	3.22325+00	2.95580+01	3.27812+01	8.58519+01	-1.22064+00	3.23457+00
-3.2	3.537-01	3.06087+00	2.73672+01	3.04361+01	8.22120+01	-1.04196+00	3.08055+00
-3.0	3.205-01	2.91835+00	2.52277+01	2.81461+01	7.86943+01	-8.63800-01	2.93012+00
-2.8	2.862-01	2.77748+00	2.32222+01	2.5999E+01	7.53777+01	-5.85290-01	2.78909+00
-2.6	2.519-01	2.64996+00	2.14041+01	2.4054C+01	7.23106+01	-5.05700-01	2.66120+00
-2.4	2.188-01	2.53757+00	1.97997+01	2.23372+01	6.95124+01	-3.24520-01	2.54831+00
-2.2	1.877-01	2.44061+00	1.84136+01	2.08542+01	6.69807+01	-1.41440-01	2.45074+00
-2.0	1.593-01	2.35834+00	1.72360+01	1.95944+01	6.46988+01	4.36700-02	2.36779+00
-1.8	1.339-01	2.28940+00	1.62486+01	1.8537E+01	6.26615+01	2.30790-01	2.29816+00
-1.6	1.117-01	2.23217+00	1.54279+01	1.76601+01	6.07803+01	4.19790-01	2.24023+00
-1.4	9.251-02	2.18493+00	1.47507+01	1.69356+01	5.90864+01	6.10500-01	2.19223+00
-1.2	7.622-02	2.14599+00	1.41934+01	1.63394+01	5.75322+01	8.02690-01	2.15267+00
-1.0	6.253-02	2.11374+00	1.37342+01	1.5847E+01	5.6092e+01	9.96120-01	2.11975+00
-.8	5.114-02	2.08668+00	1.33527+01	1.5439e+C1	5.47439+01	1.19052+00	2.09199+00
-.6	4.174-02	2.06332+00	1.30296+01	1.5C929+C1	5.36654+01	1.38563+00	2.06788+00
-.4	3.404-02	2.04213+00	1.27462+01	1.47884+01	5.22369+01	1.58115+00	2.04586+00
-.2	2.777-02	2.02168+00	1.24832+01	1.45047+01	5.10390+01	1.77673+00	2.02419+00
.0	2.269-02	1.99954+00	1.22198+01	1.42193+01	4.98487+01	1.97134+00	2.00092+00
.2	1.859-02	1.97430+00	1.19338+01	1.39C81+01	4.86475+01	2.16648+00	1.97385+00
.4	1.530-02	1.94371+00	1.16026+01	1.35463+01	4.74139+01	2.35970+00	1.94065+00
.6	1.268-02	1.90611+00	1.12066+01	1.31127+01	4.61312+01	2.55121+00	1.89926+00
.8	1.059-02	1.86087+00	1.07346+01	1.2595e+01	4.47915+01	2.74078+00	1.84944+00
1.0	8.942-03	1.80899+00	1.01886+01	1.1997e+01	4.34CC2+01	2.92950+00	1.79834+00
1.2	7.647-03	1.75334+00	9.58426+00	1.1337E+01	4.19757+01	3.11493+00	1.72061+00
1.4	6.641-03	1.69868+00	8.96830+00	1.0646E+01	4.05451+01	3.30112+00	1.64796+00
1.6	5.895-03	1.65014+00	8.30996+00	9.9601C+CC	3.91361+01	3.48858+00	1.57337+00
1.8	5.374-03	1.61447+00	7.69569+00	9.31067+CC	3.777C6+01	3.67423+00	1.49946+00
2.0	5.179-03	1.6C054+00	7.12686+CC	8.7274C+CC	3.64624+01	3.87533+00	1.42812+00
2.2	5.671-03	1.61447+00	6.62516+00	8.23962+CC	3.52216+01	4.07904+00	1.36078+00

T= 12900

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.232-17	2.628-19	4.946-18	1.019-21	.000+00	2.021-33	2.531-33	1.514-13	4.484-15
-6.8	1.297-16	1.044-18	1.967-17	4.144-21	.000+00	2.017-32	2.628-32	3.806-13	1.120-14
-6.6	5.118-16	4.149-18	7.821-17	1.672-20	.000+00	2.012-31	2.623-31	9.561-13	2.811-14
-6.4	2.035-15	1.648-17	3.108-16	6.768-20	.000+00	2.006-30	2.616-30	2.401-12	7.051-14
-6.2	8.084-15	6.539-17	1.234-15	2.680-19	.000+00	1.997-29	2.606-29	6.023-12	1.767-13
-6.0	3.208-14	2.591-16	4.893-15	1.067-18	.000+00	1.984-28	2.591-28	1.510-11	4.424-13
-5.8	1.271-13	1.025-15	1.936-14	4.238-18	.000+00	1.965-27	2.568-27	3.780-11	1.106-12
-5.6	5.019-13	4.036-15	7.639-14	1.677-17	.000+00	1.936-26	2.534-26	9.447-11	2.756-12
-5.4	1.974-12	1.581-14	2.999-13	6.605-17	.000+00	1.892-25	2.482-25	2.354-10	6.860-12
-5.2	7.719-12	6.144-14	1.169-12	2.565-16	.000+00	1.827-24	2.404-24	5.842-10	1.697-11
-5.0	2.959-11	2.356-13	4.504-12	1.002-15	.000+00	1.733-23	2.291-23	1.440-09	4.118-11
-4.8	1.141-10	8.863-13	1.707-11	3.832-15	.000+00	1.599-22	2.129-22	3.515-09	9.907-11
-4.6	4.265-10	3.243-12	6.311-11	1.430-14	.000+00	1.417-21	1.908-21	8.468-09	2.333-10
-4.4	1.560-09	1.161-11	2.255-10	5.234-14	.000+00	1.184-20	1.624-20	1.994-08	5.331-10
-4.2	5.397-09	3.812-11	7.699-10	1.687-13	.000+00	9.248-20	1.292-19	4.571-08	1.171-09
-4.0	1.788-08	1.195-10	2.480-09	6.155-13	.000+00	6.558-19	9.417-19	1.011-07	2.450-09
-3.8	5.570-08	3.475-10	7.467-09	1.951-12	.000+00	4.172-18	6.200-18	2.140-07	4.843-09
-3.6	1.620-07	9.335-10	2.088-08	5.821-12	.000+00	2.361-17	3.650-17	4.312-07	9.019-09
-3.4	4.381-07	2.320-09	5.412-08	1.633-11	.000+00	1.188-16	1.916-16	8.246-07	1.586-08
-3.2	1.103-06	5.359-09	1.305-07	4.311-11	.000+00	5.351-16	9.011-16	1.496-06	2.636-08
-3.0	2.595-06	1.160-08	2.944-07	1.076-10	.000+00	2.182-15	3.830-15	2.581-06	4.185-08
-2.8	5.740-06	2.377-08	6.269-07	2.548-10	.000+00	8.164-15	1.489-14	4.250-06	6.383-08
-2.6	1.202-05	4.647-08	1.269-06	5.761-10	.000+00	2.840-14	5.361-14	6.714-06	9.415-08
-2.4	2.401-05	8.744-08	2.459-06	1.268-09	.000+00	9.298-14	1.808-13	1.023-05	1.351-07
-2.2	4.604-05	1.594-07	4.558-06	2.600-09	.000+00	2.896-13	5.777-13	1.509-05	1.895-07
-2.0	8.531-05	2.830-07	8.339-06	5.233-09	.000+00	8.656-13	1.764-12	2.169-05	2.610-07
-1.8	1.536-04	4.918-07	1.475-05	1.020-08	.000+00	2.502-12	5.189-12	3.047-05	3.540-07
-1.6	2.699-04	8.398-07	2.555-05	1.932-08	.000+00	7.038-12	1.481-11	4.201-05	4.743-07
-1.4	4.649-04	1.414-06	4.351-05	3.568-08	.000+00	1.936-11	4.119-11	5.703-05	6.292-07
-1.2	7.875-04	2.353-06	7.305-05	6.432-08	.000+00	5.228-11	1.122-10	7.642-05	8.282-07
-1.0	1.315-03	3.878-06	1.212-04	1.137-07	.000+00	1.391-10	3.006-10	1.013-04	1.094-06
-.8	2.171-03	6.342-06	1.991-04	1.974-07	.000+00	3.656-10	7.931-10	1.331-04	1.411-06
-.6	3.543-03	1.031-05	3.244-04	3.374-07	.000+00	9.505-10	2.065-09	1.736-04	1.832-06
-.4	5.723-03	1.667-05	5.243-04	5.693-07	.000+00	2.448-09	5.312-09	2.246-04	2.376-06
-.2	9.144-03	2.687-05	8.412-04	9.497-07	.000+00	6.252-09	1.349-08	2.883-04	3.075-06
.0	1.443-02	4.316-05	1.339-03	1.569-06	.000+00	1.582-08	3.376-08	3.669-04	3.985-06
.2	2.242-02	6.917-05	2.113-03	2.572-06	.000+00	3.965-08	8.302-08	4.617-04	5.175-06
.4	3.417-02	1.107-04	3.299-03	4.162-06	.000+00	9.824-08	1.997-07	5.728-04	6.745-06
.6	5.082-02	1.768-04	5.084-03	6.751-06	.000+00	2.402-07	4.675-07	6.978-04	8.833-06
.8	7.341-02	2.817-04	7.712-03	1.080-05	.000+00	5.783-07	1.058-06	8.321-04	1.164-05
1.0	1.025-01	4.477-04	1.148-02	1.706-05	.000+00	1.369-06	2.304-06	9.694-04	1.547-05
1.2	1.380-01	7.079-04	1.674-02	2.648-05	.000+00	3.189-06	4.807-06	1.105-03	2.076-05
1.4	1.792-01	1.111-03	2.387-02	4.013-05	.000+00	7.327-06	9.600-06	1.240-03	2.826-05
1.6	2.245-01	1.726-03	3.325-02	5.884-05	.000+00	1.671-05	1.835-05	1.389-03	3.941-05
1.8	2.723-01	2.644-03	4.523-02	8.294-05	.000+00	3.822-05	3.362-05	1.592-03	5.727-05
2.0	3.209-01	3.979-03	6.002-02	1.116-04	.000+00	8.912-05	5.907-05	1.948-03	8.983-05
2.2	3.682-01	5.810-03	7.731-02	1.424-04	.000+00	2.153-04	9.916-05	2.815-03	1.655-04

T= 12900

LOG C	C2-	NO+	CO+	O-	N+	N-	O+	O++	A+
-7.0	4.884-30	2.541-13	8.677-18	1.202-13	3.909-01	8.476-04	1.052-01	5.231-06	2.263-03
-6.8	3.073-29	6.382-13	2.229-17	3.014-13	3.914-01	5.360-04	1.053-01	3.305-06	2.292-03
-6.6	1.934-28	1.602-12	5.679-17	7.560-13	3.916-01	3.387-04	1.053-01	2.087-06	2.311-03
-6.4	1.217-27	4.021-12	1.439-16	1.896-12	3.918-01	2.140-04	1.053-01	1.318-06	2.323-03
-6.2	7.648-27	1.008-11	3.631-16	4.752-12	3.918-01	1.352-04	1.052-01	8.324-07	2.331-03
-6.0	4.799-26	2.526-11	9.135-16	1.190-11	3.917-01	8.545-05	1.051-01	5.257-07	2.335-03
-5.8	3.003-25	6.319-11	2.293-15	2.976-11	3.916-01	5.402-05	1.050-01	3.320-07	2.337-03
-5.6	1.871-24	1.577-10	5.739-15	7.425-11	3.913-01	3.417-05	1.048-01	2.097-07	2.337-03
-5.4	1.158-23	3.922-10	1.432-14	1.846-10	3.909-01	2.163-05	1.044-01	1.325-07	2.336-03
-5.2	7.094-23	9.702-10	3.557-14	4.562-10	3.901-01	1.372-05	1.039-01	8.378-08	2.332-03
-5.0	4.278-22	2.380-09	8.780-14	1.118-09	3.890-01	8.717-06	1.031-01	5.298-08	2.325-03
-4.8	2.520-21	5.768-09	2.147-13	2.705-09	3.872-01	5.557-06	1.019-01	3.353-08	2.315-03
-4.6	1.435-20	1.373-08	5.179-13	6.425-09	3.845-01	3.557-06	1.001-01	2.123-08	2.298-03
-4.4	7.788-20	3.187-08	1.226-12	1.481-08	3.804-01	2.290-06	9.750-02	1.346-08	2.273-03
-4.2	3.968-19	7.151-08	2.829-12	3.322-08	3.743-01	1.485-06	9.393-02	8.546-09	2.237-03
-4.0	1.868-18	1.538-07	6.326-12	7.105-08	3.658-01	9.717-07	8.926-02	5.436-09	2.185-03
-3.8	8.023-18	3.146-07	1.363-11	1.444-07	3.541-01	6.414-07	8.350-02	3.468-09	2.114-03
-3.6	3.124-17	6.095-07	2.818-11	2.777-07	3.388-01	4.270-07	7.682-02	2.219-09	2.022-03
-3.4	1.103-16	1.117-06	5.587-11	5.050-07	3.199-01	2.863-07	6.951-02	1.426-09	1.908-03
-3.2	3.552-16	1.941-06	1.063-10	8.710-07	2.976-01	1.929-07	6.194-02	9.202-10	1.774-03
-3.0	1.055-15	3.212-06	1.945-10	1.431-06	2.726-01	1.302-07	5.442-02	5.961-10	1.623-03
-2.8	2.919-15	5.091-06	3.431-10	2.254-06	2.458-01	8.798-08	4.722-02	3.875-10	1.463-03
-2.6	7.619-15	7.771-06	5.850-10	3.423-06	2.183-01	5.934-08	4.052-02	2.525-10	1.298-03
-2.4	1.894-14	1.149-05	9.663-10	5.037-06	1.911-01	3.991-08	3.443-02	1.649-10	1.136-03
-2.2	4.523-14	1.653-05	1.550-09	7.222-06	1.650-01	2.676-08	2.899-02	1.078-10	9.807-04
-2.0	1.045-13	2.325-05	2.419-09	1.013-05	1.409-01	1.788-08	2.422-02	7.050-11	8.369-04
-1.8	2.353-13	3.210-05	3.680-09	1.395-05	1.190-01	1.191-08	2.011-02	4.615-11	7.068-04
-1.6	5.183-13	4.363-05	5.469-09	1.892-05	9.961-02	7.917-09	1.659-02	3.023-11	5.918-04
-1.4	1.122-12	5.855-05	7.955-09	2.536-05	8.276-02	5.253-09	1.363-02	1.983-11	4.919-04
-1.2	2.396-12	7.775-05	1.135-08	3.367-05	6.833-02	3.482-09	1.115-02	1.303-11	4.064-04
-1.0	5.059-12	1.024-04	1.593-08	4.434-05	5.613-02	2.308-09	9.099-03	8.579-12	3.343-04
-.8	1.059-11	1.340-04	2.202-08	5.806-05	4.592-02	1.532-09	7.411-03	5.668-12	2.741-04
-.6	2.204-11	1.743-04	3.006-08	7.569-05	3.744-02	1.019-09	6.029-03	3.762-12	2.243-04
-.4	4.563-11	2.256-04	4.064-08	9.839-05	3.044-02	6.796-10	4.906-03	2.511-12	1.835-04
-.2	9.417-11	2.909-04	5.450-08	1.277-04	2.468-02	4.550-10	3.995-03	1.686-12	1.502-04
.0	1.940-10	3.734-04	7.266-08	1.656-04	1.997-02	3.061-10	3.262-03	1.146-12	1.233-04
.2	3.993-10	4.771-04	9.651-08	2.151-04	1.611-02	2.070-10	2.673-03	7.870-13	1.017-04
.4	8.223-10	6.060-04	1.279-07	2.799-04	1.295-02	1.409-10	2.202-03	5.487-13	8.450-05
.6	1.697-09	7.644-04	1.694-07	3.658-04	1.037-02	9.660-11	1.827-03	3.898-13	7.088-05
.8	3.513-09	9.561-04	2.242-07	4.806-04	8.260-03	6.685-11	1.530-03	2.833-13	6.020-05
1.0	7.314-09	1.185-03	2.966-07	6.362-04	6.546-03	4.689-11	1.296-03	2.119-13	5.193-05
1.2	1.535-08	1.458-03	3.916-07	8.508-04	5.169-03	3.361-11	1.103-03	1.645-13	4.566-05
1.4	3.264-08	1.786-03	5.165-07	1.153-03	4.086-03	2.502-11	9.650-04	1.345-13	4.115-05
1.6	7.089-08	2.202-03	6.835-07	1.596-03	3.263-03	1.991-11	8.601-04	1.191-13	3.839-05
1.8	1.598-07	2.760-03	9.202-07	2.283-03	2.680-03	1.792-11	7.968-04	1.202-13	3.778-05
2.0	3.866-07	3.729-03	1.305-06	3.475-03	2.344-03	2.051-11	7.917-04	1.550-13	4.072-05
2.2	1.090-06	5.792-03	2.137-06	6.100-03	2.385-03	4.132-11	9.158-04	3.507-13	5.274-05

T= 1250C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	8.066-05	7.764-05	5.166-06	7.276-C6	7.730-05	3.573-05	4.514-07	2.622-09	2.514-07
-6.8	5.162-05	7.949-05	3.341-06	7.140-C6	1.225-04	5.659-05	7.241-07	4.251-09	3.997-07
-6.6	3.287-05	8.072-05	2.143-06	6.933-C6	1.942-04	8.961-05	1.154-06	6.835-09	6.006-07
-6.4	2.087-05	8.151-05	1.367-06	6.628-C6	3.076-04	1.419-04	1.841-06	1.093-08	9.092-07
-6.2	1.323-05	8.203-05	8.690-07	6.193-C6	4.870-04	2.246-04	2.923-06	1.742-08	1.345-06
-6.0	8.379-06	8.238-05	5.515-07	5.612-C6	7.708-04	3.552-04	4.636-06	2.769-08	1.910-06
-5.8	5.301-06	8.262-05	3.498-07	4.889-C6	1.219-03	5.612-04	7.340-06	4.393-08	2.654-06
-5.6	3.355-06	8.281-05	2.219-07	4.062-C6	1.925-03	8.852-04	1.160-05	6.960-08	3.693-06
-5.4	2.126-06	8.299-05	1.410-07	3.210-C6	3.036-03	1.393-03	1.830-05	1.101-07	4.357-06
-5.2	1.348-06	8.319-05	8.978-08	2.417-C6	4.774-03	2.184-03	2.879-05	1.739-07	5.149-06
-5.0	8.566-07	8.345-05	5.740-08	1.747-C6	7.477-03	3.403-03	4.510-05	2.740-07	5.959-06
-4.8	5.462-07	8.381-05	3.692-08	1.225-C6	1.164-02	5.259-03	7.020-05	4.303-07	6.636-06
-4.6	3.496-07	8.434-05	2.393-08	8.439-C7	1.795-02	8.026-03	1.083-04	6.727-07	6.987-06
-4.4	2.251-07	8.509-05	1.573-08	5.774-C7	2.735-02	1.204-02	1.649-04	1.045-06	7.255-06
-4.2	1.453-07	8.613-05	1.049-08	3.957-C7	4.094-02	1.764-02	2.468-04	1.604-06	7.531-06
-4.0	9.543-08	8.750-05	7.134-09	2.760-C7	5.992-02	2.511-02	3.611-04	2.444-06	7.901-06
-3.8	6.236-08	8.918-05	4.958-09	1.957-C7	8.536-02	3.456-02	5.142-04	3.572-06	8.246-06
-3.6	4.189-08	9.109-05	3.523-09	1.420-C7	1.179-01	4.588-02	7.097-04	5.413-06	8.631-06
-3.4	2.837-08	9.305-05	2.555-09	1.056-C7	1.574-01	5.874-02	9.472-04	7.921-06	9.055-06
-3.2	1.890-08	9.478-05	1.985-09	7.996-C8	2.033-01	7.263-02	1.222-03	1.106-05	9.542-06
-3.0	1.275-08	9.569-05	1.640-09	6.176-C8	2.539-01	8.703-02	1.526-03	1.527-05	1.005-05
-2.8	8.609-09	9.634-05	1.058-09	4.940-C8	3.075-01	1.014-01	1.846-03	2.054-05	1.058-05
-2.6	5.803-09	9.556-05	7.973-10	3.833-C8	3.620-01	1.154-01	2.172-03	2.707-05	1.111-05
-2.4	3.902-09	9.346-05	5.993-10	3.059-C8	4.154-01	1.285-01	2.492-03	3.471-05	1.162-05
-2.2	2.615-09	8.999-05	4.479-10	2.452-C8	4.662-01	1.406-01	2.796-03	4.343-05	1.210-05
-2.0	1.747-09	8.522-05	3.320-10	1.971-C8	5.131-01	1.515-01	3.076-03	5.302-05	1.255-05
-1.8	1.164-09	7.933-05	2.438-10	1.587-C8	5.554-01	1.611-01	3.329-03	6.325-05	1.295-05
-1.6	7.734-10	7.261-05	1.771-10	1.279-C8	5.927-01	1.695-01	3.553-03	7.379-05	1.330-05
-1.4	5.133-10	6.540-05	1.274-10	1.031-C8	6.248-01	1.767-01	3.747-03	8.433-05	1.361-05
-1.2	3.405-10	5.801-05	9.072-11	8.314-C9	6.522-01	1.827-01	3.914-03	9.456-05	1.387-05
-1.0	2.261-10	5.076-05	6.407-11	6.707-C9	6.749-01	1.878-01	4.056-03	1.042-04	1.410-05
-.8	1.504-10	4.388-05	4.493-11	5.414-C9	5.934-01	1.921-01	4.177-03	1.132-04	1.429-05
-.6	1.004-10	3.755-05	3.136-11	4.375-C9	7.078-01	1.957-01	4.280-03	1.212-04	1.446-05
-.4	6.739-11	3.187-05	2.184-11	3.542-C9	7.184-01	1.988-01	4.371-03	1.284-04	1.462-05
-.2	4.556-11	2.688-05	1.520-11	2.876-C9	7.250-01	2.015-01	4.453-03	1.348-04	1.478-05
.0	3.110-11	2.257-05	1.062-11	2.344-C9	7.273-01	2.039-01	4.533-03	1.403-04	1.495-05
.2	2.151-11	1.892-05	7.457-12	1.921-C9	7.246-01	2.064-01	4.617-03	1.451-04	1.516-05
.4	1.514-11	1.585-05	5.288-12	1.586-C9	7.158-01	2.089-01	4.713-03	1.493-04	1.541-05
.6	1.088-11	1.330-05	3.798-12	1.341-09	6.998-01	2.116-01	4.828-03	1.529-04	1.573-05
.8	8.039-12	1.118-05	2.773-12	1.113-C9	6.755-01	2.146-01	4.969-03	1.559-04	1.615-05
1.0	6.168-12	9.415-06	2.065-12	9.502-10	6.423-01	2.178-01	5.142-03	1.587-04	1.668-05
1.2	4.917-12	7.934-06	1.577-12	8.230-10	6.004-01	2.207-01	5.349-03	1.558-04	1.733-05
1.4	4.185-12	6.686-06	1.249-12	7.252-10	5.509-01	2.228-01	5.590-03	1.516-04	1.809-05
1.6	3.907-12	5.651-06	1.049-12	6.538-10	4.954-01	2.234-01	5.859-03	1.432-04	1.894-05
1.8	4.235-12	4.844-06	9.815-13	6.103-10	4.361-01	2.213-01	6.151-03	1.300-04	1.988-05
2.0	6.009-12	4.340-06	1.144-12	6.057-10	3.749-01	2.155-01	6.459-03	1.125-04	2.088-05
2.2	1.552-11	4.443-06	2.301-12	6.910-10	3.132-01	2.039-01	6.772-03	9.214-05	2.192-05

T= 1250C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.004-01	3.98487+00	4.00508+01	4.40357+01	1.28491+02	-4.72514+00	3.98523+00
-6.8	5.002-01	3.98314+00	4.00086+01	4.39917+01	1.28614+02	-4.52533+00	3.98359+00
-6.6	5.000-01	3.98173+00	3.99781+01	4.39598+01	1.24750+02	-4.32548+00	3.98230+00
-6.4	4.999-01	3.98038+00	3.99529+01	4.39333+01	1.22892+02	-4.12563+00	3.98109+00
-6.2	4.997-01	3.97879+00	3.99279+01	4.39067+01	1.21034+02	-3.92580+00	3.97969+00
-6.0	4.995-01	3.97668+00	3.98977+01	4.38744+01	1.19172+02	-3.72604+00	3.97782+00
-5.8	4.991-01	3.97365+00	3.98561+01	4.38298+01	1.17259+02	-3.52637+00	3.97507+00
-5.6	4.986-01	3.96909+00	3.97947+01	4.37638+01	1.15409+02	-3.32687+00	3.97088+00
-5.4	4.978-01	3.96216+00	3.97011+01	4.36633+01	1.13489+02	-3.12762+00	3.96439+00
-5.2	4.965-01	3.95157+00	3.95575+01	4.35091+01	1.11523+02	-2.92879+00	3.95436+00
-5.0	4.945-01	3.93545+00	3.93375+01	4.32730+01	1.09487+02	-2.73056+00	3.93893+00
-4.8	4.915-01	3.91121+00	3.90046+01	4.29156+01	1.07347+02	-2.53325+00	3.91351+00
-4.6	4.870-01	3.87543+00	3.85107+01	4.23861+01	1.05060+02	-2.33724+00	3.88069+00
-4.4	4.802-01	3.82407+00	3.77986+01	4.16226+01	1.02574+02	-2.14303+00	3.83044+00
-4.2	4.706-01	3.75314+00	3.68114+01	4.05665+01	9.98412+01	-1.95116+00	3.76070+00
-4.0	4.573-01	3.65984+00	3.55089+01	3.91687+01	9.68310+01	-1.76209+00	3.66863+00
-3.8	4.398-01	3.54393+00	3.38865+01	3.74304+01	9.35430+01	-1.57607+00	3.55387+00
-3.6	4.178-01	3.40855+00	3.19873+01	3.53958+01	9.00484+01	-1.39299+00	3.41949+00
-3.4	3.914-01	3.25988+00	2.98974+01	3.31573+01	8.64227+01	-1.21235+00	3.27157+00
-3.2	3.614-01	3.10569+00	2.77263+01	3.08320+01	8.27855+01	-1.03340+00	3.11784+00
-3.0	3.288-01	2.95372+00	2.55824+01	2.85362+01	7.92467+01	-8.55190-01	2.96602+00
-2.8	2.946-01	2.81016+00	2.35542+01	2.63644+01	7.58918+01	-6.76820-01	2.82236+00
-2.6	2.602-01	2.67925+00	2.17018+01	2.43810+01	7.27760+01	-4.97540-01	2.69112+00
-2.4	2.267-01	2.56319+00	2.00572+01	2.26204+01	6.99250+01	-3.16780-01	2.57456+00
-2.2	1.951-01	2.46259+00	1.86298+01	2.10922+01	6.73409+01	-1.36160-01	2.47334+00
-2.0	1.660-01	2.37630+00	1.74122+01	1.97891+01	6.50098+01	5.04600-02	2.38697+00
-1.8	1.399-01	2.30491+00	1.63881+01	1.8693C+01	6.29082+01	2.37100-01	2.31426+00
-1.6	1.159-01	2.24502+00	1.55355+01	1.77805+01	6.10084+01	4.25660-01	2.25363+00
-1.4	9.704-02	2.19551+00	1.48307+01	1.70262+01	5.92816+01	6.15980-01	2.20340+00
-1.2	8.007-02	2.15470+00	1.42503+01	1.64C5C+01	5.76998+01	8.07830-01	2.16186+00
-1.0	6.578-02	2.12094+00	1.37722+01	1.58932+01	5.62375+01	1.00097+00	2.12739+00
-.8	5.386-02	2.09270+00	1.33757+01	1.54684+01	5.49710+01	1.19515+00	2.09842+00
-.6	4.400-02	2.06847+00	1.30414+01	1.51C95+01	5.35787+01	1.39009+00	2.07343+00
-.4	3.591-02	2.04674+00	1.27504+01	1.47972+01	5.23402+01	1.58551+00	2.05083+00
-.2	2.931-02	2.02589+00	1.24836+01	1.45095+01	5.11356+01	1.78106+00	2.02893+00
.0	2.396-32	2.00411+00	1.22206+01	1.42245+01	4.99444+01	1.97637+00	2.00580+00
.2	1.963-02	1.97941+00	1.19389+01	1.39183+01	4.87455+01	2.17098+00	1.97925+00
.4	1.616-02	1.94974+00	1.16163+01	1.35661+01	4.75180+01	2.36442+00	1.94695+00
.6	1.339-02	1.91335+00	1.12324+01	1.31457+01	4.62443+01	2.55626+00	1.90673+00
.8	1.118-02	1.86942+00	1.07742+01	1.2643C+01	4.49149+01	2.74615+00	1.85718+00
1.0	9.435-03	1.81871+00	1.02612+01	1.20596+01	4.35325+01	2.93421+00	1.79819+00
1.2	8.064-03	1.76387+00	9.64731+00	1.14112+01	4.21137+01	3.12091+00	1.73119+00
1.4	7.000-03	1.70934+00	9.01738+00	1.07267+01	4.06842+01	3.30727+00	1.65874+00
1.6	6.202-03	1.66083+00	8.34061+00	1.00415+01	3.92718+01	3.49477+00	1.58385+00
1.8	5.667-03	1.62559+00	7.76426+00	9.38935+00	3.78595+01	3.68532+00	1.50922+00
2.0	5.473-03	1.60972+00	7.19102+00	8.80074+00	3.65826+01	3.88119+00	1.43689+00
2.2	6.032-03	1.62220+00	6.68473+00	8.30694+00	3.53332+01	4.08455+00	1.36850+00

T= 13000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	2.421-17	2.062-19	3.809-18	7.673-22	.000+00	1.373-33	1.751-33	1.281-13	3.855-15
-6.8	9.639-17	8.193-19	1.515-17	3.134-21	.000+00	1.369-32	1.749-32	3.222-13	9.675-15
-6.6	3.835-16	3.255-18	6.024-17	1.268-20	.000+00	1.366-31	1.746-31	8.095-13	2.428-14
-6.4	1.525-15	1.293-17	2.394-16	5.096-20	.000+00	1.362-30	1.742-30	2.033-12	6.090-14
-6.2	6.060-15	5.132-17	9.507-16	2.030-19	.000+00	1.356-29	1.736-29	5.102-12	1.527-13
-6.0	2.405-14	2.036-16	3.771-15	8.127-19	.000+00	1.348-28	1.726-28	1.279-11	3.823-13
-5.8	9.532-14	8.049-16	1.493-14	3.230-18	.000+00	1.336-27	1.713-27	3.204-11	9.559-13
-5.6	3.768-13	3.174-15	5.895-14	1.279-17	.000+00	1.318-26	1.692-26	8.010-11	2.384-12
-5.4	1.484-12	1.245-14	2.317-13	5.045-17	.000+00	1.291-25	1.660-25	1.998-10	5.924-12
-5.2	5.810-12	4.849-14	9.049-13	1.978-16	.000+00	1.251-24	1.613-24	4.963-10	1.463-11
-5.0	2.256-11	1.866-13	3.497-12	7.656-16	.000+00	1.192-23	1.543-23	1.226-09	3.582-11
-4.8	8.642-11	7.055-13	1.331-11	2.949-15	.000+00	1.108-22	1.444-22	2.999-09	8.652-11
-4.6	3.249-10	2.600-12	4.955-11	1.111-14	.000+00	9.925-22	1.306-21	7.245-09	2.049-10
-4.4	1.188-09	9.242-12	1.786-10	4.070-14	.000+00	8.643-21	1.127-20	1.717-08	4.719-10
-4.2	4.186-09	3.129-11	6.170-10	1.445-13	.000+00	6.898-20	9.123-20	3.965-08	1.047-09
-4.0	1.405-08	9.962-11	2.017-09	4.898-13	.000+00	4.861-19	6.799-19	8.849-08	2.217-09
-3.8	4.444-08	2.981-10	6.173-09	1.573-12	.000+00	3.176-18	4.589-18	1.838-07	4.443-09
-3.6	1.314-07	8.079-10	1.755-08	4.760-12	.000+00	1.868-17	2.775-17	3.863-07	8.392-09
-3.4	3.616-07	2.044-09	4.636-08	1.354-11	.000+00	9.554-17	1.496-16	7.480-07	1.494-08
-3.2	9.256-07	4.798-09	1.136-07	3.622-11	.000+00	4.612-16	7.216-16	1.374-06	2.517-08
-3.0	2.212-06	1.054-08	2.602-07	9.169-11	.000+00	1.839-15	3.138-15	2.398-06	4.037-08
-2.8	4.961-06	2.185-08	5.613-07	2.191-10	.000+00	7.014-15	1.245-14	3.992-06	6.211-08
-2.6	1.052-05	4.315-08	1.149-06	5.002-10	.000+00	2.479-14	4.558-14	6.367-06	9.229-08
-2.4	2.123-05	8.187-08	2.248-06	1.093-09	.000+00	8.226-14	1.560-13	9.780-06	1.333-07
-2.2	4.109-05	1.503-07	4.236-06	2.295-09	.000+00	2.590-13	5.043-13	1.454-05	1.879-07
-2.0	7.672-05	2.683-07	7.735-06	4.649-09	.000+00	7.812-13	1.555-12	2.102-05	2.598-07
-1.8	1.390-04	4.685-07	1.376-05	9.116-09	.000+00	2.275-12	4.613-12	2.969-05	3.536-07
-1.6	2.456-04	8.032-07	2.394-05	1.738-08	.000+00	6.437-12	1.325-11	4.112-05	4.752-07
-1.4	4.249-04	1.356-06	4.093-05	3.219-08	.000+00	1.779-11	3.707-11	5.602-05	6.319-07
-1.2	7.224-04	2.263-06	6.892-05	5.830-08	.000+00	4.824-11	1.015-10	7.531-05	8.335-07
-1.0	1.210-03	3.737-06	1.147-04	1.034-07	.000+00	1.288-10	2.728-10	1.001-04	1.092-06
-.8	2.003-03	6.122-06	1.888-04	1.800-07	.000+00	3.393-10	7.221-10	1.319-04	1.425-06
-.6	3.277-03	9.965-06	3.061-04	3.086-07	.000+00	8.843-10	1.886-09	1.723-04	1.852-06
-.4	5.305-03	1.613-05	4.987-04	5.218-07	.000+00	2.283-09	4.863-09	2.234-04	2.402-06
-.2	8.495-03	2.602-05	8.014-04	8.720-07	.000+00	5.839-09	1.238-08	2.875-04	3.113-06
.0	1.344-02	4.102-05	1.278-03	1.443-06	.000+00	1.480-08	3.107-08	3.668-04	4.037-06
.2	2.094-02	6.705-05	2.020-03	2.368-06	.000+00	3.717-08	7.666-08	4.630-04	5.245-06
.4	3.203-02	1.073-04	3.159-03	3.857-06	.000+00	9.231-08	1.851-07	5.765-04	6.839-06
.6	4.785-02	1.714-04	4.879-03	6.233-06	.000+00	2.263-07	4.354-07	7.057-04	8.960-06
.8	6.947-02	2.732-04	7.420-03	9.986-06	.000+00	5.464-07	9.909-07	8.463-04	1.182-05
1.0	9.756-02	4.341-04	1.108-02	1.581-05	.000+00	1.298-06	2.171-06	9.924-04	1.571-05
1.2	1.322-01	6.865-04	1.621-02	2.464-05	.000+00	3.035-06	4.559-06	1.139-03	2.112-05
1.4	1.726-01	1.078-03	2.318-02	3.751-05	.000+00	6.998-06	9.162-06	1.288-03	2.883-05
1.6	2.175-01	1.676-03	3.239-02	5.536-05	.000+00	1.602-05	1.762-05	1.455-03	4.032-05
1.8	2.652-01	2.570-03	4.420-02	7.861-05	.000+00	3.678-05	3.246-05	1.680-03	5.882-05
2.0	3.139-01	3.871-03	5.881-02	1.066-04	.000+00	8.604-05	5.731-05	2.073-03	9.276-05
2.2	3.616-01	5.652-03	7.587-02	1.371-04	.000+00	2.081-04	9.655-05	3.033-03	1.724-04

T= 13000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	3.916-30	2.105-13	7.261-18	1.068-13	3.907-01	1.050-03	1.052-01	6.732-06	2.245-03
-6.8	2.463-29	5.289-13	1.878-17	2.678-13	3.912-01	6.641-04	1.053-01	4.254-06	2.281-03
-6.6	1.550-28	1.328-12	4.759-17	6.715-13	3.915-01	4.198-04	1.053-01	2.688-06	2.304-03
-6.4	9.752-28	3.333-12	1.218-16	1.684-12	3.917-01	2.653-04	1.053-01	1.697-06	2.319-03
-6.2	6.131-27	8.361-12	3.079-16	4.222-12	3.918-01	1.676-04	1.052-01	1.072-06	2.328-03
-6.0	3.848-26	2.095-11	7.751-16	1.057-11	3.917-01	1.059-04	1.051-01	6.770-07	2.333-03
-5.8	2.410-25	5.243-11	1.947-15	2.645-11	3.916-01	6.696-05	1.050-01	4.276-07	2.336-03
-5.6	1.503-24	1.309-10	4.877-15	6.604-11	3.914-01	4.235-05	1.048-01	2.701-07	2.337-03
-5.4	9.320-24	3.259-10	1.218-14	1.643-10	3.910-01	2.681-05	1.045-01	1.707-07	2.336-03
-5.2	5.725-23	8.074-10	3.029-14	4.068-10	3.903-01	1.700-05	1.041-01	1.079-07	2.333-03
-5.0	3.467-22	1.985-09	7.490-14	9.992-10	3.893-01	1.079-05	1.033-01	6.822-08	2.327-03
-4.8	2.055-21	4.826-09	1.836-13	2.426-09	3.877-01	6.876-06	1.022-01	4.317-08	2.318-03
-4.6	1.181-20	1.154-08	4.444-13	5.790-09	3.852-01	4.397-06	1.006-01	2.733-08	2.304-03
-4.4	6.489-20	2.697-08	1.057-12	1.349-08	3.815-01	2.827-06	9.819-02	1.733-08	2.281-03
-4.2	3.360-19	6.109-08	2.455-12	3.041-08	3.760-01	1.831-06	9.686-02	1.100-08	2.249-03
-4.0	1.613-18	1.327-07	5.533-12	6.576-08	3.681-01	1.195-06	9.045-02	6.994-09	2.201-03
-3.8	7.086-18	2.748-07	1.202-11	1.353-07	3.572-01	7.876-07	8.493-02	4.459-09	2.136-03
-3.6	2.824-17	5.394-07	2.510-11	2.637-07	3.428-01	5.235-07	7.845-02	2.852-09	2.051-03
-3.4	1.020-16	1.002-06	5.023-11	4.859-07	3.248-01	3.506-07	7.126-02	1.831-09	1.943-03
-3.2	3.353-16	1.762-06	9.643-11	8.482-07	3.033-01	2.361-07	6.372-02	1.181-09	1.814-03
-3.0	1.014-15	2.948-06	1.779-10	1.409-06	2.788-01	1.594-07	5.617-02	7.646-10	1.668-03
-2.8	2.850-15	4.718-06	3.162-10	2.241-06	2.524-01	1.078-07	4.889-02	4.969-10	1.510-03
-2.6	7.537-15	7.263-06	5.429-10	3.431-06	2.249-01	7.276-08	4.205-02	3.238-10	1.346-03
-2.4	1.894-14	1.082-05	9.026-10	5.085-06	1.976-01	4.901-08	3.581-02	2.115-10	1.182-03
-2.2	4.563-14	1.566-05	1.456-09	7.333-06	1.712-01	3.291-08	3.022-02	1.383-10	1.025-03
-2.0	1.082-13	2.214-05	2.285-09	1.034-05	1.466-01	2.203-08	2.530-02	9.051-11	8.773-04
-1.8	2.406-13	3.070-05	3.492-09	1.430-05	1.241-01	1.470-08	2.103-02	5.929-11	7.431-04
-1.6	5.325-13	4.188-05	5.213-09	1.946-05	1.042-01	9.783-09	1.738-02	3.888-11	6.238-04
-1.4	1.158-12	5.637-05	7.612-09	2.616-05	8.671-02	6.500-09	1.430-02	2.552-11	5.196-04
-1.2	2.480-12	7.506-05	1.090-08	3.481-05	7.171-02	4.315-09	1.171-02	1.678-11	4.301-04
-1.0	5.251-12	9.907-05	1.534-08	4.595-05	5.900-02	2.885-09	9.566-03	1.106-11	3.544-04
-.8	1.102-11	1.298-04	2.127-08	6.027-05	4.833-02	1.904-09	7.798-03	7.315-12	2.910-04
-.6	2.297-11	1.692-04	2.911-08	7.868-05	3.945-02	1.268-09	6.349-03	4.859-12	2.384-04
-.4	4.762-11	2.194-04	3.943-08	1.024-04	3.211-02	8.472-10	5.168-03	3.246-12	1.951-04
-.2	9.843-11	2.833-04	5.297-08	1.330-04	2.607-02	5.682-10	4.211-03	2.183-12	1.599-04
.0	2.030-10	3.642-04	7.074-08	1.727-04	2.112-02	3.829-10	3.439-03	1.484-12	1.313-04
.2	4.181-10	4.662-04	9.410-08	2.243-04	1.706-02	2.596-10	2.819-03	1.020-12	1.083-04
.4	8.618-10	5.934-04	1.249-07	2.921-04	1.374-02	1.772-10	2.323-03	7.123-13	8.998-05
.6	1.779-09	7.505-04	1.657-07	3.817-04	1.103-02	1.219-10	1.927-03	5.067-13	7.547-05
.8	3.686-09	9.416-04	2.198-07	5.016-04	8.808-03	8.473-11	1.614-03	3.690-13	6.409-05
1.0	7.677-09	1.172-03	2.917-07	6.640-04	7.003-03	5.976-11	1.366-03	2.767-13	5.530-05
1.2	1.612-08	1.447-03	3.871-07	8.879-04	5.551-03	4.312-11	1.171-03	2.154-13	4.865-05
1.4	3.430-08	1.782-03	5.139-07	1.204-03	4.407-03	3.235-11	1.021-03	1.772-13	4.390-05
1.6	7.455-08	2.208-03	6.859-07	1.666-03	3.537-03	2.599-11	9.123-04	1.580-13	4.104-05
1.8	1.683-07	2.805-03	9.337-07	2.385-03	2.920-03	2.367-11	8.479-04	1.610-13	4.051-05
2.0	4.083-07	3.787-03	1.340-06	3.639-03	2.570-03	2.756-11	8.464-04	2.109-13	4.384-05
2.2	1.159-06	5.943-03	2.232-06	6.427-03	2.643-03	5.752-11	9.875-04	4.933-13	5.728-05

T= 15000

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	9.807-05	7.667-05	6.110-06	7.311-C6	6.931-05	3.210-05	3.980-07	2.372-09	2.152-07
-6.8	8.295-05	7.885-05	3.970-06	7.195-C6	1.099-04	5.083-05	6.402-07	3.862-09	3.352-07
-6.6	4.017-05	8.030-05	2.553-06	7.015-C6	1.741-04	8.049-05	1.024-06	6.227-09	5.175-07
-6.4	2.553-05	8.124-05	1.632-06	6.747-C6	2.755-04	1.275-04	1.632-06	9.977-09	7.802-07
-6.2	1.619-05	8.188-05	1.039-06	6.361-C6	4.369-04	2.017-04	2.594-06	1.592-08	1.177-06
-6.0	1.026-05	8.226-05	6.597-07	5.833-C6	6.915-04	3.191-04	4.116-06	2.532-08	1.708-06
-5.8	6.496-06	8.254-05	4.185-07	5.157-C6	1.094-03	5.043-04	6.521-06	4.020-08	2.389-06
-5.6	4.111-06	8.275-05	2.655-07	4.360-06	1.728-03	7.959-04	1.031-05	6.372-08	3.193-06
-5.4	2.604-06	8.293-05	1.686-07	3.507-C6	2.726-03	1.253-03	1.628-05	1.008-07	4.057-06
-5.2	1.651-06	8.313-05	1.073-07	2.685-C6	4.290-03	1.966-03	2.563-05	1.593-07	4.836-06
-5.0	1.049-06	8.337-05	6.855-08	1.968-C6	6.726-03	3.070-03	4.019-05	2.512-07	5.660-06
-4.8	6.684-07	8.370-05	4.402-08	1.394-C6	1.049-02	4.754-03	6.266-05	3.948-07	6.255-06
-4.6	4.275-07	8.418-05	2.850-08	9.661-C7	1.622-02	7.279-03	9.691-05	6.179-07	6.746-06
-4.4	2.749-07	8.487-05	1.865-08	6.628-C7	2.478-02	1.097-02	1.481-04	9.614-07	7.142-06
-4.2	1.780-07	8.583-05	1.239-08	4.552-C7	3.726-02	1.616-02	2.227-04	1.483-06	7.483-06
-4.0	1.162-07	8.710-05	8.308-09	3.159-C7	5.486-02	2.318-02	3.279-04	2.264-06	7.809-06
-3.8	7.658-08	8.869-05	5.799-09	2.231-C7	7.867-02	3.217-02	4.703-04	3.406-06	8.150-06
-3.6	5.091-08	9.053-05	4.099-09	1.610-C7	1.095-01	4.307-02	6.544-04	5.049-06	8.527-06
-3.4	3.409-08	9.245-05	2.959-09	1.189-C7	1.474-01	5.559-02	8.910-04	7.315-06	8.951-06
-3.2	2.296-08	9.422-05	2.175-09	8.980-C8	1.910-01	6.928-02	1.147-03	1.039-05	9.420-06
-3.0	1.551-08	9.551-05	1.620-09	6.911-C8	2.414-01	8.360-02	1.443-03	1.442-05	9.925-06
-2.8	1.048-08	9.602-05	1.216-09	5.400-C8	2.944-01	9.804-02	1.761-03	1.953-05	1.045-05
-2.6	7.077-09	9.565-05	9.155-10	4.269-C8	3.489-01	1.121-01	2.086-03	2.581-05	1.098-05
-2.4	4.767-09	9.359-05	6.884-10	3.401-C8	4.027-01	1.255-01	2.408-03	3.326-05	1.150-05
-2.2	3.202-09	9.037-05	5.151-10	2.725-C8	4.542-01	1.378-01	2.717-03	4.181-05	1.199-05
-2.0	2.143-09	8.584-05	3.825-10	2.190-C8	5.021-01	1.490-01	3.004-03	5.128-05	1.244-05
-1.8	1.431-09	8.015-05	2.814-10	1.763-08	5.455-01	1.589-01	3.264-03	6.142-05	1.285-05
-1.6	9.525-10	7.350-05	2.049-10	1.421-08	5.839-01	1.676-01	3.495-03	7.194-05	1.322-05
-1.4	6.333-10	6.645-05	1.477-10	1.146-C8	6.173-01	1.750-01	3.697-03	8.250-05	1.353-05
-1.2	4.208-10	5.910-05	1.055-10	9.242-C9	6.458-01	1.813-01	3.871-03	9.280-05	1.381-05
-1.0	2.798-10	5.184-05	7.466-11	7.458-C9	6.695-01	1.867-01	4.020-03	1.026-04	1.404-05
-.8	1.864-10	4.492-05	5.248-11	6.022-C9	6.890-01	1.911-01	4.146-03	1.116-04	1.425-05
-.6	1.246-10	3.851-05	3.671-11	4.868-C9	7.043-01	1.949-01	4.254-03	1.199-04	1.442-05
-.4	8.373-11	3.274-05	2.561-11	3.942-C9	7.157-01	1.981-01	4.348-03	1.272-04	1.459-05
-.2	5.669-11	2.765-05	1.787-11	3.200-C9	7.232-01	2.008-01	4.433-03	1.337-04	1.475-05
.0	3.873-11	2.325-05	1.250-11	2.609-C9	7.263-01	2.033-01	4.514-03	1.394-04	1.492-05
.2	2.682-11	1.951-05	8.798-12	2.138-C9	7.246-01	2.058-01	4.598-03	1.443-04	1.511-05
.4	1.889-11	1.637-05	6.253-12	1.764-C9	7.169-01	2.082-01	4.692-03	1.486-04	1.536-05
.6	1.359-11	1.375-05	4.503-12	1.470-C9	7.022-01	2.109-01	4.805-03	1.523-04	1.567-05
.8	1.006-11	1.158-05	3.299-12	1.238-C9	6.793-01	2.138-01	4.942-03	1.551-04	1.608-05
1.0	7.710-12	9.787-06	2.469-12	1.057-C9	6.475-01	2.169-01	5.111-03	1.567-04	1.659-05
1.2	6.189-12	8.278-06	1.899-12	9.158-10	6.069-01	2.198-01	5.314-03	1.562-04	1.723-05
1.4	5.293-12	7.019-06	1.518-12	8.080-10	5.584-01	2.219-01	5.551-03	1.526-04	1.797-05
1.6	4.973-12	5.981-06	1.291-12	7.300-10	5.035-01	2.225-01	5.817-03	1.450-04	1.882-05
1.8	5.442-12	5.178-06	1.228-12	6.834-10	4.444-01	2.205-01	6.108-03	1.325-04	1.975-05
2.0	7.838-12	4.698-06	1.465-12	6.814-10	3.829-01	2.149-01	6.417-03	1.136-04	2.075-05
2.2	2.093-11	4.891-06	3.069-12	7.848-10	3.206-01	2.033-01	6.729-03	9.553-05	2.180-05

T= 13000

LOG D	E-	I	E/RT	M/RT	S/R	LOG P	I*
-7.0	5.005-01	3.98581+00	3.98218+01	4.38076+01	1.28571+02	-4.72169+00	3.98616+00
-6.8	5.003-01	3.98378+00	3.97712+01	4.37550+01	1.26685+02	-4.57191+00	3.98423+00
-6.6	5.001-01	3.98221+00	3.97359+01	4.37181+01	1.24816+02	-4.42208+00	3.98278+00
-6.4	4.999-01	3.98079+00	3.97082+01	4.36890+01	1.22954+02	-4.27223+00	3.98150+00
-6.2	4.998-01	3.97924+00	3.96826+01	4.36618+01	1.21096+02	-3.92240+00	3.98013+00
-6.0	4.996-01	3.97725+00	3.96535+01	4.36308+01	1.19235+02	-3.72262+00	3.97837+00
-5.8	4.992-01	3.97444+00	3.96151+01	4.35895+01	1.17365+02	-3.57293+00	3.97585+00
-5.6	4.988-01	3.97029+00	3.95593+01	4.35296+01	1.15480+02	-3.37338+00	3.97205+00
-5.4	4.980-01	3.96399+00	3.94750+01	4.34390+01	1.13569+02	-3.12407+00	3.96620+00
-5.2	4.969-01	3.95437+00	3.93459+01	4.33003+01	1.11616+02	-2.92513+00	3.95714+00
-5.0	4.951-01	3.93974+00	3.91481+01	4.30878+01	1.09601+02	-2.72674+00	3.94318+00
-4.8	4.926-01	3.91766+00	3.88478+01	4.27655+01	1.07491+02	-2.52919+00	3.92193+00
-4.6	4.882-01	3.88492+00	3.83999+01	4.22848+01	1.05246+02	-2.33282+00	3.89016+00
-4.4	4.821-01	3.83759+00	3.77493+01	4.15869+01	1.02816+02	-2.13814+00	3.84395+00
-4.2	4.732-01	3.77157+00	3.68383+01	4.06095+01	1.00153+02	-1.94568+00	3.77916+00
-4.0	4.608-01	3.68368+00	3.56214+01	3.93051+01	9.72181+01	-1.75592+00	3.69255+00
-3.8	4.443-01	3.57297+00	3.40842+01	3.76571+01	9.40092+01	-1.56917+00	3.58307+00
-3.6	4.234-01	3.44176+00	3.22580+01	3.56997+01	9.05671+01	-1.38542+00	3.45295+00
-3.4	3.981-01	3.29560+00	3.02194+01	3.35150+01	8.69768+01	-1.20427+00	3.30765+00
-3.2	3.689-01	3.14207+00	2.80738+01	3.12159+01	8.33488+01	-1.02499+00	3.15667+00
-3.0	3.368-01	2.98899+00	2.59310+01	2.89200+01	7.97941+01	-8.46680-01	3.00183+00
-2.8	3.029-01	2.84305+00	2.38844+01	2.67275+01	7.64052+01	-6.68420-01	2.85584+00
-2.6	2.684-01	2.70892+00	2.20007+01	2.47096+01	7.32437+01	-4.89410-01	2.72143+00
-2.4	2.347-01	2.58928+00	2.03179+01	2.29072+01	7.03416+01	-3.09020-01	2.60130+00
-2.2	2.026-01	2.48507+00	1.88499+01	2.13349+01	6.77058+01	-1.26860-01	2.49647+00
-2.0	1.729-01	2.39596+00	1.75930+01	1.99889+01	6.53257+01	5.72800-02	2.40666+00
-1.8	1.460-01	2.32087+00	1.65325+01	1.88554+01	6.31797+01	2.43650-01	2.33082+00
-1.6	1.223-01	2.25826+00	1.56476+01	1.79058+01	6.12408+01	4.31570-01	2.26745+00
-1.4	1.017-01	2.20644+00	1.49148+01	1.71212+01	5.94805+01	6.21490-01	2.21487+00
-1.2	8.403-02	2.16369+00	1.43108+01	1.64745+01	5.78706+01	8.12990-01	2.17137+00
-1.0	6.912-02	2.12836+00	1.38133+01	1.59417+01	5.63851+01	1.00584+00	2.13529+00
-.8	5.666-02	2.09889+00	1.34013+01	1.55002+01	5.49999+01	1.19979+00	2.10505+00
-.6	4.634-02	2.07375+00	1.30552+01	1.51296+01	5.36932+01	1.39455+00	2.07911+00
-.4	3.785-02	2.05142+00	1.27561+01	1.48075+01	5.24443+01	1.58985+00	2.05589+00
-.2	3.091-02	2.03030+00	1.24848+01	1.45151+01	5.12332+01	1.78536+00	2.03370+00
.0	2.528-02	2.00861+00	1.22211+01	1.42297+01	5.00394+01	1.98069+00	2.01063+00
.2	2.072-02	1.98438+00	1.19431+01	1.39275+01	4.88420+01	2.17542+00	1.98452+00
.4	1.706-02	1.95555+00	1.16284+01	1.35839+01	4.76198+01	2.36907+00	1.95303+00
.6	1.413-02	1.92030+00	1.12557+01	1.31766+01	4.63545+01	2.56117+00	1.91393+00
.8	1.180-02	1.87766+00	1.08109+01	1.26885+01	4.50348+01	2.75141+00	1.86563+00
1.0	9.950-03	1.82814+00	1.02910+01	1.21191+01	4.36615+01	2.93981+00	1.80778+00
1.2	8.499-03	1.77417+00	9.70774+00	1.14819+01	4.22487+01	3.12679+00	1.74155+00
1.4	7.375-03	1.72004+00	9.08443+00	1.08045+01	4.08209+01	3.31333+00	1.66938+00
1.6	6.534-03	1.67144+00	8.44992+00	1.01214+01	3.94059+01	3.50089+00	1.59426+00
1.8	5.973-03	1.63518+00	7.83211+00	9.46729+00	3.80273+01	3.69136+00	1.51898+00
2.0	5.781-03	1.61893+00	7.25500+00	8.87393+00	3.67019+01	3.88702+00	1.44571+00
2.2	6.415-03	1.62994+00	6.74466+00	8.37461+00	3.54446+01	4.08997+00	1.37630+00

T= 1310C

LOG C	O2	C2	NO	CO	CO2	NO2	N2C	N2+	O2+
-7.0	1.822-17	1.623-19	2.946-18	5.791-22	.CCC+CO	9.375-34	1.173-33	1.086-13	3.338-15
-6.8	7.254-17	6.448-19	1.172-17	2.377-21	.CCC+CO	9.352-33	1.171-32	2.732-13	8.376-15
-6.6	2.887-16	2.562-18	4.659-17	9.665-21	.CCC+CO	9.329-32	1.169-31	6.655-13	2.101-14
-6.4	1.148-15	1.018-17	1.852-16	3.805-20	.CCC+CO	9.302-31	1.167-30	1.725-12	5.273-14
-6.2	4.563-15	4.039-17	7.355-16	1.556-19	.CCC+CO	9.266-30	1.163-29	4.329-12	1.322-13
-6.0	1.812-14	1.602-16	2.918-15	6.212-19	.CCC+CO	9.215-29	1.157-28	1.086-11	3.311-13
-5.8	7.183-14	6.340-16	1.156-14	2.471-18	.CCC+CO	9.140-28	1.149-27	2.720-11	8.283-13
-5.6	2.841-13	2.502-15	4.568-14	9.795-18	.CCC+CO	9.028-27	1.136-26	6.804-11	2.067-12
-5.4	1.120-12	9.831-15	1.797-13	3.867-17	.CCC+CO	8.859-26	1.116-25	1.698-10	5.142-12
-5.2	4.392-12	3.835-14	7.031-13	1.519-16	.CCC+CO	8.608-25	1.088-24	4.222-10	1.272-11
-5.0	1.709-11	1.480-13	2.725-12	5.914-16	.CCC+CO	8.238-24	1.045-23	1.044-09	3.121-11
-4.8	6.570-11	5.623-13	1.041-11	2.277-15	.CCC+CO	7.705-23	9.833-23	2.562-09	7.566-11
-4.6	2.482-10	2.088-12	3.898-11	8.619-15	.CCC+CO	6.989-22	8.975-22	6.210-09	1.801-10
-4.4	9.142-10	7.485-12	1.417-10	3.185-14	.CCC+CO	6.008-21	7.840-21	1.474-08	4.178-10
-4.2	3.252-09	2.565-11	4.949-10	1.139-13	.CCC+CO	4.851-20	6.449-20	3.438-08	9.358-10
-4.0	1.105-08	8.292-11	1.640-09	3.900-13	.CCC+CO	3.599-19	4.905-19	7.760-08	2.034-09
-3.8	3.545-08	2.459-10	5.059-09	1.206-12	.CCC+CO	2.412-18	3.392-18	1.674-07	4.070-09
-3.6	1.068-07	6.968-10	1.476-08	3.892-12	.CCC+CO	1.442-17	2.105-17	3.654-07	7.795-09
-3.4	2.961-07	1.795-09	3.982-08	1.122-11	.CCC+CO	7.659-17	1.165-16	6.771-07	1.606-08
-3.2	7.759-07	4.284-09	9.877-08	3.043-11	.CCC+CO	3.628-16	5.765-16	1.259-06	2.398-08
-3.0	1.883-06	9.546-09	2.297-07	7.780-11	.CCC+CO	1.547-15	2.565-15	2.224-06	3.839-08
-2.8	4.285-06	2.004-08	5.020-07	1.834-10	.CCC+CO	6.015-15	1.038-14	3.742-06	6.037-08
-2.6	9.194-06	4.000-08	1.039-06	4.343-10	.CCC+CO	2.161-14	3.870-14	6.026-06	9.039-08
-2.4	1.877-05	7.655-08	2.053-06	9.572-10	.CCC+CO	7.269-14	1.344-13	9.335-06	1.313-07
-2.2	3.666-05	1.415-07	3.902-06	2.026-09	.CCC+CO	2.315-13	4.399-13	1.398-05	1.861-07
-2.0	6.899-05	2.542-07	7.174-06	4.132-09	.CCC+CO	7.047-13	1.371-12	2.034-05	2.595-07
-1.8	1.258-04	4.459-07	1.283-05	8.152-09	.CCC+CO	2.068-12	4.100-12	2.989-05	3.532-07
-1.6	2.235-04	7.675-07	2.244-05	1.561-08	.CCC+CO	5.887-12	1.186-11	4.018-05	4.760-07
-1.4	3.886-04	1.300-06	3.850-05	2.907-08	.CCC+CO	1.635-11	3.337-11	5.496-05	6.346-07
-1.2	6.632-04	2.175-06	6.506-05	5.287-08	.CCC+CO	4.453-11	9.178-11	7.413-05	8.387-07
-1.0	1.115-03	3.599-06	1.085-04	9.410-08	.CCC+CO	1.193-10	2.477-10	9.883-05	1.101-06
-.8	1.849-03	5.907-06	1.790-04	1.644-07	.CCC+CO	3.151-10	6.578-10	1.305-04	1.438-06
-.6	3.033-03	9.627-06	2.927-04	2.825-07	.CCC+CO	8.232-10	1.723-09	1.709-04	1.871-06
-.4	4.921-03	1.561-05	4.747-04	4.787-07	.CCC+CO	2.129-09	4.454-09	2.220-04	2.430-06
-.2	7.898-03	2.518-05	7.640-04	8.015-07	.CCC+CO	5.457-09	1.137-08	2.864-04	3.152-06
.0	1.252-02	4.030-05	1.220-03	1.329-06	.CCC+CO	1.386-08	2.861-08	3.662-04	4.090-06
.2	1.957-02	6.497-05	1.931-03	2.183-06	.CCC+CO	3.467-08	7.081-08	4.636-04	5.317-06
.4	3.004-02	1.040-04	3.027-03	3.560-06	.CCC+CO	8.678-08	1.717-07	5.795-04	6.936-06
.6	4.507-02	1.661-04	4.684-03	5.760-06	.CCC+CO	2.133-07	4.055-07	7.125-04	9.092-06
.8	6.575-02	2.648-04	7.142-03	9.244-06	.CCC+CO	5.165-07	9.279-07	8.592-04	1.200-05
1.0	9.285-02	4.208-04	1.069-02	1.467-05	.CCC+CO	1.231-06	2.045-06	1.014-03	1.597-05
1.2	1.265-01	6.657-04	1.569-02	2.293-05	.CCC+CO	2.888-06	4.322-06	1.172-03	2.150-05
1.4	1.662-01	1.046-03	2.251-02	3.506-05	.CCC+CO	6.689-06	8.740-06	1.335-03	2.940-05
1.6	2.106-01	1.627-03	3.156-02	5.206-05	.CCC+CO	1.536-05	1.691-05	1.519-03	4.124-05
1.8	2.581-01	2.497-03	4.319-02	7.446-05	.CCC+CO	3.539-05	3.133-05	1.768-03	6.040-05
2.0	3.070-01	3.764-03	5.763-02	1.018-04	.CCC+CO	8.305-05	5.558-05	2.201-03	9.576-05
2.2	3.549-01	5.495-03	7.450-02	1.319-04	.CCC+CO	2.012-04	9.395-05	3.261-03	1.796-04

T= 1310C

LOG C	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	3.151-30	1.750-13	6.112-18	9.506-14	3.903-01	1.296-03	1.052-01	8.630-06	2.223-03
-6.8	1.991-29	4.397-13	1.535-17	2.383-13	3.910-01	8.202-04	1.052-01	5.425-06	2.267-03
-6.6	1.246-28	1.104-12	4.062-17	5.976-13	3.914-01	5.180-04	1.053-01	3.447-06	2.295-03
-6.4	7.841-28	2.772-12	1.033-16	1.499-12	3.916-01	3.278-04	1.053-01	2.177-06	2.313-03
-6.2	4.930-27	6.953-12	2.615-16	3.757-12	3.917-01	2.071-04	1.052-01	1.375-06	2.324-03
-6.0	3.096-26	1.743-11	6.591-16	9.413-12	3.917-01	1.309-04	1.052-01	8.684-07	2.331-03
-5.8	1.940-25	4.369-11	1.657-15	2.356-11	3.917-01	8.274-05	1.051-01	5.485-07	2.335-03
-5.6	1.211-24	1.090-10	4.154-15	5.884-11	3.915-01	5.233-05	1.049-01	3.465-07	2.337-03
-5.4	7.521-24	2.716-10	1.038-14	1.465-10	3.911-01	3.312-05	1.046-01	2.189-07	2.336-03
-5.2	4.631-23	6.736-10	2.585-14	3.632-10	3.905-01	2.099-05	1.042-01	1.384-07	2.334-03
-5.0	2.815-22	1.660-09	6.401-14	8.940-10	3.896-01	1.333-05	1.035-01	8.750-08	2.329-03
-4.8	1.678-21	4.047-09	1.573-13	2.177-09	3.881-01	8.483-06	1.025-01	5.537-08	2.321-03
-4.6	9.719-21	9.720-09	3.819-13	5.220-09	3.859-01	5.420-06	1.010-01	3.506-08	2.308-03
-4.4	5.403-20	2.285-08	9.124-13	1.224-08	3.825-01	3.481-06	9.881-02	2.222-08	2.289-03
-4.2	2.841-19	5.214-08	2.132-12	2.782-08	3.775-01	2.250-06	9.572-02	1.410-08	2.259-03
-4.0	1.390-18	1.145-07	4.839-12	6.078-08	3.702-01	1.467-06	9.157-02	8.964-09	2.215-03
-3.8	6.236-18	2.399-07	1.061-11	1.266-07	3.602-01	9.645-07	8.630-02	5.713-09	2.157-03
-3.6	2.542-17	4.769-07	2.234-11	2.499-07	3.465-01	6.400-07	8.002-02	3.652-09	2.077-03
-3.4	9.390-17	8.969-07	4.514-11	4.664-07	3.294-01	4.281-07	7.296-02	2.343-09	1.976-03
-3.2	3.153-16	1.597-06	8.744-11	8.242-07	3.086-01	2.881-07	6.547-02	1.510-09	1.853-03
-3.0	9.712-16	2.803-06	1.627-10	1.385-06	2.848-01	1.946-07	5.790-02	9.772-10	1.711-03
-2.8	2.774-15	4.869-06	2.914-10	2.223-06	2.588-01	1.316-07	5.053-02	6.348-10	1.556-03
-2.6	7.435-15	6.784-06	5.038-10	3.432-06	2.315-01	8.892-08	4.358-02	4.136-10	1.393-03
-2.4	1.889-14	1.018-05	8.429-10	5.124-06	2.041-01	5.997-08	3.720-02	2.702-10	1.228-03
-2.2	4.594-14	1.463-05	1.368-09	7.435-06	1.774-01	4.033-08	3.140-02	1.767-10	1.069-03
-2.0	1.078-13	2.108-05	2.157-09	1.053-05	1.523-01	2.704-08	2.639-02	1.158-10	9.181-04
-1.8	2.456-13	2.936-05	3.314-09	1.463-05	1.293-01	1.807-08	2.198-02	7.589-11	7.871-04
-1.6	5.463-13	4.020-05	4.968-09	2.000-05	1.088-01	1.205-08	1.820-02	4.980-11	6.569-04
-1.4	1.193-12	5.428-05	7.283-09	2.696-05	9.073-02	8.016-09	1.498-02	3.272-11	5.491-04
-1.2	2.564-12	7.247-05	1.047-08	3.597-05	7.517-02	5.330-09	1.229-02	2.153-11	4.546-04
-1.0	5.444-12	9.587-05	1.478-08	4.757-05	6.194-02	3.544-09	1.005-02	1.421-11	3.752-04
-.8	1.145-11	1.259-04	2.054-08	6.250-05	5.081-02	2.359-09	8.198-03	9.404-12	3.084-04
-.6	2.392-11	1.643-04	2.819-08	8.172-05	4.152-02	1.573-09	6.679-03	6.252-12	2.530-04
-.4	4.967-11	2.134-04	3.826-08	1.065-04	3.384-02	1.052-09	5.441-03	4.181-12	2.073-04
-.2	1.028-10	2.760-04	5.150-08	1.384-04	2.751-02	7.070-10	4.435-03	2.816-12	1.699-04
.0	2.122-10	3.554-04	6.889-08	1.799-04	2.231-02	4.774-10	3.623-03	1.915-12	1.396-04
.2	4.375-10	4.557-04	9.177-08	2.338-04	1.805-02	3.244-10	2.970-03	1.318-12	1.152-04
.4	9.024-10	5.813-04	1.220-07	3.046-04	1.457-02	2.220-10	2.448-03	9.212-13	9.572-05
.6	1.864-09	7.369-04	1.621-07	3.982-04	1.171-02	1.533-10	2.032-03	6.961-13	8.028-05
.8	3.865-09	9.274-04	2.155-07	5.233-04	9.379-03	1.070-10	1.701-03	4.767-13	6.818-05
1.0	8.053-09	1.158-03	2.869-07	6.928-04	7.481-03	7.585-11	1.441-03	3.599-13	5.883-05
1.2	1.692-08	1.436-03	3.824-07	9.263-04	5.952-03	5.509-11	1.236-03	2.815-13	5.179-05
1.4	3.602-08	1.777-03	5.108-07	1.256-03	4.746-03	4.165-11	1.080-03	2.325-13	4.678-05
1.6	7.837-08	2.214-03	6.874-07	1.738-03	3.827-03	3.378-11	9.669-04	2.087-13	4.382-05
1.8	1.772-07	2.829-03	9.449-07	2.491-03	3.176-03	3.113-11	9.015-04	2.149-13	4.337-05
2.0	4.311-07	3.845-03	1.374-06	3.809-03	2.814-03	3.688-11	9.040-04	2.858-13	4.715-05
2.2	1.231-06	6.098-03	2.327-06	6.773-03	2.925-03	7.987-11	1.064-03	6.921-13	6.215-05

T= 1310C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.187-04	7.557-05	7.192-06	7.340-C6	6.224-C5	2.888-05	3.511-07	2.145-09	1.844-07
-6.8	7.645-05	7.611-05	4.697-06	7.240-C6	9.869-C5	4.573-05	5.665-07	3.509-09	2.880-07
-6.6	4.889-05	7.981-05	3.032-C6	7.085-C6	1.564-04	7.242-05	9.082-07	5.676-09	4.462-07
-6.4	3.113-05	8.092-05	1.942-06	6.851-C6	2.478-C4	1.147-04	1.449-06	9.114-09	6.831-07
-6.2	1.976-05	8.165-05	1.238-06	6.509-C6	3.925-04	1.815-04	2.306-06	1.456-08	1.028-06
-6.0	1.252-05	8.213-05	7.867-07	6.032-C6	6.214-04	2.872-04	3.661-06	2.318-08	1.508-06
-5.8	7.931-06	8.245-05	4.994-07	5.406-C6	9.830-04	4.539-04	5.803-06	3.693-08	2.138-06
-5.6	5.022-06	8.268-05	3.169-07	4.646-C6	1.554-03	7.166-04	9.182-06	5.840-08	2.905-06
-5.4	3.181-06	8.288-05	2.012-07	3.804-C6	2.452-03	1.129-03	1.450-05	9.246-08	3.757-06
-5.2	2.017-06	8.307-05	1.286-07	2.962-C6	3.861-C3	1.773-03	2.285-05	1.461-07	4.614-06
-5.0	1.281-06	8.330-05	8.167-08	2.203-C6	6.059-C3	2.772-03	3.587-05	2.305-07	5.398-06
-4.8	8.155-07	8.360-05	5.238-08	1.578-C6	9.460-C3	4.302-03	5.601-05	3.626-07	6.060-06
-4.6	5.212-07	8.404-05	3.354-08	1.102-C6	1.466-C2	6.606-03	8.662-05	5.681-07	6.593-06
-4.4	3.348-07	8.467-05	2.209-08	7.585-C7	2.247-C2	9.993-03	1.331-04	8.852-07	7.021-06
-4.2	2.165-07	8.555-05	1.462-08	5.212-C7	3.393-C2	1.481-02	2.011-04	1.369-06	7.342-06
-4.0	1.412-07	8.673-05	9.850-09	3.609-C7	5.022-C2	2.139-02	2.977-04	2.094-06	7.715-06
-3.8	9.289-08	8.823-05	6.776-09	2.539-C7	7.240-02	2.991-02	4.249-04	3.161-06	8.055-06
-3.6	6.167-08	8.599-05	4.765-09	1.824-C7	1.016-01	4.038-02	6.029-04	4.695-06	8.426-06
-3.4	4.126-08	9.188-05	3.423-09	1.341-C7	1.378-01	5.256-02	8.165-04	6.647-06	8.861-06
-3.2	2.780-08	9.365-05	2.506-09	1.008-C7	1.808-01	6.602-02	1.076-03	9.[illegible]-06	9.301-06
-3.0	1.879-08	9.503-05	1.861-09	7.726-C8	2.293-01	8.023-02	1.364-03	1.[illegible]-05	9.739-06
-2.8	1.272-08	9.567-05	1.394-09	6.019-C8	2.817-01	9.467-02	1.677-03	1.853-05	1.032-05
-2.6	8.600-09	9.530-05	1.049-09	4.747-C8	3.359-01	1.089-01	2.001-03	2.461-05	1.095-05
-2.4	5.804-09	9.368-05	7.892-10	3.777-C8	3.900-01	1.224-01	2.325-03	3.186-05	1.138-05
-2.2	3.906-09	9.071-05	5.911-10	3.023-C8	4.422-01	1.350-01	2.638-03	4.024-05	1.187-05
-2.0	2.620-09	8.640-05	4.397-10	2.429-C8	4.910-01	1.465-01	2.930-03	4.957-05	1.234-05
-1.8	1.752-09	8.092-05	3.241-10	1.955-C8	5.355-01	1.567-01	3.198-03	5.962-05	1.276-05
-1.6	1.169-09	7.450-05	2.365-10	1.576-C8	5.751-01	1.656-01	3.437-03	7.010-05	1.313-05
-1.4	7.785-10	6.748-05	1.709-10	1.271-C8	6.096-01	1.733-01	3.646-03	8.069-05	1.346-05
-1.2	5.182-10	6.018-05	1.223-10	1.026-C8	6.392-01	1.799-01	3.827-03	9.105-05	1.374-05
-1.0	3.451-10	5.291-05	8.678-11	8.279-C9	6.640-01	1.854-01	3.982-03	1.009-04	1.399-05
-.8	2.302-10	4.594-05	6.114-11	6.687-C9	6.844-01	1.901-01	4.114-03	1.101-04	1.420-05
-.6	1.541-10	3.947-05	4.286-11	5.407-C9	7.006-01	1.940-01	4.227-03	1.185-04	1.438-05
-.4	1.037-10	3.361-05	2.997-11	4.379-C9	7.129-01	1.973-01	4.324-03	1.260-04	1.455-05
-.2	7.025-11	2.843-05	2.095-11	3.556-C9	7.212-01	2.002-01	4.412-03	1.326-04	1.471-05
.0	4.806-11	2.394-05	1.468-11	2.899-C9	7.252-01	2.027-01	4.495-03	1.384-04	1.488-05
.2	3.332-11	2.011-05	1.036-11	2.375-C9	7.244-01	2.051-01	4.579-03	1.435-04	1.508-05
.4	2.349-11	1.689-05	7.375-12	1.960-C9	7.178-01	2.076-01	4.672-03	1.479-04	1.531-05
.6	1.693-11	1.421-05	5.325-12	1.632-C9	7.043-01	2.102-01	4.782-03	1.517-04	1.562-05
.8	1.255-11	1.199-05	3.914-12	1.375-C9	6.828-01	2.131-01	4.916-03	1.547-04	1.601-05
1.0	9.639-12	1.015-05	2.943-12	1.174-C9	6.524-01	2.160-01	5.081-03	1.565-04	1.651-05
1.2	7.762-12	8.627-06	2.279-12	1.018-C9	6.130-01	2.188-01	5.280-03	1.565-04	1.713-05
1.4	6.670-12	7.357-06	1.839-12	8.989-10	5.655-01	2.209-01	5.513-03	1.535-04	1.786-05
1.6	6.309-12	6.317-06	1.583-12	8.137-10	5.114-01	2.216-01	5.777-03	1.466-04	1.870-05
1.8	6.988-12	5.523-06	1.530-12	7.640-10	4.525-01	2.198-01	6.066-03	1.349-04	1.962-05
2.0	1.019-11	5.072-06	1.866-12	7.654-10	3.908-01	2.142-01	6.374-03	1.186-04	2.062-05
2.2	2.817-11	5.371-06	4.081-12	8.900-10	3.279-01	2.027-01	6.686-03	9.879-05	2.167-05

T= 1310C

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	5.007-01	3.98693+C0	3.96014+01	4.35884+C1	1.28655+02	-4.71824+00	3.98729+00
-6.8	5.004-01	3.98454+C0	3.95408+01	4.35254+C1	1.28758+02	-4.51850+00	3.98498+00
-6.6	5.002-01	3.98276+C0	3.94954+01	4.34821+C1	1.28883+02	-4.31869+00	3.98332+00
-6.4	5.000-01	3.98124+C0	3.94684+01	4.34496+01	1.29018+02	-4.11888+00	3.98194+00
-6.2	4.998-01	3.97968+C0	3.94415+01	4.34212+01	1.29158+02	-3.91903+00	3.98056+00
-6.0	4.996-01	3.97778+C0	3.94130+01	4.33907+01	1.29297+02	-3.71923+00	3.97889+00
-5.8	4.993-01	3.97517+C0	3.93769+01	4.33521+01	1.29430+02	-3.51952+00	3.97656+00
-5.6	4.989-01	3.97136+C0	3.93260+01	4.32973+01	1.29549+02	-3.31994+00	3.97311+00
-5.4	4.982-01	3.96562+C0	3.92498+01	4.32154+01	1.29645+02	-3.12056+00	3.96781+00
-5.2	4.972-01	3.95688+C0	3.91335+01	4.30904+01	1.29704+02	-2.92152+00	3.95962+00
-5.0	4.956-01	3.94357+C0	3.89554+01	4.28585+01	1.29707+02	-2.72299+00	3.94699+00
-4.8	4.931-01	3.92345+C0	3.86843+01	4.26077+01	1.29624+02	-2.52521+00	3.92769+00
-4.6	4.893-01	3.89348+C0	3.82781+01	4.21716+01	1.29418+02	-2.32854+00	3.89870+00
-4.4	4.837-01	3.84988+C0	3.76840+01	4.15339+01	1.29040+02	-2.13343+00	3.85623+00
-4.2	4.755-01	3.78852+C0	3.68445+01	4.06330+01	1.28441+02	-1.94041+00	3.79613+00
-4.0	4.641-01	3.70589+00	3.57098+01	3.94157+01	9.75798+01	-1.74998+00	3.71483+00
-3.8	4.486-01	3.60041+00	3.42570+01	3.78574+01	9.44438+01	-1.56252+00	3.61066+00
-3.6	4.287-01	3.47361+00	3.25060+01	3.59796+01	9.10632+01	-1.37809+00	3.48504+00
-3.4	4.044-01	3.33035+00	3.05233+01	3.38536+01	8.75133+01	-1.19638+00	3.34274+00
-3.2	3.761-01	3.17788+00	2.84087+01	3.15866+01	8.39001+01	-1.01674+00	3.19092+00
-3.0	3.445-01	3.02410+00	2.62723+01	2.92964+01	8.03354+01	-8.38280-01	3.03747+00
-2.8	3.110-01	2.87606+00	2.42119+01	2.70888C+01	7.69169+01	-6.60080-01	2.88945+00
-2.6	2.766-01	2.73893+00	2.23002+01	2.50391+01	7.37128+01	-4.81290-01	2.75207+00
-2.4	2.426-01	2.61581+00	2.05813+01	2.31971+01	7.07616+01	-3.01270-01	2.62850+00
-2.2	2.100-01	2.50802+00	1.90740+01	2.15822C+01	6.80752+01	-1.19540-01	2.52010+00
-2.0	1.797-01	2.41549+00	1.77782+01	2.01937+01	6.56464+01	6.41300-02	2.42685+00
-1.8	1.522-01	2.33727+00	1.66814+01	1.90187+01	6.34558+01	2.49830-01	2.34786+00
-1.6	1.277-01	2.27190+00	1.57638+01	1.80357+01	6.14775+01	4.37510-01	2.28170+00
-1.4	1.064-01	2.21770+00	1.50028+01	1.72205+01	5.96831+01	6.27030-01	2.22671+00
-1.2	8.809-02	2.17297+00	1.43748+01	1.65478+01	5.80445+01	8.18180-01	2.18118+00
-1.0	7.256-02	2.13602+00	1.38574+01	1.59935+01	5.65352+01	1.01073+00	2.14345+00
-.8	5.955-02	2.10525+00	1.34295+01	1.55347+01	5.51309+01	1.20443+00	2.11189+00
-.6	4.875-02	2.07915+00	1.30711+01	1.51503+01	5.38092+01	1.39901+00	2.08494+00
-.4	3.985-02	2.05617+00	1.27633+01	1.48194+01	5.25493+01	1.59418+00	2.06104+00
-.2	3.257-02	2.03672+00	1.24868+01	1.45216+01	5.13309+01	1.78963+00	2.03849+00
.0	2.664-02	2.01305+00	1.22218+01	1.42349+01	5.01339+01	1.98498+00	2.01541+00
.2	2.185-02	1.98921+00	1.19467+01	1.39359+01	4.89371+01	2.17980+00	1.98967+00
.4	1.793-02	1.96114+00	1.16388+01	1.36000+01	4.77194+01	2.37363+00	1.95893+00
.6	1.490-02	1.92698+00	1.12768+01	1.32037+01	4.64618+01	2.56600+00	1.92088+00
.8	1.244-02	1.88559+00	1.08447+01	1.27303+01	4.51516+01	2.75657+00	1.87379+00
1.0	1.049-02	1.83727+00	1.03378+01	1.21751+01	4.37874+01	2.94530+00	1.81708+00
1.2	8.953-03	1.78422+00	9.76542+00	1.15496+01	4.23811+01	3.13257+00	1.75168+00
1.4	7.766-03	1.73055+00	9.19825+00	1.08798+01	4.09557+01	3.31931+00	1.67987+00
1.6	6.880-03	1.68194+00	8.51763+00	1.01996+01	3.95387+01	3.50693+00	1.60459+00
1.8	6.294-03	1.64521+00	7.89896+00	9.54417+00	3.81546+01	3.69735+00	1.52871+00
2.0	6.104-03	1.62810+00	7.31351+00	8.94601+00	3.68214+01	3.89281+00	1.45455+00
2.2	6.823-03	1.63764+00	6.80467+00	8.44231+00	3.55567+01	4.09534+00	1.38417+00

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.377-17	1.261-19	2.287-18	4.378-22	.CCC+CO	6.438-34	7.895-34	9.235-16	2.897-15
-6.8	5.483-17	5.089-19	9.096-18	1.806-21	.CCC+CO	6.421-33	7.886-33	2.324-13	7.269-15
-6.6	2.183-16	2.021-18	3.617-17	7.358-21	.CCC+CO	6.405-32	7.876-32	5.844-13	1.824-14
-6.4	8.682-16	8.029-18	1.438-16	2.971-20	.CCC+CO	6.388-31	7.868-31	1.468-12	4.576-14
-6.2	3.451-15	3.188-17	5.712-16	1.192-19	.CCC+CO	6.363-30	7.834-30	3.686-12	1.147-13
-6.0	1.371-14	1.269-16	2.267-15	4.764-19	.CCC+CO	6.431-29	7.799-29	9.247-12	2.875-13
-5.8	5.435-14	5.007-16	8.983-15	1.897-18	.CCC+CO	6.283-28	7.746-28	2.317-11	7.193-13
-5.6	2.151-13	1.977-15	3.552-14	7.526-18	.CCC+CO	6.212-27	7.667-27	5.799-11	1.796-12
-5.4	8.487-13	7.778-15	1.399-13	2.975-17	.CCC+CO	6.107-26	7.548-26	1.448-10	4.472-12
-5.2	3.333-12	3.040-14	5.481-13	1.170-16	.CCC+CO	5.949-25	7.379-25	3.605-10	1.108-11
-5.0	1.299-11	1.177-13	2.129-12	4.565-16	.CCC+CO	5.715-24	7.106-24	8.928-10	2.774-11
-4.8	5.011-11	4.488-13	8.166-12	1.763-15	.CCC+CO	5.377-23	6.723-23	2.195-09	6.674-11
-4.6	1.902-10	1.675-12	3.073-11	6.701-15	.CCC+CO	4.906-22	6.184-22	5.337-09	1.594-10
-4.4	7.050-10	6.661-12	1.126-10	2.491-14	.CCC+CO	4.241-21	5.463-21	1.277-08	3.699-10
-4.2	2.530-09	2.101-11	3.970-10	8.978-14	.CCC+CO	3.514-20	4.562-20	2.987-08	8.359-10
-4.0	8.692-09	6.890-11	1.333-09	3.107-13	.CCC+CO	2.662-19	3.537-19	6.778-08	1.810-09
-3.8	2.828-08	2.111-10	4.208-09	1.023-12	.CCC+00	1.828-18	2.503-18	1.480-07	3.723-09
-3.6	8.633-08	5.998-10	1.239-08	3.181-12	.CCC+00	1.122-17	1.543-17	3.049-07	7.227-09
-3.4	2.456-07	1.572-09	3.383-08	9.299-12	.CCC+CO	6.122-17	9.056-17	6.129-07	1.522-08
-3.2	6.499-07	3.615-09	8.574-08	2.555-11	.CCC+CO	2.975-16	4.594-16	1.154-06	2.792-08
-3.0	1.602-06	8.628-09	2.025-07	6.614-11	.CCC+CO	1.298-15	2.093-15	2.061-06	3.749-08
-2.8	3.698-06	1.834-08	4.485-07	.620-10	.CCC+CO	5.149-15	8.647-15	3.506-06	5.862-08
-2.6	8.040-06	3.701-08	9.394-07	3.771-10	.CCC+CO	1.861-14	3.281-14	5.703-06	8.845-08
-2.4	1.659-05	7.146-08	1.875-06	8.355-10	.CCC+CO	6.417-14	1.157-13	8.911-06	1.293-07
-2.2	3.271-05	1.331-07	3.593-06	1.789-09	.CCC+00	2.057-13	3.835-13	1.345-05	1.843-07
-2.0	6.205-05	2.405-07	6.652-06	3.674-09	.CCC+00	6.354-13	1.209-12	1.983-05	2.571-07
-1.8	1.139-04	4.240-07	1.197-05	7.292-09	.CCC+CO	1.879-12	3.644-12	2.812-05	3.526-07
-1.6	2.036-04	7.327-07	2.103-05	1.404-08	.CCC+00	5.384-12	1.062-11	3.930-05	4.766-07
-1.4	3.558-04	1.245-06	3.624-05	2.628-08	.CCC+00	1.503-11	3.005-11	5.397-05	6.371-07
-1.2	6.092-04	2.089-06	6.143-05	4.798-08	.CCC+CO	4.111-11	8.304-11	7.303-05	8.438-07
-1.0	1.027-03	3.465-06	1.027-04	8.571-08	.CCC+CO	1.105-10	2.250-10	9.764-05	1.110-06
-.8	1.709-03	5.696-06	1.699-04	1.502-07	.CCC+CO	2.928-10	5.996-10	1.292-04	1.452-06
-.6	2.810-03	9.298-06	2.783-04	2.588-07	.CCC+CO	7.668-10	1.579-09	1.674-04	1.891-06
-.4	4.569-03	1.509-05	4.521-04	4.395-07	.CCC+CO	1.987-09	4.083-09	2.204-04	2.458-06
-.2	7.350-03	2.437-05	7.288-04	7.373-07	.CCC+CO	5.103-09	1.045-08	2.855-04	3.192-06
.0	1.168-02	3.922-05	1.165-03	1.224-06	.CCC+CO	1.298-08	2.636-08	3.660-04	4.145-06
.2	1.831-02	6.294-05	1.848-03	2.014-06	.CCC+CO	3.273-08	6.545-08	4.647-04	5.391-06
.4	2.819-02	1.008-04	2.901-03	3.284-06	.CCC+CO	8.162-08	1.592-07	5.828-04	7.036-06
.6	4.246-02	1.610-04	4.500-03	5.329-06	.CCC+CO	2.011-07	3.779-07	7.197-04	9.227-06
.8	6.224-02	2.566-04	6.877-03	8.564-06	.CCC+00	4.883-07	8.689-07	8.724-04	1.218-05
1.0	8.837-02	4.073-04	1.033-02	1.367-05	.CCC+CO	1.168-06	1.926-06	1.036-03	1.623-05
1.2	1.211-01	6.454-04	1.519-02	2.135-05	.CCC+CC	2.749-06	4.096-06	1.206-03	2.184-05
1.4	1.600-01	1.014-03	2.187-02	3.278-05	.CCC+CC	6.387-06	8.335-06	1.384-03	2.999-05
1.6	2.039-01	1.579-03	3.075-02	4.895-05	.CCC+CC	1.473-05	1.622-05	1.586-03	4.219-05
1.8	2.512-01	2.425-03	4.221-02	7.049-05	.CCC+CO	3.406-05	3.022-05	1.861-03	6.203-05
2.0	3.001-01	3.659-03	5.647-02	9.714-05	.CCC+CO	8.017-05	5.387-05	2.337-03	9.885-05
2.2	3.483-01	5.339-03	7.313-02	1.268-04	.CCC+00	1.944-04	9.136-05	3.506-03	1.471-04

T= 1320C

LOG D	C2-	NO+	CC+	O-	N+	N++	O+	O++	A+
-7.0	2.543-30	1.457-13	5.131-18	8.478-14	3.899-01	1.594-03	1.052-01	1.102-05	2.198-03
-6.8	1.598-29	3.661-13	1.338-17	2.125-13	3.907-01	1.010-03	1.052-01	6.968-06	2.250-03
-6.6	1.005-28	9.196-13	3.442-17	5.327-13	3.912-01	6.386-04	1.052-01	4.404-06	2.284-03
-6.4	6.322-28	2.309-12	8.778-17	1.336-12	3.915-01	4.037-04	1.052-01	2.782-06	2.306-03
-6.2	3.975-27	5.793-12	2.225-16	3.349-12	3.917-01	2.552-04	1.052-01	1.757-06	2.320-03
-6.0	2.497-26	1.452-11	5.616-16	8.392-12	3.917-01	1.613-04	1.052-01	1.110-06	2.329-03
-5.8	1.565-25	3.637-11	1.413-15	2.101-11	3.917-01	1.019-04	1.051-01	7.010-07	2.334-03
-5.6	9.783-25	9.091-11	3.545-15	5.250-11	3.915-01	6.446-05	1.049-01	4.428-07	2.336-03
-5.4	6.084-24	2.267-10	8.867-15	1.308-10	3.912-01	4.079-05	1.047-01	2.798-07	2.336-03
-5.2	3.754-23	5.629-10	2.210-14	3.247-10	3.907-01	2.594-05	1.043-01	1.768-07	2.335-03
-5.0	2.290-22	1.389-09	5.480-14	8.007-10	3.898-01	1.640-05	1.037-01	1.118-07	2.331-03
-4.8	1.392-21	3.396-09	1.349-13	1.955-09	3.885-01	1.043-05	1.028-01	7.075-08	2.324-03
-4.6	8.005-21	8.190-09	3.286-13	4.707-09	3.865-01	6.661-06	1.014-01	4.480-08	2.312-03
-4.4	4.497-20	1.936-08	7.883-13	1.110-08	3.834-01	4.273-06	9.938-02	2.839-08	2.295-03
-4.2	2.397-19	4.451-08	1.852-12	2.543-08	3.788-01	2.759-06	9.651-02	1.801-09	2.268-03
-4.0	1.194-18	9.866-08	4.233-12	5.610-08	3.721-01	1.795-06	9.261-02	1.145-08	2.230-03
-3.8	5.469-18	2.091-07	9.355-12	1.182-07	3.627-01	1.178-06	8.759-02	7.293-09	2.175-03
-3.6	2.280-17	4.209-07	1.988-11	2.363-07	3.500-01	7.805-07	8.152-02	4.660-09	2.101-03
-3.4	8.612-17	8.016-07	4.054-11	4.467-07	3.337-01	5.213-07	7.462-02	2.988-09	2.006-03
-3.2	2.954-16	1.445-06	7.924-11	7.991-07	3.138-01	3.505-07	6.720-02	1.924-09	1.899-03
-3.0	9.271-16	2.473-06	1.487-10	1.357-06	2.906-01	2.367-07	5.962-02	1.245-09	1.752-03
-2.8	2.692-15	4.038-06	2.684-10	2.201-06	2.650-01	1.601-07	5.219-02	8.092-10	1.600-03
-2.6	7.314-15	6.326-06	4.673-10	3.428-06	2.380-01	1.083-07	4.513-02	5.266-10	1.439-03
-2.4	1.880-14	9.563-06	7.869-10	5.155-06	2.105-01	7.314-08	3.862-02	3.440-10	1.274-03
-2.2	4.615-14	1.402-05	1.284-09	7.528-06	1.836-01	4.926-08	3.273-02	2.251-10	1.113-03
-2.0	1.091-13	2.004-05	2.037-09	1.072-05	1.581-01	3.307-08	2.751-02	1.475-10	9.533-04
-1.8	2.502-13	2.804-05	3.144-09	1.496-05	1.346-01	2.214-08	2.295-02	9.677-11	8.176-04
-1.6	5.596-13	3.855-05	4.734-09	2.052-05	1.135-01	1.478-08	1.903-02	6.365-11	6.899-04
-1.4	1.227-12	5.223-05	6.969-09	2.776-05	9.494-02	9.853-09	1.569-02	4.179-11	5.773-04
-1.2	2.647-12	6.992-05	1.005-08	3.712-05	7.872-02	6.561-09	1.289-02	2.753-11	4.798-04
-1.0	5.637-12	9.271-05	1.424-08	4.921-05	6.496-02	4.369-09	1.055-02	1.814-11	3.956-04
-.8	1.189-11	1.220-04	1.985-08	6.437-05	5.336-02	2.912-09	8.612-03	1.204-11	3.265-04
-.6	2.487-11	1.595-04	2.730-08	8.481-05	4.367-02	1.945-09	7.022-03	8.016-12	2.681-04
-.4	5.175-11	2.075-04	3.714-08	1.106-04	3.563-02	1.305-09	5.723-03	5.365-12	2.199-04
-.2	1.072-10	2.687-04	5.008-08	1.440-04	2.900-02	8.769-10	4.668-03	3.614-12	1.804-04
.0	2.216-10	3.466-04	6.710-08	1.873-04	2.355-02	5.933-10	3.815-03	2.463-12	1.483-04
.2	4.574-10	4.451-04	8.952-08	2.436-04	1.908-02	4.040-10	3.128-03	1.697-12	1.224-04
.4	9.442-10	5.690-04	1.192-07	3.175-04	1.542-02	2.772-10	2.578-03	1.187-12	1.017-04
.6	1.952-09	7.230-04	1.586-07	4.152-04	1.242-02	1.920-10	2.140-03	8.464-13	8.531-05
.8	4.049-09	9.126-04	2.113-07	5.497-04	9.974-03	1.346-10	1.793-03	6.189-13	7.245-05
1.0	8.442-09	1.144-03	2.821-07	7.225-04	7.980-03	9.592-11	1.518-03	4.665-13	6.253-05
1.2	1.775-08	1.424-03	3.776-07	9.661-04	6.373-03	7.011-11	1.304-03	3.661-13	5.507-05
1.4	3.780-08	1.770-03	5.074-07	1.310-03	5.102-03	5.341-11	1.141-03	3.040-13	4.991-05
1.6	8.233-08	2.217-03	6.861-07	1.814-03	4.133-03	4.373-11	1.024-03	2.747-13	4.674-05
1.8	1.865-07	2.849-03	9.554-07	2.602-03	3.449-03	4.074-11	9.576-04	2.856-13	4.539-05
2.0	4.549-07	3.858-03	1.407-06	3.987-03	3.076-03	4.918-11	9.646-04	3.859-13	5.056-05
2.2	1.308-06	6.249-03	2.422-06	7.139-03	3.232-03	1.100-10	1.145-03	9.688-13	6.737-05

T= 1320C

LOG C	A++	C+	C++	NE+	N	C	A	C	NE
-7.0	1.429-04	7.431-05	8.424-06	7.363-C6	5.598-C5	2.602-05	3.097-07	1.937-09	1.243-07
-6.8	9.245-05	7.725-05	5.535-06	7.279-C6	8.877-C5	4.122-05	5.017-07	3.187-09	2.477-07
-6.6	5.929-05	7.924-05	3.587-06	7.145-C6	1.407-04	6.524-05	8.062-07	5.175-09	3.850-07
-6.4	3.791-05	8.055-05	2.303-06	6.941-C6	2.230-04	1.033-04	1.249-06	8.327-09	5.921-07
-6.2	2.403-05	8.141-05	1.471-06	6.639-C6	3.532-04	1.635-04	2.053-06	1.333-08	8.957-07
-6.0	1.524-05	8.197-05	9.357-07	6.211-C6	5.592-C4	2.585-04	3.262-06	2.125-08	1.329-06
-5.8	9.656-06	8.234-05	5.962-07	5.636-C6	8.848-04	4.081-04	5.172-06	3.377-08	1.957-06
-5.6	6.115-06	8.261-05	3.771-07	4.917-C6	1.359-03	6.461-04	8.189-06	5.358-08	2.632-06
-5.4	3.873-06	8.281-05	2.394-07	4.095-C6	2.208-03	1.018-03	1.294-05	8.488-08	3.463-06
-5.2	2.456-06	8.301-05	1.523-07	3.244-C6	3.479-03	1.601-03	2.040-05	1.342-07	4.324-06
-5.0	1.559-06	8.323-05	9.709-08	2.450-C6	5.465-03	2.505-03	3.206-05	2.114-07	5.144-06
-4.8	9.922-07	8.351-05	6.219-08	1.777-C6	8.543-03	3.895-03	5.013-05	3.334-07	5.851-06
-4.6	6.337-07	8.391-05	4.010-08	1.251-C6	1.326-02	5.998-03	7.787-05	5.223-07	6.429-06
-4.4	4.067-07	8.449-05	2.611-08	8.653-C7	2.039-02	9.108-03	1.197-04	8.157-07	6.832-06
-4.2	2.627-07	8.529-05	1.722-08	5.954-C7	3.090-02	1.357-02	1.814-04	1.263-06	7.275-06
-4.0	1.710-07	8.639-05	1.155-08	4.118-C7	4.596-02	1.971-02	2.703-04	1.934-06	7.619-06
-3.8	1.124-07	8.780-05	7.909-09	2.889-C7	6.675-02	2.778-02	3.928-04	2.934-06	7.961-06
-3.6	7.451-08	8.949-05	5.533-09	2.065-C7	9.421-02	3.702-02	5.530-04	4.373-06	8.327-06
-3.4	4.984-08	9.132-05	3.956-09	1.511-C7	1.288-01	4.963-02	7.597-04	6.400-06	8.733-06
-3.2	3.358-08	9.310-05	2.884-09	1.130-C7	1.702-01	6.284-02	1.006-03	9.172-06	9.185-06
-3.0	2.269-08	9.454-05	2.135-09	8.630-C8	2.176-01	7.692-02	1.287-03	1.285-05	9.677-06
-2.8	1.537-08	9.531-05	1.597-09	6.707-C8	2.692-01	9.134-02	1.595-03	1.753-05	1.020-05
-2.6	1.041-08	9.512-05	1.201-09	5.274-C8	3.231-01	1.055-01	1.917-03	2.345-05	1.073-05
-2.4	7.041-09	9.372-05	9.031-10	4.190-C8	3.774-01	1.193-01	2.242-03	3.051-05	1.125-05
-2.2	4.748-09	9.099-05	6.770-10	3.350-C8	4.301-01	1.322-01	2.559-03	3.871-05	1.176-05
-2.0	3.191-09	8.692-05	5.043-10	2.690-C8	4.798-01	1.439-01	2.857-03	4.749-05	1.223-05
-1.8	2.138-09	8.164-05	3.724-10	2.166-C8	5.253-01	1.544-01	3.131-03	5.786-05	1.266-05
-1.6	1.429-09	7.539-05	2.724-10	1.746-C8	5.661-01	1.636-01	3.377-03	6.824-05	1.305-05
-1.4	9.537-10	6.848-05	1.973-10	1.408-C8	6.018-01	1.716-01	3.594-03	7.888-05	1.339-05
-1.2	6.359-10	6.123-05	1.415-10	1.137-C8	6.325-01	1.784-01	3.782-03	8.931-05	1.368-05
-1.0	4.241-10	5.397-05	1.006-10	9.177-C9	6.583-01	1.842-01	3.944-03	9.924-05	1.393-05
-.8	2.833-10	4.697-05	7.106-11	7.414-C9	6.797-01	1.890-01	4.081-03	1.086-04	1.415-05
-.6	1.899-10	4.043-05	4.993-11	5.997-C9	6.968-01	1.931-01	4.199-03	1.171-04	1.434-05
-.4	1.279-10	3.449-05	3.498-11	4.858-C9	7.099-01	1.965-01	4.300-03	1.247-04	1.451-05
-.2	8.679-11	2.922-05	2.450-11	3.946-C9	7.190-01	1.995-01	4.391-03	1.315-04	1.468-05
.0	5.946-11	2.464-05	1.721-11	3.217-C9	7.239-01	2.021-01	4.475-03	1.374-04	1.485-05
.2	4.126-11	2.072-05	1.216-11	2.635-C9	7.240-01	2.045-01	4.560-03	1.426-04	1.504-05
.4	2.912-11	1.743-05	8.679-12	2.174-C9	7.185-01	2.070-01	4.652-03	1.471-04	1.527-05
.6	2.101-11	1.468-05	6.282-12	1.810-C9	7.062-01	2.095-01	4.760-03	1.510-04	1.556-05
.8	1.560-11	1.241-05	4.633-12	1.525-C9	6.860-01	2.123-01	4.891-03	1.542-04	1.594-05
1.0	1.201-11	1.053-05	3.499-12	1.302-C9	6.569-01	2.152-01	5.052-03	1.563-04	1.643-05
1.2	9.704-12	8.980-06	2.727-12	1.129-C9	6.189-01	2.179-01	5.247-03	1.566-04	1.703-05
1.4	8.377-12	7.699-06	2.220-12	9.985-10	5.724-01	2.200-01	5.476-03	1.543-04	1.775-05
1.6	7.976-12	6.659-06	1.936-12	9.056-10	5.190-01	2.207-01	5.737-03	1.481-04	1.858-05
1.8	8.893-12	5.878-06	1.899-12	8.528-10	4.604-01	2.190-01	6.025-03	1.372-04	1.950-05
2.0	1.321-11	5.462-06	2.370-12	8.582-10	3.986-01	2.136-01	6.332-03	1.215-04	2.050-05
2.2	3.784-11	5.885-06	5.412-12	1.008-C9	3.352-01	2.021-01	6.642-03	1.020-04	2.155-05

T= 1320C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.008-01	3.98827+00	3.93906+01	4.33789+01	1.28744+02	-4.71479+00	3.98862+00
-6.8	5.005-01	3.98543+00	3.93178+01	4.33032+01	1.26835+02	-4.51510+00	3.98587+00
-6.6	5.003-01	3.98338+00	3.92688+01	4.32522+01	1.24951+02	-4.31532+00	3.98343+00
-6.4	5.001-01	3.98172+00	3.92336+01	4.32153+01	1.23082+02	-4.11550+00	3.98242+00
-6.2	4.999-01	3.98013+00	3.92047+01	4.31848+01	1.21220+02	-3.91567+00	3.98100+00
-6.0	4.997-01	3.97829+00	3.91761+01	4.31544+01	1.19359+02	-3.71588+00	3.97939+00
-5.8	4.994-01	3.97584+00	3.91419+01	4.31177+01	1.17493+02	-3.51614+00	3.97722+00
-5.6	4.990-01	3.97233+00	3.90949+01	4.30673+01	1.15616+02	-3.31653+00	3.97406+00
-5.4	4.984-01	3.96708+00	3.90258+01	4.29929+01	1.13719+02	-3.11710+00	3.96925+00
-5.2	4.975-01	3.95912+00	3.89209+01	4.28800+01	1.11789+02	-2.91797+00	3.96184+00
-5.0	4.960-01	3.94700+00	3.87602+01	4.27072+01	1.09807+02	-2.71931+00	3.95033+00
-4.8	4.938-01	3.92864+00	3.85153+01	4.24439+01	1.07749+02	-2.52133+00	3.93285+00
-4.6	4.903-01	3.90121+00	3.81468+01	4.20480+01	1.05577+02	-2.32437+00	3.90660+00
-4.4	4.852-01	3.86106+00	3.76047+01	4.14657+01	1.03247+02	-2.12887+00	3.86739+00
-4.2	4.777-01	3.80410+00	3.68819+01	4.06860+01	1.00708+02	-1.93532+00	3.81172+00
-4.0	4.670-01	3.72656+00	3.57759+01	3.95025+01	9.79176+01	-1.74426+00	3.73556+00
-3.8	4.525-01	3.62631+00	3.44062+01	3.80325+01	9.48540+01	-1.55611+00	3.63659+00
-3.6	4.337-01	3.50410+00	3.27319+01	3.62360+01	9.15371+01	-1.37100+00	3.51575+00
-3.4	4.104-01	3.36409+00	3.08090+01	3.41731+01	8.80322+01	-1.18871+00	3.37680+00
-3.2	3.829-01	3.21308+00	2.87307+01	3.19438+01	8.44393+01	-1.00865+00	3.22654+00
-3.0	3.521-01	3.05899+00	2.66061+01	2.96851+01	8.08701+01	-8.29990-01	3.07289+00
-2.8	3.189-01	2.90917+00	2.45363+01	2.74655+01	7.74266+01	-6.51800-01	2.92316+00
-2.6	2.846-01	2.76924+00	2.26000+01	2.53692+01	7.41833+01	-4.73210-01	2.78303+00
-2.4	2.505-01	2.64278+00	2.08472+01	2.34900+01	7.11850+01	-2.93510-01	2.65614+00
-2.2	2.175-01	2.53146+00	1.93019+01	2.18334+01	6.84490+01	-1.12200- 1	2.54423+00
-2.0	1.867-01	2.43551+00	1.79679+01	2.04034+01	6.59719+01	7.10200-02	2.44755+00
-1.8	1.585-01	2.35412+00	1.68348+01	1.91890+01	6.37366+01	2.56260-01	2.36534+00
-1.6	1.333-01	2.28594+00	1.58845+01	1.81705+01	6.17184+01	4.43490-01	2.29639+00
-1.4	1.113-01	2.22933+00	1.50948+01	1.73241+01	5.98845+01	6.32600-01	2.23893+00
-1.2	9.225-02	2.18255+00	1.44424+01	1.66250+01	5.82216+01	8.23390-01	2.19132+00
-1.0	7.610-02	2.14391+00	1.39048+01	1.60487+01	5.66888+01	1.01544+00	2.15187+00
-.8	6.253-02	2.11181+00	1.34604+01	1.55722+01	5.52640+01	1.20908+00	2.11893+00
-.6	5.124-02	2.08468+00	1.30892+01	1.51735+01	5.39267+01	1.40347+00	2.09093+00
-.4	4.192-02	2.06100+00	1.27721+01	1.48331+01	5.26552+01	1.59951+00	2.06629+00
-.2	3.429-02	2.03916+00	1.24900+01	1.45291+01	5.14290+01	1.79388+00	2.04332+00
.0	2.806-02	2.01744+00	1.22230+01	1.42404+01	5.02280+01	1.98923+00	2.02017+00
.2	2.302-02	1.99392+00	1.19699+01	1.39638+01	4.90311+01	2.18413+00	1.99673+00
.4	1.896-02	1.96654+00	1.16880+01	1.36166+01	4.78172+01	2.37813+00	1.96665+00
.6	1.570-02	1.93340+00	1.12957+01	1.32291+01	4.65666+01	2.57075+00	1.9275 +00
.8	1.310-02	1.89323+00	1.08759+01	1.27691+01	4.52655+01	2.76163+00	1.88167+00
1.0	1.104-02	1.84611+00	1.03886+01	1.22279+01	4.39102+01	2.95068+00	1.82611+00
1.2	9.427-03	1.79400+00	9.82048+00	1.16145+01	4.25106+01	3.13825+00	1.76154+00
1.4	8.175-03	1.74086+00	9.21192+00	1.09528+01	4.10883+01	3.32519+00	1.69514+00
1.6	7.243-03	1.69230+00	8.58378+00	1.02761+01	3.96706+01	3.51290+00	1.61441+00
1.8	6.629-03	1.65517+00	7.96486+00	9.62002+00	3.82810+01	3.70327+00	1.53346+00
2.0	6.444-03	1.63725+00	7.38161+00	9.01886+00	3.69406+01	3.89954+00	1.46360+00
2.2	7.257-03	1.64528+00	6.86487+00	8.51015+00	3.56691+01	4.10067+00	1.39219+00

T= 1330C

LOG P	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.045-17	1.016-19	1.781-18	3.314-22	.000+00	4.445-36	5.345-34	7.864-14	2.529-15
-6.8	4.162-17	4.034-19	7.042-18	1.376-21	.000+00	4.432-33	5.340-33	1.981-13	6.322-15
-6.6	1.659-16	1.602-19	2.816-17	5.627-21	.000+00	4.420-32	5.332-32	4.996-13	1.586-14
-6.4	6.592-16	6.364-19	1.119-16	2.279-20	.000+00	4.403-31	5.321-31	1.252-12	3.940-14
-6.2	2.621-15	2.527-17	4.448-16	9.164-20	.000+00	4.392-30	5.306-30	3.164-12	9.980-14
-6.0	1.041-14	1.002-16	1.766-15	3.66 -19	.000+00	4.371-29	5.284-29	7.889-12	2.501-13
-5.8	4.130-14	3.971-16	7.000-15	1.4 ..-18	.000+00	4.341-28	5.251-28	1.978-11	6.260-13
-5.6	1.635-13	1.569-15	2.769-14	5.809-18	.000+00	4.296-27	5.202-27	4.951-11	1.564-12
-5.4	6.457-13	6.179-15	1.092-13	2.296-17	.000+00	4.229-26	5.128-26	1.237-10	3.897-12
-5.2	2.539-12	2.419-14	4.283-13	9.039-17	.000+00	4.129-25	5.019-25	3.031-10	9.666-12
-5.0	9.915-12	9.386-14	1.667-12	3.534-16	.000+00	3.981-24	4.854-24	7.541-10	2.381-11
-4.8	3.834-11	3.593-13	6.418-12	1.369-15	.000+00	3.765-23	4.614-23	1.882-09	5.807-11
-4.6	1.461-10	1.343-12	2.426-11	5.223-15	.000+00	3.462-22	4.275-22	4.536-09	1.395-10
-4.4	5.449-10	4.918-12	8.947-11	1.952-14	.000+00	3.055-21	3.815-21	1.103-08	3.276-10
-4.2	1.971-09	1.723-11	3.185-10	7.089-14	.000+00	2.546-20	3.231-20	2.594-08	7.445-10
-4.0	6.846-09	5.727-11	1.082-09	2.478-13	.000+00	1.947-19	2.551-19	5.930-08	1.633-09
-3.8	2.257-08	1.781-10	3.447-09	8.253-13	.000+00	1.362-18	1.845-18	1.337-07	3.400-09
-3.6	6.993-08	5.112-10	1.037-08	2.599-12	.000+00	8.709-18	1.204-17	2.756-07	6.689-09
-3.4	2.022-07	1.375-09	2.882-08	7.703-12	.000+00	4.890-17	7.019-17	5.536-07	1.240-08
-3.2	5.438-07	3.304-09	7.425-08	2.145-11	.000+00	2.432-16	3.652-16	1.055-06	2.167-08
-3.0	1.362-06	7.794-09	1.781-07	5.621-11	.000+00	1.096-15	1.703-15	1.937-06	3.593-08
-2.8	3.188-06	1.679-08	3.999-07	1.392-10	.000+00	4.396-15	7.187-15	3.279-06	5.684-08
-2.6	7.023-06	3.425-08	8.476-07	3.274-10	.000+00	1.635-14	2.777-14	5.346-06	8.646-08
-2.4	1.465-05	6.673-08	1.709-06	7.346-10	.000+00	5.657-14	9.945-14	8.490-06	1.273-07
-2.2	2.918-05	1.252-07	3.304-06	1.579-09	.000+00	1.944-13	3.340-13	1.291-05	1.824-07
-2.0	5.581-05	2.277-07	6.161-06	3.267-09	.000+00	5.725-13	1.063-12	1.903-05	2.556-07
-1.8	1.032-04	4.035-07	1.115-05	6.526-09	.000+00	1.707-12	3.238-12	2.733-05	3.518-07
-1.6	1.854-04	7.003-07	1.970-05	1.263-08	.000+00	4.923-12	9.503-12	3.838-05	4.772-07
-1.4	3.254-04	1.194-06	3.408-05	2.378-08	.000+00	1.382-11	2.706-11	5.292-05	6.395-07
-1.2	5.599-04	2.009-06	5.796-05	4.357-08	.000+00	3.796-11	7.516-11	7.186-05	8.449-07
-1.0	9.474-04	3.340-06	9.722-05	7.812-08	.000+00	1.024-10	2.045-10	9.635-05	1.118-06
-.8	1.581-03	5.501-06	1.612-04	1.373-07	.000+00	2.722-10	5.469-10	1.279-04	1.445-06
-.6	2.605-03	8.992-06	2.645-04	2.373-07	.000+00	7.145-10	1.441-09	1.682-04	1.912-06
-.4	4.246-03	1.461-05	4.305-04	4.039-07	.000+00	1.886-09	3.745-09	2.195-04	2.487-06
-.2	6.844-03	2.362-05	6.949-04	6.789-07	.000+00	4.774-09	9.607-09	2.843-04	3.232-06
.0	1.090-02	3.804-05	1.113-03	1.129-06	.000+00	1.217-08	2.431-08	3.654-04	4.209-06
.2	1.713-02	6.107-05	1.767-03	1.860-06	.000+00	3.073-08	6.052-08	4.651-04	5.447-06
.4	2.666-02	9.780-05	2.780-03	3.041-06	.000+00	7.681-08	1.478-07	5.854-04	7.138-06
.6	4.002-02	1.563-04	4.320-03	4.935-06	.000+00	1.897-07	3.521-07	7.259-04	9.366-06
.8	5.893-02	2.492-04	6.617-03	7.940-06	.000+00	4.619-07	8.137-07	8.844-04	1.238-05
1.0	8.411-02	3.960-04	9.963-03	1.265-05	.000+00	1.108-06	1.814-06	1.056-03	1.650-05
1.2	1.159-01	6.268-04	1.470-02	1.989-05	.000+00	2.617-06	3.880-06	1.238-03	2.227-05
1.4	1.540-01	9.854-04	2.123-02	3.066-05	.000+00	6.103-06	7.946-06	1.431-03	3.059-05
1.6	1.974-01	1.535-03	2.994-02	4.602-05	.000+00	1.413-05	1.556-05	1.652-03	4.316-05
1.8	2.444-01	2.360-03	4.122-02	6.671-05	.000+00	3.278-05	2.914-05	1.853-03	6.369-05
2.0	2.933-01	3.563-03	5.529-02	9.261-05	.000+00	7.740-05	5.219-05	2.475-03	1.020-04
2.2	3.418-01	5.195-03	7.171-02	1.217-04	.000+00	1.878-04	8.861-05	3.764-03	1.949-04

T= 1330C

LOG P	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.058-30	1.217-13	4.307-18	7.575-14	3.894-01	1.954-03	1.051-01	1.402-05	2.109-03
-6.8	1.293-29	3.060-13	1.130-17	1.898-13	3.904-01	1.239-03	1.052-01	8.868-06	2.231-03
-6.6	8.128-29	7.688-13	2.920-17	4.757-13	3.910-01	7.839-04	1.052-01	5.606-06	2.272-03
-6.4	5.112-28	1.930-12	7.468-17	1.193-12	3.914-01	4.957-04	1.052-01	3.542-06	2.298-03
-6.2	3.214-27	4.844-12	1.897-16	2.990-12	3.916-01	3.133-04	1.052-01	2.237-06	2.315-03
-6.0	2.019-26	1.215-11	4.794-16	7.494-12	3.917-01	1.980-04	1.052-01	1.413-06	2.325-03
-5.8	1.267-25	3.043-11	1.207-15	1.876-11	3.917-01	1.252-04	1.051-01	8.926-07	2.332-03
-5.6	7.922-25	7.610-11	3.031-15	4.691-11	3.915-01	7.916-05	1.050-01	5.639-07	2.335-03
-5.4	4.933-24	1.899-10	7.589-15	1.170-10	3.913-01	5.009-05	1.044-01	3.563-07	2.336-03
-5.2	3.049-23	4.720-10	1.893-14	2.906-10	3.908-01	3.173-05	1.044-01	2.252-07	2.335-03
-5.0	1.866-22	1.167-09	4.701-14	7.179-10	3.901-01	2.013-05	1.039-01	1.424-07	2.332-03
-4.8	1.123-21	2.859-09	1.159-13	1.758-09	3.889-01	1.280-05	1.030-01	9.009-08	2.326-03
-4.6	6.596-21	6.919-09	2.831-13	4.246-09	3.870-01	8.164-06	1.018-01	5.704-08	2.316-03
-4.4	3.741-20	1.644-08	6.817-13	1.006-08	3.842-01	5.232-06	9.990-02	3.614-08	2.300-03
-4.2	2.021-19	3.825-08	1.610-12	2.322-08	3.800-01	3.373-06	9.724-02	2.293-08	2.277-03
-4.0	1.023-18	8.511-08	3.704-12	5.171-08	3.738-01	2.191-06	9.358-02	1.457-08	2.242-03
-3.8	4.781-18	1.823-07	8.249-12	1.102-07	3.651-01	1.436-06	8.881-02	9.278-09	2.192-03
-3.6	2.037-17	3.714-07	1.769-11	2.229-07	3.532-01	9.493-07	8.297-02	5.925-09	2.124-03
-3.4	7.867-17	7.164-07	3.640-11	4.268-07	3.377-01	6.333-07	7.623-02	3.798-09	2.035-03
-3.2	2.756-16	1.309-06	7.178-11	7.729-07	3.186-01	4.254-07	6.890-02	2.444-09	1.923-03
-3.0	8.616-16	2.263-06	1.358-10	1.328-06	2.962-01	2.872-07	6.133-02	1.580-09	1.792-03
-2.8	2.603-15	3.734-06	2.471-10	2.175-06	2.711-01	1.943-07	5.384-02	1.025-09	1.643-03
-2.6	7.174-15	5.902-06	4.333-10	3.417-06	2.443-01	1.315-07	4.669-02	6.640-10	1.484-03
-2.4	1.866-14	8.990-06	7.344-10	5.176-06	2.168-01	8.893-08	4.004-02	4.364-10	1.320-03
-2.2	4.625-14	1.327-05	1.206-09	7.610-06	1.897-01	5.998-08	3.401-02	2.857-10	1.157-03
-2.0	1.102-13	1.908-05	1.923-09	1.090-05	1.639-01	4.033-08	2.864-02	1.873-10	1.001-03
-1.8	2.545-13	2.682-05	2.982-09	1.528-05	1.399-01	2.704-08	2.394-02	1.230-10	8.556-04
-1.6	5.723-13	3.701-05	4.511-09	2.103-05	1.182-01	1.808-08	1.988-02	8.081-11	7.239-04
-1.4	1.260-12	5.031-05	6.668-09	2.854-05	9.902-02	1.207-08	1.642-02	5.318-11	6.073-04
-1.2	2.729-12	6.754-05	9.652-09	3.828-05	8.235-02	8.050-09	1.350-02	3.505-11	5.057-04
-1.0	5.830-12	8.979-05	1.371-08	5.084-05	6.806-02	5.368-09	1.108-02	2.318-11	4.188-04
-.8	1.232-11	1.184-04	1.917-08	6.707-05	5.599-02	3.583-09	9.039-03	1.537-11	3.453-04
-.6	2.584-11	1.550-04	2.644-08	8.795-05	4.588-02	2.397-09	7.376-03	1.024-11	2.839-04
-.4	5.365-11	2.020-04	3.605-08	1.149-04	3.747-02	1.608-09	6.016-03	6.960-12	2.331-04
-.2	1.117-10	2.620-04	4.871-08	1.497-04	3.053-02	1.084-09	4.910-03	4.681-12	1.914-04
.0	2.312-10	3.395-04	6.537-08	1.948-04	2.483-02	7.348-10	4.014-03	3.156-12	1.574-04
.2	4.778-10	4.354-04	8.735-08	2.537-04	2.014-02	5.014-10	3.292-03	2.177-12	1.300-04
.4	9.871-10	5.576-04	1.165-07	3.308-04	1.631-02	3.450-10	2.714-03	1.525-12	1.080-04
.6	2.042-09	7.103-04	1.552-07	4.327-04	1.316-02	2.397-10	2.253-03	1.089-12	9.058-05
.8	4.239-09	8.991-04	2.072-07	5.689-04	1.059-02	1.687-10	1.888-03	7.973-13	7.692-05
1.0	8.843-09	1.131-03	2.774-07	7.533-04	8.501-03	1.209-10	1.600-03	6.025-13	6.639-05
1.2	1.860-08	1.414-03	3.727-07	1.007-03	6.813-03	8.888-11	1.375-03	4.745-13	5.850-05
1.4	3.964-08	1.765-03	5.036-07	1.366-03	5.477-03	6.823-11	1.204-03	3.959-13	5.297-05
1.6	8.647-08	2.222-03	6.862-07	1.893-03	4.457-03	5.638-11	1.083-03	3.603-13	4.979-05
1.8	1.952-07	2.871-03	9.647-07	2.717-03	3.739-03	5.323-11	1.016-03	3.783-13	4.955-05
2.0	4.799-07	3.955-03	1.437-06	4.175-03	3.356-03	6.535-11	1.029-03	5.193-13	5.433-05
2.2	1.390-06	6.412-03	2.517-06	7.528-03	3.568-03	1.531-10	1.233-03	1.355-12	7.297-05

T= 1350C

LOG C	A++	C+	C++	NE+	N	C	A	C	NE
-7.0	1.712-04	7.288-05	9.815-06	7.382-C6	5.C42-C5	2.348-05	2.732-07	1.747-09	1.362-07
-6.8	1.113-04	7.627-05	6.494-06	7.311-C6	7.597-C5	3.717-05	4.444-07	2.893-09	2.134-07
-6.6	7.163-05	7.853-05	4.228-06	7.196-C6	1.268-04	5.886-05	7.163-07	4.718-09	3.374-07
-6.4	4.578-05	8.012-05	2.723-06	7.019-C6	2.CC9-04	9.320-05	1.147-06	7.616-09	5.133-07
-6.2	2.913-05	8.113-05	1.742-06	6.753-C6	3.183-04	1.475-04	1.830-06	1.221-08	7.820-07
-6.0	1.849-05	8.179-05	1.110-06	6.370-C6	5.C40-04	2.335-04	2.910-06	1.949-08	1.168-06
-5.8	1.172-05	8.222-05	7.052-07	5.846-C6	7.976-04	3.692-04	4.617-06	3.100-08	1.696-06
-5.6	7.425-06	8.252-05	4.477-07	5.173-C6	1.261-03	5.833-04	7.314-06	4.922-08	2.374-06
-5.4	4.703-06	8.275-05	2.843-07	4.382-C6	1.992-03	9.194-04	1.156-05	7.799-08	3.176-06
-5.2	2.982-06	8.295-05	1.807-07	3.529-C6	3.140-03	1.447-03	1.824-05	1.234-07	4.039-06
-5.0	1.893-06	8.316-05	1.152-07	2.708-C6	4.935-03	2.267-03	2.869-05	1.949-07	4.881-06
-4.8	1.204-06	8.343-05	7.368-08	1.999-C6	7.724-03	3.530-03	4.493-05	3.068-07	5.630-06
-4.6	7.684-07	8.380-05	4.743-08	1.414-C6	1.201-C2	5.449-03	6.991-05	4.816-07	6.202-06
-4.4	4.927-07	8.432-05	3.081-08	9.838-C7	1.851-C2	8.304-03	1.078-04	7.523-07	6.753-06
-4.2	3.178-07	8.506-05	2.026-08	6.785-C7	2.816-C2	1.243-02	1.641-04	1.167-06	7.163-06
-4.0	2.066-07	8.608-05	1.354-08	4.690-C7	4.208-C2	1.817-02	2.454-04	1.796-06	7.521-06
-3.8	1.356-07	8.740-05	9.222-09	3.280-C7	6.146-C2	2.579-02	3.588-04	2.724-06	7.866-06
-3.6	8.979-08	8.901-05	6.420-09	2.336-C7	8.732-C2	3.539-02	5.107-04	4.075-06	8.229-06
-3.4	6.000-08	9.079-05	4.568-09	1.701-C7	1.203-01	4.682-02	7.045-04	5.986-06	8.628-06
-3.2	4.039-08	9.256-05	3.316-09	1.267-C7	1.602-C1	5.975-02	9.403-04	8.616-06	9.072-06
-3.0	2.732-08	9.405-05	2.447-09	9.832-C8	2.C63-01	7.367-02	1.213-03	1.213-05	9.556-06
-2.8	1.853-08	9.494-05	1.826-09	7.456-C8	2.570-01	8.805-02	1.515-03	1.667-05	1.007-05
-2.6	1.257-08	9.491-05	1.372-09	5.853-C8	3.1C6-01	1.074-01	1.835-03	2.234-05	1.060-05
-2.4	8.513-C9	9.373-05	1.032-09	4.642-C8	3.849-01	1.163-01	2.160-03	2.921-05	1.113-05
-2.2	5.751-C9	9.123-05	7.739-10	3.708-C8	4.181-01	1.293-01	2.479-03	3.722-05	1.164-05
-2.0	3.874-09	8.740-05	5.772-10	2.976-C8	4.685-01	1.413-01	2.783-03	4.627-05	1.212-05
-1.8	2.601-09	8.233-05	4.270-10	2.395-C8	5.15C-01	1.520-01	3.063-03	5.612-05	1.256-05
-1.6	1.742-09	7.624-05	3.130-10	1.931-C8	5.569-01	1.616-01	3.317-03	6.650-05	1.296-05
-1.4	1.164-09	6.944-05	2.272-10	1.558-C8	5.937-01	1.698-01	3.541-03	7.709-05	1.331-05
-1.2	7.777-1C	6.226-05	1.633-10	1.258-C8	6.255-01	1.769-01	3.736-03	8.757-05	1.361-05
-1.0	5.195-1C	5.501-05	1.164-1C	1.016-C8	6.525-01	1.829-01	3.904-03	9.763-05	1.388-05
-.8	3.476-1C	4.798-05	8.240-11	8.209-C9	6.748-01	1.879-01	4.048-03	1.071-04	1.410-05
-.6	2.333-1C	4.139-05	5.8C2-11	6.641-C9	6.928-01	1.922-01	4.170-03	1.157-04	1.430-05
-.4	1.574-1C	3.537-05	4.073-11	5.382-C9	7.C68-01	1.957-01	4.275-03	1.235-04	1.448-05
-.2	1.069-1C	3.001-05	2.859-11	4.372-C9	7.167-01	1.988-01	4.369-03	1.304-04	1.464-05
.0	7.332-11	2.536-05	2.012-11	3.564-C9	7.224-01	2.015-01	4.455-03	1.366-04	1.481-05
.2	5.C93-11	2.134-05	1.425-11	2.920-C9	7.234-01	2.039-01	4.541-03	1.417-04	1.500-05
.4	3.599-11	1.796-05	1.019-11	2.4C9-C9	7.189-01	2.064-01	4.633-03	1.464-04	1.522-05
.6	2.601-11	1.515-05	7.394-12	2.C06-C9	7.078-01	2.089-01	4.739-03	1.504-04	1.551-05
.8	1.934-11	1.282-05	5.470-12	1.689-C9	6.889-01	2.116-01	4.867-03	1.537-04	1.588-05
1.0	1.492-11	1.091-05	4.150-12	1.442-C9	6.612-01	2.144-01	5.024-03	1.560-04	1.635-05
1.2	1.209-11	9.337-06	3.253-12	1.251-C9	6.244-01	2.171-01	5.215-03	1.567-04	1.694-05
1.4	1.C49-11	8.045-06	2.670-12	1.1C7-C9	5.791-01	2.191-01	5.440-03	1.549-04	1.764-05
1.6	1.C05-11	7.008-06	2.353-12	1.006-C9	5.264-01	2.198-01	5.698-03	1.496-04	1.846-05
1.8	1.121-11	6.242-06	2.347-12	9.503-10	4.681-01	2.182-01	5.984-03	1.392-04	1.938-05
2.0	1.707-11	5.870-06	2.997-12	9.609-10	4.C63-01	2.129-01	6.290-03	1.242-04	2.038-05
2.2	5.C82-11	6.435-06	7.166-12	1.141-C9	3.423-01	2.014-01	6.598-03	1.050-04	2.143-05

T= 1350C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.C10-01	3.98988+C0	3.91902+01	4.318CC+C1	1.28840+02	-4.71134+00	3.99022+00
-6.8	5.C06-01	3.98648+C0	3.91027+01	4.30892+01	1.26916+02	-4.51170+00	3.98692+00
-6.6	5.C03-01	3.98410+00	3.90446+01	4.30287+01	1.25023+02	-4.31196+00	3.98465+00
-6.4	5.001-01	3.98226+C0	3.90040+01	4.29862+01	1.23148+02	-4.11216+00	3.98295+00
-6.2	4.999-01	3.98C60+C0	3.89723+01	4.29529+01	1.21283+02	-3.91235+00	3.98146+00
-6.0	4.997-01	3.97878+C0	3.89430+01	4.29218+01	1.19421+02	-3.71254+00	3.97987+00
-5.8	4.995-01	3.97647+C0	3.89099+01	4.28864+01	1.17556+C2	-3.51280+00	3.97783+00
-5.6	4.991-01	3.97321+C0	3.88663+01	4.28395+01	1.15682+02	-3.31315+00	3.97492+00
-5.4	4.986-01	3.96840+00	3.88033+01	4.27717+01	1.13790+02	-3.11368+00	3.97055+00
-5.2	4.977-01	3.96113+00	3.87083+01	4.26694+01	1.11869+02	-2.91448+00	3.96382+00
-5.0	4.964-01	3.95C07+00	3.85631+01	4.25132+01	1.09902+02	-2.71569+00	3.95343+00
-4.8	4.944-01	3.93331+00	3.83416+01	4.22749+01	1.07865+02	-2.51754+00	3.93749+00
-4.6	4.912-01	3.90818+00	3.80073+01	4.19155+01	1.05725+02	-2.32032+00	3.91334+00
-4.4	4.855-01	3.87122+C0	3.75127+01	4.13839+01	1.03438+02	-2.12445+00	3.87754+00
-4.2	4.796-01	3.81839+00	3.68020+01	4.06204+01	1.00956+02	-1.93041+00	3.82601+00
-4.0	4.698-01	3.74575+C0	3.58209+01	3.95667+01	9.82329+01	-1.73876+00	3.75479+00
-3.8	4.562-01	3.65068+00	3.45325+01	3.81832+01	9.52405+01	-1.54992+00	3.66117+00
-3.6	4.384-01	3.53322+00	3.29357+01	3.64689+01	9.19888+01	-1.36412+00	3.54507+00
-3.4	4.161-01	3.39674+C0	3.10759+01	3.44726+01	8.85327+01	-1.18123+00	3.40976+00
-3.2	3.896-01	3.24760+C0	2.90388+01	3.22864+01	8.49654+01	-1.00073+00	3.26149+00
-3.0	3.594-01	3.09360+00	2.69310+01	3.C0246+01	8.13976+01	-8.21830-01	3.10802+00
-2.8	3.267-01	2.94230+00	2.48566+01	2.77989+01	7.79333+01	-6.43610-01	2.95689+00
-2.6	2.926-01	2.79980+C0	2.28992+01	2.5699C+01	7.46542+01	-4.65170-01	2.81426+00
-2.4	2.593-01	2.67013+C0	2.11149+01	2.37851+01	7.16111+01	-2.85760-01	2.68419+00
-2.2	2.250-01	2.55536+00	1.95332+01	2.20885+01	6.88268+01	-1.04840-01	2.56883+00
-2.0	1.936-01	2.45599+00	1.81615+01	2.C6175+01	6.63019+01	7.79300-02	2.46874+00
-1.8	1.648-01	2.37142+00	1.69925+01	1.93639+01	6.4C220+C1	2.6271C-01	2.38336+00
-1.6	1.389-01	2.3C040+00	1.60094+01	1.83C98+01	6.19637+01	4.49510-01	2.31149+00
-1.4	1.162-01	2.24130+00	1.51907+01	1.7432C+01	6.CC997+01	6.38210-01	2.25153+00
-1.2	9.651-02	2.19243+00	1.45136+01	1.6706C+01	5.84020+01	8.28630-01	2.20179+00
-1.0	7.973-02	2.152C6+C0	1.39551+01	1.61C72+01	5.68436+01	1.02056+00	2.16056+00
-.8	6.560-02	2.11856+00	1.34938+01	1.5612+01	5.53992+01	1.21375+00	2.12620+00
-.6	5.381-02	2.09036+C0	1.31094+01	1.51998+01	5.4C458+01	1.40793+00	2.09709+00
-.4	4.407-02	2.C6592+C0	1.27826+01	1.48485+01	5.27621+01	1.60282+00	2.07165+00
-.2	3.607-02	2.04363+C0	1.24942+01	1.45378+01	5.15275+01	1.79811+00	2.04821+00
.0	2.954-02	2.02180+C0	1.22246+01	1.42464+01	5.032.8+01	1.99344+00	2.02492+00
.2	2.424-02	1.99853+00	1.19527+01	1.39512+01	4.91241+01	2.18842+00	1.99970+00
.4	1.997-02	1.97177+00	1.16561+01	1.36279+01	4.79132+01	2.38256+00	1.97022+00
.6	1.654-02	1.93959+C0	1.13128+01	1.3252+01	4.66690+01	2.57541+00	1.93408+00
.8	1.380-02	1.90059+C0	1.09047+01	1.28C53+01	4.53764+01	2.76659+00	1.88931+00
1.0	1.163-02	1.85467+00	1.04231+01	1.22778+01	4.4C299+01	2.95597+00	1.83489+00
1.2	9.922-03	1.80355+00	9.87303+00	1.1676E+01	4.26374+01	3.14383+00	1.77126+00
1.4	8.603-03	1.75100+C0	9.27253+00	1.10235+01	4.12185+01	3.33099+00	1.70035+00
1.6	7.622-03	1.70255+00	8.64846+C0	1.0351C+01	3.97595+01	3.51881+00	1.62496+00
1.8	6.982-03	1.6650R+00	8.02989+C0	9.69697+C0	3.84641+01	3.70914+00	1.56508+00
2.0	6.803-03	1.66638+C0	7.44441+00	9.C9C79+C0	3.7C59C+01	3.90423+00	1.47229+00
2.2	7.724-03	1.65287+C0	6.92541+C0	8.57826+C0	3.57816+01	4.10594+00	1.40012+00

T= 1340C

LOG C	N2	C2	NO	CO	CO2	NO2	N2C	N2+	O2+
-7.0	7.951-18	8.084-20	1.393-19	2.512-22	.CCC+CO	3.086-34	3.640-34	6.715-14	2.195-15
-6.8	3.169-17	3.208-19	5.541-18	1.050-21	.CCC+CO	3.076-33	3.636-33	1.692-13	5.506-15
-6.6	1.262-16	1.274-18	2.203-17	4.319-21	.CCC+CO	3.067-32	3.631-32	4.258-13	1.381-14
-6.4	5.022-16	5.058-18	8.759-17	1.753-20	.CCC+CO	3.058-31	3.624-31	1.070-12	3.466-14
-6.2	1.997-15	2.008-17	3.481-16	7.063-20	.CCC+CO	3.048-30	3.615-30	2.689-12	8.692-14
-6.0	7.934-15	7.969-17	1.382-15	2.830-19	.CCC+CO	3.034-29	3.601-29	6.748-12	2.179-13
-5.8	3.140-14	3.158-16	5.460-15	1.129-18	.CCC+CO	3.015-28	3.580-28	1.692-11	5.455-13
-5.6	1.247-13	1.249-15	2.169-14	4.490-18	.CCC+CO	2.986-27	3.549-27	4.237-11	1.363-12
-5.4	4.928-13	4.921-15	8.559-14	1.778-17	.CCC+CO	2.943-26	3.503-26	1.059-10	3.399-12
-5.2	1.940-12	1.929-14	3.362-13	7.009-17	.CCC+CO	2.880-25	3.436-25	2.640-10	8.442-12
-5.0	7.588-12	7.502-14	1.311-12	2.765-16	.CCC+CO	2.785-24	3.331-24	6.555-10	2.083-11
-4.8	2.962-11	2.882-13	5.060-12	1.064-15	.CCC+CO	2.647-23	3.181-23	1.617-09	5.094-11
-4.6	1.125-10	1.067-12	1.922-11	4.081-15	.CCC+CO	2.451-22	2.956-22	3.954-09	1.228-10
-4.4	4.218-10	3.992-12	7.132-11	1.533-14	.CCC+CO	2.185-21	2.671-21	9.535-09	2.901-10
-4.2	1.537-09	1.412-11	2.561-10	5.607-14	.CCC+CO	1.847-20	2.292-20	2.255-08	6.659-10
-4.0	5.392-09	4.756-11	8.800-10	1.977-13	.CCC+CO	1.453-19	1.840-19	5.191-08	1.471-09
-3.8	1.800-08	1.503-10	2.859-09	6.660-13	.CCC+CO	1.044-18	1.359-18	1.154-07	3.099-09
-3.6	5.658-08	4.418-10	8.689-09	2.124-12	.CCC+CO	6.745-18	9.079-18	2.461-07	6.176-09
-3.4	1.662-07	1.200-09	2.454-08	6.379-12	.CCC+CO	3.880-17	5.430-17	4.997-07	1.160-08
-3.2	4.342-07	3.012-09	6.429-08	1.800-11	.CCC+CO	1.984-16	2.897-16	9.632-07	2.053-08
-3.0	1.155-06	7.024-09	1.566-07	4.776-11	.CCC+CO	9.068-16	1.383-15	1.762-06	3.442-08
-2.8	2.745-06	1.533-08	3.565-07	1.197-10	.CCC+CO	3.747-15	5.967-15	3.063-06	5.500-08
-2.6	6.125-06	3.163-08	7.550-07	2.843-10	.CCC+CO	1.418-14	2.347-14	5.081-06	8.435-08
-2.4	1.293-05	6.222-08	1.559-06	6.437-10	.CCC+CO	4.981-14	8.539-14	8.082-06	1.250-07
-2.2	2.600-05	1.176-07	3.040-06	1.395-09	.CCC+CO	1.644-13	2.907-13	1.239-05	1.802-07
-2.0	5.015-05	2.153-07	5.711-06	2.907-09	.CCC+CO	5.156-13	9.358-13	1.834-05	2.537-07
-1.8	9.339-05	3.836-07	1.040-05	5.843-09	.CCC+CO	1.550-12	2.876-12	2.655-05	3.506-07
-1.6	1.668-04	6.687-07	1.847-05	1.137-08	.CCC+CO	4.501-12	8.505-12	3.747-05	4.771-07
-1.4	2.977-04	1.145-06	3.209-05	2.150-08	.CCC+CO	1.271-11	2.437-11	5.188-05	6.411-07
-1.2	5.144-04	1.931-06	5.477-05	3.959-08	.CCC+CO	3.506-11	6.805-11	7.070-05	8.530-07
-1.0	8.734-04	3.217-06	9.213-05	7.125-08	.CCC+CO	9.494-11	1.859-10	9.509-05	1.126-06
-.8	1.462-03	5.310-06	1.531-04	1.257-07	.CCC+CO	2.531-10	4.990-10	1.265-04	1.478-06
-.6	2.415-03	8.693-06	2.518-04	2.177-07	.CCC+CO	6.662-10	1.319-09	1.668-04	1.930-06
-.4	3.945-03	1.414-05	4.105-04	3.715-07	.CCC+CO	1.734-09	3.437-09	2.181-04	2.514-06
-.2	6.373-03	2.288-05	6.637-04	6.256-07	.CCC+CO	4.469-09	8.839-09	2.832-04	3.270-06
.0	1.018-02	3.688-05	1.065-03	1.042-06	.CCC+CO	1.141-08	2.242-08	3.647-04	4.253-06
.2	1.603-02	5.924-05	1.693-03	1.720-06	.CCC+CO	2.888-08	5.599-08	4.656-04	5.539-06
.4	2.484-02	9.489-05	2.667-03	2.814-06	.CCC+CO	7.231-08	1.377-07	5.878-04	7.236-06
.6	3.769-02	1.517-04	4.153-03	4.572-06	.CCC+CO	1.796-07	3.282-07	7.319-04	9.499-06
.8	5.576-02	2.418-04	6.377-03	7.368-06	.CCC+CO	4.370-07	7.621-07	8.960-04	1.256-05
1.0	7.999-02	3.844-04	9.626-03	1.176-05	.CCC+CO	1.052-06	1.708-06	1.076-03	1.676-05
1.2	1.109-01	6.085-04	1.425-02	1.853-05	.CCC+CO	2.492-06	3.677-06	1.270-03	2.265-05
1.4	1.481-01	9.569-04	2.063-02	2.868-05	.CCC+CO	5.832-06	7.575-06	1.478-03	3.117-05
1.6	1.909-01	1.491-03	2.919-02	4.326-05	.CCC+CO	1.355-05	1.492-05	1.720-03	4.409-05
1.8	2.376-01	2.294-03	4.030-02	6.310-05	.CCC+CO	3.155-05	2.810-05	2.049-03	6.529-05
2.0	2.866-01	3.465-03	5.420-02	8.822-05	.CCC+CO	7.470-05	5.057-05	2.619-03	1.051-04
2.2	3.351-01	5.048-03	7.039-02	1.167-04	.CCC+CO	1.814-04	8.631-05	4.038-03	2.027-04

T= 1340C

LOG D	C2-	NC+	CC+	O-	N+	N++	O+	O++	A+
-7.0	1.672-30	1.019-13	3.613-18	6.701-14	3.888-01	2.387-03	1.051-01	1.776-05	2.135-03
-6.8	1.049-29	2.563-13	9.549-18	1.698-13	3.900-01	1.515-03	1.052-01	1.124-05	2.208-03
-6.6	6.593-29	6.439-13	2.480-17	4.255-13	3.908-01	9.591-04	1.052-01	7.109-06	2.257-03
-6.4	4.146-28	1.617-12	6.363-17	1.067-12	3.912-01	6.067-04	1.052-01	4.493-06	2.288-03
-6.2	2.607-27	4.059-12	1.620-16	2.675-12	3.915-01	3.836-04	1.052-01	2.838-06	2.309-03
-6.0	1.638-26	1.018-11	4.099-16	6.703-12	3.917-01	2.425-04	1.052-01	1.793-06	2.322-03
-5.8	1.028-25	2.550-11	1.033-15	1.679-11	3.917-01	1.533-04	1.051-01	1.133-06	2.329-03
-5.6	6.433-25	6.381-11	2.597-15	4.198-11	3.916-01	9.692-05	1.050-01	7.155-07	2.334-03
-5.4	4.010-24	1.593-10	6.507-15	1.048-10	3.913-01	6.132-05	1.048-01	4.521-07	2.336-03
-5.2	2.484-23	3.964-10	1.625-14	2.605-10	3.909-01	3.883-05	1.045-01	2.857-07	2.335-03
-5.0	1.523-22	9.811-10	4.039-14	6.444-10	3.903-01	2.463-05	1.040-01	1.807-07	2.333-03
-4.8	9.206-22	2.410-09	9.979-14	1.581-09	3.892-01	1.565-05	1.032-01	1.143-07	2.328-03
-4.6	5.441-21	5.850-09	2.443-13	3.833-09	3.875-01	9.978-06	1.021-01	7.236-08	2.319-03
-4.4	3.113-20	1.396-08	5.903-13	9.129-09	3.850-01	6.388-06	1.004-01	4.585-08	2.305-03
-4.2	1.702-19	3.253-08	1.400-12	2.120-08	3.811-01	4.113-06	9.791-02	2.908-08	2.284-03
-4.0	8.752-19	7.337-08	3.242-12	4.763-08	3.754-01	2.667-06	9.449-02	1.848-08	2.253-03
-3.8	4.168-18	1.588-07	7.275-12	1.025-07	3.673-01	1.745-06	8.996-02	1.176-08	2.207-03
-3.6	1.914-17	3.273-07	1.573-11	2.099-07	3.562-01	1.152-06	8.435-02	7.509-09	2.144-03
-3.4	7.160-17	6.391-07	3.266-11	4.070-07	3.415-01	7.672-07	7.779-02	4.810-09	2.061-03
-3.2	2.562-16	1.181-06	6.499-11	7.461-07	3.233-01	5.148-07	7.056-02	3.093-09	1.956-03
-3.0	8.359-16	2.067-06	1.240-10	1.297-06	3.015-01	3.474-07	6.301-02	1.998-09	1.829-03
-2.8	2.510-15	3.446-06	2.274-10	2.146-06	2.770-01	2.351-07	5.549-02	1.297-09	1.685-03
-2.6	7.017-15	5.497-06	4.017-10	3.401-06	2.505-01	1.593-07	4.825-02	8.445-10	1.528-03
-2.4	1.847-14	8.439-06	6.853-10	5.193-06	2.231-01	1.078-07	4.148-02	5.517-10	1.366-03
-2.2	4.676-14	1.254-05	1.132-09	7.682-06	1.959-01	7.279-08	3.531-02	3.613-10	1.201-03
-2.0	1.112-13	1.813-05	1.815-09	1.106-05	1.697-01	4.902-08	2.980-02	2.370-10	1.042-03
-1.8	2.584-13	2.561-05	2.829-09	1.558-05	1.452-01	3.292-08	2.495-02	1.557-10	8.939-04
-1.6	5.843-13	3.550-05	4.298-09	2.154-05	1.230-01	2.205-08	2.075-02	1.024-10	7.585-04
-1.4	1.293-12	4.842-05	6.379-09	2.933-05	1.033-01	1.474-08	1.716-02	6.744-11	6.378-04
-1.2	2.810-12	6.519-05	9.268-09	3.944-05	8.605-02	9.846-09	1.413-02	4.450-11	5.323-04
-1.0	6.022-12	8.686-05	1.321-08	5.251-05	7.124-02	6.575-09	1.159-02	2.944-11	4.416-04
-.8	1.276-11	1.148-04	1.853-08	6.939-05	5.869-02	4.395-09	9.481-03	1.954-11	3.646-04
-.6	2.682-11	1.506-04	2.561-08	9.115-05	4.845-02	2.944-09	7.743-03	1.303-11	3.002-04
-.4	5.599-11	1.965-04	3.500-08	1.192-04	3.938-02	1.979-09	6.319-03	8.741-12	2.467-04
-.2	1.164-10	2.553-04	4.738-08	1.555-04	3.212-02	1.336-09	5.160-03	5.906-12	2.027-04
.0	2.411-10	3.303-04	6.370-08	2.026-04	2.615-02	9.072-10	4.220-03	4.029-12	1.668-04
.2	4.986-10	4.257-04	8.524-08	2.639-04	2.125-02	6.204-10	3.463-03	2.782-12	1.378-04
.4	1.031-09	5.462-04	1.138-07	3.444-04	1.723-02	4.279-10	2.855-03	1.951-12	1.146-04
.6	2.135-09	6.973-04	1.519-07	4.507-04	1.393-02	2.983-10	2.370-03	1.395-12	9.608-05
.8	4.434-09	8.850-04	2.032-07	5.927-04	1.124-02	2.108-10	1.986-03	1.023-12	8.159-05
1.0	9.257-09	1.116-03	2.727-07	7.850-04	9.065-03	1.517-10	1.684-03	7.752-13	7.043-05
1.2	1.949-08	1.401-03	3.678-07	1.050-03	7.274-03	1.123-10	1.449-03	6.127-13	6.209-05
1.4	4.158-08	1.758-03	4.995-07	1.424-03	5.871-03	8.683-11	1.270-03	5.137-13	5.626-05
1.6	9.075-08	2.223-03	6.874-07	1.974-03	4.800-03	7.242-11	1.145-03	4.706-13	5.298-05
1.8	2.062-07	2.889-03	9.735-07	2.837-03	4.048-03	6.921-11	1.077-03	4.990-13	5.246-05
2.0	5.060-07	4.008-03	1.466-06	4.370-03	3.657-03	8.654-11	1.095-03	6.963-13	5.821-05
2.2	1.476-06	6.571-03	2.611-06	7.938-03	3.935-03	2.113-10	1.326-03	1.889-12	7.896-05

T= 1340C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.040-04	7.129-05	1.137-05	7.397-C6	4.547-C5	2.122-05	2.408-07	1.574-09	1.174-07
-6.8	1.334-04	7.516-05	7.584-06	7.338-C6	7.215-C5	3.359-05	3.938-07	2.629-09	1.841-07
-6.6	8.619-05	7.783-05	4.984-06	7.240-C6	1.144-04	5.318-05	6.370-07	4.301-09	2.875-07
-6.4	5.522-05	7.963-05	3.208-06	7.086-C6	1.813-04	8.421-05	1.023-06	6.966-09	4.454-07
-6.2	3.520-05	8.081-05	2.057-06	6.852-C6	2.873-04	1.333-04	1.633-06	1.119-08	6.819-07
-6.0	2.237-05	8.158-05	1.312-06	6.511-C6	4.549-04	2.110-04	2.600-06	1.789-08	1.026-06
-5.8	1.418-05	8.208-05	8.347-07	6.036-C6	7.200-04	3.337-04	4.129-06	2.849-08	1.505-06
-5.6	8.988-06	8.243-05	5.301-07	5.411-C6	1.139-03	5.273-04	6.543-06	4.525-08	2.135-06
-5.4	5.695-06	8.268-05	3.366-07	4.653-C6	1.799-C3	8.318-04	1.035-05	7.174-08	2.901-06
-5.2	3.610-06	8.299-05	2.139-07	3.812-C6	2.837-03	1.309-03	1.634-05	1.135-07	3.753-06
-5.0	2.291-06	8.310-05	1.363-07	2.973-C6	4.462-03	2.053-03	2.572-05	1.794-07	4.613-06
-4.8	1.457-06	8.335-05	8.710-08	2.215-C6	6.992-C3	3.203-03	4.032-05	2.827-07	5.396-06
-4.6	9.292-07	8.369-05	5.599-08	1.590-C6	1.083-C2	4.954-03	6.285-05	4.441-07	6.063-06
-4.4	5.952-07	8.417-05	3.629-08	1.114-C6	1.662-C2	7.574-03	9.713-05	6.944-07	6.604-06
-4.2	3.836-07	8.486-05	2.379-08	7.709-C7	2.567-C2	1.139-02	1.483-04	1.079-06	7.043-06
-4.0	2.490-07	8.580-05	1.584-08	5.331-C7	3.852-C2	1.674-02	2.229-04	1.662-06	7.419-06
-3.8	1.631-07	8.703-05	1.074-08	3.720-C7	5.657-C2	2.392-02	3.278-04	2.530-06	7.771-06
-3.6	1.079-07	8.856-05	7.441-09	2.640-C7	8.091-C2	3.308-02	4.696-04	3.797-06	8.132-06
-3.4	7.203-08	9.028-05	5.269-09	1.913-C7	1.122-01	4.413-02	6.529-04	5.600-06	8.526-06
-3.2	4.847-08	9.204-05	3.839-09	1.418-C7	1.506-01	5.675-02	8.784-04	8.094-06	8.961-06
-3.0	3.279-08	9.356-05	2.801-09	1.074-07	1.954-01	7.049-02	1.143-03	1.144-05	9.438-06
-2.8	2.226-08	9.455-05	2.085-09	8.286-C8	2.452-01	8.481-02	1.438-03	1.580-05	9.949-06
-2.6	1.512-08	9.468-05	1.564-09	6.487-C8	2.983-01	9.919-02	1.754-03	2.128-05	1.044-05
-2.4	1.026-08	9.370-05	1.176-09	5.136-C8	3.526-01	1.132-01	2.079-03	2.795-05	1.101-05
-2.2	6.943-09	9.143-05	8.829-10	4.098-08	4.061-01	1.264-01	2.400-03	3.579-05	1.152-05
-2.0	4.686-09	8.783-05	6.593-10	3.287-C8	4.572-01	1.386-01	2.708-03	4.468-05	1.201-05
-1.8	3.153-09	8.297-05	4.886-10	2.645-C8	5.047-01	1.497-01	2.995-03	5.442-05	1.246-05
-1.6	2.115-09	7.706-05	3.588-10	2.132-C8	5.476-01	1.595-01	3.255-03	6.474-05	1.287-05
-1.4	1.417-09	7.038-05	2.610-10	1.720-C8	5.856-01	1.680-01	3.487-03	7.532-05	1.323-05
-1.2	9.478-10	6.326-05	1.881-10	1.389-C8	6.185-01	1.753-01	3.689-03	8.583-05	1.354-05
-1.0	6.342-10	5.604-05	1.344-10	1.122-C8	6.465-01	1.816-01	3.864-03	9.598-05	1.380-05
-.8	4.250-10	4.899-05	9.533-11	9.074-C9	6.698-01	1.868-01	4.013-03	1.055-04	1.405-05
-.6	2.857-10	4.234-05	6.727-11	7.343-C9	6.887-01	1.912-01	4.140-03	1.143-04	1.426-05
-.4	1.930-10	3.625-05	4.733-11	5.952-C9	7.035-01	1.949-01	4.250-03	1.222-04	1.444-05
-.2	1.312-10	3.081-05	3.328-11	4.838-C9	7.143-01	1.981-01	4.346-03	1.292-04	1.461-05
.0	9.012-11	2.605-05	2.347-11	3.943-C9	7.208-01	2.008-01	4.435-03	1.354-04	1.478-05
.2	6.268-11	2.196-05	1.665-11	3.231-C9	7.227-01	2.033-01	4.521-03	1.409-04	1.496-05
.4	4.435-11	1.851-05	1.194-11	2.665-C9	7.192-01	2.058-01	4.613-03	1.456-04	1.518-05
.6	3.208-11	1.563-05	8.682-12	2.218-C9	7.092-01	2.082-01	4.717-03	1.497-04	1.546-05
.8	2.389-11	1.325-05	6.442-12	1.867-C9	6.915-01	2.108-01	4.843-03	1.532-04	1.581-05
1.0	1.848-11	1.130-05	4.907-12	1.594-09	6.652-01	2.136-01	4.996-03	1.557-04	1.627-05
1.2	1.502-11	9.697-06	3.870-12	1.384-C9	6.297-01	2.162-01	5.183-03	1.567-04	1.684-05
1.4	1.309-11	8.395-06	3.202-12	1.226-C9	5.855-01	2.182-01	5.404-03	1.554-04	1.754-05
1.6	1.262-11	7.361-06	2.854-12	1.116-09	5.336-01	2.189-01	5.659-03	1.505-04	1.835-05
1.8	1.434-11	6.616-06	2.891-12	1.057-C9	4.758-01	2.174-01	5.943-03	1.412-04	1.926-05
2.0	2.199-11	6.293-06	3.777-12	1.074-C9	4.139-01	2.122-01	6.247-03	1.268-04	2.025-05
2.2	6.810-11	7.022-06	9.464-12	1.289-C9	3.494-01	2.006-01	6.553-03	1.080-04	2.130-05

T= 1340C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.013-01	3.99179+C0	3.90013+01	4.2993C+C1	1.28944+02	-4.70787+00	3.99214+00
-6.8	5.008-01	3.98774+C0	3.88963+01	4.28841+01	1.27CC2+02	-4.50831+00	3.98817+00
-6.6	5.004-01	3.98495+C0	3.88272+01	4.28121+C1	1.25097+02	-4.30862+00	3.98544+00
-6.4	5.C02-01	3.98287+C0	3.87799+01	4.27627+01	1.23215+02	-4.10884+00	3.98355+00
-6.2	5.C00-01	3.98110+C0	3.87445+01	4.2725E+01	1.21346+C2	-3.90904+00	3.98195+00
-6.0	4.998-01	3.97927+00	3.87138+01	4.26931+01	1.19482+02	-3.70924+00	3.98035+00
-5.8	4.996-01	3.97706+00	3.86814+01	4.26584+01	1.17618+02	-3.50948+00	3.97841+00
-5.6	4.992-01	3.97402+00	3.86404+C1	4.26144+01	1.15746+C2	-3.30981+00	3.97571+00
-5.4	4.987-01	3.96959+C0	3.85825+C1	4.25521+01	1.13659+02	-3.11030+00	3.97171+00
-5.2	4.979-01	3.96293+C0	3.84962+01	4.24591+C1	1.11946+02	-2.91102+00	3.96559+00
-5.0	4.967-01	3.95283+C0	3.83648+01	4.23177+C1	1.09992+02	-2.71213+00	3.95615+00
-4.8	4.949-01	3.93751+C0	3.81643+01	4.21C18+C1	1.07974+02	-2.51382+00	3.94165+00
-4.6	4.920-01	3.91448+00	3.78608+01	4.17753+01	1.05862+02	-2.31637+00	3.91960+00
-4.4	4.878-01	3.88045+C0	3.74095+01	4.12999+01	1.03616+02	-2.12016+00	3.88674+00
-4.2	4.814-01	3.83148+C0	3.67565+01	4.C5875+C1	1.01186+02	-1.92567+00	3.83910+00
-4.0	4.723-01	3.76352+C0	3.58462+01	3.96097+C1	9.85265+01	-1.73345+00	3.77260+00
-3.8	4.5736-01	3.67355+C0	3.46366+01	3.83102+C1	9.56037+01	-1.54396+00	3.68614+00
-3.6	4.428-01	3.56091+00	3.31175+01	3.66784+C1	9.24180+01	-1.35768+00	3.57295+00
-3.4	4.215-01	3.42825+C0	3.13235+01	3.47517+C1	8.90139+01	-1.17537+00	3.44156+00
-3.2	3.959-01	3.28133+C0	2.93319+01	3.26133+C1	8.54771+01	-9.92990-01	3.29562+00
-3.0	3.665-01	3.12779+00	2.72462+01	3.03739+01	8.19155+01	-8.13800-01	3.14271+00
-2.8	3.343-01	2.97536+00	2.51716+01	2.8147C+01	7.84356+C1	-6.35500-01	2.99355+00
-2.6	3.004-01	2.83054+00	2.31968+01	2.60273+C1	7.51244+01	-4.57170-01	2.84566+00
-2.4	2.661-01	2.69781+C0	2.13837+01	2.40816+C1	7.20390+01	-2.78030-01	2.71258+00
-2.2	2.325-01	2.57967+C0	1.97671+01	2.23468+C1	6.92079+C1	-9.748.0-02	2.59396+00
-2.0	2.006-01	2.47691+00	1.83589+01	2.08357+C1	6.66359+C1	8.48700-02	2.49038+00
-1.8	1.712-01	2.39915+C0	1.71541+01	1.95433+01	6.43115+01	2.69200-01	2.40180+00
-1.6	1.447-01	2.31524+00	1.61382+01	1.84534+C1	6.22128+C1	4.55550-01	2.32701+00
-1.4	1.212-01	2.25362+00	1.52904+01	1.7544C+01	6.03135+C1	6.43840-01	2.26450+00
-1.2	1.009-01	2.20260+00	1.45881+01	1.67907+C1	5.85853+01	8.33890-01	2.21258+00
-1.0	8.346-02	2.16045+00	1.40085+01	1.6149C+C1	5.70017+01	1.02550+00	2.16953+00
-.8	6.875-02	2.12551+C0	1.3530C+01	1.56555+C1	5.55365+01	1.21842+00	2.13368+00
-.6	5.646-02	2.09619+00	1.31319+01	1.52281+C1	5.41665+01	1.41239+00	2.10342+00
-.4	4.628-02	2.C7094+00	1.27968+01	1.48657+C1	5.28701+01	1.60713+00	2.07714+00
-.2	3.790-02	2.04816+C0	1.24997+01	1.45478+C1	5.16266+01	1.80232+00	2.05317+00
.0	3.106-02	2.02617+00	1.22269+01	1.42531+C1	5.04157+01	1.99763+00	2.02969+00
.2	2.550-02	2.00308+00	1.19556+01	1.3998.+01	4.92166+C1	2.19266+00	2.00643+00
.4	2.101-02	1.97689+00	1.16637+01	1.36406+01	4.80081+C1	2.38694+00	1.97888+00
.6	1.740-02	1.94560+00	1.13287+01	1.32743+01	4.67697+C1	2.58001+00	1.94643+00
.8	1.452-02	1.90775+00	1.09318+01	1.28398+C1	4.54854+01	2.77148+00	1.90674+00
1.0	1.224-02	1.86303+00	1.04627+01	1.23257+01	4.41674+C1	2.96116+00	1.86369+00
1.2	1.044-02	1.81294+00	9.92398+00	1.17365+01	4.27626+01	3.14934+00	1.78981+00
1.4	9.049-03	1.76103+00	9.33197+00	1.1093C+C1	4.13477+01	3.33673+00	1.71043+00
1.6	8.019-03	1.71276+00	8.71250+00	1.04253+C1	3.99288+C1	3.52465+00	1.63503+00
1.8	7.352-03	1.67499+00	8.09479+00	9.76977+00	3.85316+C1	3.71497+00	1.55779+00
2.0	7.180-03	1.65553+00	7.50751+00	9.16303+00	3.71784+01	3.90994+00	1.48125+00
2.2	8.222-03	1.66043+00	6.98674+00	8.64717+00	3.58951+01	4.11119+00	1.40874+00

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LOG D	N2	C2	NO	CO	CO2	NC2	N2O	N2+	O2+
-7.0	6.082-18	6.494-20	1.293-18	1.906-22	.CCC+CC	.CCC+00	.000+00	5.739-14	1.918-15
-6.8	2.425-17	2.559-19	4.347-18	8.024-22	.CCC+CC	.000+00	.000+00	1.447-13	4.811-15
-6.6	9.659-17	1.016-18	1.729-17	3.314-21	.CCC+CC	.000+00	.000+00	3.644-13	1.207-14
-6.4	3.844-16	4.034-18	6.872-17	1.352-20	.CCC+CC	.000+00	.000+00	9.164-13	3.028-14
-6.2	1.529-15	1.602-17	2.731-16	5.461-20	.CCC+CC	.CCC+00	.000+00	2.302-12	7.594-14
-6.0	6.077-15	6.351-17	1.084-15	2.192-19	.CCC+CC	.000+00	.000+00	5.709-12	1.904-13
-5.8	2.412-14	2.519-16	4.302-15	8.757-19	.CCC+CC	.000+00	.000+00	1.430-11	4.768-13
-5.6	9.559-14	9.967-16	1.703-14	3.485-18	.CCC+CC	.CCC+00	.000+00	3.631-11	1.192-12
-5.4	3.779-13	3.931-15	6.726-14	1.387-17	.CCC+CC	.CCC+00	.000+00	9.081-11	2.974-12
-5.2	1.489-12	1.543-14	2.645-13	5.452-17	.CCC+CC	.CCC+00	.000+00	2.265-10	7.374-12
-5.0	5.833-12	6.013-14	1.033-12	2.139-16	.CCC+CC	.CCC+00	.000+00	5.630-10	1.828-11
-4.8	2.266-11	2.317-13	3.999-12	8.321-16	.CCC+CC	.CCC+00	.000+00	1.391-09	4.479-11
-4.6	8.697-11	8.778-13	1.525-11	3.197-15	.CCC+CC	.000+00	.000+00	3.409-09	1.084-10
-4.4	3.277-10	3.245-12	5.690-11	1.207-14	.CCC+CC	.000+00	.000+00	8.249-09	2.572-10
-4.2	1.203-09	1.159-11	2.060-10	4.441-14	.CCC+CC	.000+00	.000+00	1.960-08	5.966-10
-4.0	4.257-09	3.968-11	7.152-10	1.580-13	.CCC+CC	.000+00	.000+00	4.542-08	1.326-09
-3.8	1.438-08	1.266-10	2.354-09	5.377-13	.CCC+CC	.000+00	.000+00	1.019-07	2.824-09
-3.6	4.592-08	3.782-10	7.265-09	1.736-12	.CCC+CC	.000+00	.000+00	2.192-07	5.699-09
-3.4	1.367-07	1.045-09	2.086-08	5.281-12	.CCC+CC	.000+00	.000+00	4.501-07	1.084-08
-3.2	3.745-07	2.669-09	5.553-08	1.510-11	.CCC+CC	.CCC+00	.000+00	8.778-07	1.944-08
-3.0	9.804-07	6.320-09	1.374-07	4.057-11	.CCC+CC	.CCC+00	.000+00	.624-06	3.297-08
-2.8	2.363-06	1.359-08	3.172-07	1.028-10	.CCC+00	.000+00	.000+00	2.855-06	5.321-08
-2.6	5.364-06	2.919-08	6.891-07	2.468-10	.CCC+CC	.CCC+00	.000+00	4.785-06	8.230-08
-2.4	1.141-05	5.797-08	1.419-06	5.641-10	.CCC+CC	.CCC+00	.000+00	7.679-06	1.228-07
-2.2	2.318-05	1.105-07	2.793-06	1.233-09	.CCC+CC	.CCC+00	.000+00	1.186-05	1.781-07
-2.0	4.510-05	2.036-07	5.288-06	2.587-09	.CCC+00	.000+00	.000+00	1.773-05	2.520-07
-1.8	8.460-05	3.647-07	9.693-06	5.233-09	.CCC+00	.000+00	.000+00	2.575-05	3.476-07
-1.6	1.539-04	6.385-07	1.730-05	1.024-08	.CCC+CC	.CCC+00	.CCC+00	3.653-05	4.773-07
-1.4	2.728-04	1.097-06	3.019-05	1.946-08	.CCC+CC	.CCC+00	.000+00	5.079-05	6.433-07
-1.2	4.733-04	1.856-06	5.172-05	3.600-08	.CCC+CC	.CCC+00	.000+00	6.967-05	8.579-07
-1.0	8.045-04	3.101-06	8.726-05	6.503-08	.CCC+CC	.CCC+00	.000+00	9.372-05	1.135-06
-.8	1.354-03	5.127-06	1.454-04	1.151-07	.CCC+CC	.000+00	.000+00	1.250-04	1.491-06
-.6	2.242-03	8.407-06	2.396-04	1.999-07	.CCC+00	.000+00	.000+00	1.652-04	1.951-06
-.4	3.672-03	1.369-05	3.912-04	3.419-07	.CCC+CC	.CCC+00	.000+00	2.165-04	2.544-06
-.2	5.944-03	2.218-05	6.336-04	5.770-07	.CCC+CC	.CCC+00	.000+00	2.817-04	3.312-06
.0	9.512-03	3.578-05	1.018-03	9.627-07	.CCC+CC	.CCC+00	.000+00	3.636-04	4.311-06
.2	1.502-02	5.750-05	1.621-03	1.591-06	.CCC+CC	.000+00	.000+00	4.654-04	5.619-06
.4	2.334-02	9.214-05	2.558-03	2.607-06	.CCC+CC	.CCC+00	.000+00	5.894-04	7.344-06
.6	3.555-02	1.473-04	3.991-03	4.240-06	.CCC+CC	.CCC+00	.000+00	7.367-04	9.647-06
.8	5.282-02	2.349-04	6.141-03	6.842-06	.CCC+CC	.000+00	.000+00	9.062-04	1.276-05
1.0	7.614-02	3.735-04	9.293-03	1.094-05	.CCC+CC	.CCC+00	.CCC+00	1.095-03	1.704-05
1.2	1.0A1-01	5.913-04	1.379-02	1.728-05	.CCC+CC	.CCC+00	.000+00	1.239-03	2.307-05
1.4	1.426-01	9.302-04	2.003-02	2.683-05	.CCC+CC	.CCC+00	.CCC+00	1.523-03	3.180-05
1.6	1.847-01	1.451-03	2.843-02	4.067-05	.CCC+00	.000+00	.000+00	1.786-03	4.511-05
1.8	2.311-01	2.234-03	3.937-02	5.968-05	.CCC+CC	.000+00	.000+00	2.144-03	6.707-05
2.0	2.800-01	3.378-03	5.310-02	8.402-05	.CCC+CC	.CCC+00	.000+00	2.765-03	1.087-04
2.2	3.286-01	4.922-03	6.909-02	1.118-04	.CCC+CC	.CCC+00	.000+00	4.327-03	2.120-04

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LOG D	C2-	NO+	CC+	O-	N+	N++	O+	O++	A+
-7.0	1.362-30	8.553-14	3.029-18	6.082-14	3.890-01	2.907-03	1.050-01	2.242-05	2.096-03
-6.8	8.539-30	2.151-13	8.069-18	1.522-13	3.895-01	1.846-03	1.051-01	1.420-05	2.182-03
-6.6	5.364-29	5.407-13	2.107-17	3.813-13	3.905-01	1.170-03	1.052-01	8.983-06	2.239-03
-6.4	3.372-28	1.358-12	5.428-17	9.557-13	3.911-01	7.404-04	1.052-01	5.679-06	2.277-03
-6.2	2.120-27	3.409-12	1.385-16	2.396-12	3.914-01	4.682-04	1.052-01	3.588-06	2.301-03
-6.0	1.332-26	8.552-12	3.512-16	6.005-12	3.916-01	2.960-04	1.052-01	2.267-06	2.317-03
-5.8	8.361-26	2.143-11	8.864-16	1.504-11	3.916-01	1.871-04	1.051-01	1.432-06	2.327-03
-5.6	5.236-25	5.364-11	2.230-15	3.763-11	3.916-01	1.183-04	1.050-01	9.046-07	2.332-03
-5.4	3.267-24	1.340-10	5.591-15	9.394-11	3.914-01	7.485-05	1.049-01	5.716-07	2.335-03
-5.2	2.027-23	3.337-10	1.397-14	2.338-10	3.910-01	4.740-05	1.046-01	3.613-07	2.335-03
-5.0	1.246-22	8.270-10	3.477-14	5.791-10	3.904-01	3.005-05	1.041-01	2.284-07	2.334-03
-4.8	7.559-22	2.035-09	8.604-14	1.424-09	3.895-01	1.909-05	1.034-01	1.445-07	2.329-03
-4.6	4.492-21	4.955-09	2.111-13	3.462-09	3.880-01	1.216-05	1.024-01	9.149-08	2.322-03
-4.4	2.591-20	1.188-08	5.117-13	8.282-09	3.856-01	7.779-06	1.008-01	5.796-08	2.310-03
-4.2	1.432-19	2.783-08	1.219-12	1.935-08	3.821-01	5.002-06	9.852-02	3.677-08	2.291-03
-4.0	7.474-19	6.327-08	2.839-12	4.382-08	3.769-01	3.239-06	9.532-02	2.335-08	2.262-03
-3.8	3.624-18	1.383-07	6.416-12	9.529-08	3.694-01	2.115-06	9.105-02	1.486-08	2.221-03
-3.6	1.610-17	2.882-07	1.399-11	1.974-07	3.599-01	1.394-06	8.567-02	9.484-09	2.163-03
-3.4	6.493-17	5.496-07	2.930-11	3.873-07	3.451-01	9.271-07	7.929-02	6.072-09	2.085-03
-3.2	2.473-16	1.065-06	6.882-11	7.187-07	3.277-01	6.215-07	7.218-02	3.903-09	1.986-03
-3.0	7.895-16	1.887-06	1.132-10	1.262-06	3.067-01	4.191-07	6.468-02	2.520-09	1.865-03
-2.8	2.412-15	3.178-06	2.092-10	2.112-06	2.827-01	2.837-07	5.713-02	1.634-09	1.725-03
-2.6	6.845-15	5.116-06	3.723-10	3.379-06	2.566-01	1.923-07	4.981-02	1.064-09	1.571-03
-2.4	1.824-14	7.919-06	6.393-10	5.200-06	2.293-01	1.302-07	4.293-02	6.951-10	1.408-03
-2.2	4.616-14	1.185-05	1.062-09	7.744-06	2.020-01	8.807-08	3.663-02	4.553-10	1.244-03
-2.0	1.119-13	1.723-05	1.712-09	1.122-05	1.755-01	5.940-08	3.097-02	2.988-10	1.084-03
-1.8	2.619-13	2.446-05	2.683-09	1.587-05	1.506-01	3.995-08	2.598-02	1.964-10	9.327-04
-1.6	5.957-13	3.405-05	4.095-09	2.203-05	1.279-01	2.680-08	2.164-02	1.293-10	7.937-04
-1.4	1.324-12	4.660-05	6.103-09	3.010-05	1.076-01	1.795-08	1.793-02	8.522-11	6.691-04
-1.2	2.889-12	6.294-05	8.900-09	4.059-05	8.993-02	1.200-08	1.478-02	5.629-11	5.596-04
-1.0	6.212-12	8.407-05	1.273-08	5.418-05	7.450-02	8.029-09	1.213-02	3.727-11	4.650-04
-.8	1.320-11	1.113-04	1.790-08	7.173-05	6.146-02	5.375-09	9.936-03	2.477-11	3.846-04
-.6	2.780-11	1.463-04	2.481-08	9.438-05	5.049-02	3.606-09	8.121-03	1.653-11	3.170-04
-.4	5.915-11	1.913-04	3.398-08	1.236-04	4.134-02	2.427-09	6.633-03	1.110-11	2.608-04
-.2	1.210-10	2.489-04	4.609-08	1.615-04	3.377-02	1.641-09	5.419-03	7.507-12	2.145-04
.0	2.511-10	3.225-04	6.208-08	2.105-04	2.752-02	1.116-09	4.434-03	5.127-12	1.757-04
.2	5.199-10	4.163-04	8.320-08	2.745-04	2.239-02	7.651-10	3.640-03	3.544-12	1.460-04
.4	1.076-09	5.351-04	1.113-07	3.584-04	1.818-02	5.291-10	3.002-03	2.488-12	1.214-04
.6	2.230-09	6.846-04	1.488-07	4.692-04	1.473-02	3.700-10	2.493-03	1.782-12	1.018-04
.8	4.636-09	8.713-04	1.993-07	6.173-04	1.191-02	2.624-10	2.089-03	1.310-12	8.647-05
1.0	9.684-09	1.103-03	2.681-07	8.178-04	9.612-03	1.898-10	1.772-03	9.945-13	7.465-05
1.2	2.040-08	1.389-03	3.629-07	1.094-03	7.755-03	1.413-10	1.525-03	7.886-13	6.584-05
1.4	4.357-08	1.750-03	4.953-07	1.464-03	6.284-03	1.101-10	1.340-03	6.644-13	5.971-05
1.6	9.522-08	2.225-03	6.863-07	2.059-03	5.160-03	9.268-11	1.217-03	6.128-13	5.632-05
1.8	2.168-07	2.908-03	9.797-07	2.963-03	4.374-03	8.966-11	1.142-03	6.564-13	5.634-05
2.0	5.340-07	4.064-03	1.495-06	4.576-03	3.979-03	1.143-10	1.167-03	9.320-13	6.232-05
2.2	1.572-06	6.750-03	2.710-06	8.390-03	4.337-03	2.924-10	1.428-03	2.645-12	8.546-05

T= 1350C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	2.416-04	6.951-05	1.311-09	7.409-06	4.107-05	1.920-05	2.121-07	1.415-09	1.019-07
-6.8	1.592-04	7.390-05	8.815-06	7.360-06	6.518-05	3.039-05	3.490-07	2.379-09	1.591-07
-6.6	1.033-04	7.697-05	5.805-06	7.277-06	1.036-04	4.812-05	5.667-07	3.920-09	2.499-07
-6.4	6.637-05	7.905-05	3.767-06	7.143-06	1.639-04	7.619-05	9.122-07	6.373-09	3.667-07
-6.2	4.239-05	8.043-05	2.422-06	6.938-06	2.593-04	1.206-04	1.460-06	1.026-08	5.947-07
-6.0	2.697-05	8.133-05	1.548-06	6.635-06	4.112-04	1.909-04	2.326-06	1.643-08	9.003-07
-5.8	1.711-05	8.193-05	9.853-07	6.207-06	6.509-04	3.020-04	3.697-06	2.620-08	1.333-06
-5.6	1.085-05	8.232-05	6.261-07	5.631-06	1.030-03	4.772-04	5.863-06	4.165-08	1.913-06
-5.4	6.875-06	8.260-05	3.977-07	4.913-06	1.627-03	7.532-04	9.279-06	6.606-08	2.639-06
-5.2	4.358-06	8.283-05	2.527-07	4.092-06	2.567-03	1.186-03	1.466-05	1.046-07	3.470-06
-5.0	2.765-06	8.304-05	1.609-07	3.243-06	4.040-03	1.862-03	2.309-05	1.653-07	4.336-06
-4.8	1.758-06	8.328-05	1.028-07	2.451-06	6.337-03	2.908-03	3.623-05	2.607-07	5.153-06
-4.6	1.121-06	8.360-05	6.597-08	1.781-06	9.885-03	4.508-03	5.656-05	4.098-07	5.862-06
-4.4	7.174-07	8.404-05	4.267-08	1.257-06	1.530-02	6.911-03	8.761-05	6.415-07	6.445-06
-4.2	4.618-07	8.466-05	2.790-08	8.736-07	2.341-02	1.043-02	1.342-04	9.982-07	6.916-06
-4.0	2.994-07	8.553-05	1.851-08	6.045-07	3.528-02	1.542-02	2.025-04	1.540-06	7.313-06
-3.8	1.953-07	8.669-05	1.250-08	4.213-07	5.207-02	2.218-02	2.994-04	2.351-06	7.674-06
-3.6	1.293-07	8.813-05	8.616-09	2.980-07	7.493-02	3.098-02	4.317-04	3.540-06	8.037-06
-3.4	8.625-08	8.980-05	6.072-09	2.152-07	1.046-01	4.155-02	6.045-04	5.239-06	8.425-06
-3.2	5.800-08	9.152 05	4.370-09	1.587-07	1.415-01	5.385-02	8.198-04	7.603-06	8.853-06
-3.0	3.925-08	9.307-05	3.202-09	1.197-07	1.849-01	6.738-02	1.075-03	1.080-05	9.323-06
-2.8	2.665-08	9.415-05	2.378-09	9.201-08	2.337-01	8.161-02	1.363-03	1.497-05	9.828-06
-2.6	1.813-08	9.443-05	1.781-09	7.184-08	2.862-01	9.601-02	1.675-03	2.027-05	1.035-05
-2.4	1.232-08	9.364-05	1.339-09	5.677-08	3.403-01	1.101-01	1.999-03	2.674-05	1.089-05
-2.2	8.354-09	9.159-05	1.005-09	4.524-08	3.942-01	1.235-01	2.322-03	3.439-05	1.141-05
-2.0	5.649-09	8.821-05	7.516-10	3.626-08	4.459-01	1.360-01	2.633-03	4.313-05	1.190-05
-1.8	3.808-09	8.357-05	5.579-10	2.916-08	4.942-01	1.473-01	2.926-03	5.275-05	1.236-05
-1.6	2.561-09	7.783-05	4.105-10	2.351-08	5.382-01	1.574-01	3.193-03	6.300-05	1.278-05
-1.4	1.718-09	7.128-05	2.992-10	1.897-08	5.773 01	1.662-01	3.431-03	7.356-05	1.315-05
-1.2	1.151-09	6.429-05	2.161-10	1.532-08	6.113-01	1.737-01	3.641-03	8.411-05	1.348-05
-1.0	7.717-10	5.709-05	1.548-10	1.238-08	6.403-01	1.802-01	3.822-03	9.433-05	1.376-05
-.8	5.180-10	4.998-05	1.100-10	1.002-08	6.646-01	1.857-01	3.977-03	1.040-04	1.400-05
-.6	3.497-10	4.329-05	7.782-11	8.104-09	6.845-01	1.902-01	4.110-03	1.129-04	1.421-05
-.4	2.355-10	3.719-05	5.486-11	6.574-09	7.001-01	1.941-01	4.224-03	1.209-04	1.440-05
-.2	1.606-10	3.181-05	3.847-11	5.343-09	7.117-01	1.973-01	4.323-03	1.281-04	1.457-05
.0	1.104-10	2.676-05	2.732-11	4.357-09	7.190-01	2.002-01	4.414-03	1.344-04	1.474-05
.2	7.691-11	2.259-05	1.942-11	3.530-09	7.218-01	2.027-01	4.502-03	1.400-04	1.493-05
.4	5.448-11	1.906-05	1.395-11	2.945-09	7.192-01	2.051-01	4.593-03	1.448-04	1.514-05
.6	3.947-11	1.611-05	1.017-11	2.450-09	7.103-01	2.076-01	4.696-03	1.490-04	1.541-05
.8	2.944-11	1.368-05	7.571-12	2.062-09	6.939-01	2.102-01	4.819-03	1.526-04	1.575-05
1.0	2.282-11	1.169-05	5.790-12	1.761-09	6.699-01	2.128-01	4.969-03	1.553-04	1.620-05
1.2	1.861-11	1.006-05	4.591-12	1.529-09	6.367-01	2.153-01	5.157-03	1.566-04	1.676-05
1.4	1.628-11	8.751-06	3.830-12	1.356-09	5.916-01	2.173-01	5.370-03	1.558-04	1.744-05
1.6	1.581-11	7.721-06	3.451-12	1.236-09	5.405-01	2.181-01	5.621-03	1.515-04	1.824-05
1.8	1.814-11	6.958-06	3.549-12	1.174-09	4.831-01	2.166-01	5.902-03	1.429-04	1.914-05
2.0	2.827-11	6.732-06	4.745-12	1.199-09	4.212-01	2.116-01	6.205-03	1.292-04	2.013-05
2.2	9.153-11	7.649-06	1.251-11	1.455-09	3.562-01	2.001-01	6.507-03	1.107-04	2.117-05

T= 1350C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.016-01	3.99407+00	3.88251+01	4.28191+01	1.26057+02	-4.70440+00	3.99442+00
-6.8	5.010-01	3.98923+00	3.86994+01	4.26868+01	1.27093+02	-4.50492+00	3.98955+00
-6.6	5.006-01	3.98594+00	3.86171+01	4.26003+01	1.25175+02	-4.30528+00	3.98647+00
-6.4	5.003-01	3.98356+00	3.85616+01	4.25452+01	1.23284+02	-4.10554+00	3.98424+00
-6.2	5.001-01	3.98164+00	3.85214+01	4.25032+01	1.21410+02	-3.90575+00	3.98248+00
-6.0	4.999-01	3.97977+00	3.84888+01	4.24685+01	1.19544+02	-3.70595+00	3.98084+00
-5.8	4.996-01	3.97762+00	3.84562+01	4.24338+01	1.17679+02	-3.50619+00	3.97896+00
-5.6	4.993-01	3.97477+00	3.84172+01	4.23915+01	1.15809+02	-3.30650+00	3.97644+00
-5.4	4.988-01	3.97067+00	3.83637+01	4.23344+01	1.13926+02	-3.10695+00	3.97277+00
-5.2	4.981-01	3.96456+00	3.82850+01	4.22496+01	1.12020+02	-2.90762+00	3.96719+00
-5.0	4.971-01	3.95531+00	3.81658+01	4.21212+01	1.10077+02	-2.70863+00	3.95860+00
-4.8	4.954-01	3.94128+00	3.79840+01	4.19253+01	1.08077+02	-2.51017+00	3.94539+00
-4.6	4.928-01	3.92017+00	3.77083+01	4.16285+01	1.05991+02	-2.31251+00	3.92526+00
-4.4	4.889-01	3.88884+00	3.72966+01	4.11854+01	1.03781+02	-2.11599+00	3.89510+00
-4.2	4.830-01	3.84347+00	3.66966+01	4.05403+01	1.01400+02	-1.92109+00	3.85107+00
-4.0	4.746-01	3.77996+00	3.58834+01	3.96333+01	9.88002+01	-1.72832+00	3.78907+00
-3.8	4.627-01	3.69497+00	3.47200+01	3.84146+01	9.59749+01	-1.53820+00	3.70564+00
-3.6	4.469-01	3.58722+00	3.32781+01	3.68653+01	9.28254+01	-1.35105+00	3.59943+00
-3.4	4.266-01	3.45859+00	3.15519+01	3.50105+01	8.94762+01	-1.16691+00	3.47217+00
-3.2	4.019-01	3.31424+00	2.96100+01	3.29262+01	8.59743+01	-9.85430-01	3.32892+00
-3.0	3.733-01	3.16152+00	2.75510+01	3.07125+01	8.24238+01	-8.05920-01	3.17694+00
-2.8	3.416-01	3.00830+00	2.54809+01	2.84892+01	7.89331+01	-6.27490-01	3.02409+00
-2.6	3.080-01	2.86142+00	2.34924+01	2.63539+01	7.55936+01	-4.49230-01	2.87721+00
-2.4	2.737-01	2.72591+00	2.16533+01	2.43791+01	7.24686+01	-2.70320-01	2.74129+00
-2.2	2.399-01	2.60438+00	2.00034+01	2.26068+01	6.95922+01	-9.01100-02	2.61932+00
-2.0	2.077-01	2.49827+00	1.85595+01	2.10578+01	6.69739+01	9.18300-02	2.51246+00
-1.8	1.777-01	2.40730+00	1.73197+01	1.97270+01	6.46051+01	2.75720-01	2.42068+00
-1.6	1.505-01	2.33048+00	1.62709+01	1.86014+01	6.24660+01	4.61630-01	2.34296+00
-1.4	1.263-01	2.26630+00	1.53935+01	1.76401+01	6.05310+01	6.49500-01	2.27785+00
-1.2	1.053-01	2.21308+00	1.46661+01	1.68791+01	5.87722+01	8.39180-01	2.22369+00
-1.0	8.728-02	2.16909+00	1.40650+01	1.62341+01	5.71625+01	1.03047+00	2.17877+00
-.8	7.199-02	2.13266+00	1.35687+01	1.57014+01	5.56760+01	1.22311+00	2.14139+00
-.6	5.919-02	2.10217+00	1.31565+01	1.52587+01	5.42889+01	1.41686+00	2.10993+00
-.4	4.856-02	2.07606+00	1.28087+01	1.48848+01	5.29792+01	1.61143+00	2.08275+00
-.2	3.980-02	2.05273+00	1.25063+01	1.45590+01	5.17262+01	1.80652+00	2.05820+00
.0	3.264-02	2.03030+00	1.22297+01	1.42602+01	5.05094+01	2.00179+00	2.03446+00
.2	2.681-02	2.00753+00	1.19583+01	1.39658+01	4.93081+01	2.19685+00	2.00944+00
.4	2.210-02	1.98181+00	1.16700+01	1.36528+01	4.81012+01	2.39125+00	1.98099+00
.6	1.830-02	1.95136+00	1.13425+01	1.32936+01	4.68678+01	2.58452+00	1.94653+00
.8	1.527-02	1.91459+00	1.09561+01	1.28707+01	4.55910+01	2.77626+00	1.90392+00
1.0	1.287-02	1.87104+00	1.04990+01	1.23700+01	4.42619+01	2.96627+00	1.85176+00
1.2	1.097-02	1.82194+00	9.97155+00	1.17935+01	4.28840+01	3.15473+00	1.79065+00
1.4	9.513-03	1.77079+00	9.39833+00	1.11591+01	4.14734+01	3.34235+00	1.72027+00
1.6	8.432-03	1.72278+00	8.77608+00	1.04969+01	4.00551+01	3.53042+00	1.66507+00
1.8	7.737-03	1.68495+00	8.15800+00	9.86285+00	3.86550+01	3.72075+00	1.56764+00
2.0	7.577-03	1.66449+00	7.56987+00	9.23469+00	3.72964+01	3.91555+00	1.49036+00
2.2	8.758-03	1.66840+00	7.04883+00	8.71724+00	3.60088+01	4.11649+00	1.46080+00

T= 1360C

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.665-18	5.171-20	8.608-19	1.446-22	.CCC+CO	.CCC+00	.000+00	4.915-14	1.678-15
-6.8	1.861-17	2.049-19	3.422-18	6.142-22	.CCC+CO	.CCC+00	.000+00	1.241-13	4.208-15
-6.6	7.414-17	8.131-19	1.361-17	2.553 21	.CCC+CO	.000+00	.000+00	3.126-13	1.056-14
-6.4	2.952-16	3.228-18	5.410-17	1.045-20	.CCC+CO	.000+00	.000+00	7.864-13	2.648-14
-6.2	1.174-15	1.282-17	2.150-16	4.234-20	.CCC+CO	.CCC+00	.000+00	1.976-12	6.643-14
-6.0	4.668-15	5.086-17	8.540-16	1.703-19	.CCC+CO	.CCC+00	.000+00	4.962-12	1.655-13
-5.8	1.853-14	2.017-16	3.386-15	6.812-19	.CCC+CO	.000+00	.000+00	1.245-11	4.172-13
-5.6	7.348-14	7.982-16	1.342-14	2.716-18	.CCC+CO	.CCC+00	.000+00	3.119-11	1.044-12
-5.4	2.907-13	3.150-15	5.304-14	1.077-17	.CCC+CC	.CCC+00	.000+00	7.804-11	2.605-12
-5.2	1.146-12	1.238-14	2.088-13	4.254-17	.CCC+CO	.CCC+00	.000+00	1.948-10	6.441-12
-5.0	4.496-12	4.833-14	8.169-13	1.672-16	.CCC+CO	.CCC+00	.000+00	4.846-10	1.604-11
-4.8	1.756-11	1.867-13	3.168-12	6.516-16	.CCC+CO	.CCC+00	.000+00	1.128-09	3.940-11
-4.6	6.737-11	7.109-13	1.212-11	2.511-15	.CCC+CO	.CCC+00	.000+00	2.945-09	9.561-11
-4.4	2.569-10	2.641-12	4.548-11	9.518-15	.CCC+CO	.CCC+00	.000+00	7.147-09	2.290-10
-4.2	9.416-10	9.510-12	1.658-10	3.524-14	.CCC+CO	.CCC+00	.000+00	1.706-08	5.355-10
-4.0	3.362-09	3.275-11	5.816-10	1.263-13	.CCC+CO	.CCC+00	.000+00	3.977-08	1.193-09
-3.8	1.166-08	1.069-10	1.938-09	4.343-13	.CCC+CO	.CCC+00	.000+00	8.986-08	2.568-09
-3.6	3.707-08	3.236-10	6.069-09	1.419-12	.CCC+CO	.CCC+00	.000+00	1.993-07	5.247-09
-3.4	1.122-07	9.093-10	1.770-08	4.372-12	.CCC+CO	.CCC+00	.000+00	4.052-07	1.011-08
-3.2	3.165-07	2.361-09	4.791-08	1.266-11	.CCC+CO	.CCC+00	.000+00	7.993-07	1.836-08
-3.0	8.306-07	5.679-09	1.204-07	3.445-11	.CCC+CC	.CCC+00	.000+00	1.495-06	3.150-08
-2.8	2.031-06	1.274-08	2.820-07	8.833-11	.CCC+CO	.CCC+00	.000+00	2.658-06	5.136-08
-2.6	4.854-06	2.691-08	6.203-07	2.143-10	.CCC+CO	.CCC+00	.000+00	4.501-06	8.013-08
-2.4	1.006-05	5.398-08	1.291-06	4.943-10	.CCC+CO	.CCC+00	.CCC+00	7.269-06	1.205-07
-2.2	2.064-05	1.037-07	2.565-06	1.089-09	.CCC+CO	.CCC+00	.CCC+00	1.135-05	1.757-07
-2.0	4.052-05	1.924-07	4.894-06	2.302 09	.CCC+CO	.CCC+00	.000+00	1.708-05	2.499-07
-1.8	7.658-05	3.467-07	9.031-06	4.689-09	.CCC+CO	.CCC+00	.000+00	2.497-05	3.491-07
-1.6	1.402-04	6.098-07	1.620-05	9.230-09	.CCC+CO	.CCC+00	.CCC+00	3.560-05	4.770-07
-1.4	2.498-04	1.052-06	2.841-05	1.762-08	.CCC+CO	.CCC+00	.000+00	4.972-05	6.446-07
-1.2	4.353-04	1.785-06	4.885-05	3.275-08	.CCC+CO	.000+00	.000+00	6.825-05	8.618-07
-1.0	7.444-04	2.989-06	8.267-05	5.939-08	.CCC+CO	.CCC+CO	.000+00	9.236-05	1.142-06
-.8	1.253-03	4.953-06	1.381-04	1.054-C7	.CCC+CC	.CCC+00	.CCC+00	1.235-04	1.504-06
-.6	2.082-C3	8.135-06	2.281-04	1.837-C7	.CCC+CO	.CCC+00	.CCC+00	1.637-04	1.970-06
-.4	3.416-03	1.327-05	3.731-04	3.149-C7	.CCC+CO	.CCC+00	.CCC+00	2.150-04	2.572-06
-.2	5.543-03	2.151-05	.052-04	5.326-C7	.CCC+CO	.CCC+00	.CCC+00	2.802-04	3.352-06
.0	8.890-C3	3.473-05	9.737-04	8.901-C7	.CCC+CO	.CCC+00	.CCC+00	3.626-04	4.366-06
.2	1.407-02	5.584-05	1.553-03	1.473-C6	.CCC+CO	.CCC+00	.CCC+00	4.652-04	5.694-06
.4	2.193-02	8.953-05	2.455-03	2.417-C6	.CCC+CO	.CCC+00	.CCC+00	5.910-04	7.448-06
.6	3.352-02	1.432-04	3.837-03	3.936-C6	.CCC+CC	.CCC+00	.CCC+00	7.414-04	9.788-06
.8	5.000-02	2.283-04	5.917-03	6.359-C6	.CCC+CC	.CCC+00	.CCC+00	9.162-04	1.296-05
1.0	7.243-02	3.630-04	8.976-03	1.019-C5	.CCC+CO	.CCC+00	.CCC+00	1.113-03	1.732-05
1.2	1.015-01	5.749-04	1.336-02	1.612-C5	.CCC+CO	.CCC+00	.CCC+00	1.329-03	2.346-05
1.4	1.371-01	9.047-04	1.946-02	2.511-C5	.CCC+CC	.CCC+00	.CCC+00	1.569-03	3.241-05
1.6	1.786-01	1.411-C3	2.770-02	3.823-C5	.CCC+CC	.CCC+00	.CCC+00	1.853-03	4.508-05
1.8	2.246-01	2.175-03	3.846-02	5.641-C5	.CCC+CO	.CCC+00	.CCC+00	2.242-03	6.877-05
2.0	2.734-01	3.290-03	5.201-02	7.994-C5	.CCC+CO	.CCC+00	.CCC+00	2.917-03	1.120-04
2.2	3.220-01	4.786-03	6.774-02	1.070-C4	.CCC+CO	.CCC+00	.CCC+00	4.832-03	2.206-04

T= 1360C

LOG D	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.113-30	7.196-14	2.537-18	5.464-14	3.871-01	3.527-03	1.049-01	2.820-05	2.052-03
-6.8	6.971-30	1.811-13	6.817-18	1.367-13	3.890-01	2.243-03	1.051-01	1.787-05	2.151-03
-6.6	4.375-29	4.552-13	1.791-17	3.422-13	3.901-01	1.422-03	1.052-01	1.131-05	2.218-03
-6.4	2.749-28	1.144-12	4.634-17	8.575-13	3.908-01	9.007-04	1.052-01	7.153-06	2.263-03
-6.2	1.728-27	2.871-12	1.186-16	2.150-12	3.913-01	5.698-04	1.052-01	4.520-06	2.293-03
-6.0	1.086-26	7.204-12	3.013-16	5.387-12	3.915-01	3.603-04	1.052-01	2.856-06	2.311-03
-5.8	6.819-26	1.805-11	7.615-16	1.350-11	3.916-01	2.279-04	1.052-01	1.804-06	2.323-03
-5.6	4.273-25	4.521-11	1.917-15	3.377-11	3.916-01	1.440-04	1.051-01	1.140-06	2.330-03
-5.4	2.668-24	1.130-10	4.812-15	8.435-11	3.914-01	9.112-05	1.049-01	7.203-07	2.334-03
-5.2	1.658-23	2.816-10	1.204-14	2.101-10	3.911-01	5.769-05	1.046-01	4.553-07	2.335-03
-5.0	1.021-22	6.987-10	2.999-14	5.211-10	3.904-01	3.657-05	1.042-01	2.879-07	2.334-03
-4.8	6.216-22	1.722-09	7.430-14	1.283-C9	3.897-01	2.322-05	1.036-01	1.821-07	2.331-03
-4.6	3.713-21	4.205-09	1.827-13	3.129-C9	3.883-01	1.478-05	1.026-01	1.153-07	2.324-03
-4.4	2.157-20	1.012-08	4.441-13	7.515-C9	3.862-01	9.449-06	1.012-01	7.303-08	2.313-03
-4.2	1.205-19	2.384-08	1.062-12	1.766-C8	3.830-01	6.069-06	9.908-02	4.632-08	2.296-03
-4.0	6.373-19	5.458-08	2.487-12	4.029-C8	3.782-01	3.925-06	9.609-02	2.942-08	2.271-03
-3.8	3.143-18	1.204-07	5.659-12	8.644-C8	3.712-01	2.559-06	9.206-02	1.872-08	2.233-03
-3.6	1.524-17	2.536-07	1.244-11	1.852-C7	3.615-01	1.683-06	8.692-02	1.194-08	2.180-03
-3.4	5.867-17	5.073-07	2.627-11	3.678-C7	3.485-01	1.118-06	8.075-02	7.640-09	2.108-03
-3.2	2.190-16	9.600-07	5.321-11	6.908-C7	3.318-01	7.484-07	7.377-02	4.928-09	2.014-03
-3.0	7.432-16	1.720-06	1.033-10	1.228-C6	3.116-01	5.044-07	6.633-02	3.167-09	1.899-03
-2.8	2.311-15	2.928-06	1.924-10	2.076-C6	2.882-01	3.414-07	5.876-02	2.053-09	1.763-03
-2.6	6.657-15	4.759-06	3.449-10	3.351-C6	2.625-01	2.315-07	5.138-02	1.336-09	1.613-03
-2.4	1.797-14	7.426-06	5.962-10	5.198-C6	2.354-01	1.569-07	4.439-02	8.730-10	1.452-03
-2.2	4.596-14	1.119-05	9.969-10	7.795-C6	2.080-01	1.062-07	3.795-02	5.719-10	1.287-03
-2.0	1.124-13	1.637-05	1.616-09	1.136-C5	1.813-01	7.175-08	3.216-02	3.755-10	1.126-03
-1.8	2.649-13	2.336-05	2.544-09	1.615-C5	1.561-01	4.833-08	2.703-02	2.470-10	9.717-04
-1.6	6.063-13	3.265-05	3.902-09	2.251-C5	1.328-01	3.248-08	2.256-02	1.627-10	8.293-04
-1.4	1.354-12	4.486-05	5.839-09	3.086-C5	1.120-01	2.178-08	1.871-02	1.073-10	7.008-04
-1.2	2.967-12	6.077-05	8.546-09	4.174-C5	9.368-02	1.459-08	1.544-02	7.095-11	5.875-04
-1.0	6.4 -12	8.188-05	1.225-08	5.585-C5	7.782-02	9.774-09	1.269-02	4.703-11	4.892-04
-.8	1.364-11	1.080-04	1.730-08	7.410-C5	6.430-02	6.553-09	1.041-02	3.128-11	4.052-04
-.6	2.879-11	1.422-04	2.404-08	9.766-C5	5.289-02	4.403-09	8.512-03	2.090-11	3.345-04
-.4	6.034-11	1.863-04	3.300-08	1.281-04	4.337-02	2.968-09	6.957-03	1.404-11	2.755-04
-.2	1.258-10	2.427-04	4.485-08	1.675-C4	3.546-02	2.010-09	5.688-03	9.510-12	2.268-04
.0	2.613-10	3.150-04	6.051-08	2.186-C4	2.894-02	1.370-09	4.656-03	6.502-12	1.869-04
.2	5.416-10	4.072-04	8.123-08	2.853-C4	2.357-0	9.408-10	3.823-03	4.500-12	1.545-04
.4	1.122-09	5.244-04	1.083-07	3.727-C4	1.917-02	6.522-10	3.154-03	3.163-12	1.285-04
.6	2.328-09	6.724-04	1.457-07	4.883-C4	1.556-02	4.574-10	2.620-03	2.267-12	1.078-04
.8	4.842-09	8.579-04	1.955-07	6.426-C4	1.261-02	3.257-10	2.196-03	1.670-12	9.154-05
1.0	1.012-08	1.089-03	2.636-07	8.515-C4	1.020-02	2.367-10	1.863-03	1.271-12	7.905-05
1.2	2.134-08	1.377-03	3.559-07	1.140-C3	8.258-03	1.772-10	1.605-03	1.011-12	6.976-05
1.4	4.563-08	1.743-03	4.908-07	1.547-C3	6.717-03	1.391-10	1.411-03	8.561-13	6.331-05
1.6	9.983-08	2.226-03	6.844-07	2.146-C3	5.541-03	1.182-10	1.277-03	7.950-13	5.980-05
1.8	2.277-07	2.926-03	9.855-07	3.042-03	4.721-03	1.158-10	1.209-03	8.601-13	5.938-05
2.0	5.625-07	4.116-03	1.521-06	4.789-03	4.323-03	1.504-10	1.241-03	1.242-12	6.663-05
2.2	1.669-06	6.920-03	2.805-06	8.853-03	4.774-03	4.029-10	1.535-03	3.681-12	9.216-05

T= 1360C

LOG C	E++	C+	C++	NE+	N	C	A	C	NE
-7.0	2.868-04	6.754-05	1.501-05	7.418-06	3.714-05	1.740-05	1.854-07	1.270-09	5.763-08
-6.8	1.890-04	7.248-05	1.020-05	7.378-06	5.898-05	2.734-05	3.091-07	2.156-09	1. 77-07
-6.6	1.233-04	7.599-05	6.761-06	7.308-06	9.353-05	4.340-05	5.043-07	3.571-09	2.158-07
-6.4	7.949-05	7.840-05	4.408-06	7.192-06	1.483-04	6.902-05	8.143-07	5.830-09	3.367-07
-6.2	5.088-05	8.000-05	2.843-06	7.013-06	2.350-04	1.093-04	1.306-06	9.618-09	5.187-07
-6.0	3.241-05	8.105-05	1.820-06	6.745-06	3.722-04	1.729-04	2.084-06	1.510-08	7.847-07
-5.8	2.059-05	8.174-05	1.160-06	6.360-06	5.893-04	2.736-04	3.315-06	2.411-08	1.179-06
-5.6	1.306-05	8.220-05	7.377-07	5.833-06	9.323-04	4.325-04	5.260-06	3.836-08	1.710-06
-5.4	8.278-06	8.252-05	4.686-07	5.158-06	1.474-03	6.828-04	8.331-06	6.069-08	2.391-06
-5.2	5.248-06	8.276-05	2.978-07	4.364-06	2.326-03	1.076-03	1.317-05	9.646-08	3.195-06
-5.0	3.330-06	8.297-05	1.895-07	3.515-06	3.662-03	1.690-03	2.075-05	1.529-07	4.059-06
-4.8	2.116-06	8.321-05	1.210-07	2.697-06	5.749-03	2.643-03	3.260-05	2.406-07	5.420-06
-4.6	1.348-06	8.351-05	7.757-08	1.984-06	8.958-03	4.104-03	5.096-05	3.785-07	7.269-06
-4.4	8.624-07	8.391-05	5.009-08	1.413-06	1.393-02	6.389-03	7.909-05	5.931-07	9.274-06
-4.2	5.545-07	8.449-05	3.267-08	9.869-07	2.137-02	9.559-03	1.215-04	9.241-07	1.181-05
-4.0	3.591-07	8.529-05	2.160-08	6.843-07	3.232-02	1.420-02	1.840-04	1.429-06	1.227-05
-3.8	2.345-07	8.637-05	1.452-08	4.764-07	4.793-02	2.055-02	2.734-04	2.136-06	1.576-05
-3.6	1.547-07	8.774-05	9.968-09	3.360-07	6.937-02	2.884-02	3.857-04	3.000-06	1.941-05
-3.4	1.030-07	8.934-05	6.992-09	2.415-07	9.753-02	3.908-02	5.295-04	4.092-06	2.326-05
-3.2	6.923-08	9.103-05	5.010-09	1.775-07	1.328-01	5.105-02	7.044-04	5.442-06	2.748-05
-3.0	4.684-08	9.259-05	3.657-09	1.333-07	1.768-01	6.435-02	1.010-03	7.819-06	3.211-05
-2.8	3.183-08	9.374-05	2.709-09	1.021-07	2.226-01	7.846-02	1.291-03	1.419-05	3.710-05
-2.6	2.167-08	9.415-05	2.046-09	7.950-08	2.744-01	9.285-02	1.598-03	1.929-05	4.223-05
-2.4	1.475-08	9.355-05	1.522-09	6.269-08	3.283-01	1.070-01	1.920-03	2.557-05	4.677-05
-2.2	1.002-08	9.171-05	1.143-09	4.989-08	3.823-01	1.206-01	2.244-03	3.304-05	5.129-05
-2.0	6.788-09	8.856-05	8.552-10	3.995-08	4.346-01	1.333-01	2.553-03	4.161-05	5.579-05
-1.8	4.586-09	8.412-05	6.357-10	3.212-08	4.837-01	1.449-01	2.836-03	5.112-05	6.026-05
-1.6	3.089-09	7.857-05	4.687-10	2.589-08	5.287-01	1.552-01	3.129-03	6.129-05	6.469-05
-1.4	2.077-09	7.216-05	3.424-10	2.090-08	5.688-01	1.643-01	3.375-03	7.183-05	6.907-05
-1.2	1.394-09	6.521-05	2.478-10	1.688-08	6.039-01	1.721-01	3.591-03	8.239-05	7.341-05
-1.0	9.362-10	5.804-05	1.779-10	1.365-08	6.340-01	1.788-01	3.773-03	9.269-05	7.770-05
-.8	6.293-10	5.097-05	1.267-10	1.104-08	6.593-01	1.845-01	3.940-03	1.024-04	8.195-05
-.6	4.243-10	4.424-05	8.983-11	8.941-09	6.801-01	1.892-01	4.078-03	1.115-04	8.616-05
-.4	2.874-10	3.801-05	6.347-11	7.251-09	6.966-01	1.932-01	4.197-03	1.196-04	9.036-05
-.2	1.960-10	3.241-05	4.482-11	5.894-09	7.089-01	1.966-01	4.300-03	1.269-04	9.453-05
.0	1.349-10	2.748-05	3.173-11	4.807-09	7.171-01	1.995-01	4.393-03	1.334-04	9.871-05
.2	9.408-11	2.323-05	2.261-11	3.939-09	7.207-01	2.021-01	4.482-03	1.390-04	1.029-04
.4	6.673-11	1.962-05	1.627-11	3.249-09	7.191-01	2.045-01	4.574-03	1.440-04	1.070-04
.6	4.841-11	1.660-05	1.189-11	2.704-09	7.112-01	2.070-01	4.676-03	1.483-04	1.110-04
.8	3.617-11	1.412-05	8.877-12	2.275-09	6.960-01	2.095-01	4.795-03	1.520-04	1.150-04
1.0	2.809-11	1.208-05	6.815-12	1.942-09	6.723-01	2.120-01	4.943-03	1.549-04	1.189-04
1.2	2.298-11	1.043-05	5.433-12	1.687-09	6.394-01	2.145-01	5.122-03	1.565-04	1.227-04
1.4	2.020-11	9.110-06	4.566-12	1.498-09	5.974-01	2.169-01	5.335-03	1.560-04	1.264-04
1.6	1.973-11	8.087-06	4.158-12	1.368-09	5.473-01	2.192-01	5.584-03	1.524-04	1.298-04
1.8	2.286-11	7.390-06	4.342-12	1.303-09	4.904-01	2.158-01	5.862-03	1.445-04	1.329-04
2.0	3.623-11	7.188-06	5.941-12	1.336-09	4.286-01	2.108-01	6.163-03	1.314-04	2.901-05
2.2	1.225-10	8.316-06	1.648-11	1.642-09	3.631-01	1.992-01	6.462-03	1.134-04	2.105-05

T= 1360C

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.019-01	3.99679+C0	3.86630+C1	4.26598+01	1.29181+02	-4.70090+00	3.99713+00
-6.8	5.012-01	3.99693+C0	3.85128+C1	4.25038+01	1.27162+02	-4.50153+00	3.99742+00
-6.6	5.007-01	3.99710+C0	3.84148+C1	4.24019+01	1.25257+02	-4.30195+00	3.99763+00
-6.4	5.004-01	3.99436+C0	3.83695+01	4.23339+C1	1.23356+02	-4.10225+00	3.98503+00
-6.2	5.001-01	3.95223+C0	3.83037+01	4.22855+01	1.21476+02	-3.90248+00	3.98307+00
-6.0	4.999-01	3.98030+C0	3.82679+01	4.22482+C1	1.19607+02	-3.70259+00	3.98134+00
-5.8	4.997-01	3.97818+C0	3.82346+01	4.22128+01	1.17741+02	-3.50292+00	3.97949+00
-5.6	4.994-01	3.97546+C0	3.81969+01	4.21724+01	1.15872+02	-3.30322+00	3.97712+00
-5.4	4.990-01	3.97165+C0	3.81470+01	4.21187+01	1.13992+02	-3.10364+00	3.97373+00
-5.2	4.983-01	3.96602+C0	3.80750+01	4.20410+01	1.12092+02	-2.90425+00	3.96863+00
-5.0	4.973-01	3.95754+00	3.79666+01	4.19242+C1	1.10159+02	-2.70518+00	3.96041+00
-4.8	4.958-01	3.94469+C0	3.78016+01	4.17462+C1	1.08176+02	-2.50659+00	3.94876+00
-4.6	4.936-01	3.92530+C0	3.75509+01	4.14762+01	1.06111+02	-2.30873+00	3.93036+00
-4.4	4.898-01	3.89645+C0	3.71751+01	4.10716+01	1.03936+02	-2.11194+00	3.90268+00
-4.2	4.845-01	3.85444+C0	3.66246+01	4.04790+01	1.01598+02	-1.91665+00	3.86203+00
-4.0	4.767-01	3.79516+C0	3.58439+01	3.96390+C1	9.90554+01	-1.72338+00	3.80428+00
-3.8	4.656-01	3.71501+C0	3.47836+C1	3.84586+01	9.62651+01	-1.53265+00	3.72575+00
-3.6	4.507-01	3.61215+C0	3.34181+01	3.70302+01	9.32116+01	-1.34484+00	3.62450+00
-3.4	4.314-01	3.48773+C0	3.17613+01	3.52469+C1	8.99193+01	-1.16006+00	3.50157+00
-3.2	4.077-01	3.34627+C0	2.98724+01	3.32187+01	8.64563+01	-9.78050-01	3.36131+00
-3.0	3.799-01	3.19476+C0	2. 8447+01	3.10394+01	8.29222+01	-7.98170-01	3.21057+00
-2.8	3.488-01	3.04107+C0	2.57836+01	2.88247+01	7.94251+01	-6.19580-01	3.05745+00
-2.6	3.156-01	2.89239+C0	2.37854+01	2.66778+01	7.60611+01	-4.41350-01	2.90885+00
-2.4	2.813-01	2.75408+C0	2.19231+01	2.46771+01	7.28592+01	-2.62630-01	2.77023+00
-2.2	2.474-01	2.62947+C0	2.02421+01	2.28716+01	6.99793+01	-8.27400-02	2.66516+00
-2.0	2.147-01	2.52005+C0	1.87635+01	2.12835+01	6.73156+01	9.88000-02	2.53502+00
-1.8	1.842-01	2.42588+C0	1.74883+01	1.99148+01	6.49028+01	2.82260-01	2.44001+00
-1.6	1.564-01	2.34611+C0	1.64075+01	1.87536+01	6.27232+01	4.67740-01	2.35332+00
-1.4	1.316-01	2.27932+C0	1.55009+01	1.77802+01	6.07521+01	6.55200-01	2.29154+00
-1.2	1.099-01	2.22386+C0	1.47474+01	1.69713+01	5.89622+01	8.44520-01	2.23514+00
-1.0	9.118-02	2.17799+C0	1.41245+01	1.63025+01	5.73261+01	1.03545+00	2.18830+00
-.8	7.532-02	2.14002+C0	1.36102+01	1.57502+01	5.58177+01	1.22781+00	2.14934+00
-.6	6.199-02	2.10832+C0	1.31834+01	1.52917+01	5.44130+01	1.42133+00	2.11662+00
-.4	5.091-02	2.08130+C0	1.28245+01	1.49058+01	5.30896+01	1.61573+00	2.08850+00
-.2	4.177-02	2.05737+C0	1.25143+01	1.45717+01	5.18265+01	1.81070+00	2.06332+00
.0	3.427-02	2.03496+C0	1.22334+01	1.42782+01	5.06033+01	2.00593+00	2.03927+00
.2	2.816-02	2.01195+C0	1.19613+01	1.39732+01	4.93994+01	2.20101+00	2.01433+00
.4	2.324-02	1.98666+C0	1.16761+01	1.36628+01	4.81935+01	2.39552+00	1.98673+00
.6	1.924-02	1.95697+C0	1.13555+01	1.33125+01	4.69646+01	2.58898+00	1.95252+00
.8	1.605-02	1.92125+C0	1.09791+01	1.29004+01	4.56950+01	2.78048+00	1.91092+00
1.0	1.352-02	1.87867+C0	1.05337+01	1.24126+01	4.43763+01	2.97129+00	1.85988+00
1.2	1.151-02	1.83087+C0	1.00177+01	1.18486+01	4.30040+01	3.16005+00	1.79915+00
1.4	9.948-03	1.78041+C0	9.44358+00	1.12246+01	4.15988+01	3.34791+00	1.73012+00
1.6	8.664-03	1.73271+C0	8.83693+00	1.05676+01	4.01811+01	3.53612+00	1.66549+00
1.8	8.142-03	1.69459+C0	8.32785+00	9.91543+00	3.87785+01	3.72446+00	1.61711+00
2.0	7.995-03	1.67387+C0	7.63204+00	9.30591+00	3.74149+01	3.92111+00	1.59344+00
2.2	9.330-03	1.67576+C0	7.11066+00	8.78642+00	3.61231+01	4.12162+00	1.62507+00

T= 1370C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	NO+	O2+
-7.0	3.592-18	4.155-20	6.746-19	1.098-22	.CCC+CO	.CC+00	.000+00	4.219-14	1.471-15
-6.8	1.434-17	1.645-19	2.702-18	4.707-22	.CCC+CO	.CCC+00	.000+00	1.006-13	3.649-15
-6.6	5.714-17	6.529-19	1.074-17	1.969-21	.CCC+CO	.CCC+00	.000+00	3.987-13	9.254-15
-6.4	2.275-16	2.590-18	4.271-17	8.180-21	.CCC+CO	.CCC+00	.000+00	6.764-13	2.322-14
-6.2	9.055-16	1.028-17	1.697-16	3.297-20	.CCC+CO	.CCC+00	.000+00	1.701-12	5.823-14
-6.0	3.600-15	4.080-17	6.743-16	1.327-19	.CCC+CO	.CCC+00	.000+00	4.271-12	1.460-13
-5.8	1.430-14	1.614-16	2.676-15	5.315-19	.CCC+CO	.CCC+00	.000+00	1.072-11	3.658-13
-5.6	5.670-14	6.407-16	1.060-14	2.120-18	.CCC+CO	.CCC+00	.000+00	2.686-11	9.153-13
-5.4	2.246-13	2.530-15	4.192-14	8.421-18	.CCC+CO	.CCC+00	.000+00	6.723-11	2.286-12
-5.2	8.855-13	9.954-15	1.652-13	3.331-17	.CCC+CO	.CCC+00	.000+00	1.679-10	5.692-12
-5.0	3.478-12	3.892-14	6.473-13	1.310-16	.CCC+CO	.CCC+00	.000+00	4.181-10	1.411-11
-4.8	1.357-11	1.507-13	2.516-12	5.117-16	.CCC+CO	.CCC+00	.000+00	1.036-09	3.471-11
-4.6	5.236-11	5.755-13	9.657-12	1.977-15	.CCC+CO	.CCC+00	.000+00	2.549-09	8.448-11
-4.4	1.989-10	2.152-12	3.640-11	7.525-15	.CCC+CO	.CCC+00	.000+00	6.222-09	2.023-10
-4.2	7.330-10	7.837-12	1.336-10	2.831-14	.CCC+CO	CCC+00	.000+00	1.486-08	4.736-10
-4.0	2.659-09	2.717-11	4.723-10	1.012-13	.CCC+CC	CCC+00	.000+00	3.484-08	1.073-09
-3.8	9.175-09	8.353-11	1.559-09	3.511-13	.CCC+CC	.CCC+00	.000+00	7.931-08	2.334-09
-3.6	3.001-08	2.760-10	5.043-09	1.160-12	.CCC+CO	.CCC+00	.000+00	1.733-07	4.824-09
-3.4	9.214-08	7.990-10	1.506-08	3.619-12	.CCC+CO	.CCC+00	.000+00	3.946-07	9.416-09
-3.2	2.633-07	2.083-09	4.125-08	1.061-11	.CCC+CC	.CCC+00	.000+00	7.272-07	1.732-08
-3.0	7.030-07	5.040-09	1.052-07	2.925-11	.CCC+CO	.CCC+00	.000+00	1.376-06	3.006-08
-2.8	1.745-06	1.158-08	2.501-07	7.487-11	.CCC+CO	.CCC+00	.000+00	2.473-06	4.951-08
-2.6	4.052-06	2.474-08	5.573-07	1.880-10	.CCC+CO	.CCC+00	.000+00	4.229-06	7.794-08
-2.4	8.862-06	5.019-08	1.173-06	4.332-10	.CCC+CO	.CCC+00	.000+00	6.914-06	1.181-07
-2.2	1.83?e-05	9.725-08	2.352-06	9.625-10	.CCC+CC	.CCC+00	.000+00	1.066-05	1.732-07
-2.0	3.640-05	1.817-07	4.524-06	2.050-09	.CCC+CO	.CCC+00	.000+00	1.665-05	2.477-07
-1.8	6.932-05	3.292-07	8.604-06	4.262-09	.CCC+CO	.CCC+00	.000+00	2.420-05	3.465-07
-1.6	1.277-04	5.817-07	1.516-05	8.321-09	.CCC+CC	.CCC+00	.000+00	3.464-05	4.764-07
-1.4	2.298-04	1.007-06	2.671-05	1.597-08	.CCC+CC	.CCC+00	.000+00	4.865-05	6.458-07
-1.2	4.005-04	1.715-06	4.610-05	2.981-08	.CCC+CO	.CCC+00	.000+00	6.703-05	8.655-07
-1.0	6.876-04	2.879-06	7.828-05	5.426-08	.CCC+CO	.CCC+00	.000+00	9.101-05	1.150-06
-.8	1.161-03	4.781-06	1.311-04	9.665-08	.CCC+CO	.CCC+00	.000+00	1.221-04	1.516-06
-.6	1.934-03	7.866-06	2.170-04	1.689-07	.CCC+CO	.CCC+00	.000+00	1.621-04	1.984- 6
-.4	3.141-03	1.285-05	3.557-04	2.933-07	.CCC+CO	.CCC+00	.000+00	2.134-04	2.600-06
-.2	5.173-03	2.096-05	5.778-04	4.919-07	.CCC+CO	.CCC+00	.000+00	2.788-04	3.392-06
.0	8.314-03	3.369-05	9.310-04	8.237-07	.CCC+CC	.CCC+00	.000+00	3.615-04	4.422-06
.2	1.319-02	5.422-05	1.488-03	1.355-06	.CCC+CO	.CCC+00	.000+00	4.650-04	5.772-06
.4	2.062-02	8.696-05	2.355-03	2.243-06	.CCC+CO	.CCC+00	.000+00	5.924-04	7.553-06
.6	3.162-02	1.391-04	3.687-03	3.656-06	.CCC+CO	.CCC+00	.000+00	7.459-04	9.933-06
.8	4.735-02	2.219-04	5.697-03	5.915-06	.CCC+CO	.CCC+00	.000+00	9.257-04	1.316-05
1.0	6.891-02	3.528-04	8.694-03	9.486-06	.CCC+CO	.000+00	.000+00	1.130-03	1.760-05
1.2	9.703-02	5.598-04	1.293-02	1.505-05	.C3C+00	.000+00	.000+00	1.358-03	2.387-05
1.4	1.318-01	8.797-04	1.849-02	2.351-05	.CCC+CO	.000+00	.000+00	1.614-03	3.303-05
1.6	1.727-01	1.373-03	2.696-02	3.594-05	.CCC+CC	.CCC+00	.CCC+00	1.920-03	4.709-05
1.8	2.183-01	2.117-03	3.755-02	5.331-05	.CCC+CO	.000+00	.000+00	2.341-03	7.052-05
2.0	2.669-01	3.203-03	5.049-02	7.603-05	.CCC+CO	.000+00	.000+00	3.074-03	1.154-04
2.2	3.155-01	4.651-03	6.636-02	1.023-04	.CCC+CO	.000+00	.000+00	4.356-03	2.298-04

T= 1370C

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.127-31	6.064-14	2.121-18	4.919-14	3.861-01	4.264-03	1.048-01	3.533-05	2.001-03
-6.8	5.709-30	1.526-13	5.757-18	1.229-13	3.843-01	2.716-33	1.050-01	2.241-05	2.115-03
-6.6	3.590-29	3.939-13	1.524-17	3.077-13	3.897-01	1.724-03	1.051-01	1.419-05	2.195-03
-6.4	2.249-28	9.666-13	3.941-17	7.709-13	3.906-01	1.093-03	1.052-01	8.978-06	2.268-03
-6.2	1.413-27	2.422-12	1.017-16	1.932-12	3.911-01	6.914-04	1.052-01	5.675-06	2.283-03
-6.0	8.882-27	6.074-12	2.589-16	4.842-12	3.914-01	4.373-04	1.052-01	3.586-06	2.305-03
-5.8	5.577-26	1.524-11	6.554-16	1.213-11	3.916-01	2.765-04	1.052-01	2.266-06	2.319-03
-5.6	3.496-25	3.817-11	1.652-15	3.036-11	3.916-01	1.749-04	1.051-01	1.432-06	2.328-03
-5.4	2.185-24	9.542-11	4.150-15	7.596-11	3.915-01	1.106-04	1.049-01	9.047-07	2.332-03
-5.2	1.359-23	2.380-10	1.039-14	1.891-10	3.912-0	7.001-05	1.047-01	5.718-07	2.335-03
-5.0	8.390-23	5.911-10	2.591-14	4.694-10	3.907-01	4.437-05	1.043-01	3.615-07	2.334-03
-4.8	5.121-22	1.460-09	6.428-14	1.158-09	3.899-01	2.817-05	1.038-01	2.287-07	2.332-03
-4.6	3.073-21	3.571-09	1.583-13	2.831-09	3.887-01	1.792-05	1.029-01	1.448-07	2.326-03
-4.4	1.797-20	8.623-09	3.859-13	6.823-09	3.868-01	1.145-05	1.016-01	9.171-08	2.317-03
-4.2	1.013-19	2.042-08	9.268-13	1.612-08	3.838-01	7.345-06	9.960-02	5.816-08	2.301-03
-4.0	5.628-19	4.707-08	2.180-12	3.703-08	3.794-01	4.743-06	9.681-02	3.693-08	2.278-03
-3.8	2.721-18	1.047-07	4.993-12	8.200-08	3.729-01	3.087-06	9.301-02	2.349-08	2.244-03
-3.6	1.256-17	2.229-07	1.106-11	1.736-07	3.639-01	2.028-06	8.811-02	1.498-08	2.196-03
-3.4	5.285-17	4.510-07	2.355-11	3.487-07	3.516-01	1.344-06	8.214-02	9.583-09	2.128-03
-3.2	2.015-16	8.637-07	4.812-11	6.828-07	3.357-01	8.389-07	7.531-02	6.153-09	2.041-03
-3.0	6.973-16	1.564-06	9.419-11	1.192-06	3.162-01	6.054-07	6.794-02	3.964-09	1.931-03
-2.8	2.207-15	2.693-06	1.749-10	2.036-06	2.935-01	4.096-07	6.038-02	2.571-09	1.800-03
-2.6	6.457-15	4.419-06	3.196-10	3.318-06	2.682-01	2.778-07	5.296-02	1.673-09	1.653-03
-2.4	1.766-14	6.954-06	5.559-10	5.149-06	2.414-01	1.885-07	4.566-02	1.043-09	1.494-03
-2.2	4.566-14	1.056-05	9.352-10	7.835-06	2.140-01	1.278-07	3.930-02	7.161-10	1.330-03
-2.0	1.127-13	1.554-05	1.524-09	1.148-05	1.871-01	9.642-08	3.337-02	4.733-10	1.167-03
-1.8	2.676-13	2.229-05	2.413-09	1.641-05	1.615-01	5.830-08	2.810-02	3.095-10	1.011-03
-1.6	6.161-13	3.129-05	3.717-09	2.297-05	1.378-01	3.924-08	2.349-02	2.040-10	8.652-04
-1.4	1.383-12	4.314-05	5.585-09	3.161-05	1.165-01	2.636-08	1.951-02	1.347-10	7.332-04
-1.2	3.043-12	5.862-05	8.206-09	4.288-05	9.760-02	1.768-08	1.612-02	8.913-11	6.155-04
-1.0	6.598-12	7.872-05	1.182-08	5.753-05	8.122-02	1.186-08	1.327-02	5.913-11	5.139-04
-.8	1.408-11	1.047-04	1.672-08	7.648-05	6.721-02	7.964-09	1.089-02	3.937-11	4.244-04
-.6	2.979-11	1.382-04	2.329-08	1.010-04	5.536-02	5.359-09	8.915-03	2.633-11	3.526-04
-.4	6.254-11	1.812-04	3.205-08	1.327-04	4.545-02	3.614-09	7.292-03	1.771-11	2.906-04
-.2	1.306-10	2.369-04	4.365-08	1.737-04	3.720-02	2.455-09	5.965-03	1.201-11	2.395-04
.0	2.716-10	3.074-04	5.899-08	2.269-04	3.040-02	1.676-09	4.886-03	8.218-12	1.975-04
.2	5.638-10	3.981-04	7.932-08	2.964-04	2.479-02	1.153-09	4.014-03	5.694-12	1.634-04
.4	1.169-09	5.136-04	1.064-07	3.874-04	2.019-02	8.014-10	3.312-03	4.008-12	1.359-04
.6	2.428-09	6.599-04	1.426-07	5.077-04	1.642-02	5.638-10	2.751-03	2.879-12	1.141-04
.8	5.055-09	8.440-04	1.918-07	6.687-04	1.353-02	4.029-10	2.307-03	2.123-12	9.647-05
1.0	1.058-08	1.075-03	2.592-07	8.864-04	1.082-02	2.962-10	1.959-03	1.620-12	8.364-05
1.2	2.232-08	1.364-03	3.529-07	1.187-03	9.793-03	2.219-10	1.659-03	1.293-12	7.381-05
1.4	4.775-08	1.733-03	4.861-07	1.611-03	7.170-03	1.752-10	1.466-03	1.100-12	6.708-05
1.6	1.046-07	2.225-03	6.824-07	2.237-03	5.540-03	1.502-10	1.347-03	1.028-12	6.344-05
1.8	2.391-07	2.960-03	9.904-07	3.227-03	5.088-03	1.489-10	1.273-03	1.123-12	6.379-05
2.0	5.924-07	4.166-03	1.545-06	5.012-03	4.691-03	1.973-10	1.313-03	1.651-12	7.118-05
2.2	1.771-06	7.091-03	2.900-06	9.345-03	5.250-03	5.546-10	1.649-03	5.120-12	9.976-05

T= 137CC

LOG t	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	3.334-04	6.560-05	1.709-05	7.423-06	3.362-05	1.586-05	1.640-07	1.137-04	7.534-08
-6.8	2.232-04	7.090-05	1.173-05	7.333-06	5.341-05	2.494-05	2.737-07	1.947-04	1.134-07
-6.6	1.465-04	7.488-05	7.940-06	7.333-06	8.474-05	3.955-05	4.499-07	3.251-04	1.873-07
-6.4	9.483-05	7.749-05	5.139-06	7.234-06	1.344-04	6.262-05	7.275-07	5.334-04	2.924-07
-6.2	6.046-05	7.930-05	3.325-06	7.079-06	2.130-04	9.913-05	1.169-06	8.644-04	4.528-07
-6.0	3.884-05	8.073-05	2.134-06	6.841-06	3.376-04	1.569-04	1.864-06	1.389-03	6.927-07
-5.8	2.470-05	8.153-05	1.362-06	6.496-06	5.362-04	2.483-04	2.976-06	2.221-03	1.044-06
-5.6	1.567-05	8.206-05	8.669-07	6.016-06	8.453-04	3.925-04	4.727-06	3.537-03	1.526-06
-5.4	9.939-06	8.242-05	5.510-07	5.387-06	1.336-03	6.198-04	7.441-06	5.618-03	2.150-06
-5.2	6.301-06	8.269-05	3.501-07	4.626-06	2.110-03	9.771-04	1.164-05	8.904-03	2.931-06
-5.0	3.998-06	8.291-05	2.225-07	3.788-06	3.324-03	1.535-03	1.864-05	1.409-02	3.794-06
-4.8	2.540-06	8.314-05	1.421-07	2.950-06	5.222-03	2.405-03	2.938-05	2.223-02	4.641-06
-4.6	1.618-06	8.342-05	9.102-08	2.194-06	8.167-03	3.740-03	4.528-05	3.500-02	5.426-06
-4.4	1.034-06	8.380-05	5.968-08	1.581-06	1.269-02	5.764-03	7.144-05	5.438-02	6.092-06
-4.2	6.643-07	8.433-05	3.819-08	1.111-06	1.952-02	8.762-03	1.101-04	8.562-02	6.637-06
-4.0	4.296-07	8.509-05	2.517-08	7.726-07	2.961-02	1.304-02	1.673-04	1.326-01	7.084-06
-3.8	2.802-07	8.608-05	1.696-08	5.378-07	4.412-02	1.954-02	2.498-04	2.033-01	7.474-06
-3.6	1.845-07	8.737-05	1.152-08	3.756-07	6.421-02	2.690-02	3.645-04	3.078-01	7.845-06
-3.4	1.227-07	8.891-05	8.042-09	2.710-07	9.096-02	3.673-02	5.175-04	4.587-01	8.228-06
-3.2	8.241-08	9.055-05	5.737-09	1.983-07	1.246-01	4.938-02	7.126-04	6.709-01	8.644-06
-3.0	5.574-08	9.212-05	4.172-09	1.491-07	1.652-01	6.140-02	9.497-04	9.608-01	9.100-06
-2.8	3.789-08	9.333-05	3.082-09	1.132-07	2.118-01	7.533-02	1.222-03	1.345-00	9.594-06
-2.6	2.582-08	9.386-05	2.300-09	8.788-08	2.628-01	8.974-02	1.523-03	1.836-00	1.011-05
-2.4	1.760-08	9.342-05	1.727-09	6.914-08	3.164-01	1.040-01	1.842-03	2.445-00	1.065-05
-2.2	1.198-08	9.180-05	1.297-09	5.494-08	3.705-01	1.177-01	2.165-03	3.173-00	1.118-05
-2.0	8.131-09	8.886-05	9.712-10	4.396-08	4.233-01	1.306-01	2.484-03	4.014-00	1.168-05
-1.8	5.504-09	8.464-05	7.230-10	3.533-08	4.732-01	1.424-01	2.786-03	4.952-00	1.216-05
-1.6	3.715-09	7.927-05	5.339-10	2.847-08	5.191-01	1.530-01	3.066-03	5.960-00	1.260-05
-1.4	2.502-09	7.300-05	3.908-10	2.298-08	5.602-01	1.624-01	3.318-03	7.011-00	1.299-05
-1.2	1.683-09	6.614-05	2.835-10	1.857-08	5.964-01	1.705-01	3.541-03	8.069-00	1.333-05
-1.0	1.132-09	5.902-05	2.039-10	1.502-08	6.275-01	1.774-01	3.735-03	9.104-00	1.363-05
-.8	7.622-10	5.195-05	1.457-10	1.215-08	6.538-01	1.833-01	3.903-03	1.009-01	1.389-05
-.6	5.146-10	4.517-05	1.035-10	9.844-09	6.755-01	1.882-01	4.046-03	1.106-01	1.412-05
-.4	3.491-10	3.889-05	7.325-11	7.986-09	6.929-01	1.923-01	4.169-03	1.194-01	1.432-05
-.2	2.384-10	3.321-05	5.184-11	6.493-09	7.061-01	1.958-01	4.276-03	1.258-01	1.450-05
.0	1.643-10	2.820-05	3.678-11	5.297-09	7.150-01	1.988-01	4.372-03	1.324-01	1.467-05
.2	1.147-10	2.387-05	2.625-11	4.341-09	7.194-01	2.015-01	4.462-03	1.381-01	1.485-05
.4	8.150-11	2.018-05	1.884-11	3.581-09	7.197-01	2.039-01	4.554-03	1.432-01	1.506-05
.6	5.920-11	1.710-05	1.387-11	2.979-09	7.120-01	2.063-01	4.655-03	1.476-01	1.532-05
.8	4.431-11	1.456-05	1.039-11	2.507-09	6.979-01	2.088-01	4.774-03	1.514-01	1.564-05
1.0	3.449-11	1.248-05	8.003-12	2.140-09	6.755-01	2.113-01	4.917-03	1.545-01	1.606-05
1.2	2.830-11	1.081-05	6.413-12	1.859-09	6.439-01	2.137-01	5.092-03	1.563-01	1.659-05
1.4	2.498-11	9.473-06	5.430-12	1.652-09	6.031-01	2.156-01	5.302-03	1.562-01	1.724-05
1.6	2.456-11	8.457-06	4.996-12	1.511-09	5.538-01	2.164-01	5.547-03	1.531-01	1.802-05
1.8	2.873-11	7.793-06	5.294-12	1.443-09	4.974-01	2.150-01	5.823-03	1.459-01	1.891-05
2.0	4.432-11	7.660-06	7.415-12	1.487-09	4.357-01	2.101-01	6.121-03	1.335-01	1.989-05
2.2	1.640-10	9.026-06	2.168-11	1.850-09	3.699-01	1.984-01	6.416-03	1.163-01	2.093-05

T= 137CC

LOG t	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.023-01	4.CCCC1+CC	3.45167+01	4.25167+01	1.29317+02	-4.69736+00	4.00034+00
-6.8	5.014-01	3.99308+00	3.43377+01	4.23307+01	1.27298+02	-4.69812+00	3.99353+00
-6.6	5.009-01	3.98847+00	3.42210+01	4.22095+01	1.25344+02	-4.69862+00	3.98906+00
-6.4	5.005-01	3.98529+00	3.41440+01	4.21293+01	1.23431+02	-4.69897+00	3.98595+00
-6.2	5.002-01	3.98290+00	3.40911+01	4.20746+01	1.21543+02	-3.83923+00	3.98373+00
-6.0	5.000-01	3.98085+00	3.40514+01	4.20323+01	1.19670+02	-3.63945+00	3.98189+00
-5.8	4.998-01	3.97872+00	3.40167+01	4.19954+01	1.17802+02	-3.44968+00	3.98003+00
-5.6	4.995-01	3.97612+00	3.39796+01	4.19555E+01	1.15933+02	-3.29997+00	3.97776+00
-5.4	4.991-01	3.97256+00	3.39327+01	4.19052+01	1.14056+02	-3.19036+00	3.97462+00
-5.2	4.985-01	3.96735+00	3.38666+01	4.18337+01	1.12162+02	-2.96092+00	3.96996+00
-5.0	4.976-01	3.95956+00	3.37675+01	4.17271+01	1.10237+02	-2.70178+00	3.96279+00
-4.8	4.962-01	3.94776+00	3.36174+01	4.15652+01	1.08266+02	-2.50308+00	3.95173+00
-4.6	4.940-01	3.92995+00	3.33893+01	4.13192+01	1.06224+02	-2.30504+00	3.93496+00
-4.4	4.907-01	3.90336+00	3.30662+01	4.09696+01	1.04077+02	-2.10799+00	3.90956+00
-4.2	4.858-01	3.86644+00	3.26409+01	4.04854+01	1.01782+02	-1.91234+00	3.87203+00
-4.0	4.786-01	3.80917+00	3.20188+01	3.98288+01	9.92928+01	-1.71860+00	3.81829+00
-3.8	4.693-01	3.73369+00	3.12885+01	3.85622+01	9.65649+01	-1.52723+00	3.74449+00
-3.6	4.543-01	3.63569+00	3.05378+01	3.71734+01	9.35765+01	-1.33884+00	3.64819+00
-3.4	4.359-01	3.51563+00	3.19512+01	3.54669+01	9.03465+01	-1.15362+00	3.52973+00
-3.2	4.132-01	3.37733+00	3.01184+01	3.34957+01	8.69522+01	-9.73450-01	3.39272+00
-3.0	3.862-01	3.22737+00	2.81242+01	3.13835+01	8.34087+01	-7.95587-01	3.24474+00
-2.8	3.558-01	3.07356+00	2.60746+01	2.91522+01	7.99100+01	-6.11780-01	3.08052+00
-2.6	3.229-01	2.92337+00	2.40746+01	2.69975+01	7.65255+01	-4.33560-01	2.92049+00
-2.4	2.888-01	2.78255+00	2.21920+01	2.49745+01	7.33297+01	-2.56496-01	2.77363+00
-2.2	2.547-01	2.65688+00	2.04820+01	2.31368+01	7.03642+01	-7.53406-02	2.64713+00
-2.0	2.217-01	2.54220+00	1.89693+01	2.15121+01	6.76603+01	1.05780-01	2.55736+00
-1.8	1.907-01	2.44484+00	1.76613+01	2.01061+01	6.52040+01	2.88920-01	2.46975+00
-1.6	1.623-01	2.36711+00	1.65476+01	1.89095+01	6.29838+01	4.73387-01	2.37664+00
-1.4	1.368-01	2.29269+00	1.56113+01	1.79046+01	6.09762+01	6.60952-01	2.30567+00
-1.2	1.145-01	2.23444+00	1.48320+01	1.70466+01	5.91551+01	8.49846-01	2.24694+00
-1.0	9.518-02	2.18774+00	1.41869+01	1.63174+01	5.74922+01	1.04065+00	2.19410+00
-.8	7.872-02	2.14759+00	1.36561+01	1.58017+01	5.59616+01	1.23252+00	2.15752+00
-.6	6.498-02	2.11462+00	1.32125+01	1.53271+01	5.45387+01	1.42581+00	2.12530+00
-.4	5.333-02	2.08665+00	1.28421+01	1.49287+01	5.32011+01	1.62052+00	2.09843+00
-.2	4.379-02	2.06207+00	1.25236+01	1.45957+01	5.19276+01	1.81668+00	2.06852+00
.0	3.595-02	2.03923+00	1.22379+01	1.42771+01	5.06975+01	2.01430+00	2.04411+00
.2	2.956-02	2.01632+00	1.19645+01	1.39606+01	4.94902+01	2.21351+00	2.01415+00
.4	2.438-02	1.99138+00	1.16818+01	1.36731+01	4.82866+01	2.41433+00	1.98138+00
.6	2.021-02	1.96241+00	1.13673+01	1.33297+01	4.70536+01	2.59336+00	1.95835+00
.8	1.686-02	1.92769+00	1.10003+01	1.29286+01	4.57967+01	2.79461+00	1.91772+00
1.0	1.421-02	1.88945+00	1.05662+01	1.24527+01	4.44461+01	2.97622+00	1.88777+00
1.2	1.212-02	1.83452+00	1.00615+01	1.19011+01	4.31214+01	3.16728+00	1.83886+00
1.4	1.050-02	1.78185+00	9.49688+00	1.12567+01	4.17204+01	3.3533+00	1.7848+00
1.6	9.314-03	1.74250+00	8.89423+00	1.06367+01	4.03753+01	3.54175+00	1.74441+00
1.8	8.564-03	1.70426+00	8.28264+00	9.99446+00	3.90026+01	3.73211+00	1.58671+00
2.0	8.433-03	1.68284+00	7.86937+00	9.37666+00	3.75327+01	3.92663+00	1.50836+00
2.2	9.040-03	1.69103+00	7.17283+00	8.65766+00	3.62375+01	4.12567+00	1.43345+00

T= 13000

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2O	O2O
-7.0	2.775-10	3.[illegible]-20	5.[illegible]-19	8.339-23	.000+00	.000+00	.000+00	3.528-14	1.232-15
-6.8	1.159-19	1.929-19	2.149-18	3.648-22	.000+00	.000+00	.000+00	9.179-14	3.219-15
-6.6	4.821-19	9.254-19	8.918-18	1.521-21	.000+00	.000+00	.000+00	2.315-13	8.121-15
-6.4	1.961-18	2.084-18	3.367-17	6.249-21	.000+00	.000+00	.000+00	5.831-13	2.037-14
-6.2	7.608-18	8.274-18	1.344-16	2.561-20	.000+00	.000+00	.000+00	1.447-12	5.110-14
-6.0	2.987-17	3.284-17	5.367-16	1.038-19	.000+00	.000+00	.000+00	3.686-12	1.281-13
-5.8	1.137-16	1.302-16	2.122-15	4.160-19	.000+00	.000+00	.000+00	9.268-12	3.211-13
-5.6	4.392-16	5.159-16	8.413-15	1.661-18	.000+00	.000+00	.000+00	2.319-11	8.036-13
-5.4	1.739-15	2.038-15	3.328-14	6.609-18	.000+00	.000+00	.000+00	5.835-11	2.008-12
-5.2	6.867-15	8.026-15	1.312-13	2.619-17	.000+00	.000+00	.000+00	1.451-10	5.003-12
-5.0	2.700-14	3.142-14	5.149-13	1.030-16	.000+00	.000+00	.000+00	3.614-10	1.241-11
-4.8	1.055-13	1.220-13	2.005-12	4.030-16	.000+00	.000+00	.000+00	8.966-10	3.060-11
-4.6	4.081-13	4.671-13	7.720-12	1.561-15	.000+00	.000+00	.000+00	2.229-09	7.646-11
-4.4	1.556-12	1.756-12	2.922-11	5.962-15	.000+00	.000+00	.000+00	5.341-09	1.797-10
-4.2	5.812-12	6.416-12	1.079-10	2.231-14	.000+00	.000+00	.000+00	1.247-08	4.226-10
-4.0	2.107-11	2.256-11	3.853-10	8.113-14	.000+00	.000+00	.000+00	3.055-08	9.647-10
-3.8	7.340-11	7.522-11	1.313-09	2.861-13	.000+00	.000+00	.000+00	7.002-08	2.118-09
-3.6	2.425-10	2.353-10	4.227-09	9.485-13	.000+00	.000+00	.000+00	1.548-07	4.426-09
-3.4	7.564-10	6.837-10	1.271-08	2.995-12	.000+00	.000+00	.000+00	3.279-07	8.747-09
-3.2	2.179-09	1.935-09	3.551-08	8.837-12	.000+00	.000+00	.000+00	6.811-07	1.629-08
-3.0	5.943-09	4.556-09	9.201-08	2.68.-11	.000+00	.000+00	.000+00	1.265-06	2.951-08
-2.8	1.498-08	1.052-08	2.218-07	6.515-11	.000+00	.000+00	.000+00	2.298-06	4.763-08
-2.6	3.526-08	2.276-08	5.007-07	1.615-10	.000+00	.000+00	.000+00	3.971-06	7.565-08
-2.4	7.804-08	4.661-08	1.066-06	3.796-10	.000+00	.000+00	.000+00	6.552-06	1.155-07
-2.2	1.676-07	9.113-08	2.158-06	8.507-10	.000+00	.000+00	.000+00	1.037-05	1.704-07
-2.0	3.270-07	1.715-07	4.185-06	1.826-09	.000+00	.000+00	.000+00	1.584-05	2.451-07
-1.8	6.276-07	3.125-07	7.828-06	3.767-09	.000+00	.000+00	.000+00	2.343-05	3.444-07
-1.6	1.164-06	5.550-07	1.421-05	7.504-09	.000+00	.000+00	.000+00	3.377-05	4.753-07
-1.4	2.097-06	9.649-07	2.514-05	1.448-08	.000+00	.000+00	.000+00	4.758-05	6.462-07
-1.2	3.687-06	1.648-06	4.357-05	2.714-08	.000+00	.000+00	.000+00	6.582-05	8.693-07
-1.0	6.354-06	2.775-06	7.422-05	4.961-08	.000+00	.000+00	.000+00	8.966-05	1.156-06
-.8	1.077-05	4.617-06	1.246-04	8.868-08	.000+00	.000+00	.000+00	1.206-04	1.527-06
-.6	1.798-05	7.610-06	2.068-04	1.554-07	.000+00	.000+00	.000+00	1.605-04	2.006-06
-.4	2.964-05	1.245-05	3.395-04	2.678-07	.000+00	.000+00	.000+00	2.119-04	2.626-06
-.2	4.831-05	2.023-05	5.525-04	4.548-07	.000+00	.000+00	.000+00	2.773-04	3.429-06
.0	7.782-05	3.271-05	8.917-04	7.628-07	.000+00	.000+00	.000+00	3.604-04	4.475-06
.2	1.238-04	5.267-05	1.427-03	1.266-06	.000+00	.000+00	.000+00	4.647-04	5.845-06
.4	1.939-04	8.451-05	2.262-03	2.083-06	.000+00	.000+00	.000+00	5.937-04	7.654-06
.6	2.983-04	1.352-04	3.548-03	3.399-06	.000+00	.000+00	.000+00	7.501-04	1.007-05
.8	4.485-04	2.157-04	5.494-03	5.506-06	.000+00	.000+00	.000+00	9.349-04	1.335-05
1.0	6.557-04	3.431-04	8.373-03	8.445-06	.000+00	.000+00	.000+00	1.147-03	1.787-05
1.2	9.280-04	5.435-04	1.253-02	1.404-05	.000+00	.000+00	.000+00	1.387-03	2.427-05
1.4	1.267-03	8.557-04	1.835-02	2.202-05	.000+00	.000+00	.000+00	1.659-03	3.363-05
1.6	1.669-01	1.336-03	2.627-02	3.378-05	.000+00	.000+00	.000+00	1.987-03	4.806-05
1.8	2.120-01	2.061-03	3.669-02	5.037-05	.000+00	.000+00	.000+00	2.442-03	7.221-05
2.0	2.604-01	3.119-03	4.985-02	7.225-05	.000+00	.000+00	.000+00	3.236-03	1.188-04
2.2	3.090-01	4.519-03	6.503-02	9.771-05	.000+00	.000+00	.000+00	5.248-03	2.399-04

T= 13000

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	7.508-31	5.126-14	1.771-18	4.437-14	3.848-01	5.138-03	1.047-01	4.411-05	1.945-03
-6.8	4.689-30	1.291-13	4.858-18	1.108-13	3.875-01	3.278-03	1.050-01	2.801-05	2.075-03
-6.6	2.938-29	3.245-13	1.296-17	2.771-13	3.892-01	2.084-03	1.051-01	1.775-05	2.167-03
-6.4	1.844-28	8.164-13	3.387-17	6.938-13	3.902-01	1.321-03	1.052-01	1.123-05	2.229-03
-6.2	1.159-27	2.050-12	8.729-17	1.739-12	3.909-01	8.366-04	1.052-01	7.102-06	2.271-03
-6.0	7.280-27	5.145-12	2.228-16	4.357-12	3.913-01	5.292-04	1.052-01	4.488-06	2.297-03
-5.8	4.572-26	1.291-11	5.650-16	1.092-11	3.915-01	3.347-04	1.052-01	2.836-06	2.314-03
-5.6	2.867-25	3.233-11	1.426-15	2.733-11	3.916-01	2.116-04	1.051-01	1.792-06	2.325-03
-5.4	1.793-24	8.087-11	3.585-15	6.831-11	3.915-01	1.339-04	1.050-01	1.132-06	2.331-03
-5.2	1.116-23	2.018-10	8.982-15	1.704-10	3.913-01	8.474-05	1.048-01	7.158-07	2.334-03
-5.0	6.905-23	5.017-10	2.242-14	4.234-10	3.908-01	5.369-05	1.044-01	4.526-07	2.334-03
-4.8	4.226-22	1.241-09	5.570-14	1.046-09	3.901-01	3.408-05	1.039-01	2.863-07	2.332-03
-4.6	2.546-21	3.042-09	1.374-13	2.562-09	3.890-01	2.167-05	1.031-01	1.812-07	2.328-03
-4.4	1.498-20	7.368-09	3.358-13	6.197-09	3.872-01	1.383-05	1.019-01	1.148-07	2.319-03
-4.2	8.519-20	1.753-08	8.092-13	1.471-08	3.845-01	8.867-06	1.001-01	7.279-08	2.306-03
-4.0	4.619-19	4.067-08	1.913-12	3.401-08	3.805-01	5.719-06	9.748-02	4.622-08	2.285-03
-3.8	2.350-18	9.121-08	4.406-12	7.596-08	3.745-01	3.717-06	9.330-02	2.940-08	2.254-03
-3.6	1.105-17	1.981-07	9.829-12	1.624-07	3.656-01	2.437-06	8.923-02	1.874-08	2.210-03
-3.4	4.744-17	4.011-07	2.111-11	3.300-07	3.545-01	1.613-06	8.348-02	1.198-08	2.147-03
-3.2	1.847-16	7.772-07	4.349-11	6.347-07	3.394-01	1.077-06	7.681-02	7.6[illegible]-09	2.065-03
-3.0	6.519-16	1.425-06	8.587-11	1.155-06	3.207-01	7.248-07	6.953-02	4.957-09	1.961-03
-2.8	2.101-15	2.478-06	1.626-10	1.593-06	2.986-01	4.903-07	6.199-02	3.210-09	1.835-03
-2.6	6.245-15	4.105-06	2.957-10	3.279-06	2.738-01	3.326-07	5.450-02	2.088-09	1.692-03
-2.4	1.731-14	6.515-06	5.182-10	5.171-06	2.473-01	2.259-07	4.733-02	1.364-09	1.535-03
-2.2	4.526-14	9.962-06	8.771-10	7.864-06	2.199-01	1.533-07	4.066-02	8.937-10	1.372-03
-2.0	1.127-13	1.478-05	1.438-09	1.160-05	1.929-01	1.038-07	3.459-02	5.872-10	1.208-03
-1.8	2.698-13	2.128-05	2.287-09	1.666-05	1.669-01	7.012-08	2.918-02	3.866-10	1.050-03
-1.6	6.252-13	3.001-05	3.540-09	2.342-05	1.428-01	4.726-08	2.443-02	2.550-10	9.015-04
-1.4	1.411-12	4.153-05	5.342-09	3.235-05	1.210-01	3.180-08	2.033-02	1.685-10	7.659-04
-1.2	3.118-12	5.662-05	7.880-09	4.402-05	1.016-01	2.137-08	1.682-02	1.116-10	6.450-04
-1.0	6.772-12	7.624-05	1.139-08	5.920-05	8.468-02	1.435-08	1.386-02	7.411-11	5.392-04
-.8	1.451-11	1.018-04	1.616-08	7.884-05	7.018-02	9.652-09	1.139-02	4.939-11	4.442-04
-.6	3.078-11	1.344-04	2.257-08	1.043-04	5.789-02	6.505-09	9.330-03	3.306-11	3.710-04
-.4	6.477-11	1.766-04	3.113-08	1.373-04	4.758-02	4.398-09	7.638-03	2.227-11	3.063-04
-.2	1.355-10	2.308-04	4.268-08	1.799-04	3.900-02	2.989-09	6.252-03	1.511-11	2.526-04
.0	2.822-10	3.005-04	5.752-08	2.356-04	3.190-02	2.046-09	5.124-03	1.035-11	2.085-04
.2	5.864-10	3.897-04	7.746-08	3.077-04	2.605-02	1.410-09	4.211-03	7.183-12	1.726-04
.4	1.218-09	5.036-04	1.040-07	4.025-04	2.125-02	9.818-10	3.476-03	5.063-12	1.436-04
.6	2.530-09	6.484-04	1.397-07	5.279-04	1.731-02	6.927-10	2.888-03	3.642-12	1.205-04
.8	5.272-09	8.314-04	1.842-07	6.955-04	1.408-02	4.969-10	2.422-03	2.691-12	1.024-04
1.0	1.104-08	1.062-03	2.548-07	9.223-04	1.145-02	3.644-10	2.056-03	2.058-12	8.842-05
1.2	2.332-08	1.352-03	3.480-07	1.235-03	9.329-03	2.760-10	1.774-03	1.648-12	7.806-05
1.4	4.994-08	1.725-03	4.813-07	1.678-03	7.644-03	2.198-10	1.563-03	1.408-12	7.097-05
1.6	1.096-07	2.225-03	6.793-07	2.331-03	6.360-03	1.902-10	1.420-03	1.325-12	6.723-05
1.8	2.508-07	2.956-03	9.942-07	3.367-03	5.475-03	1.909-10	1.351-03	1.362-12	6.777-05
2.0	6.236-07	4.217-03	1.568-06	5.244-03	5.082-03	2.580-10	1.400-03	2.187-12	7.595-05
2.2	1.880-06	7.272-03	2.994-06	9.868-03	5.768-03	[illegible]632-10	1.770-03	7.117-12	1.077-04

T= 138CC

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z*
-7.0	5.C28-01	4.C0380+C0	3.83879+01	4.2[illegible]517+01	1.29468+02	-4.69379+00	4.00414+00
-6.8	5.C18-01	3.99556+C0	3.81751+01	4.21707+01	1.27414+02	-4.49469+00	3.99597+00
-6.6	5.C11-01	3.99009+C0	3.80366+01	4.202[illegible]+01	1.25437+02	-4.295[illegible]+00	3.99061+00
-6.4	5.C06-01	3.98636+C0	3.79456+01	4.1932C+01	1.235C9+02	-4.09569+00	3.98702+00
-6.2	5.003-01	3.98366+C0	3.78841+01	4.18678+01	1.21612+C2	-3.85598+00	3.98448+00
-6.0	5.C01-01	3.98144+C0	3.78395+01	4.1821C+01	1.19734+02	-3.69623+00	3.98247+00
-5.8	4.998-01	3.97928+C0	3.78026+01	4.1781[illegible]+01	1.17864+02	-3.49646+00	3.98057+00
-5.6	4.996-01	3.97675+00	3.77655+01	4.17423+01	1.15995+02	-3.29674+00	3.97839+00
-5.4	4.992-01	3.97340+C0	3.77[illegible]09+01	4.16943+01	1.14120+02	-3.09711+00	3.97543+00
-5.2	4.986-01	3.96857+C0	3.76594+01	4.16275+01	1.12229+C2	-2.89763+00	3.97112+00
-5.0	4.978-01	3.96138+00	3.75689+01	4.15303+01	1.10313+02	-2.69842+00	3.96458+00
-4.8	4.965-01	3.95053+C0	3.74321+01	4.13[illegible]2E+01	1.08354+02	-2.49961+00	3.95453+00
-4.6	4.946-01	3.93415+C0	3.72243+01	4.11584+01	1.06330+02	-2.30142+00	3.93913+00
-4.4	4.916-01	3.9C965+C0	3.69110+01	4.C82C6+01	1.04211+02	-2.10413+00	3.91580+00
-4.2	4.870-01	3.87362+C0	3.64472+01	4.C3208+01	1.01954+02	-1.90815+00	3.88116+00
-4.0	4.803-01	3.8220P+C0	3.57799+01	3.98C2C+01	9.95143+01	-1.71397+00	3.83120+00
-3.8	4.708-01	3.75109+C0	3.48561+01	3.86C71+01	9.68459+01	-1.52211+00	3.76193+00
-3.6	4.576-01	3.65790+C0	3.36383+01	3.72962+01	9.39213+01	-1.33303+00	3.67051+00
-3.4	4.402-01	3.54230+C0	3.21224+01	3.56647+01	9.C7467+01	-1.14698+00	3.55658+00
-3.2	4.184-01	3.40741+C0	3.03682+01	3.37556+01	8.73717+01	-9.63840-01	3.42314+00
-3.0	3.923-01	3.25933+C0	2.83955+01	3.16548+01	8.38836+01	-7.83140-01	3.27616+00
-2.8	3.625-01	3.10575+C0	2.63657+01	2.94715+01	8.C3879+01	-6.04100-01	3.12327+00
-2.6	3.301-01	2.95432+C0	2.43597+01	2.7314C+01	7.69868+01	-4.25810-01	2.97211+00
-2.4	2.962-01	2.81121+C0	2.24600+01	2.52712+01	7.376CC+01	-2.47370-01	2.82884+00
-2.2	2.621-01	2.68060+C0	2.07230+01	2.34C36+01	7.07591+01	-6.80300-02	2.69785+00
-2.0	2.288-01	2.56673+C0	1.91790+01	2.17437+01	6.80080+01	1.12770-01	2.58129+00
-1.8	1.973-01	2.46620+C0	1.78370+01	2.C3C12+01	6.55087+01	2.95410-01	2.47991+00
-1.6	1.683-01	2.37849+C0	1.66909+01	1.90694+01	6.32482+01	4.80030-01	2.39325+00
-1.4	1.422-01	2.30639+C0	1.57253+01	1.80317+01	6.12044+01	6.66670-01	2.32013+00
-1.2	1.192-01	2.24632+C0	1.49198+01	1.71661+01	5.93511+01	8.55200-01	2.25901+00
-1.0	9.925-02	2.19655+C0	1.42523+01	1.64489+01	5.76610+01	1.045[illegible]+00	2.20819+00
-.8	8.221-02	2.15536+C0	1.37007+01	1.58561+01	5.61076+01	1.23725+00	2.16593+00
-.6	6.783-02	2.12109+C0	1.32438+01	1.53649+01	5.46663+01	1.43029+00	2.13055+00
-.4	5.582-02	2.09211+C0	1.28615+01	1.49536+01	5.33140+01	1.62432+00	2.10062+00
-.2	4.587-02	2.06684+C0	1.25344+01	1.46012+01	5.20294+01	1.81904+00	2.07382+00
.0	3.769-02	2.04361+C0	1.22432+01	1.42869+01	5.07919+01	2.01413+00	2.04899+00
.2	3.101-02	2.02065+C0	1.19679+01	1.39988+01	4.95807+01	2.20922+00	2.02394+00
.4	2.559-02	1.99600+C0	1.16870+01	1.36P3C+01	4.83746+01	2.40389+00	1.99643+00
.6	2.121-02	1.96767+C0	1.13780+01	1.33457+01	4.71530+01	2.59760+00	1.96602+00
.8	1.771-02	1.93389+C0	1.10198+01	1.29837+01	4.58962+01	2.79016+00	1.92430+00
1.0	1.492-02	1.89376+C0	1.05965+01	1.24903+01	4.45913+01	2.98106+00	1.87542+00
1.2	1.272-02	1.84789+C0	1.01031+01	1.19510+01	4.32361+01	3.17041+00	1.81669+00
1.4	1.103-02	1.79904+C0	9.54785+00	1.13469+01	4.18411+01	3.35877+00	1.76897+00
1.6	9.784-03	1.75209+C0	8.95176+00	1.C7C3C+01	4.04276+01	3.54729+00	1.67646+00
1.8	9.C07-03	1.71377+C0	8.34326+00	1.C057C+01	3.9C215+01	3.73768+00	1.59621+00
[illegible]	[illegible]	1.68178+C0	7.75479+00	9.44657+00	3.76696+01	3.93208+00	1.51733+00
2.2	1.060-02	1.65008+C0	7.23511+00	8.92520+00	3.63519+01	4.13164+00	1.44186+00

T= 13500

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	Y2+	O2+
-7.0	2.150-18	2.712-21	4.236-19	6.932-23	.000+00	.000+00	.000+00	3.120-16	1.138-15
-6.8	8.593-19	1.082-19	1.693-18	2.770-22	.000+00	.000+00	.000+00	7.957-16	2.851-15
-6.6	3.429-19	4.269-19	6.772-18	1.177-21	.000+00	.000+00	.000+00	1.547-13	7.150-15
-6.4	1.366-18	1.694-18	2.692-17	4.899-21	.000+00	.000+00	.000+01	5.733-13	1.733-14
-6.2	5.440-18	6.691-18	1.070-16	2.004-20	.000+00	.000+00	.000+00	1.286-12	4.448-14
-6.0	2.166-17	2.651-17	4.251-16	8.120-20	.000+00	.000+00	.000+00	3.183-12	1.128-13
-5.8	8.597-17	1.052-16	1.688-15	3.269-19	.000+00	.000+00	.000+00	7.930-12	2.827-13
-5.6	3.417-16	4.183-16	6.642-15	1.306-18	.000+00	.000+00	.000+00	2.004-11	7.077-13
-5.4	1.352-15	1.647-15	2.649-14	5.197-18	.000+00	.000+00	.000+00	5.013-11	1.769-12
-5.2	5.349-15	6.492-15	1.045-13	2.060-17	.000+00	.000+00	.000+00	1.255-10	4.411-12
-5.0	2.102-14	2.545-14	4.105-13	8.125-17	.000+00	.000+00	.000+00	3.128-10	1.095-11
-4.8	8.223-14	9.958-14	1.601-12	3.166-16	.000+00	.000+00	.000+00	7.768-10	2.704-11
-4.6	3.189-13	3.854-13	6.182-12	1.236-15	.000+00	.000+00	.000+00	1.917-09	6.615-11
-4.4	1.220-12	1.486-12	2.369-11	4.736-15	.000+00	.000+00	.000+00	4.689-09	1.595-10
-4.2	4.574-12	5.581-12	8.727-11	1.780-14	.000+00	.000+00	.000+00	1.132-08	3.776-10
-4.0	1.671-11	1.972-11	3.139-10	6.515-14	.000+00	.000+00	.000+00	2.673-08	8.690-10
-3.8	5.874-11	6.319-11	1.001-09	2.301-13	.000+00	.000+00	.000+00	6.179-08	1.922-09
-3.6	1.966-10	2.005-10	3.524-09	7.760-13	.000+00	.000+00	.000+00	1.377-07	4.062-09
-3.4	6.205-10	5.918-10	1.075-08	2.479-12	.000+00	.000+00	.000+00	2.945-07	8.123-09
-3.2	1.830-09	1.615-09	3.051-08	7.457-12	.000+00	.000+00	.000+00	6.000-07	1.531-08
-3.0	5.023-09	4.023-09	8.029-08	2.107-11	.000+00	.000+00	.000+00	1.161-06	2.722-08
-2.8	1.284-08	9.537-09	1.964-07	5.594-11	.000+00	.000+00	.000+00	2.132-06	4.586-08
-2.6	3.063-08	2.090-08	4.691-07	1.401-10	.000+00	.000+00	.000+00	3.721-06	7.343-08
-2.4	6.883-08	4.326-08	9.672-07	3.327-10	.000+00	.000+00	.000+00	6.197-06	1.130-07
-2.2	1.494-07	8.534-08	1.977-06	7.520-10	.000+00	.000+00	.000+00	9.894-06	1.679-07
-2.0	2.934-07	1.618-07	3.867-06	1.626-09	.000+00	.000+00	.000+00	1.522-05	2.426-07
-1.8	5.676-07	2.967-07	7.284-06	3.379-09	.000+00	.000+00	.000+00	2.266-05	3.425-07
-1.6	1.060-06	5.295-07	1.330-05	6.770-09	.000+00	.000+00	.000+00	3.283-05	4.744-07
-1.4	1.920-06	9.242-07	2.364-05	1.313-08	.000+00	.000+00	.000+00	4.644-05	6.471-07
-1.2	3.392-06	1.584-06	4.114-05	2.473-08	.000+00	.000+00	.000+00	6.455-05	8.718-07
-1.0	5.864-06	2.674-06	7.032-05	4.539-08	.000+00	.000+00	.000+00	8.823-05	1.163-06
-.8	9.977-06	4.469-06	1.184-04	8.140-08	.000+00	.000+00	.000+00	1.190-04	1.539-06
-.6	1.671-05	7.365-06	1.969-04	1.431-07	.000+00	.000+00	.000+00	1.588-04	2.025-06
-.4	2.762-05	1.206-05	3.240-04	2.472-07	.000+00	.000+00	.000+00	2.101-04	2.654-06
-.2	4.511-05	1.963-05	5.281-04	4.207-07	.000+00	.000+00	.000+00	2.756-04	3.470-06
.0	7.282-05	3.177-05	8.536-04	7.069-07	.000+00	.000+00	.000+00	3.589-04	4.533-06
.2	1.161-04	5.119-05	1.368-03	1.175-06	.000+00	.000+00	.000+00	4.639-04	5.975-06
.4	1.823-04	8.218-05	2.172-03	1.936-06	.000+00	.000+00	.000+00	5.943-04	7.764-06
.6	2.814-04	1.315-04	3.413-03	3.163-06	.000+00	.000+00	.000+00	7.534-04	1.022-05
.8	4.246-04	2.009-04	5.295-03	5.129-06	.000+00	.000+00	.000+00	9.429-04	1.356-05
1.0	6.235-04	3.039-04	8.088-03	8.259-06	.000+00	.000+00	.000+00	1.163-03	1.816-05
1.2	8.968-04	5.289-04	1.213-02	1.314-05	.000+00	.000+00	.000+00	1.414-03	2.469-05
1.4	1.218-01	8.330-04	1.782-02	2.063-05	.000+00	.000+00	.000+00	1.702-03	3.427-05
1.6	1.612-01	1.301-03	2.558-02	3.176-05	.000+00	.000+00	.000+00	2.054-03	4.909-05
1.8	2.059-01	2.007-03	3.593-02	4.759-05	.000+00	.000+00	.000+00	2.544-03	7.401-05
2.0	2.540-01	3.038-03	4.879-02	6.863-05	.000+00	.000+00	.000+00	3.402-03	1.224-04
2.2	3.024-01	4.391-03	6.369-02	9.321-05	.000+00	.000+00	.000+00	5.660-03	2.488-04

T= 13900

LOG C	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	6.199-31	4.339-14	1.477-18	4.010-14	3.834-01	6.168-03	1.046-01	5.485-05	1.882-03
-6.8	3.864-30	1.094-13	4.096-18	1.000-13	3.865-01	3.944-03	1.049-01	3.487-05	2.029-03
-6.6	2.418-29	2.752-13	1.102-17	2.500-13	3.886-01	2.510-03	1.050-01	2.212-05	2.135-03
-6.4	1.517-28	6.920-13	2.898-17	6.257-13	3.899-01	1.593-03	1.051-01	1.400-05	2.208-03
-6.2	9.525-28	1.738-12	7.501-17	1.567-12	3.907-01	1.009-03	1.052-01	8.857-06	2.256-03
-6.0	5.985-27	4.364-12	1.920-16	3.928-12	3.912-01	6.387-04	1.052-01	5.599-06	2.288-03
-5.8	3.758-26	1.095-11	4.878-16	9.841-12	3.914-01	4.040-04	1.052-01	3.538-06	2.308-03
-5.6	2.357-25	2.743-11	1.233-15	2.464-11	3.915-01	2.555-04	1.051-01	2.236-06	2.321-03
-5.4	1.475-24	6.863-11	3.102-15	6.161-11	3.915-01	1.616-04	1.050-01	1.413-06	2.329-03
-5.2	9.194-24	1.713-10	7.760-15	1.537-10	3.913-01	1.023-04	1.048-01	8.931-07	2.333-03
-5.0	5.695-23	4.264-10	1.944-14	3.824-10	3.909-01	6.480-05	1.045-01	5.647-07	2.334-03
-4.8	3.494-22	1.056-09	4.834-14	9.460-10	3.903-01	4.111-05	1.040-01	3.572-07	2.333-03
-4.6	2.113-21	2.594-09	1.195-13	2.322-09	3.893-01	2.614-05	1.033-01	2.261-07	2.329-03
-4.4	1.250-20	6.301-09	2.926-13	5.632-09	3.877-01	1.667-05	1.022-01	1.432-07	2.322-03
-4.2	7.167-20	1.505-08	7.073-13	1.343-08	3.852-01	1.068-05	1.005-01	9.081-08	2.310-03
-4.0	3.928-19	3.512-08	1.679-12	3.124-08	3.815-01	6.879-06	9.809-02	5.765-08	2.291-03
-3.8	2.028-18	7.939-08	3.890-12	7.031-08	3.759-01	4.464-06	9.473-02	3.666-08	2.263-03
-3.6	9.704-18	1.723-07	8.738-12	1.518-07	3.680-01	2.922-06	9.030-02	2.337-08	2.222-03
-3.4	4.248-17	3.562-07	1.892-11	3.118-07	3.572-01	1.931-06	8.476-02	1.494-08	2.164-03
-3.2	1.687-16	6.982-07	3.930-11	6.068-07	3.429-01	1.288-06	7.826-02	9.581-09	2.088-03
-3.0	6.077-16	1.295-06	7.825-11	1.117-06	3.249-01	8.657-07	7.109-02	6.173-09	1.989-03
-2.8	1.995-15	2.276-06	1.493-10	1.948-06	3.035-01	5.853-07	6.357-02	3.995-09	1.869-03
-2.6	6.024-15	3.807-06	2.737-10	3.235-06	2.793-01	3.972-07	5.605-02	2.598-09	1.729-03
-2.4	1.693-14	6.094-06	4.829-10	5.146-06	2.530-01	2.699-07	4.880-02	1.697-09	1.575-03
-2.2	4.477-14	9.388-06	8.225-10	7.883-06	2.258-01	1.833-07	4.202-02	1.112-09	1.413-03
-2.0	1.126-13	1.359-05	1.370-09	1.170-05	1.986-01	1.243-07	3.5)-02	7.307-10	1.249-03
-1.8	2.716-13	2.029-05	2.168-09	1.689-05	1.724-01	8.409-08	3.028-02	4.814-10	1.089-03
-1.6	6.333-13	2.875-05	3.372-09	2.386-05	1.479-01	5.676-08	2.560-02	3.177-10	9.381-04
-1.4	1.417-12	3.595-05	5.110-09	3.307-05	1.255-01	3.825-08	2.116-02	2.101-10	7.991-04
-1.2	3.169-12	5.464-05	7.566-09	4.514-05	1.056-01	2.574-08	1.754-02	1.393-10	6.745-04
-1.0	6.954-12	7.377-05	1.097-08	6.088-05	8.821-02	1.732-08	1.447-02	9.258-11	5.650-04
-.8	1.495-11	9.857-05	1.561-08	8.129-05	7.322-02	1.166-08	1.190-02	6.176-11	4.705-04
-.6	3.178-11	1.304-04	2.187-08	1.077-04	6.049-02	7.872-09	9.758-03	4.139-11	3.900-04
-.4	6.701-11	1.719-04	3.024-08	1.420-04	4.978-02	5.331-09	7.994-03	2.790-11	3.224-04
-.2	1.404-10	2.251-04	4.135-08	1.863-04	4.085-02	3.629-09	6.548-03	1.895-11	2.662-04
.0	2.929-10	2.935-04	5.609-08	2.440-04	3.345-02	2.486-09	5.369-03	1.300-11	2.199-04
.2	6.094-10	3.812-04	7.566-08	3.193-04	2.735-02	1.718-09	4.414-03	9.031-12	1.821-04
.4	1.267-09	4.935-04	1.018-07	4.180-04	2.234-02	1.199-09	3.645-03	6.376-12	1.516-04
.6	2.635-09	6.386-04	1.369-07	5.486-04	1.823-02	8.486-10	3.030-03	4.592-12	1.273-04
.8	5.496-09	8.182-04	1.846-07	7.230-04	1.486-02	6.108-10	2.541-03	3.399-12	1.081-04
1.0	1.152-08	1.048-03	2.505-07	9.592-04	1.212-02	4.500-10	2.158-03	2.605-12	9.338-05
1.2	2.435-08	1.339-03	3.430-07	1.285-03	9.899-03	3.427-10	1.863-03	2.093-12	8.266-05
1.4	5.221-08	1.715-03	4.763-07	1.747-03	8.140-03	2.749-10	1.643-03	1.796-12	7.503-05
1.6	1.147-07	2.223-03	6.760-07	2.429-03	6.821-03	2.400-10	1.495-03	1.702-12	7.117-05
1.8	2.630-07	2.870-03	9.971-07	3.513-03	5.885-03	2.440-10	1.427-03	1.898-12	7.192-05
2.0	6.561-07	4.266-03	1.589-06	5.487-03	5.501-03	3.365-10	1.486-03	2.889-12	8.046-05
2.2	1.994-06	7.455-03	3.088-06	1.042-02	6.336-03	1.050-09	1.900-03	9.892-12	1.167-04

T= 1350

LOG C	A**	C*	C**	NE*	N	C	A	C	NI
-7.0	4.476-04	6.060-05	2.172-05	7.427-06	2.746-05	1.307-05	1.254-07	9.048-10	5.738-08
-6.8	3.561-04	6.726-05	1.529-05	7.412-06	4.394-05	2.066-05	2.139-07	1.543-09	9.031-08
-6.6	2.839-04	7.227-05	1.046-05	7.372-06	6.694-05	3.263-05	3.555-07	2.687-09	1.419-07
-6.4	1.336-04	7.493-05	6.905-06	7.300-06	1.108-04	5.174-05	5.813-07	4.660-09	2.222-07
-6.2	8.616-05	7.829-05	4.507-06	7.182-06	1.757-04	8.190-05	9.400-07	7.265-09	3.458-07
-6.0	5.523-05	7.913-05	2.908-06	6.998-06	2.783-04	1.294-04	1.509-06	1.177-08	5.333-07
-5.8	3.522-05	8.101-05	1.863-06	6.724-06	4.408-04	2.051-04	2.409-06	1.888-08	8.111-07
-5.6	2.233-05	8.172-05	1.188-06	6.331-06	6.978-04	3.244-04	3.832-06	3.014-08	1.208-06
-5.4	1.421-05	8.219-05	7.561-07	5.795-06	1.104-03	5.126-04	6.041-06	4.735-08	1.750-06
-5.2	9.013-06	8.252-05	4.807-07	5.113-06	1.747-03	8.087-04	9.523-06	7.458-08	2.439-05
-5.0	5.719-06	8.278-05	3.058-07	4.315-06	2.749-03	1.273-03	1.521-05	1.205-07	3.249-06
-4.8	3.632-06	8.301-05	1.949-07	3.447-06	4.325-03	1.996-03	2.395-05	1.904-07	4.114-06
-4.6	2.312-06	8.327-05	1.246-07	2.656-06	6.776-03	3.114-03	3.756-05	3.000-07	4.953-06
-4.4	1.476-06	8.360-05	8.011-08	1.953-06	1.056-02	4.819-03	5.858-05	4.712-07	5.697-06
-4.2	9.465-07	8.406-05	5.192-08	1.393-06	1.631-02	7.371-03	9.062-05	7.367-07	6.320-06
-4.0	6.107-07	8.469-05	3.403-08	9.758-07	2.490-02	1.109-02	1.385-04	1.144-06	6.829-06
-3.8	3.972-07	8.556-05	2.264-08	6.812-07	3.741-02	1.632-02	2.086-04	1.762-06	7.259-06
-3.6	2.608-07	8.672-05	1.536-08	4.780-07	5.500-02	2.337-02	3.076-04	2.681-06	7.669-06
-3.4	1.730-07	8.809-05	1.061-08	3.402-07	7.877-02	3.237-02	4.423-04	4.020-06	8.035-06
-3.2	1.159-07	8.945-05	7.504-09	2.470-07	1.095-01	4.326-02	6.174-04	5.923-06	8.442-06
-3.0	7.832-08	9.121-05	5.415-09	1.932-07	1.472-01	5.576-02	8.346-04	8.550-06	8.884-06
-2.8	5.326-08	9.250-05	3.975-09	1.389-07	1.913-01	6.939-02	1.091-03	1.207-05	9.368-06
-2.6	3.635-08	9.324-05	2.955-09	1.071-07	2.406-01	8.363-02	1.360-03	1.663-05	9.891-06
-2.4	2.444-08	9.311-05	2.213-09	8.386-08	2.933-01	9.797-02	1.642-03	2.234-05	1.041-05
-2.2	1.696-08	9.186-05	1.642-09	6.642-08	3.473-01	1.120-01	2.015-03	2.925-05	1.094-05
-2.0	1.156-08	8.935-05	1.246-09	5.304-08	4.008-01	1.242-01	2.336-03	3.732-05	1.146-05
-1.8	7.854-09	8.555-05	9.298-10	4.258-08	4.520-01	1.375-01	2.644-03	4.642-05	1.196-05
-1.6	5.322-09	8.055-05	6.890-10	3.430-08	4.956-01	1.496-01	2.936-03	5.632-05	1.241-05
-1.4	3.599-09	7.458-05	5.083-10	2.769-08	5.427-01	1.586-01	3.201-03	6.673-05	1.282-05
-1.2	2.430-09	6.793-05	3.689-10	2.238-08	5.810-01	1.670-01	3.437-03	7.732-05	1.319-05
-1.0	1.640-09	6.092-05	2.665-10	1.811-08	6.142-01	1.744-01	3.645-03	8.777-05	1.350-05
-.8	1.108-09	5.396-05	1.912-10	1.466-08	6.425-01	1.807-01	3.825-03	9.779-05	1.378-05
-.6	7.503-10	4.703-05	1.364-10	1.188-08	6.660-01	1.861-01	3.979-03	1.072-04	1.402-05
-.4	5.105-10	4.064-05	9.669-11	9.647-09	6.851-01	1.905-01	4.111-03	1.157-04	1.423-05
-.2	3.496-10	3.483-05	6.892-11	7.848-09	6.999-01	1.943-01	4.226-03	1.234-04	1.442-05
.0	2.417-10	2.966-05	4.909-11	6.404-09	7.105-01	1.974-01	4.327-03	1.302-04	1.460-05
.2	1.692-10	2.516-05	3.519-11	5.250-09	7.185-01	2.002-01	4.422-03	1.362-04	1.474-05
.4	1.205-10	2.133-05	2.549-11	4.331-09	7.176-01	2.027-01	4.515-03	1.415-04	1.488-05
.6	8.780-11	1.811-05	1.876-11	3.603-09	7.129-01	2.051-01	4.615-03	1.461-04	1.503-05
.8	6.593-11	1.546-05	1.412-11	3.031-09	7.011-01	2.075-01	4.729-03	1.501-04	1.553-05
1.0	5.154-11	1.329-05	1.096-11	2.587-09	6.811-01	2.099-01	4.867-03	1.535-04	1.593-05
1.2	4.253-11	1.156-05	8.871-12	2.249-09	6.520-01	2.121-01	5.035-03	1.558-04	1.643-05
1.4	3.786-11	1.021-05	7.616-12	2.001-09	6.136-01	2.139-01	5.237-03	1.564-04	1.706-05
1.6	3.770-11	9.214-06	7.150-12	1.836-09	5.662-01	2.147-01	5.475-03	1.543-04	1.781-05
1.8	4.448-11	8.614- 6	7.801-12	1.762-09	5.110-01	2.133-01	5.745-03	1.483-04	1.868-05
2.0	7.513-11	8.653-06	1.147-11	1.834-09	4.497-01	2.087-01	6.039-03	1.381-04	1.956-05
2.2	2.934-10	1.059-05	3.746-11	2.343-09	3.831-01	1.964-01	6.323-03	1.206-04	2.068-05

T= 1350

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.033-01	4.00827+00	3.82784+01	4.22856+01	1.29635+02	-4.69017+00	4.00860+00
-6.8	5.021-01	3.99847+00	3.80255+01	4.20245+01	1.27540+02	-4.49124+00	3.99888+00
-6.6	5.013-01	3.99198+00	3.78623+01	4.18542+01	1.25536+02	-4.29194+00	3.99250+00
-6.4	5.008-01	3.98762+00	3.77549+01	4.17425+01	1.23592+02	-4.09242+00	3.98826+00
-6.2	5.004-01	3.98452+00	3.76831+01	4.16676+01	1.21684+02	-3.89276+00	3.98533+00
-6.0	5.001-01	3.98209+00	3.76325+01	4.16146+01	1.19799+02	-3.69302+00	3.98311+00
-5.8	4.999-01	3.97985+00	3.75925+01	4.15723+01	1.17926+02	-3.49326+00	3.98113+00
-5.6	4.996-01	3.97737+00	3.75548+01	4.15321+01	1.16056+02	-3.29354+00	3.97838+00
-5.4	4.993-01	3.97418+00	3.75116+01	4.14858+01	1.14182+02	-3.09388+00	3.97620+00
-5.2	4.988-01	3.96968+00	3.74542+01	4.14235+01	1.12295+02	-2.89438+00	3.97221+00
-5.0	4.980-01	3.96303+00	3.73711+01	4.13341+01	1.10385+02	-2.69510+00	3.96620+00
-4.8	4.969-01	3.95303+00	3.72661+01	4.11992+01	1.08438+02	-2.49620+00	3.95700+00
-4.6	4.951-01	3.93795+00	3.70565+01	4.09945+01	1.06431+02	-2.29786+00	3.94258+00
-4.4	4.923-01	3.91535+00	3.67702+01	4.06855+01	1.04336+02	-2.10036+00	3.92166+00
-4.2	4.881-01	3.88134+00	3.63445+01	4.02265+01	1.02114+02	-1.90408+00	3.88969+00
-4.0	4.819-01	3.83397+00	3.57281+01	3.95821+01	9.97605+01	-1.70948+00	3.84308+00
-3.8	4.730-01	3.76727+00	3.48673+01	3.86345+01	9.71087+01	-1.51710+00	3.77814+00
-3.6	4.607-01	3.67888+00	3.37203+01	3.73591+01	9.42464+01	-1.32743+00	3.69150+00
-3.4	4.442-01	3.56772+00	3.22749+01	3.58426+01	9.11316+01	-1.14074+00	3.58219+00
-3.2	4.233-01	3.43645+00	3.05613+01	3.39977+01	8.78046+01	-9.57020-01	3.45269+00
-3.0	3.981-01	3.29056+00	2.86515+01	3.19671+01	8.43455+01	-7.75960-01	3.30783+00
-2.8	3.691-01	3.13755+00	2.66437+01	2.97812+01	8.08575+01	-5.96540-01	3.15584+00
-2.6	3.372-01	2.98516+00	2.46397+01	2.76248+01	7.74436+01	-4.18160-01	3.00362+00
-2.4	3.035-01	2.83797+00	2.27263+01	2.5566C+01	7.41891+01	-2.39820-01	2.85439+00
-2.2	2.693-01	2.70658+00	2.09366+01	2.36710+01	7.11509+01	-6.07100-02	2.72462+00
-2.0	2.358-01	2.58759+00	1.93049+01	2.19774+01	6.83580+01	1.19760-01	2.60948+00
-1.8	2.039-01	2.48392+00	1.80153+01	2.04993+01	6.58164+01	3.02010-01	2.50045+00
-1.6	1.743-01	2.39523+00	1.68374+01	1.92327+01	6.35157+01	4.86220-01	2.41079+00
-1.4	1.476-01	2.32043+00	1.58624+01	1.81628+01	6.14354+01	6.72440-01	2.33195+00
-1.2	1.240-01	2.25799+00	1.50107+01	1.72887+01	5.95459+01	8.60590-01	2.27443+00
-1.0	1.034-01	2.20621+00	1.43205+01	1.65267+01	5.78133+01	1.05051+00	2.21855+00
-.8	8.578-02	2.16334+00	1.37498+01	1.59132+01	5.62558+01	1.24199+00	2.17658+00
-.6	7.087-02	2.12772+00	1.32773+01	1.54056+01	5.47955+01	1.43476+00	2.13783+00
-.4	5.838-02	2.09771+00	1.28827+01	1.49804+01	5.34292+01	1.62861+00	2.10660+00
-.2	4.802-02	2.07170+00	1.25466+01	1.46183+01	5.21321+01	1.82320+00	2.07923+00
.0	3.948-02	2.04804+00	1.22497+01	1.42977+01	5.08867+01	2.01821+00	2.05393+00
.2	3.251-02	2.02697+00	1.19720+01	1.39969+01	4.96712+01	2.21329+00	2.02875+00
.4	2.683-02	2.00756+00	1.16923+01	1.36926+01	4.84645+01	2.40802+00	2.00166+00
.6	2.225-02	1.97783+00	1.13882+01	1.33611+01	4.72454+01	2.60196+00	1.96962+00
.8	1.858-02	1.93576+00	1.10383+01	1.29783+01	4.59943+01	2.79466+00	1.93078+00
1.0	1.566-02	1.90032+00	1.06257+01	1.25266+01	4.46971+01	2.98583+00	1.88295+00
1.2	1.335-02	1.85614+00	1.01434+01	1.19995+01	4.33496+01	3.17548+00	1.82525+00
1.4	1.157-02	1.80815+00	9.59794+00	1.14061+01	4.19605+01	3.36410+00	1.75830+00
1.6	1.027-02	1.76166+00	9.08876+00	1.07704+01	4.05496+01	3.55279+00	1.69414+00
1.8	9.468-03	1.72332+00	8.64381+00	1.01271+01	3.91427+01	3.74323+00	1.60578+00
2.0	9.340-03	1.70077+00	7.81626+00	9.51700+00	3.77676+01	3.93751+00	1.52642+00
2.2	1.130-02	1.69711+00	7.29860+00	8.99571+00	3.66602+01	4.13658+00	1.45046+00

T= 14000

LOG C	N2	O2	NO	CO	CO2	NO2	H2O	N2+	O2+
-7.0	1.673-18	2.203-20	3.419-19	4.806-23	.000+00	.000+00	.000+00	2.688-16	1.093-15
-6.8	6.693-18	8.695-20	1.359-18	2.126-22	.000+00	.000+00	.000+00	6.825-16	2.513-15
-6.6	2.672-17	3.461-19	5.401-18	8.114-22	.000+00	.000+00	.000+00	1.726-13	6.301-15
-6.4	1.065-16	1.364-18	2.147-17	3.215-21	.000+00	.000+00	.000+00	4.353-13	1.580-14
-6.2	4.24[illegible]-16	5.412-18	8.535-17	1.269-20	.000+00	.000+00	.000+00	1.096-12	3.963-14
-6.0	1.687-15	2.148-17	3.391-16	6.377-20	.000+00	.000+00	.000+00	2.755-12	9.938-14
-5.8	6.734-15	8.519-17	1.346-15	2.530-19	.000+00	.000+00	.000+00	6.919-12	2.491-13
-5.6	2.662-14	3.376-16	5.340-15	1.029-18	.000+00	.000+00	.000+00	1.736-11	6.238-13
-5.4	1.055-13	1.335-15	2.116-14	4.101-18	.000+00	.000+00	.000+00	4.349-11	1.560-12
-5.2	4.171-13	5.285-15	8.368-14	1.627-17	.000+00	.000+00	.000+00	1.088-10	3.891-12
-5.0	1.643-12	2.067-14	3.282-13	6.428-17	.000+00	.000+00	.000+00	2.713-10	9.673-12
-4.8	6.437-12	8.053-14	1.282-12	2.522-16	.000+00	.000+00	.000+00	6.744-10	2.341-11
-4.6	2.501-11	3.103-13	4.983-12	9.811-16	.000+00	.000+00	.000+00	1.667-09	5.862-11
-4.4	9.660-11	1.176-12	1.893-11	3.770-15	.000+00	.000+00	.000+00	6.085-09	1.619-10
-4.2	3.618-10	4.351-12	7.068-11	1.423-14	.000+00	.000+00	.000+00	9.800-09	3.371-10
-4.0	1.3[illegible]-09	1.556-11	2.581-10	5.240-14	.000+00	.000+00	.000+00	2.352-08	7.802-10
-3.8	4.711-09	5.306-11	8.908-10	1.865-13	.000+00	.000+00	.000+00	5.456-08	1.743-09
-3.6	1.596-08	1.707-10	2.938-09	6.352-13	.000+00	.000+00	.000+00	1.225-07	3.720-09
-3.4	5.093-08	5.116-10	9.093-09	2.033-12	.000+00	.000+00	.000+00	2.644-07	7.527-09
-3.2	1.524-07	1.419-09	2.619-08	6.749-12	.000+00	.000+00	.000+00	5.442-07	1.436-08
-3.0	4.245-07	3.636-09	6.998-08	1.787-11	.000+00	.000+00	.000+00	1.064-06	2.584-08
-2.8	1.101-06	8.638-09	1.737-07	4.802-11	.000+00	.000+00	.000+00	1.975-06	4.395-08
-2.6	2.662-06	1.917-08	4.024-07	1.216-10	.000+00	.000+00	.000+00	3.484-06	7.113-08
-2.4	6.039-06	4.012-08	8.768-07	2.916-10	.000+00	.000+00	.000+00	5.857-06	1.103-07
-2.2	1.294-05	7.998-08	1.811-06	6.648-10	.000+00	.000+00	.000+00	9.430-06	1.651-07
-2.0	2.635-05	1.526-07	3.571-06	1.449-09	.000+00	.000+00	.000+00	1.461-05	2.398-07
-1.8	5.139-05	2.815-07	6.775-06	3.031-09	.000+00	.000+00	.000+00	2.130-05	3.491-07
-1.6	9.650-05	5.051-07	1.244-05	6.110-09	.000+00	.000+00	.000+00	3.191-05	4.730-07
-1.4	1.760-04	8.854-07	2.274-05	1.191-08	.000+00	.000+00	.000+00	4.539-05	6.472-07
-1.2	3.125-04	1.523-06	3.806-05	2.254-08	.000+00	.000+00	.000+00	6.329-05	8.742-07
-1.0	5.426-04	2.578-06	6.664-05	4.154-08	.000+00	.000+00	.000+00	8.681-05	1.169-06
-.8	9.240-04	4.310-06	1.125-04	7.477-08	.000+00	.000+00	.000+00	1.174-04	1.550-06
-.6	1.555-03	7.131-06	1.876-04	1.319-07	.000+00	.000+00	.000+00	1.571-04	2.043-06
-.4	2.577-03	1.170-05	3.093-04	2.283-07	.000+00	.000+00	.000+00	2.083-04	2.681-06
-.2	4.219-03	1.906-05	5.050-04	3.895-07	.000+00	.000+00	.000+00	2.734-04	3.509-06
.0	6.825-03	3.087-05	8.175-04	6.557-07	.000+00	.000+00	.000+00	3.574-04	4.587-06
.2	1.090-02	4.978-05	1.312-03	1.092-06	.000+00	.000+00	.000+00	4.630-04	6.001-06
.4	1.719-02	7.956-05	2.087-03	1.801-06	.000+00	.000+00	.000+00	5.948-04	7.870-06
.6	2.658-02	1.280-04	3.264-03	2.945-06	.000+00	.000+00	.000+00	7.564-04	1.037-05
.8	4.075-02	2.044-04	5.104-03	4.782-06	.000+00	.000+00	.000+00	9.534-04	1.376-05
1.0	5.935-02	3.251-04	7.814-03	7.702-06	.000+00	.000+00	.000+00	1.178-03	1.845-05
1.2	8.482-02	5.151-04	1.175-02	1.228-05	.000+00	.000+00	.000+00	1.440-03	2.511-05
1.4	1.171-01	8.115-04	1.731-02	1.934-05	.000+00	.000+00	.000+00	1.745-03	3.491-05
1.6	1.558-01	1.268-03	2.491-02	2.987-05	.000+00	.000+00	.000+00	2.120-03	5.011-05
1.8	1.999-01	1.957-03	3.498-02	4.495-05	.000+00	.000+00	.000+00	2.565-03	7.580-05
2.0	2.478-01	2.962-03	4.775-02	6.517-05	.000+00	.000+00	.000+00	3.070-03	1.260-04
2.2	2.960-01	4.268-03	6.234-02	8.883-05	.000+00	.000+00	.000+00	6.041-03	2.589-04

T= 14000

LOG C	C2-	HC+	CC+	O-	N+	N++	O+	O++	A+
-7.0	5.134-31	3.681-14	1.229-18	3.631-14	3.817-01	7.378-03	1.045-01	6.796-05	1.814-03
-6.8	3.194-30	9.284-14	3.449-18	9.044-14	3.854-01	4.729-03	1.048-01	4.327-05	1.978-03
-6.6	1.996-29	2.338-13	9.369-18	2.259-13	3.879-01	3.015-03	1.050-01	2.747-05	2.099-03
-6.4	1.251-28	5.879-13	2.480-17	5.651-13	3.894-01	1.915-03	1.051-01	1.760-05	2.193-03
-6.2	7.851-28	1.477-12	6.450-17	1.415-12	3.904-01	1.214-03	1.052-01	1.101-05	2.260-03
-6.0	4.931-27	3.709-12	1.656-16	3.546-12	3.910-01	7.687-04	1.052-01	6.962-06	2.278-03
-5.8	3.097-26	9.306-12	4.217-16	8.883-12	3.913-01	4.863-04	1.052-01	4.400-06	2.302-03
-5.6	1.943-25	2.332-11	1.067-15	2.224-11	3.915-01	3.076-04	1.051-01	2.781-06	2.317-03
-5.4	1.216-24	5.838-11	2.689-15	5.564-11	3.915-01	1.946-04	1.050-01	1.757-06	2.326-03
-5.2	7.588-24	1.458-10	6.750-15	1.389-10	3.913-01	1.232-04	1.049-01	1.111-06	2.331-03
-5.0	4.709-23	3.632-10	1.688-14	3.457-10	3.910-01	7.801-05	1.044-01	7.024-07	2.333-03
-4.8	2.894-22	9.002-10	4.203-14	8.563-10	3.904-01	4.949-05	1.042-01	4.443-07	2.333-03
-4.6	1.756-21	2.216-09	1.040-13	2.106-09	3.895-01	3.145-05	1.035-01	2.812-07	2.330-03
-4.4	1.044-20	5.397-09	2.552-13	5.122-09	3.881-01	2.005-05	1.024-01	1.781-07	2.324-03
-4.2	6.030-20	1.294-08	6.189-13	1.226-08	3.858-01	1.283-05	1.009-01	1.129-07	2.313-03
-4.0	3.339-19	3.036-08	1.475-12	2.869-08	3.823-01	8.255-06	9.865-02	7.170-08	2.296-03
-3.8	1.747-18	6.912-08	3.436-12	6.504-08	3.772-01	5.350-06	9.550-02	4.553-08	2.271-03
-3.6	8.499-18	1.514-07	7.769-12	1.417-07	3.699-01	3.496-06	9.130-02	2.905-08	2.234-03
-3.4	3.792-17	3.162-07	1.695-11	2.942-07	3.597-01	2.307-06	8.598-02	1.856-08	2.181-03
-3.2	1.537-16	6.267-07	3.551-11	5.790-07	3.461-01	1.536-06	7.967-02	1.180-08	2.109-03
-3.0	5.946-16	1.176-06	7.128-11	1.074-06	3.290-01	1.032-06	7.261-02	7.444-09	2.015-03
-2.8	1.888-15	2.089-06	1.371-10	1.900-06	3.083-01	6.971-07	6.514-02	4.958-09	1.900-03
-2.6	5.794-15	3.529-06	2.532-10	3.187-06	2.846-01	4.731-07	5.760-02	3.223-09	1.765-03
-2.4	1.651-14	5.698-06	4.458-10	5.113-06	2.586-01	3.216-07	5.028-02	2.104-09	1.615-03
-2.2	4.418-14	8.844-06	7.710-10	7.890-06	2.315-01	2.186-07	4.339-02	1.379-09	1.454-03
-2.0	1.122-13	1.327-05	1.278-09	1.178-05	2.043-01	1.484-07	3.707-02	9.066-10	1.290-03
-1.8	2.728-13	1.935-05	2.055-09	1.711-05	1.778-01	1.006-07	3.139-02	5.975-10	1.128-03
-1.6	6.406-13	2.754-05	3.211-09	2.427-05	1.529-01	6.798-08	2.638-02	3.967-10	9.748-04
-1.4	1.462-12	3.842-05	4.887-09	3.377-05	1.301-01	4.588-08	2.201-02	2.612-10	8.327-04
-1.2	3.259-12	5.273-05	7.264-09	4.626-05	1.097-01	3.092-08	1.827-02	1.733-10	7.045-04
-1.0	7.131-12	7.139-05	1.057-08	6.254-05	9.181-02	2.094-08	1.509-02	1.153-10	5.914-04
-.8	1.538-11	9.562-05	1.509-08	8.371-05	7.633-02	1.405-08	1.242-02	7.698-11	4.933-04
-.6	3.278-11	1.270-04	2.120-08	1.111-04	6.314-02	9.500-09	1.020-02	5.164-11	4.096-04
-.4	6.925-11	1.674-04	2.937-08	1.467-04	5.203-02	6.444-09	8.361-03	3.485-11	3.390-04
-.2	1.454-10	2.196-04	4.025-08	1.928-04	4.275-02	4.393-09	6.854-03	2.370-11	2.802-04
.0	3.037-10	2.868-04	5.470-08	2.528-04	3.505-02	3.015-09	5.523-03	1.628-11	2.317-04
.2	6.326-10	3.731-04	7.351-08	3.311-04	2.869-02	2.087-09	4.626-03	1.132-11	1.920-04
.4	1.317-09	4.838-04	9.956-08	4.338-04	2.347-02	1.461-09	3.821-03	8.001-12	1.599-04
.6	2.742-09	6.252-04	1.361-07	5.697-04	1.918-02	1.037-09	3.177-03	5.774-12	1.343-04
.8	5.724-09	8.054-04	1.812-07	7.513-04	1.567-02	7.487-10	2.665-03	4.280-12	1.141-04
1.0	1.201-08	1.034-03	2.463-07	9.973-04	1.280-02	5.560-10	2.264-03	3.289-12	9.856-05
1.2	2.541-08	1.326-03	3.381-07	1.337-03	1.049-02	4.243-10	1.956-03	2.651-12	8.706-05
1.4	5.454-08	1.706-03	4.713-07	1.818-03	8.656-03	3.427-10	1.727-03	2.285-12	7.926-05
1.6	1.200-07	2.220-03	6.725-07	2.530-03	7.263-03	3.320-10	1.574-03	2.179-12	7.530-05
1.8	2.757-07	2.982-03	9.993-07	3.463-03	6.317-03	3.109-10	1.507-03	2.455-12	7.627-05
2.0	6.898-07	4.314-03	1.609-06	5.739-03	5.545-03	4.375-10	1.576-03	3.807-12	8.624-05
2.2	2.115-06	7.643-03	3.181-06	1.101-02	6.953-03	1.445-09	2.040-03	1.375-11	1.254-04

T= 14CCC

LOG C	B++	C+	C++	NE+	N	O	A	C	NE
-7.0	5.131-04	5.797-05	2.425-05	7.424-06	2.513-05	1.191-05	1.648-07	8.037-10	5.002-08
-6.8	3.552-04	6.515-05	1.733-05	7.417-06	3.598-05	1.883-05	1.887-07	1.623-09	7.876-08
-6.6	2.388-04	7.071-05	1.189-05	7.388-06	4.351-05	2.979-05	3.161-07	2.439-09	1.238-07
-6.4	1.572-04	7.475-05	7.957-06	7.325-06	1.008-04	4.7[illegible]-05	5.198-07	4.075-09	1.941-07
-6.2	1.020-04	7.756-05	5.220-06	7.223-06	1.598-04	7.459-05	8.635-07	6.688-09	3.027-07
-6.0	6.554-05	7.944-05	3.390-06	7.067-06	2.533-04	1.181-04	1.357-06	1.044-08	4.683-07
-5.8	4.187-05	8.069-05	2.170-06	6.819-06	4.013-04	1.866-04	2.171-06	1.743-08	7.156-07
-5.6	2.665-05	8.151-05	1.386-06	6.465-06	6.352-04	2.955-04	3.457-06	2.785-08	1.074-06
-5.4	1.692-05	8.205-05	8.826-07	5.974-06	1.005-03	4.677-04	5.491-06	4.435-08	1.569-06
-5.2	1.074-05	8.242-05	5.613-07	5.335-06	1.588-03	7.389-04	8.648-06	7.043-08	2.215-06
-5.0	6.814-06	8.270-05	3.571-07	4.567-06	2.505-03	1.161-03	1.375-05	1.116-07	2.994-06
-4.8	4.327-06	8.295-05	2.275-07	3.727-06	3.961-03	1.822-03	2.166-05	1.764-07	3.851-06
-4.6	2.753-06	8.320-05	1.454-07	2.837-06	6.183-03	2.845-03	3.401-05	2.781-07	4.705-06
-4.4	1.757-06	8.351-05	9.335-08	2.156-06	9.645-03	4.411-03	5.312-05	4.372-07	5.494-06
-4.2	1.126-06	8.333-05	6.040-08	1.552-06	1.493-02	6.764-03	8.234-05	6.842-07	6.146-06
-4.0	7.257-07	8.452-05	3.949-08	1.094-06	2.286-02	1.022-02	1.263-04	1.064-06	6.691-06
-3.8	4.714-07	8.533-05	2.619-08	7.643-07	3.465-02	1.511-02	1.908-04	1.641-06	7.145-06
-3.6	3.090-07	8.640-05	1.767-08	5.360-07	5.090-02	2.176-02	2.827-04	2.504-06	7.548-06
-3.4	2.042-07	8.772-05	1.217-08	3.804-07	7.331-02	3.035-02	4.088-04	3.765-06	7.938-06
-3.2	1.370-07	8.923-05	8.570-09	2.751-07	1.025-01	4.087-02	5.764-04	5.566-06	8.343-06
-3.0	9.250-08	9.077-05	6.160-09	2.034-07	1.388-01	5.306-02	7.820-04	8.065-06	8.782-06
-2.8	6.289-08	9.209-05	4.567-09	1.535-07	1.817-01	6.649-02	1.030-03	1.143-05	9.258-06
-2.6	4.295-08	9.291-05	3.343-09	1.191-07	2.300-01	8.064-02	1.312-03	1.582-05	9.767-06
-2.4	2.938-08	9.292-05	2.500-09	9.224-08	2.821-01	9.499-02	1.620-03	2.134-05	1.030-05
-2.2	2.009-08	9.185-05	1.977-09	7.293-08	3.360-01	1.091-01	1.949-03	2.807-05	1.083-05
-2.0	1.372-08	8.955-05	1.468-09	5.914-08	3.896-01	1.225-01	2.263-03	3.597-05	1.135-05
-1.8	9.339-09	8.595-05	1.052-09	4.666-08	4.414-01	1.350-01	2.576-03	4.493-05	1.185-05
-1.6	6.342-09	8.114-05	7.805-10	3.757-08	4.898-01	1.463-01	2.871-03	5.472-05	1.231-05
-1.4	4.296-09	7.533-05	5.746-10	3.033-08	5.339-01	1.566-01	3.147-03	6.507-05	1.273-05
-1.2	2.906-09	6.878-05	4.195-10	2.452-08	5.731-01	1.659-01	3.384-03	7.566-05	1.311-05
-1.0	1.965-09	6.183-05	3.037-10	1.984-08	6.074-01	1.729-01	3.594-03	8.615-05	1.344-05
-.8	1.330-09	5.480-05	2.193-10	1.607-08	6.366-01	1.794-01	3.744-03	9.625-05	1.372-05
-.6	9.020-10	4.795-05	1.561-10	1.303-08	6.611-01	1.849-01	3.864-03	1.057-04	1.397-05
-.4	6.146-10	4.152-05	1.112-10	1.058-08	6.810-01	1.896-01	4.061-03	1.144-04	1.419-05
-.2	4.215-10	3.563-05	7.922-11	8.611-09	6.966-01	1.934-01	4.200-03	1.222-04	1.438-05
.0	2.918-10	3.039-05	5.655-11	7.029-09	7.080-01	1.967-01	4.305-03	1.292-04	1.456-05
.2	2.046-10	2.582-05	4.062-11	5.763-09	7.168-01	1.996-01	4.401-03	1.353-04	1.475-05
.4	1.459-10	2.191-05	2.949-11	4.754-09	7.168-01	2.021-01	4.495-03	1.407-04	1.495-05
.6	1.065-10	1.863-05	2.175-11	3.955-09	7.130-01	2.045-01	4.595-03	1.454-04	1.513-05
.8	8.010-11	1.591-05	1.642-11	3.327-09	7.073-01	2.068-01	4.708-03	1.495-04	1.548-05
1.0	6.275-11	1.371-05	1.279-11	2.840-09	6.835-01	2.092-01	4.843-03	1.529-04	1.547-05
1.2	5.194-11	1.195-05	1.040-11	2.469-09	6.557-01	2.114-01	5.007-03	1.556-04	1.636-05
1.4	4.663-11	1.059-05	8.988-12	2.198-09	6.184-01	2.131-01	5.206-03	1.583-04	1.697-05
1.6	4.653-11	9.601-06	8.519-12	2.020-09	5.719-01	2.138-01	5.440-03	1.567-04	1.771-05
1.8	5.607-11	9.040-06	9.429-12	1.944-09	5.175-01	2.125-01	5.706-03	1.493-04	1.857-05
2.0	9.536-11	9.174-06	1.417-11	2.034-09	4.564-01	2.077-01	5.997-03	1.390-04	1.956-05
2.2	3.935-10	1.144-05	4.920-11	2.635-09	3.894-01	1.954-01	6.276-03	1.227-04	2.056-05

T= 14CCC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG P	Z0
-7.0	5.040-01	4.01350+00	3.82107+01	4.22242+01	1.29842+02	-4.68669+00	4.01333+00
-6.8	5.025-01	4.00189+00	3.79134+01	4.19153+01	1.27699+02	-4.68775+00	4.00233+00
-6.6	5.016-01	3.99421+00	3.77192+01	4.17134+01	1.25664+02	-4.68859+00	3.99473+00
-6.4	5.010-01	3.98904+00	3.75926+01	4.15815+01	1.23699+02	-4.68915+00	3.98972+00
-6.2	5.006-01	3.98551+00	3.75084+01	4.14935+01	1.21779+02	-3.88953+00	3.98632+00
-6.0	5.002-01	3.98282+00	3.74504+01	4.14332+01	1.19886+02	-3.68983+00	3.98362+00
-5.8	5.000-01	3.98066+00	3.74064+01	4.13869+01	1.18008+02	-3.69009+00	3.98172+00
-5.6	4.997-01	3.97898+00	3.73673+01	4.13453+01	1.16137+02	-3.29036+00	3.97957+00
-5.4	4.994-01	3.97692+00	3.73250+01	4.12999+01	1.14263+02	-3.09069+00	3.97692+00
-5.2	4.989-01	3.97370+00	3.72709+01	4.12416+01	1.12380+02	-2.89115+00	3.97327+00
-5.0	4.982-01	3.96853+00	3.71940+01	4.11586+01	1.10476+02	-2.69183+00	3.96764+00
-4.8	4.971-01	3.95531+00	3.70796+01	4.10349+01	1.08537+02	-2.49286+00	3.95592+00
-4.6	4.955-01	3.94140+00	3.69062+01	4.08476+01	1.06545+02	-2.29437+00	3.94630+00
-4.4	4.930-01	3.92053+00	3.66641+01	4.05666+01	1.04473+02	-2.09667+00	3.92641+00
-4.2	4.891-01	3.88963+00	3.62531+01	4.01427+01	1.02283+02	-1.90041+00	3.89710+00
-4.0	4.834-01	3.84491+00	3.56836+01	3.95284+01	9.99318+01	-1.70513+00	3.85400+00
-3.8	4.751-01	3.78231+00	3.48815+01	3.86638+01	9.73729+01	-1.51226+00	3.79320+00
-3.6	4.635-01	3.69844+00	3.38020+01	3.75008+01	9.45701+01	-1.32200+00	3.71123+00
-3.4	4.480-01	3.59192+00	3.24255+01	3.60174+01	9.15140+01	-1.13464+00	3.60657+00
-3.2	4.280-01	3.46645+00	3.07728+01	3.42372+01	8.82359+01	-9.50389+01	3.48378+00
-3.0	4.037-01	3.32109+00	2.89078+01	3.22288+01	8.48880+01	-7.68760+01	3.33572+00
-2.8	3.756-01	3.16891+00	2.69244+01	3.00933+01	8.13301+01	-5.89111+01	3.18756+00
-2.6	3.440-01	3.01587+00	2.49247+01	2.79406+01	7.79062+01	-4.10610-01	3.03494+00
-2.4	3.106-01	2.86883+00	2.2999 7+01	2.58678+01	7.46258+01	-2.32310-01	2.88800+00
-2.2	2.765-01	2.73281+00	2.12136+01	2.39464+01	7.15513+01	-5.36100-02	2.75145+00
-2.0	2.428-01	2.61079+00	1.96089+01	2.22197+01	6.87168+01	1.26750-01	2.62901+00
-1.8	2.105-01	2.50400+00	1.82017+01	2.07057+01	6.61326+01	3.08620-01	2.52138+00
-1.6	1.804-01	2.41233+00	1.69915+01	1.94038+01	6.37910+01	4.92420-01	2.42872+00
-1.4	1.531-01	2.33481+00	1.59663+01	1.83011+01	6.16733+01	6.78230-01	2.35011+00
-1.2	1.288-01	2.26997+00	1.51078+01	1.73775+01	5.97548+01	8.66000-01	2.28414+00
-1.0	1.076-01	2.21617+00	1.43939+01	1.66101+01	5.80086+01	1.0555[illegible]+00	2.22923+00
-.8	8.943-02	2.17154+00	1.38034+01	1.59756+01	5.64081+01	1.24675+00	2.18344+00
-.6	7.397-02	2.13452+00	1.33146+01	1.54491+01	5.49281+01	1.43928+00	2.14527+00
-.4	6.100-02	2.10343+00	1.29070+01	1.50105+01	5.35449+01	1.63291+00	2.11293+00
-.2	5.022-02	2.07653+00	1.25612+01	1.46378+01	5.22368+01	1.82734+00	2.08473+00
.0	4.133-02	2.05249+00	1.22578+01	1.43103+01	5.09827+01	2.02226+00	2.05892+00
.2	3.405-02	2.02925+00	1.19770+01	1.40062+01	4.97620+01	2.21732+00	2.03350+00
.4	2.812-02	2.00501+00	1.16977+01	1.37027+01	4.85539+01	2.41210+00	2.00660+00
.6	2.333-02	1.97773+00	1.13977+01	1.33755+01	4.73366+01	2.60616+00	1.97505+00
.8	1.948-02	1.94576+00	1.10552+01	1.30010+01	4.60904+01	2.79907+00	1.93701+00
1.0	1.641-02	1.90776+00	1.06524+01	1.25602+01	4.48001+01	2.99050+00	1.89018+00
1.2	1.400-02	1.86404+00	1.01809+01	1.20455+01	4.34600+01	3.18044+00	1.8334[illegible]+00
1.4	1.216-02	1.81692+00	9.66525+00	1.14822+01	4.20767+01	3.36933+00	1.78732+00
1.6	1.078-02	1.77093+00	9.06324+00	1.08382+01	4.06688+01	3.55[illegible]+00	1.74[illegible]+00
1.8	9.969-03	1.73261+00	8.46230+00	1.01965+01	3.92616+01	3.74444+00	1.6[illegible]+00
2.0	9.888-03	1.70947+00	7.87630+00	9.58577+00	3.77833+01	3.94244+00	1.51640+00
2.2	1.206-02	1.70383+00	7.36166+00	9.06956+00	3.65836+01	4.14[illegible]+00	1.49905+00

T= 14100

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.304-18	1.794-20	2.737-19	3.647-23	.000+00	.000+00	.000+00	2.319-14	8.863-16
-6.8	5.224-18	7.071-20	1.088-18	1.632-22	.000+00	.000+00	.000+00	5.901-14	2.220-15
-6.6	2.097-17	2.734-19	4.322-18	7.263-22	.000+00	.000+00	.000+00	1.496-13	5.566-15
-6.4	8.324-17	1.108-18	1.718-17	2.977-21	.000+00	.000+00	.000+00	3.772-13	1.395-14
-6.2	3.316-16	4.373-18	6.829-17	1.231-20	.000+00	.000+00	.000+00	9.503-13	3.499-14
-6.0	1.319-15	1.743-17	2.714-16	5.020-20	.000+00	.000+00	.000+00	2.330-12	8.774-14
-5.8	5.265-15	6.916-17	1.078-15	2.027-19	.000+00	.000+00	.000+00	6.004-12	2.199-13
-5.6	2.083-14	2.740-16	4.275-15	8.133-19	.000+00	.000+00	.000+00	1.537-11	5.509-13
-5.4	8.257-14	1.086-15	1.693-14	3.245-18	.000+00	.000+00	.000+00	3.936-11	1.378-12
-5.2	3.266-13	4.279-15	6.680-14	1.289-17	.000+00	.000+00	.000+00	9.447-11	3.432-12
-5.0	1.288-12	1.681-14	2.632-13	5.096-17	.000+00	.000+00	.000+00	2.394-10	8.556-12
-4.8	5.050-12	6.561-14	1.030-12	2.003-16	.000+00	.000+00	.000+00	5.967-10	2.118-11
-4.6	1.956-11	2.539-13	3.994-12	7.867-16	.000+00	.000+00	.000+00	1.452-09	5.202-11
-4.4	7.567-11	9.644-13	1.529-11	3.008-15	.000+00	.000+00	.000+00	3.565-09	1.283-10
-4.2	2.854-10	3.597-12	5.737-11	1.140-14	.000+00	.000+00	.000+00	8.655-09	3.013-10
-4.0	1.058-09	1.292-11	2.092-10	4.221-14	.000+00	.000+00	.000+00	2.056-08	7.014-10
-3.8	3.780-09	4.455-11	7.343-10	1.513-13	.000+00	.000+00	.000+00	4.821-08	1.579-09
-3.6	1.292-08	1.491-10	2.450-09	5.203-13	.000+00	.000+00	.000+00	1.040-07	3.404-09
-3.4	4.179-08	4.415-10	7.685-09	1.659-12	.000+00	.000+00	.000+00	2.173-07	6.957-09
-3.2	1.267-07	1.244-09	2.246-08	5.234-12	.000+00	.000+00	.000+00	4.933-07	1.546-08
-3.0	3.582-07	3.239-09	6.093-08	1.516-11	.000+00	.000+00	.000+00	9.751-07	2.449-08
-2.8	9.421-07	7.906-09	1.534-07	4.121-11	.000+00	.000+00	.000+00	1.523-06	4.212-08
-2.6	2.310-06	1.755-08	3.603-07	1.059-10	.000+00	.000+00	.000+00	3.253-06	6.882-08
-2.4	5.306-06	3.715-08	7.944-07	2.559-10	.000+00	.000+00	.000+00	5.531-06	1.076-07
-2.2	1.149-05	7.455-08	1.657-06	5.878-10	.000+00	.000+00	.000+00	8.981-06	1.621-07
-2.0	2.363-05	1.437-07	3.297-06	1.291-09	.000+00	.000+00	.000+00	1.402-05	2.359-07
-1.8	4.648-05	2.669-07	6.302-06	2.719-09	.000+00	.000+00	.000+00	2.114-05	3.376-07
-1.6	8.798-05	4.813-07	1.164-05	5.515-09	.000+00	.000+00	.000+00	3.133-05	4.713-07
-1.4	1.613-04	8.476-07	2.092-05	1.081-08	.000+00	.000+00	.000+00	4.431-05	6.471-07
-1.2	2.878-04	1.463-06	3.671-05	2.056-08	.000+00	.000+00	.000+00	6.204-05	8.766-07
-1.0	5.020-04	2.484-06	6.318-05	3.804-08	.000+00	.000+00	.000+00	8.539-05	1.176-06
-.8	8.532-04	4.142-06	1.070-04	6.872-08	.000+00	.000+00	.000+00	1.153-04	1.566-06
-.6	1.447-03	6.900-06	1.788-04	1.215-07	.000+00	.000+00	.000+00	1.554-04	2.060-06
-.4	2.404-03	1.134-05	2.956-04	2.111-07	.000+00	.000+00	.000+00	2.065-04	2.707-06
-.2	3.944-03	1.849-05	4.832-04	3.604-07	.000+00	.000+00	.000+00	2.721-04	3.547-06
.0	6.395-03	2.998-05	7.836-04	6.085-07	.000+00	.000+00	.000+00	3.553-04	4.643-06
.2	1.024-02	4.839-05	1.259-03	1.014-06	.000+00	.000+00	.000+00	4.621-04	6.074-06
.4	1.616-02	7.777-05	2.005-03	1.676-06	.000+00	.000+00	.000+00	5.952-04	7.977-06
.6	2.509-02	1.244-04	3.161-03	2.765-06	.000+00	.000+00	.000+00	7.574-04	1.052-05
.8	3.813-02	1.989-04	4.923-03	4.461-06	.000+00	.000+00	.000+00	9.574-04	1.396-05
1.0	5.644-02	3.165-04	7.553-03	7.194-06	.000+00	.000+00	.000+00	1.193-03	1.874-05
1.2	8.107-02	5.015-04	1.139-02	1.149-05	.000+00	.000+00	.000+00	1.466-03	2.553-05
1.4	1.125-01	7.901-04	1.681-02	1.813-05	.000+00	.000+00	.000+00	1.788-03	3.555-05
1.6	1.504-01	1.235-03	2.427-02	2.810-05	.000+00	.000+00	.000+00	2.157-03	5.115-05
1.8	1.940-01	1.906-03	3.417-02	4.245-05	.000+00	.000+00	.000+00	2.750-03	7.762-05
2.0	2.416-01	2.885-03	4.674-02	6.185-05	.000+00	.000+00	.000+00	3.746-03	1.296-04
2.2	2.895-01	4.143-03	6.101-02	8.455-05	.000+00	.000+00	.000+00	6.449-03	2.695-04

T= 14100

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	4.266-31	3.124-14	1.020-18	3.295-14	3.797-01	8.791-03	1.043-01	8.390-05	1.740-03
-6.8	2.667-30	7.890-14	2.900-18	8.194-14	3.641-01	5.651-03	1.047-01	5.350-05	1.921-03
-6.6	1.652-29	1.988-13	7.956-18	2.044-13	3.870-01	3.610-03	1.049-01	3.400-05	2.056-03
-6.4	1.014-28	5.002-13	2.123-17	5.111-13	3.889-01	2.296-03	1.051-01	2.155-05	2.155-03
-6.2	6.487-28	1.257-12	5.550-17	1.280-12	3.900-01	1.457-03	1.051-01	1.364-05	2.221-03
-6.0	4.073-27	3.157-12	1.430-16	3.205-12	3.908-01	9.227-04	1.052-01	8.630-06	2.265-03
-5.8	2.558-26	7.922-12	3.651-16	8.030-12	3.912-01	5.839-04	1.052-01	5.456-06	2.294-03
-5.6	1.605-25	1.988-11	9.255-16	2.011-11	3.914-01	3.694-04	1.051-01	3.448-06	2.312-03
-5.4	1.005-24	4.973-11	2.335-15	5.031-11	3.915-01	2.337-04	1.051-01	2.179-06	2.323-03
-5.2	6.272-24	1.243-10	5.841-15	1.258-10	3.914-01	1.479-04	1.049-01	1.378-06	2.330-03
-5.0	3.898-23	3.097-10	1.468-14	3.129-10	3.911-01	9.368-05	1.047-01	8.710-07	2.333-03
-4.8	2.401-22	7.685-10	3.659-14	7.760-10	3.906-01	5.940-05	1.043-01	5.510-07	2.333-03
-4.6	1.467-21	1.895-09	9.069-14	1.911-09	3.897-01	3.774-05	1.036-01	3.487-07	2.331-03
-4.4	8.731-21	4.626-09	2.230-13	4.661-09	3.884-01	2.404-05	1.027-01	2.209-07	2.326-03
-4.2	5.075-20	1.113-08	5.421-13	1.120-08	3.863-01	1.538-05	1.013-01	1.400-07	2.316-03
-4.0	2.837-19	2.625-08	1.297-12	2.633-08	3.832-01	9.884-06	9.917-02	8.989-08	2.301-03
-3.8	1.503-18	6.015-08	3.036-12	6.013-08	3.784-01	6.397-06	9.622-02	5.651-08	2.278-03
-3.6	7.429-18	1.328-07	6.909-12	1.321-07	3.716-01	4.174-06	9.224-02	3.600-08	2.244-03
-3.4	3.376-17	2.803-07	1.518-11	2.772-07	3.620-01	2.756-06	8.715-02	2.300-08	2.195-03
-3.2	1.395-16	5.617-07	3.207-11	5.516-07	3.492-01	1.826-06	8.102-02	1.474-08	2.128-03
-3.0	5.229-16	1.065-06	6.491-11	1.038-06	3.328-01	1.226-06	7.409-02	9.488-09	2.040-03
-2.8	1.791-15	1.911-06	1.259-10	1.851-06	3.128-01	8.283-07	6.668-02	6.136-09	1.930-03
-2.6	5.557-15	3.265-06	2.342-10	3.134-06	2.896-01	5.620-07	5.913-02	3.987-09	1.800-03
-2.4	1.606-14	5.319-06	4.190-10	5.072-06	2.641-01	3.822-07	5.176-02	2.602-09	1.652-03
-2.2	4.350-14	8.319-06	7.227-10	7.886-06	2.372-01	2.601-07	4.477-02	1.706-09	1.494-03
-2.0	1.116-13	1.257-05	1.205-09	1.185-05	2.099-01	1.768-07	3.833-02	1.122-09	1.330-03
-1.8	2.736-13	1.843-05	1.947-09	1.730-05	1.833-01	1.199-07	3.252-02	7.395-10	1.167-03
-1.6	6.469-13	2.635-05	3.057-09	2.466-05	1.582-01	8.120-08	2.737-02	4.887-10	1.012-03
-1.4	1.484-12	3.692-05	4.674-09	3.446-05	1.348-01	5.488-08	2.288-02	3.237-10	8.666-04
-1.2	3.325-12	5.084-05	6.976-09	4.735-05	1.139-01	3.705-08	1.902-02	2.149-10	7.350-04
-1.0	7.304-12	6.904-05	1.018-08	6.421-05	9.546-02	2.500-08	1.572-02	1.431-10	6.183-04
-.8	1.580-11	9.270-05	1.458-08	8.613-05	7.950-02	1.689-08	1.296-02	9.566-11	5.167-04
-.6	3.377-11	1.233-04	2.054-08	1.146-04	6.586-02	1.143-08	1.065-02	6.424-11	4.297-04
-.4	7.151-11	1.630-04	2.854-08	1.515-04	5.434-02	7.767-09	8.739-03	4.340-11	3.561-04
-.2	1.504-10	2.141-04	3.919-08	1.994-04	4.470-02	5.304-09	7.169-03	2.955-11	2.946-04
.0	3.146-10	2.800-04	5.336-08	2.617-04	3.670-02	3.647-09	5.886-03	2.032-11	2.438-04
.2	6.564-10	3.648-04	7.221-08	3.431-04	3.008-02	2.530-09	4.844-03	1.415-11	2.022-04
.4	1.368-09	4.739-04	9.742-08	4.500-04	2.463-02	1.775-09	4.003-03	1.001-11	1.685-04
.6	2.851-09	6.136-04	1.314-07	5.914-04	2.016-02	1.243-09	3.329-03	7.236-12	1.416-04
.8	5.957-09	7.922-04	1.778-07	7.804-04	1.650-02	9.152-10	2.794-03	5.375-12	1.203-04
1.0	1.251-08	1.020-03	2.421-07	1.036-03	1.352-02	6.801-10	2.374-03	4.139-12	1.039-04
1.2	2.650-08	1.313-03	3.333-07	1.390-03	1.111-02	5.237-10	2.052-03	3.347-12	9.183-05
1.4	5.693-08	1.694-03	4.662-07	1.891-03	9.196-03	4.259-10	1.813-03	2.898-12	8.366-05
1.6	1.254-07	2.215-03	6.686-07	2.634-03	7.748-03	3.788-10	1.655-03	2.782-12	7.958-05
1.8	2.887-07	2.932-03	1.001-06	3.819-03	6.772-03	3.949-10	1.589-03	3.167-12	8.079-05
2.0	7.349-07	4.353-03	1.627-06	6.007-03	6 .19-03	5.676-10	1.670-03	5.004-12	9.178-05
2.2	2.244-06	7.833-03	3.275-06	1.164-02	7.628-03	1.990-09	2.189-03	1.912-11	1.352-04

T= 1410C

LOG D	A**	C*	C**	NE*	N	O	A	C	NE
-7.0	5.458-04	5.521-05	2.688-05	7.419-06	2.255-05	1.087-05	9.559-08	7.119-10	4.369-08
-6.8	4.097-04	6.291-05	1.346-05	7.419-06	3.634-05	1.719-05	1.062-07	1.277-09	6.577-08
-6.6	2.792-04	6.902-05	1.359-05	7.397-06	5.783-05	2.716-05	2.808-07	2.210-09	1.062-07
-6.4	1.844-04	7.356-05	9.130-06	7.346-06	9.156-05	4.287-05	4.646-07	3.725-09	1.697-07
-6.2	1.202-04	7.673-05	6.025-06	7.254-06	1.456-04	6.801-05	7.573-07	6.134-09	2.652-07
-6.0	7.753-05	7.889-05	3.917-06	7.118-06	2.308-04	1.074-04	1.222-06	9.948-09	4.114-07
-5.8	4.963-05	8.033-05	2.521-06	6.952-06	3.657-04	1.703-04	1.958-06	1.609-08	6.313-07
-5.6	3.162-05	8.127-05	1.613-06	6.554-06	5.789-04	2.695-04	3.123-06	2.576-08	9.531-07
-5.4	2.010-05	8.190-05	1.028-06	6.137-06	9.159-04	4.259-04	4.956-06	4.106-08	1.467-06
-5.2	1.276-05	8.232-05	6.541-07	5.543-06	1.448-03	6.723-04	7.869-06	6.526-08	2.006-06
-5.0	8.098-06	8.262-05	4.161-07	4.809-06	2.285-03	1.059-03	1.246-05	1.036-07	2.769-06
-4.8	5.143-06	8.284-05	2.651-07	3.983-06	3.614-03	1.644-03	1.952-05	1.638-07	3.830-06
-4.6	3.271-06	8.313-05	1.693-07	3.142-06	5.647-03	2.602-03	3.084-05	2.581-07	4.654-06
-4.4	2.086-06	8.343-05	1.086-07	2.368-06	8.819-03	4.070-03	4.822-05	4.059-07	5.253-06
-4.2	1.334-06	8.382-05	7.014-08	1.721-06	1.368-02	6.311-03	7.488-05	6.358-07	5.963-06
-4.0	8.676-07	8.437-05	4.576-08	1.221-06	2.099-02	9.612-03	1.151-04	9.902-07	6.563-06
-3.8	5.541-07	8.512-05	3.025-08	8.556-07	3.175-02	1.399-02	1.745-04	1.530-06	7.024-06
-3.6	3.654-07	8.612-05	2.034-08	6.001-07	4.710-02	2.026-02	2.597-04	2.239-06	7.443-06
-3.4	2.417-07	8.739-05	1.345-08	4.252-07	6.821-02	2.965-02	3.777-04	3.327-06	7.840-06
-3.2	1.615-07	8.883-05	9.780-09	3.068-07	9.597-02	3.858-02	5.341-04	4.231-06	8.245-06
-3.0	1.080-07	9.036-05	7.001-09	2.257-07	1.308-01	5.046-02	7.323-04	5.678-06	8.680-06
-2.8	7.209-08	9.189-05	5.105-09	1.697-07	1.726-01	6.367-02	9.713-04	7.063-06	9.150-06
-2.6	5.061-08	9.298-05	3.777-09	1.301-07	2.197-01	7.778-02	1.246-03	1.504-05	9.654-06
-2.4	3.466-08	9.371-05	2.821-09	1.014-07	2.711-01	9.204-02	1.549-03	2.039-05	1.018-05
-2.2	2.374-08	9.182-05	2.116-09	7.499-08	3.247-01	1.062-01	1.867-03	2.693-05	1.072-05
-2.0	1.623-08	9.471-05	1.588-09	6.371-08	3.795-01	1.198-01	2.190-03	3.456-05	1.124-05
-1.8	1.107-08	9.631-05	1.187-09	5.107-08	4.308-01	1.324-01	2.506-03	4.347-05	1.175-05
-1.6	7.533-09	8.169-05	8.825-10	4.112-08	4.759-01	1.440-01	2.805-03	5.315-05	1.222-05
-1.4	5.114-09	7.506-05	6.509-10	3.319-08	5.249-01	1.544-01	3.082-03	6.344-05	1.265-05
-1.2	3.465-09	6.951-05	4.761-10	2.693-08	5.651-01	1.635-01	3.331-03	7.401-05	1.303-05
-1.0	2.367-09	6.273-05	3.455-10	2.172-08	6.004-01	1.714-01	3.551-03	8.453-05	1.337-05
-.8	1.591-09	5.572-05	2.449-10	1.760-08	6.306-01	1.781-01	3.743-03	9.470-05	1.366-05
-.6	1.091-09	4.895-05	1.783-10	1.427-08	6.560-01	1.838-01	3.909-03	1.043-04	1.392-05
-.4	7.373-10	4.238-05	1.274-10	1.159-08	6.768-01	1.886-01	4.051-03	1.131-04	1.414-05
-.2	5.069-10	3.644-05	9.088-11	9.437-09	6.932-01	1.926-01	4.173-03	1.210-04	1.434-05
.0	3.514-10	3.113-05	6.501-11	7.705-09	7.054-01	1.960-01	4.281-03	1.281-04	1.453-05
.2	2.468-10	2.648-05	4.679-11	6.318-09	7.130-01	1.989-01	4.380-03	1.343-04	1.471-05
.4	1.763-10	2.250-05	3.404-11	5.213-09	7.158-01	2.019- 1	4.479-03	1.393-04	1.491-05
.6	1.288-10	1.915-05	2.517-11	4.336-09	7.129-01	2.039-01	4.575-03	1.446-04	1.514-05
.8	9.705-11	1.638-05	1.905-11	3.649-09	7.033-01	2.062-01	4.686-03	1.489-04	1.544-05
1.0	7.619-11	1.413-05	1.499-11	3.114-09	6.857-01	2.085-01	4.819-03	1.524-04	1.581-05
1.2	6.325-11	1.234-05	1.216-11	2.708-09	6.591-01	2.106-01	4.980-03	1.550-04	1.629-05
1.4	5.679-11	1.097-05	1.058-11	2.412-09	6.230-01	2.123-01	5.175-03	1.562-04	1.689-05
1.6	5.726-11	9.923-06	1.013-11	2.219-09	5.778-01	2.130-01	5.405-03	1.555-04	1.761-05
1.8	6.970-11	9.473-06	1.137-11	2.142-09	5.238-01	2.117-01	5.668-03	1.532-04	1.846-05
2.0	1.209-10	9.710-06	1.749-11	2.252-09	4.629-01	2.068-01	5.956-03	1.495-04	1.942-05
2.2	5.275-10	1.235-05	6.467-11	2.962-09	3.956-01	1.943-01	6.228-03	1.446-04	2.044-05

T= 1410C

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.047-01	4.019950+00	3.81263+01	4.21455+01	1.3C029+02	-4.6P274+00	4.01994+00
-6.8	5.030-01	4.005939+00	3.77771+01	4.17830+01	1.27832+02	-4.6P623+00	4.00833+00
-6.6	5.019-01	3.997893+00	3.75484+01	4.15452+01	1.25761+02	-4.28521+00	3.99733+00
-6.4	5.012-01	3.990790+00	3.73990+01	4.13898+01	1.23772+02	-4.6P587+00	3.99143+00
-6.2	5.007-01	3.9866E+00	3.73007+01	4.12874+01	1.21937+02	-3.8P632+00	3.98746+00
-6.0	5.003-01	3.983634+00	3.72339+01	4.12175+01	1.19935+02	-3.6P665+00	3.98463+00
-5.8	5.001-01	3.981110+00	3.71849+01	4.11660+01	1.18052+02	-3.4P692+00	3.98236+00
-5.6	4.998-01	3.97859+00	3.71436+01	4.11222+01	1.16178+02	-3.2P720+00	3.98017+00
-5.4	4.995-01	3.975634+00	3.71016+01	4.10772+01	1.14305+02	-3.08752+00	3.97761+00
-5.2	4.990-01	3.97165+00	3.70501+01	4.10217+01	1.12423+02	-2.8A796+00	3.97413+00
-5.0	4.984-01	3.96591+00	3.69188+01	4.09447+01	1.10529+02	-2.68858+00	3.96902+00
-4.8	4.976-01	3.95738+00	3.66738+01	4.08311+01	1.08595+02	-2.4A952+00	3.96127+00
-4.6	4.959-01	3.944534+00	3.67152+01	4.06597+01	1.06616+02	-2.29093+00	3.94939+00
-4.4	4.936-01	3.92525+00	3.64754+01	4.04001+01	1.04564+02	-2.C93C6+00	3.93129+00
-4.2	4.900-01	3.89862+00	3.61187+01	4.00133+01	1.02404+02	-1.89624+00	3.90405+00
-4.0	4.847-01	3.85649+00	3.55912+01	3.94462+01	1.00093+02	-1.70091+00	3.86625+00
-3.8	4.770-01	3.79827+00	3.48640+01	3.86622+01	9.75854+01	-1.50757+00	3.80717+00
-3.6	4.662-01	3.71887+00	3.38330+01	3.75498+01	9.48416+01	-1.31675+00	3.72973+00
-3.4	4.515-01	3.61430+00	3.25264+01	3.61413+01	9.18460+01	-1.12983+00	3.62971+00
-3.2	4.325-01	3.49139+00	3.09382+01	3.44296+01	8.86206+01	-9.43430-01	3.50799+00
-3.0	4.090-01	3.35572+00	2.91237+01	3.24744+01	8.52304+01	-7.61790-01	3.36821+00
-2.8	3.815-01	3.19978+00	2.71715+01	3.03713+01	8.17697+01	-5.81410-01	3.21899+00
-2.6	3.507-01	3.04639+00	2.51830+01	2.82294+01	7.83427+01	-4.03140-01	3.06816+00
-2.4	3.176-01	2.89775+00	2.32512+01	2.61484+01	7.50626+01	-2.24870-01	2.91765+00
-2.2	2.826-01	2.75925+00	2.14474+01	2.42067+01	7.19363+01	-4.61600-02	2.77890+00
-2.0	2.469-01	2.63430+00	1.98167+01	2.24951+01	6.90669+01	1.33740-01	2.65336+00
-1.8	2.121-01	2.52444+00	1.83800+01	2.09044+01	6.64410+01	3.15240-01	2.54267+00
-1.6	1.805-01	2.42979+00	1.71399+01	1.95869+01	6.40607+01	4.98640-01	2.44700+00
-1.4	1.547-01	2.34952+00	1.60861+01	1.84356+01	6.19271+01	6.8405C-01	2.36555+00
-1.2	1.338-01	2.28224+00	1.52016+01	1.74439+01	5.99566+01	8.71440-01	2.29726+00
-1.0	1.170-01	2.22630+00	1.44656+01	1.66917+01	5.81828+01	1.06066+00	2.24014+00
-.8	9.315-02	2.17998+00	1.38557+01	1.60357+01	5.6558A+01	1.25152+00	2.19272+00
-.6	7.715-02	2.14151+00	1.33510+01	1.54925+01	5.5C593+01	1.44379+00	2.15295+00
-.4	6.370-02	2.10929+00	1.29307+01	1.50400+01	5.36805+01	1.63721+00	2.11943+00
-.2	5.249-02	2.08139+00	1.25753+01	1.46557+01	5.23603+01	1.8P14H+00	2.09037+00
.0	4.323-02	2.05699+00	1.22654+01	1.43224+01	5.1C776+01	2.02639+00	2.06399+00
.2	3.564-02	2.03354+00	1.19914+01	1.40149+01	4.98517+01	2.2213?+00	2.03837+00
.4	2.945-02	2.00962+00	1.17023+01	1.37117+01	4.86416+01	2.41614+00	2.01132+00
.6	2.444-02	1.98268+00	1.14060+01	1.33883+01	4.74260+01	2.61032+00	1.98042+00
.8	2.041-02	1.95143+00	1.10706+01	1.30221+01	4.61845+01	2.80343+00	1.94315+00
1.0	1.720-02	1.91445+00	1.0677 +01	1.2592C+01	4.49011+01	2.99512+00	1.89733+00
1.2	1.468-02	1.87181+00	1.02169+01	1.20987+01	4.35685+01	3.19533+00	1.84162+00
1.4	1.273-02	1.82558+00	9.69117+00	1.15168+01	4.21914+01	3.37447+00	1.77827+00
1.6	1.131-02	1.78014+00	9.11677+00	1.08969+01	4.07869+01	3.58353+00	1.70299+00
1.8	1.045-02	1.74130+00	8.62035+00	1.02523+01	3.93800+01	3.75410+00	1.62558+00
2.0	1.042-02	1.71822+00	7.93860+00	9.6546?+00	3.80000+01	3.96815+00	1.55466+00
2.2	1.288-02	1.71044+00	7.42564+00	9.13608+00	3.67002+01	4.14618+00	1.48782+00

T= 14200

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.020-18	1.448-20	2.195-19	2.786-23	.CCC+CC	.CCC+00	.CCC+00	2.003-14	7.844-14
-6.8	4.040-18	5.776-20	8.723-19	1.253-22	.CCC+CC	.CCC+00	.CCC+00	5.110-14	1.964-15
-6.6	1.616-17	2.282-19	3.467-18	5.477-22	.CCC+CC	.CCC+00	.CCC+00	1.298-13	4.922-15
-6.4	6.527-17	9.013-19	1.378-17	2.327-21	.CCC+CC	.CCC+00	.CCC+00	3.275-13	1.234-14
-6.2	2.601-16	3.581-18	5.476-17	9.673-21	.CCC+CC	.CCC+00	.CCC+00	8.257-13	3.095-14
-6.0	1.035-15	1.420-17	2.176-16	3.960-20	.CCC+CC	.CCC+00	.CCC+00	2.078-12	7.761-14
-5.8	4.117-15	5.634-17	8.642-16	1.604-19	.CCC+CC	.CCC+00	.CCC+00	5.221-12	1.945-13
-5.6	1.635-14	2.233-16	3.429-15	6.449-19	.CCC+CC	.CCC+00	.CCC+00	1.311-11	4.874-13
-5.4	6.484-14	8.840-16	1.359-14	2.575-18	.CCC+CC	.CCC+00	.CCC+00	3.285-11	1.219-12
-5.2	2.556-13	3.477-15	5.370-14	1.026-17	.CCC+CC	.CCC+00	.CCC+00	8.223-11	3.045-12
-5.0	1.012-12	1.373-14	2.115-13	4.053-17	.CCC+CC	.CCC+00	.CCC+00	2.056-10	7.581-12
-4.8	3.975-12	5.369-14	8.287-13	1.595-16	.CCC+CC	.CCC+00	.CCC+00	5.113-10	1.879-11
-4.6	1.550-11	2.077-13	3.220-12	6.228-16	.CCC+CC	.CCC+00	.CCC+00	1.267-09	4.622-11
-4.4	5.981-11	7.931-13	1.236-11	2.406-15	.CCC+CC	.CCC+00	.CCC+00	3.116-09	1.125-10
-4.2	2.272-10	2.985-12	4.657-11	.152-15	.CCC+CC	.CCC+00	.CCC+00	7.585-09	2.695-10
-4.0	8.438-10	1.076-11	1.710-10	3.606-14	.CCC+CC	.CCC+00	.CCC+00	1.818-08	6.309-10
-3.8	3.237-09	3.744-11	6.051-10	1.229-13	.CCC+CC	.CCC+00	.CCC+00	4.262-08	1.431-09
-3.6	1.348-08	1.235-10	2.041-09	4.266-13	.CCC+CC	.CCC+00	.CCC+00	9.707-08	3.113-09
-3.4	3.429-08	3.809-10	6.486-09	1.407-12	.CCC+CC	.CCC+00	.CCC+00	2.130-07	6.442-09
-3.2	1.054-07	1.090-09	1.923-08	4.387-12	.CCC+CC	.CCC+00	.CCC+00	4.670-07	1.259-08
-3.0	3.021-07	2.882-09	5.295-08	1.285-11	.CCC+CC	.CCC+00	.CCC+00	8.927-07	2.319-08
-2.8	8.060-07	7.053-09	1.353-07	3.536-11	.CCC+CC	.CCC+00	.CCC+00	1.692-06	4.031-08
-2.6	2.003-06	1.607-08	3.220-07	9.154-11	.CCC+CC	.CCC+00	.CCC+00	3.046-06	6.652-08
-2.4	4.660-06	3.440-08	7.184-07	2.239-10	.CCC+CC	.CCC+00	.CCC+00	5.219-06	1.049-07
-2.2	1.021-05	6.979-08	1.514-06	5.197-10	.CCC+CC	.CCC+00	.CCC+00	8.548-06	1.591-07
-2.0	2.119-05	1.354-07	3.040-06	1.150-09	.CCC+CC	.CCC+00	.CCC+00	1.345-05	2.337-07
-1.8	4.203-05	2.532-07	5.854-06	2.440-09	.CCC+CC	.CCC+00	.CCC+00	2.043-05	3.350-07
-1.6	8.014-05	4.591-07	1.089-05	4.981-09	.CCC+CC	.CCC+00	.CCC+00	3.010-05	4.695-07
-1.4	1.478-04	8.119-07	1.966-05	9.817-09	.CCC+CC	.CCC+00	.CCC+00	4.324-05	6.468-07
-1.2	2.650-04	1.407-06	3.465-05	1.876-08	.CCC+CC	.CCC+00	.CCC+00	6.080-05	8.796-07
-1.0	4.643-04	2.396-06	5.985-05	3.485-08	.CCC+CC	.CCC+00	.CCC+00	8.399-05	1.180-06
-.8	7.975-04	4.025-06	1.017-04	6.319-08	.CCC+CC	.CCC+00	.CCC+00	1.143-04	1.571-06
-.6	1.347-03	6.685-06	1.703-04	1.121-07	.CCC+CC	.CCC+00	.CCC+00	1.538-04	2.078-06
-.4	2.246-03	1.100-05	2.819-04	1.952-07	.CCC+CC	.CCC+00	.CCC+00	2.046-04	2.734-06
-.2	3.630-03	1.797-05	4.620-04	3.344-07	.CCC+CC	.CCC+00	.CCC+00	2.704-04	3.597-06
.0	5.996-03	2.917-05	7.503-04	5.652-07	.CCC+CC	.CCC+00	.CCC+00	3.544-04	4.699-06
.2	9.621-03	4.710-05	1.208-03	9.440-07	.CCC+CC	.CCC+00	.CCC+00	4.612-04	6.108-06
.4	1.523-02	7.575-05	1.926-03	1.561-06	.CCC+CC	.CCC+00	.CCC+00	5.956-04	7.887-06
.6	2.370-02	1.214-04	3.042-03	2.566-06	.CCC+CC	.CCC+00	.CCC+00	7.621-04	1.007-05
.8	3.613-02	1.939-04	4.745-03	4.165-06	.CCC+CC	.CCC+00	.CCC+00	9.548-04	1.618-05
1.0	5.372-02	3.085-04	7.296-03	6.725-06	.CCC+CC	.CCC+00	.CCC+00	1.207-03	1.904-05
1.2	7.749-02	4.800-04	1.102-02	1.076-05	.CCC+CC	.CCC+00	.CCC+00	1.493-03	2.596-05
1.4	1.080-01	7.306-04	1.632-02	1.701-05	.CCC+CC	.CCC+00	.CCC+00	1.833-03	3.620-05
1.6	1.452-01	1.205-03	2.362-02	2.643-05	.CCC+CC	.CCC+00	.CCC+00	2.253-03	5.221-05
1.8	1.883-01	1.860-03	3.334-02	4.010-05	.CCC+CC	.CCC+00	.CCC+00	2.856-03	7.949-05
2.0	2.355-01	2.815-03	4.571-02	5.868-05	.CCC+CC	.CCC+00	.CCC+00	3.926-03	1.334-04
2.2	2.830-01	4.026-03	5.964-02	8.040-05	.CCC+00	.CCC+00	.CCC+00	6.886-03	2.807-04

T= 14200

LOG C	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	3.557-31	2.662-14	8.451-19	2.995-14	3.773-01	1.044-02	1.041-04	1.032-04	1.660-03
-6.8	2.201-30	6.727-14	2.435-18	7.437-14	3.826-01	6.730-03	1.045-01	6.532-05	1.859-03
-6.6	1.371-29	1.696-13	6.752-18	1.853-13	3.860-01	4.309-03	1.048-01	4.194-05	2.012-03
-6.4	8.571-29	4.269-13	1.816-17	4.630-13	3.882-01	2.745-03	1.050-01	2.661-05	2.123-03
-6.2	5.373-28	1.073-12	4.777-17	1.159-12	3.896-01	1.743-03	1.051-01	1.686-05	2.200-03
-6.0	3.372-27	2.698-12	1.236-16	2.902-12	3.905-01	1.105-03	1.052-01	1.066-05	2.251-03
-5.8	2.117-26	6.767-12	3.164-16	7.268-12	3.910-01	6.993-04	1.052-01	6.743-06	2.285-03
-5.6	1.329-25	1.697-11	8.037-16	1.820-11	3.913-01	4.425-04	1.052-01	4.263-06	2.306-03
-5.4	8.325-25	4.259-11	2.030-15	4.555-11	3.914-01	2.800-04	1.051-01	2.694-06	2.319-03
-5.2	5.201-24	1.062-10	5.106-15	1.138-10	3.914-01	1.772-04	1.049-01	1.703-06	2.327-03
-5.0	3.234-23	2.649-10	1.279-14	2.836-10	3.911-01	1.122-04	1.047-01	1.077-06	2.332-03
-4.8	1.996-22	6.580-10	3.191-14	7.039-10	3.907-01	7.114-05	1.043-01	6.812-07	2.333-03
-4.6	1.218-21	1.625-09	7.919-14	1.737-09	3.899-01	4.519-05	1.038-01	4.311-07	2.331-03
-4.4	7.308-21	3.976-09	1.951-13	4.244-09	3.887-01	2.877-05	1.029-01	2.731-07	2.327-03
-4.2	4.274-20	9.559-09	4.756-13	1.023-08	3.868-01	1.939-05	1.016-01	1.731-07	2.319-03
-4.0	2.410-19	2.274-08	1.141-12	2.417-08	3.839-01	1.181-05	9.965-02	1.099-07	2.305-03
-3.8	1.292-18	5.243-08	2.634-12	5.555-08	3.795-01	7.633-06	9.689-02	6.985-08	2.285-03
-3.6	6.682-18	1.167-07	6.145-12	1.231-07	3.732-01	4.974-06	9.312-02	4.449-08	2.253-03
-3.4	2.998-17	2.487-07	1.360-11	2.608-07	3.642-01	3.271-06	8.826-02	2.841-08	2.209-03
-3.2	1.263-16	5.037-07	2.895-11	5.246-07	3.521-01	2.172-06	8.233-02	1.821-08	2.166-03
-3.0	4.827-16	9.659-07	5.909-11	9.986-07	3.364-01	1.455-06	7.554-02	1.171-08	2.063-03
-2.8	1.675-15	1.754-06	1.155-10	1.799-06	3.171-01	9.820-07	6.820-02	7.571-09	1.958-03
-2.6	5.315-15	3.022-06	2.165-10	3.077-06	2.946-01	6.662-07	6.066-02	4.918-09	1.833-03
-2.4	1.559-14	4.967-06	3.901-10	5.023-06	2.695-01	4.532-07	5.323-02	3.209-09	1.689-03
-2.2	4.274-14	7.831-06	6.772-10	7.871-06	2.428-01	3.086-07	4.616-02	2.103-09	1.533-03
-2.0	1.108-13	1.191-05	1.136-09	1.191-05	2.155-01	2.100-07	3.961-02	1.383-09	1.370-03
-1.8	2.740-13	1.756-05	1.845-09	1.768-05	1.887-01	1.426-07	3.367-02	9.125-10	1.206-03
-1.6	6.522-13	2.524-05	2.911-09	2.504-05	1.631-01	9.673-08	2.839-02	6.034-10	1.049-03
-1.4	1.505-12	3.551-05	4.469-09	3.511-05	1.395-01	6.547-08	2.377-02	4.000-10	9.007-04
-1.2	3.388-12	4.907-05	6.695-09	4.843-05	1.181-01	4.427-08	1.978-02	2.658-10	7.658-04
-1.0	7.473-12	6.683-05	9.810-09	6.595-05	9.918-02	2.992-08	1.638-02	1.772-10	6.456-04
-.8	1.622-11	8.997-05	1.409-08	8.856-05	8.273-02	2.024-08	1.351-02	1.185-10	5.406-04
-.6	3.476-11	1.200-04	1.991-08	1.181-04	6.864-02	1.372-08	1.117-02	7.967-11	4.502-04
-.4	7.376-11	1.588-04	2.773-08	1.563-04	5.671-02	9.338-09	9.129-03	5.389-11	3.737-04
-.2	1.554-10	2.090-04	3.816-08	2.061-04	4.671-02	6.387-09	7.494-03	3.673-11	3.095-04
.0	3.257-10	2.737-04	5.205-08	2.708-04	3.839-02	4.399-09	6.156-03	2.529-11	2.564-04
.2	6.805-10	3.572-04	7.057-08	3.554-04	3.150-02	3.057-09	5.069-03	1.763-11	2.128-04
.4	1.419-09	4.648-04	9.534-08	4.665-04	2.583-02	2.150-09	4.191-03	1.269-11	1.774-04
.6	2.962-09	6.030-04	1.288-07	6.136-04	2.117-02	1.534-09	3.487-03	9.044-12	1.491-04
.8	6.196-09	7.802-04	1.745-07	8.101-04	1.736-02	1.115-09	2.927-03	6.729-12	1.267-04
1.0	1.302-08	1.007-03	2.381-07	1.077-03	1.425-02	8.324-10	2.488-03	5.194-12	1.099-04
1.2	2.761-08	1.300-03	3.285-07	1.444-03	1.174-02	6.665-10	2.151-03	4.213-12	9.678-05
1.4	5.941-08	1.684-03	4.610-07	1.967-03	9.758-03	5.277-10	1.903-03	3.665-12	8.823-05
1.6	1.310-07	2.212-03	6.664-07	2.742-03	8.254-03	4.736-10	1.740-03	3.542-12	8.403-05
1.8	3.024-07	3.004-03	1.001-06	3.982-03	7.252-03	5.001-10	1.675-03	4.074-12	8.551-05
2.0	7.618-07	4.407-03	1.644-06	6.278-03	6.922-03	7.346-10	1.769-03	6.563-12	9.758-05
2.2	2.381-06	8.041-03	3.370-06	1.232-02	8.368-03	2.747-09	2.351-03	2.665-11	1.458-04

T= 1420C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	6.590-04	5.236-05	2.959-05	7.411-C6	2.C79-C5	9.937-06	8.296-08	6.287-10	3.826-08
-6.8	4.694-04	6.052-05	2.176-05	7.419-C6	3.314-C5	1.569-05	1.469-07	1.142-09	7.018-08
-6.6	3.224-04	6.717-05	1.532-05	7.405-C6	5.271-C5	2.488-05	2.442-07	1.779-09	9.447-08
-6.4	2.154-04	7.226-05	1.043-05	7.354-C6	8.371-C5	3.923-05	4.152-37	3.343-09	1.447-07
-6.2	1.412-04	7.586-05	6.929-06	7.288-C6	1.328-04	6.209-05	6.860-07	5.631-09	2.426-07
-6.0	9.140-05	7.837-05	4.525-06	7.185-C6	2.106-04	9.927-05	1.101-06	9.147-09	3.814-07
-5.8	5.865-05	7.992-05	2.927-06	6.975-C6	3.336-04	1.555-04	1.769-06	1.486-08	5.572-07
-5.6	3.743-05	8.100-05	1.872-06	6.550-C6	5.283-04	2.466-04	2.823-06	2.393-08	8.457-07
-5.4	2.381-05	8.172-05	1.194-06	6.284-C6	8.360-04	3.883-04	4.492-06	3.823-08	1.257-06
-5.2	1.512-05	8.220-05	7.625-07	5.734-C6	1.321-03	6.144-04	7.127-06	6.069-08	1.813-06
-5.0	9.601-06	8.254-05	4.839-07	5.039-C6	2.046-03	9.678-04	1.128-05	9.594-08	2.517-06
-4.8	6.098-06	8.281-05	3.087-07	4.234-C6	3.287-03	1.521-03	1.780-05	1.518-07	3.335-06
-4.6	3.878-06	8.306-05	1.967-07	3.389-C6	5.162-03	2.381-03	2.799-05	2.397-07	4.701-06
-4.4	2.472-06	8.335-05	1.261-07	2.589-C6	8.072-03	3.703-03	4.362-05	3.772-07	6.534-06
-4.2	1.582-06	8.372-05	8.133-08	1.901-C6	1.254-02	5.706-03	6.816-05	5.913-07	9.170-06
-4.0	1.018-06	8.422-05	5.294-08	1.358-C6	1.928-C2	8.674-03	1.040-04	9.220-07	1.287-05
-3.8	6.595-07	8.492-05	3.490-08	9.555-C7	2.926-02	1.294-02	1.597-04	1.427-06	1.699-05
-3.6	4.311-07	8.586-05	2.339-08	6.706- 7	4.359-C2	1.945-C2	2.367-04	2.138-06	2.336-05
-3.4	2.869-07	8.705-05	1.599-08	4.765-C7	6.345-C2	2.665-02	3.690-04	3.309-06	3.241-05
-3.2	1.900-07	8.845-05	1.115-08	3.411-C7	8.581-C2	3.639-02	4.965-04	4.917-06	4.464-05
-3.0	1.281-07	8.993-05	7.950-09	2.502-C7	1.232-01	4.796-02	6.853-04	7.179-06	6.518-05
-2.8	8.706-08	9.129-05	5.777-09	1.874-C7	1.634-C1	6.091-02	9.154-04	1.025-05	9.044-05
-2.6	5.950-08	9.224-05	4.263-09	1.432-C7	2.097-C1	7.681-02	1.193-03	1.431-05	9.543-06
-2.4	4.078-08	9.269-05	3.179-09	1.113-C7	2.604-01	8.912-02	1.480-03	1.947-05	1.007-05
-2.2	2.796-08	9.275-09	2.383-09	8.765-C8	3.137-C1	1.033-01	1.796-03	2.583-05	1.040-05
-2.0	1.915-08	8.983-05	1.789-09	6.972-C8	3.675-01	1.170-01	2.118-03	3.334-05	1.113-05
-1.8	1.309-08	8.664-09	1.339-09	5.594-C8	4.202-C1	1.299-01	2.436-03	4.204-05	1.164-05
-1.6	8.924-09	8.221-05	9.962-10	4.494-C8	4.700-01	1.417-01	2.739-03	5.161-05	1.212-05
-1.4	6.069-09	7.672-05	7.360-10	3.627-C8	5.158-01	1.523-01	3.021-03	6.183-05	1.256-05
-1.2	4.121-09	7.041-05	5.394-10	2.933-C8	5.576-C1	1.617-01	3.276-03	7.238-05	1.295-05
-1.0	2.796-09	6.361-05	3.922-10	2.374-C8	5.933-C1	1.698-01	3.503-03	8.292-05	1.330-05
-.8	1.899-09	5.663-05	2.832-10	1.924-C8	6.245-01	1.767-01	3.701-03	9.315-05	1.360-05
-.6	1.292-09	4.977-05	2.034-10	1.561-C8	6.508-01	1.826-01	3.872-03	1.028-04	1.387-05
-.4	8.834-10	4.325-05	1.455-10	1.268-C8	6.725-01	1.876-01	4.019-03	1.117-04	1.410-05
-.2	6.078-10	3.725-05	1.041-10	1.033-C8	6.897-01	1.918-01	4.146-03	1.198-04	1.430-05
.0	4.220-10	3.186-05	7.460-11	8.435-C9	7.026-01	1.953-01	4.258-03	1.270-04	1.449-05
.2	2.968-10	2.714-05	5.380-11	6.919-C9	7.111-01	1.983-01	4.358-03	1.334-04	1.468-05
.4	2.123-10	2.309-05	3.923-11	5.709-C9	7.167-01	2.009-01	4.455-03	1.389-04	1.487-05
.6	1.554-10	1.967-05	2.907-11	4.749-C9	7.197-01	2.033-01	4.555-03	1.434-04	1.510-05
.8	1.173-10	1.685-05	2.206-11	3.995-C9	7.204-01	2.056-01	4.655-03	1.471-04	1.539-05
1.0	9.228-11	1.455-05	1.730-11	3.410-C9	6.877-01	2.078-01	4.745-03	1.516-04	1.575-05
1.2	7.683-11	1.274-05	1.420-11	2.966-C9	6.623-01	2.099-01	4.953-03	1.566-04	1.622-05
1.4	6.927-11	1.135-05	1.263-11	2.644-C9	6.276-01	2.115-01	5.144-03	1.567-04	1.680-05
1.6	7.029-11	1.039-05	1.200-11	2.436-C9	5.830-01	2.122-01	5.371-03	1.552-04	1.752-05
1.8	8.643-11	9.914-C6	1.367-11	2.357-C9	5.299-01	2.109-01	5.631-03	1.510-04	1.836-05
2.0	1.526-10	1.026-05	2.154-11	2.491-C9	4.674-01	2.068-01	5.914-03	1.419-04	1.931-05
2.2	7.091-10	1.332-05	8.518-11	3.330-C9	4.016-01	1.931-01	6.179-03	1.264-04	2.031-05

T= 1420C

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	5.056-01	4.02669+C0	3.80886+01	4.21153+C1	1.3C261+C2	-4.67891+00	4.02703+00
-6.8	5.036-01	4.01057+C0	3.76799+01	4.16904+C1	1.28CC2+C2	-4.48065+00	4.01398+00
-6.6	5.023-01	3.99988+C0	3.74111+01	4.1411C+C1	1.25889+C2	-4.29181+00	4.00333+00
-6.4	5.014-01	3.99279+C0	3.72355+01	4.12283+C1	1.23873+C2	-4.CA258+00	3.99342+00
-6.2	5.009-01	3.98798+C0	3.71203+01	4.1IC83+C1	1.21920+02	-3.88310+00	3.98877+00
-6.0	5.005-01	3.98455+C0	3.70430+01	4.10275+C1	1.2CCC7+02	-3.68348+00	3.98554+00
-5.8	5.001-01	3.98180+C0	3.69878+01	4.C9696+01	1.18117+02	-3.48378+00	3.98305+00
-5.6	4.999-01	3.97922+C0	3.69436+01	4.C9226+01	1.16240+C2	-3.28406+00	3.98078+00
-5.4	4.995-01	3.97632+C0	3.69010+01	4.C8773+C1	1.14366+02	-3.C8438+00	3.97827+00
-5.2	4.991-01	3.97253+C0	3.68515+01	4.C824C+C1	1.12486+02	-2.88479+00	3.97499+00
-5.0	4.985-01	3.96717+C0	3.67848+01	4.C752C+01	1.1C591+C2	-2.68538+00	3.97025+00
-4.8	4.976-01	3.95925+C0	3.66880+01	4.C6472+C1	1.0866[+02	-2.48624+00	3.96312+00
-4.6	4.962-01	3.94738+C0	3.65422+01	4.C49CC+01	1.06703+02	-2.28755+00	3.95220+00
-4.4	4.941-01	3.92955+C0	3.63229+01	4.C2524+C1	1.04669+02	-2.08952+00	3.93553+00
-4.2	4.909-01	3.9C300+C0	3.59933+01	3.98963+01	1.C2536+C2	-1.89246+00	3.91040+00
-4.0	4.860-01	3.86423+C0	3.55083+01	3.9372E+01	1.CC262+02	-1.69679+00	3.87327+00
-3.8	4.788-01	3.8C921+C0	3.48157+01	3.86249+01	9.78013+C1	-1.50302+00	3.82011+00
-3.6	4.687-01	3.73414+C0	3.38655+01	3.75997+01	9.51135+01	-1.31167+00	3.74705+00
-3.4	4.548-01	3.63669+C0	3.26266+01	3.62633+01	9.21765+01	-1.12315+00	3.65183+00
-3.2	4.366-01	3.51725+C0	3.11022+01	3.46195+01	8.9C042+01	-9.37650-01	3.53410+00
-3.0	4.141-01	3.37956+00	2.93392+01	3.27187+C1	8.56525+01	-7.55C00-01	3.39803+00
-2.8	3.874-01	3.23011+C0	2.74202+C1	3.C6503+01	8.22113+01	-5.74660-01	3.24973+00
-2.6	3.572-01	3.07667+C0	2.54451+01	2.85217+01	7.87837+01	-3.95780-01	3.09704+00
-2.4	3.245-01	2.92666+00	2.35092+01	2.6435E+01	7.54659+01	-2.17490-01	2.94731+00
-2.2	2.906-01	2.78587+C0	2.16882+01	2.4474C+C1	7.23300+C1	-3.89000-02	2.80833+00
-2.0	2.566-01	2. 5809+00	2.00319+01	2.269CC+01	6.942C9+01	1.40710-01	2.67801+00
-1.8	2.237-01	2.54520+C0	1.85657+01	2.1110C+01	6.67572+01	3.21860-01	2.56432+00
-1.6	1.927-01	2.44759+C0	1.72952+01	1.97427+01	6.43377+01	5.04880-01	2.46571+00
-1.4	1.643-01	2.36456+C0	1.62125+01	1.8577C+01	6.21476+01	6.89690-01	2.38158+00
-1.2	1.388-01	2.29482+00	1.53015+01	1.75963+01	6.01643+01	8.76890-01	2.31066+00
-1.0	1.163-01	2.23674+00	1.45421+01	1.6778E+C1	5.83619+01	1.06576+00	2.25139+00
-.8	9.695-02	2.18867+C0	1.39124+01	1.61C1C+C1	5.67137+01	1.25631+00	2.20201+00
-.6	8.041-02	2.14868+00	1.33911+01	1.55398+01	5.51940+01	1.44931+00	2.16092+00
-.4	6.666-02	2.11528+C0	1.29576+01	1.5072E+C1	5.37789+01	1.64151+00	2.12609+00
-.2	5.482-02	2.08678+C0	1.25920+01	1.46788+C1	5.24459+01	1.83562+00	2.09612+00
.0	4.519-02	2.06154+C0	1.22750+01	1.43366+01	5.11739+01	2.0303E+00	2.07014+00
.2	3.728-02	2.03782+C0	1.19871+01	1.40246+C1	4.99421+01	2.22531+00	2.04322+00
.4	3.C92-02	2.01378+C0	1.17075+01	1.37213+C1	4.87295+01	2.42015+00	2.01622+00
.6	2.559-02	1.98744+C0	1.14143+C1	1.34C17+01	4.75144+01	2.61444+00	1.98579+00
.8	2.138-02	1.95694+C0	1.10853+01	1.30422+C1	4.62775+01	2.80772+00	1.94914+00
1.0	1.802-02	1.92C94+C0	1.07014+01	1.26724+C1	4.5CCC5+C1	2.99965+00	1.90424+00
1.2	1.538-02	1.87935+C0	1.02512+01	1.21305+01	4.36751+01	3.19015+00	1.84456+00
1.4	1.334-02	1.83405+C0	9.73551+00	1.1569E+C1	4.23043+01	3.37955+00	1.78507+00
1.6	1.187-02	1.78920+C0	9.16899+00	1.C9582+01	4.C9037+01	3.56880+00	1.71229+00
1.8	1.C98-02	1.75107+C0	8.57753+00	1.C3286+C1	3.94975+01	3.75945+00	1.63396+00
2.0	1.C99-02	1.72689+C0	7.99621+00	9.72309+CO	3.81161+01	3.95341+00	1.55355+00
2.2	1.172-02	1.71679+C0	7.44049+00	9.20727+CO	3.68176+01	4.15086+00	1.47673+00

T= 1430

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	7.997-19	1.204-20	1.769-14	2.097-23	.000+00	.000+00	.000+00	1.730-16	6.363-16
-6.8	3.213-18	4.731-20	7.027-19	9.614-23	.000+00	.000+00	.000+00	4.426-14	1.742-15
-6.6	1.286-17	1.866-19	2.792-18	4.269-22	.000+00	.000+00	.000+00	1.125-13	4.364-15
-6.4	5.136-17	7.382-19	1.110-17	1.820-21	.000+00	.000+00	.000+00	2.846-13	1.094-14
-6.2	2.047-16	2.929-18	4.410-17	7.614-21	.000+00	.000+00	.000+00	7.181-13	2.743-14
-6.0	8.152-16	1.160-17	1.753-16	3.113e-20	.000+00	.000+00	.000+00	1.804-12	6.878-14
-5.8	3.242-15	4.601-17	6.961-16	1.272-19	.000+00	.000+00	.000+00	4.565-12	1.724-13
-5.6	1.288-1	1.824-16	2.762-15	5.121-19	.000+00	.000+00	.000+00	1.141-11	4.320-13
-5.4	5.110-14	7.221-16	1.095-14	2.049-18	.000+00	.000+00	.000+00	2.862-11	1.081-12
-5.2	2.023-13	2.852-15	4.329-14	8.158-18	.000+00	.000+00	.000+00	7.166-11	2.701-12
-5.0	7.987-13	1.121-14	1.707-13	3.232-17	.000+00	.000+00	.000+00	1.791-10	6.729-12
-4.8	3.139-12	4.394-14	6.694-13	1.274-16	.000+00	.000+00	.000+00	4.461-10	1.669-11
-4.6	1.226-11	1.705-13	2.606-12	4.992-16	.000+00	.000+00	.000+00	1.106-09	4.114-11
-4.4	4.741-11	6.529-13	1.003-11	1.929-15	.000+00	.000+00	.000+00	2.726-09	1.004-10
-4.2	1.807-10	2.452-12	3.744-11	7.361-15	.000+00	.000+00	.000+00	6.651-09	2.413-10
-4.0	6.745-10	8.956-12	1.401-10	2.753-14	.000+00	.000+00	.000+00	1.599-08	5.677-10
-3.8	2.444-09	3.145-11	4.997-10	1.000-13	.000+00	.000+00	.000+00	3.768-08	1.298-09
-3.6	8.510-09	1.049-10	1.703-09	3.498-13	.000+00	.000+00	.000+00	8.635-08	2.846-09
-3.4	2.816-08	3.282-10	5.478-09	1.166-12	.000+00	.000+00	.000+00	1.910-07	5.950-09
-3.2	8.764-08	9.539-10	1.648-08	3.676-12	.000+00	.000+00	.000+00	4.045-07	1.176-08
-3.0	2.548-07	2.569-09	4.603-08	1.090-11	.000+00	.000+00	.000+00	8.160-07	2.192-08
-2.8	6.893-07	6.358-09	1.193-07	3.034-11	.000+00	.000+00	.000+00	1.563-06	3.854-08
-2.6	1.737-06	1.468-08	2.878-07	7.941-11	.000+00	.000+00	.000+00	2.842-06	6.422-08
-2.4	4.091-06	3.179-08	6.499-07	1.982-10	.000+00	.000+00	.000+00	4.916-06	1.021-07
-2.2	9.061-06	6.514-08	1.369-06	4.595-10	.000+00	.000+00	.000+00	8.121-06	1.561-07
-2.0	1.900-05	1.274-07	2.805-06	1.025-09	.000+00	.000+00	.000+00	1.288-05	2.308-07
-1.8	3.801-05	2.339-07	5.442-06	2.191-09	.000+00	.000+00	.000+00	1.969-05	3.322-07
-1.6	7.301-05	4.174-07	1.019-05	4.499-09	.000+00	.000+00	.000+00	2.919-05	4.675-07
-1.4	1.355-04	7.271-07	1.849-05	8.917-09	.000+00	.000+00	.000+00	4.214-05	6.463-07
-1.2	2.442-04	1.251-06	3.276-05	1.712-08	.000+00	.000+00	.000+00	5.951-05	8.804-07
-1.0	4.299-04	2.109-06	5.677-05	3.195-08	.000+00	.000+00	.000+00	8.250-05	1.185-06
-.8	7.407-04	3.469-06	9.673-05	5.813-08	.000+00	.000+00	.000+00	1.127-04	1.581-06
-.6	1.255-03	6.472-06	1.624-04	1.035-07	.000+00	.000+00	.000+00	1.519-04	2.095-06
-.4	2.096-03	1.067-05	2.695-04	1.806-07	.000+00	.000+00	.000+00	2.028-04	2.761-06
-.2	3.455-03	1.745-05	4.425-04	3.102-07	.000+00	.000+00	.000+00	2.684-04	3.627-06
.0	5.625-03	2.835-05	7.197-04	5.253-07	.000+00	.000+00	.000+00	3.526-04	4.756-06
.2	9.046-03	4.583-05	1.160-03	8.787-07	.000+00	.000+00	.000+00	4.598-04	6.238-06
.4	1.445-02	7.375-05	1.853-03	1.455-06	.000+00	.000+00	.000+00	5.952-04	8.199-06
.6	2.2 -02	1.182-04	2.931-03	2.389-06	.000+00	.000+00	.000+00	7.639-04	1.082-05
.8	3.426-02	1.889-04	4.580-03	3.891-06	.000+00	.000+00	.000+00	9.706-04	1.439-05
1.0	5.113-02	3.007-04	7.052-03	6.290-06	.000+00	.000+00	.000+00	1.219-03	1.934-05
1.2	7.407-02	4.766-04	1.074-02	1.008-05	.000+00	.000+00	.000+00	1.515-03	2.541-05
1.4	1.038-01	7.511-04	1.586-02	1.596-05	.000+00	.000+00	.000+00	1.870-03	3.688-05
1.6	1.402-01	1.174-03	2.352-02	2.488-05	.000+00	.000+00	.000+00	2.318-03	5.329-05
1.8	1.827-01	1.814-03	3.257-02	3.787-05	.000+00	.000+00	.000+00	2.960-03	8.138-05
2.0	2.295-01	2.743-03	4.474-02	5.565-05	.000+00	.000+00	.000+00	4.108-03	1.373-04
2.2	2.766-01	3.907-03	5.833-02	7.636-05	.000+00	.000+00	.000+00	7.341-03	2.924-04

T= 1430

LOG E	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.977-31	2.269-14	6.987-19	2.729-14	3.747-01	1.234-02	1.039-01	1.264-04	1.576-03
-6.8	1.837-30	5.741-14	2.041-18	6.763-14	3.808-01	7.987-03	1.044-01	8.093-05	1.791-03
-6.6	1.141-29	1.449-13	5.725-18	1.681-13	3.849-01	5.126-03	1.047-01	5.157-05	1.961-03
-6.4	7.126-29	3.648-13	1.554-17	4.202-13	3.875-01	3.271-03	1.049-01	3.275-05	2.087-03
-6.2	4.463-28	9.174-13	4.114-17	1.051-12	3.892-01	2.079-03	1.051-01	2.076-05	2.175-03
-6.0	2.800-27	2.305-12	1.070-16	2.631-12	3.902-01	1.319-03	1.051-01	1.314-05	2.234-03
-5.8	1.757-26	5.787-12	2.746-16	6.589-12	3.909-01	8.353-04	1.052-01	8.309-06	2.274-03
-5.6	1.103-25	1.451-11	6.988-16	1.650-11	3.912-01	5.287-04	1.052-01	5.253-06	2.299-03
-5.4	6.911-25	3.636-11	1.768-15	4.130-11	3.914-01	3.345-04	1.051-01	3.321-06	2.315-03
-5.2	4.329-24	9.095-11	4.451-15	1.032-10	3.914-01	2.117-04	1.050-01	2.099-06	2.325-03
-5.0	2.689-23	2.269-10	1.116-14	2.573-10	3.912-01	1.341-04	1.048-01	1.327-06	2.330-03
-4.8	1.662-22	5.661-10	2.788-14	6.353-10	3.908-01	8.499-05	1.044-01	8.397-07	2.332-03
-4.6	1.017-21	1.395-09	6.926-14	1.579-09	3.901-01	5.396-05	1.039-01	5.314-07	2.332-03
-4.4	6.125-21	3.419-09	1.709-13	3.864-09	3.890-01	3.435-05	1.031-01	3.366-07	2.328-03
-4.2	3.603-20	8.281-09	4.174-13	9.353-09	3.873-01	2.194-05	1.019-01	2.134-07	2.321-03
-4.0	2.048-19	1.970-08	1.009-12	2.220-08	3.846-01	1.407-05	1.001-01	1.354-07	2.309-03
-3.8	1.110-18	4.569-08	2.375-12	5.132-08	3.805-01	9.087-06	9.751-02	8.608-08	2.290-03
-3.6	5.648-18	1.029-07	5.467-12	1.146-07	3.746-01	5.913-06	9.395-02	5.482-08	2.262-03
-3.4	2.857-17	2.204-07	1.218-11	2.451-07	3.662-01	3.882-06	8.931-02	3.500-08	2.221-03
-3.2	1.141-16	4.509-07	2.614-11	4.983-07	3.548-01	2.574-06	8.358-02	2.242-08	2.163-03
-3.0	4.445-16	8.743-07	5.377-11	9.589-07	3.398-01	1.722-06	7.694-02	1.442-08	2.085-03
-2.8	1.571-15	1.604-06	1.06 -10	1.746-06	3.212-01	1.161-06	6.969-02	9.316-09	1.985-03
-2.6	5.070-15	2.793-06	2.001-10	3.017-06	2.993-01	7.877-07	6.217-02	6.049-09	1.864-03
-2.4	1.509-14	4.632-06	3.631-10	4.969-06	2.747-01	5.360-07	5.470-02	3.946-09	1.724-03
-2.2	4.190-14	7.360-06	44-10	7.846-06	2.483-01	3.652-07	4.755-02	2.586-09	1.570-03
-2.0	1.097-13	1.127-05	1.070-09	1.195-05	2.211-01	2.488-07	4.089-02	1.701-09	1.408-03
-1.8	2.738-13	1.672-05	1.748-09	1.769-05	1.941-01	1.692-07	3.482-02	1.123-09	1.245-03
-1.6	6.566-13	2.415-05	2.771-09	2.539-05	1.682-01	1.149-07	2.942-02	7.427-10	1.085-03
-1.4	1.525-12	3.412-05	4.273-09	3.577-05	1.442-01	7.790-08	2.467-02	4.927-10	9.350-04
-1.2	3.448-12	4.732-05	6.427-09	4.949-05	1.223-01	5.275-08	2.056-02	3.277-10	7.970-04
-1.0	7.636-12	6.464-05	9.451-09	6.749-05	1.029-01	3.571-08	1.705-02	2.186-10	6.734-04
-.8	1.663-11	8.724-05	1.362-08	9.099-05	8.601-02	2.420-08	1.409-02	1.464-10	5.649-04
-.6	3.574-11	1.166-04	1.930-08	1.215-04	7.147-02	1.643-08	1.159-02	9.851-11	4.713-04
-.4	7.602-11	1.546-04	2.694-08	1.613-04	5.913-02	1.120-08	9.529-03	6.570-11	3.917-04
-.2	1.605-10	2.038-04	3.716-08	2.129-04	4.876-02	7.670-09	7.828-03	4.552-11	3.248-04
.0	3.369-10	2.674-04	5.078-08	2.801-04	4.012-02	5.292-09	6.435-03	3.137-11	2.693-04
.2	7.048-10	3.496-04	6.896-08	3.679-04	3.297-02	3.685-09	5.302-03	2.190-11	2.237-04
.4	1.472-09	4.554-04	9.332-08	4.834-04	2.707-02	2.597-09	4.385-03	1.554-11	1.867-04
.6	3.075-09	5.920-04	1.262-07	6.363-04	2.222-02	1.858-09	3.650-03	1.127-11	1.569-04
.8	6.439-09	7.677-04	1.713-07	8.407-04	1.825-02	1.356-09	3.065-03	8.401-12	1.334-04
1.0	1.355-08	9.938-04	2.341-07	1.118-03	1.502-02	1.016-09	2.606-03	6.500-12	1.153-04
1.2	2.876-08	1.286-03	3.237-07	1.500-03	1.241-02	7.907-10	2.255-03	5.289-12	1.019-04
1.4	6.193-08	1.673-03	4.558-07	2.044-03	1.034-02	6.519-10	1.997-03	4.621-12	9.297-05
1.6	1.368-07	2.207-03	6.600-07	2.852-03	8.784-03	5.904-10	1.829-03	4.495-12	8.866-05
1.8	3.163-07	3.012-03	1.001-06	4.150-03	7.756-03	6.314-10	1.765-03	5.225-12	9.043-05
2.0	7.997-07	4.491-03	1.660-06	6.563-03	7.456-03	9.690-10	1.872-03	8.582-12	1.037-04
2.2	2.524-06	8.248-03	3.463-06	1.303-02	9.174-03	3.791-09	2.523-03	3.712-11	1.572-04

T= 1.47CC

LOG E	A**	C*	C**	NE*	N	C	A	C	NE
-7.0	7.381-04	4.943-05	3.235-05	7.401-06	1.894-05	4.095-06	7.178-08	5.534-10	3.353-
-6.8	5.342-04	5.799-05	2.617-05	7.417-06	3.022-05	1.435-05	1.280-07	1.025-09	5.276-08
-6.6	3.714-04	6.517-05	1.725-05	7.410-06	4.810-05	2.268-05	2.268-07	1.805-09	8.302-08
-6.4	2.535-04	7.072-05	1.184-05	7.378-06	7.662-05	3.582-05	3.784-07	3.041-09	1.374-07
-6.2	1.652-04	7.476-05	7.939-06	7.314-06	1.213-04	5.675-05	6.106-07	5.163-09	2.044-07
-6.0	1.074-04	7.756-05	5.410-06	7.207-06	1.923-04	8.991-05	9.922-07	8.471-09	3.144-07
-5.8	6.909-05	7.945-05	3.374-06	7.039-06	3.048-04	1.421-04	1.547-06	1.373-08	4.925-07
-5.6	4.417-05	8.070-05	2.167-06	6.785-06	4.827-04	2.248-04	2.558-06	2.228-08	7.505-07
-5.4	2.813-05	8.152-05	1.395-06	6.417-06	7.634-04	3.564-04	4.071-06	3.525-08	1.123-06
-5.2	1.788-05	8.208-05	8.922-07	5.910-06	1.208-03	5.614-04	6.444-06	5.613-08	1.635-06
-5.0	1.136-05	8.244-05	5.615-07	5.258-06	1.907-03	8.853-04	1.024-05	8.938-08	2.278-06
-4.8	7.212-06	8.273-05	3.576-07	4.479-06	3.006-03	1.392-03	1.618-05	1.410-07	3.048-06
-4.6	4.586-06	8.293-05	2.282-07	3.637-06	4.725-03	2.181-03	2.544-05	2.228-07	3.942-06
-4.4	2.923-06	8.327-05	1.461-07	2.814-06	7.395-03	3.397-03	3.987-05	3.503-07	4.749-06
-4.2	1.869-06	8.362-05	9.413-08	2.091-06	1.150-02	5.245-03	6.211-05	5.506-07	5.569-06
-4.0	1.202-06	8.409-05	6.111-08	1.504-06	1.773-02	7.997-03	9.540-05	8.592-07	6.224-06
-3.8	7.776-07	8.474-05	4.022-08	1.064-06	2.698-02	1.199-02	1.463-04	1.332-06	6.766-06
-3.6	5.076-07	8.562-05	2.696-08	7.480-07	4.036-02	1.756-02	2.195-04	2.044-06	7.226-06
-3.4	3.347-07	8.674-05	1.828-08	5.288-07	5.903-02	2.695-02	3.224-04	3.034-06	7.640-06
-3.2	2.231-07	8.809-05	1.270-08	3.791-07	8.403-02	3.631-02	4.615-04	4.623-06	8.050-06
-3.0	1.502-07	8.953-05	9.014-09	2.771-07	1.160-01	4.551-02	6.411-04	6.772-06	8.479-06
-2.8	1.021-07	9.089-05	6.531-09	2.068-07	1.549-01	5.923-02	9.023-04	9.711-06	8.940-06
-2.6	6.976-08	9.190-05	4.807-09	1.575-07	2.000-01	7.194-02	1.122-03	1.361-05	9.434-06
-2.4	4.784-08	9.225-05	3.578-09	1.221-07	2.499-01	8.624-02	1.413-03	1.866-05	9.956-06
-2.2	3.285-08	9.167-05	2.690-09	9.536-08	3.028-01	1.005-01	1.725-03	2.479-05	1.049-05
-2.0	2.256-08	8.933-05	2.011-09	7.621-08	3.566-01	1.143-01	2.047-03	3.215-05	1.102-05
-1.8	1.543-08	8.693-05	1.506-09	6.049-08	4.096-01	1.274-01	2.367-03	4.066-05	1.154-05
-1.6	1.054-08	8.270-05	1.122-09	4.905-08	4.600-01	1.396-01	2.674-03	5.011-05	1.202-05
-1.4	7.183-09	7.736-05	8.307-10	3.958-08	5.067-01	1.502-01	2.960-03	6.025-05	1.247-05
-1.2	4.886-09	7.119-05	6.100-10	3.201-08	5.488-01	1.590-01	3.221-03	7.076-05	1.287-05
-1.0	3.312-09	6.447-05	4.444-10	2.592-08	5.860-01	1.662-01	3.454-03	8.132-05	1.323-05
-.8	2.260-09	5.759-05	3.211-10	2.101-08	6.182-01	1.714-01	3.658-03	9.161-05	1.354-05
-.6	1.541-09	5.068-05	2.314-10	1.705-08	6.455-01	1.746-01	3.835-03	1.014-04	1.381-05
-.4	1.055-09	4.411-05	1.660-10	1.388-08	6.680-01	1.766-01	3.987-03	1.104-04	1.405-05
-.2	7.268-10	3.805-05	1.184-10	1.129-08	6.861-01	1.769-01	4.119-03	1.189-04	1.426-05
.0	5.054-10	3.260-05	8.542-11	9.223-09	6.998-01	1.765-01	4.233-03	1.259-04	1.445-05
.2	3.559-10	2.781-05	6.176-11	7.568-09	7.090-01	1.756-01	4.337-03	1.324-04	1.464-05
.4	2.550-10	2.368-05	4.511-11	6.244-09	7.134-01	2.003-01	4.435-03	1.388-04	1.484-05
.6	1.870-10	2.020-05	3.351-11	5.195-09	7.124-01	2.027-01	4.536-03	1.453-04	1.506-05
.8	1.414-10	1.732-05	2.550-11	4.370-09	7.048-01	2.050-01	4.646-03	1.676-04	1.534-05
1.0	1.115-10	1.499-05	2.006-11	3.730-09	6.895-01	2.071-01	4.772-03	1.512-04	1.569-05
1.2	9.338-11	1.314-05	1.653-11	3.245-09	6.653-01	2.092-01	4.927-03	1.561-04	1.615-05
1.4	8.427-11	1.178-05	1.457-11	2.889-09	6.315-01	2.104-01	5.116-03	1.594-04	1.672-05
1.6	8.606-11	1.079-05	1.420-11	2.670-09	5.881-01	2.114-01	5.337-03	1.594-04	1.742-05
1.8	1.069-10	1.036-05	1.639-11	2.591-09	5.358-01	2.110-01	5.596-03	1.516-04	1.825-05
2.0	1.425-10	1.083-05	2.646-11	2.752-09	4.756-01	2.091-01	5.874-03	1.438-04	1.920-05
2.2	9.534-10	1.434-05	1.121-10	3.741-09	4.075-01	1.918-01	6.129-03	1.280-04	2.019-05

T= 1.43CC

LOG E	E-	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.066-01	4.03499+00	3.80796+01	4.21145+01	1.3C519+02	-4.67498+00	4.03523+00
-6.8	5.043-01	4.01400+00	3.76033+01	4.1A193+01	1.28189+02	-4.47702+00	4.01641+00
-6.6	5.027-01	4.00344+00	3.72887+01	4.12921+01	1.26028+02	-4.27836+00	4.00395+00
-6.4	5.017-01	3.99512+00	3.70827+01	4.10778+01	1.23981+02	-4.07928+00	3.99574+00
-6.2	5.010-01	3.98852+00	3.69479+01	4.09374+01	1.22007+02	-3.87989+00	3.99030+00
-6.0	5.006-01	3.98559+00	3.68581+01	4.08437+01	1.20081+02	-3.68032+00	3.98657+00
-5.8	5.002-01	3.98258+00	3.67956+01	4.07781+01	1.18184+02	-3.48065+00	3.98341+00
-5.6	4.999-01	3.97988+00	3.67474+01	4.07273+01	1.16302+02	-3.28094+00	3.98142+00
-5.4	4.996-01	3.97733+00	3.67036+01	4.06808+01	1.14426+02	-3.08126+00	3.97893+00
-5.2	4.992-01	3.97337+00	3.66553+01	4.06286+01	1.12547+02	-2.88165+00	3.97580+00
-5.0	4.987-01	3.96836+00	3.65925+01	4.05608+01	1.10656+02	-2.68226+00	3.97137+00
-4.8	4.978-01	3. 6097+00	3.65029+01	4.04635+01	1.08740+02	-2.48301+00	3.96480+00
-4.6	4.966-01	3.54937+00	3.63693+01	4.03193+01	1.06785+02	-2.28422+00	3.95475+00
-4.4	4.946-01	3.93366+00	3.61677+01	4.01011+01	1.04768+02	-2.08604+00	3.93943+00
-4.2	4.916-01	3.90884+00	3.58647+01	3.97735+01	1.02659+02	-1.88876+00	3.91618+00
-4.0	4.871-01	3.87273+00	3.54171+01	3.92898+01	1.00419+02	-1.69279+00	3.88176+00
-3.8	4.804-01	3.82118+00	3.47736+01	3.85948+01	9.80034+01	-1.49861+00	3.83208+00
-3.6	4.709-01	3.75028+00	3.38834+01	3.76337+01	9.53695+01	-1.30675+00	3.76323+00
-3.4	4.579-01	3.65729+00	3.27103+01	3.63676+01	9.24894+01	-1.11765+00	3.67236+00
-3.2	4.406-01	3.54200+00	3.12502+01	3.47927+01	8.93706+01	-9.31560-01	3.55903+00
-3.0	4.189-01	3.40750+00	2.95404+01	3.29479+01	8.60602+01	-7.48370-01	3.42833+00
-2.8	3.930-01	3.25983+00	2.76578+01	3.0917e+01	8.26421+01	-5.67620-01	3.28 +00
-2.6	3.634-01	3.10A63+00	2.56997+01	2.88C63+01	7.92177+01	-3.88520-01	3.12766+00
-2.4	3.312-01	2.95550+00	2.37630+01	2.67185+01	7.58854+01	-2.10180-01	2.97699+00
-2.2	2.975-01	2.81260+00	2.19274+01	2.47400+01	7.27222+01	-3.17000-02	2.83348+00
-2.0	2.634-01	2.68211+00	2.02475+01	2.29296+01	6.97778+01	1.47670-01	2.70291+00
-1.8	2.303-01	2.56627+00	1.87530+01	2.13193+01	6.70755+01	3.28490-01	2.58628+00
-1.6	1.989-01	2.46570+00	1.74529+01	1.99186+01	6.46173+01	5.11130-01	2.48473+00
-1.4	1.699-01	2.37991+00	1.63415+01	1.87214+01	6.23908+01	6.95750-01	2.39781+00
-1.2	1.438-01	2.30768+00	1.54041+01	1.77118+01	6.03746+01	8.82360-01	2.32437+00
-1.0	1.208-01	2.24743+00	1.46212+01	1.68688+01	5.85634+01	1.07088+00	2.26289+00
-.8	1.008-01	2.19766+00	1.39715+01	1.61690+01	5.68706+01	1.26111+00	2.21164+00
-.6	8.373-02	2.15601+00	1.34334+01	1.55894+01	5.53304+01	1.45284+00	2.16889+00
-.4	6.929-02	2.12141+00	1.29862+01	1.51076+01	5.38986+01	1.64581+00	2.13292+00
-.2	5.721-02	2.09200+00	1.26101+01	1.47021+01	5.25525+01	1.83975+00	2.10200+00
.0	4.720-02	2.06614+00	1.22857+01	1.43518+01	5.12707+01	2.03435+00	2.07436+00
.2	3.897-02	2.04211+00	1.19934+01	1.40355+01	5.00326+01	2.22927+00	2.04810+00
.4	3.224-02	2.01808+00	1.17128+01	1.37309+01	4.88170+01	2.42413+00	2.02108+00
.6	2.678-02	1.99210+00	1.14220+01	1.34161+01	4.76028+01	2.61850+00	1.99088+00
.8	2.238-02	1.96227+00	1.10969+01	1.30612+01	4.63690+01	2.81195+00	1.95698+00
1.0	1.887-02	1.92720+00	1.07236+01	1.26508+01	4.50990+01	3.00412+00	1.91908+00
1.2	1.611-02	1.88665+00	1.02836+01	1.21702+01	4.37797+01	3.19488+00	1.85729+00
1.4	1.398-02	1.84227+00	9.77787+00	1.16201+01	4.24153+01	3.38454+00	1.79366+00
1.6	1.244-02	1.79404+00	9.21443+00	1.10175+01	4.10199+01	3.57393+00	1.72162+00
1.8	1.153-02	1.74007+00	8.63333+00	1.03936+01	3.96140+01	3.76472+00	1.64321+00
2.0	1.158-02	1.73540+00	9.05514+00	9.79054+00	3.82317+01	3.95859+00	1.56257+00
2.2	1.492-02	1.72284+00	7.55547+00	9.27831+00	3.69358+01	4.15543+00	1.48569+00

T= 1440C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	6.287-19	9.904-21	1.427-19	1.509-23	.CCC+CC	.CCC+00	.CCC+00	1.495-14	6.194-16
-6.8	2.531-18	3.883-20	5.671-19	7.379-23	.CCC+00	.000+00	.000+00	3.839-14	1.566-15
-6.6	1.014-17	1.530-19	2.253-18	3.288-22	.CCC+CC	.000+00	.000+00	9.778-14	3.872-15
-6.4	4.053-17	6.045-19	8.954-18	1.425-21	.CCC+CC	.000+00	.000+00	2.478-13	9.703-15
-6.2	1.617-16	2.394-18	3.559-17	6.001-21	.CCC+CC	.CCC+00	.000+00	6.297-13	2.443-14
-6.0	6.439-16	9.490-18	1.414-16	2.473-20	.CCC+00	.000+00	.000+00	1.576-12	6.100-14
-5.8	2.562-15	3.763-17	5.617-16	1.010-19	.CCC+CC	.CCC+00	.000+00	3.994-12	1.529-13
-5.6	1.018-14	1.492-16	2.229-15	4.078-19	.CCC+CC	.000+00	.000+00	9.957-12	3.832-13
-5.4	4.040-14	5.908-16	8.837-15	1.634-18	.CCC+CC	.CCC+00	.000+00	2.498-11	9.542-13
-5.2	1.600-13	2.335-15	3.498-14	6.516-18	.CCC+00	.CCC+CC	.000+00	6.259-11	2.397-12
-5.0	6.320-13	9.197-15	1.379-13	2.594-17	.CCC+CC	.000+00	.000+00	1.564-10	5.976-12
-4.8	2.487-12	3.604-14	5.415-13	1.029-16	.CCC+CC	.CCC+00	.000+00	3.849-10	1.484-11
-4.6	9.724-12	1.401-13	2.111-12	3.994-16	.CCC+CC	.CCC+00	.000+00	9.681-10	3.642-11
-4.4	3.769-11	5.388-13	8.146-12	1.550-15	.CCC+00	.CCC+00	.000+00	2.399-09	8.955-11
-4.2	1.461-10	2.029-12	3.093-11	5.934-15	.CCC+CC	.CCC+00	.000+00	5.840-09	2.160-10
-4.0	5.403-10	7.456-12	1.148-10	2.229-14	.CCC+CC	.CCC+00	.000+00	1.409-08	5.105-10
-3.8	1.970-09	2.641-11	4.126-10	8.145-14	.CCC+CC	.CCC+00	.000+00	3.334-08	1.173-09
-3.6	6.917-09	8.904-11	1.420-09	2.871-13	.CCC+CC	.CCC+00	.000+00	7.695-08	2.598-09
-3.4	2.313-08	2.822-10	4.522-09	9.665-13	.CCC+CC	.CCC+00	.000+00	1.712-07	5.686-09
-3.2	7.289-08	8.322-10	1.409-08	3.081-12	.CCC+CC	.CCC+00	.000+00	3.659-07	1.197-08
-3.0	2.148-07	2.269-09	3.994-08	9.241-12	.CCC+CC	.000+00	.000+00	7.454-07	2.368-08
-2.8	5.892-07	5.719-09	1.050-07	2.662-11	.CCC+00	.000+00	.CCC+00	1.442-06	3.676-08
-2.6	1.505-06	1.339-08	2.567-07	6.887-11	.CCC+CC	.CCC+00	.000+00	2.744-06	6.198-08
-2.4	3.589-06	2.933-08	5.869-07	1.719-10	.CCC+CC	.CCC+00	.CCC+00	4.626-06	9.926-08
-2.2	8.041-06	6.270-08	1.266-06	4.062-10	.CCC+00	.CCC+00	.000+00	7.711-06	1.528-07
-2.0	1.704-05	1.197-07	2.584-06	9.140-10	.CCC+CC	.000+00	.000+00	1.232-05	2.274-07
-1.8	3.438-05	2.270-07	5.033-06	1.967-09	.CCC+CC	.CCC+00	.CCC+00	1.897-05	3.289-07
-1.6	6.652-05	4.163-07	9.519-06	4.065-09	.CCC+CC	.CCC+00	.CCC+00	2.829-05	4.653-07
-1.4	1.242-04	7.431-07	1.779-05	8.102-09	.CCC+00	.CCC+00	.000+00	4.106-05	6.450-07
-1.2	2.251-04	1.297-06	3.091-05	1.563-08	.CCC+CC	.CCC+00	.000+00	5.823-05	8.813-07
-1.0	3.970-04	2.224-06	5.380-05	2.930-08	.CCC+CC	.CCC+00	.CCC+00	8.103-05	1.190-06
-.8	6.863-04	3.755-06	9.196-05	5.351-08	.CCC+CC	.CCC+00	.000+00	1.110-04	1.570-06
-.6	1.170-03	6.262-06	1.548-04	9.554-08	.CCC+CC	.000+00	.000+00	1.501-04	2.110-06
-.4	1.959-03	1.034-05	2.575-04	1.673-07	.CCC+CC	.CCC+CC	.000+00	2.009-04	2.785-06
-.2	3.237-03	1.694-05	4.235-04	2.879-07	.CCC+CC	.CCC+00	.CCC+00	2.665-04	3.663-06
.0	5.281-03	2.755-05	6.899-04	4.885-07	.CCC+CC	.CCC+00	.000+00	3.537-04	4.809-06
.2	8.511-03	4.457-05	1.114-03	8.186-07	.CCC+CC	.CCC+00	.000+00	4.684-04	6.314-06
.4	1.353-02	7.177-05	1.782-03	1.357-06	.CCC+CC	.CCC+00	.000+00	6.949-04	8.376-06
.6	2.117-02	1.151-04	2.823-03	2.231-06	.CCC+CC	.CCC+00	.CCC+00	7.656-04	1.097-05
.8	3.249-02	1.839-04	4.419-03	3.638-06	.CCC+CC	.000+00	.000+00	9.752-04	1.440-05
1.0	4.867-02	2.929-04	6.821-03	5.887-06	.CCC+00	.CCC+00	.000+00	1.232-03	1.964-05
1.2	7.082-02	4.643-04	1.035-02	9.445-06	.CCC+CC	.CCC+00	.000+00	1.535-03	2.684-05
1.4	9.968-02	7.320-04	1.540-02	1.499-05	.CCC+CC	.CCC+00	.00 +00	1.909-03	3.753-05
1.6	1.354-01	1.145-03	2.241-02	2.342-05	.CCC+CC	.CCC+00	.000+00	2.383-03	5.435-05
1.8	1.772-01	1.768-03	3.179-02	3.577-05	.CCC+CC	.CCC+00	.000+00	3.065-03	8.326-05
2.0	2.236-01	2.673-03	4.375-02	5.277-05	.CCC+CC	.CCC+00	.000+00	4.294-03	1.412-04
2.2	2.702-01	3.787-03	5.698-02	7.244-05	.CCC+00	.CCC+00	.000+00	7.839-03	3.045-04

T= 1440C

LOG C	C2-	NC+	CC+	O-	N+	N++	C+	O++	A+
-7.0	2.500-31	1.937-14	5.765-19	2.492-14	3.716-01	1.453-02	1.034-01	1.543-04	1.489-03
-6.8	1.538-30	4.999-14	1.707-18	6.161-14	3.787-01	9.445-03	1.042-01	9.902-05	1.713-03
-6.6	9.526-30	1.239-13	4.847-18	1.531-13	3.835-01	6.080-03	1.046-01	6.320-05	1.905-03
-6.4	5.938-29	3.123-13	1.329-17	3.818-13	3.866-01	3.887-03	1.049-01	4.018-05	2.046-03
-6.2	3.715-28	7.859-13	3.542-17	9.543-13	3.886-01	2.474-03	1.050-01	2.549-05	2.147-03
-6.0	2.329-27	1.975-12	9.257-17	2.388-12	3.899-01	1.571-03	1.051-01	1.614-05	2.216-03
-5.8	1.462-26	4.960-12	2.385-16	5.980-12	3.907-01	9.953-04	1.052-01	1.021-05	2.261-03
-5.6	9.171-26	1.244-11	6.084-16	1.498-11	3.911-01	6.301-04	1.052-01	6.456-06	2.291-03
-5.4	5.749-25	3.118-11	1.542-15	3.744-11	3.913-01	3.988-04	1.051-01	4.082-06	2.310-03
-5.2	3.595-24	7.801-11	3.886-15	9.370-11	3.914-01	2.524-04	1.050-01	2.580-06	2.322-03
-5.0	2.240-23	1.947-10	9.755-15	2.337-10	3.912-01	1.598-04	1.048-01	1.632-06	2.329-03
-4.8	1.387-22	4.849-10	2.439-14	5.812-10	3.909-01	1.013-04	1.045-01	1.032-06	2.332-03
-4.6	8.504-22	1.199-09	6.065-14	1.437-09	3.903-01	6.431-05	1.040-01	6.533-07	2.332-03
-4.4	5.139-21	2.946-09	1.499-13	3.527-09	3.892-01	4.091-05	1.033-01	4.137-07	2.329-03
-4.2	3.038-20	7.154-09	3.669-13	8.593-09	3.877-01	2.611-05	1.022-01	2.623-07	2.323-03
-4.0	1.740-19	1.708-08	8.864-13	2.038-08	3.852-01	1.674-05	1.005-01	1.665-07	2.312-03
-3.8	9.528-19	3.984-08	2.103-12	4.739-08	3.815-01	1.080-05	9.808-02	1.058-07	2.295-03
-3.6	4.913-18	9.001-08	4.866-12	1.066-07	3.760-01	7.016-06	9.473-02	6.737-08	2.270-03
-3.4	2.349-17	1.952-07	1.091-11	2.301-07	3.681-01	4.600-06	9.030-02	4.300-08	2.232-03
-3.2	1.027-16	4.036-07	2.359-11	4.725-07	3.573-01	3.045-06	8.476-02	2.754-08	2.178-03
-3.0	4.080-16	7.909-07	4.892-11	9.192-07	3.430-01	2.035-06	7.831-02	1.770-08	2.105-03
-2.8	1.469-15	1.467-06	9.717-11	1.692-06	3.252-01	1.371-06	7.115-02	1.143-08	2.010-03
-2.6	4.823-15	2.574-06	1.949-10	2.952-06	3.039-01	9.295-07	6.366-02	7.420-09	1.894-03
-2.4	1.457-14	4.317-06	3.579-10	4.906-06	2.798-01	6.326-07	5.616-02	4.840-09	1.758-03
-2.2	4.099-14	6.915-06	5.942-10	7.809-06	2.536-01	4.313-07	4.834-02	3.171-09	1.607-03
-2.0	1.085-13	1.066-05	1.008-09	1.197-05	2.265-01	2.940-07	4.218-02	2.086-09	1.447-03
-1.8	2.732-13	1.591-05	1.656-09	1.779-05	1.995-01	2.003-07	3.599-02	1.377-09	1.283-03
-1.6	6.600-13	2.310-05	2.637-09	2.573-05	1.734-01	1.362-07	3.046-02	9.118-10	1.122-03
-1.4	1.542-12	3.278-05	4.085-09	3.639-05	1.489-01	9.245-08	2.559-02	6.052-10	9.695-04
-1.2	3.505-12	4.563-05	6.169-09	5.057-05	1.266-01	6.270-08	2.135-02	4.029-10	8.286-04
-1.0	7.794-12	6.254-05	9.105-09	6.911-05	1.068-01	4.251-08	1.773-02	2.690-10	7.016-04
-.8	1.703-11	8.462-05	1.317-08	9.341-05	8.936-02	2.895-08	1.466-02	1.803-10	5.897-04
-.6	3.671-11	1.133-04	1.870-08	1.250-04	7.436-02	1.962-08	1.209-02	1.215-10	4.928-04
-.4	7.827-11	1.506-04	2.618-08	1.662-04	6.161-02	1.339-08	9.941-03	8.233-11	4.102-04
-.2	1.655-10	1.989-04	3.619-08	2.197-04	5.087-02	9.188-09	8.173-03	5.525-11	3.406-04
.0	3.481-10	2.614-04	4.955-08	2.895-04	4.191-02	6.351-09	6.723-03	3.882-11	2.827-04
.2	7.294-10	3.422-04	6.741-08	3.807-04	3.447-02	4.431-09	5.542-03	2.716-11	2.350-04
.4	1.525-09	4.466-04	9.135-08	5.006-04	2.834-02	3.129-09	4.588-03	1.929-11	1.962-04
.6	3.190-09	5.815-04	1.238-07	6.595-04	2.330-02	2.245-09	3.819-03	1.400-11	1.650-04
.8	6.687-09	7.556-04	1.682-07	8.719-04	1.917-02	1.643-09	3.209-03	1.046-11	1.403-04
1.0	1.408-08	9.806-04	2.302-07	1.160-03	1.581-02	1.237-09	2.729-03	8.112-12	1.213-04
1.2	2.993-08	1.273-03	3.191-07	1.558-03	1.310-02	9.674-10	2.362-03	6.621-12	1.073-04
1.4	6.454-08	1.662-03	4.507-07	2.124-03	1.095-02	8.032-10	2.094-03	5.811-12	9.790-05
1.6	1.428-07	2.201-03	6.554-07	2.967-03	9.338-03	7.339-10	1.920-03	5.691-12	9.347-05
1.8	3.308-07	3.021-03	1.001-06	4.323-03	8.286-03	7.952-10	1.854-03	6.405-12	9.556-05
2.0	8.393-07	4.495-03	1.675-06	6.861-03	8.023-03	1.221-09	1.940-03	1.120-11	1.101-04
2.2	2.678-06	8.468-03	3.559-06	1.380-02	1.006-02	5.250-09	2.710-03	5.190-11	1.696-04

T= 1440.

LOG C	A**	C*	C**	N2*	N	O	A	C	Nf
-7.0	8.200-04	4.647-05	3.512-05	7.389-06	1.726-05	8.934-04	[illegible]	4.861-10	2.946-08
-6.8	6.035-06	5.535-05	2.669-05	7.411-06	2.757-05	1.315-05	1.120-07	9.078-10	4.634-08
-6.6	4.253-04	6.102-05	1.932-05	7.412-06	4.393-05	2.076-05	1.953-07	1.626-09	7.291-08
-6.4	2.897-04	6.910-05	1.343-05	7.388-06	6.984-05	3.263-05	3.368-07	2.812-09	1.148-07
-6.2	1.925-04	7.360-05	9.081-06	7.335-06	1.109-04	5.193-05	5.482-07	4.730-09	1.797-07
-6.0	1.257-04	7.677-05	5.979-06	7.242-06	1.759-04	8.218-05	8.949-07	7.801-09	2.804-07
-5.8	8.115-05	7.892-05	3.887-06	7.094-06	2.787-04	1.300-04	1.444-06	1.269-08	4.347-07
-5.6	5.199-05	8.035-05	2.503-06	6.868-06	4.415-04	2.057-04	2.315-06	2.043-08	6.858-07
-5.4	3.316-05	8.129-05	1.602-06	6.536-06	6.989-04	3.253-04	3.693-06	3.270-08	1.082-06
-5.2	2.109-05	8.191-05	1.021-06	6.072-06	1.105-03	5.133-04	5.869-06	5.241-08	1.672-06
-5.0	1.340-05	8.234-05	6.504-07	5.460-06	1.746-03	8.105-04	9.300-06	8.277-08	2.602-06
-4.8	8.511-06	8.266-05	4.142-07	4.713-06	2.733-03	1.275-03	1.470-05	1.311-07	2.850-06
-4.6	5.412-06	8.292-05	2.642-07	3.853-06	4.329-03	2.022-03	2.315-05	2.072-07	3.644-06
-4.4	3.448-06	8.320-05	1.691-07	3.048-06	6.781-03	3.119-03	3.632-05	3.265-07	4.560-06
-4.2	2.206-06	8.353-05	1.086-07	2.391-06	1.050-02	4.824-03	5.665-05	5.127-07	5.360-06
-4.0	1.415-06	8.397-05	7.058-08	1.864-06	1.631-02	7.373-03	8.764-05	8.011-07	6.050-06
-3.8	9.150-07	8.458-05	4.628-08	1.482-06	2.489-02	1.109-02	1.341-04	1.243-06	6.624-06
-3.6	5.955-07	8.540-05	3.081-08	8.129-07	3.734-02	1.632-02	2.019-04	1.912-06	7.107-06
-3.4	3.928-07	8.646-05	2.099-08	5.985-07	5.490-02	2.336-02	2.979-04	2.905-06	7.537-06
-3.2	2.614-07	8.774-05	1.446-08	4.210-07	7.859-02	3.232-02	4.268-04	4.348-06	7.952-06
-3.0	1.759-07	8.915-05	1.022-08	3.067-07	1.091-01	4.318-02	5.934-04	6.340-06	8.340-06
-2.8	1.194-07	9.051-05	7.378-09	2.281-07	1.467-01	5.562-02	8.117-04	9.197-06	8.836-06
-2.6	8.160-08	9.156-05	5.414-09	1.731-07	1.906-01	6.920-02	1.063-03	1.244-05	9.327-06
-2.4	5.600-08	9.200-05	4.022-09	1.338-07	2.397-01	8.339-02	1.348-03	1.776-05	9.845-06
-2.2	3.849-08	9.156-05	3.010-09	1.049-07	2.921-01	9.767-02	1.657-03	2.375-05	1.038-05
-2.0	2.645-08	9.000-05	2.259-09	8.323-08	3.459-01	1.116-01	1.977-03	3.096-05	1.091-05
-1.8	1.814-08	8.720-05	1.693-09	6.614-08	3.991-01	1.248-01	2.298-03	3.930-05	1.143-05
-1.6	1.242-08	8.315-05	1.263-09	5.350-08	4.501-01	1.370-01	2.608-03	4.863-05	1.193-05
-1.4	8.477-09	7.798-05	9.360-10	4.316-08	4.975-01	1.481-01	2.899-03	5.868-05	1.238-05
-1.2	5.778-09	7.193-05	6.886-10	3.490-08	5.405-01	1.579-01	3.166-03	6.916-05	1.279-05
-1.0	3.935-09	6.530-05	5.027-10	2.827-08	5.787-01	1.665-01	3.404-03	7.973-05	1.316-05
-.8	2.682-09	5.840-05	3.645-10	2.292-08	6.118-01	1.739-01	3.615-03	9.007-05	1.348-05
-.6	1.832-09	5.154-05	2.629-10	1.861-08	6.400-01	1.802-01	3.797-03	9.932-05	1.376-05
-.4	1.256-09	4.496-05	1.889-10	1.513-08	6.635-01	1.855-01	3.954-03	1.041-04	1.400-05
-.2	8.668-10	3.886-05	1.357-10	1.233-08	6.823-01	1.900-01	4.090-03	1.174-04	1.421-05
.0	6.032-10	3.334-05	9.765-11	1.007-08	6.968-01	1.937-01	4.208-03	1.248-04	1.442-05
.2	4.258-10	2.848-05	7.073-11	8.266-09	7.068-01	1.969-01	4.314-03	1.314-04	1.460-05
.4	3.056-10	2.429-05	5.179-11	6.822-09	7.120-01	1.996-01	4.414-03	1.372-04	1.480-05
.6	2.244-10	2.074-05	3.856-11	5.677-09	7.118-01	2.021-01	4.514-03	1.422-04	1.502-05
.8	1.700-10	1.780-05	2.942-11	4.774-09	7.052-01	2.043-01	4.623-03	1.467-04	1.530-05
1.0	1.343-10	1.542-05	2.322-11	4.077-09	6.910-01	2.065-01	4.749-03	1.506-04	1.564-05
1.2	1.125-10	1.355-05	1.922-11	3.548-09	6.680-01	2.085-01	4.901-03	1.536-04	1.606-05
1.4	1.023-10	1.214-05	1.704-11	3.166-09	6.354-01	2.100-01	5.085-03	1.555-04	1.654-05
1.6	1.051-10	1.120-05	1.676-11	2.924-09	5.930-01	2.105-01	5.304-03	1.554-04	1.713-05
1.8	1.319-10	1.087-05	1.961-11	2.844-09	5.414-01	2.092-01	5.557-03	1.521-04	1.819-05
2.0	2.423-10	1.162-05	3.244-11	3.037-09	4.816-01	2.062-01	5.833-03	1.441-04	1.909-05
2.2	1.287-09	1.544-05	1.481-10	4.704-09	4.131-01	1.905-01	6.079-03	1.293-04	2.067-05

T= 1440.

LOG C	E*	I	E/RT	H/RT	S/R	LOG P	Z*
-7.0	5.078-01	4.04434+00	3.81024+01	4.21468+01	1.3C8C7+C2	-4.670V4+00	4.04467+00
-6.8	5.051-01	4.02230+00	3.75499+01	4.15722+01	1.28398+C2	-4.47331+00	4.02271+00
-6.6	5.033-01	4.00759+00	3.71826+01	4.11804+01	1.26182+C2	-4.27490+00	4.00809+00
-6.4	5.021-01	3.99783+00	3.69419+01	4.09397+01	1.24098+C2	-4.07596+00	3.99845+00
-6.2	5.013-01	3.99130+00	3.67842+01	4.07735+01	1.22101+C2	-3.87667+00	3.99208+00
-6.0	5.007-01	3.98679+00	3.66799+01	4.06667+01	1.2C159+02	-3.67716+00	3.98777+00
-5.8	5.003-01	3.98344+00	3.66084+01	4.05919+01	1.18259+02	-3.47753+00	3.98465+00
-5.6	5.000-01	3.98058+00	3.65553+01	4.05359+01	1.16366+C2	-3.27784+00	3.98211+00
-5.4	4.997-01	3.97767+00	3.65095+01	4.04872+01	1.14488+02	-3.07815+00	3.97959+00
-5.2	4.993-01	3.97417+00	3.64617+01	4.04359+01	1.126C9+02	-2.87854+00	3.97658+00
-5.0	4.988-01	3.96942+00	3.64021+01	4.03715+01	1.1C720+C2	-2.679C6+00	3.97244+00
-4.8	4.980-01	3.96255+00	3.63188+01	4.02813+01	1.C881C+02	-2.47981+00	3.96634+00
-4.6	4.969-01	3.95234+00	3.61957+01	4.01480+01	1.C6865+02	-2.28093+00	3.95707+00
-4.4	4.951-01	3.93703+00	3.60104+01	3.99474+01	1.04862+02	-2.08262+00	3.94293+00
-4.2	4.923-01	3.91417+00	3.57318+01	3.96459+01	1.02776+C2	-1.88514+00	3.92164+00
-4.0	4.881-01	3.88059+00	3.53186+01	3.91991+01	1.CC567+C2	-1.68889+00	3.88952+00
-3.8	4.819-01	3.83228+00	3.47211+01	3.85534+01	9.81931+01	-1.49433+00	3.84316+00
-3.6	4.731-01	3.76537+00	3.38879+01	3.76532+01	9.56C97+01	-1.30198+00	3.77835+00
-3.4	4.607-01	3.67677+00	3.27788+01	3.64556+01	9.27862+01	-1.11232+00	3.69195+00
-3.2	4.443-01	3.56570+00	3.13824+01	3.49481+01	8.97214+01	-9.25640-01	3.58299+00
-3.0	4.235-01	3.43457+00	2.97280+01	3.31625+01	8.64545+01	-7.41910-01	3.45374+00
-2.8	3.984-01	3.28894+00	2.78847+01	3.11737+01	8.3C627+01	-5.60730-01	3.30960+00
-2.6	3.695-01	3.13629+00	2.59471+01	2.90834+01	7.98455+01	-3.81370-01	3.15794+00
-2.4	3.378-01	2.98428+00	2.40129+01	2.69972+01	7.63019+01	-2.02940-01	3.00641+00
-2.2	3.043-01	2.83946+00	2.21654+01	2.50049+01	7.31139+01	-2.45500-02	2.86157+00
-2.0	2.702-01	2.70638+00	2.04639+01	2.31703+01	7.01361+01	1.54610-01	2.72807+00
-1.8	2.368-01	2.58785+00	1.89423+01	2.15300+01	6.73762+01	3.35120-01	2.60858+00
-1.6	2.050-01	2.48415+00	1.76132+01	2.00973+01	6.48559+01	5.17390-01	2.50410+00
-1.4	1.756-01	2.39558+00	1.64734+01	1.88889+01	6.26371+01	7.01630-01	2.41439+00
-1.2	1.489-01	2.32084+00	1.55096+01	1.78305+01	6.05879+01	8.87860-01	2.33842+00
-1.0	1.253-01	2.25839+00	1.47032+01	1.69616+01	5.87276+01	1.07602+00	2.27469+00
-.8	1.048-01	2.20654+00	1.40332+01	1.62397+01	5.7C298+01	1.26593+00	2.22153+00
-.6	8.713-02	2.16354+00	1.34780+01	1.56415+01	5.54688+01	1.45738+00	2.17714+00
-.4	7.219-02	2.12769+00	1.30169+01	1.51446+01	5.4C198+01	1.65012+00	2.13932+00
-.2	5.967-02	2.09733+00	1.26259+01	1.47272+01	5.26602+01	1.84388+00	2.10800+00
.0	4.927-02	2.07081+00	1.22976+01	1.43684+01	5.13683+01	2.03836+00	2.07967+00
.2	4.071-02	2.04642+00	1.20006+01	1.40470+01	5.01233+01	2.23321+00	2.05302+00
.4	3.370-02	2.02235+00	1.17184+01	1.37408+01	4.89043+01	2.42807+00	2.02593+00
.6	2.800-02	1.99660+00	1.14295+01	1.34262+01	4.76859+01	2.62252+00	1.99802+00
.8	2.341-02	1.96746+00	1.11117+01	1.30791+01	4.64591+01	2.81612+00	1.96071+00
1.0	1.975-02	1.93327+00	1.07446+01	1.26778+01	4.51937+01	3.00851+00	1.91757+00
1.2	1.686-02	1.89374+00	1.03144+01	1.22081+01	4.38922+01	3.19954+00	1.86685+00
1.4	1.464-02	1.85030+00	9.85858+00	1.16689+01	4.25243+01	3.38946+00	1.80209+00
1.6	1.303-02	1.80672+00	9.26845+00	1.10752+01	4.11323+01	3.57911+00	1.73044+00
1.8	1.210-02	1.76895+00	8.68812+00	1.04571+01	3.97291+01	3.76993+00	1.65242+00
2.0	1.220-02	1.74381+00	8.11363+00	9.85745+00	3.83465+01	3.96372+00	1.57162+00
2.2	1.576-02	1.72858+00	7.62151+00	9.34990+00	3.7C545+01	4.15991+00	1.49481+00

T= 1450C

LOG C	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	4.999-19	8.189-21	1.158-19	1.205-23	.CCC+CC	.CCC+00	.000+00	1.293-16	5.003-16
-6.8	1.999-18	3.202-20	4.592-19	9.661-23	.CCC+CC	.CCC+00	.000+00	5.133-14	1.375-15
-6.6	8.026-18	1.259-19	1.824-18	2.558-22	.CCC+CC	.CCC+00	.000+00	8.511-14	3.443-15
-6.4	3.209-17	4.971-19	7.248-18	1.116-21	.CCC+CC	.CCC+00	.000+00	2.160-13	8.625-15
-6.2	1.291-16	1.967-18	2.881-17	4.735-21	.CCC+CC	.CCC+00	.000+00	5.461-13	2.162-14
-6.0	5.103-16	7.795-18	1.145-16	1.967-20	.CCC+CC	.CCC+00	.000+00	1.377-12	5.420-14
-5.8	2.031-15	3.091-17	4.547-16	8.044-20	.CCC+CC	.CCC+00	.000+00	3.465-12	1.359-13
-5.6	8.072-15	1.229-16	1.805-15	3.255-19	.CCC+CC	.CCC+00	.000+00	8.706-12	3.405-13
-5.4	3.206-14	4.853-16	7.156-15	1.307-18	.CCC+CC	.CCC+00	.000+00	2.185-11	8.526-13
-5.2	1.270-13	1.914-15	2.812-14	5.214-18	.CCC+CC	.CCC+00	.000+00	5.474-11	2.131-12
-5.0	5.018-13	7.552-15	1.110-13	2.072-17	.CCC+CC	.CCC+00	.000+00	1.369-10	5.316-12
-4.8	1.976-12	2.968-14	4.366-13	8.184-17	.CCC+CC	.CCC+00	.000+00	3.415-10	1.321-11
-4.6	7.737-12	1.155-13	1.716-12	3.211-16	.CCC+CC	.CCC+00	.000+00	8.496-10	3.265-11
-4.4	3.004-11	4.444-13	6.634-12	1.249-15	.CCC+CC	.CCC+00	.000+00	2.097-09	8.000-11
-4.2	1.152-10	1.684-12	2.528-11	4.794-15	.CCC+CC	.CCC+00	.000+00	5.136-09	1.935-10
-4.0	4.337-10	6.229-12	9.436-11	1.808-14	.CCC+CC	.CCC+00	.000+00	1.243-08	4.595-10
-3.8	1.591-09	2.221-11	3.411-10	6.644-14	.CCC+CC	.CCC+00	.000+00	2.953-08	1.062-09
-3.6	5.830-09	7.564-11	1.184-09	2.359-13	.CCC+CC	.CCC+00	.000+00	6.844-08	2.371-09
-3.4	1.981-08	2.630-10	3.901-09	8.316-13	.CCC+CC	.CCC+00	.000+00	1.536-07	5.055-09
-3.2	6.164-08	7.264-10	1.264-08	2.582-12	.CCC+CC	.CCC+00	.000+00	3.310-07	1.022-04
-3.0	1.810-07	2.241-09	3.663-08	7.836-12	.CCC+CC	.CCC+00	.000+00	6.807-07	1.948-08
-2.8	5.035-07	5.444-09	9.235-08	2.232-11	.CCC+CC	.CCC+00	.000+00	1.335-06	3.[illegible]-08
-2.6	1.303-06	1.220-08	2.243-07	5.972-11	.CCC+CC	.CCC+00	.000+00	2.664-06	5.956-08
-2.4	3.148-06	2.706-08	5.297-07	1.504-10	.CCC+CC	.CCC+00	.000+00	4.351-06	9.639-08
-2.2	7.135-06	5.454-08	1.153-06	3.547-10	.CCC+CC	.CCC+00	.000+00	7.316-06	1.495-07
-2.0	1.527-05	1.124-07	2.374-06	8.144-10	.CCC+CC	.CCC+00	.000+00	1.174-05	2.239-07
-1.8	3.109-05	2.146-07	4.641-06	1.764-09	.CCC+CC	.CCC+00	.000+00	1.827-05	3.255-07
-1.6	6.061-05	3.965-07	8.836-06	3.634-09	.CCC+CC	.CCC+00	.000+00	2.741-05	4.622-07
-1.4	1.139-04	7.112-07	1.633-05	7.364-09	.CCC+CC	.CCC+00	.000+00	3.933-05	6.435-07
-1.2	2.075-04	1.247-06	2.911-05	1.428-08	.CCC+CC	.CCC+00	.000+00	5.537-05	8.819-07
-1.0	3.694-04	2.144-06	5.100-05	2.694-08	.CCC+CC	.CCC+00	.000+00	7.957-05	1.193-06
-.8	6.389-04	3.629-06	8.746-05	4.928-08	.CCC+CC	.CCC+00	.000+00	1.096-04	1.599-06
-.6	1.091-03	6.047-06	1.477-04	8.827-08	.CCC+CC	.CCC+00	.000+00	1.493-04	2.126-06
-.4	1.837-03	1.004-05	2.481-04	1.550-07	.CCC+CC	.CCC+00	.000+00	1.953-04	2.810-06
-.2	3.034-03	1.644-05	4.055-04	2.674-07	.CCC+CC	.CCC+00	.000+00	2.445-04	3.700-06
.0	4.961-03	2.691-05	6.617-04	4.546-07	.CCC+CC	.CCC+00	.000+00	3.439-04	4.863-06
.2	8.012-03	4.341-05	1.070-03	7.630-07	.CCC+CC	.CCC+00	.000+00	4.573-04	6.391-06
.4	1.277-02	6.994-05	1.716-03	1.267-06	.CCC+CC	.CCC+00	.000+00	5.944-04	8.414-06
.6	2.003-02	1.122-04	2.719-03	2.085-06	.CCC+CC	.CCC+00	.000+00	7.672-04	1.112-05
.8	3.093-02	1.794-04	4.266-03	3.404-06	.CCC+CC	.CCC+00	.000+00	9.815-04	1.441-05
1.0	4.634-02	2.857-04	6.545-03	5.514-06	.CCC+CC	.CCC+00	.000+00	1.243-03	1.794-05
1.2	6.772-02	4.531-04	1.003-02	8.857-06	.CCC+CC	.CCC+00	.000+00	1.560-03	2.228-05
1.4	9.576-02	7.146-04	1.468-02	1.408-05	.CCC+CC	.CCC+00	.000+00	1.944-03	2.820-05
1.6	1.307-01	1.117-03	2.182-02	2.265-05	.CCC+CC	.CCC+00	.000+00	2.447-03	3.543-05
1.8	1.719-01	1.724-03	3.103-02	3.378-05	.CCC+CC	.CCC+00	.000+00	3.172-03	4.518-05
2.0	2.178-01	2.608-03	4.279-02	5.001-05	.CCC+CC	.CCC+00	.000+00	4.436-03	1.451-04
2.2	2.639-01	3.873-03	5.563-02	6.864-05	.CCC+CC	.CCC+00	.000+00	8.352-03	3.172-04

T= 1450C

LOG C	C2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	2.108-31	1.656-14	4.748-13	2.280-14	3.680-01	1.703-07	1.033-01	1.874-04	1.399-03
-6.8	1.291-30	4.224-14	1.425-12	5.624-14	3.764-01	1.113-02	1.040-01	1.207-04	1.661-03
-6.6	7.477-30	1.063-13	4.099-12	1.395-13	3.819-01	7.187-03	1.045-01	7.719-05	1.843-03
-6.4	4.963-29	2.680-13	1.135-11	3.476-13	3.856-01	4.606-03	1.048-01	4.916-05	2.000-03
-6.2	3.101-28	6.747-13	3.050-11	8.680-13	3.880-01	2.935-03	1.050-01	3.113-05	2.115-03
-6.0	1.943-27	1.698-12	8.018-11	2.171-12	3.895-01	1.865-03	1.051-01	1.975-05	2.194-03
-5.8	1.219-26	4.260-12	2.073-10	5.436-12	3.904-01	1.183-03	1.051-01	1.251-05	2.247-03
-5.6	7.646-26	1.069-11	5.303-10	1.361-11	3.909-01	7.491-04	1.052-01	7.911-06	2.282-03
-5.4	4.793-25	2.680-11	1.346-09	3.407-11	3.912-01	4.742-04	1.051-01	5.002-06	2.304-03
-5.2	2.999-24	6.704-11	3.396-09	8.518-11	3.913-01	3.001-04	1.050-01	3.163-06	2.318-03
-5.0	1.870-23	1.675-10	8.538-09	2.126-10	3.914-01	1.901-04	1.049-01	2.003-06	2.326-03
-4.8	1.159-22	4.170-10	2.136-08	5.289-10	3.914-01	1.205-04	1.048-01	1.265-06	2.331-03
-4.6	7.123-22	1.033-09	5.320-08	1.310-09	3.914-01	7.665-05	1.041-01	8.007-07	2.332-03
-4.4	4.318-21	2.543-09	1.316-07	3.219-09	3.895-01	4.862-05	1.035-01	5.071-07	2.330-03
-4.2	2.565-20	6.142-09	3.229-07	7.926-09	3.840-01	3.101-05	1.024-01	3.215-07	2.325-03
-4.0	1.479-19	1.484-08	7.823-07	1.872-08	3.857-01	1.987-05	1.009-01	2.040-07	2.315-03
-3.8	8.177-19	3.477-08	1.863-12	4.376-08	3.823-01	1.280-05	9.862-02	1.295-07	2.300-03
-3.6	4.270-18	7.963-08	4.333-12	9.913-08	3.772-01	8.307-06	9.546-02	8.255-08	2.276-03
-3.4	2.173-17	1.730-07	9.780-12	2.158-07	3.698-01	5.439-06	9.125-02	5.264-08	2.241-03
-3.2	9.232-17	3.611-07	2.129-11	4.675-07	3.596-01	3.595-06	8.593-02	3.373-08	2.192-03
-3.0	3.735-16	7.450-07	4.449-11	9.800-07	3.461-01	2.393-06	7.963-02	2.167-08	2.123-03
-2.8	1.370-15	1.340-06	8.904-11	1.637-06	3.289-01	1.615-06	7.258-02	1.393-08	2.034-03
-2.6	4.576-15	2.340-06	1.704-10	2.885-06	3.083-01	1.094-06	6.513-02	9.077-09	1.923-03
-2.4	1.404-14	4.021-06	3.143-10	4.838-06	2.847-01	7.449-07	5.762-02	5.919-09	1.791-03
-2.2	4.001-14	6.494-06	5.564-10	7.753-06	2.589-01	5.087-07	5.033-02	3.978-09	1.643-03
-2.0	1.071-13	1.008-05	9.458-10	1.199-05	2.319-01	3.467-07	4.347-02	2.592-09	1.484-03
-1.8	2.721-13	1.514-05	1.564-09	1.791-05	2.048-01	2.364-07	3.717-02	1.685-09	1.321-03
-1.6	6.623-13	2.217-05	2.510-09	2.603-05	1.785-01	1.610-07	3.151-02	1.116-09	1.159-03
-1.4	1.557-12	3.143-05	3.916-09	3.698-05	1.537-01	1.094-07	2.651-02	7.413-10	1.006-03
-1.2	3.558-12	4.401-05	5.921-09	5.154-05	1.310-01	7.433-08	2.216-02	4.934-10	8.603-04
-1.0	7.966-12	6.050-05	8.771-09	7.072-05	1.106-01	5.048-08	1.842-02	3.301-10	7.302-04
-.8	1.763-11	8.209-05	1.272-08	9.582-05	9.276-02	3.430-08	1.525-02	2.214-10	6.150-04
-.6	3.767-11	1.102-04	1.813-08	1.284-04	7.731-02	2.336-08	1.253-02	1.493-10	5.168-04
-.4	8.051-11	1.447-04	2.544-08	1.712-04	6.614-02	1.597-08	1.036-02	1.013-10	4.291-04
-.2	1.706-10	1.941-04	3.526-08	2.264-04	5.302-02	1.098-08	8.528-03	6.931-11	3.567-04
.0	3.595-10	2.599-04	4.838-08	2.990-04	4.373-02	7.601-09	7.020-03	4.749-11	2.964-04
.2	7.563-10	3.350-04	6.587-08	3.937-04	3.602-02	5.314-09	5.790-03	3.352-11	2.466-04
.4	1.579-09	4.380-04	8.944-08	5.182-04	2.965-02	3.761-09	4.796-03	2.366-11	2.049-04
.6	3.307-09	5.719-04	1.213-07	6.832-04	2.441-02	2.705-09	3.991-03	1.735-11	1.733-04
.8	6.940-09	7.438-04	1.651-07	9.060-04	2.012-02	1.947-09	3.356-03	1.249-11	1.475-04
1.0	1.463-08	9.674-04	2.264-07	1.203-03	1.663-02	1.501-09	2.854-03	1.009-11	1.275-04
1.2	3.113-08	1.260-03	3.165-07	1.614-03	1.381-02	1.181-09	2.473-03	9.266-12	1.128-04
1.4	6.721-08	1.651-03	4.459-07	2.207-03	1.158-02	9.866-10	2.134-03	7.247-12	1.030-04
1.6	1.494-07	2.196-03	6.560-07	3.046-03	9.915-03	9.096-10	2.019-03	7.144-12	9.844-05
1.8	3.618-07	3.029-03	9.936-07	4.509-03	8.641-03	9.395-10	1.955-03	8.529-12	1.009-04
2.0	8.904-07	4.533-03	1.688-06	7.171-03	3.624-03	1.543-09	2.096-03	1.453-11	1.167-04
2.2	2.840-06	8.654-03	3.655-06	1.463-02	1.103-02	7.249-09	2.911-03	7.273-11	1.829-04

T= 14500

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	9.036-04	4.350-05	3.787-05	7.371-C6	1.573-05	7.650-06	9.327-08	4.259-10	2.594-09
-6.8	6.769-04	5.241-05	2.927-05	7.401-C6	2.418-05	1.206-05	9.765-08	8.060-10	4.077-08
-6.6	4.840-04	6.073-05	2.150-05	7.412-C6	4.016-05	1.903-05	1.726-07	1.462-09	6.414-08
-6.4	3.334-04	6.733-05	1.513-05	7.396-C6	6.389-05	3.008-05	2.946-07	2.554-09	1.009-07
-6.2	2.233-04	7.232-05	1.030-05	7.353-C6	1.015-04	4.758-05	4.920-07	4.331-09	1.583-07
-6.0	1.466-04	7.588-05	6.839-06	7.273-C6	1.610-04	7.528-05	8.067-07	7.182-09	2.475-07
-5.8	9.501-05	7.832-05	4.465-06	7.143-C6	2.552-04	1.191-04	1.307-06	1.172-08	3.843-07
-5.6	6.102-05	7.995-05	2.883-06	6.941-C6	4.043-04	1.885-04	2.098-06	1.893-08	5.909-07
-5.4	3.887-05	8.103-05	1.848-06	6.643-C6	6.401-04	2.980-04	3.353-06	3.035-08	8.945-07
-5.2	2.481-05	8.174-05	1.180-06	6.219-C6	1.012-03	4.709-04	5.335-06	4.842-08	1.324-06
-5.0	1.577-05	8.222-05	7.516-07	5.649-C6	1.600-03	7.429-04	8.463-06	7.697-08	1.931-06
-4.8	1.002-05	8.257-05	4.787-07	4.938-C6	2.523-03	1.170-03	1.334-05	1.220-07	2.[illegible]-06
-4.6	6.371-06	8.285-05	3.053-07	4.125-C6	3.970-03	1.8[illegible]-03	2.109-05	1.929-07	3.453-06
-4.4	4.058-06	8.313-05	1.953-07	3.283-C6	6.222-03	2.865-03	3.317-05	3.042-07	4.319-06
-4.2	2.593-06	8.345-05	1.[illegible]-07	2.499-C6	9.707-03	4.440-03	5.172-05	4.779-07	5.143-06
-4.0	1.664-06	8.38[illegible]-05	8.128-08	1.831-C6	1.502-C2	6.805-03	8.017-05	7.475-07	5.868-06
-3.8	1.075-06	8.442-05	5.313-08	1.309-C6	2.237-C2	1.027-02	1.229-04	1.162-06	6.476-06
-3.6	6.996-07	8.519-05	3.530-08	9.251-C7	3.460-C2	1.518-02	1.858-04	1.789-06	6.985-06
-3.4	4.599-07	8.619-05	2.385-08	6.539-C7	5.107-C2	2.184-02	2.753-04	2.725-06	7.432-06
-3.2	3.057-07	8.741-05	1.644-08	4.669-C7	7.349-02	3.043-02	3.983-04	4.090-06	7.853-06
-3.0	2.054-07	8.878-05	1.158-08	3.392-C7	1.027-01	4.093-02	5.603-04	6.030-C6	8.291-06
-2.8	1.381-07	9.013-05	8.324-09	2.514-C7	1.389-01	5.310-02	7.637-04	8.711-06	8.735-06
-2.6	9.522-08	9.121-05	6.092-09	1.902-C7	1.816-01	6.648-02	1.007-03	1.230-[illegible]	[illegible]-06
-2.4	6.538-08	9.175-05	4.517-09	1.466-C7	2.297-01	8.058-02	1.286-03	1.635-05	9.736-06
-2.2	4.499-08	9.144-05	3.377-09	1.147-C7	2.816-01	9.497-02	1.590-03	2.277-05	1.027-05
-2.0	3.096-08	9.005-05	2.533-09	9.082-C8	3.352-01	1.089-01	1.908-03	2.980-05	1.080-05
-1.8	2.127-08	8.743-05	1.899-09	7.253-C8	3.886-01	1.223-01	2.229-03	3.739-05	1.133-05
-1.6	1.458-08	8.357-05	1.418-09	5.827-C8	4.401-01	1.347-01	2.542-03	4.718-05	1.183-05
-1.4	9.977-09	7.857-05	1.053-09	4.700-C8	4.883-01	1.460-01	2.830-03	5.715-05	1.229-05
-1.2	6.814-09	7.265-05	7.759-10	3.801-C8	5.322-01	1.560-01	3.109-03	6.759-05	1.271-05
-1.0	4.649-09	6.611-05	5.676-10	3.079-C8	5.713-01	1.649-01	3.354-03	7.816-05	1.309-05
-.8	3.174-09	5.927-05	4.124-10	2.497-C8	6.054-01	1.725-01	3.570-03	8.854-05	1.342-05
-.6	2.171-09	5.241-05	2.980-10	2.028-C8	6.345-01	1.790-01	3.758-03	9.844-05	1.371-05
-.4	1.492-09	4.581-05	2.147-10	1.649-C8	6.588-01	1.845-01	3.921-03	1.077-04	1.396-05
-.2	1.031-09	3.966-05	1.545-10	1.344-C8	6.785-01	1.891-01	4.061-03	1.161-04	1.418-05
.0	7.192-10	3.409-05	1.114-10	1.099-C8	6.937-01	1.929-01	4.183-03	1.237-04	1.438-05
.2	5.061-10	2.915-05	8.087-11	9.019-C9	7.045-01	1.962-01	4.292-03	1.304-04	1.457-05
.4	3.652-10	2.489-05	5.934-11	7.446-C9	7.105-01	1.990-01	4.393-03	1.363-04	1.477-05
.6	2.686-10	2.128-05	4.429-11	6.136-C9	7.111-01	2.015-01	4.496-03	1.414-04	1.499-05
.8	2.039-10	1.828-05	3.387-11	5.213-C9	7.055-01	2.037-01	4.603-03	1.460-04	1.525-05
1.0	1.615-10	1.586-05	2.682-11	4.650-C9	6.923-01	2.058-01	4.727-03	1.499-04	1.559-05
1.2	1.356-10	1.396-05	2.230-11	3.874-C9	6.705-01	2.078-01	4.876-03	1.531-04	1.602-05
1.4	1.238-10	1.254-05	1.989-11	3.459-C9	6.390-01	2.098-01	5.056-03	1.552-04	1.657-05
1.6	1.281-10	1.161-05	1.973-11	3.199-C9	5.977-01	2.097-01	5.271-03	1.554-04	1.725-05
1.8	1.674-10	1.129-05	2.341-11	3.115-C9	5.469-01	2.084-01	5.520-03	1.525-04	1.805-05
2.0	3.045-10	1.202-05	3.970-11	3.349-C9	4.874-01	2.033-01	5.792-03	1.451-04	1.898-05
2.2	1.741-09	1.661-05	1.961-10	4.726-C9	4.185-01	1.890-01	6.027-03	1.305-04	1.994-05

T= 14500

LOG C	E-	Z	E/RT	H/RT	S/R	LOG *	Z*
-7.0	5.091-0.	4.05515+C0	3.81595+01	4.22147+01	1.31128+02	-4.66677+00	4.05540+00
-6.8	5.060-01	4.02956+C0	3.79214+01	4.19510+01	1.28629+02	-4.46952+00	4.02997+00
-6.6	5.039-01	4.01239+C0	3.70950+01	4.11073+01	1.26351+02	-4.27138+00	4.01289+00
-6.4	5.025-01	4.00097+C0	3.68139+01	4.08149+01	1.24275+02	-4.07261+00	4.00159+00
-6.2	5.015-01	3.99336+00	3.66299+01	4.06232+01	1.22C0+02	-3.87344+00	3.99413+00
-6.0	5.C09-01	3.98817+C0	3.65087+01	4.04968+01	1.20241+02	-3.67400+00	3.98913+00
-5.8	5.C05-01	3.98440+00	3.64267+01	4.04111+01	1.18324+02	-3.47442+00	3.98561+00
-5.6	5.C01-01	3.98133+00	3.63675+01	4.03488+01	1.16430+02	-3.27475+00	3.98284+00
-5.4	4.998-01	3.97836+00	3.63189+01	4.02973+01	1.14549+02	-3.07507+00	3.98026+00
-5.2	4.994-01	3.97494+00	3.62709+01	4.02458+01	1.12670+02	-2.87545+00	3.97733+00
-5.0	4.989-01	3.97043+00	3.62136+01	4.01841+01	1.10783+02	-2.67594+00	3.97342+00
-4.8	4.982-01	3.96400+00	3.61357+01	4.00997+01	1.08878+02	-2.47664+00	3.96735+00
-4.6	4.971-01	3.95450+00	3.60220+01	3.99765+01	1.06941+02	-2.27769+00	3.95919+00
-4.4	4.955-01	3.94029+00	3.58515+01	3.97918+01	1.04952+02	-2.07925+00	3.94614+00
-4.2	4.929-01	3.91905+00	3.55949+01	3.95140+01	1.02886+02	-1.88160+00	3.92631+00
-4.0	4.891-01	3.[illegible]73+C0	3.52134+01	3.91011+01	1.00706+02	-1.68508+00	3.89666+00
-3.8	4.833-01	3.[illegible]/56+C0	3.46588+01	3.85013+01	9.83709+01	-1.49016+00	3.85340+00
-3.6	4.750-01	3.77945+00	3.38795+01	3.76590+01	9.58359+01	-1.29735+00	3.79245+00
-3.4	4.634-01	3.69514+C0	3.28324+01	3.65275+01	9.30668+01	-1.10715+00	3.71040+00
-3.2	4.478-01	3.58829+C0	3.14993+01	3.50976+01	9.00558+01	-9.19890-01	3.60577+00
-3.0	4.279-01	3.46049+C0	2.99012+01	3.33619+01	8.68340+01	-7.35610-01	3.48019+00
-2.8	4.036-01	3.31736+00	2.81000+01	3.14173+01	8.34716+01	-5.53990-01	3.33848+00
-2.6	3.754-01	3.16551+C0	2.61861+01	2.93516+01	8.00649+01	-3.74330-01	3.18777+00
-2.4	3.442-01	3.01290+C0	2.42577+01	2.72706+01	7.67137+01	-1.95790-01	3.03575+00
-2.2	3.109-01	2.86636+C0	2.24010+01	2.52674+01	7.35037+01	-1.74500-02	2.88929+00
-2.0	2.770-01	2.73083+0C	2.06799+01	2.34107+01	7.04944+01	1.61520-01	2.75341+00
-1.8	2.434-01	2.60928+00	1.91327+01	2.17415+01	6.77102+01	3.41740-01	2.63114+00
-1.6	2.112-01	2.50290+C0	1.77754+01	2.02783+01	6.51865+01	5.23560-01	2.52373+00
-1.4	1.813-01	2.41155+C0	1.66076+01	1.90192+01	6.28857+01	7.07520-01	2.43110+00
-1.2	1.541-01	2.33428+00	1.56176+01	1.79515+01	6.08036+01	8.93370-01	2.35277+00
-1.0	1.299-01	2.26960+C0	1.47877+01	1.70573+01	5.89140+01	1.08117+00	2.28677+00
-.8	1.088-01	2.21583+C0	1.40971+01	1.63125+01	5.71911+01	1.27076+00	2.23146+00
-.6	9.059-02	2.17124+00	1.35246+01	1.56959+01	5.56088+01	1.46193+00	2.18568+00
-.4	7.515-02	2.13410+C0	1.30493+01	1.51834+01	5.41424+01	1.65444+00	2.14704+00
-.2	6.218-02	2.10275+C0	1.26512+01	1.47535+01	5.27689+01	1.84801+00	2.11414+00
.0	5.139-02	2.07553+C0	1.23107+01	1.43863+01	5.14665+01	2.04235+00	2.08507+00
.2	4.249-02	2.05074+C0	1.20085+01	1.40593+01	5.02143+01	2.23713+00	2.05798+00
.4	3.520-02	2.02658+C0	1.17244+01	1.37509+01	4.89913+01	2.43198+00	2.03077+00
.6	2.927-02	2.00113+C0	1.14368+01	1.34375+01	4.77763+01	2.62650+00	2.00108+00
.8	2.448-02	1.97250+C0	1.11236+01	1.30961+01	4.65480+01	2.82024+00	1.96632+00
1.0	2.065-02	1.93916+00	1.07642+01	1.27033+01	4.52877+01	3.01283+00	1.92400+00
1.2	1.764-02	1.[illegible]60+C0	1.03435+01	1.22441+01	4.39828+01	3.20411+00	1.87223+00
1.4	1.532-02	1.85810+C0	9.85754+00	1.17156+01	4.26313+01	3.39429+00	1.81035+00
1.6	1.365-02	1.81520+00	9.31590+00	1.11311+01	4.12440+01	3.58415+00	1.73931+00
1.8	1.269-02	1.77766+C0	8.74170+00	1.05194+01	3.98429+01	3.77507+00	1.66153+00
2.0	1.285-02	1.75208+C0	8.17145+00	9.92352+00	3.84605+01	3.96878+00	1.58063+00
2.2	1.688-02	1.73393+C0	7.66782+00	9.42175+00	3.71738+01	4.16425+00	1.50406+00

T= 1.6*CC

LOG T	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.915-19	6.784-21	9.386-20	9.134-24	.CCC+CO	.CCC+00	.000+00	1.114-14	6.913-15
-6.8	1.544-18	2.647-20	3.729-19	4.341-23	.CCC+CO	C.00+00	.000+00	2.478-14	1.227-15
-6.6	6.367-18	1.039-19	1.491-18	1.985-22	.CCC+00	.000+00	.000+00	7.419-14	3.070-15
-6.4	2.569-17	4.097-19	5.896-18	8.759-22	.CCC+00	.000+00	.000+00	1.947-13	7.698-15
-6.2	1.018-16	1.620-18	2.339-17	3.742-21	.CCC+CO	.CCC+00	.000+00	4.776-13	1.927-14
-6.0	4.058-16	6.416-18	9.296-17	1.561-20	.CCC+CO	.000+00	.000+00	1.205-12	4.830-14
-5.8	1.616-15	2.543-17	3.692-16	6.419-20	.CCC+00	.CCC+00	.000+00	3.034-12	1.211-13
-5.6	6.423-15	1.008-16	1.466-15	2.605-19	.CCC+CO	.CCC+00	.000+00	7.627-12	3.035-13
-5.4	2.550-14	3.993-16	5.813-15	1.044-18	.CCC+CO	.CCC+00	.000+00	1.914-11	7.599-13
-5.2	1.011-13	1.579-15	2.301-14	4.139-18	.CCC+CO	.CCC+00	.000+00	4.799-11	1.900-12
-5.0	3.598-13	6.229-15	9.069-14	1.664-17	.CCC+00	.000+00	.000+00	1.201-10	4.742-12
-4.8	1.575-12	2.446-14	3.575-13	6.587-17	.CCC+CO	.CCC+CO	.000+00	2.937-10	1.179-11
-4.6	6.176-12	9.539-14	1.399-12	2.588-16	.CCC+CO	.CCC+00	.000+00	7.452-10	2.919-11
-4.4	2.402-11	3.692-13	5.416-12	1.000-15	.CCC+CO	.CCC+00	.000+00	1.844-09	7.143-11
-4.2	9.235-11	1.399-12	2.070-11	3.882-15	.CCC+CO	.CCC+00	.000+00	4.526-09	1.734-10
-4.0	3.490-10	5.196-12	7.756-11	1.469-14	.CCC+CO	.CCC+00	.000+00	1.048-08	4.142-10
-3.8	1.287-09	1.868-11	2.824-10	5.426-14	.CCC+CO	.CCC+00	.000+00	2.618-08	9.631-10
-3.6	4.589-09	6.629-11	9.890-10	1.941-13	.CCC+00	.CCC+00	.000+00	6.109-08	2.163-09
-3.4	1.565-08	2.087-10	3.291-09	6.652-13	.CCC+CO	.CCC+00	.000+00	1.379-07	4.660-09
-3.2	5.047-08	6.330-10	1.029-08	2.165-12	.CCC+CO	.CCC+00	.000+00	2.993-07	9.520-09
-3.0	1.576-07	1.778-09	3.001-08	6.642-12	.CCC+CO	.CCC+00	.000+00	6.213-07	1.836-08
-2.8	4.302-07	4.617-09	8.117-08	1.914-11	.CCC+CO	.CCC+00	.000+00	1.224-06	3.337-08
-2.6	1.128-06	1.111-08	2.039-07	5.179-11	.CCC+CO	.CCC+00	.000+00	2.237-06	5.732-08
-2.4	2.760-06	2.492-08	4.777-07	1.319-10	.CCC+CO	.CCC+00	.000+00	4.089-06	9.360-08
-2.2	6.329-06	5.266-08	1.051-06	3.176-10	.CCC+CO	.CCC+00	.000+00	6.936-06	1.443-07
-2.0	[illegible]	1.057-07	2.190-06	7.265-10	.CCC+CO	.CCC+00	.000+00	1.126-05	2.205-07
-1.8	2.811-05	2.033-07	4.553-06	1.594-09	.CCC+00	.CCC+00	.000+00	1.758-05	3.223-07
-1.6	5.523-05	3.773-07	8.313-06	3.321-09	.CCC+CO	.CCC+00	.000+00	2.664e-05	[illegible]
-1.4	1.045-04	6.801-07	1.535-05	6.696-09	.CCC+CO	.CCC+00	.000+00	3.883-05	6.636-07
-1.2	1.914-04	1.197-06	2.757-05	1.305-08	.CCC+00	.CCC+00	.000+00	5.571-05	9.832-07
-1.0	3.413-04	2.065-06	4.835-05	2.467-08	.CCC+CO	.CCC+00	.000+00	7.912-05	1.398-06
-.8	5.952-04	3.508-06	8.320-05	4.540-08	.CCC+CO	.CCC+00	.000+00	1.077-04	1.809-06
-.6	1.018-03	5.874-06	1.409-04	8.160-08	.CCC+CO	.CCC+00	.000+00	1.465-04	2.343-06
-.4	1.714-03	9.734-06	2.353-04	1.437-07	.CCC+CO	.CCC+00	.000+00	1.970-04	2.987-06
-.2	2.846-03	1.599-05	3.885-04	2.485-07	.CCC+CO	.CCC+00	.000+00	2.625-04	3.741-06
.0	4.664-03	2.607-05	6.350-04	4.233-07	.CCC+CO	.CCC+00	.000+00	3.470-04	4.623-06
.2	7.547-03	4.225-05	1.028-03	7.117-07	.CCC+CO	.CCC+00	.000+00	4.555-04	6.475-06
.4	1.205-02	6.813-05	1.650-03	1.184-06	.CCC+CO	.CCC+00	.000+00	5.939-04	8.532-06
.6	1.895-02	1.094-04	2.621-03	1.950-06	.CCC+CO	.CCC+00	.000+00	7.638-04	1.129-05
.8	2.926-02	1.749-04	4.117-03	3.187-06	.CCC+CO	.CCC+00	.000+00	9.855-04	1.504-05
1.0	4.414-02	2.786-04	6.379-03	5.168-06	.CCC+CO	.CCC+00	.000+00	1.255-03	2.027-05
1.2	6.476-02	4.419-04	9.723-03	8.311-06	.CCC+00	.CCC+00	.000+00	1.587-03	2.775-05
1.4	9.193-02	6.988-04	1.454-02	1.323-05	.CCC+CO	.CCC+00	.000+00	1.996-03	3.842-05
1.6	1.261-01	1.090-03	2.125-02	2.077-05	.CCC+CO	.CCC+00	.000+00	2.511-03	5.658-05
1.8	1.667-01	1.684-03	3.029-02	3.191-05	.CCC+CO	.CCC+00	.000+00	3.279-03	8.722-05
2.0	2.122-01	2.562-03	4.184-02	4.739-05	.CCC+CO	.CCC+00	.000+00	4.681-03	1.494-04
2.2	2.575-01	3.957-03	5.427-02	6.494-05	.CCC+CO	.CCC+00	.000+00	8.912-03	3.310-04

T= 1.6*CC

LOG T	C2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	1.784-31	1.418-14	3.964-19	2.091-14	3.640-01	1.947-02	1.079-01	2.272-04	1.408-03
-6.8	1.098-30	3.607-14	1.188-18	5.145-14	3.736-01	1.306-02	1.037-01	1.466-04	1.559-03
-6.6	6.702-30	9.131-14	3.461-18	1.274-13	3.801-01	8.468-03	1.043-01	9.345-05	1.777-03
-6.4	4.161-29	2.304-13	9.690-18	3.170-13	3.844-01	5.440-03	1.047-01	5.990-05	1.950-03
-6.2	2.596-28	5.804-13	2.626-17	7.909-13	3.872-01	3.474-03	1.049-01	3.906-05	2.079-03
-6.0	1.625-27	1.450-12	6.944-17	1.977-12	3.890-01	2.210-03	1.050-01	2.413-05	2.169-03
-5.8	1.019-26	3.668-12	1.804-16	4.948-12	3.901-01	1.402-03	1.051-01	1.528-05	2.231-03
-5.6	6.390-26	9.205-12	4.628-16	1.239-11	3.908-01	8.884-04	1.051-01	9.666-06	2.271-03
-5.4	4.006-25	2.308-11	1.177-15	3.101-11	3.911-01	5.625-04	1.051-01	6.113-06	2.297-03
-5.2	2.508-24	5.778-11	2.975-15	7.755-11	3.913-01	3.561-04	1.050-01	3.865-06	2.314-03
-5.0	1.564-23	1.444-10	7.485-15	1.936-10	3.912-01	2.255-04	1.049-01	2.444-06	2.324-03
-4.8	9.710-23	3.597-10	1.875-14	4.820-10	3.910-01	1.429-04	1.046-01	1.546-06	2.329-03
-4.6	5.978-22	8.923-10	4.673-14	1.195-09	3.905-01	9.047-05	1.042-01	9.786-07	2.331-03
-4.4	3.634-21	2.199-09	1.158-13	2.941-09	3.897-01	5.764-05	1.036-01	6.199-07	2.330-03
-4.2	2.167-20	5.365-09	2.845-13	7.168-09	3.883-01	3.675-05	1.027-01	3.929-07	2.326-03
-4.0	1.258-19	1.290-08	6.912-13	1.720-08	3.862-01	2.353-05	1.012-01	2.493-07	2.318-03
-3.8	7.018-19	3.038-08	1.652-12	4.041-08	3.831-01	1.514-05	9.911-02	1.584-07	2.304-03
-3.6	3.709-18	6.953-08	3.860-12	9.214-08	3.783-01	9.215-06	9.614-02	1.009-07	2.282-03
-3.4	1.828-17	1.533-07	8.765-12	2.022-07	3.714-01	6.416-06	9.214-02	6.439-08	2.250-03
-3.2	8.277-17	3.230-07	1.921-11	4.234-07	3.618-01	4.235-06	8.703-02	4.119-08	2.206-03
-3.0	3.611-16	6.662-07	4.046-11	8.612-07	3.489-01	2.822-06	8.090-02	2.646-08	2.148-03
-2.8	1.275-15	1.224-06	8.164-11	1.581-06	3.325-01	1.898-06	7.398-02	1.708-08	2.076-03
-2.6	4.331-15	2.196-06	1.577-10	2.815-06	3.125-01	1.245-06	6.658-02	1.107-08	1.989-03
-2.4	1.364-14	3.743-06	2.923-10	4.765-06	2.894-01	8.268-07	5.907-02	7.219-09	1.892-03
-2.2	3.897-14	6.095-06	5.208-10	7.707-06	2.640-01	5.993-07	5.172-02	4.729-09	1.788-03
-2.0	1.055-13	9.534-06	8.945-10	1.198-05	2.372-01	4.077-07	4.477-02	3.112-09	1.681-03
-1.8	2.705-13	1.440-05	1.495-09	1.802-05	2.101-01	2.793-07	3.836-02	2.054-09	1.574-03
-1.6	6.837-13	2.114-05	2.389-09	2.632-05	1.835-01	1.898-07	3.258-02	1.362-09	1.469-03
-1.4	1.570-12	3.026-05	3.731-09	3.755-05	1.585-01	1.292-07	2.746-02	9.054-10	1.369-03
-1.2	3.608-12	4.244-05	5.683-09	5.253-05	1.353-01	8.790-08	2.299-02	6.037-10	1.272-03
-1.0	8.093-12	5.854-05	8.449-09	7.231-05	1.145-01	5.979-08	1.913-02	4.039-10	1.181-03
-.8	1.781-11	7.964-05	1.230-08	9.823-05	9.620-02	4.069-08	1.584-02	2.712-10	1.096-03
-.6	3.862-11	1.072-04	1.757-08	1.321-04	8.031-02	2.776-08	1.310-02	1.831-10	1.022-03
-.4	8.275-11	1.430-04	2.472-08	1.762-04	6.671-02	1.900-08	1.080-02	1.244-10	9.644-04
-.2	1.758-10	1.895-04	3.432-08	2.337-04	5.523-02	1.308-08	8.892-03	8.516-11	8.933-04
.0	3.709-10	2.498-04	4.719-08	3.087-04	4.561-02	9.074-09	7.325-03	5.891-11	8.305-04
.2	7.795-10	3.281-04	6.441-08	4.069-04	3.761-02	6.356-09	6.045-03	4.124-11	7.755-04
.4	1.634-09	4.296-04	8.757-08	5.361-04	3.100-02	4.509-09	5.008-03	2.944-11	7.261-04
.6	3.426-09	5.613-04	1.190-07	7.071-04	2.556-02	3.251-09	4.173-03	2.146-11	6.820-04
.8	7.198-09	7.323-04	1.622-07	9.368-04	2.110-02	2.395-09	3.504-03	1.604-11	6.549-04
1.0	1.519-08	9.549-04	2.227-07	1.248-03	1.747-02	1.817-09	2.987-03	1.253-11	6.319-04
1.2	3.235-08	1.247-03	3.100-07	1.673-03	1.454-02	1.436-09	2.588-03	1.029-11	6.145-04
1.4	6.695-08	1.639-03	4.463-07	2.292-03	1.224-02	1.208-09	2.298-03	9.112-12	6.043-04
1.6	1.452-07	2.190-03	6.457-07	3.208-03	1.052-02	1.124-09	2.116-03	9.062-12	6.038-04
1.8	3.612-07	3.036-03	9.976-07	4.690-03	9.423-03	1.250-09	2.055-03	1.045-11	6.064-04
2.0	9.231-07	4.583-03	1.700-06	7.495-03	9.260-03	2.011-09	2.213-03	1.435-11	6.237-04
2.2	3.013-06	8.944-03	3.751-06	1.552-02	1.210-02	1.016-08	3.129-03	1.023-10	1.976-04

T= 14000

LOG E	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	9.876-04	4.056-05	4.057-05	7.352-06	1.436-05	7.032-06	4.562-09	3.721-10	2.289-09
-6.8	7.935-04	4.982-05	3.190-05	7.393-06	2.302-05	1.107-05	8.493-08	7.239-10	3.595-08
-6.6	5.673-04	5.832-05	2.380-05	7.409-06	3.675-05	1.747-05	1.519-07	1.312-09	5.654-08
-6.4	3.816-04	6.543-05	1.696-05	7.401-06	5.851-05	2.760-05	2.624-07	2.316-09	8.892-08
-6.2	2.579-04	7.091-05	1.166-05	7.367-06	9.297-05	4.364-05	4.413-07	3.961-09	1.376-07
-6.0	1.704-04	7.499-05	7.995-06	7.299-06	1.476-04	6.904-05	7.275-07	6.609-09	2.188-07
-5.8	1.109-04	7.765-05	5.114-06	7.185-06	2.340-04	1.092-04	1.183-06	1.083-08	3.402-07
-5.6	7.133-05	7.551-05	3.312-06	7.006-06	3.707-04	1.728-04	1.905-06	1.755-08	5.267-07
-5.4	4.568-05	8.074-05	2.147-06	6.738-06	5.870-04	2.733-04	3.048-06	2.817-08	7.931-07
-5.2	2.911-05	8.155-05	1.360-06	6.352-06	9.287-04	4.319-04	4.855-06	4.502-08	1.190-06
-5.0	1.852-05	8.209-05	8.688-07	5.824-06	1.468-03	6.817-04	7.706-06	7.163-08	1.724-06
-4.8	1.177-05	8.249-05	5.522-07	5.151-06	2.316-03	1.074-03	1.220-05	1.135-07	2.438-06
-4.6	7.483-06	8.278-05	3.521-07	4.361-06	3.646-03	1.686-03	1.924-05	1.794-07	3.212-06
-4.4	4.766-06	8.306-05	2.251-07	3.519-06	5.720-03	2.635-03	3.024-05	2.836-07	4.077-06
-4.2	3.043-06	8.336-05	1.446-07	2.711-06	8.929-03	4.090-03	4.728-05	4.459-07	4.921-06
-4.0	1.952-06	8.375-05	9.347-08	2.008-06	1.384-02	6.282-03	7.340-05	6.968-07	5.678-06
-3.8	1.259-06	8.428-05	6.104-08	1.446-06	2.122-02	9.511-03	1.128-04	1.086-06	6.321-06
-3.6	8.188-07	8.500-05	4.040-08	1.025-06	3.206-02	1.412-02	1.710-04	1.676-06	6.854-06
-3.4	5.375-07	8.594-05	2.720-08	7.252-07	4.751-02	2.042-02	2.545-04	2.557-06	7.323-06
-3.2	3.567-07	8.711-05	1.868-08	5.172-07	6.871-02	2.966-02	3.701-04	3.846-06	7.753-06
-3.0	2.394-07	8.843-05	1.311-08	3.747-07	9.654-02	3.878-02	5.235-04	5.492-06	8.193-06
-2.8	1.623-07	8.976-05	9.387-09	2.768-07	1.314-01	5.065-02	7.182-04	8.251-06	8.634-06
-2.6	1.109-07	9.087-05	6.848-09	2.087-07	1.729-01	6.383-02	9.536-04	1.170-05	9.116-06
-2.4	7.615-08	9.148-05	5.066-09	1.604-07	2.201-01	7.782-02	1.225-03	1.618-05	9.622-06
-2.2	5.245-08	9.130-05	3.783-09	1.252-07	2.713-01	9.210-02	1.524-03	2.183-05	1.016-05
-2.0	3.614-08	9.006-05	2.837-09	9.999-08	3.247-01	1.062-01	1.840-03	2.868-05	1.070-05
-1.8	2.487-08	8.763-05	2.127-09	7.897-08	3.783-01	1.197-01	2.162-03	3.671-03	1.122-05
-1.6	1.709-08	8.395-05	1.590-09	6.341-08	4.302-01	1.323-01	2.477-03	4.577-05	1.173-05
-1.4	1.171-08	7.912-05	1.182-09	5.113-08	4.790-01	1.438-01	2.776-03	5.564-05	1.220-05
-1.2	8.013-09	7.335-05	8.728-10	4.134-08	5.238-01	1.541-01	3.053-03	6.603-05	1.263-05
-1.0	5.478-09	6.690-05	[illegible]	3.349-08	5.638-01	[illegible]	[illegible]	7.666-05	1.301-05
-.8	3.746-09	6.011-05	4.658-10	2.717-08	5.998-01	1.710-01	3.529-03	8.702-05	1.334-05
-.6	2.567-09	5.327-05	3.373-10	2.207-08	6.288-01	1.777-01	3.719-03	9.701-05	1.365-05
-.4	1.766-09	4.665-05	2.434-10	1.796-08	6.540-01	1.834-01	3.887-03	1.064-04	1.391-05
-.2	1.223-09	4.046-05	1.756-10	1.466-08	6.745-01	1.881-01	4.032-03	1.149-04	1.413-05
.0	8.546-10	3.483-05	1.269-10	1.197-08	6.905-01	1.921-01	4.157-03	1.225-04	1.430-05
.2	6.047-10	2.983-05	9.229-11	9.829-09	7.020-01	1.955-01	[illegible]	1.294-04	1.443-05
.4	4.353-10	2.550-05	6.787-11	8.116-09	7.098-01	1.983-01	4.372-03	1.353-04	1.453-05
.6	3.208-10	2.182-05	5.077-11	6.755-09	7.153-01	2.008-01	4.474-03	1.406-04	1.495-05
.8	2.439-10	1.877-05	3.894-11	5.683-09	7.196-01	2.031-01	4.562-03	1.452-04	1.521-05
1.0	1.936-10	1.630-05	3.093-11	4.852-09	6.935-01	2.052-01	4.705-03	1.493-04	1.554-05
1.2	1.631-10	1.437-05	2.582-11	4.225-09	6.727-01	2.071-01	4.651-03	1.526-04	1.596-05
1.4	1.495-10	1.294-05	2.316-11	3.775-09	6.424-01	2.085-01	5.028-03	1.549-04	1.649-05
1.6	1.556-10	1.203-05	2.318-11	3.495-09	6.021-01	2.089-01	5.239-03	1.553-04	1.716-05
1.8	1.995-10	1.176-05	2.789-11	3.417-09	5.521-01	2.075-01	5.485-03	1.529-04	1.795-05
2.0	3.818-10	1.264-05	4.847-11	3.688-09	4.931-01	2.024-01	5.752-03	1.459-04	1.887-05
2.2	2.366-09	1.786-05	2.605-10	5.314-09	4.237-01	1.875-01	5.974-03	1.315-04	1.982-05

T= 14000

LOG E	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	5.106-01	4.06747+00	3.82538+01	4.23211+01	1.31449+02	-4.66247+00	4.06780+00
-6.8	5.070-01	4.03790+00	3.75203+01	4.15582+01	1.28886+02	-4.66564+00	4.03831+00
-6.6	5.045-01	4.01733+00	3.70268+01	4.10448+01	1.26537+02	-4.26779+00	4.01843+00
-6.4	5.029-01	4.00461+00	3.67002+01	4.07048+01	1.24364+02	-4.06963+00	4.00523+00
-6.2	5.019-01	3.99575+00	3.64858+01	4.04816+01	1.22307+02	-3.87020+00	3.99651+00
-6.0	5.011-01	3.98975+00	3.63450+01	4.03368+01	1.20328+02	-3.67085+00	3.99070+00
-5.8	5.006-01	3.98549+00	3.62508+01	4.02362+01	1.18397+02	-3.47131+00	3.98668+00
-5.6	5.002-01	3.98214+00	3.61842+01	4.01664+01	1.16496+02	-3.27168+00	3.98364+00
-5.4	4.999-01	3.97908+00	3.61319+01	4.01110+01	1.14611+02	-3.07201+00	3.98096+00
-5.2	4.995-01	3.97570+00	3.60829+01	4.00586+01	1.12730+02	-2.87238+00	3.97805+00
-5.0	4.990-01	3.97138+00	3.60274+01	3.99988+01	1.10845+02	-2.67285+00	3.97435+00
-4.8	4.984-01	3.96534+00	3.59540+01	3.99194+01	1.08944+02	-2.47351+00	3.96906+00
-4.6	4.974-01	3.95648+00	3.58486+01	3.98051+01	1.07014+02	-2.27448+00	3.95113+00
-4.4	4.958-01	3.94326+00	3.56913+01	3.96346+01	1.05038+02	-2.07594+00	3.94906+00
-4.2	4.935-01	3.92352+00	3.54549+01	3.93784+01	1.02990+02	-1.87812+00	3.93072+00
-4.0	4.899-01	3.89433+00	3.51024+01	3.89969+01	1.00837+02	-1.68136+00	3.90320+00
-3.8	4.846-01	3.85202+00	3.45876+01	3.84397+01	9.85375+01	-1.48610+00	3.86284+00
-3.6	4.768-01	3.79256+00	3.38592+01	3.76518+01	9.60482+01	-1.29286+00	3.80557+00
-3.4	4.659-01	3.71242+00	3.28716+01	3.65541+01	9.33317+01	-1.10214+00	3.72775+00
-3.2	4.511-01	3.60979+00	3.16009+01	3.52107+01	9.03742+01	-9.14310-01	3.62745+00
-3.0	4.321-01	3.48585+00	3.00600+01	3.35458+01	8.71987+01	-7.29485-01	3.50554+00
-2.8	4.086-01	3.36504+00	2.83031+01	3.16481+01	8.38685+01	-5.47390-01	3.36663+00
-2.6	3.811-01	3.19427+00	2.64162+01	2.96104+01	8.04756+01	-3.67420-01	3.21711+00
-2.4	3.504-01	3.04131+00	2.44967+01	2.75538+01	7.71201+01	-1.88730-01	3.04446+00
-2.2	3.175-01	2.89325+00	2.26337+01	2.55269+01	7.38911+01	-1.04100-02	2.91701+00
-2.0	2.836-01	2.75543+00	2.08951+01	2.36505+01	7.08524+01	1.68400-01	2.77899+00
-1.8	2.499-01	2.63115+00	1.93237+01	2.19548+01	6.80413+01	3.48350-01	2.65395+00
-1.6	2.174-01	2.52191+00	1.79392+01	2.04612+01	6.54710+01	5.29440-01	2.54374+00
-1.4	1.871-01	2.42780+00	1.67439+01	1.91717+01	6.31366+01	7.13420-01	2.44850+00
-1.2	1.593-01	2.34798+00	1.57279+01	1.80759+01	6.10215+01	8.99900-01	2.36743+00
-1.0	1.346-01	2.28104+00	1.48744+01	1.71554+01	5.91026+01	1.09834+00	2.29912+00
-.8	1.129-01	2.22534+00	1.41632+01	1.63885+01	5.73543+01	1.27560+00	2.24202+00
-.6	9.412-02	2.17912+00	1.35732+01	1.57523+01	5.57505+01	1.46664+00	2.19637+00
-.4	7.817-02	2.14066+00	1.30835+01	1.52241+01	5.42664+01	1.65875+00	2.15442+00
-.2	6.475-02	2.10828+00	1.26739+01	1.47822+01	5.28787+01	1.85214+00	2.12041+00
.0	5.357-02	2.08032+00	1.23249+01	1.44053+01	5.15654+01	2.04836+00	2.09056+00
.2	4.433-02	2.05508+00	1.20172+01	1.40723+01	5.03056+01	2.24804+00	2.06249+00
.4	3.674-02	2.03078+00	1.17306+01	1.37614+01	4.90782+01	2.43587+00	2.03562+00
.6	3.057-02	2.00552+00	1.14439+01	1.34496+01	4.78622+01	2.63143+00	2.00839+00
.8	2.558-02	1.97740+00	1.11349+01	1.31123+01	4.66357+01	2.82430+00	1.97862+00
1.0	2.159-02	1.94686+00	1.07825+01	1.27276+01	4.53801+01	3.01709+00	1.93027+00
1.2	1.844-02	1.90726+00	1.03711+01	1.22784+01	4.40815+01	3.20962+00	1.87343+00
1.4	1.603-02	1.86569+00	9.89484+00	1.17805+01	4.27365+01	3.39935+00	1.81344+00
1.6	1.430-02	1.82349+00	9.36142+00	1.11953+01	4.13541+01	3.58911+00	1.74805+00
1.8	1.331-02	1.78622+00	8.79412+00	1.05803+01	3.99556+01	3.78134+00	1.67055+00
2.0	1.353-02	1.76023+00	8.22863+00	9.98983+00	3.85741+01	3.97377+00	1.58362+00
2.2	1.812-02	1.73883+00	7.75522+00	9.49404+00	3.72743+01	4.16846+00	1.51367+00

T= 1470C

LOG E	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	3.096-19	5.642-21	9.642-20	6.927-24	.CCC+CC	.CCC+00	.000+00	9.664-15	4.385-16
-6.8	1.256-19	2.199-20	3.037-19	3.331-23	.CCC+CC	.CCC+00	.000+00	2.515-14	1.094-15
-6.6	5.060-18	8.602-20	1.206-18	1.560-22	.CCC+CC	.000+00	.000+00	6.468-14	2.737-15
-6.4	2.028-17	3.387-19	4.793-18	6.860-22	.CCC+CC	.000+00	.000+00	1.648-13	6.851-15
-6.2	8.106-17	1.338-18	1.904-17	2.958-21	.CCC+CC	.CCC+00	.000+00	4.178-13	1.717-14
-6.0	3.233-16	5.295-18	7.567-17	1.244-20	.CCC+CC	.000+00	.000+00	1.055-12	4.303-14
-5.8	1.288-15	2.098-17	3.006-16	5.137-20	.CCC+CC	.000+00	.000+00	2.659-12	1.079-13
-5.6	5.121-15	8.317-17	1.193-15	2.089-19	.CCC+CC	.000+00	.000+00	6.687-12	2.703-13
-5.4	2.034-14	3.294-16	4.734-15	8.621-19	.CCC+CC	.000+00	.000+00	1.679-11	6.771-13
-5.2	8.065-14	1.303-15	1.875-14	3.571-18	.CCC+CC	.000+00	.000+00	4.210-11	1.694-12
-5.0	3.191-13	5.143-15	7.408-14	1.342-17	.CCC+CC	.CCC+00	.000+00	1.054-10	4.228-12
-4.8	1.258-12	2.021-14	2.916-13	5.314-17	.CCC+CC	.CCC+00	.000+00	2.631-10	1.052-11
-4.6	4.938-12	7.933-14	1.142-12	2.093-16	.CCC+CC	.CCC+00	.000+00	6.549-10	2.606-11
-4.4	1.924-11	3.053-13	4.432-12	8.160-16	.CCC+CC	.CCC+00	.000+00	1.622-09	6.469-11
-4.2	7.413-11	1.164-12	1.699-11	3.149-15	.CCC+CC	.CCC+00	.000+00	3.987-09	1.559-10
-4.0	2.812-10	4.344-12	6.391-11	1.196-14	.CCC+CC	.CCC+00	.000+00	9.696-09	3.729-10
-3.8	1.042-09	1.572-11	2.341-10	4.440-14	.CCC+CC	.CCC+00	.000+00	2.321-08	8.716-10
-3.6	3.741-09	5.457-11	8.262-10	1.598-13	.CCC+CC	.CCC+00	.000+00	5.436-08	1.973-09
-3.4	1.287-08	1.793-10	2.778-09	5.523-13	.CCC+CC	.CCC+00	.000+00	1.235-07	4.284-09
-3.2	4.197-08	5.512-10	8.795-09	1.815-12	.CCC+CC	.CCC+00	.000+00	2.704-07	8.842-09
-3.0	1.285-07	1.571-09	2.598-08	5.631-12	.CCC+CC	.CCC+00	.000+00	5.663-07	1.724-08
-2.8	3.670-07	4.139-09	7.127-08	1.641-11	.CCC+CC	.CCC+00	.000+00	1.129-06	3.168-08
-2.6	9.756-07	1.009-08	1.815-07	4.489-11	.CCC+CC	.CCC+00	.000+00	2.135-06	5.500-08
-2.4	2.417-06	2.293-08	4.305-07	1.155-10	.CCC+CC	.CCC+00	.000+00	3.837-06	9.063-08
-2.2	5.606-06	4.897-08	9.582-07	2.808-10	.CCC+CC	.CCC+00	.000+00	6.566-06	1.428-07
-2.0	1.245-05	9.918-08	2.016-06	6.477-10	.CCC+CC	.CCC+00	.000+00	1.074-05	2.166-07
-1.8	2.535-05	1.921-07	4.039-06	1.425-09	.CCC+CC	.CCC+00	.000+00	1.690-05	3.184-07
-1.6	5.027-05	3.589-07	7.767-06	3.003-09	.CCC+CC	.CCC+00	.000+00	2.567-05	4.561-07
-1.4	9.573-05	6.502-07	1.443-05	6.089-09	.CCC+CC	.CCC+00	.000+00	3.765-05	6.399-07
-1.2	1.764-04	1.149-06	2.603-05	1.193-08	.CCC+CC	.CCC+00	.000+00	5.441-05	8.825-07
-1.0	3.160-04	1.989-06	4.565-05	2.265-08	.CCC+CC	.CCC+00	.000+00	7.660-05	1.201-06
-.8	5.532-04	3.387-06	7.916-05	4.185-08	.CCC+CC	.CCC+00	.000+00	1.060-04	1.616-06
-.6	9.497-04	5.688-06	1.344-04	7.547-08	.CCC+CC	.CCC+00	.000+00	1.446-04	2.156-06
-.4	1.603-03	9.444-06	2.211-04	1.333-07	.CCC+CC	.CCC+00	.000+00	1.949-04	2.859-06
-.2	2.668-03	1.553-05	3.723-04	2.310-07	.CCC+CC	.CCC+00	.000+00	2.603-04	3.775-06
.0	4.382-03	2.536-05	6.095-04	3.943-07	.CCC+CC	.CCC+00	.000+00	3.448-04	4.973-06
.2	7.107-03	4.114-05	9.826-04	6.642-07	.CCC+CC	.CCC+00	.000+00	4.535-04	6.548-06
.4	1.137-02	6.639-05	1.599-03	1.104-06	.CCC+CC	.CCC+00	.000+00	5.929-04	8.636-06
.6	1.793-02	1.067-04	2.527-03	1.825-06	.CCC+CC	.CCC+00	.000+00	7.632-04	1.144-05
.8	2.776-02	1.706-04	3.976-03	2.995-06	.CCC+CC	.CCC+00	.000+00	9.904-04	1.525-05
1.0	4.202-02	2.719-04	6.172-03	4.846-06	.CCC+CC	.CCC+00	.000+00	1.265-03	2.056-05
1.2	6.189-02	4.312-04	9.428-03	7.803-06	.CCC+CC	.CCC+00	.000+00	1.602-03	2.818-05
1.4	8.832-02	6.800-04	1.413-02	1.244-05	.CCC+CC	.CCC+00	.000+00	2.023-03	3.957-05
1.6	1.219-01	1.064-03	2.070-02	1.956-05	.CCC+CC	.CCC+00	.000+00	2.574-03	5.765-05
1.8	1.616-01	1.643-03	2.958-02	3.014-05	.CCC+CC	.CCC+00	.000+00	3.385-03	8.912-05
2.0	2.065-01	2.479-03	4.093-02	4.489-05	.CCC+CC	.000+00	.000+00	4.880-03	1.534-04
2.2	2.511-01	3.442-03	5.293-02	6.135-05	.CCC+CC	.CCC+00	.000+00	9.512-03	3.449-04

0

T= 1470C

LOG E	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.516-31	1.215-14	3.205-19	1.922-14	3.595-01	2.309-02	1.025-01	2.741-04	1.217-03
-6.8	9.195-31	3.C96-14	9.885-19	4.716-14	3.705-01	1.527-02	1.035-01	1.775-04	1.475-03
-6.6	5.646-30	7.849-14	2.917-18	1.165-13	3.780-01	9.943-03	1.041-01	1.140-04	1.706-03
-6.4	3.496-29	1.993-13	8.263-18	2.894-13	3.830-01	6.407-03	1.046-01	7.280-05	1.895-03
-6.2	2.178-28	4.998-13	2.260-17	7.215-13	3.863-01	4.100-03	1.048-01	4.631-05	2.039-03
-6.0	1.362-27	1.257-12	6.016-17	1.803-12	3.884-01	2.611-03	1.050-01	2.938-05	2.141-03
-5.8	8.532-27	3.160-12	1.570-16	4.509-12	3.897-01	1.658-03	1.051-01	1.861-05	2.212-03
-5.6	5.351-26	7.934-12	4.042-16	1.129-11	3.905-01	1.041-03	1.051-01	1.178-05	2.259-03
-5.4	3.355-25	1.990-11	1.030-15	2.825-11	3.910-01	6.647-04	1.051-01	7.450-06	2.290-03
-5.2	2.100-24	4.983-11	2.608-15	7.067-11	3.912-01	4.215-04	1.051-01	4.711-06	2.309-03
-5.0	1.311-23	1.246-10	6.570-15	1.769-10	3.912-01	2.669-04	1.049-01	2.980-06	2.321-03
-4.8	8.146-23	3.105-10	1.647-14	4.396-10	3.910-01	1.691-04	1.047-01	1.885-06	2.328-03
-4.6	5.023-22	7.710-10	4.110-14	1.091-09	3.906-01	1.073-04	1.043-01	1.193-06	2.331-03
-4.4	3.062-21	1.902-09	1.020-13	2.689-09	3.899-01	6.820-05	1.038-01	7.555-07	2.330-03
-4.2	1.834-20	4.652-09	2.510-13	6.567-09	3.886-01	4.346-05	1.029-01	4.789-07	2.327-03
-4.0	1.071-19	1.122-08	6.112-13	1.581-08	3.867-01	2.781-05	1.015-01	3.039-07	2.320-03
-3.8	6.021-19	2.644-08	1.465-12	3.731-08	3.837-01	1.788-05	9.956-02	1.931-07	2.307-03
-3.6	3.219-18	6.110-08	3.440-12	8.560-08	3.793-01	1.158-05	9.677-02	1.229-07	2.288-03
-3.4	1.608-17	1.357-07	7.856-12	1.893-07	3.729-01	7.556-06	9.297-02	7.843-08	2.259-03
-3.2	7.404-17	2.886-07	1.734-11	4.001-07	3.638-01	4.980-06	8.808-02	5.019-08	2.216-03
-3.0	3.107-16	5.831-07	3.678-11	8.030-07	3.516-01	3.315-06	8.213-02	3.223-08	2.156-03
-2.8	1.182-15	1.116-06	7.479-11	1.525-06	3.359-01	2.226-06	7.534-02	2.079-08	2.077-03
-2.6	4.088-15	2.022-06	1.456-10	2.743-06	3.166-01	1.507-06	6.802-02	1.348-08	1.975-03
-2.4	1.294-14	3.440-06	2.718-10	4.685-06	2.940-01	1.025-06	6.050-02	8.783-09	1.852-03
-2.2	3.787-14	5.713-06	4.874-10	7.641-06	2.690-01	7.000-07	5.311-02	5.753-09	1.711-03
-2.0	1.037-13	9.002-06	8.422-10	1.197-05	2.424-01	4.785-07	4.604-02	3.786-09	1.556-03
-1.8	2.685-13	1.36x-05	1.406-09	1.810-05	2.153-01	3.270-07	3.956-02	2.501-09	1.394-03
-1.6	6.641-13	2.019-05	2.273-09	2.658-05	1.896-01	2.232-07	3.366-02	1.658-09	1.231-03
-1.4	1.582-12	2.904-05	3.568-09	3.810-05	1.632-01	1.522-07	2.842-02	1.103-09	1.073-03
-1.2	3.653-12	4.089-05	5.454-09	5.343-05	1.397-01	1.037-07	2.392-02	7.359-10	9.244-04
-1.0	8.232-12	5.658-05	8.138-09	7.366-05	1.185-01	7.063-08	1.986-02	4.927-10	7.883-04
-.8	1.819-11	7.720-05	1.188-08	1.004-04	9.970-02	4.815-08	1.644-02	3.313-10	6.666-04
-.6	3.955-11	1.041-04	1.703-08	1.356-04	8.336-02	3.299-08	1.363-02	2.238-10	5.630-04
-.4	8.497-11	1.392-04	2.402-08	1.812-04	6.935-02	2.256-08	1.124-02	1.522-10	4.682-04
-.2	1.809-10	1.869-04	3.343-08	2.408-04	5.748-02	1.555-08	9.266-03	1.044-10	3.903-04
.0	3.824-10	2.461-04	4.676-08	3.185-04	4.753-02	1.081-08	7.639-03	7.228-11	3.250-04
.2	8.048-10	3.211-04	6.498-08	4.203-04	3.924-02	7.584-09	6.304-03	5.073-11	2.709-04
.4	1.690-09	4.217-04	8.576-08	5.544-04	3.238-02	5.392-09	5.228-03	3.621-11	2.266-04
.6	3.549-09	5.512-04	1.167-07	7.322-04	2.674-02	3.848-09	4.359-03	2.643-11	1.908-04
.8	7.459-09	7.205-04	1.593-07	9.703-04	2.211-02	2.881-09	3.666-03	1.985-11	1.625-04
1.0	1.576-08	9.417-04	2.191-07	1.294-03	1.836-02	2.194-09	3.123-03	1.551-11	1.406-04
1.2	3.361-08	1.233-03	3.055-07	1.761-03	1.531-02	1.743-09	2.707-03	1.278-11	1.244-04
1.4	7.275-08	1.627-03	4.351-07	2.379-03	1.292-02	1.476-09	2.408-03	1.196-11	1.138-04
1.6	1.617-07	2.182-03	6.405-07	3.333-03	1.114-02	1.386-09	2.214-03	1.135-11	1.090-04
1.8	3.770-07	3.041-03	9.953-07	4.881-03	1.004-02	1.562-09	2.161-03	1.377-11	1.122-04
2.0	9.671-07	4.623-03	1.711-06	7.830-03	9.935-03	2.573-09	2.337-03	2.457-11	1.311-04
2.2	3.196-06	9.197-03	3.850-06	1.647-02	1.328-02	1.423-08	3.365-03	1.445-10	2.131-04

T= 147CC

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.071-01	3.767-05	4.318-05	7.930-C6	1.310-C5	6.471-06	3.849-09	3.244-10	2.023-08
-6.8	8.326-04	4.698-05	3.455-05	7.380-C6	2.105-C5	1.018-05	7.366-08	6.307-10	3.175-08
-6.6	6.147-04	5.580-05	2.619-05	7.0C4-C6	3.365-C5	1.606-05	1.335-07	1.174-09	4.921-08
-6.4	4.343-04	6.339-05	1.892-05	7.4C4-C6	5.382-05	2.535-05	2.332-07	2.047-09	7.850-08
-6.2	2.984-04	6.937-05	1.314-05	7.378-C6	8.526-C5	4.004-05	3.959-07	3.619-09	1.233-07
-6.0	1.972-04	7.380-05	8.853-06	7.921-C6	1.356-04	6.339-05	6.540-07	6.074-09	1.932-07
-5.8	1.289-04	7.690-05	5.833-06	7.221-C6	2.147-04	1.001-04	1.071-06	1.021-08	3.013-07
-5.6	8.330-05	7.901-05	3.745-06	7.083-C6	3.403-04	1.587-04	1.719-06	1.627-08	4.660-07
-5.4	5.341-05	8.041-05	2.443-06	6.822-C6	5.384-C4	2.509-04	2.773-06	2.619-08	7.130-07
-5.2	3.408-05	8.133-05	1.574-06	6.472-C6	8.526-04	3.984-04	4.423-06	4.184-08	1.C94-06
-5.0	2.169-05	8.193-05	9.977-07	5.985-C6	1.348-03	6.286-04	7.026-06	6.671-08	1.744-06
-4.8	1.379-05	8.239-05	6.354-07	5.352-C6	2.127-03	9.965-04	1.113-05	1.053-07	2.755-06
-4.6	8.771-06	8.270-05	4.054-07	4.549-C6	3.350-03	1.55[illegible]-03	1.757-05	1.678-07	4.391-06
-4.4	5.585-06	8.294-05	2.591-07	3.755-C6	5.265-03	2.473-03	2.763-05	2.644-07	6.817-06
-4.2	3.565-06	8.329-05	1.662-07	2.930-C6	8.22C-03	3.769-03	4.326-05	4.163-07	6.674-06
-4.0	2.295-06	8.366-05	1.073-07	2.194-C6	1.276-02	5.802-03	6.726-05	6.522-07	5.641-06
-3.8	1.473-06	8.419-05	6.597-08	1.591-C6	1.96C-02	8.911-03	1.036-04	1.036-06	6.177-06
-3.6	9.565-07	8.492-05	4.619-08	1.134-C6	2.971-02	1.313-02	1.578-04	1.578-06	6.726-06
-3.4	6.271-07	8.571-05	3.100-08	8.031-C7	4.42C-02	1.903-02	2.353-04	2.401-06	7.210-06
-3.2	4.155-07	8.682-05	2.121-08	5.723-C7	6.423-02	2.693-02	3.439-04	3.622-06	7.651-06
-3.0	2.735-07	8.803-05	1.482-08	4.136-C7	9.075-02	3.672-02	4.892-04	5.378-06	8.055-06
-2.8	1.806-07	8.940-05	1.058-08	3.046-C7	1.243-01	4.828-02	6.752-04	7.816-06	8.519-06
-2.6	1.208-07	9.056-05	7.691-09	2.240-C7	1.645-01	6.124-02	9.023-04	1.112-05	9.113-06
-2.4	8.850-08	9.121-05	5.677-09	1.754-C7	2.107-01	7.511-02	1.167-03	1.565-05	9.521-06
-2.2	6.100-08	9.116-05	4.233-09	1.366-C7	2.613-01	8.936-02	1.461-03	2.062-05	1.005-05
-2.0	4.209-08	9.056-05	3.172-09	1.079-C7	3.144-01	1.035-01	1.776-03	2.756-05	1.C59-05
-1.8	2.901-08	8.780-05	2.380-09	8.591-C8	3.6*C-01	1.171-01	2.095-03	3.549-05	1.112-05
-1.6	1.996-08	8.431-05	1.781-09	6.863-C8	4.203-01	1.299-01	2.411-03	4.437-05	1.153-05
-1.4	1.371-08	7.955-05	1.325-09	5.556-C8	4.697-01	1.416-01	2.714-03	5.416-05	1.211-05
-1.2	9.393-09	7.401-05	9.862-10	4.493-C8	5.153-01	1.522-01	2.994-03	6.469-05	1.255-05
-1.0	6.438-09	6.767-05	7.198-10	3.640-C8	5.562-01	1.615-01	3.252-03	7.585-05	1.276-05
-.8	4.411-09	6.094-05	5.251-10	2.954-C8	5.921-01	1.695-01	3.480-03	8.755-05	1.329-05
-.6	3.028-09	5.412-05	3.811-10	2.4CC-C8	6.23C-01	1.764-01	3.679-03	.[illegible]55-05	1.359-05
-.4	2.C87-09	4.769-05	2.756-10	1.953-C8	6.49C-01	1.823-01	3.852-03	1.[illegible]75-04	1.386-05
-.2	1.447-09	4.126-05	1.992-10	1.593-C8	6.706-01	1.872-01	4.001-03	1.136-04	1.409-05
.0	1.C13-09	3.557-05	1.443-10	1.303-C8	6.872-01	1.913-01	4.131-03	1.214-04	1.430-05
.2	7.179-10	3.051-05	1.052-10	1.C7C-C8	6.995-01	1.947-01	4.245-03	1.293-04	1.450-05
.4	5.177-10	2.611-05	7.750-11	8.838-C9	7.C7C-01	1.977-01	4.351-03	1.384-04	1.469-05
.6	3.821-10	2.237-05	5.811-11	7.357-C9	7.C93-01	2.002-01	4.453-03	1.494-04	1.491-05
.8	2.911-10	1.927-05	4.468-11	6.191-C9	7.C55-01	2.025-01	4.561-03	1.625-04	1.517-05
1.0	2.316-10	1.675-05	3.560-11	5.286-C9	6.944-01	2.046-01	4.693-03	1.786-04	1.548-05
1.2	1.957-10	1.479-05	2.985-11	4.603-C9	6.748-01	2.064-01	4.826-03	1.970-04	1.580-05
1.4	1.802-10	1.335-05	2.693-11	4.115-C9	6.457-01	2.077-01	5.[illegible]9-03	1.544-04	1.642-05
1.6	1.887-10	1.246-05	2.719-11	3.814-C9	6.C64-01	2.081-01	5.208-03	2.552-04	1.727-05
1.8	2.444-10	1.224-05	3.315-11	3.739-C9	5.572-01	2.066-01	5.449-03	1.531-04	1.746-05
2.0	4.780-10	1.327-05	5.907-11	4.059-C9	4.996-01	2.014-01	5.711-03	1.495-04	1.876-05
2.2	3.230-09	1.921-05	3.476-10	5.980-C9	4.287-01	1.859-01	5.919-03	1.322-04	1.969-05

T= 147CC

LOG C	E-	Z	E/RT	H/RT	S/R	LOG K	Z*
-7.0	5.122-01	4.081444+C0	3.83877+01	4.24691+C1	1.31880+C2	-4.[illegible]02+00	4.08178+00
-6.8	5.C81-01	4.04744+C0	3.75492+01	4.15966+C1	1.29171+C2	-4.46165+00	4.04785+00
-6.6	5.053-01	4.02430+C0	3.69805+01	4.10C48+C1	1.26744+02	-4.26414+00	4.02483+00
-6.4	5.036-01	4.00881+C0	3.66020+01	4.C6109+C1	1.24516+C2	-4.06581+00	4.00943+00
-6.2	5.022-01	3.99850+C0	3.63531+01	4.C3516+01	1.22423+C2	-3.86693+00	3.99326+00
-6.0	5.013-01	3.99156+C0	3.61896+01	4.C1812+C1	1.2C420+C2	-3.66749+00	3.98251+00
-5.8	5.007-01	3.98672+C0	3.60810+01	4.C0677+C1	1.1P475+02	-3.46821+00	3.98791+00
-5.6	5.003-01	3.98304+C0	3.60058+01	3.99888+C1	1.16564+C2	-3.26861+00	3.98453+00
-5.4	5.000-01	3.97982+C0	3.59657+01	3.99285+01	1.14674+C2	-3.06896+00	3.98162+00
-5.2	4.996-01	3.97645+C0	3.58980+01	3.9b745+C1	1.12791+C2	-2.86933+00	3.97874+00
-5.0	4.992-01	3.97229+C0	3.58434+01	3.98157+C1	1.1C906+02	-2.66979+00	3.97521+00
-4.8	4.985-01	3.96658+C0	3.57739+C1	3.97405+C1	1.C9008+C2	-2.47041+00	3.97027+00
-4.6	4.976-01	3.95830+00	3.56757+C1	3.96346+C1	1.07085+C2	-2.27132+00	3.96291+00
-4.4	4.962-01	3.94599+C0	3.55304+01	3.94764+C1	1.C5120+C2	-2.07267+00	3.95175+00
-4.2	4.940-01	3.92761+C0	3.53123+01	3.92399+01	1.03089+02	-1.87470+00	3.93677+00
-4.0	4.907-01	3.90040+C0	3.49865+01	3.88965+01	1.CC960+02	-1.67772+00	3.9[illegible]+00
-3.8	4.857-01	3.86079+C0	3.45088+01	3.83696+01	9.86946+01	-1.48215+00	3.87[illegible]+00
-3.6	4.785-01	3.80480+C0	3.38284+01	3.76332+01	9.62485+01	-1.29459+00	3.81749+00
-3.4	4.682-01	3.72869+C0	3.28980+01	3.66267+01	9.35826+01	-1.03727+00	3.74638+00
-3.2	4.542-01	3.63027+C0	3.16886+01	3.5310[illegible]+01	9.06779+01	-9.08[illegible]0-01	3.66[illegible]+00
-3.0	4.360-01	3.51009+C0	3.02054+01	3.37155+01	8.75693+01	-7.23510-01	3.53[illegible]+00
-2.8	4.136-01	3.37201+C0	2.84949+01	3.18669+01	8.42542+01	-5.40940-01	3.39399+00
-2.6	3.866-01	3.22258+C0	2.66379+01	2.98605+01	8.08785+01	-3.60630-01	3.24599+00
-2.4	3.565-01	3.06953+C0	2.47305+C1	2.78CCC+C1	7.75220+01	-1.81760-01	3.09381+00
-2.2	3.239-01	2.92017+C0	2.28639+01	2.5784[illegible]+C1	7.42766+01	-3.42000-03	2.94475+00
-2.0	2.901-01	2.78019+C0	2.11100+01	2.38902+C1	7.12106+01	1.75250-01	2.8[illegible]57+00
-1.8	2.563-01	2.65328+C0	1.95159+C1	2.21691+C1	6.83661+01	3.54950-01	2.67706+00
-1.6	2.236-01	2.54123+C0	1.81051+01	2.[illegible]4663+C1	6.57599+01	5.36210-01	2.58606+00
-1.4	1.928-01	2.44436+C0	1.68827+C1	1.91271+C1	6.33902+01	7.19340-01	2.46606+00
-1.2	1.646-01	2.36198+C0	1.58408+01	1.8202[illegible]+C1	6.12422+01	9.04650-01	2.38236+00
-1.0	1.393-01	2.29276+C0	1.49637+01	1.72565+C1	5.92939+01	1.09153+00	2.31177+00
-.8	1.170-01	2.23508+C0	1.42318+01	1.6666[illegible]+01	5.75158+01	1.28066+00	2.25265+00
-.6	9.771-02	2.18719+C0	1.36261+01	1.58113+C1	5.58942+01	1.47106+00	2.20333+00
-.4	8.126-02	2.14738+C0	1.31197+01	1.52670+C1	5.43920+01	1.66338+00	2.16196+00
-.2	6.739-02	2.11394+C0	1.26983+01	1.48123+01	5.29897+01	1.85626+00	2.12683+00
.0	5.580-02	2.08520+C0	1.23406+01	1.44258+C1	5.16652+01	2.05032+00	2.09617+00
.2	4.621-02	2.05968+C0	1.20270+01	1.40865+01	5.03976+01	2.24493+00	2.06948+00
.4	3.833-02	2.03500+C0	1.17376+01	1.37726+01	4.91652+01	2.43973+00	2.04550+00
.6	3.191-02	2.CC988+C0	1.14513+01	1.34611+C1	4.79475+01	2.63434+00	2.021[illegible]+00
.8	2.671-02	1.98224+C0	1.11460+01	1.31282+C1	4.67229+01	2.82833+00	1.99728+00
1.0	2.256-02	1.95046+C0	1.08005+C1	1.27509+01	4.54717+01	3.02131+00	1.97344+00
1.2	1.928-02	1.91381+C0	1.03980+01	1.23113+C1	4.41793+01	3.21307+00	1.94655+00
1.4	1.676-02	1.87319+C0	9.93162+00	1.18066+C1	4.28467+01	3.40375+00	1.91644+00
1.6	1.496-02	1.83171+C0	9.48723+00	1.12789+C1	4.1463[illegible]+01	3.59[illegible]+00	1.[illegible]5[illegible]+00
1.8	1.396-02	1.79474+C0	8.8+638+00	1.C641[illegible]+C1	4.00[illegible]+01	3.78517+00	1.[illegible]+00
2.0	1.424-02	1.76[illegible]+C0	8.28613+00	1.C0544+C1	3.85[illegible]+01	3.97473+00	1.59871+00
2.2	1.946-02	1.74335+C0	7.82449+00	9.56784+00	3.7416[illegible]+01	4.17256+00	1.57317+00

T= 14000

LOG D	N2	O2	NO	CO	CO2	NO2	N2P	N2+	O2+
-7.0	2.454-19	4.709-21	6.233-20	9.259-24	.000+00	.000+00	.000+00	8.949-15	3.925-16
-6.8	9.996-19	1.827-20	2.478-19	2.554-23	.000+00	.000+00	.000+00	2.106-14	9.790-16
-6.6	4.035-18	7.143-20	9.842-19	1.195-22	.000+00	.000+00	.000+00	5.541-14	2.467-15
-6.4	1.620-17	2.808-19	3.910-18	5.379-22	.000+00	.000+00	.000+00	1.442-13	6.123-15
-6.2	6.480-17	1.104-18	1.553-17	2.340-21	.000+00	.000+00	.000+00	3.661-13	1.534-14
-6.0	2.586-16	4.383-18	6.172-17	9.956-21	.000+00	.000+00	.000+00	9.238-13	3.864-14
-5.8	1.030-15	1.735-17	2.452-16	4.107-20	.000+00	.000+00	.000+00	2.334-12	9.636-14
-5.6	4.099-15	6.879-17	9.735-16	1.678-19	.000+00	.000+00	.000+00	5.873-12	2.415-13
-5.4	1.629-14	2.725-16	3.862-15	6.781-19	.000+00	.000+00	.000+00	1.475-11	6.049-13
-5.2	6.460-14	1.078-15	1.530-14	2.720-18	.000+00	.000+00	.000+00	3.700-11	1.513-12
-5.0	2.557-13	4.257-15	6.048-14	1.089-17	.000+00	.000+00	.000+00	9.288-11	3.780-12
-4.8	1.009-12	1.674-14	2.383-13	4.297-17	.000+00	.000+00	.000+00	2.315-10	9.413-12
-4.6	3.963-12	6.547-14	9.330-13	1.693-16	.000+00	.000+00	.000+00	5.766-10	2.334-11
-4.4	1.546-11	2.537-13	3.631-12	6.618-16	.000+00	.000+00	.000+00	1.429-09	5.747-11
-4.2	5.972-11	9.702-13	1.395-11	2.560-15	.000+00	.000+00	.000+00	3.519-09	1.401-10
-4.0	2.272-10	3.837-12	5.270-11	9.754-15	.000+00	.000+00	.000+00	8.577-09	3.363-10
-3.8	8.462-10	1.325-11	1.941-10	3.638-14	.000+00	.000+00	.000+00	2.060-08	7.899-10
-3.6	3.057-09	4.637-11	6.902-10	1.317-13	.000+00	.000+00	.000+00	4.844-08	1.800
-3.4	1.061-08	1.540-10	2.343-09	4.559-13	.000 00	.000+00	.000+00	1.108-07	-09
-3.2	3.495-08	4.796-10	7.506-09	1.523-12	.000+00	.000+00	.000+00	2.443-07	8.215-09
-3.0	1.083-07	1.387-09	2.267-08	4.774-12	.000+00	.000+00	.000+00	5.161-07	1.619-08
-2.8	3.134-07	3.706-09	6.247-08	1.407-11	.000+00	.000+00	.000+00	1.038-06	3.009-08
-2.6	8.440-07	9.165-09	1.612-07	3.891-11	.000+00	.000+00	.000+00	1.983-06	5.276-08
-2.4	2.117-06	2.108-08	3.873-07	1.012-10	.000+00	.000+00	.000+00	3.537-06	8.776-08
-2.2	4.969-06	4.551-08	8.718-07	2.483-10	.000+00	.000+00	.000+00	6.211-06	1.394-07
-2.0	1.097-05	9.302-08	1.852-06	5.775-10	.000+00	.000+00	.000+00	1.025-05	2.128-07
-1.8	2.295-05	1.816-07	3.742-06	1.280-09	.000+00	.000+00	.000+00	1.623-05	3.146-07
-1.6	4.551-05	3.413-07	7.248-06	2.716-09	.000+00	.000+00	.000+00	2.481-05	4.529-07
-1.4	8.782-05	6.216-07	1.354-05	5.539-09	.000+00	.000+00	.000+00	3.678-05	6.378-07
-1.2	1.627-04	1.103-06	2.456-05	1.091-08	.000+00	.000+00	.000+00	5.313-05	8.826-07
-1.0	2.930-04	1.917-06	4.345-05	2.060-08	.000+00	.000+00	.000+00	7.519-05	1.204-06
-.8	5.150-04	3.273-06	7.526-05	3.859-08	.000+00	.000+00	.000+00	1.043-04	1.624-06
-.6	8.870-04	5.509-06	1.281-04	6.983-08	.000+00	.000+00	.000+00	1.426-04	2.171-06
-.4	1.502-03	9.165-06	2.151-04	1.237-07	.000+00	.000+00	.000+00	1.928-04	2.884-06
-.2	2.505-03	1.510-05	3.565-04	2.149-07	.000+00	.000+00	.000+00	2.581-04	3.813-06
.0	4.124-03	2.468-05	5.848-04	3.676-07	.000+00	.000+00	.000+00	3.426-04	5.029-06
.2	6.702-03	4.008-05	9.499-04	6.203-07	.000+00	.000+00	.000+00	4.517-04	6.629-06
.4	1.075-02	6.473-05	1.529-03	1.035-06	.000+00	.000+00	.000+00	5.916-04	8.751-06
.6	1.699-02	1.04 -04	2.436-03	1.709-06	.000+00	.000+00	.000+00	7.697-04	1.140-05
.8	2.637-02	1.665-04	3.838-03	2.798-06	.000+00	.000+00	.000+00	9.940-04	1.548-05
1.0	4.004-02	2.654-04	5.968-03	4.547-06	.000+00	.000+00	.000+00	1.274-03	2.089-05
1.2	5.921-02	4.210-04	9.134-03	7.330-06	.000+00	.000+00	.000+00	1.621-03	2.865-05
1.4	8.485-02	6.641-04	1.372-02	1.170-05	.000+00	.000+00	.000+00	2.058-03	4.027-05
1.6	1.174-01	1.039-03	2.015-02	1.844-05	.000+00	.000+00	.000+00	2.635-03	5.691-05
1.8	1.566-01	1.605-03	2.885-02	2.868-05	.000+00	.000+00	.000+00	3.491-03	9.119-05
2.0	2.010-01	2.419-03	3.999-02	4.252-05	.000+00	.000+00	.000+00	5.081-03	1.577-04
2.2	2.448-01	3.329-03	5.152-02	5.768-05	.000+00	.000+00	.000+00	1.016-02	3.602-04

T= 14000

LOG D	O2-	NO+	CO+	O-	N+	N++	C+	O++	A+
-7.0	1.292-31	1.043-14	2.628-19	1.771-14	3.544-01	2.670-02	1.021-01	3.294-04	1.127-03
-6.8	7.801-31	2.664-14	8.210-19	4.331-14	3.670-01	1.778-02	1.032-01	2.140-04	1.388-03
-6.6	4.771-30	6.766-14	2.455-18	1.068-13	3.756-01	1.163-02	1.039-01	1.378-04	1.631-03
-6.4	2.947-29	1.711-13	7.037-18	2.647-13	3.815-01	7.523-03	1.044-01	8.820-05	1.835-03
-6.2	1.832-28	4.316-13	1.943-17	6.592-13	3.853-01	4.824-03	1.047-01	5.618-05	1.994-03
-6.0	1.144-27	1.086-12	5.212-17	1.646-12	3.877-01	3.077-03	1.049-01	3.567-05	2.110-03
-5.8	7.163-27	2.731-12	1.368-16	4.115-12	3.893-01	1.956-03	1.051-01	2.261-05	2.191-03
-5.6	4.499-26	6.859-12	3.533-16	1.030-11	3.903-01	1.241-03	1.051-01	1.431-05	2.245-03
-5.4	2.815-25	1.720-11	9.028-16	2.577-11	3.909-01	7.861-04	1.051-01	9.056-06	2.280-03
-5.2	1.762-24	4.310-11	2.290-15	6.447-11	3.911-01	4.978-04	1.051-01	5.727-06	2.303-03
-5.0	1.102-23	1.078-10	5.774-15	1.611-10	3.912-01	3.153-04	1.049-01	3.623-06	2.317-03
-4.8	6.896-23	2.688-10	1.449-14	4.014-10	3.911-01	1.998-04	1.047-01	2.292-06	2.326-03
-4.6	4.328-22	6.681-10	3.620-14	9.967-10	3.907-01	1.267-04	1.044-01	1.450-06	2.330-03
-4.4	2.586-21	1.651-09	8.992-14	2.460-09	3.900-01	8.052-05	1.039-01	9.186-07	2.330-03
-4.2	1.553-20	4.044-09	2.217-13	6.021-09	3.889-01	5.129-05	1.031-01	5.823-07	2.328-03
-4.0	9.119-20	9.781-09	5.411-13	1.454-08	3.871-01	3.279-05	1.018-01	3.695-07	2.321-03
-3.8	5.166-19	2.323-08	1.301-12	3.445-08	3.844-01	2.107-05	9.998-02	2.348-07	2.311-03
-3.6	2.789-18	5.378-08	3.068-12	7.949-08	3.803-01	1.362-05	9.736-02	1.494-07	2.293-03
-3.4	1.413-17	1.203-07	7.044-12	1.771-07	3.743-01	8.883-06	9.376-02	9.532-08	2.268-03
-3.2	6.610-17	2.580-07	1.565-11	3.776-07	3.657-01	5.845-06	8.908-02	6.098-08	2.227-03
-3.0	2.823-16	5.265-07	3.344-11	7.655-07	3.542-01	3.885-06	8.332-02	3.915-08	2.171-03
-2.8	1.094-15	1.019-06	6.851-11	1.469-06	3.391-01	2.607-06	7.667-02	2.525-08	2.096-03
-2.6	3.849-15	1.863-06	1.344-10	2.668-06	3.204-01	1.763-06	6.962-02	1.636-08	1.999-03
-2.4	1.237-14	3.236-06	2.526-10	4.600-06	2.985-01	1.199-06	6.192-02	1.066-08	1.881-03
-2.2	3.672-14	5.359-06	4.561-10	7.565-06	2.739-01	8.191-07	5.449-02	6.981-09	1.743-03
-2.0	1.017-13	8.505-06	7.928-10	1.193-05	2.475-01	5.602-07	4.739-02	4.594-09	1.591-03
-1.8	2.660-13	1.301-05	1.331-09	1.816-05	2.205-01	3.832-07	4.077-02	3.036-09	1.430-03
-1.6	6.634-13	1.930-05	2.162-09	2.682-05	1.937-01	2.620-07	3.475-02	2.014-09	1.267-
-1.4	1.591-12	2.789-05	3.410-09	3.861-05	1.680-01	1.789-07	2.939-02	1.340-09	1.108-03
-1.2	3.695-12	3.944-05	5.234-09	5.442-05	1.441-01	1.220-07	2.468-02	8.949-10	9.566-04
-1.0	8.364-12	5.476-05	7.838-09	7.539-05	1.225-01	8.325-08	2.060-02	5.997-10	8.177-04
-.8	1.855-11	7.492-05	1.148-08	1.030-04	1.032-01	5.684-08	1.711-02	4.035-10	6.930-04
-.6	4.047-11	1.017-04	1.571-08	1.391-04	8.666-02	3.899-08	1.417-02	2.730-10	5.832-04
-.4	8.717-11	1.357-04	2.334-08	1.863-04	7.203-02	2.671-08	1.170-02	1.858-10	4.894-04
-.2	1.859-10	1.805-04	3.777-08	2.479-04	5.979-02	1.845-08	9.651-03	1.275-10	4.076-04
.0	3.939-10	2.384-04	6.485-08	3.284-04	4.949-02	1.286-08	7.962-03	8.866-11	3.398-04
.2	8.303-10	3.144-04	6.158-08	4.339-04	4.091-02	9.029-09	6.579-03	6.217-11	2.835-04
.4	1.746-09	4.133-04	8.394-08	5.729-04	3.380-02	6.433-09	5.456-03	4.444-11	2.373-04
.6	3.659-09	5.419-04	1.144-07	7.574-04	2.795-02	4.663-09	4.551-03	3.249-11	2.000-04
.8	7.725-09	7.047-04	1.564-07	1.004-03	2.315-02	3.457-09	3.829-03	2.445-11	1.704-04
1.0	1.634-08	9.258-04	2.155-07	1.340-03	1.924-02	2.643-09	3.263-03	1.914-11	1.475-04
1.2	3.449-08	1.221-03	3.011-07	1.805-03	1.610-02	2.111-09	2.830-03	1.583-11	1.306-04
1.4	7.362-08	1.614-03	4.300-	2.443-03	1.363-02	1.799-09	2.518-03	1.414-11	1.195-04
1.6	1.604-07	2.176-03	6.396-07	3.283-03	1.180-02	1.704-09	2.323-03	1.422-11	1.166-04
1.8	3.935-07	3.048-03	9.929-07	5.[illegible]-03	1.067-02	1.946-09	2.271-03	1.744-11	1.192-04
2.0	1.043-06	4.468-03	1.721-06	8.[illegible]-03	1.065-02	2.[illegible]85-09	2.468-03	3.161-11	1.347-04
2.2	3.393-06	9.679-03	3.951-06	1.751-02	1.459-02	2.005-08	3.623-03	2.054-10	2.304-04

T= 14800

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.153-03	3.486-05	4.568-05	7.304-06	1.196-05	5.963-06	3.322-08	2.823-10	1.742-08
-6.8	9.130-04	4.411-05	3.718-05	7.363-06	1.926-05	9.379-06	6.357-08	5.559-10	2.810-08
-6.6	6.857-04	5.319-05	2.845-05	7.366-06	3.084-05	1.477-05	1.170-07	1.044-09	4.415-08
-6.4	4.914-04	6.121-05	2.099-05	7.364-06	4.619-05	2.332-05	2.068-07	1.996-09	6.942-08
-6.2	3.390-04	6.770-05	1.476-05	7.356-06	7.026-05	3.696-05	3.560-07	3.300-09	1.031-07
-6.0	2.274-04	7.259-05	1.002-05	7.339-06	1.243-04	5.826-05	5.912-07	5.565-09	1.711-07
-5.8	1.495-04	7.607-05	6.644-06	7.253-06	1.972-04	9.217-05	9.699-07	9.243-09	2.671-07
-5.6	9.690-05	7.845-05	4.337-06	7.113-06	3.126-04	1.458-04	1.572-06	1.508-08	4.142-07
-5.4	6.227-05	8.004-05	2.799-06	6.838-06	4.952-04	2.306-04	2.525-06	2.431-08	6.353-07
-5.2	3.990-05	8.109-05	1.795-06	6.560-06	7.836-04	3.645-04	4.032-06	3.849-08	9.585-07
-5.0	2.535-05	8.179-05	1.146-06	6.133-06	1.239-03	5.755-04	6.413-06	6.115-08	1.412-06
-4.8	1.613-05	8.226-05	7.308-07	5.540-06	1.956-03	9.072-04	1.016-05	9.674-08	2.014-06
-4.6	1.026-05	8.262-05	4.860-07	4.809-06	3.082-03	1.426-03	1.606-05	1.564-07	2.756-06
-4.4	6.532-06	8.291-05	2.977-07	3.988-06	4.842-03	2.231-03	2.528-05	2.470-07	3.599-06
-4.2	4.169-06	8.321-05	1.909-07	3.153-06	7.574-03	3.476-03	3.982-05	3.909-07	4.464-06
-4.0	2.670-06	8.356-05	1.231-07	2.387-06	1.177-02	5.361-03	6.169-05	6.098-07	5.277-06
-3.8	1.720-06	8.403-05	8.010-08	1.746-06	1.812-02	8.184-03	9.521-05	9.508-07	5.986-06
-3.6	1.115-06	8.466-05	5.275-08	1.250-06	2.795-02	1.271-02	1.451-04	1.472-06	6.584-06
-3.4	7.302-07	8.549-05	3.528-08	8.877-07	4.313-02	1.786-02	2.176-04	2.255-06	7.092-06
-3.2	4.832-07	8.654-05	2.405-08	6.323-07	6.004-02	2.532-02	3.194-04	3.409-06	7.547-06
-3.0	3.234-07	8.777-05	1.674-08	4.561-07	8.529-02	3.475-02	4.569-04	5.073-06	7.986-06
-2.8	2.148-07	8.906-05	1.191-08	3.349-07	1.175-01	4.599-02	6.345-04	7.404-06	8.435-06
-2.6	1.493-07	9.020-05	8.631-09	2.510-07	1.565-01	5.871-02	8.533-04	1.057-05	8.911-06
-2.4	1.026-07	9.094-05	6.355-09	1.917-07	2.016-01	7.244-02	1.113-03	1.474-05	9.416-06
-2.2	7.079-08	9.097-05	4.731-09	1.490-07	2.515-01	8.665-02	1.399-03	2.004-05	9.944-06
-2.0	4.899-08	9.004-05	3.544-09	1.173-07	3.042-01	1.006-01	1.709-03	2.655-05	1.048-05
-1.8	3.376-08	8.795-05	2.659-09	9.337-08	3.578-01	1.146-01	2.029-03	3.425-05	1.102-05
-1.6	2.327-08	8.463-05	1.991-09	7.485-08	4.104-01	1.275-01	2.347-03	4.304-05	1.153-05
-1.4	1.601-08	8.014-05	1.484-09	6.031-08	4.604-01	1.395-01	2.653-03	5.270-05	1.202-05
-1.2	1.100-08	7.465-05	1.099-09	4.876-08	5.067-01	1.502-01	2.939-03	6.297-05	1.246-05
-1.0	7.546-09	6.842-05	8.086-10	3.951-08	5.485-01	1.597-01	3.200-03	7.351-05	1.287-05
-.8	5.180-09	6.175-05	5.911-10	3.207-08	5.853-01	1.680-01	3.433-03	8.399-05	1.327-05
-.6	3.562-09	5.496-05	4.299-10	2.607-08	6.171-01	1.751-01	3.638-03	9.411-05	1.353-05
-.4	2.459-09	4.832-05	3.115-10	2.122-08	6.440-01	1.811-01	3.816-03	1.036-04	1.381-05
-.2	1.709-09	4.205-05	2.256-10	1.731-08	6.662-01	1.862-01	3.970-03	1.124-04	1.404-05
.0	1.198-09	3.631-05	1.638-10	1.417-08	6.837-01	1.904-01	4.104-03	1.203-04	1.426-05
.2	8.503-10	3.119-05	1.196-10	1.164-08	6.968-01	1.940-01	4.222-03	1.273-04	1.446-05
.4	6.142-10	2.673-05	8.835-11	9.613-09	7.051-01	1.970-01	4.329-03	1.335-04	1.446-05
.6	4.541-10	2.293-05	6.639-11	8.004-09	7.082-01	1.996-01	4.433-03	1.389-04	1.487-05
.8	3.467-10	1.977-05	5.118-11	6.736-09	7.053-01	2.019-01	4.541-03	1.437-04	1.512-05
1.0	2.765-10	1.721-05	4.091-11	5.752-09	6.952-01	2.039-01	4.661-03	1.479-04	1.544-05
1.2	2.343-10	1.522-05	3.444-11	5.010-09	6.767-01	2.057-01	4.802-03	1.516-04	1.584-05
1.4	2.166-10	1.377-05	3.125-11	4.482-09	6.486-01	2.070-01	4.973-03	1.560-04	1.635-05
1.6	2.284-10	1.289-05	3.182-11	4.161-09	6.104-01	2.074-01	5.176-03	1.550-04	1.699-05
1.8	2.989-10	1.273-05	3.932-11	4.088-09	5.620-01	2.058-01	5.413-03	1.532-04	1.776-05
2.0	5.975-10	1.393-05	7.189-11	4.462-09	5.038-01	2.005-01	5.671-03	1.471-04	1.866-05
2.2	4.441-09	2.065-05	4.667-10	6.737-09	4.333-01	1.841-01	5.862-03	1.328-04	1.956-05

T= 14800

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	5.141-01	4.09719+00	3.85642+01	4.26614+01	1.32318+02	-4.65340+00	4.09754+00
-6.8	5.095-01	4.05829+00	3.76103+01	4.16686+01	1.29487+02	-4.45754+00	4.05870+00
-6.6	5.062-01	4.03161+00	3.69579+01	4.09895+01	1.26972+02	-4.26041+00	4.03211+00
-6.4	5.040-01	4.01365+00	3.65210+01	4.05347+01	1.24683+02	-4.06234+00	4.01426+00
-6.2	5.026-01	4.00168+00	3.62326+01	4.02342+01	1.22549+02	-3.86364+00	4.00243+00
-6.0	5.018-01	3.99365+00	3.60432+01	4.00368+01	1.20519+02	-3.66451+00	3.99460+00
-5.8	5.009-01	3.98813+00	3.59179+01	3.99066+01	1.18556+02	-3.46512+00	3.98930+00
-5.6	5.005-01	3.98404+00	3.58324+01	3.98164+01	1.16634+02	-3.26556+00	3.98551+00
-5.4	5.001-01	3.98062+00	3.57695+01	3.97501+01	1.14738+02	-3.06593+00	3.98267+00
-5.2	4.997-01	3.97721+00	3.57163+01	3.96935+01	1.12852+02	-2.86631+00	3.97953+00
-5.0	4.993-01	3.97316+00	3.56620+01	3.96351+01	1.10967+02	-2.66675+00	3.97607+00
-4.8	4.987-01	3.96774+00	3.55954+01	3.95632+01	1.09072+02	-2.46734+00	3.97140+00
-4.6	4.978-01	3.95998+00	3.55036+01	3.94636+01	1.07155+02	-2.26819+00	3.96455+00
-4.4	4.965-01	3.94849+00	3.53690+01	3.93175+01	1.05159+02	-2.06945+00	3.95420+00
-4.2	4.945-01	3.93137+00	3.51675+01	3.90989+01	1.03183+02	-1.87134+00	3.93867+00
-4.0	4.914-01	3.90598+00	3.48663+01	3.87723+01	1.01077+02	-1.67415+00	3.91475+00
-3.8	4.868-01	3.86890+00	3.44229+01	3.82918+01	9.88424+01	-1.47830+00	3.87765+00
-3.6	4.801-01	3.81618+00	3.37876+01	3.76038+01	9.64370+01	-1.28426+00	3.82918+00
-3.4	4.704-01	3.74398+00	3.29170+01	3.66555+01	9.38199+01	-1.09255+00	3.75942+00
-3.2	4.572-01	3.64972+00	3.17625+01	3.54122+01	9.09670+01	-9.03620-01	3.66766+00
-3.0	4.398-01	3.53338+00	3.03372+01	3.38706+01	8.78870+01	-7.17690-01	3.55370+00
-2.8	4.180-01	3.39821+00	2.86748+01	3.20736+01	8.46280+01	-5.34630-01	3.42060+00
-2.6	3.920-01	3.25037+00	2.68504+01	3.01608+01	8.12724+01	-3.53950-01	3.27434+00
-2.4	3.624-01	3.09748+00	2.49581+01	2.80556+01	7.79181+01	-1.74880-01	3.12246+00
-2.2	3.302-01	2.94704+00	2.30907+01	2.60378+01	7.46592+01	3.50000-03	2.97245+00
-2.0	2.966-01	2.80507+00	2.13237+01	2.41288+01	7.15683+01	1.82060-01	2.83036+00
-1.8	2.628-01	2.67562+00	1.97085+01	2.23841+01	6.86917+01	3.61540-01	2.70035+00
-1.6	2.298-01	2.56081+00	1.82724+01	2.08333+01	6.60506+01	5.42490-01	2.58463+00
-1.4	1.986-01	2.46120+00	1.70236+01	1.94868+01	6.36460+01	7.25260-01	2.48388+00
-1.2	1.699-01	2.37725+00	1.59561+01	1.83323+01	6.14652+01	9.10010-01	2.39762+00
-1.0	1.440-01	2.30472+00	1.50554+01	1.73601+01	5.94873+01	1.09673+00	2.32469+00
-.8	1.212-01	2.24503+00	1.43026+01	1.65476+01	5.76873+01	1.28534+00	2.26353+00
-.6	1.014-01	2.19545+00	1.36770+01	1.58724+01	5.60396+01	1.47564+00	2.21244+00
-.4	8.442-02	2.15425+00	1.31578+01	1.53119+01	5.45190+01	1.66741+00	2.16985+00
-.2	7.008-02	2.11970+00	1.27243+01	1.48446+01	5.31019+01	1.86039+00	2.13339+00
.0	5.809-02	2.09015+00	1.23574+01	1.44476+01	5.17656+01	2.05429+00	2.10187+00
.2	4.814-02	2.06389+00	1.20376+01	1.41015+01	5.04895+01	2.24880+00	2.07322+00
.4	3.997-02	2.03918+00	1.17449+01	1.37841+01	4.92521+01	2.44357+00	2.04534+00
.6	3.329-02	2.01415+00	1.14584+01	1.34726+01	4.80323+01	2.63821+00	2.01604+00
.8	2.788-02	1.98692+00	1.11563+01	1.31432+01	4.68088+01	2.83230+00	1.98262+00
1.0	2.356-02	1.95584+00	1.08169+01	1.27727+01	4.55614+01	3.02545+00	1.94250+00
1.2	2.014-02	1.92009+00	1.04229+01	1.23436+01	4.42744+01	3.21744+00	1.89344+00
1.4	1.752-02	1.88038+00	9.96573+00	1.18461+01	4.29425+01	3.40836+00	1.83425+00
1.6	1.565-02	1.83964+00	9.45037+00	1.12900+01	4.15706+01	3.59885+00	1.76525+00
1.8	1.463-02	1.80299+00	8.89665+00	1.06996+01	4.01785+01	3.79011+00	1.69849+00
2.0	1.500-02	1.77614+00	8.34221+00	1.01183+01	3.88004+01	3.98359+00	1.60764+00
2.2	2.095-02	1.74716+00	7.89435+00	9.66151+00	3.75399+01	4.17645+00	1.53301+00

T= 1490C

LOG C	N2	C2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.947-19	3.942-21	5.996-20	3.993-24	.CCC+CO	.CCC+CO	.CCC+00	7.210-15	3.517-16
-6.8	7.964-19	1.525-20	2.027-19	1.960-23	.CCC+CO	.CCC+00	.000+00	1.900-14	8.766-16
-6.6	3.24-18	5.966-20	8.054-19	9.271-23	.CCC+CO	.CCC+00	.000+00	4.926-14	2.189-15
-6.4	1.296-17	2.333-19	3.199-18	4.219-22	.CCC+CO	.000+00	.000+00	1.263-13	5.477-15
-6.2	5.191-17	9.135-19	1.271-17	1.853-21	.CCC+CO	.000+00	.000+00	3.213-13	1.371-14
-6.0	2.073-16	3.634-18	5.049-17	7.901-21	.CCC+CO	.CCC+00	.000+00	8.135-13	3.436-14
-5.8	8.263-16	1.439-17	2.006-16	3.293-20	.CCC+CO	.000+00	.000+00	2.053-12	8.613-14
-5.6	3.288-15	5.700-17	7.944-16	1.350-19	.CCC+00	.CCC+00	.000+00	5.168-12	2.159-13
-5.4	1.307-14	2.258-16	3.130-15	5.473-19	.CCC+CO	.000+00	.000+00	1.277-11	5.407-13
-5.2	5.185-14	8.934-16	1.252-14	2.199-18	.CCC+CO	.CCC+00	.000+00	3.259-11	1.353-12
-5.0	2.053-13	3.529-15	4.952-14	8.778-18	.CCC+CO	.000+00	.000+00	8.163-11	3.381-12
-4.8	8.107-13	1.389-14	1.952-13	3.484-17	.CCC+CO	.000+00	.000+00	2.060-10	8.425-12
-4.6	3.187-12	5.438-14	7.678-13	1.374-16	.CCC+CO	.000+00	.000+00	5.035-10	2.031-11
-4.4	1.245-11	2.112-13	2.973-12	5.391-16	.CCC+CO	.CCC+00	.000+00	1.262-09	5.156-11
-4.2	4.819-11	8.096-13	1.149-11	2.086-15	.CCC+CO	.000+00	.000+00	3.111-09	1.259-10
-4.0	1.839-10	3.047-12	4.356-11	7.931-15	.CCC+CO	.000+00	.000+00	7.593-09	3.033-10
-3.8	6.879-10	1.116-11	1.612-10	2.986-14	.CCC+CO	.000+00	.000+00	1.838-08	7.156-10
-3.6	2.500-09	3.938-11	5.772-10	1.087-13	.CCC+CO	.CCC+00	.000+00	4.322-08	1.641-09
-3.4	8.744-09	1.322-10	1.978-09	3.816-13	.CCC+CO	.CCC+00	.000+00	9.940-08	3.621-09
-3.2	2.910-08	4.168-10	6.466-09	1.278-12	.CCC+00	.000+00	.000+00	2.208-07	7.670-09
-3.0	9.122-08	1.222-09	1.942-08	4.048-12	.CCC+CO	.000+00	.000+00	4.703-07	1.518-08
-2.8	2.673-07	3.313-09	5.674-08	1.206-11	.CCC+CO	.CCC+00	.000+00	9.546-07	2.851-08
-2.6	7.292-07	8.305-09	1.432-07	3.373-11	.CCC+CO	.000+00	.000+00	1.891-06	5.052-08
-2.4	1.853-06	1.935-08	3.483-07	8.861-11	.CCC+CO	.000+00	.000+00	3.771-06	8.482-08
-2.2	4.344-06	4.222-08	7.928-07	2.195-10	.CCC+CO	.CCC+00	.000+00	5.871-06	1.358-07
-2.0	9.816-06	8.711-08	1.701-06	5.150-10	.CCC+CO	.000+00	.000+00	9.765-06	2.088-07
-1.8	2.073-05	1.714-07	3.467-06	1.150-09	.CCC+00	.000+00	.000+00	1.558-05	3.105-07
-1.6	4.170-05	3.242-07	6.763-06	2.457-09	.CCC+CO	.CCC+00	.000+00	2.497-05	4.490-07
-1.4	8.050-05	5.934-07	1.272-05	5.040-09	.CCC+CO	.CCC+00	.CCC+00	3.973-05	6.349-07
-1.2	1.500-04	1.059-06	2.316-05	9.976-09	.CCC+CC	.CCC+00	.000+00	5.184-05	8.814-07
-1.0	2.715-04	1.845-06	4.117-05	1.912-08	.CCC+CO	.CCC+00	.000+00	7.361-05	1.206-06
-.8	4.791-04	3.160-06	7.158-05	3.560-08	.CCC+CO	.CCC+00	.000+00	1.026-04	1.630-06
-.6	8.281-04	5.322-06	1.222-04	6.464-08	.CCC+CO	.CCC+00	.000+00	1.407-04	2.184-06
-.4	1.406-03	8.688-06	2.056-04	1.144-07	.CCC+CO	.CCC+00	.CCC+00	1.907-04	2.905-06
-.2	2.352-03	1.467-05	3.418-04	2.000-07	.CCC+CO	.CCC+00	.000+00	2.552-04	3.847-06
.0	3.880-03	2.401-05	5.613-04	3.429-07	.CCC+CO	.CCC+00	.000+00	3.434-04	5.081-06
.2	6.319-03	3.902-05	9.132-04	5.796-07	.CCC+CO	.CCC+00	.000+00	4.498-04	6.704-06
.4	1.016-02	6.307-05	1.472-03	9.682-07	.CCC+CO	.CCC+00	.000+00	5.904-04	8.858-06
.6	1.608-02	1.014-04	2.348-03	1.601-06	.CCC+CO	.CCC+00	.000+00	7.700-04	1.175-05
.8	2.503-02	1.624-04	3.706-03	2.625-06	.CCC+CO	.CCC+00	.000+00	9.975-04	1.569-05
1.0	3.814-02	2.589-04	5.773-03	4.259-06	.CCC+CO	.CCC+00	.000+00	1.283-03	2.119-05
1.2	5.661-02	4.109-04	8.853-03	6.889-06	.CCC+CO	.000+00	.000+00	1.640-03	2.910-05
1.4	8.147-02	6.492-04	1.332-02	1.101-05	.CCC+CO	.CCC+00	.000+00	2.093-03	4.098-05
1.6	1.133-01	1.014-03	1.962-02	1.738-05	.CCC+CO	.CCC+00	.000+00	2.647-03	5.993-05
1.8	1.518-01	1.556-03	2.815-02	2.690-05	.CCC+CO	.CCC+00	.CCC+00	3.299-03	9.319-05
2.0	1.956-01	2.358-03	3.907-02	4.026-05	.CCC+CO	.CCC+00	.000+00	5.240-03	1.620-04
2.2	2.393-01	3.212-03	5.011-02	5.449-05	.CCC+CO	.CCC+00	.000+00	1.086-02	3.761-04

T= 1490C

LOG C	C2-	NC+	CO+	O-	N+	N++	O+	O++	A+
-7.0	1.107-31	8.948-15	2.153-19	1.835-14	3.488-01	3.073-02	1.016-01	3.942-04	1.038-03
-6.8	6.644-31	2.294-14	6.810-19	3.986-14	3.630-01	2.061-02	1.028-01	2.572-04	1.301-03
-6.6	4.046-30	5.836-14	2.063-18	9.862-14	3.729-01	1.356-02	1.037-01	1.661-04	1.552-03
-6.4	2.491-29	1.478-13	5.985-18	2.426-13	3.798-01	8.804-03	1.043-01	1.065-04	1.771-03
-6.2	1.545-28	3.730-13	1.670-17	6.032-13	3.841-01	5.661-03	1.046-01	6.794-05	1.945-03
-6.0	9.636-28	9.396-13	4.515-17	1.505-12	3.870-01	3.617-03	1.049-01	4.319-05	2.075-03
-5.8	6.028-27	2.363-12	1.192-16	3.761-12	3.888-01	2.302-03	1.050-01	2.739-05	2.167-03
-5.6	3.777-26	5.934-12	3.091-16	9.409-12	3.900-01	1.461-03	1.051-01	1.735-05	2.229-03
-5.4	2.367-25	1.499-11	7.920-16	2.354-11	3.907-01	9.260-04	1.051-01	1.098-05	2.270-03
-5.2	1.483-24	3.732-11	2.013-15	5.890-11	3.910-01	5.866-04	1.051-01	6.944-06	2.297-03
-5.0	9.264-24	9.336-11	5.082-15	1.472-10	3.912-01	3.715-04	1.050-01	4.392-06	2.313-03
-4.8	5.766-23	2.330-10	1.277-14	3.669-10	3.911-01	2.354-04	1.048-01	2.779-06	2.323-03
-4.6	3.546-22	5.794-10	3.193-14	9.118-10	3.908-01	1.493-04	1.045-01	1.759-06	2.328-03
-4.4	2.184-21	1.433-09	7.941-14	2.254-09	3.902-01	9.485-05	1.040-01	1.114-06	2.330-03
-4.2	1.317-20	3.518-09	1.961-13	5.524-09	3.891-01	6.040-05	1.032-01	7.060-07	2.328-03
-4.0	7.768-20	8.531-09	4.795-13	1.338-08	3.875-01	3.860-05	1.021-01	4.480-07	2.323-03
-3.8	4.434-19	2.036-08	1.157-12	3.182-08	3.850-01	2.478-05	1.004-01	2.846-07	2.313-03
-3.6	2.417-18	4.732-08	2.738-12	7.382-08	3.812-01	1.601-05	9.791-02	1.811-07	2.297-03
-3.4	1.240-17	1.065-07	6.318-12	1.656-07	3.755-01	1.047-05	9.451-02	1.155-07	2.273-03
-3.2	5.892-17	2.305-07	1.412-11	3.562-07	3.675-01	6.848-06	9.002-02	7.341-08	2.236-03
-3.0	2.560-16	4.748-07	3.039-11	7.289-07	3.565-01	4.545-06	8.446-02	4.744-08	2.185-03
-2.8	1.010-15	9.271-07	6.274-11	1.413-06	3.421-01	3.046-06	7.796-02	3.058-08	2.114-03
-2.6	3.615-15	1.714-06	1.240-10	2.592-06	3.241-01	2.059-06	7.080-02	1.981-08	2.022-03
-2.4	1.181-14	3.005-06	2.368-10	4.511-06	3.028-01	1.400-06	6.333-02	1.290-08	1.908-03
-2.2	3.553-14	5.018-06	4.267-10	7.480-06	2.786-01	9.562-07	5.587-02	8.448-09	1.774-03
-2.0	9.963-14	8.025-06	7.461-10	1.189-05	2.525-01	6.545-07	4.869-02	5.559-09	1.625-03
-1.8	2.632-13	1.236-05	1.259-09	1.821-05	2.256-01	4.491-07	4.198-02	3.675-09	1.466-03
-1.6	6.617-13	1.844-05	2.056-09	2.703-05	1.987-01	3.067-07	3.586-02	2.438-09	1.302-03
-1.4	1.598-12	2.677-05	3.258-09	3.910-05	1.728-01	2.097-07	3.037-02	1.624-09	1.142-03
-1.2	3.732-12	3.759-05	5.022-09	5.533-05	1.486-01	1.433-07	2.554-02	1.085-09	9.889-04
-1.0	8.499-12	5.274-05	7.569-09	7.640-05	1.265-01	9.789-08	2.135-02	7.278-10	8.473-04
-.8	1.890-11	7.265-05	1.110-08	1.053-04	1.068-01	6.694-08	1.776-02	4.902-10	7.196-04
-.6	4.137-11	9.849-05	1.600-08	1.426-04	8.961-02	4.587-08	1.472-02	3.219-10	6.068-04
-.4	8.935-11	1.322-04	2.269-08	1.914-04	7.477-02	3.156-08	1.217-02	2.262-10	5.089-04
-.2	1.910-10	1.762-04	3.172-08	2.551-04	6.214-02	2.183-08	1.004-02	1.555-10	4.254-04
.0	4.054-10	2.335-04	4.388-08	3.384-04	5.150-02	1.522-08	8.293-03	1.080-10	3.550-04
.2	8.560-10	3.081-04	6.022-08	4.478-04	4.262-02	1.072-08	6.858-03	7.597-11	2.965-04
.4	1.802-09	4.053-04	8.226-08	5.918-04	3.526-02	7.656-09	5.690-03	5.439-11	2.484-04
.6	3.793-09	5.323-04	1.123-07	7.831-04	2.919-02	5.563-09	4.749-03	3.982-11	2.095-04
.8	7.996-09	6.985-04	1.537-07	1.039-03	2.422-02	4.138-09	3.997-03	3.003-11	1.785-04
1.0	1.694-08	9.171-04	2.126-07	1.389-03	2.017-02	3.176-09	3.408-03	2.357-11	1.545-04
1.2	3.619-08	1.209-03	2.955-07	1.871-03	1.691-02	2.548-09	2.958-03	1.955-11	1.369-04
1.4	7.856-08	1.604-03	4.249-07	2.561-03	1.436-02	2.186-09	2.633-03	1.754-11	1.257-04
1.6	1.752-07	2.184-03	6.301-07	3.596-03	1.248-02	2.049-09	2.433-03	1.776-11	1.205-04
1.8	4.104-07	3.052-03	9.897-07	5.285-03	1.134-02	2.418-09	2.384-03	2.203-11	1.244-04
2.0	1.061-06	4.709-03	1.730-06	8.545-03	1.140-02	4.188-09	2.605-03	4.110-11	1.467-04
2.2	3.603-06	9.776-03	4.056-06	1.865-02	1.606-02	2.850-08	3.906-03	2.942-10	2.494-04

T= 1490C

LOG C	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.231-03	3.216-05	4.803-07	7.274-C6	1.C92-05	5.503-06	2.875-04	2.453-10	1.590-08
-6.8	9.937-04	4.130-05	3.976-05	7.344-C6	1.763-C5	8.643-06	5.490-08	4.838-10	2.491-08
-6.6	7.596-04	5.252-05	3.115-C5	7.386-C6	2.828-C5	1.361-05	1.023-07	9.336-10	3.911-08
-6.4	5.526-04	5.693-05	2.317-05	7.402-C6	4.516-C5	2.147-05	1.831-07	1.709-09	6.148-08
-6.2	3.858-04	6.591-05	1.647-05	7.392-C6	7.191-C5	3.331-05	3.165-07	3.007-09	9.664-08
-6.0	2.610-04	7.127-05	1.129-05	7.356-C6	1.143-04	5.361-05	5.326-07	5.128-09	1.516-07
-5.8	1.726-04	7.514-05	7.540-06	7.280-C6	1.814-04	8.440-05	8.784-07	8.560-09	2.371-07
-5.6	1.124-04	7.782-05	4.942-06	7.157-C6	2.876-04	1.341-04	1.429-06	1.398-08	3.685-07
-5.4	7.241-05	7.962-05	3.199-06	6.984-C6	4.555-04	2.122-04	2.301-06	2.262-08	5.671-07
-5.2	4.635-05	8.082-05	2.055-06	6.677-C6	7.211-04	3.354-04	3.680-06	3.631-08	8.598-07
-5.0	2.955-05	8.161-05	1.314-06	6.268-C6	1.140-03	5.291-04	5.860-06	5.796-08	1.276-06
-4.8	1.872-05	8.214-05	8.382-07	5.715-C6	1.801-03	8.351-04	9.296-06	9.215-08	1.837-06
-4.6	1.197-05	8.253-05	5.346-07	5.019-C6	2.838-03	1.314-03	1.470-05	1.461-07	2.545-06
-4.4	7.622-06	8.284-05	3.414-07	4.216-C6	4.442-03	2.059-03	2.316-05	2.308-07	3.347-06
-4.2	4.863-06	8.313-05	2.188-07	3.377-C6	6.985-03	3.208-03	3.632-05	3.636-07	4.233-06
-4.0	3.113-06	8.348-05	1.409-07	2.587-C6	1.067-C2	4.957-03	5.604-05	5.706-07	5.067-06
-3.8	2.003-06	8.391-05	9.156-08	1.910-C6	1.677-02	7.568-03	8.757-05	8.906-07	5.908-06
-3.6	1.298-06	8.450-05	6.016-08	1.375-C6	2.555-C2	1.136-02	1.338-04	1.380-06	6.438-06
-3.4	8.487-07	8.529-05	4.012-08	9.797-C7	3.828-02	1.668-02	2.014-04	2.118-06	6.970-06
-3.2	5.608-07	8.629-05	2.726-08	6.977-C7	5.613-C2	2.380-02	2.968-04	3.211-06	7.441-06
-3.0	3.748-07	8.747-05	1.890-08	5.024-C7	8.014-C2	3.286-02	4.268-04	4.790-06	7.886-06
-2.8	2.532-07	8.873-05	1.339-08	3.680-C7	1.110-01	4.378-02	5.941-04	7.014-06	8.337-06
-2.6	1.728-07	8.988-05	9.676-09	2.749-C7	1.488-01	5.626-02	8.066-04	1.005-05	8.810-06
-2.4	1.189-07	9.066-05	7.107-09	2.094-C7	1.929-01	6.993-02	1.056-03	1.407-05	9.312-06
-2.2	8.194-08	9.079-05	5.282-09	1.623-C7	2.419-01	8.397-02	1.339-03	1.921-05	9.838-06
-2.0	5.666-08	8.999-05	3.953-09	1.274-C7	2.942-01	9.818-02	1.645-03	2.554-05	1.038-05
-1.8	3.918-08	8.807-05	2.966-09	1.014-C7	3.477-01	1.120-01	1.963-03	3.308-05	1.091-05
-1.6	2.706-08	8.493-05	2.222-09	8.121-C8	4.005-01	1.251-01	2.287-03	4.172-05	1.143-05
-1.4	1.865-08	8.061-05	1.658-09	6.541-C8	4.511-01	1.372-01	2.591-03	5.128-05	1.193-05
-1.2	1.283-08	7.526-05	1.230-09	5.287-C8	4.981-01	1.482-01	2.882-03	6.147-05	1.238-05
-1.0	8.823-09	6.914-05	9.068-10	4.285-C8	5.407-01	1.579-01	3.148-03	7.199-05	1.279-05
-.8	6.068-09	6.254-05	6.642-10	3.478-C8	5.784-01	1.664-01	3.387-03	8.249-05	1.315-05
-.6	4.180-09	5.578-05	4.840-10	2.828-C8	6.111-01	1.738-01	3.597-03	9.267-05	1.347-05
-.4	2.891-09	4.914-05	3.515-10	2.303-C8	6.389-01	1.800-01	3.780-03	1.023-04	1.375-05
-.2	2.012-09	4.284-05	2.551-10	1.880-C8	6.619-01	1.852-01	3.939-03	1.111-04	1.400-05
.0	1.413-09	3.705-05	1.855-10	1.538-C8	6.802-01	1.896-01	4.076-03	1.191-04	1.422-05
.2	1.004-09	3.187-05	1.358-10	1.264-C8	6.940-01	1.933-01	4.197-03	1.263-04	1.442-05
.4	7.268-10	2.735-05	1.005-10	1.045-C8	7.031-01	1.963-01	4.307-03	1.326-04	1.462-05
.6	5.384-10	2.349-05	7.572-11	8.699-C9	7.069-01	1.990-01	4.412-03	1.381-04	1.484-05
.8	4.118-10	2.027-05	5.853-11	7.322-C9	7.049-01	2.013-01	4.520-03	1.430-04	1.508-05
1.0	3.292-10	1.767-05	4.693-11	6.254-C9	6.958-01	2.033-01	4.639-03	1.472-04	1.539-05
1.2	2.798-10	1.565-05	3.967-11	5.448-C9	6.784-01	2.050-01	4.778-03	1.508-04	1.578-05
1.4	2.598-10	1.419-05	3.620-11	4.876-C9	6.514-01	2.063-01	4.945-03	1.535-04	1.628-05
1.6	2.756-10	1.332-05	3.716-11	4.533-C9	6.143-01	2.066-01	5.145-03	1.547-04	1.691-05
1.8	3.648-10	1.323-05	4.655-11	4.465-C9	5.667-01	2.050-01	5.378-03	1.533-04	1.767-05
2.0	7.457-10	1.459-05	8.733-11	4.901-C9	5.090-01	1.995-01	5.630-03	1.475-04	1.855-05
2.2	6.154-09	2.222-05	6.314-10	7.602-C9	4.376-01	1.822-01	5.803-03	1.331-04	1.943-05

T= 1490C

LOG C	E-	Z	E/RT	M/RT	S/R	LOG P	Z+
-7.0	5.162-01	4.11485+C0	3.87852+01	4.29001+01	1.32799+02	-4.64861+00	4.11520+00
-6.8	5.109-01	4.07058+00	3.77060+01	4.17766+01	1.29836+02	-4.45330+00	4.07100+00
-6.6	5.072-01	4.03994+00	3.69609+01	4.10005+01	1.27224+02	-4.25658+00	4.04044+00
-6.4	5.047-01	4.01920+00	3.64586+01	4.04778+01	1.24866+02	-4.05882+00	4.01981+00
-6.2	5.030-01	4.00533+00	3.61254+01	4.01307+01	1.22685+02	-3.86032+00	4.00608+00
-6.0	5.019-01	3.99605+00	3.59064+01	3.99024+01	1.20624+02	-3.66133+00	3.99699+00
-5.8	5.011-01	3.98972+00	3.57619+01	3.97516+01	1.18641+02	-3.46202+00	3.99089+00
-5.6	5.006-01	3.98516+00	3.56644+01	3.96496+01	1.16707+02	-3.26251+00	3.98662+00
-5.4	5.002-01	3.98168+00	3.55945+01	3.95759+01	1.14803+02	-3.06292+00	3.98331+00
-5.2	4.998-01	3.97798+00	3.55379+01	3.95158+01	1.12916+02	-2.86330+00	3.98025+00
-5.0	4.994-01	3.97401+00	3.54830+01	3.94576+01	1.11028+02	-2.66373+00	3.97689+00
-4.8	4.988-01	3.96884+00	3.54188+01	3.93876+01	1.09134+02	-2.46430+00	3.97245+00
-4.6	4.980-01	3.96153+00	3.53324+01	3.92946+01	1.07222+02	-2.26510+00	3.96606+00
-4.4	4.968-01	3.95079+00	3.52074+01	3.91582+01	1.05275+02	-2.06628+00	3.95645+00
-4.2	4.949-01	3.93482+00	3.50209+01	3.89558+01	1.03273+02	-1.86804+00	3.94187+00
-4.0	4.921-01	3.91111+00	3.47422+01	3.86533+01	1.01187+02	-1.67066+00	3.91983+00
-3.8	4.878-01	3.87638+00	3.43305+01	3.82069+01	9.89815+01	-1.47453+00	3.88709+00
-3.6	4.815-01	3.82677+00	3.37376+01	3.75643+01	9.66142+01	-1.28013+00	3.83974+00
-3.4	4.724-01	3.75832+00	3.29140+01	3.66724+01	9.40434+01	-1.08797+00	3.77379+00
-3.2	4.599-01	3.66815+00	3.18228+01	3.54918+01	9.12414+01	-8.98510-01	3.68620+00
-3.0	4.433-01	3.55569+00	3.04553+01	3.40116+01	8.82C97+01	-7.12040-01	3.57624+00
-2.8	4.223-01	3.42360+00	2.88424+01	3.22666+01	8.49891+01	-5.28480-01	3.44636+00
-2.6	3.971-01	3.27758+00	2.70531+01	3.03306+01	8.16564+01	-3.47410-01	3.30208+00
-2.4	3.691-01	3.12512+00	2.51788+01	2.83046+01	7.83079+01	-1.68090-01	3.15078+00
-2.2	3.364-01	2.97380+00	2.33134+01	2.62872+01	7.5C381+01	1.03500-07	3.00001+00
-2.0	3.030-01	2.83C00+00	2.15356+01	2.43656+01	7.19244+01	1.88830-01	2.85620+00
-1.8	2.691-01	2.69812+00	1.99009+01	2.25999C+01	6.90174+01	3.68100-01	2.72383+00
-1.6	2.359-01	2.58062+00	1.84407+01	2.10214+01	6.63425+01	5.48760-01	2.60546+00
-1.4	2.044-01	2.47829+00	1.71661+01	1.96444+01	6.39036+01	7.31190-01	2.50199+00
-1.2	1.752-01	2.39077+00	1.60733+01	1.84464C+01	6.169C2+01	9.15580-01	2.41315+00
-1.0	1.488-01	2.31692+00	1.51491+01	1.74666C+01	5.96827+01	1.10195+00	2.33787+00
-.8	1.254-01	2.25520+00	1.43754+01	1.66308+01	5.78567+01	1.29022+00	2.27465+00
-.6	1.051-01	2.20389+00	1.37318+01	1.59357+01	5.61867+01	1.48023+00	2.22179+00
-.4	8.767-02	2.16126+00	1.31973+01	1.5358e+01	5.46475+01	1.67175+00	2.17753+00
-.2	7.283-02	2.12558+00	1.27518+01	1.48774+01	5.32151+01	1.86452+00	2.14009+00
.0	6.043-02	2.09518+00	1.23755+01	1.44707+01	5.18672+01	2.05826+00	2.10769+00
.2	5.013-02	2.06836+00	1.20491+01	1.41175+01	5.05822+01	2.25267+00	2.07844+00
.4	4.164-02	2.04338+00	1.17529+01	1.37962+01	4.93392+01	2.44739+00	2.05031+00
.6	3.471-02	2.01840+00	1.14659+01	1.34843+01	4.81170+01	2.64205+00	2.02099+00
.8	2.909-02	1.99154+00	1.11665+01	1.31558C+01	4.68941+01	2.83623+00	1.98792+00
1.0	2.458-02	1.96113+00	1.08329+01	1.27941+01	4.565C3+01	3.02955+00	1.94846+00
1.2	2.103-02	1.92626+00	1.04471+01	1.23734+01	4.43692+01	3.22176+00	1.90026+00
1.4	1.831-02	1.88768+00	9.99940+00	1.18366+01	4.30432+01	3.41292+00	1.84197+00
1.6	1.637-02	1.84749+00	9.49303+00	1.13405+01	4.16769+01	3.60362+00	1.77372+00
1.8	1.533-02	1.81120+00	8.94678+00	1.C758C+01	4.C2885+01	3.79501+00	1.69739+00
2.0	1.579-02	1.78393+00	8.39866+00	1.C1926+01	3.89130+01	3.98842+00	1.61676+00
2.2	2.261-02	1.75036+00	7.96677+00	9.71714+00	3.76655+01	4.18017+00	1.54323+00

T= 15000

LOG D	N2	O2	NO	CO	CO2	NO2	N2O	N2+	O2+
-7.0	1.547-19	3.311-21	4.177-20	3.038-24	.000+00	.000+00	.000+00	6.228-15	3.159-16
-6.8	6.357-19	1.277-20	1.663-19	1.504-23	.000+00	.000+00	.000+00	1.452-14	7.871-16
-6.6	2.581-18	4.966-20	6.608-19	7.193-23	.000+00	.000+00	.000+00	4.306-14	1.965-15
-6.4	1.040-17	1.945-19	2.625-18	3.309-22	.000+00	.000+00	.000+00	1.107-13	4.912-15
-6.2	4.190-17	7.654-19	1.043-17	1.468-21	.000+00	.000+00	.000+00	2.823-13	1.230-14
-6.0	1.666-16	3.022-18	4.162-17	6.307-21	.000+00	.000+00	.000+00	7.159-13	3.060-14
-5.8	6.648-16	1.196-17	1.665-16	2.695-20	.000+00	.000+00	.000+00	1.809-12	7.720-14
-5.6	2.666-15	4.755-17	6.633-16	1.089-19	.000+00	.000+00	.000+00	4.559-12	1.935-13
-5.4	1.062-14	1.876-16	2.613-15	4.426-19	.000+00	.000+00	.000+00	1.145-11	4.847-13
-5.2	4.175-14	7.429-16	1.028-14	1.782-18	.000+00	.000+00	.000+00	2.875-11	1.213-12
-5.0	1.656-13	2.933-15	4.055-14	7.124-18	.000+00	.000+00	.000+00	7.235-11	3.032-12
-4.8	6.533-13	1.155-14	1.593-13	2.831-17	.000+00	.000+00	.000+00	1.832-10	7.659-12
-4.6	2.571-12	4.529-14	6.237-13	1.118-16	.000+00	.000+00	.000+00	4.493-10	1.877-11
-4.4	1.008-11	1.761-13	2.422-12	4.325-16	.000+00	.000+00	.000+00	1.116-09	4.636-11
-4.2	3.939-11	6.769-13	9.291-12	1.703-15	.000+00	.000+00	.000+00	2.755-09	1.135-10
-4.0	1.492-10	2.557-12	3.505-11	6.527-15	.000+00	.000+00	.000+00	6.760-09	2.740-10
-3.8	5.603-10	9.417-12	1.341-10	2.454-14	.000+00	.000+00	.000+00	1.628-08	6.492-10
-3.6	2.048-09	3.348-11	4.932-10	8.987-14	.000+00	.000+00	.000+00	3.860-08	1.497-09
-3.4	7.216-09	1.135-10	1.670-09	3.176-13	.000+00	.000+00	.000+00	8.924-08	3.329-09
-3.2	2.474-08	3.820-10	5.467-09	1.073-12	.000+00	.000+00	.000+00	1.996-07	7.070-09
-3.0	7.695-08	1.076-09	1.678-08	3.433-12	.000+00	.000+00	.000+00	4.284-07	1.423-08
-2.8	2.280-07	2.958-09	4.793-08	1.034-11	.000+00	.000+00	.000+00	8.775-07	2.701-08
-2.6	6.300-07	7.519-09	1.270-07	2.923-11	.000+00	.000+00	.000+00	1.708-06	4.837-08
-2.4	1.621-06	1.774-08	3.129-07	7.760-11	.000+00	.000+00	.000+00	3.157-06	8.198-08
-2.2	3.893-06	3.915-08	7.205-07	1.941-10	.000+00	.000+00	.000+00	5.547-06	1.323-07
-2.0	8.780-06	8.153-08	1.561-06	4.592-10	.000+00	.000+00	.000+00	9.302-06	2.049-07
-1.8	1.871-05	1.617-07	3.210-06	1.034-09	.000+00	.000+00	.000+00	1.495-05	3.065-07
-1.6	3.796-05	3.079-07	6.309-06	2.223-09	.000+00	.000+00	.000+00	2.315-05	4.456-07
-1.4	7.380-05	5.668-07	1.194-05	4.588-09	.000+00	.000+00	.000+00	3.470-05	6.324-07
-1.2	1.384-04	1.019-06	2.107-05	9.127-09	.000+00	.000+00	.000+00	5.041-05	8.809-07
-1.0	2.516-04	1.777-06	3.592-05	1.757-08	.000+00	.000+00	.000+00	7.213-05	1.209-06
-.8	4.459-04	3.052-06	6.098-05	3.285-08	.000+00	.000+00	.000+00	1.009-04	1.634-06
-.6	7.734-04	5.142-06	1.066-04	5.986-08	.000+00	.000+00	.000+00	1.388-04	2.189-06
-.4	1.317-03	8.622-06	1.867-04	1.066-07	.000+00	.000+00	.000+00	1.886-04	2.930-06
-.2	2.209-03	1.425-05	3.274-04	1.863-07	.000+00	.000+00	.000+00	2.537-04	3.886-06
.0	3.652-03	2.336-05	5.389-04	3.200-07	.000+00	.000+00	.000+00	3.382-04	5.138-06
.2	5.980-03	3.831-05	8.782-04	5.419-07	.000+00	.000+00	.000+00	4.478-04	6.786-06
.4	9.599-03	6.148-05	1.417-03	9.066-07	.000+00	.000+00	.000+00	5.891-04	8.973-06
.6	1.524-02	9.894-05	2.265-03	1.501-06	.000+00	.000+00	.000+00	7.733-04	1.191-05
.8	2.379-02	1.585-04	3.590-03	2.464-06	.000+00	.000+00	.000+00	1.001-03	1.593-05
1.0	3.634-02	2.528-04	5.586-03	4.011-06	.000+00	.000+00	.000+00	1.292-03	2.153-05
1.2	5.413-02	4.012-04	8.583-03	6.479-06	.000+00	.000+00	.000+00	1.659-03	2.959-05
1.4	7.823-02	6.329-04	1.296-02	1.037-05	.000+00	.000+00	.000+00	2.128-03	4.172-05
1.6	1.093-01	9.902-04	1.910-02	1.639-05	.000+00	.000+00	.000+00	2.758-03	6.113-05
1.8	1.471-01	1.529-03	2.747-02	2.542-05	.000+00	.000+00	.000+00	3.708-03	9.533-05
2.0	1.903-01	2.299-03	3.815-02	3.811-05	.000+00	.000+00	.000+00	5.503-03	1.665-04
2.2	2.319-01	3.094-03	4.868-02	5.119-05	.000+00	.000+00	.000+00	1.164-02	3.936-04

T= 15000

LOG D	O2-	NO+	CO+	O-	N+	N++	O+	O++	A+
-7.0	9.515-32	7.686-15	1.763-19	1.516-14	3.425-01	3.518-02	1.010-01	4.699-04	9.531-04
-6.8	5.678-31	1.977-14	5.641-19	3.677-14	3.585-01	2.373-02	1.024-01	3.079-04	1.213-03
-6.6	3.442-30	5.041-14	1.731-18	9.014-14	3.698-01	1.575-02	1.034-01	1.995-04	1.471-03
-6.4	2.112-29	1.278-13	5.084-18	2.227-13	3.776-01	1.027-02	1.041-01	1.282-04	1.702-03
-6.2	1.307-28	3.230-13	1.434-17	5.529-13	3.827-01	6.623-03	1.045-01	8.193-05	1.892-03
-6.0	8.139-28	8.141-13	3.910-17	1.378-12	3.861-01	4.240-03	1.048-01	5.213-05	2.036-03
-5.8	5.085-27	2.048-12	1.038-16	3.441-12	3.883-01	2.702-03	1.050-01	3.309-05	2.140-03
-5.6	3.184-26	5.147-12	2.706-16	8.606-12	3.896-01	1.716-03	1.051-01	2.097-05	2.211-03
-5.4	1.995-25	1.292-11	6.955-16	2.153-11	3.905-01	1.088-03	1.051-01	1.327-05	2.258-03
-5.2	1.250-24	3.238-11	1.771-15	5.386-11	3.909-01	6.896-04	1.051-01	8.397-06	2.289-03
-5.0	7.811-24	8.102-11	4.479-15	1.346-10	3.911-01	4.369-04	1.050-01	5.312-06	2.308-03
-4.8	4.865-23	2.023-10	1.127-14	3.358-10	3.911-01	2.768-04	1.048-01	3.361-06	2.320-03
-4.6	3.013-22	5.035-10	2.820-14	8.350-10	3.908-01	1.755-04	1.045-01	2.127-06	2.327-03
-4.4	1.848-21	1.247-09	7.021-14	2.066-09	3.903-01	1.115-04	1.041-01	1.347-06	2.329-03
-4.2	1.118-20	3.065-09	1.736-13	5.073-09	3.893-01	7.098-05	1.034-01	8.539-07	2.329-03
-4.0	6.676-20	7.451-09	4.254-13	1.231-08	3.878-01	4.533-05	1.023-01	5.418-07	2.324-03
-3.8	3.807-19	1.782-08	1.029-12	2.940-08	3.855-01	2.908-05	1.007-01	3.442-07	2.316-03
-3.6	2.095-18	4.168-08	2.445-12	6.854-08	3.820-01	1.877-05	9.842-02	2.191-07	2.301-03
-3.4	1.087-17	9.449-08	5.669-12	1.568-07	3.767-01	1.220-05	9.520-02	1.397-07	2.279-03
-3.2	5.243-17	2.059-07	1.275-11	3.356-07	3.692-01	8.009-06	9.092-02	8.935-08	2.245-03
-3.0	2.317-16	4.280-07	2.762-11	6.933-07	3.588-01	5.309-06	8.555-02	5.734-08	2.197-03
-2.8	9.301-16	8.441-07	5.744-11	1.357-06	3.450-01	3.553-06	7.921-02	3.695-08	2.130-03
-2.6	3.387-15	1.576-06	1.144-10	2.515-06	3.277-01	2.399-06	7.215-02	2.393-08	2.043-03
-2.4	1.124-14	2.789-06	2.181-10	4.418-06	3.069-01	1.631-06	6.472-02	1.558-08	1.934-03
-2.2	3.431-14	4.697-06	3.990-10	7.387-06	2.832-01	1.114-06	5.725-02	1.020-08	1.804-03
-2.0	9.738-14	7.569-06	7.021-10	1.183-05	2.575-01	7.629-07	5.001-02	6.712-09	1.658-03
-1.8	2.599-13	1.173-05	1.192-09	1.823-05	2.306-01	5.229-07	4.320-02	4.437-09	1.500-03
-1.6	6.590-13	1.760-05	1.956-09	2.722-05	2.037-01	3.583-07	3.697-02	2.946-09	1.337-03
-1.4	1.602-12	2.568-05	3.113-09	3.955-05	1.776-01	2.453-07	3.136-02	1.963-09	1.176-03
-1.2	3.765-12	3.660-05	4.818-09	5.620-05	1.530-01	1.678-07	2.642-02	1.312-09	1.021-03
-1.0	8.606-12	5.118-05	7.271-09	7.837-05	1.306-01	1.148-07	2.211-02	8.810-10	8.771-04
-.8	1.924-11	7.040-05	1.072-08	1.077-04	1.105-01	7.865-08	1.842-02	5.940-10	7.465-04
-.6	4.225-11	9.575-05	1.551-08	1.461-04	9.281-02	5.398-08	1.528-02	4.026-10	6.307-04
-.4	9.150-11	1.288-04	2.205-08	1.965-04	7.755-02	3.719-08	1.265-02	2.747-10	5.298-04
-.2	1.961-10	1.720-04	3.090-08	2.624-04	6.453-02	2.577-08	1.045-02	1.890-10	4.434-04
.0	4.170-10	2.293-04	4.283-08	3.486-04	5.355-02	1.800-08	8.634-03	1.316-10	3.705-04
.2	8.819-10	3.017-04	5.882-08	4.618-04	4.438-02	1.270-08	7.144-03	9.260-11	3.098-04
.4	1.860-09	3.976-04	8.058-08	6.110-04	3.676-02	9.090-09	5.932-03	6.640-11	2.597-04
.6	3.918-09	5.231-04	1.101-07	8.093-04	3.047-02	6.622-09	4.953-03	4.970-11	2.197-04
.8	8.270-09	6.876-04	1.510-07	1.075-03	2.532-02	4.940-09	4.171-03	3.680-11	1.869-04
1.0	1.754-08	9.048-04	2.066-07	1.437-03	2.112-02	3.706-09	3.557-03	2.895-11	1.618-04
1.2	3.753-08	1.195-03	2.825-07	1.938-03	1.775-02	3.069-09	3.089-03	2.408-11	1.434-04
1.4	8.158-08	1.591-03	4.198-07	2.656-03	1.511-02	2.650-09	2.752-03	2.171-11	1.314-04
1.6	1.822-07	2.160-03	6.246-07	3.734-03	1.318-02	2.556-09	2.547-03	2.213-11	1.260-04
1.8	4.277-07	3.056-03	9.361-07	5.458-03	1.204-02	2.994-09	2.502-03	2.775-11	1.308-04
2.0	1.110-06	4.750-03	1.739-06	8.924-03	1.220-02	5.328-09	2.747-03	5.299-11	1.551-04
2.2	3.829-06	1.010-02	4.164-06	1.989-02	1.770-02	4.091-08	4.218-03	4.255-10	2.704-04

T= 15000

LOG D	A++	C+	C++	NE+	N	O	A	C	NE
-7.0	1.306-03	2.958-05	5.023-05	7.241-06	9.985-06	5.054-06	2.397-09	2.129-10	1.414-08
-6.8	1.074-03	5.852-05	4.726-05	7.322-06	1.614-05	7.978-06	4.722-08	4.290-10	2.213-08
-6.6	8.355-04	4.701-05	3.367-05	7.373-06	2.595-05	1.255-05	8.921-08	8.298-10	3.472-08
-6.4	6.175-04	5.694-05	2.542-05	7.397-06	4.150-05	1.979-05	1.617-07	1.537-09	5.455-08
-6.2	4.367-04	6.398-05	1.830-05	7.395-06	6.613-05	3.125-05	2.826-07	2.734-09	8.575-08
-6.0	2.983-04	6.582-05	1.268-05	7.366-06	1.052-04	4.939-05	4.795-07	4.703-09	1.346-07
-5.8	1.986-04	7.412-05	8.526-06	7.303-06	1.669-04	7.810-05	7.955-07	7.882-09	2.107-07
-5.6	1.299-04	7.712-05	5.616-06	7.195-06	2.648-04	1.235-04	1.299-06	1.296-08	3.281-07
-5.4	8.376-05	7.916-05	3.648-06	7.023-06	4.195-04	1.954-04	2.099-06	2.104-08	5.064-07
-5.2	5.386-05	8.051-05	2.348-06	6.764-06	6.642-04	3.089-04	3.362-06	3.383-08	7.712-07
-5.0	3.439-05	8.141-05	1.503-06	6.390-06	1.050-03	4.870-04	5.360-06	5.406-08	1.152-06
-4.8	2.190-05	8.201-05	9.596-07	5.877-06	1.659-03	7.695-04	8.511-06	8.606-08	1.673-06
-4.6	1.394-05	8.243-05	6.121-07	5.218-06	2.616-03	1.211-03	1.347-05	1.365-07	2.364-06
-4.4	8.877-06	8.276-05	3.909-07	4.438-06	4.115-03	1.899-03	2.123-05	2.158-07	3.140-06
-4.2	5.662-06	8.306-05	2.503-07	3.602-06	6.448-03	2.983-03	3.334-05	3.402-07	4.003-06
-4.0	3.624-06	8.339-05	1.611-07	2.792-06	1.005-02	4.586-03	5.204-05	5.342-07	4.852-06
-3.8	2.330-06	8.381-05	1.045-07	2.081-06	1.552-02	7.018-03	8.061-05	8.347-07	5.623-06
-3.6	1.508-06	8.436-05	6.852-08	1.509-06	2.371-02	1.057-02	1.235-04	1.295-06	6.294-06
-3.4	9.847-07	8.510-05	4.558-08	1.078-06	3.564-02	1.558-02	1.864-04	1.991-06	6.843-06
-3.2	6.497-07	8.604-05	3.098-08	7.666-07	5.247-02	2.236-02	2.759-04	3.025-06	7.331-06
-3.0	4.335-07	8.718-05	2.132-08	5.528-07	7.529-02	3.107-02	3.926-04	4.525-06	7.786-06
-2.8	2.926-07	8.840-05	1.505-08	4.039-07	1.049-01	4.166-02	5.569-04	6.646-06	8.238-06
-2.6	1.995-07	8.955-05	1.084-08	3.008-07	1.414-01	5.387-02	7.622-04	9.558-06	8.710-06
-2.4	1.371-07	9.038-05	7.940-09	2.285-07	1.844-01	6.727-02	1.004-03	1.343-05	9.209-06
-2.2	9.466-08	9.060-05	5.891-09	1.766-07	2.326-01	8.133-02	1.291-03	1.840-05	9.733-06
-2.0	6.552-08	8.993-05	4.405-09	1.386-07	2.843-01	9.555-02	1.583-03	2.456-05	1.027-05
-1.8	4.537-09	8.817-05	3.305-09	1.100-07	3.377-01	1.095-01	1.899-03	3.194-05	1.081-05
-1.6	3.138-08	8.520-05	2.478-09	8.802-08	3.908-01	1.227-01	2.219-03	4.043-05	1.133-05
-1.4	2.167-08	8.105-05	1.851-09	7.086-08	4.418-01	1.350-01	2.530-03	4.988-05	1.183-05
-1.2	1.494-08	7.585-05	1.375-09	5.727-08	4.895-01	1.462-01	2.824-03	6.000-05	1.229-05
-1.0	1.029-08	6.983-05	1.015-09	4.641-08	5.329-01	1.562-01	3.095-03	7.049-05	1.271-05
-.8	7.090-09	6.331-05	7.451-10	3.768-08	5.715-01	1.649-01	3.339-03	8.100-05	1.309-05
-.6	4.893-09	5.659-05	5.441-10	3.065-08	6.050-01	1.724-01	3.555-03	9.123-05	1.341-05
-.4	3.390-09	4.995-05	3.959-10	2.497-08	6.337-01	1.788-01	3.744-03	1.009-04	1.370-05
-.2	2.363-09	4.362-05	2.879-10	2.038-08	6.574-01	1.842-01	3.907-03	1.099-04	1.395-05
.0	1.662-09	3.779-05	2.099-10	1.669-08	6.766-01	1.887-01	4.048-03	1.180-04	1.418-05
.2	1.184-09	3.255-05	1.539-10	1.372-08	6.911-01	1.925-01	4.173-03	1.252-04	1.438-05
.4	8.580-10	2.797-05	1.142-10	1.134-08	7.009-01	1.956-01	4.285-03	1.316-04	1.459-05
.6	6.367-10	2.405-05	8.622-11	9.443-09	7.056-01	1.983-01	4.391-03	1.372-04	1.480-05
.8	4.880-10	2.078-05	6.681-11	7.950-09	7.044-01	2.006-01	4.499-03	1.422-04	1.504-05
1.0	3.910-10	1.813-05	5.374-11	6.791-09	6.962-01	2.027-01	4.617-03	1.465-04	1.534-05
1.2	3.334-10	1.608-05	4.560-11	5.918-09	6.798-01	2.044-01	4.754-03	1.502-04	1.573-05
1.4	3.108-10	1.461-05	4.185-11	5.300-09	6.540-01	2.056-01	4.919-03	1.530-04	1.621-05
1.6	3.319-10	1.376-05	4.332-11	4.932-09	6.179-01	2.058-01	5.115-03	1.544-04	1.683-05
1.8	4.441-10	1.373-05	5.500-11	4.871-09	5.712-01	2.041-01	5.343-03	1.533-04	1.758-05
2.0	9.291-10	1.528-05	1.059-10	5.379-09	5.139-01	1.985-01	5.590-03	1.478-04	1.845-05
2.2	8.615-09	2.392-05	8.625-10	8.595-09	4.416-01	1.801-01	5.741-03	1.331-04	1.930-05

T= 15000

LOG D	E-	Z	E/RT	H/RT	S/R	LOG P	Z+
-7.0	5.185-01	4.13453+00	3.90530+01	4.31875+01	1.33327+02	-4.64363+00	4.13489+00
-6.8	5.126-01	4.08444+00	3.78388+01	4.19232+01	1.30221+02	-4.44892+00	4.08485+00
-6.6	5.084-01	4.04942+00	3.69918+01	4.10412+01	1.27502+02	-4.25765+00	4.04992+00
-6.4	5.055-01	4.02554+00	3.64164+01	4.04422+01	1.25068+02	-4.05523+00	4.02615+00
-6.2	5.035-01	4.00952+00	3.60329+01	4.00424+01	1.22834+02	-3.85696+00	4.01027+00
-6.0	5.022-01	3.99881+00	3.57801+01	3.97789+01	1.20738+02	-3.65812+00	3.99974+00
-5.8	5.014-01	3.99155+00	3.56136+01	3.96052+01	1.18731+02	-3.45891+00	3.99271+00
-5.6	5.007-01	3.98641+00	3.55022+01	3.94886+01	1.16783+02	-3.25947+00	3.98786+00
-5.4	5.003-01	3.98241+00	3.54239+01	3.94063+01	1.14870+02	-3.05991+00	3.98422+00
-5.2	4.999-01	3.97878+00	3.53630+01	3.93418+01	1.12976+02	-2.86030+00	3.98106+00
-5.0	4.995-01	3.97484+00	3.53069+01	3.92817+01	1.11088+02	-2.66073+00	3.97770+00
-4.8	4.989-01	3.96987+00	3.52442+01	3.92141+01	1.09196+02	-2.46128+00	3.97346+00
-4.6	4.982-01	3.96297+00	3.51625+01	3.91254+01	1.07288+02	-2.26203+00	3.96746+00
-4.4	4.970-01	3.95291+00	3.50459+01	3.89988+01	1.05348+02	-2.06314+00	3.95852+00
-4.2	4.953-01	3.93798+00	3.48731+01	3.88111+01	1.03358+02	-1.86478+00	3.94498+00
-4.0	4.927-01	3.91583+00	3.46149+01	3.85307+01	1.01291+02	-1.66723+00	3.92450+00
-3.8	4.887-01	3.88330+00	3.42326+01	3.81159+01	9.91128+01	-1.47085+00	3.89396+00
-3.6	4.828-01	3.83661+00	3.36792+01	3.75159+01	9.67813+01	-1.27611+00	3.84956+00
-3.4	4.743-01	3.77177+00	3.29053+01	3.66771+01	9.42547+01	-1.08351+00	3.78725+00
-3.2	4.624-01	3.68560+00	3.18706+01	3.55562+01	9.15021+01	-8.93550-01	3.70375+00
-3.0	4.466-01	3.57705+00	3.05603+01	3.41374+01	8.85188+01	-7.06530-01	3.59782+00
-2.8	4.265-01	3.44818+00	2.89980+01	3.24462+01	8.53382+01	-5.22460-01	3.47130+00
-2.6	4.020-01	3.30420+00	2.72460+01	3.05502+01	8.20310+01	-3.40990-01	3.32922+00
-2.4	3.737-01	3.15240+00	2.53927+01	2.85451+01	7.86908+01	-1.61410-01	3.17873+00
-2.2	3.424-01	3.00044+00	2.35319+01	2.65326+01	7.54132+01	1.71300-02	3.02745+00
-2.0	3.092-01	2.85498+00	2.17456+01	2.46006+01	7.22791+01	1.95550-01	2.88209+00
-1.8	2.754-01	2.72079+00	2.00932+01	2.28146+01	6.93435+01	3.76640-01	2.74749+00
-1.6	2.421-01	2.60065+00	1.86101+01	2.12107+01	6.66357+01	5.55030-01	2.62652+00
-1.4	2.102-01	2.49564+00	1.73103+01	1.98059+01	6.41631+01	7.37130-01	2.52039+00
-1.2	1.806-01	2.40555+00	1.61925+01	1.85981+01	6.19176+01	9.21160-01	2.42897+00
-1.0	1.537-01	2.32936+00	1.52450+01	1.75744+01	5.98802+01	1.10718+00	2.35132+00
-.8	1.298-01	2.26558+00	1.44504+01	1.67160+01	5.80280+01	1.29512+00	2.28601+00
-.6	1.089-01	2.21252+00	1.37886+01	1.60011+01	5.63355+01	1.48483+00	2.23135+00
-.4	9.089-02	2.16843+00	1.32388+01	1.54073+01	5.47774+01	1.67604+00	2.18559+00
-.2	7.563-02	2.13158+00	1.27809+01	1.49125+01	5.33296+01	1.86865+00	2.14694+00
.0	6.282-02	2.10029+00	1.23950+01	1.44952+01	5.19694+01	2.06223+00	2.11362+00
.2	5.216-02	2.07287+00	1.20617+01	1.41346+01	5.06754+01	2.25652+00	2.08373+00
.4	4.336-02	2.04758+00	1.17614+01	1.38090+01	4.94264+01	2.45119+00	2.05526+00
.6	3.616-02	2.02260+00	1.14736+01	1.34962+01	4.82014+01	2.64586+00	2.02592+00
.8	3.033-02	1.99606+00	1.11764+01	1.31725+01	4.69788+01	2.84012+00	1.99316+00
1.0	2.564-02	1.96628+00	1.08482+01	1.28145+01	4.57381+01	3.03359+00	1.95430+00
1.2	2.195-02	1.93225+00	1.04702+01	1.24025+01	4.44623+01	3.22601+00	1.90594+00
1.4	1.912-02	1.89438+00	1.00317+01	1.19261+01	4.31426+01	3.41741+00	1.84954+00
1.6	1.711-02	1.85519+00	9.53493+00	1.13495+01	4.17819+01	3.60832+00	1.78205+00
1.8	1.605-02	1.81924+00	8.99581+00	1.08151+01	4.03976+01	3.79983+00	1.70620+00
2.0	1.641-02	1.79155+00	8.45452+00	1.02461+01	3.90253+01	3.99317+00	1.62581+00
2.2	2.445-02	1.75269+00	8.04122+00	9.79390+00	3.77936+01	4.18365+00	1.55377+00

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Tables for the thermodynamic properties for air are presented wh take into account the effect of dissociation and ionization and limiting-law Debye-Hückel and second virial corrections upon the thermodynamic properties and the equilibrium compositions. Valu are tabulated from 1500°K in steps of 100°K to 15,000°K at close spacings in the logarithm of the density [$\log_{10} \rho/\rho_o = -7.(0.2)2$ for the compressibility factor $Z = PV/RT$; the dimensionless func tions for: internal energy, E/RT; enthalpy, H/RT; entropy, S/R $\log_{10}P(atm)$ and $Z^* = \Sigma C_i$. The underlying equations and the inp data are discussed briefly. The effects of the real gas correct on the equilibrium properties are illustrated graphically. The equilibrium composition is given for selected temperatures over tabulated density range. The wide range of temperatures and den sities over which the thermodynamic properties have been tabulat make the tables useful in a variety of engineering design and te programs, and in scientific research and development.

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