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HANDBOOK OF INVISCID SPHERE-CONE FLOW FIELDS AND PRESSURE DISTRIBUTIONS VOLUME I

1 DECEMBER 1975

NAVAL SURFACE WEAPONS CENTER
WHITE OAK LABORATORY
SILVER SPRING, MARYLAND 20910

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This report contains numerical tables of aerodynamic coefficients and surface pressure distributions for sphere cone configurations as a function of angle of attack and Mach number. These results were generated by an NSWC/WOL computer code based on a finite difference solution of the steady inviscid three-dimensional compressible flow equation for a perfect gas $\gamma = 1.4$. Cone half angles of 5^{o}, 6^{o}, 7^{o}, 8^{o}, 9^{o}, 10^{o}, 15^{o} and 20^{o} are considered. Truncated values are obtained at axial stations to

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a length of 200 times the sphere radius, over a Mach number range of 3.5, 5, 10, 15, 20, 25 and 30, for an angle-of-attack span of 1°, 3°, 5°, and 10° deg. Center-of-pressure location, and axial- and normal-force coefficients are tabularly presented at each axial-length increment station. Surface pressure distributions are also presented at each axial-length increment station, including seven meridian plane angles over the half plane from windward to leeward ray. The techniques utilized in generating the tables are described, and comparisons between computed values and values measured in some wind-tunnel experiments are presented. The presentation format is discussed to establish the mechanics necessary to use the tables. The tables are divided into two volumes; the first containing pressure information, and the second, aerodynamic information.

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HANDBOOK OF INVISCID SPHERE-CONE FLOW FIELDS AND PRESSURE DISTRIBUTIONS - VOLUME I

This report contains numerical tables of surface-pressure distribution and aerodynamic coefficients for sphere cone configurations over a range of Mach numbers and angles of attack relevant to typical re-entry environments. These results were generated by an NSWC/WOL computer code based on a finite difference solution, of the steady inviscid three-dimensional compressible flow equations for a perfect gas $\gamma = 1.4$. This work was sponsored by Naval Sea Systems Command and carried out under the Aeroballistic Re-Entry Technology Program, L. Pasiuk, NAVSEA 035 Manager. This project was performed under task number SF 3232250F.

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Kurt R. Enkenhus

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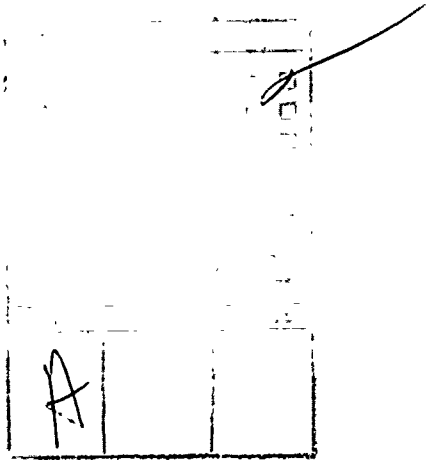
By direction



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Symbols

a	sound speed, see equation (3)
b	body radius function, see Figure 1
c	bow shock function, see Figure 1
E,F,G	see equation (6a)
$\tilde{E},\tilde{F},\tilde{G}$	see equation (1a)
h	enthalpy, see equation (3)
H_∞	stagnation enthalpy, $\frac{\gamma}{\gamma-1}\ (1 + \frac{\gamma-1}{2} M_\infty^2)$
L	axial distance from nose (same as z)
M	Mach number
p	pressure
r	radial coordinate, body oriented cylindrical coordinates, see Figure 1
r^1	radial coordinate, wind oriented cylindrical coordinates, see Figure 2
R_n, RN	sphere nose radius
S	surface length from sphere tip
U (U_1,U_2,U_3,U_4)	conservation vector, see equation (1a)
u	velocity component in r direction
v	velocity component in ϕ direction
V_n	velocity component normal to bow shock
w	velocity component in z direction
X,Y,Z	transformed coordinated, see equation (5)
z	axial coordinate, body oriented cylindrical coordinate (same as L), see Figure 1
z^1	axial coordinate wind oriented cylindrical coordinates, see Figure 2
z_J	axial distance to sphere-cone juncture, see Figure 2
z_o	axial station for start of supersonic calculation
α	angle of attack
γ	ratio of specific heats
Δ	see Figure 2
ΔZ	step size
ΔX, ΔY	mesh size in X and Y directions, respectively
ϕ	angular coordinate, body oriented cylindrical coordinate, see Figure 1

Symbols (Cont'd)

ϕ^1	angular coordinate, wind oriented cylindrical coordinate, see Figure 2
ρ	density
δ	stability parameter, see equation (16)
θ_c	cone angle (cone half angle)

Subscripts

∞	indicates a free-stream quantity

Independent variable used as subscript indicates partial differentiation with respect to that variable.

Superscript

'	indicates a predicted value or a function evaluated using predicted quantities

INTRODUCTION

The design of re-entry configurations requires a source for the aerodynamic performance characteristics used in predicting the ballistic trajectory. It has proven difficult to obtain such data on sphere cones at angle of attack in the open literature. Some data are available as the result of experimental investigations, and other data are available as the result of study contracts employing the method of characteristic or finite difference techniques to determine the pressure field on particular shapes. Early work by the Russians[1] and subsequent modifications[2] arranged in tabular form have proven most useful for trajectory calculation, heat-transfer calculations, etc.

This report gives, in tabular form, the inviscid surface pressure distributions and the aerodynamic characteristics for sphere-cones at angle of attack. The ranges of the tables are

$$0 \leq \alpha \leq 10^{o}$$
$$5^{o} \leq \theta_{c} \leq 20^{o}$$
$$3.5 \leq M_{\infty} \leq 30$$
$$\text{perfect gas, } \gamma = 1.4$$

The term cone angle used herein refers to the angle between the surface of the cone and its axis of symmetry. This value is sometimes called the half-cone angle or semi-cone angle. The report is divided into two volumes; Volume I contains the tabulated surface pressure data, Volume II contains the aerodynamic data.

All the tabulated data presented in this report were obtained using an inviscid flow computer code developed at NAVSURFWPNCEN/WOL.[3] A brief description of this code is included and some comparisons are made with experimental results (see Volume I). The arrangement of the tables (both Volumes) is described in the section "Using the Tables."

---

[1] Tables of Supersonic Flow About Blunted Cones, Academy of Sciences, USSR (Moscow), prepared by P. I. Chushkin and W. P. Shuhshmina from: Computation Center Monograph, 1961; translated and edited by J. F. Springfield, Research and Advanced Development Division, AVCO Corp., Wilmington, Mass., RAD-TM-62-63, Sep 1962

[2] Pressure Distributions on Sphere Cones, D. M. Ellett, SC-RR-64-1796, Sandia Laboratory, Albuquerque, N. M., Jan 1965

[3] Solomon, J. M., Ciment, M., and Ferguson, R. E., documentation in progress

BASIC CALCULATION PROCEDURE

Governing Equations and Flow Regions

The flow-field computations are performed in a body oriented cylindrical coordinate system r, ϕ, z illustrated in Figure 1. In these coordinates, the steady, inviscid flow equations can be written in the (weak) conservation form

$$\frac{\partial U}{\partial z} + \frac{\partial \tilde{F}}{\partial r} + \frac{\partial \tilde{G}}{\partial \phi} + \tilde{E} = 0 \tag{1}$$

where

$$U = \begin{pmatrix} U_1 \\ U_2 \\ U_3 \\ U_4 \end{pmatrix} = \begin{pmatrix} \rho w \\ p + \rho w^2 \\ \rho wu \\ \rho wv \end{pmatrix} \quad ; \quad \tilde{F} = \begin{pmatrix} \rho u \\ \rho wu \\ p + \rho u^2 \\ \rho vu \end{pmatrix} \quad ; \quad \tilde{G} = \frac{1}{r} \begin{pmatrix} \rho v \\ \rho vw \\ \rho vu \\ p + \rho v^2 \end{pmatrix} \tag{1a}$$

$$\tilde{E} = \frac{1}{r} \begin{pmatrix} \rho u \\ \rho uw \\ \rho(u^2 - v^2) \\ 2\rho uv \end{pmatrix}$$

$$h + \frac{1}{2}(u^2 + v^2 + w^2) = H_\infty . \tag{2}$$

In the above, p denotes pressure and ρ denotes density and u, v, w, are the velocity components along r, ϕ and z, respectively. The equations of state for a perfect gas with constant specific heat implies that

$$h = \frac{a^2}{\gamma - 1} \quad ; \quad a^2 = \frac{\gamma p}{\rho} \tag{3}$$

The basic flow variables ρ, p, u, v, and w are related to the conservation variables U_1, U_2, U_3 and U_4 through the definitions, equation (1a), and equations (2) and (3); i.e.,

$$u = U_3/U_1,\quad v = U_4/U_1,$$

$$w = \frac{\gamma}{\gamma+1}\frac{U_2}{U_1} + \sqrt{\left(\frac{\gamma}{\gamma+1}\frac{U_2}{U_1}\right)^2 - \frac{2(\gamma-1)}{\gamma+1}\left[H_\infty - \frac{(U_3^2 + U_4^2)}{2U_1^2}\right]} \qquad (4)$$

$$\rho = U_1/w,\quad p = U_2 - U_1 w.$$

Throughout our discussion, all variables are nondimensionalized. All length variables are nondimensionalized by R_n, the nosetip radius; all velocities by $\sqrt{p_\infty/\rho_\infty}$; pressure by p_∞; density by ρ_∞; and enthalpy by p_∞/ρ_∞.

The shock layer is bound by the given body surface, $r = b(\phi,z)$, and the unknown bow shock wave, $r = c(\phi,z)$. On the body surface, the normal component of velocity is zero. On the bow shock, the Rankine-Hugoniot relations hold. For the results presented herein, the flow is symmetrical about the meridianol planes $\phi = 0$ and $\phi = \pi$. These planes are taken as symmetry boundaries.

For computational purposes, the shock layer is divided into two separate regions (c.f., Fig. 1), the blunt body region near the nosetip where the flow is transonic, and the supersonic region where the flow in the z direction is everywhere supersonic. The downstream limit of the blunt body region is taken as a plane $z = z_o$ on which w is supersonic throughout the shock layer. The plane $z = z_o$ is then used as the initial plane for the supersonic region calculation. This involves solving (from $z = z_o$) a hyperbolic system in the time-like z direction by a marching procedure in the z direction.

Blunt Body Solution and the Initial Plane

In all the computations presented in this report, the initial plane $z = z_o$ can be chosen upstream of the sphere-cone juncture, $z = z_J$. The blunt body region is therefore a spherical flow which can be determined from the axially symmetric flow over the unit hemisphere in a wind oriented cylindrical coordinate system (r', ϕ', z'), (see Fig. 2). For the present results, the flow over the hemisphere in the wind oriented coordinates was obtained using the code described in Reference 4 run in an axially symmetric mode. The hemispherical flow field is determined up to $z' = 1$. These results are then used to determine the initial plane and the three-dimensional flow in the body coordinates on the initial plane.

[4]Rakich, John V., "A Method of Characteristics for Steady Three-Dimensional, Supersonic Flow with Application to Inclined Bodies of Revolution," NASA TN D-5341, Oct 1969

The initial plane, $z = z_o$, is determined in the following manner. The largest value of z_o such that the plane $z = z_o$ lies completely to the left of $z' = 1$ in the hemispherical shock layer is $1 - (1 + \Delta) \sin \alpha$ (see Figure 1). Therefore, the largest value of z_o such that the flow on the plane $z = z_o$ is determined by the flow on the hemisphere is

$$z_o = \min (z_J, 1 - (1 + \Delta)\sin \alpha).$$

It should be pointed out that the initial plane, $z = z_o$ as determined above need not be an admissible initial plane since the velocity component w may not be everywhere supersonic on $z = z_o$. Before proceeding, the code automatically checks to see if $w > a$ on $z = z_o$ (this was always satisfied for the results presented here). The computed data from the code of Reference 4 is then transformed and interpolated onto the initial plane.

Supersonic Region Solution

The flow in the shock layer downstream of $z = z_o$ is such that $w > a$ everywhere and, hence, the system (1) is of hyperbolic type with the z axis as the time-like direction. The calculation for $z > z_o$ is performed by marching in the z direction step-wise starting at $z = z_o$. The procedure used is an explicit finite-difference method which "advances" the flow variables, ρ, w, u, v, p and the bow shock geometry c, $\frac{\partial c}{\partial \phi}$ and $\frac{\partial c}{\partial z}$ from a known station z to a station $z + \Delta z$. The step size, Δz, is chosen to satisfy a stability criterion (given below). The calculation is repeated iteratively using the previous $z + \Delta z$ as the known station until $z > z_{end}$ where z_{end} is the desired body length (which is input).

A description of a general computational code for performing this type of calculation together with the rationale for its development will be presented at a later date. In this report only the specific procedures used in obtaining the present results will be described. This code is essentially the same as that described in Reference 5 with the exception of the procedures used at the wall boundary point.

In performing the actual computation, the shock layer for $z \geq z_o$ is transformed into a cylinder $Z \geq z_o$, $0 \leq X \leq 1$, $0 \leq Y \leq 1$ by means of the transformation

$$\begin{aligned} Z &= z, \\ X &= \frac{r-b}{c-b}, \\ Y &= \phi/\pi \end{aligned} \qquad (5)$$

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[5] Kutler, P., W. A. Reinhart, and R. F. Warning, "Multi-Shocked Three-Dimensional Supersonic Flow Fields with Real Gas Effects," AIAA J., Vol. 11, No. 5, pp 637-664, May 1973

The equations of motion represented by the system of partial differential equations (1) transformed to the computational space (X, Y, Z) are

$$\frac{\partial U}{\partial Z} + \frac{\partial F}{\partial X} + \frac{\partial G}{\partial Y} + E = 0 \tag{6}$$

where

$$\begin{aligned} F &= X_z U + X_r \tilde{F} + X_\phi \tilde{G} \\ G &= \frac{1}{\pi} \tilde{G} \\ E &= \tilde{E} - \left[\left(\frac{b_z - c_z}{c-b}\right) U + \left(\frac{b_\phi - c_\phi}{c-b}\right) \tilde{G} \right] \end{aligned} \tag{6a}$$

and

$$X_r = 1/(c-b), \quad X_z = X_r \left[(X-1) b_z - X c_z \right] \tag{6b}$$

In the above, the body geometry functions b, b_z, and b_ϕ for a sphere-cone are:

$$\begin{aligned} &b = \sqrt{1-(z-1)^2}, \quad b_z = (1-z)/b; \quad 0 \le z \le z_J \\ &b = \frac{1-\sin\theta_c}{\cos\theta_c} + \tan\theta_c z, \quad b_z = \tan\theta_c; \quad z > z_J \\ &z_J = 1 - \sin\theta_c \\ &b_\phi = 0, \quad z \ge 0 \end{aligned} \tag{7}$$

The bow shock geometry functions c, c_z, and c_ϕ are unknowns to be found in the calculation.

The system (6) is discretized and solved numerically in the computational space using a mesh defined by

$$\left\{(X_i, Y_j) : X_i = i\Delta X \ (i = 0,1,\cdots,I), \ Y_j = j\Delta Y \ (j = 0,1,\cdots,J)\right\} \tag{8}$$

where $\Delta X = 1/I$ and $\Delta Y = 1/J$. In Figure 3, we depict a typical discretized computational plane Z = constant and the corresponding physical plane z = constant. As indicated in the figure, there are four types of points, each requiring differing numerical procedures. These are: interior points (i = 1,$\cdots$, N-1; j=1,$\cdots$J-1); boundary points at the symmetry planes Y = 0 and Y = 1 (j = 0 and J); boundary points at the bow shock, X = 1 (i = I); boundary points at the body surface, X = 0 (i = 0). At all points, the solution is advanced using predictor-corrector methods; i.e., the known solution at Z, say, is used to determine temporary, or predicted, values at Z + ΔZ; then the predicted values are used to determine the final solution (corrected values) at Z + ΔZ.

In the following, the particular method used for each type of point will be described. Let us suppose that the the quantities ρ, u, v, w, p, c, $\frac{\partial c}{\partial z}$ are known for $Z = Z_n$ on the mesh defined by Equation (8). The objective is to determine these quantities on this mesh for $Z = Z_{n+1} = Z_n + \Delta z$.

The solution for all interior points is obtained by applying to Equation (6) a predictor-corrector second-order accurate finite difference scheme first given by MacCormack.[6]

$$U'_{i,j} = U^n_{i,j} - \Delta Z \left[\left(\frac{F^n_{i+1,j} - F^n_{i,j}}{\Delta X} \right) + \left(\frac{G^n_{i,j+1} - G^n_{i,j}}{\Delta Y} \right) + E^n_{i,j} \right] \qquad \text{(predictor)} \qquad (9a)$$

$$U^{n+1}_{i,j} = \frac{1}{2} \left\{ U^n_{ij} + U'_{ij} - \Delta Z \left[\left(\frac{F'_{ij} - F'_{i-1,j}}{\Delta X} \right) + \left(\frac{G'_{ij} - G'_{i,j-1}}{\Delta Y} \right) + E'_{ij} \right] \right\} \qquad \text{(corrector)} \qquad (9b)$$

In the above, $U^n_{ij} = U(Z_n, X_i, Y_j)$. The quantities F^n_{ij}, G^n_{ij}, E^n_{ij} are evaluated in accordance with (6a) at the point (Z_n, X_i, Y_j) using the known quantities ρ, u, v, w, p, c, and c_z. The quantity c_ϕ appearing in Equation (6a) is obtained in terms of c using the approximate formula

$$c_\phi(Y_i, Z_n) = \frac{1}{\pi} c_Y(Y_i, Z_n) = \frac{c(Y_{i+1}, Z_n) - c(Y_{i-1}, Z_n)}{2\pi\Delta Y} \qquad (10)$$

The quantities U'_{ij} are the predicted values of U at $(Z_n + \Delta Z, X_i, Y_j)$ from which predicted values of the flow quantities ρ, u, v, w, p can be determined using Equation (4). The quantities F'_{ij}, G'_{ij}, E'_{ij} are evaluated (see Eq. (6a)) at the points $(Z_n + \Delta Z, X_i, Y_j)$ using the predicted values of ρ, u, v, w, p, the predicted value of c_Z and the corrected values of c and c_ϕ obtained from the corrected values of c using Equation (10). The predictor and corrector for c and c_Z will be described in the discussion of the bow shock points which follows.

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[6] MacCormack, R. W., "The Effects of Viscosity in Hypervelocity Impact Cratering," AIAA Paper 69-354, 1969

The numerical treatment of the points on the bow shock wave (corresponding to X = 1) follows closely the procedure suggested by Thomas, et al,.[7] At the bow shock wave the Rankine-Hugoniot shock relations are applied. The form of these used in the present calculations are:

$$V_{n_\infty}^2 = \frac{\gamma+1}{2}\left(p + \frac{\gamma-1}{\gamma+1}\right)$$

$$\rho = \frac{V_{n_\infty}^2}{V_{n_\infty}^2 - p + 1}$$

$$c_z = \frac{w_\infty\left(u_\infty - v_\infty \frac{c_\phi}{c}\right) + V_{n_\infty}\sqrt{\left(u_\infty - v_\infty \frac{c_\phi}{c}\right)^2 + \left(w_\infty^2 - V_{n_\infty}^2\right)\left[1-\left(\frac{c_\phi}{c}\right)^2\right]}}{w_\infty^2 - V_{n_\infty}^2} \qquad (11)$$

$$u = u_\infty + \frac{V_{n_\infty}\left(1 - \frac{1}{\rho}\right)}{\sqrt{1+c_z^2+(c_\phi/c)^2}}$$

$$w = w_\infty - (u-u_\infty)c_z$$

$$v = v_\infty - (u-u_\infty)\frac{c_\phi}{c}$$

In the above, $V_{n\infty}$ is the freestream velocity component normal to the shock and u_∞, v_∞, w_∞ are the freestream velocity components given by $-V_\infty \sin\alpha \cos\phi$, $V_\infty \sin\alpha \sin\phi$, and $V_\infty \cos\alpha$, respectively. Note that Equations (11) give ρ, u, w, v, and c_z in terms of p and c. The quantity c is always defined in terms of c using the approximate formula given by Equation (10).

The predictor sequence for the shock points consists of the following. The shock shape, c, is predicted at $Z_n+\Delta Z$ using

$$c_j' = c_j^n + \Delta Z (c_Z)_j^n$$

where c_j^n and $(c_Z)_j^n$ are known values of c and c_Z at (Z_n, Y_j), respectively.

The predictor sequence for the shock points consists of the following. Temporary (not predicted) values of the conservation

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[7] Thomas, P. D., M. Vinokier, R. A. Bostianon, and R. J. Conti, "Numerical Solutions for Three-Dimensional Inviscid Supersonic Flow," AIAA Journal, Vol. 10, No. 7, pp 887-894, July 1972

variables U are computed using Equation (9a) (with i=I) where $\left(F^n_{I+1,j} - F^n_{I,j}\right)$ is replaced by $\left(F^n_{I,j} - F^n_{I-1,j}\right)$. The predicted value of pressure is then obtained using Equation (4). Predicted values of ρ, u, v, w, and c_z are then defined using the predicted values of p and c in Equation (11). The predicted values of the conservation vector U are then obtained using the definition, Equation (1a).

Using the predicted value of c_Z at $Z_n + \Delta Z$, c'_Z, the corrected shock shape is obtained using

$$c_j^{n+1} = \frac{1}{2}\left[c_j^n + c'_j + \Delta Z\ (c'_Z)_j\right].$$

Corrected values of c_ϕ are then obtained using Equation (10). The corrected values of c and c_ϕ are obtained before the corrector sequence is performed at all points so that the corrected values of c and c_ϕ are used in the corrector sequence at all points. The remainder of the corrector sequence for shock points is essentially the same as the predictor for these points except that predicted values of the flow variables are used (corrected values of c, and c_ϕ) and instead of Equation (9a), Equation (9b) is used.

At the body surface (corresponding to X = 0), the component of velocity normal to the surface must vanish; i.e.,

$$u = b_z\, w + \frac{b\phi}{b}\, v. \tag{12}$$

For the computations presented herein, two different numerical techniques for the wall boundary points have been employed.

Method 1: In this approach, the conservation quantities U_1, U_2, U_4 (c.f., Eq. (1a)) are advanced using the predictor-corrector sequence given by Equation (9a) and (9b), (with i = 0), except in the corrector the difference $F'_{0j} - F'_{-1,j}$ is replaced by $F'_{1,j} - F'_{0,j}$. After both the predictor and corrector, the flow quantities ρ, w, u, v, and p are obtained using Equations (12), (2) and (3) and the definitions of U_1, U_2, and U_4 (see Eq. (1a); the final formulas for an axially symmetric body ($b_\phi = 0$) are:

$$v = U_4/U_1$$

$$w = \left[\gamma\left(\frac{U_2}{U_1}\right) + \sqrt{\gamma^2\left(\frac{U_2}{U_1}\right)^2 - 2(\gamma-1)\left[\gamma+1-(\gamma-1)b_3^2\right]\left[H_\infty - \frac{1}{2}\left(\frac{U_4}{U_1}\right)^2\right]}\right] \Big/ \left(\gamma+1-(\gamma-1)b_z^2\right)$$

$$\rho = U_1/w,\quad p = U_2 - U_1 w,\quad u = b_z w$$

Method 2: In this approach a system of auxilliary equations which are valid only at the wall are used for the computation of the wall points. One equation is a characteristic compatibility relation corresponding to a bicharacteristic ray pointing into the flow from the wall point under consideration. This equation for a symmetric body ($b_\phi \equiv 0$) is:

$$p_Z = \lambda \left\{ X_r p_X - \frac{1}{\beta} \left[\frac{vw}{\pi r a^2} p_Y + \rho X_r w (u_X - b_z w_X + \frac{1}{\pi b} (w v_y - v w_y) + \frac{wu}{b} \right] \right\} \qquad (13)$$

$$- \frac{\rho}{\beta} (w^2 b_{zz} - \frac{v^2}{b})$$

where

$$\beta = \sqrt{\frac{W^2 + u^2 - a^2}{a^2}}, \quad \lambda = \frac{a^2(\beta - b_z)}{w^2 - a^2}$$

The other equations are characteristic compatibility relations corresponding to the wall streamlines; these are:

$$p\rho^{-\gamma} = \text{constant} \qquad (14)$$

(i.e., entropy is constant on the body surface) and (for $b_\phi = 0$)

$$v_Z = - \frac{1}{\pi b w} (\frac{1}{\rho} p_Y + v v_Y) - \frac{1}{b} \frac{vu}{w} \qquad (15)$$

The quantities p and v at the wall are advanced in a predictor-corrector manner. For example, p is advanced using

$$p_j' = p_j^n + \Delta Z \, (p_Z)_j^n$$

$$p_j^{n+1} = \frac{1}{2} \left[p_j^n + p_j' + \Delta Z \, (p_Z')_j \right]$$

In the above, $(p_Z)_j^n$ is the right-hand side of Equation (13) evaluated at the point (Z_n, O, Y_j) where the partial derivatives with respect to Y and X are replaced by

$$(\frac{\partial}{\partial Y})_j^n = \frac{( )_{O,j+1}^n - ( )_{O,j}^n}{\Delta Y} \text{ and } (\frac{\partial}{\partial X})_j^n = \frac{( )_{1,j}^n - ( )_{O,j}^n}{\Delta X}$$

respectively. The quantity $(p_Z')_j$ is the right-hand side of Equation (13) evaluated at (Z_{n+1}, O, Y_j) using predicted values of the flow variables with

$$\left(\frac{\partial'}{\partial Y}\right)_j = \frac{(')_{1,j} - (')_{0,j-1}}{\Delta Y} \quad \text{and} \quad \left(\frac{\partial'}{\partial X}\right)_j = \frac{(')_{1,j} (')_{0,j}}{\Delta X}$$

The quantity v is advanced similarly using Equation (15). In both the predictor and corrector steps the other flow variables at the wall are obtained from Equations (14), (2), (3), and (12). The final formulas for an axially symmetric body ($b_\phi \equiv 0$) are

$$\rho = c_o p^{1/\gamma}, \quad c_o = (\rho^\gamma/p) \text{ at stagnation point}$$

$$q^2 = u^2 + w^2 + v^2 = 2\left(H_\infty - \frac{\gamma}{\gamma-1}\frac{p}{\rho}\right)$$

$$w = \frac{q}{\sqrt{1 + b_Z^2}}, \quad u = b_Z w$$

Each of the above methods has advantages and disadvantages in certain situations. Method 1 works well in the region of leeside compression on slender cones; however, it exhibits oscillations near the sphere-cone juncture. Method 2, on the other hand, is satisfactory near the sphere-cone juncture but exhibits poor behavior on the leeside of slender cones. Method 2 retains the correct inviscid wall entropy and hence results using this method show the downstream development of discontinuities at the wall in some of the flow variables, a phenomenon which is characteristic of the wall entropy layer on blunted bodies. Method 1 does not retain the proper wall entropy and the entropy layer is "smoothed out" as the calculation proceeds downstream. Except for the regions indicated above, the computed wall pressures using the two methods are in close agreement.

In order to exploit the advantages of both methods, most of the results presented here were obtained using a combination of both methods; vis., Method 2 was used past the sphere-cone juncture up to Z = 2; Method 1 was used for the remainder of the calculation. This procedure was used for all calculations except the 20° cones where Method 2 was used for the whole calculation.

The procedures given above for wall, interior, and shock points must be slightly modified at the symmetry planes Y = 0 and Y = 1 (j = 0 and j = J, respectively since some of the differences in the Y direction require the flow variables at Y = - ΔY (j = - 1) and Y = 1 + ΔY (j = J + 1). The required quantities are obtained using symmetry conditions; e.g.,

$$\begin{aligned} u(Z,X,-\Delta Y) &= u(Z,X,\Delta Y) \\ v(Z,X,-\Delta Y) &= -v(Z,X,\Delta Y) \\ w(Z,X,-\Delta Y) &= w(Z,X,\Delta Y) \\ p(Z,X,-\Delta Y) &= p(Z,X,\Delta Y) \\ \rho(Z,X,-\Delta Y) &= \rho(Z,X,\Delta Y) \end{aligned}$$

with similar expressions across Y = 1.

The step size is chosen in accordance with the CFL condition (which is a necessary condition for numerical stability). This condition is that the domain of dependence of the partial differential equations must be contained in the domain of dependence of the finite difference equations at all points. This condition can be written as

$$\Delta Z \leq \Delta X \min \left\{\frac{1}{\sigma}\right\} \tag{16}$$

where the minimum is taken over all computational points. At each point σ is defined by:

$$\sigma = \max(\sigma_1, \sigma_2, \sigma_3)$$

where

$$\sigma_1 = \{|X_z \eta + w\xi| + a\sqrt{(X_r^2 + X_\phi^2 \frac{1}{r^2})\ \eta + \xi^2}\}/\eta$$

$$\sigma_2 = (\frac{\Delta X}{\Delta Y})\ (\frac{1}{\pi r})\ (|wv| + \sqrt{\eta + v^2})/\eta$$

$$\sigma_3 = \{|X_z \eta + w\xi_1| + a\sqrt{\left[X_r^2 + (X_\phi^2 + \frac{\Delta X^2}{\pi^2 \Delta Y^2})\ \frac{1}{r^2}\right]\eta + \xi_1^2}\}/\eta$$

and

$$\eta = w^2 - a^2,\ \xi = X_r u + X_\phi \frac{v}{r},\ \xi_1 = \xi + \frac{\Delta X}{\pi \Delta Y}\ (\frac{v}{r})$$

in the actual calculations, the right-hand side of (16) is evaluated at the station Z_n and ΔZ is taken as .9 of this value.

COMPARISON WITH EXPERIMENTAL DATA

In order to validate the present pressure prediction capability numerous comparisons were made with experimentally determined values and other predictive schemes where possible. Data typical of the excellent agreement generally noted with experimental results are given in Figures 4, 5, and 6. Comparisons are first made for a seven-degree sphere cone at Mach numbers equal to five at angles of attack equal to zero degrees and five degrees. These data were obtained in the Naval Surface Weapons Center Hypersonic Tunnel. Further comparisons are made for a nine-degree cone at Mach numbers equal to five at angles of attack equal to four degrees, ten degrees and fourteen and a half degrees. These data were obtained from tests conducted at Arnold Engineering Development Center.[8]

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[8] AVCO Government Products Group, Street-A III, Vol. III, "Three-Dimensional Inviscid Flow Field Analysis of Aerodynamic Trim," August 1973

USING THE TABLES: SURFACE PRESSURE DISTRIBUTIONS

The pressure tables are divided into two parts; first, surface pressure distributions on the sphere alone are presented. As these data are independent of the cone angle, the sphere tables are divided according to angle of attack and then subdivided according to Mach number. Next, the surface pressure distributions on the cone are presented. These data are divided according to angle of attack and then subdivided according to cone angle and then according to Mach number. Angles of attack of 0^{o}, 1^{o}, 3^{o}, 5^{o}, and 10^{o} are considered over a Mach number range of 3.5, 5.0, 10.0, 15.0, 20.0, 25.0, and 30.0. Cone angles of 5^{o}, 6^{o}, 7^{o}, 8^{o}, 9^{o}, 10^{o}, 15^{o}, and 20^{o} are utilized. Each table is headed by the appropriate Mach number, cone angle or sphere, and angle of attack. The surface pressure distributions are then presented at plane angles of 0^{o}, 30^{o}, 60^{o}, 90^{o}, 120^{o}, 150^{o}, and 180^{o}, measured from windward to leeward meridian as a function of L/R_N and S/R_N. (See Fig. 7). L is the axial position measured from the sphere tip, R_N is the nosetip or sphere radius. S is the actual surface length measured from the sphere tip over the sphere and cone. At zero degrees angle of attack the pressure distribution along all meridians are equal at each axial or surface station, thus only one meridian plane value is present at each station for the zero angle-of-attack case. Calculations on the sphere are presented until $L/R_N = 1.00$ and on the cone until $L/R_N \approx 200$.

SPHERE ANGLE OF ATTACK = 0.00

Q / P FREE-STREAM AT MACH NO.

L/RN	3.5	5.0	10.0	15.0	20.0	25.0	30.0	S/RN
0.000	16.24	32.65	129.23	290.18	515.53	805.34	1159.48	.000
.025	15.37	30.90	121.61	272.97	484.89	757.52	1090.61	.224
.050	14.54	29.23	114.30	256.48	455.50	711.55	1024.40	.318
.075	13.73	27.34	107.36	240.73	427.42	667.64	961.13	.390
.100	12.97	25.73	100.72	225.73	400.71	625.91	901.01	.451
.125	12.24	24.19	94.43	211.49	375.30	586.13	843.67	.505
.150	11.53	22.74	88.45	197.94	351.13	548.25	789.07	.555
.175	10.86	21.34	82.77	185.15	328.28	512.53	737.57	.601
.200	10.21	20.01	77.40	172.99	306.45	478.33	688.26	.644
.225	9.58	18.74	72.27	161.36	285.91	446.13	641.81	.684
.250	8.91	17.52	67.32	150.26	267.42	417.03	598.96	.723
.275	8.39	16.39	62.46	139.28	246.91	385.23	554.32	.760
.300	7.83	15.31	58.18	129.56	229.50	357.99	515.01	.795
.325	7.48	14.29	54.18	120.30	213.01	332.20	477.86	.830
.350	7.00	13.32	50.22	111.58	197.47	307.92	442.89	.863
.375	6.55	12.41	46.55	103.75	182.87	285.10	410.06	.896
.400	6.15	11.56	43.11	95.63	169.16	263.68	379.22	.927
.425	5.75	10.75	39.89	88.40	156.31	243.61	350.31	.958
.450	5.37	9.99	36.88	81.63	144.27	224.81	323.25	.988
.475	5.02	9.27	34.05	75.29	133.02	207.24	297.95	1.018
.500	4.68	8.60	31.41	69.37	122.52	190.83	274.34	1.047
.525	4.36	7.97	28.94	63.85	112.72	175.54	252.32	1.076
.550	4.06	7.38	26.64	58.70	103.58	161.28	231.80	1.104
.575	3.78	6.82	24.50	53.90	95.08	148.00	212.70	1.132
.600	3.51	6.30	22.50	49.44	87.17	135.67	194.96	1.159
.625	3.26	5.82	20.64	45.30	79.83	124.22	178.49	1.186
.650	3.03	5.36	18.91	41.46	73.03	113.61	163.22	1.213
.675	2.81	4.94	17.31	37.90	66.72	103.78	149.08	1.240
.700	2.60	4.54	15.82	34.60	60.89	94.69	136.00	1.266
.725	2.40	4.17	14.45	31.55	55.50	86.28	123.91	1.292
.750	2.22	3.83	13.18	28.73	50.52	78.52	112.75	1.318
.775	2.05	3.51	12.00	26.13	45.92	71.36	102.45	1.344
.800	1.89	3.21	10.92	23.74	41.69	64.76	92.96	1.369
.825	1.74	2.94	9.91	21.53	37.79	58.70	84.24	1.395
.850	1.60	2.68	8.99	19.50	34.20	53.11	76.23	1.420
.875	1.47	2.45	8.14	17.63	30.91	47.99	68.85	1.445
.900	1.35	2.23	7.36	15.92	27.89	43.29	62.12	1.471
.925	1.24	2.02	6.64	14.34	25.12	38.99	55.91	1.496
.950	1.13	1.84	5.98	12.90	22.58	35.03	50.22	1.521
.975	1.03	1.67	5.38	11.59	20.27	31.42	45.07	1.546
1.000	.94	1.51	4.85	10.41	18.20	28.16	40.45	1.571

MACH NO = 3.50 SPHERE ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	16.24	16.24	16.24	16.24	16.24	16.24	16.24	.000
.025	15.50	15.48	15.43	15.37	15.30	15.25	15.23	.224
.050	14.71	14.69	14.62	14.53	14.44	14.38	14.35	.318
.075	13.94	13.91	13.83	13.73	13.62	13.55	13.52	.390
.100	13.19	13.16	13.08	12.97	12.85	12.77	12.74	.451
.125	12.48	12.45	12.36	12.24	12.11	12.03	11.99	.505
.150	11.79	11.75	11.66	11.53	11.41	11.31	11.28	.555
.175	11.12	11.09	10.99	10.86	10.73	10.64	10.60	.601
.200	10.48	10.44	10.34	10.21	10.07	9.97	9.94	.644
.225	9.85	9.81	9.71	9.57	9.44	9.34	9.30	.684
.250	9.24	9.20	9.10	8.91	8.72	8.60	8.57	.723
.275	8.53	8.50	8.43	8.40	8.43	8.39	8.37	.760
.300	8.36	8.32	8.19	8.02	7.88	7.78	7.74	.795
.325	7.75	7.71	7.61	7.48	7.35	7.26	7.23	.830
.350	7.25	7.21	7.12	7.00	6.87	6.78	6.75	.863
.375	6.78	6.75	6.66	6.55	6.44	6.36	6.33	.896
.400	6.37	6.34	6.26	6.15	6.04	5.95	5.92	.927
.425	5.98	5.95	5.86	5.75	5.64	5.56	5.53	.958
.450	5.59	5.56	5.48	5.37	5.27	5.19	5.16	.988
.475	5.23	5.20	5.12	5.02	4.91	4.84	4.81	1.018
.500	4.88	4.85	4.78	4.68	4.58	4.51	4.48	1.047
.525	4.55	4.53	4.46	4.36	4.27	4.20	4.17	1.076
.550	4.25	4.22	4.15	4.06	3.97	3.91	3.88	1.104
.575	3.96	3.93	3.87	3.78	3.69	3.63	3.61	1.132
.600	3.68	3.66	3.60	3.51	3.43	3.37	3.35	1.159
.625	3.42	3.40	3.34	3.26	3.19	3.13	3.11	1.186
.650	3.18	3.16	3.10	3.03	2.95	2.90	2.88	1.213
.675	2.95	2.93	2.88	2.81	2.74	2.69	2.67	1.240
.700	2.74	2.72	2.67	2.60	2.53	2.49	2.47	1.266
.725	2.53	2.52	2.47	2.40	2.34	2.30	2.28	1.292
.750	2.34	2.33	2.28	2.22	2.16	2.12	2.11	1.318
.775	2.17	2.15	2.11	2.05	2.00	1.96	1.94	1.344
.800	2.00	1.99	1.95	1.89	1.84	1.80	1.79	1.369
.825	1.84	1.83	1.79	1.74	1.69	1.66	1.64	1.395
.850	1.70	1.68	1.65	1.60	1.56	1.52	1.51	1.420
.875	1.56	1.55	1.52	1.47	1.43	1.40	1.39	1.445
.900	1.43	1.42	1.39	1.35	1.31	1.28	1.27	1.471
.925	1.31	1.30	1.28	1.24	1.20	1.17	1.16	1.496
.950	1.20	1.19	1.17	1.13	1.10	1.07	1.06	1.521
.975	1.10	1.09	1.07	1.03	1.00	.98	.97	1.546
1.000	1.01	1.00	.97	.94	.92	.89	.89	1.571

MACH NO = 5.00 SPHERE ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	32.64	32.64	32.64	32.64	32.64	32.64	32.64	.000
.025	31.07	31.03	30.93	30.79	30.65	30.55	30.51	.224
.050	29.40	29.35	29.21	29.02	28.83	28.69	28.64	.318
.075	27.77	27.71	27.55	27.33	27.11	26.95	26.89	.390
.100	26.20	26.13	25.96	25.72	25.48	25.31	25.24	.451
.125	24.70	24.63	24.44	24.18	23.93	23.75	23.68	.505
.150	23.26	23.19	22.99	22.73	22.47	22.27	22.21	.555
.175	21.87	21.80	21.60	21.33	21.07	20.88	20.80	.601
.200	20.56	20.48	20.28	20.00	19.73	19.54	19.46	.644
.225	19.29	19.21	19.01	18.73	18.46	18.26	18.19	.684
.250	18.07	17.99	17.79	17.52	17.25	17.06	16.99	.723
.275	16.92	16.85	16.65	16.39	16.12	15.93	15.86	.760
.300	15.83	15.76	15.57	15.30	15.04	14.85	14.79	.795
.325	14.80	14.73	14.54	14.28	14.03	13.84	13.78	.830
.350	13.82	13.75	13.57	13.32	13.07	12.89	12.83	.863
.375	12.90	12.83	12.65	12.41	12.17	12.00	11.94	.896
.400	12.02	11.96	11.79	11.55	11.32	11.16	11.10	.927
.425	11.20	11.14	10.97	10.74	10.52	10.36	10.30	.958
.450	10.42	10.36	10.20	9.98	9.77	9.62	9.56	.988
.475	9.69	9.63	9.48	9.27	9.06	8.92	8.86	1.018
.500	9.00	8.94	8.80	8.60	8.40	8.26	8.21	1.047
.525	8.35	8.30	8.16	7.97	7.78	7.65	7.60	1.076
.550	7.74	7.69	7.55	7.37	7.20	7.07	7.02	1.104
.575	7.17	7.12	6.99	6.82	6.65	6.53	6.49	1.132
.600	6.63	6.58	6.46	6.30	6.14	6.03	5.99	1.159
.625	6.12	6.08	5.97	5.81	5.66	5.56	5.52	1.186
.650	5.65	5.61	5.51	5.36	5.22	5.12	5.08	1.213
.675	5.21	5.18	5.07	4.94	4.80	4.71	4.67	1.240
.700	4.80	4.77	4.67	4.54	4.42	4.33	4.29	1.266
.725	4.42	4.38	4.29	4.17	4.06	3.97	3.94	1.292
.750	4.06	4.03	3.94	3.83	3.72	3.64	3.61	1.318
.775	3.73	3.70	3.62	3.51	3.41	3.33	3.31	1.344
.800	3.42	3.39	3.31	3.21	3.12	3.05	3.02	1.369
.825	3.13	3.10	3.03	2.94	2.85	2.78	2.76	1.395
.850	2.86	2.83	2.77	2.68	2.60	2.54	2.52	1.420
.875	2.61	2.59	2.53	2.45	2.37	2.31	2.29	1.445
.900	2.38	2.36	2.30	2.23	2.16	2.10	2.09	1.471
.925	2.16	2.15	2.09	2.02	1.96	1.91	1.89	1.496
.950	1.97	1.95	1.90	1.84	1.78	1.73	1.72	1.521
.975	1.78	1.77	1.72	1.67	1.61	1.57	1.56	1.546
1.000	1.62	1.60	1.56	1.51	1.46	1.42	1.41	1.571

MACH NO = 10.00 SPHERE ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	129.18	129.18	129.18	129.18	129.18	129.18	129.18	.000
.025	122.73	122.57	122.15	121.57	120.99	120.57	120.41	.224
.050	115.83	115.62	115.04	114.26	113.49	112.93	112.72	.318
.075	109.13	108.89	108.22	107.32	106.42	105.77	105.53	.390
.100	102.67	102.40	101.67	100.68	99.70	98.99	98.74	.451
.125	96.49	96.21	95.44	94.40	93.36	92.61	92.34	.505
.150	90.58	90.28	89.49	88.42	87.36	86.59	86.31	.555
.175	84.97	84.67	83.85	82.74	81.65	80.87	80.58	.601
.200	79.59	79.29	78.48	77.37	76.28	75.48	75.19	.644
.225	74.47	74.17	73.35	72.25	71.19	70.40	70.11	.684
.250	69.64	69.33	68.50	67.30	66.11	65.26	64.95	.723
.275	64.67	64.35	63.50	62.44	61.41	60.65	60.37	.760
.300	60.28	60.00	59.22	58.16	57.12	56.37	56.09	.795
.325	56.15	55.87	55.10	54.07	53.05	52.31	52.05	.830
.350	52.22	51.95	51.21	50.21	49.21	48.49	48.23	.863
.375	48.51	48.24	47.51	46.54	45.57	44.88	44.63	.896
.400	44.99	44.73	44.03	43.10	42.18	41.52	41.28	.927
.425	41.69	41.45	40.78	39.88	39.00	38.36	38.13	.958
.450	38.60	38.36	37.72	36.87	36.02	35.42	35.20	.988
.475	35.70	35.47	34.86	34.04	33.24	32.66	32.45	1.018
.500	32.98	32.76	32.18	31.40	30.64	30.09	29.89	1.047
.525	30.43	30.23	29.68	28.94	28.21	27.69	27.50	1.076
.550	28.05	27.86	27.34	26.64	25.95	25.46	25.28	1.104
.575	25.83	25.65	25.15	24.49	23.84	23.38	23.21	1.132
.600	23.75	23.58	23.12	22.49	21.88	21.45	21.29	1.159
.625	21.82	21.66	21.22	20.63	20.06	19.65	19.50	1.186
.650	20.02	19.87	19.46	18.91	18.37	17.98	17.85	1.213
.675	18.35	18.21	17.82	17.31	16.80	16.44	16.31	1.240
.700	16.80	16.66	16.30	15.82	15.35	15.02	14.89	1.266
.725	15.36	15.23	14.90	14.45	14.01	13.70	13.58	1.292
.750	14.02	13.91	13.59	13.17	12.77	12.48	12.37	1.318
.775	12.79	12.68	12.39	12.00	11.62	11.35	11.25	1.344
.800	11.65	11.55	11.28	10.91	10.56	10.31	10.22	1.369
.825	10.59	10.50	10.25	9.91	9.59	9.36	9.27	1.395
.850	9.62	9.53	9.30	8.99	8.69	8.47	8.40	1.420
.875	8.72	8.64	8.43	8.14	7.86	7.67	7.60	1.445
.900	7.90	7.82	7.63	7.36	7.11	6.92	6.86	1.471
.925	7.14	7.07	6.89	6.64	6.41	6.24	6.18	1.496
.950	6.44	6.37	6.21	5.98	5.77	5.61	5.56	1.521
.975	5.80	5.74	5.59	5.38	5.19	5.05	5.00	1.546
1.000	5.22	5.16	5.03	4.85	4.67	4.55	4.50	1.571

MACH NO = 15.00 SPHERE ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	290.09	290.09	290.09	290.09	290.09	290.09	290.09	.000
.025	275.50	275.15	274.19	272.87	271.57	270.62	270.27	.224
.050	259.92	259.44	258.15	256.38	254.62	253.34	252.87	.318
.075	244.74	244.19	242.69	240.65	238.62	237.14	236.60	.390
.100	230.14	229.53	227.88	225.65	223.43	221.81	221.22	.451
.125	216.13	215.49	213.77	211.42	209.09	207.39	206.77	.505
.150	202.77	202.11	200.31	197.87	195.46	193.71	193.08	.555
.175	190.04	189.37	187.56	185.09	182.63	180.83	180.18	.601
.200	177.89	177.20	175.34	172.83	170.37	168.58	167.92	.644
.225	166.31	165.63	163.79	161.30	158.84	157.06	156.40	.684
.250	155.34	154.66	153.88	152.21	149.60	147.08	146.03	.723
.275	145.00	143.64	141.60	139.23	136.87	135.14	134.52	.760
.300	134.32	133.67	131.90	129.52	127.16	125.46	124.84	.795
.325	124.97	124.33	122.60	120.27	117.97	116.31	115.71	.830
.350	116.11	115.49	113.81	111.55	109.32	107.70	107.12	.863
.375	107.74	107.14	105.51	103.32	101.17	99.62	99.05	.896
.400	99.85	99.28	97.71	95.61	93.54	92.05	91.51	.927
.425	92.45	91.90	90.39	88.38	86.40	84.97	84.45	.958
.450	85.50	84.97	83.53	81.61	79.72	78.35	77.86	.988
.475	78.98	78.48	77.11	75.27	73.47	72.18	71.71	1.018
.500	72.88	72.40	71.10	69.36	67.65	66.42	65.97	1.047
.525	67.18	66.72	65.49	63.83	62.21	61.05	60.63	1.076
.550	61.85	61.42	60.25	58.69	57.16	56.06	55.66	1.104
.575	56.88	56.47	55.37	53.89	52.45	51.41	51.04	1.132
.600	52.25	51.86	50.82	49.43	48.07	47.10	46.75	1.159
.625	47.94	47.57	46.60	45.29	44.01	43.10	42.77	1.186
.650	43.93	43.59	42.67	41.45	40.25	39.40	39.09	1.213
.675	40.21	39.89	39.03	37.89	36.77	35.97	35.69	1.240
.700	36.76	36.46	35.66	34.59	33.55	32.81	32.54	1.266
.725	33.57	33.29	32.54	31.55	30.58	29.88	29.63	1.292
.750	30.61	30.35	29.66	28.73	27.83	27.18	26.95	1.318
.775	27.88	27.64	26.99	26.13	25.29	24.69	24.48	1.344
.800	25.35	25.13	24.53	23.73	22.96	22.40	22.20	1.369
.825	23.03	22.82	22.26	21.53	20.81	20.30	20.11	1.395
.850	20.88	20.69	20.18	19.50	18.83	18.36	18.19	1.420
.875	18.90	18.73	18.26	17.63	17.02	16.58	16.43	1.445
.900	17.09	16.93	16.50	15.92	15.35	14.95	14.81	1.471
.925	15.42	15.27	14.87	14.34	13.82	13.46	13.32	1.496
.950	13.89	13.75	13.39	12.90	12.43	12.09	11.97	1.521
.975	12.49	12.36	12.03	11.59	11.16	10.86	10.75	1.546
1.000	11.22	11.11	10.81	10.41	10.03	9.76	9.66	1.571

MACH NO = 20.00 SPHERE ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	515.36	515.36	515.36	515.36	515.36	515.36	515.36	.000
.025	489.39	488.76	487.04	484.71	482.38	480.69	480.07	.224
.050	461.62	460.78	458.47	455.33	452.21	449.93	449.10	.318
.075	434.56	433.58	430.90	427.27	423.66	421.03	420.07	.390
.100	408.57	407.49	404.55	400.57	396.61	393.72	392.67	.451
.125	383.58	382.44	379.36	375.17	371.01	367.98	366.88	.505
.150	359.76	358.58	355.36	351.01	346.70	343.58	342.44	.555
.175	337.03	335.83	332.58	328.17	323.78	320.57	319.41	.601
.200	315.32	314.10	310.79	306.35	301.97	298.78	297.62	.644
.225	294.74	293.52	290.21	285.71	281.27	278.06	276.89	.684
.250	274.98	274.04	271.43	267.34	262.63	258.80	257.32	.723
.275	255.78	254.37	251.13	246.83	242.57	239.48	238.36	.760
.300	238.00	236.84	233.68	229.43	225.23	222.19	221.08	.795
.325	221.31	220.18	217.09	212.94	208.85	205.90	204.82	.830
.350	205.53	204.43	201.44	197.41	193.45	190.59	189.55	.863
.375	190.66	189.59	186.70	182.82	178.99	176.24	175.24	.896
.400	176.66	175.63	172.85	169.11	165.44	162.79	161.83	.927
.425	163.50	162.52	159.85	156.27	152.75	150.21	149.30	.958
.450	151.15	150.21	147.66	144.24	140.88	138.46	137.58	.988
.475	139.58	138.68	136.25	132.99	129.79	127.49	126.66	1.018
.500	128.75	127.89	125.58	122.49	119.45	117.27	116.48	1.047
.525	118.63	117.82	115.63	112.69	109.81	107.75	107.00	1.076
.550	109.17	108.41	106.33	103.56	100.84	98.89	98.18	1.104
.575	100.36	99.63	97.67	95.05	92.49	90.66	89.99	1.132
.600	92.14	91.46	89.62	87.15	84.75	83.02	82.39	1.159
.625	84.50	83.86	82.13	79.82	77.56	75.94	75.35	1.186
.650	77.40	76.80	75.18	73.01	70.90	69.39	68.84	1.213
.675	70.82	70.26	68.74	66.71	64.74	63.32	62.81	1.240
.700	64.71	64.19	62.77	60.88	59.04	57.72	57.24	1.266
.725	59.06	58.57	57.25	55.49	53.77	52.55	52.10	1.292
.750	53.83	53.38	52.15	50.51	48.91	47.78	47.36	1.318
.775	49.00	48.58	47.44	45.92	44.44	43.38	43.00	1.344
.800	44.54	44.15	43.09	41.68	40.31	39.33	38.98	1.369
.825	40.43	40.07	39.09	37.78	36.52	35.62	35.29	1.395
.850	36.64	36.31	35.40	34.20	33.03	32.20	31.89	1.420
.875	33.16	32.85	32.01	30.91	29.84	29.07	28.79	1.445
.900	29.96	29.68	28.91	27.89	26.90	26.19	25.94	1.471
.925	27.02	26.76	26.05	25.11	24.21	23.56	23.32	1.496
.950	24.32	24.08	23.44	22.58	21.75	21.16	20.95	1.521
.975	21.86	21.64	21.05	20.27	19.52	18.99	18.80	1.546
1.000	19.62	19.43	18.90	18.20	17.53	17.06	16.89	1.571

MACH NO = 25.00 SPHERE ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	805.11	805.11	805.11	805.11	805.11	805.11	805.11	.000
.025	764.55	763.57	760.89	757.24	753.60	750.95	749.98	.224
.050	721.14	719.81	716.20	711.29	706.41	702.84	701.55	.318
.075	678.88	677.33	673.11	667.39	661.72	657.62	656.12	.390
.100	638.17	636.49	631.91	625.69	619.51	615.02	613.38	.451
.125	599.14	597.36	592.51	585.92	579.39	574.62	572.88	.505
.150	561.72	559.87	554.85	548.06	541.34	536.46	534.69	.555
.175	526.22	524.35	519.27	512.36	505.48	500.47	498.64	.601
.200	492.25	490.34	485.16	478.17	471.27	466.27	464.45	.644
.225	459.94	458.04	452.92	445.99	439.10	434.09	432.27	.684
.250	429.43	427.94	423.57	416.89	409.37	403.35	400.87	.723
.275	398.68	396.69	391.80	385.11	378.44	373.60	371.84	.760
.300	371.28	369.46	364.53	357.87	351.31	346.56	344.83	.795
.325	345.19	343.41	338.59	332.10	325.71	321.09	319.41	.830
.350	320.53	318.80	314.13	307.83	301.64	297.17	295.55	.863
.375	297.27	295.61	291.10	285.02	279.05	274.74	273.18	.896
.400	275.40	273.79	269.45	263.61	257.87	253.74	252.24	.927
.425	254.84	253.31	249.14	243.54	238.05	234.09	232.65	.958
.450	235.56	234.08	230.10	224.75	219.51	215.73	214.36	.988
.475	217.48	216.08	212.28	207.19	202.19	198.60	197.30	1.018
.500	200.57	199.23	195.62	190.79	186.05	182.65	181.41	1.047
.525	184.76	183.50	180.08	175.49	171.01	167.78	166.62	1.076
.550	170.01	168.81	165.57	161.24	157.00	153.95	152.85	1.104
.575	156.24	155.11	152.06	147.97	143.98	141.11	140.07	1.132
.600	143.43	142.36	139.49	135.64	131.89	129.19	128.22	1.159
.625	131.51	130.51	127.81	124.20	120.68	118.15	117.24	1.186
.650	120.44	119.50	116.97	113.59	110.29	107.93	107.08	1.213
.675	110.17	109.29	106.92	103.76	100.68	98.48	97.68	1.240
.700	100.65	99.83	97.62	94.67	91.80	89.74	89.00	1.266
.725	91.84	91.07	89.02	86.27	83.60	81.68	80.99	1.292
.750	83.69	82.98	81.06	78.51	76.03	74.25	73.61	1.318
.775	76.16	75.50	73.72	71.35	69.05	67.40	66.81	1.344
.800	69.21	68.60	66.95	64.76	62.62	61.10	60.55	1.369
.825	62.80	62.23	60.72	58.69	56.72	55.31	54.80	1.395
.850	56.91	56.39	54.98	53.10	51.29	50.00	49.53	1.420
.875	51.49	51.01	49.71	47.99	46.31	45.11	44.68	1.445
.900	46.50	46.06	44.86	43.29	41.75	40.66	40.26	1.471
.925	41.94	41.54	40.44	38.98	37.57	36.56	36.19	1.496
.950	37.75	37.37	36.37	35.03	33.73	32.81	32.47	1.521
.975	33.90	33.56	32.64	31.42	30.24	29.41	29.11	1.546
1.000	30.40	30.09	29.26	28.16	27.10	26.35	26.09	1.571

MACH NO = 30.00 SPHERE ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	1159.15	1159.15	1159.15	1159.15	1159.15	1159.15	1159.15	.000
.025	1100.74	1099.32	1095.46	1090.21	1084.97	1081.14	1079.75	.224
.050	1038.20	1036.29	1031.09	1024.02	1016.98	1011.85	1009.98	.318
.075	977.32	975.09	969.02	960.78	952.61	946.69	944.53	.390
.100	918.67	916.24	909.64	900.68	891.78	885.30	882.94	.451
.125	862.43	859.86	852.86	843.37	833.95	827.08	824.58	.505
.150	808.49	805.82	798.58	788.80	779.11	772.08	769.52	.555
.175	757.32	754.62	747.28	737.32	727.40	720.17	717.54	.601
.200	708.32	705.57	698.10	688.02	678.07	670.86	668.23	.644
.225	661.73	658.99	651.60	641.60	631.66	624.43	621.80	.684
.250	617.75	615.38	608.63	598.75	588.11	579.83	576.48	.723
.275	573.66	570.93	563.84	554.15	544.51	537.53	534.99	.760
.300	534.18	531.56	524.45	514.85	505.39	498.54	496.06	.795
.325	496.57	494.01	487.07	477.72	468.50	461.85	459.43	.830
.350	461.03	458.55	451.81	442.75	433.84	427.42	425.08	.863
.375	427.57	425.17	418.68	409.94	401.34	395.14	392.89	.896
.400	396.09	393.78	387.52	379.11	370.85	364.89	362.74	.927
.425	366.49	364.27	358.27	350.21	342.30	336.61	334.54	.958
.450	338.72	336.60	330.87	323.16	315.61	310.18	308.21	.988
.475	312.69	310.67	305.21	297.87	290.69	285.52	283.65	1.018
.500	288.35	286.42	281.23	274.27	267.45	262.55	260.78	1.047
.525	265.60	263.78	258.86	252.26	245.80	241.16	239.48	1.076
.550	244.36	242.64	237.98	231.74	225.64	221.26	219.68	1.104
.575	224.55	222.93	218.54	212.65	206.90	202.78	201.29	1.132
.600	206.11	204.58	200.45	194.91	189.51	185.64	184.24	1.159
.625	188.96	187.53	183.65	178.45	173.39	169.75	168.44	1.186
.650	173.04	171.69	168.05	163.19	158.45	155.05	153.82	1.213
.675	158.26	157.00	153.60	149.05	144.62	141.45	140.30	1.240
.700	144.57	143.39	140.22	135.98	131.84	128.89	127.82	1.266
.725	131.90	130.80	127.84	123.89	120.05	117.29	116.30	1.292
.750	120.18	119.16	116.40	112.73	109.16	106.60	105.68	1.318
.775	109.35	108.40	105.84	102.44	99.13	96.76	95.90	1.344
.800	99.36	98.48	96.11	92.95	89.89	87.71	86.92	1.369
.825	90.15	89.34	87.15	84.24	81.40	79.37	78.65	1.395
.850	81.67	80.92	78.90	76.22	73.61	71.74	71.07	1.420
.875	73.89	73.20	71.33	68.85	66.45	64.74	64.12	1.445
.900	66.73	66.09	64.39	62.11	59.90	58.32	57.75	1.471
.925	60.17	59.59	58.01	55.91	53.87	52.41	51.89	1.496
.950	54.13	53.59	52.14	50.22	48.36	47.04	46.57	1.521
.975	48.60	48.11	46.80	45.06	43.39	42.21	41.79	1.546
1.000	43.62	43.18	42.00	40.45	38.97	37.93	37.56	1.571

MACH NO = 3.50 SPHERE ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	16.20	16.20	16.20	16.20	16.20	16.20	16.20	.000
.025	15.73	15.67	15.52	15.32	15.13	14.98	14.93	.224
.050	15.03	14.96	14.76	14.49	14.23	14.04	13.97	.318
.075	14.33	14.24	14.01	13.69	13.38	13.16	13.08	.390
.100	13.62	13.53	13.27	12.93	12.60	12.36	12.27	.451
.125	12.94	12.84	12.57	12.20	11.84	11.59	11.49	.505
.150	12.28	12.17	11.89	11.50	11.13	10.86	10.76	.555
.175	11.63	11.52	11.23	10.83	10.45	10.17	10.06	.601
.200	11.00	10.89	10.59	10.18	9.78	9.49	9.39	.644
.225	10.39	10.28	9.97	9.55	9.14	8.75	8.63	.684
.250	9.79	9.67	9.36	8.87	8.44	8.43	8.39	.723
.275	9.21	9.09	8.66	8.41	8.18	7.86	7.75	.760
.300	8.52	8.43	8.43	8.00	7.59	7.32	7.22	.795
.325	8.36	8.21	7.87	7.47	7.09	6.82	6.73	.830
.350	7.77	7.66	7.36	6.98	6.62	6.39	6.30	.863
.375	7.29	7.18	6.90	6.54	6.21	5.97	5.88	.896
.400	6.83	6.73	6.47	6.14	5.80	5.57	5.48	.927
.425	6.42	6.33	6.08	5.74	5.42	5.19	5.11	.958
.450	6.04	5.94	5.69	5.36	5.05	4.83	4.75	.988
.475	5.66	5.57	5.32	5.01	4.71	4.50	4.42	1.018
.500	5.30	5.21	4.97	4.67	4.38	4.18	4.11	1.047
.525	4.95	4.87	4.65	4.35	4.08	3.88	3.82	1.076
.550	4.63	4.55	4.33	4.05	3.79	3.61	3.54	1.104
.575	4.32	4.25	4.04	3.77	3.52	3.35	3.28	1.132
.600	4.03	3.96	3.76	3.51	3.27	3.10	3.04	1.159
.625	3.76	3.69	3.50	3.26	3.03	2.87	2.82	1.186
.650	3.50	3.43	3.25	3.02	2.81	2.66	2.60	1.213
.675	3.25	3.19	3.02	2.80	2.60	2.46	2.41	1.240
.700	3.02	2.96	2.80	2.60	2.40	2.27	2.22	1.266
.725	2.81	2.75	2.60	2.40	2.22	2.09	2.05	1.292
.750	2.60	2.55	2.40	2.22	2.05	1.93	1.89	1.318
.775	2.41	2.36	2.22	2.05	1.89	1.77	1.73	1.344
.800	2.23	2.18	2.05	1.89	1.74	1.63	1.59	1.369
.825	2.06	2.01	1.89	1.74	1.60	1.50	1.46	1.395
.850	1.90	1.86	1.75	1.60	1.47	1.37	1.34	1.420
.875	1.75	1.71	1.61	1.47	1.34	1.26	1.23	1.445
.900	1.61	1.58	1.48	1.35	1.23	1.15	1.12	1.471
.925	1.48	1.45	1.35	1.24	1.13	1.05	1.03	1.496
.950	1.36	1.33	1.24	1.13	1.03	.96	.94	1.521
.975	1.25	1.22	1.14	1.03	.94	.88	.86	1.546
1.000	1.14	1.11	1.04	.94	.86	.80	.78	1.571

MACH NO = 5.00 SPHERE ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	32.55	32.55	32.55	32.55	32.55	32.55	32.55	.000
.025	31.56	31.44	31.13	30.71	30.28	29.98	29.87	.224
.050	30.08	29.93	29.51	28.94	28.38	27.97	27.83	.318
.075	28.59	28.41	27.92	27.25	26.60	26.14	25.97	.390
.100	27.11	26.91	26.37	25.65	24.94	24.43	24.25	.451
.125	25.67	25.46	24.89	24.12	23.38	22.84	22.65	.505
.150	24.28	24.06	23.46	22.67	21.89	21.34	21.14	.555
.175	22.93	22.71	22.09	21.28	20.49	19.92	19.71	.601
.200	21.63	21.40	20.78	19.95	19.15	18.58	18.37	.644
.225	20.38	20.15	19.52	18.69	17.87	17.30	17.10	.684
.250	19.17	18.94	18.31	17.47	16.69	16.13	15.92	.723
.275	18.00	17.77	17.15	16.35	15.56	15.01	14.81	.760
.300	16.90	16.68	16.07	15.27	14.50	13.96	13.76	.795
.325	15.85	15.62	15.03	14.25	13.50	12.97	12.79	.830
.350	14.85	14.63	14.05	13.29	12.56	12.05	11.87	.863
.375	13.89	13.68	13.12	12.38	11.68	11.19	11.01	.896
.400	12.99	12.78	12.24	11.53	10.85	10.37	10.20	.927
.425	12.13	11.94	11.41	10.72	10.07	9.61	9.45	.958
.450	11.32	11.13	10.63	9.96	9.34	8.90	8.74	.988
.475	10.56	10.37	9.89	9.25	8.65	8.23	8.08	1.018
.500	9.83	9.65	9.19	8.58	8.01	7.61	7.47	1.047
.525	9.14	8.98	8.53	7.95	7.41	7.03	6.89	1.076
.550	8.50	8.34	7.91	7.36	6.84	6.48	6.35	1.104
.575	7.89	7.74	7.33	6.81	6.32	5.97	5.85	1.132
.600	7.32	7.17	6.79	6.29	5.82	5.50	5.39	1.159
.625	6.78	6.64	6.28	5.81	5.37	5.06	4.95	1.186
.650	6.27	6.14	5.80	5.35	4.94	4.65	4.55	1.213
.675	5.80	5.67	5.35	4.93	4.54	4.27	4.17	1.240
.700	5.35	5.24	4.93	4.54	4.17	3.92	3.83	1.266
.725	4.94	4.83	4.54	4.17	3.82	3.59	3.50	1.292
.750	4.55	4.44	4.17	3.83	3.50	3.28	3.20	1.318
.775	4.18	4.09	3.83	3.51	3.21	3.00	2.93	1.344
.800	3.84	3.75	3.52	3.21	2.93	2.74	2.67	1.369
.825	3.53	3.44	3.22	2.94	2.67	2.49	2.43	1.395
.850	3.23	3.15	2.95	2.68	2.44	2.27	2.21	1.420
.875	2.96	2.88	2.69	2.45	2.22	2.06	2.01	1.445
.900	2.70	2.63	2.46	2.23	2.02	1.87	1.82	1.471
.925	2.47	2.40	2.24	2.02	1.83	1.70	1.65	1.496
.950	2.25	2.19	2.03	1.84	1.66	1.54	1.50	1.521
.975	2.04	1.99	1.85	1.67	1.50	1.39	1.36	1.546
1.000	1.85	1.80	1.67	1.51	1.36	1.27	1.23	1.571

MACH NO = 10.00 SPHERE ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	128.81	128.81	128.81	128.81	128.81	128.81	128.81	.000
.025	124.71	124.24	122.95	121.21	119.49	118.24	117.78	.224
.050	118.66	118.02	116.28	113.93	111.63	109.97	109.37	.318
.075	11c.50	111.75	109.73	107.01	104.34	102.41	101.72	.390
.100	106.43	105.61	103.38	100.40	97.50	95.42	94.66	.451
.125	100.49	99.62	97.28	94.14	91.07	88.88	88.09	.505
.150	94.78	93.87	91.42	88.18	85.04	82.76	81.95	.555
.175	89.25	88.33	85.85	82.52	79.32	77.03	76.21	.601
.200	83.96	83.02	80.43	77.17	73.92	71.64	70.82	.644
.225	78.88	77.94	75.41	72.07	68.84	66.35	65.45	.684
.250	74.00	73.06	70.59	67.11	63.65	61.42	60.63	.723
.275	69.37	68.41	65.69	62.29	59.19	56.98	56.18	.760
.300	64.57	63.60	61.21	58.02	54.94	52.77	51.99	.795
.325	60.34	59.45	57.08	53.94	50.94	48.82	48.06	.830
.350	56.33	55.46	53.13	50.09	47.15	45.10	44.37	.863
.375	52.51	51.67	49.41	46.43	43.61	41.64	40.94	.896
.400	48.88	48.06	45.86	43.00	40.30	38.41	37.74	.927
.425	45.43	44.63	42.53	39.79	37.20	35.40	34.76	.958
.450	42.18	41.42	39.41	36.79	34.31	32.59	31.98	.988
.475	39.13	38.40	36.48	33.97	31.62	29.98	29.40	1.018
.500	36.25	35.56	33.72	31.34	29.10	27.55	27.00	1.047
.525	33.55	32.89	31.14	28.88	26.76	25.29	24.77	1.076
.550	31.02	30.39	28.73	26.59	24.58	23.19	22.70	1.104
.575	28.64	28.04	26.47	24.45	22.55	21.25	20.78	1.132
.600	26.41	25.85	24.37	22.45	20.67	19.44	19.01	1.159
.625	24.33	23.80	22.40	20.60	18.93	17.77	17.37	1.186
.650	22.39	21.89	20.57	18.88	17.31	16.23	15.85	1.213
.675	20.57	20.10	18.86	17.28	15.81	14.81	14.45	1.240
.700	18.88	18.44	17.28	15.80	14.43	13.49	13.16	1.266
.725	17.30	16.89	15.81	14.43	13.15	12.28	11.97	1.292
.750	15.84	15.46	14.45	13.16	11.97	11.16	10.87	1.318
.775	14.48	14.13	13.19	11.99	10.88	10.13	9.86	1.344
.800	13.23	12.89	12.02	10.90	9.88	9.18	8.94	1.369
.825	12.06	11.75	10.94	9.90	8.96	8.31	8.09	1.395
.850	10.98	10.69	9.94	8.98	8.11	7.51	7.30	1.420
.875	9.98	9.72	9.02	8.14	7.33	6.78	6.59	1.445
.900	9.06	8.82	8.17	7.36	6.61	6.10	5.93	1.471
.925	8.21	7.98	7.39	6.64	5.95	5.49	5.33	1.496
.950	7.43	7.22	6.67	5.98	5.36	4.94	4.80	1.521
.975	6.71	6.51	6.01	5.38	4.82	4.45	4.32	1.546
1.000	6.04	5.87	5.41	4.85	4.35	4.02	3.91	1.571

MACH NO = 15.00 SPHERE ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	289.25	289.25	289.25	289.25	289.25	289.25	289.25	.000
.025	279.98	278.92	276.01	272.07	268.18	265.35	264.32	.224
.050	266.31	264.86	260.93	255.63	250.40	246.64	245.28	.318
.075	252.36	250.67	246.10	239.96	233.92	229.57	227.99	.390
.100	238.64	236.78	231.75	225.01	218.42	213.72	212.02	.451
.125	225.22	223.24	217.91	210.83	203.89	198.92	197.13	.505
.150	212.27	210.23	204.70	197.33	190.20	185.13	183.29	.555
.175	199.77	197.67	192.04	184.59	177.27	172.07	170.20	.601
.200	187.81	185.70	179.98	172.37	165.07	159.89	158.02	.644
.225	176.26	174.12	168.42	160.88	154.19	150.21	147.71	.684
.250	165.24	163.13	157.48	151.86	141.89	136.91	135.10	.723
.275	154.74	153.79	148.42	138.88	131.85	126.84	125.04	.760
.300	144.63	141.80	136.42	129.19	122.24	117.34	115.59	.795
.325	134.45	132.44	127.06	119.97	113.21	108.44	106.73	.830
.350	125.38	123.41	118.16	111.28	104.71	100.10	98.46	.863
.375	116.75	114.85	109.75	103.08	96.75	92.33	90.75	.896
.400	108.58	106.72	101.80	95.39	89.31	85.07	83.56	.927
.425	100.84	99.06	94.33	88.18	82.36	78.31	76.87	.958
.450	93.55	91.84	87.32	81.43	75.88	72.02	70.65	.988
.475	86.69	85.05	80.73	75.12	69.83	66.17	64.87	1.018
.500	80.23	78.68	74.55	69.22	64.20	60.73	59.50	1.047
.525	74.17	72.69	68.77	63.71	58.96	55.68	54.52	1.076
.550	68.49	67.09	63.37	58.58	54.09	51.00	49.90	1.104
.575	63.17	61.84	58.32	53.80	49.57	46.65	45.63	1.132
.600	58.19	56.93	53.62	49.35	45.37	42.64	41.68	1.159
.625	53.54	52.35	49.23	45.22	41.49	38.93	38.03	1.186
.650	49.19	48.08	45.15	41.39	37.90	35.51	34.66	1.213
.675	45.15	44.10	41.35	37.84	34.58	32.34	31.56	1.240
.700	41.38	40.41	37.83	34.55	31.51	29.43	28.70	1.266
.725	37.89	36.97	34.57	31.51	28.68	26.74	26.07	1.292
.750	34.64	33.79	31.55	28.70	26.07	24.27	23.64	1.318
.775	31.63	30.84	28.76	26.10	23.66	22.00	21.42	1.344
.800	28.84	28.11	26.17	23.71	21.45	19.92	19.38	1.369
.825	26.26	25.58	23.79	21.51	19.42	18.00	17.50	1.395
.850	23.88	23.25	21.58	19.48	17.55	16.25	15.79	1.420
.875	21.68	21.09	19.56	17.62	15.84	14.64	14.21	1.445
.900	19.65	19.11	17.69	15.91	14.27	13.16	12.78	1.471
.925	17.78	17.28	15.98	14.33	12.83	11.83	11.48	1.496
.950	16.06	15.60	14.40	12.90	11.53	10.62	10.30	1.521
.975	14.48	14.06	12.96	11.59	10.36	9.54	9.27	1.546
1.000	13.03	12.64	11.65	10.41	9.31	8.60	8.36	1.571

MACH NO = 20.00 SPHERE ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	513.86	513.86	513.86	513.86	513.86	513.86	513.86	.000
.025	497.37	495.47	490.29	483.28	476.35	471.31	469.48	.224
.050	473.02	470.44	463.44	454.00	444.70	437.96	435.52	.318
.075	448.21	445.18	436.99	426.04	415.30	407.55	404.74	.390
.100	423.70	420.39	411.44	399.42	387.66	379.28	376.25	.451
.125	399.81	396.28	386.76	374.12	361.75	352.89	349.69	.505
.150	376.69	373.05	363.19	350.04	337.31	328.25	324.96	.555
.175	354.39	350.65	340.58	327.28	314.22	304.99	301.67	.601
.200	333.03	329.26	319.05	305.53	292.51	283.15	279.78	.644
.225	312.43	308.62	298.50	284.95	272.55	263.64	259.72	.684
.250	292.83	289.03	278.81	266.63	251.68	242.65	239.40	.723
.275	274.14	271.14	260.78	246.21	233.59	224.64	221.43	.760
.300	255.31	251.50	241.76	228.85	216.46	207.73	204.60	.795
.325	238.23	234.64	225.04	212.41	200.36	191.89	188.87	.830
.350	222.04	218.54	209.19	196.93	185.27	177.10	174.18	.863
.375	206.68	203.28	194.22	182.39	171.14	163.28	160.48	.896
.400	192.14	188.86	180.12	168.72	157.93	150.39	147.71	.927
.425	178.40	175.25	166.85	155.92	145.58	138.39	135.83	.958
.450	165.45	162.42	154.38	143.92	134.07	127.21	124.78	.988
.475	153.26	150.36	142.68	132.71	123.33	116.83	114.52	1.018
.500	141.80	139.03	131.71	122.24	113.34	107.18	105.00	1.047
.525	131.04	128.41	121.46	112.47	104.05	98.22	96.16	1.076
.550	120.95	118.46	111.87	103.36	95.41	89.92	87.98	1.104
.575	111.51	109.15	102.91	94.89	87.39	82.23	80.41	1.132
.600	102.67	100.45	94.56	87.00	79.97	75.13	73.42	1.159
.625	94.42	92.32	86.79	79.69	73.09	68.56	66.96	1.186
.650	86.73	84.76	79.56	72.90	66.73	62.49	61.00	1.213
.675	79.56	77.71	72.85	66.62	60.85	56.90	55.51	1.240
.700	72.90	71.17	66.62	60.80	55.42	51.75	50.45	1.266
.725	66.71	65.09	60.84	55.42	50.42	47.00	45.80	1.292
.750	60.97	59.46	55.50	50.45	45.80	42.63	41.52	1.318
.775	55.64	54.24	50.55	45.87	41.56	38.62	37.59	1.344
.800	50.71	49.41	45.99	41.64	37.65	34.94	33.99	1.369
.825	46.15	44.94	41.77	37.75	34.07	31.56	30.69	1.395
.850	41.94	40.82	37.89	34.18	30.78	28.47	27.67	1.420
.875	38.05	37.01	34.31	30.89	27.76	25.64	24.89	1.445
.900	34.47	33.52	31.02	27.88	24.99	23.04	22.37	1.471
.925	31.17	30.30	28.01	25.11	22.46	20.69	20.07	1.496
.950	28.15	27.34	25.23	22.57	20.17	18.57	18.02	1.521
.975	25.36	24.62	22.69	20.27	18.11	16.68	16.19	1.546
1.000	22.81	22.13	20.38	18.20	16.27	15.03	14.60	1.571

MACH NO = 25.00 SPHERE ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	802.81	802.81	802.81	802.81	802.81	802.81	802.81	.000
.025	777.03	774.06	765.97	755.01	744.16	736.29	733.42	.224
.050	738.96	734.92	723.98	709.21	694.68	684.20	680.39	.318
.075	700.15	695.43	682.68	665.46	648.67	636.58	632.20	.390
.100	661.78	656.62	642.64	623.90	605.55	592.38	587.61	.451
.125	624.51	619.00	604.13	584.27	564.84	550.98	545.99	.505
.150	588.31	582.58	567.09	546.54	526.67	512.48	507.33	.555
.175	553.33	547.49	531.79	510.96	490.52	476.02	470.82	.601
.200	519.97	514.07	498.08	476.88	456.47	442.02	436.78	.644
.225	487.72	481.76	465.84	444.80	425.43	410.98	404.78	.684
.250	456.96	451.10	435.27	415.75	392.66	378.56	373.47	.723
.275	428.11	423.10	406.46	384.13	364.38	350.40	345.38	.760
.300	398.01	392.37	377.17	356.97	337.60	323.95	319.07	.795
.325	371.64	366.03	351.02	331.28	312.44	299.21	294.48	.830
.350	346.33	340.85	326.24	307.09	288.86	276.08	271.52	.863
.375	322.31	317.00	302.85	284.35	266.78	254.50	250.12	.896
.400	299.59	294.46	280.81	263.00	246.14	234.37	230.18	.927
.425	278.13	273.19	260.07	243.00	226.86	215.62	211.62	.958
.450	257.89	253.16	240.60	224.27	208.87	198.17	194.37	.988
.475	238.85	234.32	222.32	206.75	192.11	181.96	178.35	1.018
.500	220.94	216.63	205.20	190.40	176.52	166.89	163.48	1.047
.525	204.14	200.04	189.18	175.15	162.00	152.91	149.70	1.076
.550	188.39	184.50	174.21	160.94	148.52	139.96	136.93	1.104
.575	173.65	169.97	160.24	147.70	136.02	127.97	125.13	1.132
.600	159.86	156.38	147.20	135.41	124.43	116.88	114.22	1.159
.625	146.98	143.71	135.08	124.00	113.70	106.64	104.15	1.186
.650	134.98	131.90	123.80	113.41	103.78	97.18	94.86	1.213
.675	123.81	120.92	113.32	103.61	94.62	88.47	86.30	1.240
.700	113.41	110.71	103.61	94.55	86.16	80.43	78.42	1.266
.725	103.76	101.24	94.61	86.16	78.36	73.04	71.17	1.292
.750	94.81	92.45	86.28	78.42	71.17	66.24	64.51	1.318
.775	86.50	84.32	78.58	71.27	64.56	59.99	58.39	1.344
.800	78.82	76.79	71.46	64.70	58.48	54.26	52.78	1.369
.825	71.72	69.83	64.90	58.64	52.89	49.01	47.64	1.395
.850	65.16	63.41	58.85	53.06	47.78	44.19	42.94	1.420
.875	59.10	57.49	53.28	47.96	43.09	39.79	38.64	1.445
.900	53.52	52.04	48.17	43.26	38.79	35.76	34.70	1.471
.925	48.40	47.03	43.47	38.97	34.85	32.07	31.11	1.496
.950	43.68	42.44	39.16	35.02	31.25	28.74	27.87	1.521
.975	39.36	38.21	35.20	31.41	28.01	25.75	24.99	1.546
1.000	35.38	34.33	31.58	28.16	25.11	23.13	22.45	1.571

MACH NO = 30.00 SPHERE ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	1155.84	1155.84	1155.84	1155.84	1155.84	1155.84	1155.84	.000
.025	1118.71	1114.43	1102.78	1087.00	1071.37	1060.03	1055.90	.224
.050	1063.88	1058.06	1042.30	1021.03	1000.09	984.99	979.50	.318
.075	1007.96	1001.17	982.81	957.99	933.80	916.39	910.07	.390
.100	952.70	945.25	925.12	898.11	871.66	852.68	845.81	.451
.125	898.98	891.04	869.62	840.99	812.99	793.02	785.82	.505
.150	846.82	838.56	816.23	786.61	757.96	737.49	730.07	.555
.175	796.40	787.98	765.34	735.30	705.83	684.93	677.41	.601
.200	748.30	739.79	716.73	686.16	656.72	635.87	628.32	.644
.225	701.79	693.20	670.23	639.89	611.47	590.35	581.78	.684
.250	657.43	648.97	626.13	597.12	565.08	544.69	537.33	.723
.275	615.65	607.92	584.07	552.72	524.23	504.07	496.85	.760
.300	572.79	564.67	542.68	513.55	485.63	465.97	458.94	.795
.325	534.71	526.61	504.97	476.53	449.39	430.35	423.54	.830
.350	498.22	490.32	469.26	441.68	415.46	397.07	390.51	.863
.375	463.61	455.95	435.58	408.97	383.68	365.99	359.69	.896
.400	430.89	423.51	403.87	378.24	353.96	337.01	330.98	.927
.425	400.01	392.91	374.02	349.43	326.20	310.01	304.26	.958
.450	370.88	364.06	345.97	322.46	300.30	284.90	279.43	.988
.475	343.46	336.94	319.66	297.25	276.18	261.56	256.37	1.018
.500	317.68	311.47	295.01	273.71	253.73	239.88	234.97	1.047
.525	293.49	287.58	271.95	251.77	232.84	219.77	215.14	1.076
.550	270.82	265.22	250.41	231.31	213.45	201.13	196.77	1.104
.575	249.60	244.30	230.30	212.27	195.46	183.88	179.79	1.132
.600	229.76	224.75	211.55	194.58	178.78	167.93	164.09	1.159
.625	211.23	206.52	194.10	178.16	163.35	153.19	149.61	1.186
.650	193.96	189.54	177.87	162.94	149.09	139.59	136.25	1.213
.675	177.89	173.74	162.81	148.84	135.90	127.05	123.94	1.240
.700	162.94	159.05	148.84	135.79	123.74	115.50	112.61	1.266
.725	149.05	145.42	135.89	123.74	112.52	104.86	102.18	1.292
.750	136.17	132.79	123.91	112.60	102.19	95.09	92.59	1.318
.775	124.23	121.08	112.83	102.33	92.67	86.11	83.81	1.344
.800	113.18	110.26	102.60	92.86	83.94	77.87	75.75	1.369
.825	102.96	100.26	93.16	84.16	75.92	70.32	68.35	1.395
.850	93.53	91.02	84.47	76.16	68.55	63.41	61.61	1.420
.875	84.83	82.52	76.47	68.81	61.82	57.08	55.42	1.445
.900	76.82	74.69	69.11	62.08	55.53	51.26	49.74	1.471
.925	69.45	67.48	62.37	55.89	49.96	45.99	44.62	1.496
.950	62.69	60.88	56.17	50.20	44.83	41.27	40.05	1.521
.975	56.46	54.80	50.46	45.06	40.25	37.10	36.03	1.546
1.000	50.73	49.21	45.29	40.45	36.21	33.48	32.56	1.571

MACH NO = 3.50 SPHERE ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	16.11	16.11	16.11	16.11	16.11	16.11	16.11	.000
.025	15.91	15.82	15.58	15.24	14.92	14.68	14.60	.224
.050	15.32	15.20	14.86	14.42	13.98	13.66	13.55	.318
.075	14.69	14.54	14.15	13.62	13.12	12.76	12.63	.390
.100	14.04	13.87	13.44	12.87	12.31	11.92	11.77	.451
.125	13.39	13.21	12.76	12.14	11.55	11.13	10.98	.505
.150	12.75	12.57	12.09	11.45	10.83	10.39	10.23	.555
.175	12.13	11.94	11.44	10.78	10.14	9.68	9.52	.601
.200	11.51	11.32	10.81	10.13	9.47	8.97	8.73	.644
.225	10.92	10.73	10.20	9.50	8.73	8.40	8.42	.684
.250	10.34	10.14	9.60	8.81	8.43	7.96	7.79	.723
.275	9.76	9.56	8.99	8.42	7.85	7.39	7.23	.760
.300	9.20	8.96	8.40	7.96	7.31	6.88	6.72	.795
.325	8.53	8.39	8.14	7.43	6.82	6.42	6.28	.830
.350	8.38	8.15	7.60	6.95	6.38	5.99	5.85	.863
.375	7.81	7.62	7.12	6.51	5.97	5.58	5.44	.896
.400	7.33	7.15	6.67	6.11	5.57	5.19	5.06	.927
.425	6.89	6.71	6.29	5.72	5.19	4.83	4.70	.958
.450	6.48	6.33	5.90	5.34	4.83	4.49	4.36	.988
.475	6.10	5.94	5.52	4.99	4.50	4.17	4.05	1.018
.500	5.73	5.57	5.17	4.65	4.18	3.87	3.75	1.047
.525	5.37	5.22	4.83	4.34	3.89	3.58	3.48	1.076
.550	5.03	4.89	4.51	4.04	3.61	3.32	3.22	1.104
.575	4.71	4.57	4.21	3.76	3.35	3.07	2.98	1.132
.600	4.40	4.27	3.93	3.50	3.11	2.84	2.75	1.159
.625	4.11	3.99	3.66	3.25	2.88	2.63	2.54	1.186
.650	3.84	3.72	3.41	3.02	2.66	2.43	2.35	1.213
.675	3.58	3.46	3.17	2.80	2.46	2.24	2.16	1.240
.700	3.33	3.22	2.94	2.59	2.27	2.06	1.99	1.266
.725	3.10	3.00	2.73	2.40	2.10	1.90	1.83	1.292
.750	2.88	2.78	2.53	2.22	1.93	1.75	1.68	1.318
.775	2.67	2.58	2.34	2.05	1.78	1.61	1.55	1.344
.800	2.48	2.39	2.17	1.89	1.64	1.47	1.42	1.369
.825	2.30	2.21	2.00	1.74	1.51	1.35	1.30	1.395
.850	2.12	2.05	1.85	1.60	1.38	1.24	1.19	1.420
.875	1.96	1.89	1.70	1.47	1.26	1.13	1.08	1.445
.900	1.81	1.74	1.57	1.35	1.16	1.03	.99	1.471
.925	1.67	1.60	1.44	1.24	1.06	.94	.90	1.496
.950	1.53	1.47	1.32	1.13	.97	.86	.83	1.521
.975	1.41	1.35	1.21	1.03	.88	.79	.76	1.546
1.000	1.29	1.24	1.11	.94	.81	.72	.70	1.571

MACH NO = 5.00 SPHERE ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	32.37	32.37	32.37	32.37	32.37	32.37	32.37	.000
.025	31.95	31.76	31.24	30.53	29.84	29.34	29.16	.224
.050	30.70	30.44	29.72	28.78	27.86	27.19	26.95	.318
.075	29.35	29.04	28.21	27.11	26.04	25.28	25.00	.390
.100	27.98	27.63	26.72	25.51	24.35	23.52	23.23	.451
.125	26.61	26.25	25.28	23.99	22.77	21.89	21.58	.505
.150	25.27	24.89	23.88	22.55	21.28	20.38	20.05	.555
.175	23.96	23.57	22.53	21.17	19.87	18.95	18.62	.601
.200	22.69	22.29	21.24	19.85	18.53	17.60	17.27	.644
.225	21.46	21.06	19.99	18.59	17.27	16.36	16.03	.684
.250	20.26	19.86	18.79	17.39	16.09	15.19	14.87	.723
.275	19.10	18.70	17.63	16.27	14.98	14.10	13.79	.760
.300	17.98	17.58	16.54	15.19	13.94	13.08	12.77	.795
.325	16.92	16.53	15.50	14.18	12.96	12.12	11.83	.830
.350	15.89	15.51	14.51	13.23	12.04	11.23	10.95	.863
.375	14.92	14.55	13.57	12.33	11.18	10.40	10.12	.896
.400	13.99	13.63	12.68	11.48	10.37	9.62	9.35	.927
.425	13.10	12.75	11.84	10.68	9.61	8.89	8.64	.958
.450	12.26	11.92	11.04	9.92	8.90	8.21	7.97	.988
.475	11.46	11.14	10.29	9.22	8.24	7.58	7.35	1.018
.500	10.70	10.39	9.58	8.55	7.62	6.99	6.77	1.047
.525	9.98	9.68	8.90	7.92	7.03	6.44	6.23	1.076
.550	9.30	9.02	8.27	7.34	6.49	5.93	5.73	1.104
.575	8.66	8.38	7.67	6.79	5.99	5.45	5.27	1.132
.600	8.05	7.79	7.11	6.27	5.51	5.01	4.83	1.159
.625	7.48	7.23	6.59	5.79	5.07	4.60	4.43	1.186
.650	6.94	6.70	6.09	5.34	4.66	4.22	4.06	1.213
.675	6.43	6.20	5.63	4.92	4.28	3.86	3.72	1.240
.700	5.95	5.74	5.20	4.52	3.93	3.53	3.40	1.266
.725	5.50	5.30	4.79	4.16	3.60	3.23	3.10	1.292
.750	5.08	4.89	4.41	3.82	3.29	2.95	2.83	1.318
.775	4.68	4.51	4.06	3.50	3.01	2.69	2.58	1.344
.800	4.31	4.15	3.73	3.21	2.75	2.45	2.35	1.369
.825	3.97	3.81	3.42	2.93	2.51	2.23	2.13	1.395
.850	3.64	3.50	3.13	2.68	2.28	2.02	1.93	1.420
.875	3.34	3.21	2.86	2.44	2.07	1.83	1.75	1.445
.900	3.06	2.94	2.62	2.22	1.88	1.66	1.59	1.471
.925	2.80	2.68	2.39	2.02	1.71	1.51	1.44	1.496
.950	2.56	2.45	2.17	1.84	1.55	1.37	1.31	1.521
.975	2.33	2.23	1.97	1.67	1.40	1.24	1.19	1.546
1.000	2.12	2.03	1.79	1.51	1.28	1.13	1.09	1.571

MACH NO = 10.00 SPHERE ANGLE OF ATTACK = 5.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	128.06	128.06	128.06	128.06	128.06	128.06	128.06	.000
.025	126.35	125.56	123.40	120.51	117.66	115.60	114.85	.224
.050	121.19	120.11	117.19	113.28	109.48	106.76	105.78	.318
.075	115.62	114.35	110.94	106.40	102.00	98.87	97.76	.390
.100	109.98	108.58	104.81	99.83	95.07	91.68	90.46	.451
.125	104.36	102.86	98.86	93.61	88.58	85.05	83.77	.505
.150	98.84	97.29	93.14	87.70	82.51	78.87	77.58	.555
.175	93.48	91.88	87.64	82.08	76.82	73.11	71.81	.601
.200	88.27	86.67	82.35	76.76	71.46	67.58	66.22	.644
.225	83.25	81.61	77.31	71.70	66.19	62.35	61.08	.684
.250	78.41	76.79	72.46	66.73	61.31	57.72	56.43	.723
.275	73.73	72.12	67.80	61.98	56.88	53.33	52.08	.760
.300	69.27	67.59	63.06	57.73	52.70	49.24	48.01	.795
.325	64.63	63.00	58.96	53.68	48.77	45.39	44.20	.830
.350	60.52	59.01	54.99	49.85	45.06	41.82	40.68	.863
.375	56.62	55.14	51.23	46.21	41.62	38.50	37.41	.896
.400	52.89	51.45	47.64	42.81	38.40	35.42	34.38	.927
.425	49.34	47.93	44.25	39.62	35.40	32.56	31.56	.958
.450	45.94	44.59	41.07	36.63	32.60	29.90	28.95	.988
.475	42.74	41.44	38.07	33.83	30.00	27.43	26.54	1.018
.500	39.72	38.48	35.25	31.22	27.58	25.14	24.30	1.047
.525	36.86	35.68	32.61	28.77	25.32	23.02	22.23	1.076
.550	34.17	33.05	30.13	26.49	23.23	21.06	20.31	1.104
.575	31.64	30.57	27.80	24.36	21.29	19.25	18.55	1.132
.600	29.26	28.25	25.63	22.38	19.49	17.58	16.92	1.159
.625	27.03	26.07	23.60	20.54	17.82	16.03	15.42	1.186
.650	24.94	24.03	21.70	18.82	16.28	14.61	14.03	1.213
.675	22.98	22.13	19.93	17.23	14.85	13.29	12.76	1.240
.700	21.14	20.34	18.28	15.76	13.54	12.09	11.59	1.266
.725	19.43	18.68	16.75	14.39	12.32	10.97	10.51	1.292
.750	17.84	17.13	15.33	13.13	11.20	9.95	9.52	1.318
.775	16.35	15.69	14.01	11.96	10.17	9.01	8.62	1.344
.800	14.97	14.35	12.79	10.88	9.23	8.15	7.79	1.369
.825	13.68	13.11	11.65	9.89	8.35	7.36	7.02	1.395
.850	12.49	11.96	10.61	8.97	7.55	6.64	6.33	1.420
.875	11.38	10.89	9.64	8.13	6.82	5.97	5.69	1.445
.900	10.36	9.90	8.75	7.35	6.14	5.37	5.12	1.471
.925	9.41	8.99	7.92	6.64	5.53	4.83	4.60	1.496
.950	8.54	8.15	7.16	5.98	4.97	4.36	4.15	1.521
.975	7.73	7.37	6.47	5.38	4.48	3.94	3.76	1.546
1.000	6.99	6.66	5.82	4.85	4.05	3.58	3.44	1.571

MACH NO = 15.00 SPHERE ANGLE OF ATTACK = 5.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	287.54	287.54	287.54	287.54	287.54	287.54	287.54	.000
.025	283.69	281.89	277.03	270.48	264.04	259.40	257.72	.224
.050	272.03	269.58	262.98	254.14	245.54	239.40	237.17	.318
.075	259.46	256.58	248.83	238.58	228.63	221.54	218.99	.390
.100	246.65	243.49	234.99	223.73	212.92	205.27	202.51	.451
.125	233.97	230.58	221.52	209.66	198.24	190.24	187.39	.505
.150	221.47	217.94	208.58	196.24	184.56	176.26	173.30	.555
.175	209.35	205.73	196.10	183.59	171.58	163.25	160.29	.601
.200	197.55	193.89	184.20	171.45	159.48	152.83	149.89	.644
.225	186.21	182.54	172.70	160.04	149.81	139.02	136.12	.684
.250	175.19	171.51	161.79	151.09	136.65	128.50	125.61	.723
.275	164.64	161.01	153.01	138.19	126.63	118.61	115.78	.760
.300	154.53	152.69	140.63	128.55	117.18	109.37	106.61	.795
.325	144.87	140.49	131.31	119.38	108.32	100.75	98.09	.830
.350	134.86	131.43	122.35	110.75	100.02	92.73	90.18	.863
.375	126.04	122.68	113.85	102.59	92.28	85.28	82.84	.896
.400	117.61	114.35	105.79	94.95	85.05	78.36	76.03	.927
.425	109.60	106.44	98.19	87.79	78.32	71.94	69.72	.958
.450	101.99	98.95	91.04	81.08	72.05	65.98	63.87	.988
.475	94.79	91.89	84.31	74.80	66.21	60.46	58.47	1.018
.500	88.00	85.22	77.99	68.94	60.79	55.35	53.47	1.047
.525	81.60	78.94	72.05	63.46	55.75	50.62	48.84	1.076
.550	75.57	73.04	66.50	58.36	51.08	46.25	44.58	1.104
.575	69.89	67.50	61.30	53.61	46.74	42.21	40.65	1.132
.600	64.57	62.30	56.44	49.18	42.74	38.49	37.03	1.159
.625	59.57	57.43	51.90	45.07	39.03	35.06	33.69	1.186
.650	54.89	52.87	47.66	41.26	35.61	31.90	30.63	1.213
.675	50.52	48.61	43.72	37.73	32.45	28.99	27.81	1.240
.700	46.43	44.64	40.06	34.46	29.53	26.32	25.22	1.266
.725	42.62	40.94	36.66	31.43	26.85	23.86	22.85	1.292
.750	39.07	37.50	33.51	28.63	24.37	21.61	20.67	1.318
.775	35.77	34.31	30.58	26.05	22.10	19.54	18.67	1.344
.800	32.70	31.34	27.87	23.67	20.01	17.65	16.85	1.369
.825	29.85	28.59	25.37	21.47	18.09	15.92	15.18	1.395
.850	27.21	26.04	23.06	19.45	16.34	14.33	13.65	1.420
.875	24.77	23.68	20.92	17.60	14.72	12.88	12.26	1.445
.900	22.51	21.50	18.96	15.89	13.25	11.56	11.00	1.471
.925	20.42	19.50	17.15	14.32	11.90	10.38	9.88	1.496
.950	18.49	17.64	15.48	12.89	10.69	9.34	8.89	1.521
.975	16.72	15.94	13.95	11.58	9.61	8.42	8.04	1.546
1.000	15.09	14.37	12.55	10.41	8.66	7.64	7.31	1.571

MACH NO = 20.00 SPHERE ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	510.82	510.82	510.82	510.82	510.82	510.82	510.82	.000
.025	503.96	500.76	492.10	480.44	468.98	460.71	457.71	.224
.050	483.21	478.85	467.09	451.36	435.99	425.04	421.09	.318
.075	460.80	455.68	441.88	423.59	405.88	393.23	388.68	.390
.100	437.98	432.33	417.21	397.14	377.86	364.21	359.30	.451
.125	415.38	409.36	393.20	372.02	351.67	337.38	332.29	.505
.150	393.11	386.82	370.11	348.10	327.22	312.42	307.17	.555
.175	371.48	365.03	347.84	325.49	304.13	289.23	283.87	.601
.200	350.42	343.89	326.59	303.90	282.43	268.67	263.11	.644
.225	330.19	323.61	306.11	283.43	262.98	246.45	241.23	.684
.250	310.52	303.99	286.60	265.18	242.18	227.62	222.45	.723
.275	291.75	285.18	269.09	244.9[illegible]	224.27	209.98	204.94	.760
.300	273.86	268.35	249.38	227.6[illegible]	207.44	193.55	188.66	.795
.325	255.61	249.14	232.63	211.37	191.68	178.24	173.52	.830
.350	238.98	232.83	216.64	195.99	176.96	164.01	159.47	.863
.375	223.22	217.23	201.50	181.53	163.20	150.77	146.42	.896
.400	208.21	202.40	187.20	167.95	150.36	138.48	134.33	.927
.425	193.95	188.35	173.70	155.22	138.40	127.07	123.13	.958
.450	180.45	175.05	160.99	143.30	127.26	116.50	112.76	.988
.475	167.67	162.50	149.04	132.16	116.91	106.71	103.17	1.018
.500	155.60	150.66	137.81	121.75	107.29	97.64	94.30	1.047
.525	144.22	139.51	127.28	112.03	98.35	89.26	86.11	1.076
.550	133.51	129.03	117.42	102.98	90.07	81.51	78.56	1.104
.575	123.44	119.19	108.19	94.55	82.39	74.36	71.60	1.132
.600	113.99	109.97	99.56	86.71	75.29	67.77	65.19	1.159
.625	105.13	101.33	91.52	79.43	68.73	61.70	59.29	1.186
.650	96.83	93.25	84.02	72.68	62.67	56.12	53.86	1.213
.675	89.07	85.70	77.04	66.43	57.08	50.98	48.88	1.240
.700	81.83	78.67	70.56	60.64	51.93	46.25	44.31	1.266
.725	75.08	72.12	64.54	55.28	47.18	41.91	40.11	1.292
.750	68.80	66.03	58.95	50.34	42.81	37.93	36.27	1.318
.775	62.95	60.37	53.78	45.77	38.80	34.29	32.75	1.344
.800	57.53	55.12	48.99	41.56	35.11	30.95	29.53	1.369
.825	52.49	50.26	44.57	37.69	31.73	27.89	26.59	1.395
.850	47.82	45.76	40.49	34.13	28.63	25.10	23.90	1.420
.875	43.51	41.59	36.72	30.85	25.79	22.54	21.45	1.445
.900	39.52	37.74	33.25	27.85	23.19	20.23	19.24	1.471
.925	35.83	34.20	30.06	25.09	20.83	18.16	17.27	1.496
.950	32.43	30.93	27.13	22.56	18.70	16.31	15.54	1.521
.975	29.31	27.93	24.43	20.26	16.80	14.71	14.04	1.546
1.000	26.43	25.17	21.96	18.20	15.13	13.34	12.77	1.571

MACH NO = 25.00 SPHERE ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	798.06	798.06	798.06	798.06	798.06	798.06	798.06	.000
.025	787.33	782.34	768.80	750.57	732.64	719.71	715.02	.224
.050	754.89	748.07	729.68	705.07	681.12	663.89	657.71	.318
.075	719.85	711.84	690.31	661.62	633.97	614.25	607.15	.390
.100	684.24	675.37	651.65	620.35	590.14	568.70	561.00	.451
.125	648.79	639.39	614.20	580.97	549.09	526.78	518.80	.505
.150	614.05	604.22	577.97	543.51	510.87	487.71	479.46	.555
.175	580.12	569.98	543.11	508.16	474.68	451.42	443.14	.601
.200	547.15	536.94	509.89	474.31	440.90	419.04	410.12	.644
.225	515.51	505.21	477.79	442.45	409.92	384.51	376.34	.684
.250	484.73	474.46	447.35	413.42	377.82	355.05	346.97	.723
.275	455.29	445.17	419.73	382.16	349.81	327.48	319.60	.760
.300	427.64	418.53	389.10	355.17	323.50	301.79	294.15	.795
.325	398.44	388.72	362.88	329.64	298.88	277.88	270.50	.830
.350	372.81	363.20	337.89	305.60	275.86	255.63	248.54	.863
.375	348.18	338.81	314.23	283.01	254.37	234.96	228.17	.896
.400	324.71	315.63	291.87	261.80	234.32	215.76	209.28	.927
.425	302.43	293.67	270.78	241.91	215.64	197.95	191.79	.958
.450	281.32	272.89	250.93	223.30	198.25	181.45	175.61	.988
.475	261.35	253.28	232.25	205.89	182.08	166.16	160.63	1.018
.500	242.51	234.78	214.71	189.63	167.06	152.00	146.79	1.047
.525	224.73	217.37	198.27	174.47	153.11	138.92	134.01	1.076
.550	208.00	201.00	182.87	160.34	140.19	126.84	122.23	1.104
.575	192.28	185.64	168.47	147.18	128.22	115.69	111.38	1.132
.600	177.53	171.24	155.01	134.95	117.15	105.42	101.39	1.159
.625	163.69	157.76	142.45	123.60	106.91	95.95	92.19	1.186
.650	150.74	145.15	130.75	113.07	97.47	87.24	83.74	1.213
.675	138.64	133.38	119.87	103.32	88.75	79.23	75.98	1.240
.700	127.34	122.41	109.76	94.29	80.72	71.87	68.85	1.266
.725	116.81	112.20	100.37	85.95	73.32	65.12	62.31	1.292
.750	107.01	102.70	91.67	78.24	66.52	58.92	56.33	1.318
.775	97.90	93.88	83.61	71.12	60.27	53.23	50.85	1.344
.800	89.44	85.70	76.15	64.57	54.52	48.05	45.84	1.369
.825	81.60	78.12	69.26	58.54	49.27	43.29	41.27	1.395
.850	74.33	71.10	62.89	52.99	44.44	38.95	37.08	1.420
.875	67.60	64.62	57.03	47.90	40.04	34.97	33.26	1.445
.900	61.38	58.63	51.63	43.22	35.99	31.35	29.80	1.471
.925	55.65	53.10	46.66	38.94	32.29	28.09	26.69	1.496
.950	50.37	48.03	42.11	35.00	28.94	25.18	23.94	1.521
.975	45.49	43.35	37.92	31.41	25.95	22.62	21.55	1.546
1.000	41.03	39.06	34.07	28.16	23.30	20.42	19.50	1.571

MACH NO = 30.00 SPHERE ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	1149.01	1149.01	1149.01	1149.01	1149.01	1149.01	1149.01	.000
.025	1133.55	1126.36	1106.86	1080.60	1054.77	1036.15	1029.39	.224
.050	1086.82	1077.01	1050.51	1015.06	980.56	955.74	946.82	.318
.075	1036.35	1024.81	993.79	952.45	912.62	884.20	873.96	.390
.100	985.04	972.27	938.10	892.99	849.46	818.54	807.45	.451
.125	933.98	920.43	884.13	836.24	790.29	758.12	746.62	.505
.150	883.92	869.75	831.90	782.24	735.18	701.77	689.89	.555
.175	835.00	820.39	781.66	731.27	682.98	649.43	637.49	.601
.200	787.48	772.77	733.76	682.46	634.25	601.89	589.15	.644
.225	741.87	727.01	687.47	636.49	588.86	553.28	541.48	.684
.250	697.48	682.68	643.57	593.79	543.62	510.78	499.14	.723
.275	655.02	640.41	602.90	549.89	503.23	471.06	459.70	.760
.300	614.91	601.14	559.92	510.95	465.33	434.06	423.07	.795
.325	573.35	559.37	522.06	474.17	429.88	399.65	389.03	.830
.350	536.39	522.53	486.06	439.55	396.75	367.62	357.41	.863
.375	500.87	487.37	451.96	407.04	365.81	337.86	328.08	.896
.400	467.06	453.98	419.79	376.50	336.94	310.22	300.89	.927
.425	434.98	422.38	389.44	347.87	310.04	284.58	275.71	.958
.450	404.61	392.48	360.85	321.07	285.01	260.83	252.42	.988
.475	375.86	364.23	333.96	296.01	261.74	238.82	230.87	1.018
.500	348.72	337.60	308.71	272.61	240.12	218.46	210.95	1.047
.525	323.13	312.53	285.03	250.79	220.05	199.63	192.57	1.076
.550	299.05	288.97	262.88	230.44	201.45	182.25	175.63	1.104
.575	276.42	266.86	242.15	211.51	184.23	166.22	160.01	1.132
.600	255.19	246.14	222.78	193.92	168.30	151.43	145.63	1.159
.625	235.28	226.73	204.71	177.58	153.58	137.82	132.41	1.186
.650	216.64	208.59	187.88	162.44	140.00	125.30	120.25	1.213
.675	199.23	191.66	172.23	148.41	127.46	113.78	109.09	1.240
.700	182.98	175.88	157.68	135.43	115.91	103.19	98.84	1.266
.725	167.83	161.19	144.17	123.43	105.27	93.47	89.45	1.292
.750	153.73	147.53	131.66	112.34	95.49	84.57	80.84	1.318
.775	140.62	134.84	120.06	102.12	86.51	76.41	72.97	1.344
.800	128.46	123.08	109.34	92.69	78.26	68.93	65.77	1.369
.825	117.17	112.17	99.43	84.02	70.69	62.12	59.20	1.395
.850	106.71	102.08	90.28	76.05	63.77	55.87	53.17	1.420
.875	97.05	92.75	81.85	68.72	57.42	50.14	47.69	1.445
.900	88.11	84.15	74.10	62.02	51.59	44.97	42.77	1.471
.925	79.86	76.22	66.95	55.85	46.30	40.36	38.40	1.496
.950	72.28	68.91	60.41	50.18	41.56	36.30	34.59	1.521
.975	65.29	62.21	54.38	45.05	37.37	32.79	31.33	1.546
1.000	58.86	56.03	48.84	40.45	33.71	29.82	28.62	1.571

MACH NO = 3.50 SPHERE ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	15.71	15.71	15.71	15.71	15.71	15.71	15.71	.000
.025	16.20	16.02	15.52	14.87	14.24	13.79	13.63	.224
.050	15.88	15.63	14.95	14.07	13.22	12.63	12.42	.318
.075	15.44	15.14	14.34	13.30	12.32	11.64	11.40	.390
.100	14.93	14.60	13.71	12.57	11.49	10.75	10.49	.451
.125	14.40	14.04	13.08	11.86	10.72	9.93	9.64	.505
.150	13.85	13.46	12.47	11.18	9.99	9.15	8.76	.555
.175	13.29	12.89	11.85	10.53	9.29	8.38	8.39	.601
.200	12.73	12.33	11.26	9.90	8.51	7.97	7.66	.644
.225	12.18	11.76	10.68	9.29	8.23	7.35	7.07	.684
.250	11.63	11.21	10.11	8.57	7.61	6.79	6.53	.723
.275	11.09	10.67	9.55	8.39	7.08	6.32	6.06	.760
.300	10.56	10.13	8.96	7.78	6.59	5.86	5.60	.795
.325	10.03	9.59	8.40	7.28	6.16	5.43	5.18	.830
.350	9.50	9.07	8.19	6.81	5.74	5.03	4.79	.863
.375	8.95	8.46	7.65	6.40	5.34	4.66	4.42	.896
.400	8.41	8.34	7.19	6.00	4.97	4.31	4.09	.927
.425	8.23	7.78	6.76	5.62	4.62	3.98	3.77	.958
.450	7.73	7.33	6.38	5.25	4.29	3.68	3.48	.988
.475	7.28	6.91	6.00	4.91	3.98	3.40	3.21	1.018
.500	6.86	6.51	5.64	4.58	3.70	3.14	2.96	1.047
.525	6.48	6.15	5.29	4.27	3.43	2.90	2.72	1.076
.550	6.12	5.79	4.96	3.98	3.17	2.67	2.51	1.104
.575	5.76	5.44	4.64	3.71	2.94	2.46	2.30	1.132
.600	5.42	5.11	4.34	3.45	2.72	2.27	2.12	1.159
.625	5.09	4.79	4.06	3.21	2.51	2.08	1.94	1.186
.650	4.78	4.49	3.79	2.98	2.32	1.92	1.78	1.213
.675	4.48	4.21	3.54	2.77	2.14	1.76	1.63	1.240
.700	4.19	3.93	3.30	2.56	1.97	1.61	1.50	1.266
.725	3.92	3.68	3.07	2.37	1.81	1.48	1.37	1.292
.750	3.66	3.43	2.85	2.20	1.67	1.35	1.25	1.318
.775	3.42	3.20	2.65	2.03	1.53	1.24	1.14	1.344
.800	3.19	2.98	2.46	1.87	1.41	1.13	1.04	1.369
.825	2.97	2.77	2.28	1.73	1.29	1.03	.95	1.395
.850	2.76	2.57	2.11	1.59	1.18	.94	.87	1.420
.875	2.56	2.38	1.95	1.46	1.08	.86	.79	1.445
.900	2.38	2.21	1.80	1.34	.99	.79	.73	1.471
.925	2.20	2.04	1.66	1.23	.90	.72	.67	1.496
.950	2.04	1.89	1.53	1.13	.83	.67	.62	1.521
.975	1.88	1.74	1.40	1.03	.76	.62	.58	1.546
1.000	1.73	1.60	1.29	.94	.70	.58	.55	1.571

MACH NO = 5.00 SPHERE ANGLE OF ATTACK = 10.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	31.52	31.52	31.52	31.52	31.52	31.52	31.52	.000
.025	32.56	32.17	31.13	29.74	28.40	27.45	27.11	.224
.050	31.89	31.35	29.91	28.04	26.26	25.02	24.58	.318
.075	30.94	30.30	28.61	26.42	24.37	22.95	22.45	.390
.100	29.87	29.16	27.28	24.88	22.65	21.11	20.57	.451
.125	28.74	27.97	25.96	23.41	21.05	19.44	18.87	.505
.150	27.57	26.77	24.67	22.00	19.56	17.90	17.32	.555
.175	26.40	25.57	23.40	20.67	18.16	16.50	15.92	.601
.200	25.23	24.38	22.16	19.38	16.87	15.21	14.63	.644
.225	24.07	23.21	20.97	18.16	15.66	14.02	13.45	.684
.250	22.93	22.06	19.80	17.00	14.53	12.92	12.37	.723
.275	21.81	20.94	18.68	15.90	13.48	11.91	11.37	.760
.300	20.72	19.84	17.59	14.87	12.50	10.97	10.45	.795
.325	19.64	18.77	16.56	13.88	11.58	10.10	9.60	.830
.350	18.59	17.73	15.56	12.96	10.72	9.29	8.81	.863
.375	17.57	16.74	14.62	12.08	9.92	8.55	8.09	.896
.400	16.60	15.78	13.71	11.26	9.17	7.86	7.42	.927
.425	15.66	14.86	12.85	10.48	8.47	7.22	6.80	.958
.450	14.75	13.98	12.03	9.74	7.82	6.63	6.23	.988
.475	13.89	13.14	11.26	9.05	7.22	6.08	5.71	1.018
.500	13.05	12.33	10.52	8.40	6.65	5.58	5.22	1.047
.525	12.26	11.56	9.82	7.79	6.13	5.11	4.78	1.076
.550	11.50	10.83	9.15	7.22	5.64	4.68	4.36	1.104
.575	10.77	10.13	8.52	6.68	5.19	4.28	3.98	1.132
.600	10.08	9.46	7.93	6.18	4.77	3.91	3.63	1.159
.625	9.42	8.83	7.37	5.71	4.37	3.57	3.31	1.186
.650	8.79	8.23	6.84	5.27	4.01	3.26	3.01	1.213
.675	8.20	7.66	6.34	4.86	3.67	2.97	2.74	1.240
.700	7.63	7.12	5.88	4.47	3.36	2.70	2.49	1.266
.725	7.10	6.62	5.44	4.11	3.07	2.46	2.26	1.292
.750	6.59	6.14	5.02	3.78	2.81	2.23	2.05	1.318
.775	6.12	5.69	4.64	3.47	2.56	2.03	1.85	1.344
.800	5.67	5.26	4.27	3.18	2.33	1.83	1.68	1.369
.825	5.24	4.86	3.94	2.91	2.12	1.66	1.52	1.395
.850	4.85	4.49	3.62	2.66	1.92	1.50	1.38	1.420
.875	4.47	4.14	3.32	2.43	1.75	1.36	1.25	1.445
.900	4.12	3.81	3.05	2.22	1.58	1.24	1.14	1.471
.925	3.79	3.50	2.79	2.02	1.44	1.13	1.05	1.496
.950	3.48	3.21	2.55	1.83	1.31	1.04	.97	1.521
.975	3.19	2.94	2.33	1.66	1.19	.96	.91	1.546
1.000	2.93	2.69	2.12	1.51	1.09	.90	.86	1.571

MACH NO = 10.00 SPHERE ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	124.56	124.56	124.56	124.56	124.56	124.56	124.56	.000
.025	128.86	127.26	122.95	117.25	111.74	107.84	106.44	.224
.050	126.08	123.87	117.97	110.25	102.92	97.82	96.00	.318
.075	122.19	119.56	112.59	103.58	95.16	89.33	87.29	.390
.100	117.78	114.84	107.13	97.24	88.10	81.84	79.65	.451
.125	113.11	109.96	101.69	91.21	81.60	75.09	72.79	.505
.150	108.33	105.01	96.37	85.50	75.59	68.94	66.41	.555
.175	103.49	100.06	91.16	80.04	70.02	62.89	60.62	.601
.200	98.68	95.19	86.14	74.87	64.44	57.78	55.48	.644
.225	93.93	90.39	81.25	69.99	59.60	53.01	50.75	.684
.250	89.25	85.72	76.57	65.00	55.08	48.60	46.37	.723
.275	84.70	81.13	72.04	60.56	50.85	44.51	42.37	.760
.300	80.23	76.72	67.61	56.41	46.89	40.77	38.71	.795
.325	75.91	72.41	63.12	52.47	43.20	37.32	35.34	.830
.350	71.71	68.25	59.21	48.75	39.79	34.14	32.25	.863
.375	67.55	63.89	55.42	45.21	36.61	31.22	29.42	.896
.400	63.30	60.08	51.79	41.91	33.66	28.52	26.82	.927
.425	59.59	56.40	48.33	38.82	30.93	26.05	24.43	.958
.450	55.97	52.86	45.03	35.91	28.39	23.76	22.24	.988
.475	52.48	49.47	41.92	33.19	26.04	21.66	20.23	1.018
.500	49.14	46.21	38.98	30.64	23.86	19.73	18.39	1.047
.525	45.93	43.13	36.20	28.26	21.84	17.96	16.70	1.076
.550	42.88	40.20	33.58	26.04	19.97	16.34	15.16	1.104
.575	39.98	37.42	31.12	23.97	18.25	14.85	13.74	1.132
.600	37.24	34.80	28.80	22.03	16.66	13.48	12.45	1.159
.625	34.63	32.31	26.62	20.23	15.20	12.22	11.27	1.186
.650	32.17	29.96	24.58	18.56	13.84	11.08	10.19	1.213
.675	29.84	27.75	22.66	17.01	12.60	10.02	9.20	1.240
.700	27.64	25.67	20.87	15.56	11.45	9.06	8.30	1.266
.725	25.57	23.71	19.20	14.23	10.40	8.18	7.48	1.292
.750	23.63	21.87	17.64	12.99	9.43	7.38	6.73	1.318
.775	21.80	20.15	16.18	11.85	8.54	6.64	6.04	1.344
.800	20.08	18.53	14.82	10.79	7.73	5.97	5.43	1.369
.825	18.47	17.03	13.56	9.81	6.98	5.37	4.87	1.395
.850	16.97	15.62	12.39	8.91	6.29	4.83	4.38	1.420
.875	15.56	14.31	11.31	8.08	5.66	4.35	3.96	1.445
.900	14.25	13.08	10.30	7.32	5.10	3.93	3.60	1.471
.925	13.03	11.95	9.37	6.61	4.59	3.57	3.30	1.496
.950	11.90	10.89	8.51	5.96	4.15	3.28	3.06	1.521
.975	10.84	9.91	7.71	5.38	3.76	3.05	2.88	1.546
1.000	9.86	9.01	6.98	4.85	3.44	2.87	2.76	1.571

MACH NO = 15.00 SPHERE ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	279.65	279.65	279.65	279.65	279.65	279.65	279.65	.000
.025	289.35	285.73	276.01	263.11	250.63	241.02	238.65	.224
.050	283.08	278.09	264.75	247.28	230.73	219.13	215.02	.318
.075	274.28	268.34	252.57	232.22	213.13	199.96	195.30	.390
.100	264.31	257.69	240.23	217.83	197.14	183.05	178.03	.451
.125	253.75	246.62	227.93	204.20	182.50	167.69	162.54	.505
.150	242.93	235.44	215.85	191.23	168.83	154.26	150.37	.555
.175	232.01	224.24	204.11	178.92	156.21	140.25	135.09	.601
.200	221.10	213.20	192.70	167.20	144.02	128.65	123.45	.644
.225	210.37	202.34	181.71	156.13	132.76	117.88	112.77	.684
.250	199.77	191.74	171.02	146.21	122.54	107.94	102.95	.723
.275	189.46	181.45	160.81	134.95	113.01	98.79	93.97	.760
.300	179.37	171.36	152.73	125.56	104.11	90.37	85.73	.795
.325	169.53	161.67	140.76	116.66	95.84	82.63	78.19	.830
.350	160.05	153.60	131.89	108.27	88.16	75.50	71.26	.863
.375	152.63	142.38	123.31	100.36	81.03	68.94	64.91	.896
.400	141.16	133.86	115.13	92.94	74.42	62.91	59.09	.927
.425	132.76	125.53	107.34	85.98	68.29	57.37	53.76	.958
.450	124.56	117.54	99.94	79.46	62.61	52.27	48.86	.988
.475	116.69	109.90	92.95	73.36	57.35	47.59	44.39	1.018
.500	109.16	102.60	86.35	67.65	52.48	43.29	40.29	1.047
.525	101.95	95.67	80.12	62.33	47.98	39.35	36.54	1.076
.550	95.11	89.09	74.24	57.35	43.82	35.74	33.12	1.104
.575	88.61	82.86	68.72	52.72	39.99	32.43	29.99	1.132
.600	82.44	76.96	63.53	48.41	36.46	29.40	27.13	1.159
.625	76.59	71.39	58.66	44.40	33.21	26.63	24.51	1.186
.650	71.07	66.13	54.09	40.68	30.21	24.09	22.13	1.213
.675	65.86	61.18	49.82	37.22	27.45	21.77	19.96	1.240
.700	60.94	56.53	45.82	34.03	24.92	19.65	17.97	1.266
.725	56.31	52.15	42.10	31.06	22.60	17.72	16.17	1.292
.750	51.96	48.05	38.62	28.33	20.46	15.96	14.53	1.318
.775	47.88	44.21	35.39	25.80	18.50	14.34	13.03	1.344
.800	44.05	40.62	32.39	23.46	16.71	12.88	11.68	1.369
.825	40.48	37.27	29.59	21.30	15.07	11.55	10.47	1.395
.850	37.14	34.15	27.00	19.32	13.57	10.37	9.40	1.420
.875	34.02	31.24	24.60	17.50	12.20	9.32	8.47	1.445
.900	31.12	28.53	22.38	15.82	10.96	8.40	7.67	1.471
.925	28.41	26.02	20.33	14.27	9.86	7.62	7.01	1.496
.950	25.90	23.69	18.43	12.86	8.88	6.97	6.48	1.521
.975	23.57	21.52	16.68	11.57	8.04	6.45	6.08	1.546
1.000	21.41	19.53	15.07	10.41	7.32	6.06	5.81	1.571

MACH NO = 20.00 SPHERE ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	496.78	496.78	496.78	496.78	496.78	496.78	496.78	.000
.025	514.04	507.61	490.29	467.31	445.12	429.36	423.72	.224
.050	502.89	493.99	470.24	439.10	409.62	388.94	381.61	.318
.075	487.21	476.63	448.57	412.27	378.23	354.74	346.42	.390
.100	469.46	457.66	426.52	386.61	349.70	324.53	315.57	.451
.125	450.66	437.92	404.63	362.30	323.54	297.20	287.95	.505
.150	431.33	418.00	383.08	339.16	299.23	272.84	263.91	.555
.175	411.90	398.06	362.14	317.17	276.53	248.68	239.38	.601
.200	392.44	378.35	341.76	296.33	254.71	227.88	218.61	.644
.225	373.30	358.99	322.14	276.39	235.22	208.68	199.58	.684
.250	354.41	340.05	303.13	257.58	216.99	191.01	182.16	.723
.275	335.99	321.66	284.83	239.14	200.01	174.76	166.20	.760
.300	317.97	303.73	268.45	222.36	184.21	159.81	151.57	.795
.325	300.49	286.38	249.62	206.52	169.52	146.05	138.16	.830
.350	283.46	270.59	233.67	191.59	155.88	133.39	125.87	.863
.375	268.22	252.60	218.36	177.56	143.22	121.75	114.60	.896
.400	250.33	237.19	203.78	164.38	131.48	111.05	104.28	.927
.425	235.21	222.32	189.94	152.01	120.59	101.22	94.81	.958
.450	220.58	208.08	176.82	140.43	110.51	92.18	86.15	.988
.475	206.56	194.49	164.40	129.59	101.18	83.88	78.22	1.018
.500	193.16	181.54	152.66	119.47	92.55	76.27	70.96	1.047
.525	180.39	169.22	141.59	110.01	84.58	69.30	64.33	1.076
.550	168.23	157.54	131.16	101.19	77.22	62.91	58.27	1.104
.575	156.67	146.46	121.36	92.98	70.43	57.05	52.73	1.132
.600	145.71	135.99	112.15	85.34	64.18	51.70	47.67	1.159
.625	135.34	126.10	103.51	78.24	58.43	46.79	43.06	1.186
.650	125.53	116.77	95.41	71.65	53.13	42.31	38.85	1.213
.675	116.28	107.99	87.84	65.54	48.26	38.21	35.02	1.240
.700	107.55	99.73	80.78	59.87	43.78	34.48	31.52	1.266
.725	99.35	91.97	74.16	54.64	39.67	31.07	28.34	1.292
.750	91.63	84.71	68.01	49.80	35.91	27.96	25.44	1.318
.775	84.40	77.91	62.29	45.32	32.45	25.12	22.81	1.344
.800	77.63	71.55	56.97	41.20	29.30	22.54	20.43	1.369
.825	71.29	65.62	52.04	37.39	26.40	20.21	18.31	1.395
.850	65.38	60.09	47.45	33.89	23.76	18.12	16.43	1.420
.875	59.86	54.94	43.21	30.67	21.35	16.28	14.79	1.445
.900	54.73	50.16	39.29	27.72	19.17	14.67	13.40	1.471
.925	49.95	45.72	35.66	25.00	17.23	13.30	12.24	1.496
.950	45.51	41.60	32.32	22.51	15.52	12.17	11.32	1.521
.975	41.40	37.78	29.24	20.24	14.04	11.27	10.62	1.546
1.000	37.58	34.26	26.40	18.20	12.79	10.59	10.16	1.571

MACH NO = 25.00 SPHERE ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	776.10	776.10	776.10	776.10	776.10	776.10	776.10	.000
.025	803.10	793.03	765.97	730.04	695.33	670.69	661.82	.224
.050	785.66	771.75	734.61	685.98	639.80	607.54	596.04	.318
.075	761.15	744.61	700.71	643.93	590.73	553.87	540.89	.390
.100	733.40	714.93	666.22	603.91	546.02	506.65	492.64	.451
.125	703.98	684.14	632.03	565.71	505.11	463.80	449.45	.505
.150	673.78	652.88	598.37	529.55	466.97	425.91	411.40	.555
.175	643.35	621.77	565.45	495.14	431.71	388.00	373.44	.601
.200	613.02	590.92	533.63	462.43	397.21	355.46	340.96	.644
.225	582.97	560.52	502.91	431.49	366.94	325.44	311.22	.684
.250	553.36	530.96	473.10	401.30	338.43	297.83	284.00	.723
.275	524.59	502.17	444.61	373.06	311.89	272.44	259.06	.760
.300	496.39	474.06	418.69	346.83	287.20	249.08	235.21	.795
.325	468.95	447.01	389.48	322.07	264.25	227.58	215.26	.830
.350	442.49	422.19	364.51	298.74	242.95	207.81	196.07	.863
.375	418.31	394.04	340.58	276.81	223.17	189.64	178.48	.896
.400	390.59	370.01	317.79	256.21	204.82	172.94	162.36	.927
.425	366.91	346.77	296.15	236.90	187.83	157.58	147.59	.958
.450	344.05	324.51	275.65	218.81	172.10	143.48	134.07	.988
.475	322.14	303.26	256.24	201.88	157.53	130.54	121.70	1.018
.500	301.19	283.02	237.91	186.07	144.06	118.68	110.39	1.047
.525	281.23	263.78	220.62	171.32	131.63	107.80	100.05	1.076
.550	262.22	245.53	204.34	157.55	120.15	97.83	90.60	1.104
.575	244.18	228.23	189.03	144.73	109.57	88.71	81.97	1.132
.600	227.06	211.87	174.65	132.81	99.82	80.35	74.09	1.159
.625	210.85	196.42	161.16	121.73	90.85	72.72	66.90	1.186
.650	195.54	181.87	148.52	111.46	82.59	65.74	60.35	1.213
.675	181.09	168.16	136.71	101.93	75.00	59.36	54.37	1.240
.700	167.48	155.26	125.67	93.11	68.03	53.53	48.94	1.266
.725	154.66	143.16	115.38	84.94	61.62	48.23	43.99	1.292
.750	142.63	131.83	105.79	77.40	55.76	43.40	39.49	1.318
.775	131.35	121.22	96.87	70.42	50.39	38.99	35.39	1.344
.800	120.78	111.31	88.58	64.00	45.47	34.97	31.67	1.369
.825	110.91	102.06	80.88	58.08	40.98	31.32	28.33	1.395
.850	101.69	93.44	73.75	52.62	36.87	28.04	25.36	1.420
.875	93.09	85.42	67.14	47.62	33.10	25.12	22.75	1.445
.900	85.08	77.96	61.03	43.02	29.69	22.57	20.51	1.471
.925	77.64	71.04	55.38	38.80	26.63	20.36	18.63	1.496
.950	70.72	64.62	50.18	34.91	23.92	18.52	17.10	1.521
.975	64.31	58.69	45.38	31.37	21.55	17.02	15.92	1.546
1.000	58.38	53.19	40.98	28.16	19.52	15.86	15.08	1.571

MACH NO = 30.00 SPHERE ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
0.000	1117.38	1117.38	1117.38	1117.38	1117.38	1117.38	1117.38	.000
.025	1156.25	1141.76	1102.78	1051.02	1001.02	965.52	952.75	.224
.050	1131.14	1111.11	1057.61	987.56	921.02	874.53	857.96	.318
.075	1095.83	1072.01	1008.78	926.97	850.31	797.17	778.46	.390
.100	1055.86	1029.27	959.08	869.29	785.86	729.08	708.88	.451
.125	1013.49	984.91	909.82	814.24	726.86	667.29	646.59	.505
.150	969.98	939.87	861.31	762.12	671.87	612.21	590.94	.555
.175	926.14	895.04	813.86	712.49	620.99	558.33	537.30	.601
.200	882.43	850.58	767.99	665.32	571.68	511.38	490.48	.644
.225	839.12	806.75	723.69	620.68	527.92	468.12	447.63	.684
.250	796.44	764.15	680.71	577.04	486.84	428.37	408.47	.723
.275	754.97	722.63	639.62	536.75	448.59	391.82	372.56	.760
.300	714.29	682.09	601.37	498.94	413.07	358.18	339.66	.795
.325	674.72	643.08	560.48	463.25	380.04	327.24	309.50	.830
.350	636.55	606.56	524.42	429.67	349.36	298.78	281.87	.863
.375	600.82	567.09	489.93	398.11	320.88	272.62	256.56	.896
.400	562.09	532.35	457.09	368.46	294.48	248.58	233.36	.927
.425	527.89	498.84	425.95	340.65	270.02	226.48	212.11	.958
.450	494.93	466.77	396.44	314.60	247.37	206.20	192.66	.988
.475	463.35	436.18	368.50	290.24	226.41	187.58	174.86	1.018
.500	433.20	407.06	342.11	267.48	207.03	170.51	158.59	1.047
.525	404.48	379.36	317.21	246.25	189.14	154.85	143.71	1.076
.550	377.12	353.07	293.77	226.43	172.63	140.52	130.12	1.104
.575	351.13	328.17	271.74	207.99	157.40	127.40	117.71	1.132
.600	326.48	304.62	251.05	190.84	143.38	115.39	106.38	1.159
.625	303.15	282.38	231.63	174.91	130.47	104.40	96.04	1.186
.650	281.11	261.43	213.45	160.12	118.60	94.36	86.62	1.213
.675	260.32	241.70	196.45	146.42	107.68	85.20	78.04	1.240
.700	240.72	223.14	180.57	133.72	97.66	76.84	70.22	1.266
.725	222.28	205.74	165.76	121.98	88.46	69.20	63.12	1.292
.750	204.97	189.42	151.97	111.13	80.02	62.27	56.65	1.318
.775	188.74	174.16	139.14	101.11	72.31	55.93	50.74	1.344
.800	173.54	159.90	127.22	91.86	65.25	50.14	45.42	1.369
.825	159.33	146.60	116.15	83.36	58.79	44.92	40.69	1.395
.850	146.06	134.20	105.88	75.53	52.86	40.29	36.54	1.420
.875	133.70	122.67	96.39	68.32	47.46	36.22	32.97	1.445
.900	122.18	111.94	87.60	61.72	42.62	32.71	29.95	1.471
.925	111.48	101.99	79.48	55.64	38.32	29.76	27.49	1.496
.950	101.54	92.76	72.01	50.05	34.56	27.35	25.59	1.521
.975	92.32	84.23	65.12	44.99	31.34	25.49	24.22	1.546
1.000	83.79	76.34	58.78	40.45	28.65	24.16	23.39	1.571

CONE ANGLE = 5.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.913	1.291	1.484	.913	2.122	1.484	.913	6.984	1.484
.969	1.240	1.539	.972	2.026	1.543	.966	6.645	1.537
1.028	1.277	1.599	1.037	2.076	1.608	1.029	6.753	1.600
1.092	1.296	1.663	1.107	2.085	1.679	1.102	6.706	1.673
1.233	1.306	1.805	1.267	2.051	1.839	1.284	6.432	1.856
1.311	1.305	1.883	1.357	2.027	1.929	1.493	6.121	2.066
1.483	1.299	2.056	1.559	1.972	2.132	1.607	5.955	2.181
1.677	1.289	2.250	1.573	1.941	2.246	1.861	5.606	2.436
1.783	1.284	2.357	1.926	1.874	2.501	2.002	5.425	2.577
2.015	1.269	2.590	2.067	1.837	2.642	2.315	5.055	2.891
2.141	1.259	2.716	2.380	1.760	2.956	2.677	4.679	3.255
2.415	1.240	2.991	2.552	1.721	3.129	2.880	4.492	3.458
2.563	1.231	3.140	2.932	1.644	3.510	3.323	4.133	3.903
2.883	1.213	3.462	3.139	1.606	3.719	3.563	3.963	4.144
3.237	1.194	3.816	3.592	1.535	4.173	4.083	3.646	4.666
3.427	1.184	4.007	3.838	1.502	4.420	4.657	3.359	5.242
3.833	1.165	4.415	4.369	1.442	4.953	4.965	3.228	5.551
4.051	1.157	4.634	4.656	1.415	5.241	5.625	2.991	6.213
4.515	1.144	5.099	5.271	1.367	5.859	5.977	2.884	6.567
4.762	1.139	5.347	5.601	1.346	6.190	6.726	2.693	7.319
5.288	1.131	5.875	6.305	1.311	6.896	7.537	2.529	8.133
5.856	1.125	6.446	6.680	1.296	7.273	7.965	2.456	8.563
6.157	1.123	6.748	7.477	1.271	8.073	8.870	2.328	9.471
6.795	1.120	7.388	7.900	1.262	8.497	9.346	2.271	9.949
7.131	1.119	7.726	8.794	1.246	9.395	10.346	2.170	10.953
7.841	1.119	8.439	9.267	1.241	9.869	11.410	2.085	12.021
8.216	1.119	8.814	10.263	1.233	10.869	11.966	2.048	12.579
9.004	1.122	9.605	10.787	1.231	11.395	13.127	1.983	13.745
9.847	1.125	10.451	11.889	1.229	12.501	13.732	1.955	14.352
10.289	1.127	10.895	12.467	1.229	13.082	14.990	1.906	15.615
11.219	1.131	11.829	13.680	1.232	14.299	16.314	1.866	16.943
11.706	1.133	12.318	14.315	1.234	14.937	17.000	1.849	17.632
12.727	1.138	13.343	15.644	1.240	16.271	18.422	1.820	19.060
13.262	1.141	13.880	16.338	1.243	16.968	19.911	1.799	20.554
14.382	1.146	15.005	17.789	1.251	18.424	20.681	1.790	21.327
15.572	1.151	16.198	18.545	1.255	19.183	22.270	1.778	22.923
16.193	1.153	16.822	20.123	1.264	20.767	23.091	1.774	23.746
17.492	1.158	18.126	20.945	1.269	21.592	24.784	1.769	25.446
18.170	1.160	18.806	22.656	1.278	23.310	26.547	1.769	27.216
19.585	1.164	20.227	23.546	1.282	24.204	27.456	1.770	28.128
20.324	1.166	20.969	25.398	1.291	26.062	29.330	1.776	30.009
21.864	1.170	22.515	26.360	1.296	27.028	30.295	1.780	30.978
23.493	1.173	24.150	28.359	1.304	29.035	32.283	1.791	32.973
24.341	1.175	25.001	29.397	1.308	30.076	34.352	1.805	35.050
26.109	1.178	26.775	31.551	1.316	32.239	35.417	1.813	36.120

CONE ANGLE = 5.00 ANGLE OF ATTACK = 0.00

L/RN	P / P FREE-STREAM AT MACH NO. 3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
27.029	1.179	27.699	32.669	1.319	33.360	37.614	1.831	38.325
28.945	1.182	29.623	34.986	1.326	35.687	38.746	1.840	39.461
29.942	1.183	30.624	36.187	1.329	36.892	41.081	1.861	41.805
32.018	1.185	32.707	38.676	1.335	39.391	43.514	1.883	44.248
34.205	1.187	34.903	39.966	1.338	40.686	44.770	1.894	45.508
35.342	1.187	36.045	42.636	1.343	43.366	47.362	1.918	48.110
37.707	1.189	38.418	44.019	1.345	44.754	48.701	1.930	49.454
38.936	1.190	39.652	46.880	1.349	47.626	51.468	1.954	52.232
41.491	1.191	42.217	48.361	1.351	49.112	54.362	1.978	55.137
42.818	1.192	43.549	51.424	1.354	52.187	55.858	1.990	56.639
45.576	1.193	46.317	53.007	1.356	53.777	58.956	2.014	59.748
48.477	1.194	49.229	56.283	1.359	57.065	60.559	2.025	61.358
49.983	1.194	50.741	57.976	1.360	58.764	63.880	2.048	64.692
53.110	1.195	53.880	61.475	1.363	62.277	67.362	2.069	68.187
54.734	1.196	55.510	63.283	1.364	64.092	69.166	2.079	69.998
58.104	1.196	58.893	67.019	1.366	67.842	72.907	2.099	73.753
59.852	1.197	60.648	68.949	1.367	69.779	76.832	2.117	77.693
63.482	1.197	64.292	72.935	1.369	73.780	78.867	2.126	79.735
67.294	1.198	68.119	74.993	1.370	75.846	83.087	2.142	83.972
69.272	1.198	70.104	79.242	1.371	80.112	85.275	2.150	86.168
73.374	1.199	74.222	81.435	1.372	82.314	89.802	2.164	90.712
75.502	1.199	76.357	85.963	1.374	86.859	94.461	2.177	95.389
79.915	1.199	80.787	88.300	1.374	89.204	96.834	2.183	97.771
82.203	1.199	83.084	93.122	1.375	94.045	101.667	2.194	102.623
86.947	1.200	87.847	95.609	1.376	96.542	104.127	2.199	105.092
91.926	1.200	92.845	100.742	1.377	101.694	109.135	2.209	110.119
94.507	1.200	95.435	103.389	1.377	104.351	114.259	2.218	115.263
99.857	1.201	100.806	108.850	1.378	109.833	116.865	2.222	117.879
102.629	1.201	103.589	111.666	1.379	112.659	122.165	2.230	123.199
108.377	1.201	109.358	117.473	1.380	118.489	124.860	2.233	125.904
111.355	1.201	112.347	120.467	1.380	121.494	130.338	2.240	131.403
117.527	1.201	118.543	126.641	1.381	127.692	135.936	2.246	137.022
123.999	1.202	125.040	129.823	1.381	130.886	138.780	2.249	139.877
127.352	1.202	128.405	136.384	1.382	137.472	144.560	2.254	145.679
134.299	1.202	135.380	139.765	1.382	140.866	147.496	2.256	148.626
137.898	1.202	138.992	146.736	1.382	147.863	153.461	2.261	154.614
145.355	1.202	146.477	150.327	1.383	151.469	159.553	2.265	160.730
149.216	1.202	150.354	157.731	1.383	158.900	162.648	2.267	163.836
157.217	1.203	158.385	161.545	1.383	162.729	168.937	2.271	170.149
165.603	1.203	166.803	169.406	1.384	170.620	172.133	2.273	173.357
169.945	1.203	171.161	173.455	1.384	174.685	178.630	2.276	179.880
178.940	1.203	180.191	181.800	1.384	183.062	185.274	2.279	186.549
183.598	1.203	184.866	186.099	1.385	187.377	188.654	2.280	189.942
193.246	1.203	194.551	194.956	1.385	196.268	195.533	2.283	196.847
203.354	1.203	204.698	204.172	1.385	205.519	202.581	2.285	203.922

CONE ANGLE = 5.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.913	15.088	1.484	.913	26.431	1.484	.913	41.009	1.484
.965	14.345	1.536	1.025	25.478	1.596	1.025	39.520	1.596
1.026	14.555	1.597	1.096	25.249	1.667	1.177	38.326	1.749
1.181	14.137	1.753	1.272	24.098	1.844	1.369	36.351	1.941
1.375	13.437	1.947	1.588	22.121	2.161	1.706	33.143	2.280
1.593	12.689	2.167	1.837	20.689	2.411	2.121	29.667	2.696
1.844	11.888	2.418	2.124	19.194	2.700	2.453	27.279	3.030
2.132	11.051	2.707	2.643	16.901	3.221	3.042	23.781	3.621
2.466	10.197	3.043	3.049	15.426	3.628	3.734	20.618	4.316
2.852	9.344	3.430	3.501	14.049	4.081	4.256	18.717	4.840
3.284	8.539	3.864	4.270	12.182	4.853	5.136	16.217	5.723
3.765	7.792	4.346	4.846	11.085	5.432	5.788	14.785	6.377
4.296	7.107	4.880	5.476	10.111	6.064	6.868	12.962	7.461
4.880	6.491	5.466	6.523	8.868	7.115	8.071	11.479	8.669
5.518	5.945	6.106	7.289	8.170	7.884	8.941	10.651	9.542
5.858	5.698	6.447	8.112	7.564	8.710	10.347	9.607	10.954
6.580	5.252	7.172	9.450	6.802	10.053	11.872	8.756	12.484
7.359	4.864	7.954	10.410	6.377	11.017	12.953	8.277	13.569
8.196	4.528	8.794	11.425	6.007	12.036	14.667	7.666	15.290
9.090	4.239	9.692	12.493	5.684	13.108	15.870	7.318	16.498
10.042	3.989	10.648	14.192	5.275	14.814	17.762	6.872	18.397
11.051	3.772	11.661	15.389	5.044	16.015	19.754	6.500	20.397
12.117	3.585	12.731	16.634	4.841	17.265	21.136	6.287	21.784
13.239	3.423	13.857	18.593	4.582	19.231	23.284	6.013	23.941
14.416	3.283	15.038	19.956	4.436	20.600	25.521	5.785	26.185
15.647	3.161	16.274	21.365	4.307	22.014	27.058	5.654	27.728
16.932	3.056	17.564	23.560	4.143	24.217	29.429	5.488	30.108
18.270	2.965	18.907	25.076	4.051	25.739	31.051	5.393	31.736
19.660	2.886	20.302	26.632	3.972	27.301	33.542	5.275	34.237
21.101	2.819	21.748	29.040	3.872	29.719	36.098	5.180	36.803
21.840	2.790	22.490	30.693	3.818	31.377	37.835	5.130	38.547
23.355	2.738	24.012	32.381	3.772	33.072	40.488	5.071	41.209
24.920	2.694	25.582	34.979	3.719	35.680	43.191	5.031	43.923
26.533	2.658	27.201	36.752	3.692	37.460	45.019	5.014	45.759
28.193	2.630	28.868	38.557	3.673	39.271	47.797	5.002	48.546
29.900	2.608	30.582	41.320	3.655	42.046	50.612	5.005	51.372
31.654	2.592	32.342	43.199	3.651	43.931	52.507	5.016	53.275
33.453	2.581	34.148	45.105	3.652	45.844	55.375	5.042	56.154
35.297	2.576	36.000	47.037	3.658	47.784	57.302	5.067	58.088
37.187	2.576	37.896	49.983	3.677	50.741	60.211	5.114	61.009
39.121	2.580	39.838	51.976	3.696	52.742	63.141	5.171	63.950
41.100	2.588	41.824	53.993	3.718	54.767	65.104	5.215	65.920
43.123	2.601	43.855	57.059	3.760	57.844	68.061	5.288	68.889
45.191	2.617	45.931	59.130	3.793	59.923	71.031	5.370	71.870
47.304	2.636	48.052	61.221	3.829	62.022	73.017	5.429	73.863

CONE ANGLE = 5.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
48.377	2.647	49.129	64.394	3.889	65.208	76.003	5.523	76.860
50.558	2.672	51.318	66.534	3.932	67.355	77.998	5.588	78.863
52.785	2.699	53.554	68.692	3.978	69.522	80.995	5.692	81.872
55.058	2.728	55.836	71.964	4.052	72.807	83.997	5.799	84.886
57.380	2.760	58.166	74.168	4.103	75.019	86.001	5.873	06.897
59.750	2.794	60.545	76.390	4.156	77.249	89.009	5.987	89.917
62.170	2.829	62.974	79.756	4.238	80.628	92.020	6.103	92.938
64.641	2.866	65.455	82.022	4.294	82.902	94.027	6.181	94.954
67.164	2.904	67.988	84.305	4.350	85.194	97.040	6.300	97.978
69.742	2.943	70.576	86.606	4.407	87.504	99.048	6.379	99.994
72.375	2.982	73.219	90.089	4.493	91.001	102.061	6.498	103.018
75.065	3.021	75.919	92.4[illegible]	4.550	93.353	105.074	6.617	106.042
77.813	3.063	78.678	94.79[illegible]	4.607	95.723	107.082	6.695	108.058
80.622	3.099	81.497	98.367	4.692	99.310	110.093	6.811	111.081
83.492	3.137	84.378	100.771	4.747	101.723	113.104	6.925	114.103
84.950	3.156	85.842	103.191	4.801	104.153	115.110	7.000	116.117
87.915	3.193	88.818	106.853	4.881	107.829	118.120	7.110	119.138
90.945	3.228	91.859	109.316	4.932	110.300	121.129	7.218	122.159
94.040	3.263	94.967	111.795	4.983	112.789	123.135	7.287	124.173
97.203	3.296	98.142	115.544	5.056	116.552	126.145	7.389	127.194
100.435	3.328	101.385	118.064	5.102	119.082	128.153	7.455	129.210
103.735	3.358	104.698	120.601	5.148	121.629	131.167	7.550	132.236
107.105	3.388	108.081	124.438	5.213	125.481	134.187	7.642	135.267
110.546	3.415	111.536	127.018	5.255	128.070	136.204	7.701	137.291
114.059	3.441	115.062	129.615	5.295	130.677	139.237	7.786	140.336
117.644	3.466	118.660	133.545	5.352	134.623	142.283	7.867	143.394
121.302	3.490	122.332	136.190	5.388	137.277	144.323	7.919	145.442
125.034	3.512	126.079	138.856	5.423	139.954	147.399	7.993	148.530
128.841	3.533	129.900	141.544	5.456	142.652	149.463	8.040	150.601
132.725	3.553	133.799	145.624	5.503	146.748	152.583	8.106	153.733
134.695	3.563	135.777	148.379	5.533	149.513	155.736	8.169	156.898
138.697	3.581	139.794	151.164	5.561	152.309	157.860	8.207	159.030
142.779	3.598	143.892	155.408	5.600	156.569	161.083	8.261	162.266
146.947	3.614	148.076	158.287	5.625	159.459	164.357	8.310	165.552
151.205	3.629	152.350	161.210	5.649	162.393	166.571	8.339	167.775
155.559	3.644	156.721	165.688	5.681	166.888	169.945	8.379	171.161
160.018	3.657	161.196	168.742	5.700	169.953	172.232	8.401	173.457
164.589	3.670	165.785	171.856	5.718	173.080	175.726	8.430	176.964
169.286	3.681	170.500	176.654	5.742	177.896	179.302	8.451	180.554
174.121	3.692	175.354	179.943	5.755	181.197	181.735	8.461	182.996
179.109	3.702	180.360	183.311	5.766	184.579	185.465	8.471	186.741
184.263	3.711	185.534	188.524	5.777	189.811	189.300	8.473	190.590
189.600	3.719	190.892	192.114	5.782	193.415	191.918	8.470	193.218
195.135	3.726	196.448	195.802	5.784	197.117	195.945	8.462	197.261
200.884	3.731	202.219	201.532	5.782	202.869	200.101	8.448	201.433

CONE ANGLE = 5.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	20.0	S/RN
.913	58.834	1.484
1.025	56.687	1.596
1.176	54.961	1.748
1.473	50.622	2.045
1.833	45.843	2.407
2.279	40.754	2.854
2.832	35.620	3.410
3.487	30.901	4.067
4.249	26.706	4.833
5.125	23.104	5.712
5.775	21.040	6.365
6.851	18.410	7.444
8.048	16.269	8.646
9.367	14.532	9.970
10.804	13.121	11.413
12.358	11.967	12.972
14.023	11.018	14.644
15.795	10.233	16.423
17.670	9.580	18.304
19.642	9.033	20.284
21.008	8.719	21.656
23.132	8.311	23.787
25.339	7.968	26.003
27.625	7.680	28.297
29.983	7.438	30.665
32.409	7.237	33.100
34.896	7.070	35.596
37.439	6.934	38.149
40.032	6.827	40.752
42.669	6.746	43.399
44.449	6.705	45.186
47.148	6.662	47.895
49.876	6.640	50.634
52.629	6.637	53.397
55.402	6.652	56.181
58.191	6.684	58.980
60.991	6.730	61.791
63.798	6.791	64.609
66.610	6.865	67.432
69.423	6.951	70.255
71.298	7.014	72.137
74.107	7.117	74.957
76.911	7.230	77.772
79.707	7.350	80.579
82.495	7.479	83.378

CONE ANGLE = 5.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
85.273	7.614	86.166
88.039	7.754	88.943
90.793	7.900	91.707
93.534	8.049	94.459
96.261	8.202	97.196
98.071	8.306	99.013
100.774	8.463	101.726
103.462	8.621	104.424
106.135	8.780	107.108
108.793	8.939	109.775
111.435	9.097	112.428
114.063	9.255	115.066
116.676	9.411	117.689
119.275	9.565	120.298
121.861	9.716	122.894
123.578	9.815	124.617
126.143	9.962	127.192
128.697	10.105	129.756
131.242	10.244	132.311
133.779	10.379	134.857
136.310	10.510	137.398
138.837	10.636	139.935
141.362	10.757	142.469
143.888	10.874	145.005
146.418	10.985	147.544
148.108	11.056	149.241
150.650	11.157	151.793
153.204	11.253	154.356
155.773	11.342	156.935
158.361	11.425	159.533
160.971	11.501	162.153
163.607	11.569	164.800
166.273	11.630	167.476
168.973	11.683	170.186
171.711	11.727	172.934
173.559	11.752	174.789
176.368	11.781	177.609
179.226	11.802	180.478
182.138	11.814	183.400
185.107	11.817	186.381
188.138	11.812	189.424
191.237	11.800	192.535
194.410	11.782	195.719
197.661	11.758	198.983
200.997	11.729	202.332

CONE ANGLE = 6.00 ANGLE OF ATTACK = 0.00

	P / P FREE-STREAM AT MACH NO.							
L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.895	1.372	1.466	.895	2.266	1.466	.895	7.495	1.466
.950	1.319	1.521	.952	2.166	1.523	.947	7.141	1.518
1.008	1.357	1.579	1.016	2.218	1.587	1.007	7.250	1.579
1.071	1.376	1.642	1.084	2.226	1.656	1.161	7.065	1.733
1.208	1.386	1.781	1.239	2.190	1.811	1.349	6.749	1.922
1.365	1.381	1.938	1.420	2.135	1.993	1.562	6.407	2.136
1.450	1.377	2.024	1.521	2.105	2.095	1.803	6.041	2.379
1.639	1.366	2.213	1.748	2.038	2.323	1.936	5.851	2.513
1.850	1.352	2.426	1.874	2.001	2.450	2.233	5.462	2.811
1.965	1.344	2.542	2.153	1.922	2.731	2.574	5.069	3.154
2.215	1.324	2.793	2.472	1.840	3.051	2.959	4.691	3.541
2.493	1.303	3.072	2.647	1.800	3.227	3.386	4.338	3.970
2.642	1.293	3.223	3.030	1.721	3.612	3.858	4.013	4.445
2.965	1.273	3.547	3.458	1.648	4.043	4.375	3.720	4.965
3.319	1.252	3.903	3.690	1.614	4.276	4.651	3.586	5.243
3.509	1.243	4.094	4.190	1.552	4.779	5.240	3.343	5.835
3.914	1.226	4.501	4.459	1.525	5.049	5.878	3.131	6.476
4.354	1.213	4.944	5.036	1.476	5.629	6.565	2.949	7.167
4.588	1.208	5.179	5.665	1.436	6.262	7.302	2.793	7.908
5.085	1.199	5.679	6.000	1.419	6.598	8.089	2.660	8.700
5.622	1.193	6.218	6.711	1.392	7.313	8.926	2.548	9.541
5.905	1.191	6.503	7.087	1.380	7.692	9.364	2.498	9.981
6.504	1.188	7.105	7.882	1.363	8.491	10.275	2.411	10.897
6.819	1.188	7.422	8.736	1.351	9.350	11.235	2.339	11.863
7.484	1.188	8.091	9.185	1.348	9.801	12.244	2.278	12.878
8.195	1.190	8.805	10.128	1.343	10.749	13.302	2.229	13.941
8.568	1.191	9.181	11.132	1.343	11.759	14.407	2.189	15.052
9.351	1.195	9.968	11.657	1.344	12.287	15.559	2.158	16.210
10.185	1.199	10.807	12.756	1.348	13.392	16.153	2.146	16.807
10.621	1.202	11.246	13.330	1.350	13.969	17.375	2.126	18.036
11.535	1.207	12.164	14.526	1.358	15.172	18.644	2.113	19.312
12.505	1.212	13.139	15.790	1.366	16.443	19.960	2.105	20.635
13.011	1.215	13.648	16.448	1.371	17.104	21.321	2.103	22.005
14.068	1.220	14.712	17.816	1.381	18.480	22.730	2.106	23.421
15.187	1.226	15.837	19.255	1.392	19.927	24.186	2.113	24.885
15.771	1.228	16.423	20.003	1.397	20.678	24.932	2.119	25.635
16.986	1.233	17.646	21.553	1.408	22.237	26.460	2.132	27.171
18.270	1.238	18.936	22.357	1.413	23.045	28.037	2.148	28.757
18.938	1.240	19.608	24.022	1.423	24.720	29.664	2.167	30.393
20.329	1.244	21.006	25.767	1.433	26.475	31.344	2.189	32.082
21.794	1.248	22.480	26.670	1.438	27.383	33.076	2.213	33.824
22.556	1.250	23.246	28.539	1.446	29.262	34.865	2.239	35.622
24.139	1.253	24.838	29.505	1.450	30.233	35.780	2.252	36.543
25.806	1.256	26.514	31.502	1.458	32.242	37.655	2.280	38.429
26.671	1.258	27.384	33.589	1.465	34.339	39.592	2.308	40.376

CONE ANGLE = 6.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
28.468	1.260	29.191	34.666	1.468	35.423	41.593	2.337	42.387
29.401	1.262	30.128	36.891	1.474	37.659	43.660	2.366	44.466
31.336	1.264	32.075	39.211	1.480	39.992	45.797	2.395	46.615
33.369	1.266	34.119	40.408	1.482	41.196	46.893	2.409	47.717
34.424	1.267	35.179	42.877	1.487	43.679	49.141	2.437	49.977
36.610	1.268	37.377	44.150	1.489	44.959	51.467	2.464	52.316
38.904	1.270	39.684	46.774	1.493	47.598	53.873	2.491	54.736
40.093	1.271	40.880	49.507	1.497	50.345	56.364	2.515	57.240
42.558	1.272	43.358	50.914	1.498	51.761	58.943	2.539	59.833
45.141	1.273	45.955	53.815	1.501	54.677	61.612	2.561	62.517
46.479	1.274	47.301	55.308	1.503	56.178	62.981	2.572	63.894
49.251	1.275	50.088	58.384	1.505	59.271	65.792	2.592	66.720
52.155	1.276	53.008	61.582	1.508	62.487	68.702	2.611	69.646
53.658	1.276	54.519	63.227	1.509	64.141	71.713	2.629	72.674
56.771	1.277	57.649	66.615	1.511	67.547	74.829	2.645	75.806
60.029	1.278	60.926	70.134	1.513	71.086	78.051	2.660	79.047
61.716	1.278	62.621	71.944	1.514	72.906	81.384	2.674	82.398
65.206	1.279	66.131	75.668	1.515	76.650	83.093	2.681	84.116
68.858	1.279	69.803	77.583	1.516	78.576	86.596	2.694	87.639
70.747	1.280	71.703	81.521	1.517	82.536	90.217	2.706	91.279
74.656	1.280	75.633	85.609	1.519	86.647	93.949	2.716	95.032
78.745	1.281	79.744	87.711	1.519	88.759	97.749	2.727	98.853
80.859	1.281	81.870	92.031	1.520	93.104	101.610	2.736	102.735
85.232	1.281	86.267	96.513	1.521	97.610	105.533	2.744	106.680
87.493	1.281	88.540	98.816	1.522	99.926	107.519	2.748	108.677
92.168	1.282	93.241	103.550	1.523	104.686	111.542	2.756	112.722
97.056	1.282	98.156	105.983	1.523	107.132	115.635	2.763	116.838
99.582	1.282	100.696	110.981	1.524	112.158	119.803	2.769	121.029
104.805	1.283	105.948	116.164	1.525	117.369	124.052	2.774	125.301
110.264	1.283	111.437	118.826	1.525	120.046	128.387	2.780	129.659
113.065	1.283	114.274	124.296	1.526	125.546	132.815	2.784	134.112
118.917	1.283	120.137	127.105	1.526	128.371	135.066	2.786	136.375
125.010	1.283	126.264	132.877	1.527	134.175	139.646	2.790	140.981
128.158	1.284	129.429	138.860	1.527	140.191	144.337	2.793	145.698
134.665	1.284	135.972	141.933	1.528	143.280	149.145	2.796	150.532
141.462	1.284	142.807	148.245	1.528	149.628	154.076	2.798	155.491
144.974	1.284	146.338	154.788	1.528	156.206	159.137	2.800	160.579
152.231	1.284	153.635	158.148	1.529	159.585	164.333	2.801	165.804
159.811	1.284	161.257	165.052	1.529	166.527	166.984	2.801	168.469
163.727	1.285	165.194	168.598	1.529	170.093	172.394	2.802	173.909
171.818	1.285	173.330	175.884	1.530	177.419	177.952	2.802	179.498
180.269	1.285	181.828	183.438	1.530	185.014	183.665	2.802	185.242
184.634	1.285	186.217	187.318	1.530	188.915	189.537	2.801	191.146
193.654	1.285	195.286	195.292	1.530	196.934	195.573	2.801	197.216
203.074	1.285	204.758	203.561	1.530	205.248	201.780	2.801	203.457

CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.895	16.208	1.466	.895	28.406	1.466	.895	44.099	1.466
1.005	15.644	1.576	1.004	27.395	1.575	1.071	42.111	1.643
1.073	15.510	1.645	1.151	26.588	1.723	1.239	40.200	1.812
1.339	14.460	1.912	1.436	24.567	2.009	1.541	36.930	2.115
1.548	13.672	2.122	1.780	22.341	2.355	2.048	32.114	2.625
1.786	12.830	2.361	2.203	19.972	2.781	2.532	28.378	3.111
2.211	11.504	2.789	2.718	17.615	3.299	3.102	24.900	3.684
2.547	10.610	3.127	3.109	16.153	3.692	3.761	21.777	4.348
2.923	9.760	3.505	3.773	14.153	4.359	4.789	18.243	5.382
3.562	8.589	4.148	4.532	12.412	5.123	5.675	16.087	6.272
4.042	7.886	4.630	5.390	10.948	5.986	6.660	14.315	7.262
4.565	7.253	5.156	6.349	9.742	6.950	8.124	12.453	8.735
5.436	6.435	6.031	7.408	8.760	8.014	9.333	11.359	9.950
6.073	5.973	6.672	8.565	7.964	9.178	10.631	10.469	11.255
6.757	5.571	7.359	9.389	7.520	10.006	12.015	9.740	12.646
7.868	5.066	8.477	10.702	6.959	11.326	13.983	8.958	14.626
8.665	4.786	9.278	12.102	6.503	12.735	15.546	8.508	16.197
9.507	4.544	10.125	13.586	6.131	14.227	17.176	8.129	17.836
10.850	4.242	11.475	15.149	5.828	15.798	19.447	7.727	20.120
11.797	4.074	12.428	16.784	5.582	17.443	21.217	7.489	21.900
12.785	3.929	13.422	18.489	5.382	19.156	23.039	7.296	23.731
14.341	3.749	14.986	19.661	5.272	20.335	24.907	7.143	25.610
15.425	3.650	16.075	21.470	5.134	22.154	27.462	6.989	28.179
16.545	3.566	17.202	23.335	5.027	24.029	29.420	6.908	30.148
18.290	3.463	18.957	25.252	4.946	25.957	31.410	6.852	32.148
19.496	3.408	20.169	27.217	4.888	27.932	34.102	6.812	34.856
20.733	3.364	21.413	29.225	4.850	29.952	36.146	6.808	36.911
22.648	3.314	23.338	31.273	4.830	32.011	38.207	6.822	38.983
23.961	3.291	24.659	32.657	4.826	33.403	40.280	6.855	41.067
25.303	3.274	26.008	34.761	4.833	35.519	43.057	6.925	43.860
27.368	3.262	28.084	36.894	4.854	37.663	45.146	6.995	45.960
28.778	3.262	29.502	39.052	4.888	39.833	47.236	7.079	48.062
30.213	3.266	30.945	41.232	4.935	42.025	49.325	7.177	50.163
32.413	3.283	33.157	43.430	4.993	44.235	52.105	7.324	52.958
33.909	3.300	34.661	45.644	5.061	46.461	54.183	7.446	55.047
35.428	3.321	36.189	47.128	5.112	47.953	56.254	7.577	57.129
37.749	3.360	38.523	49.363	5.195	50.200	59.000	7.764	59.890
39.324	3.391	40.107	51.607	5.285	52.457	61.047	7.912	61.949
40.921	3.425	41.712	53.860	5.382	54.722	63.083	8.065	63.996
43.355	3.481	44.160	56.118	5.485	56.993	65.107	8.222	66.031
45.004	3.522	45.817	58.381	5.591	59.269	67.786	8.437	68.725
46.673	3.565	47.496	60.648	5.701	61.548	69.780	8.600	70.730
49.215	3.632	50.052	62.161	5.776	63.070	71.761	8.765	72.722
50.935	3.680	51.781	64.433	5.890	65.353	74.383	8.984	75.358
52.675	3.728	53.530	66.706	6.004	67.639	76.334	9.149	77.320

CONE ANGLE = 6.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
55.322	3.801	56.192	68.980	6.118	69.926	78.272	9.311	79.269
57.112	3.851	57.992	71.255	6.232	72.213	80.199	9.472	81.207
58.923	3.901	59.813	73.531	6.344	74.502	82.751	9.682	83.772
61.676	3.975	62.581	75.049	6.417	76.028	84.652	9.837	85.684
63.537	4.023	64.452	77.326	6.526	78.318	86.544	9.987	87.587
65.418	4.071	66.344	79.604	6.632	80.609	89.055	10.181	90.111
68.277	4.141	69.219	81.884	6.734	82.901	90.930	10.321	91.996
70.209	4.186	71.162	84.166	6.833	85.196	92.799	10.457	93.876
72.162	4.230	73.125	86.452	6.928	87.494	94.665	10.587	95.752
75.129	4.293	76.109	88.742	7.020	89.796	97.151	10.752	98.252
77.133	4.334	78.124	90.272	7.078	91.335	99.016	10.869	100.127
79.158	4.373	80.160	92.573	7.163	93.649	100.884	10.980	102.005
82.235	4.428	83.254	94.884	7.243	95.972	103.383	11.119	104.519
84.313	4.463	85.343	97.208	7.319	98.309	105.268	11.214	106.413
86.413	4.496	87.455	99.547	7.391	100.661	107.163	11.303	108.319
89.606	4.544	90.665	101.906	7.458	103.033	109.072	11.384	110.238
91.764	4.574	92.836	104.289	7.520	105.429	111.643	11.480	112.823
93.948	4.602	95.031	105.893	7.559	107.042	113.594	11.543	114.786
97.273	4.642	98.374	108.326	7.614	109.488	115.569	11.598	116.771
99.526	4.667	100.640	110.796	7.663	111.972	117.570	11.644	118.783
101.811	4.691	102.937	113.308	7.707	114.497	120.283	11.691	121.511
105.304	4.724	106.450	115.868	7.745	117.071	122.357	11.716	123.597
107.682	4.745	108.841	118.482	7.778	119.700	124.468	11.733	125.719
110.103	4.764	111.275	121.156	7.804	122.389	127.345	11.742	128.612
113.827	4.791	115.019	122.975	7.818	124.218	129.555	11.740	130.834
116.376	4.807	117.583	125.765	7.833	127.023	131.814	11.730	133.105
118.986	4.822	120.207	128.632	7.842	129.906	134.126	11.714	135.430
123.024	4.841	124.268	131.584	7.844	132.874	137.298	11.685	138.620
125.807	4.851	127.066	134.629	7.840	135.936	139.751	11.658	141.086
128.668	4.860	129.942	137.775	7.831	139.099	142.272	11.627	143.621
133.119	4.870	134.418	141.030	7.818	142.373	145.750	11.583	147.118
136.201	4.873	137.517	143.266	7.808	144.621	148.453	11.548	149.836
139.382	4.875	140.715	146.726	7.791	148.100	151.244	11.512	152.642
144.351	4.874	145.712	150.323	7.773	151.716	154.130	11.476	155.544
147.806	4.871	149.186	154.067	7.754	155.482	158.138	11.429	159.575
151.382	4.867	152.781	157.973	7.736	159.409	161.275	11.395	162.729
156.989	4.860	158.420	162.053	7.719	163.512	164.534	11.362	166.006
160.902	4.855	162.354	166.323	7.703	167.805	169.083	11.321	170.580
164.963	4.851	166.437	169.283	7.693	170.781	172.663	11.293	174.179
171.353	4.845	172.863	173.904	7.678	175.428	176.397	11.267	177.934
175.826	4.842	177.360	178.760	7.665	180.310	180.297	11.244	181.856
180.481	4.840	182.041	183.870	7.654	185.448	185.777	11.217	187.366
187.827	4.836	189.427	189.253	7.643	190.862	190.113	11.200	191.725
192.936	4.834	194.564	194.932	7.634	196.572	194.657	11.186	196.295
200.833	4.832	202.505	200.929	7.627	202.602	201.067	11.170	202.740

CONE ANGLE = 6.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
.895	63.263	1.466
1.071	60.399	1.642
1.333	56.120	1.906
1.653	51.245	2.228
2.197	44.176	2.775
2.898	37.210	3.479
3.525	32.539	4.110
4.507	27.177	5.097
5.356	23.869	5.952
6.642	20.338	7.244
8.099	17.644	8.709
9.301	16.059	9.917
11.040	14.388	11.666
12.440	13.394	13.074
14.426	12.336	15.071
16.536	11.514	17.192
18.191	11.020	18.857
20.487	10.492	21.166
22.269	10.177	22.957
24.714	9.844	25.416
27.228	9.594	27.944
29.152	9.453	29.879
31.759	9.319	32.499
33.739	9.256	34.490
36.404	9.215	37.170
39.088	9.221	39.869
41.108	9.253	41.900
43.804	9.331	44.611
45.824	9.413	46.642
48.508	9.551	49.341
51.177	9.719	52.025
53.166	9.862	54.024
55.797	10.074	56.670
58.402	10.306	59.289
60.336	10.492	61.234
62.889	10.754	63.801
64.782	10.959	65.705
67.279	11.241	68.215
69.743	11.532	70.693
71.569	11.754	72.529
73.976	12.054	74.949
75.760	12.280	76.743
78.111	12.582	79.107
80.433	12.883	81.441
82.155	13.106	83.173

CONE ANGLE = 6.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
84.428	13.400	85.459
86.116	13.616	87.156
88.347	13.899	89.399
90.557	14.173	91.621
92.202	14.372	93.276
94.382	14.629	95.458
96.009	14.814	97.103
98.169	15.050	99.275
100.322	15.272	101.441
101.935	15.429	103.063
104.086	15.626	105.225
105.702	15.762	106.850
107.863	15.929	109.023
110.035	16.079	111.207
111.675	16.178	112.855
113.877	16.294	115.070
116.103	16.389	117.309
117.791	16.448	119.006
120.070	16.508	121.297
121.802	16.540	123.039
124.147	16.565	125.397
126.538	16.572	127.801
128.365	16.566	129.637
130.848	16.544	132.135
132.751	16.517	134.048
135.345	16.472	136.657
138.013	16.416	139.339
140.066	16.368	141.403
142.879	16.299	144.231
145.050	16.244	146.414
148.034	16.168	149.415
151.128	16.090	152.527
153.529	16.031	154.940
156.843	15.954	158.273
159.422	15.898	160.866
162.995	15.826	164.458
166.733	15.759	168.217
169.656	15.712	171.156
173.723	15.654	175.245
176.911	15.616	178.451
181.360	15.571	182.925
186.055	15.533	187.645
189.750	15.510	191.361
194.926	15.486	196.566
200.411	15.470	202.080

CONE ANGLE = 7.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.878	1.456	1.449	.878	2.418	1.449	.878	8.039	1.449
.931	1.401	1.502	.933	2.314	1.504	.986	7.779	1.557
.988	1.440	1.560	.995	2.367	1.566	1.054	7.724	1.626
1.114	1.468	1.686	1.133	2.360	1.706	1.221	7.419	1.794
1.183	1.470	1.756	1.211	2.336	1.784	1.412	7.075	1.987
1.335	1.465	1.909	1.386	2.278	1.960	1.628	6.703	2.204
1.507	1.454	2.082	1.589	2.212	2.164	1.873	6.310	2.451
1.700	1.441	2.277	1.822	2.137	2.400	2.153	5.903	2.733
1.805	1.433	2.383	1.952	2.097	2.530	2.644	5.302	3.227
2.034	1.414	2.613	2.237	2.012	2.818	3.015	4.930	3.601
2.287	1.391	2.868	2.560	1.926	3.144	3.422	4.585	4.012
2.568	1.369	3.151	2.924	1.845	3.510	3.868	4.270	4.461
2.718	1.358	3.303	3.121	1.807	3.708	4.354	3.988	4.953
3.042	1.337	3.629	3.548	1.736	4.138	4.879	3.739	5.479
3.396	1.317	3.985	4.019	1.673	4.613	5.444	3.523	6.048
3.781	1.301	4.373	4.536	1.619	5.134	6.367	3.253	6.978
3.986	1.294	4.580	4.812	1.596	5.412	7.032	3.105	7.649
4.421	1.282	5.018	5.399	1.556	6.004	7.736	2.980	8.358
4.891	1.274	5.492	6.035	1.525	6.644	8.480	2.874	9.107
5.397	1.268	6.002	6.720	1.502	7.334	9.261	2.786	9.895
5.664	1.266	6.271	7.081	1.493	7.698	10.080	2.712	10.720
6.227	1.263	6.837	7.841	1.480	8.464	10.935	2.652	11.581
6.828	1.263	7.444	8.652	1.472	9.281	11.826	2.603	12.478
7.471	1.265	8.091	9.515	1.469	10.150	13.226	2.549	13.889
7.808	1.266	8.430	9.966	1.469	10.604	14.202	2.524	14.872
8.514	1.270	9.142	10.908	1.472	11.554	15.210	2.506	15.888
9.264	1.274	9.898	11.904	1.478	12.557	16.250	2.496	16.936
10.060	1.280	10.699	12.954	1.486	13.615	17.322	2.492	18.016
10.476	1.283	11.118	13.500	1.491	14.165	18.424	2.494	19.127
11.343	1.289	11.992	14.634	1.502	15.308	19.558	2.500	20.268
12.261	1.295	12.917	15.826	1.513	16.508	21.314	2.519	22.038
12.739	1.298	13.398	16.443	1.519	17.130	22.523	2.537	23.256
13.734	1.304	14.401	17.722	1.531	18.419	23.763	2.558	24.505
14.784	1.310	15.459	19.060	1.544	19.767	25.032	2.582	25.784
15.890	1.315	16.573	20.459	1.556	21.177	26.333	2.608	27.095
16.464	1.318	17.152	21.182	1.562	21.905	27.665	2.637	28.436
17.659	1.323	18.355	22.675	1.573	23.409	29.028	2.668	29.810
18.914	1.327	19.620	24.232	1.584	24.978	30.424	2.700	31.216
20.234	1.332	20.949	25.855	1.594	26.613	32.580	2.751	33.388
20.918	1.334	21.639	26.691	1.598	27.455	34.060	2.785	34.879
22.337	1.337	23.069	28.414	1.607	29.191	35.575	2.819	36.406
23.826	1.341	24.569	30.206	1.615	30.997	37.126	2.854	37.969
25.387	1.344	26.142	32.070	1.623	32.874	38.714	2.888	39.569
26.196	1.346	26.956	33.028	1.626	33.840	40.341	2.921	41.208
27.870	1.348	28.643	35.001	1.632	35.827	42.006	2.954	42.886

CONE ANGLE = 7.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
29.624	1.351	30.410	37.048	1.638	37.890	44.580	3.000	45.479
31.459	1.353	32.260	39.172	1.643	40.030	46.347	3.030	47.259
32.409	1.354	33.216	40.264	1.645	41.130	48.157	3.058	49.082
34.374	1.356	35.196	42.507	1.650	43.390	50.010	3.085	50.949
36.428	1.358	37.266	44.832	1.654	45.732	51.907	3.110	52.861
38.577	1.359	39.430	47.240	1.658	48.159	53.850	3.134	54.818
39.687	1.360	40.549	48.477	1.659	49.404	55.838	3.157	56.821
41.982	1.361	42.861	51.015	1.662	51.962	58.908	3.188	59.915
44.379	1.362	45.276	53.642	1.665	54.609	61.015	3.207	62.037
46.883	1.364	47.799	56.361	1.668	57.349	63.172	3.225	64.210
48.176	1.364	49.101	57.756	1.669	58.754	65.379	3.242	66.434
50.847	1.365	51.792	60.617	1.671	61.636	67.639	3.258	68.711
53.634	1.366	54.601	63.576	1.673	64.618	69.952	3.273	71.042
56.543	1.367	57.532	66.636	1.675	67.700	72.323	3.287	73.430
58.045	1.367	59.045	68.204	1.676	69.280	74.753	3.301	75.878
61.145	1.368	62.168	71.420	1.678	72.520	78.519	3.319	79.672
64.378	1.368	65.425	74.743	1.679	75.868	81.117	3.330	82.290
66.046	1.369	67.106	76.446	1.680	77.584	83.792	3.340	84.985
69.489	1.369	70.574	79.937	1.681	81.101	86.552	3.350	87.766
73.078	1.370	74.191	83.543	1.683	84.734	89.403	3.359	90.639
75.820	1.370	77.960	87.269	1.684	88.488	92.355	3.366	93.613
78.749	1.371	79.905	89.178	1.684	90.411	95.412	3.373	96.692
82.731	1.371	83.916	93.089	1.685	94.352	100.130	3.382	101.446
86.879	1.372	88.096	97.130	1.686	98.423	103.362	3.386	104.702
91.202	1.372	92.451	101.304	1.687	102.629	106.668	3.389	108.033
93.431	1.372	94.697	103.443	1.688	104.784	110.053	3.391	111.443
98.029	1.372	99.329	107.826	1.688	109.200	113.519	3.392	114.936
102.818	1.373	104.154	112.356	1.689	113.763	117.071	3.392	118.514
107.807	1.373	109.181	117.036	1.690	118.479	120.711	3.392	122.182
110.379	1.373	111.772	119.435	1.690	120.896	124.443	3.391	125.942
115.683	1.373	117.116	124.354	1.690	125.852	130.220	3.390	131.762
121.207	1.374	122.682	129.440	1.691	130.976	134.196	3.389	135.768
125.961	1.374	128.479	134.700	1.691	136.276	138.276	3.389	139.878
129.927	1.374	131.467	137.398	1.691	138.994	142.463	3.389	144.096
136.043	1.374	137.629	142.932	1.692	144.570	146.760	3.389	148.426
142.413	1.374	144.047	148.659	1.692	150.340	151.172	3.389	152.871
149.048	1.374	150.731	154.587	1.692	156.312	155.702	3.389	157.435
152.468	1.374	154.177	157.629	1.692	159.377	162.727	3.389	164.513
159.521	1.375	161.282	163.874	1.692	165.668	167.569	3.390	169.791
166.867	1.375	168.684	170.341	1.692	172.184	172.544	3.390	174.403
174.518	1.375	176.393	177.039	1.693	178.932	177.654	3.390	179.552
178.463	1.375	180.367	180.478	1.693	182.397	182.905	3.390	184.843
186.598	1.375	188.564	187.541	1.693	189.514	188.300	3.390	190.278
195.073	1.375	197.102	194.860	1.693	196.888	193.845	3.390	195.964
203.903	1.375	205.998	202.445	1.693	204.530	202.450	3.390	204.535

CONE ANGLE = 7.00 ANGLE OF ATTACK = 0.00

	P / P FREE-STREAM AT MACH NO.							
L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.878	17.402	1.449	.878	30.510	1.449	.878	47.360	1.449
.984	16.803	1.555	1.048	29.169	1.620	1.047	45.256	1.619
1.127	16.330	1.699	1.210	27.690	1.783	1.299	42.139	1.873
1.401	15.148	1.975	1.499	25.700	2.074	1.721	37.339	2.298
1.613	14.291	2.189	1.981	22.483	2.560	2.268	32.185	2.849
1.989	12.928	2.567	2.431	20.022	3.013	2.764	28.512	3.349
2.442	11.544	3.025	2.954	17.744	3.540	3.543	24.172	4.134
2.971	10.262	3.557	3.772	15.072	4.365	4.464	20.538	5.061
3.367	9.480	3.956	4.481	13.378	5.078	5.528	17.659	6.134
4.029	8.427	4.623	5.271	11.960	5.875	6.420	15.940	7.032
4.775	7.534	5.375	6.451	10.453	7.063	7.727	14.133	8.348
5.605	6.795	6.211	7.427	9.566	8.047	9.160	12.762	9.792
6.205	6.379	6.815	8.478	8.848	9.106	10.708	11.721	11.352
7.173	5.857	7.790	9.987	8.099	10.626	11.936	11.107	12.590
8.220	5.438	8.845	11.193	7.661	11.841	13.655	10.462	14.322
9.342	5.102	9.976	12.457	7.307	13.114	15.456	9.976	16.136
10.129	4.916	10.769	14.225	6.941	14.895	17.326	9.615	18.020
11.367	4.687	12.016	15.606	6.732	16.287	18.769	9.410	19.474
12.668	4.505	13.327	17.029	6.568	17.721	20.737	9.211	21.457
14.028	4.364	14.697	18.491	6.443	19.193	22.748	9.081	23.483
14.965	4.289	15.641	20.492	6.328	21.210	24.791	9.008	25.541
16.413	4.201	17.100	22.027	6.274	22.756	26.859	8.986	27.624
17.909	4.139	18.607	23.587	6.244	24.328	28.420	8.999	29.197
19.449	4.099	20.159	25.700	6.237	26.457	30.510	9.053	31.303
20.499	4.083	21.217	27.305	6.253	28.073	32.603	9.145	33.411
22.105	4.074	22.835	28.923	6.287	29.704	34.691	9.273	35.516
23.746	4.080	24.488	31.096	6.356	31.894	36.252	9.389	37.088
25.420	4.100	26.174	32.735	6.425	33.544	38.321	9.569	39.173
26.552	4.120	27.315	34.377	6.507	35.199	40.373	9.776	41.240
28.274	4.160	29.050	36.569	6.635	37.408	42.405	10.004	43.287
30.021	4.209	30.810	38.212	6.744	39.063	43.914	10.188	44.808
31.198	4.248	31.996	39.853	6.862	40.716	45.905	10.448	46.813
32.983	4.313	33.794	42.033	7.031	42.913	47.870	10.720	48.793
34.787	4.385	35.612	43.662	7.166	44.554	49.809	11.002	50.747
36.610	4.463	37.449	45.284	7.306	46.188	51.246	11.219	52.194
37.834	4.518	38.682	47.434	7.498	48.354	53.139	11.512	54.102
39.684	4.604	40.546	49.037	7.646	49.970	55.007	11.807	55.984
41.548	4.694	42.424	50.632	7.794	51.576	56.850	12.102	57.841
43.425	4.786	44.315	52.218	7.944	53.174	58.670	12.394	59.675
44.684	4.848	45.584	54.320	8.142	55.292	60.021	12.611	61.036
46.583	4.941	47.496	55.886	8.289	56.870	61.804	12.894	62.832
48.493	5.034	49.421	57.445	8.434	58.440	63.569	13.170	64.610
50.414	5.125	51.357	59.512	8.623	60.523	65.318	13.436	66.372
51.702	5.185	52.654	61.055	8.760	62.077	66.620	13.629	67.684
53.641	5.273	54.608	62.592	8.894	63.626	68.346	13.876	69.424

CONE ANGLE = 7.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
55.593	5.357	56.574	64.635	9.065	65.685	70.063	14.111	71.154
57.555	5.439	58.551	66.164	9.188	67.225	71.774	14.331	72.877
58.870	5.491	59.876	67.692	9.305	68.764	73.055	14.487	74.168
60.853	5.567	61.874	69.730	9.454	70.817	74.763	14.680	75.888
62.849	5.638	63.885	71.261	9.558	72.360	76.473	14.857	77.611
64.861	5.706	65.912	72.796	9.656	73.907	78.190	15.016	79.341
66.211	5.749	67.273	74.855	9.778	75.981	79.483	15.123	80.644
68.253	5.811	69.330	76.409	9.861	77.547	81.219	15.249	82.392
70.316	5.868	71.408	77.976	9.937	79.125	82.970	15.356	84.157
72.405	5.922	73.513	79.556	10.006	80.718	84.742	15.442	85.942
73.814	5.955	74.932	81.691	10.087	82.868	86.538	15.509	87.752
75.954	6.002	77.089	83.315	10.139	84.505	87.903	15.547	89.127
78.133	6.045	79.284	84.963	10.182	86.165	89.751	15.580	90.989
80.356	6.084	81.524	87.202	10.228	88.421	91.634	15.596	92.886
81.866	6.108	83.044	88.916	10.253	90.147	93.558	15.594	94.824
84.176	6.139	85.372	90.663	10.270	91.907	95.030	15.583	96.308
86.549	6.166	87.763	93.050	10.281	94.313	97.037	15.555	98.329
88.168	6.181	89.394	94.888	10.281	96.164	99.097	15.516	100.406
90.660	6.199	91.905	96.771	10.275	98.062	101.218	15.467	102.542
93.234	6.211	94.498	99.359	10.258	100.669	102.853	15.424	104.189
95.899	6.219	97.183	101.363	10.241	102.688	105.094	15.363	106.447
97.729	6.220	99.027	103.426	10.220	104.766	107.415	15.297	108.785
100.564	6.219	101.883	106.277	10.187	107.639	109.822	15.228	111.210
103.513	6.214	104.855	108.497	10.161	109.876	111.688	15.177	113.091
106.588	6.207	107.953	110.795	10.134	112.191	114.267	15.108	115.689
108.713	6.201	110.094	113.988	10.098	115.408	116.957	15.042	118.399
112.023	6.191	113.428	116.489	10.072	117.928	119.769	14.979	121.232
115.490	6.181	116.921	119.090	10.046	120.548	122.714	14.920	124.200
119.128	6.171	120.587	121.797	10.021	123.276	125.018	14.880	126.521
121.657	6.165	123.135	125.588	9.991	127.095	128.227	14.831	129.754
125.616	6.157	127.123	128.579	9.971	130.108	131.606	14.789	133.158
129.789	6.149	131.328	131.706	9.952	133.259	135.170	14.753	136.749
134.195	6.142	135.767	136.108	9.930	137.694	137.975	14.731	139.575
137.272	6.138	138.867	139.596	9.917	141.208	141.904	14.708	143.533
142.110	6.133	143.741	143.258	9.905	144.898	146.066	14.691	147.727
147.235	6.128	148.905	148.432	9.893	150.110	150.482	14.681	152.176
152.671	6.124	154.381	152.547	9.886	154.257	153.973	14.678	155.694
156.478	6.121	158.217	156.880	9.881	158.622	158.886	14.679	160.543
162.483	6.118	164.268	163.019	9.877	164.807	164.115	14.682	165.911
168.788	6.116	170.620	167.916	9.876	169.741	169.686	14.691	171.524
175.324	6.114	177.204	173.081	9.877	174.945	174.106	14.699	175.978
179.812	6.113	181.726	180.417	9.881	182.335	180.346	14.713	182.264
186.749	6.113	188.715	186.278	9.885	188.241	187.012	14.727	188.980
193.937	6.113	195.958	192.471	9.890	194.480	194.138	14.743	196.160
201.386	6.114	203.462	201.278	9.897	203.353	201.763	14.759	203.842

CONE ANGLE = 7.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/PN
.878	57.969	1.449
1.123	53.583	1.695
1.393	58.767	1.968
1.843	51.655	2.421
2.422	44.253	3.005
3.131	37.540	3.719
3.978	31.775	4.572
4.967	27.087	5.568
6.098	23.426	6.707
7.365	20.623	7.984
8.760	18.490	9.389
10.270	16.866	10.911
12.302	15.362	12.959
14.028	14.475	14.697
15.829	13.800	16.512
17.694	13.293	18.391
19.614	12.919	20.325
21.577	12.654	22.303
23.574	12.476	24.315
25.596	12.372	26.352
27.633	12.335	28.404
29.677	12.356	30.464
31.722	12.432	32.524
34.267	12.597	35.088
36.287	12.781	37.124
38.289	13.005	39.141
40.268	13.265	41.134
42.221	13.558	43.102
44.146	13.879	45.042
46.042	14.223	46.951
47.907	14.588	48.830
49.741	14.970	50.678
51.544	15.363	52.495
53.317	15.767	54.282
55.492	16.279	56.473
57.201	16.691	58.194
58.882	17.102	59.888
60.539	17.511	61.557
62.172	17.913	63.203
63.783	18.307	64.826
65.375	18.690	66.430
66.949	19.061	68.016
68.508	19.418	69.587
70.054	19.759	71.144
71.590	20.082	72.691

CONE ANGLE = 7.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
73.498	20.458	74.614
75.018	20.736	76.146
76.537	20.991	77.675
78.055	21.223	79.205
79.576	21.430	80.738
81.103	21.611	82.276
82.638	21.767	83.823
84.185	21.896	85.381
85.746	21.999	86.953
87.323	22.075	88.543
88.921	22.127	90.153
90.951	22.156	92.198
92.606	22.154	93.865
94.290	22.131	95.562
96.009	22.089	97.294
97.766	22.030	99.064
99.564	21.957	100.876
101.408	21.871	102.733
103.302	21.776	104.642
105.251	21.674	106.605
107.259	21.567	108.629
109.333	21.457	110.718
112.026	21.320	113.431
114.268	21.212	115.690
116.596	21.108	118.035
119.017	21.009	120.474
121.538	20.916	123.015
124.170	20.832	125.666
126.920	20.757	128.437
129.798	20.691	131.337
132.816	20.636	134.378
135.985	20.592	137.570
139.317	20.558	140.927
143.731	20.530	145.374
147.479	20.519	149.150
151.436	20.516	153.138
155.620	20.520	157.352
160.047	20.532	161.813
164.736	20.548	166.537
169.709	20.569	171.547
174.986	20.592	176.864
180.593	20.618	182.513
186.555	20.645	188.520
192.900	20.672	194.913
201.419	20.705	203.495

CONE ANGLE = 8.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.861	1.545	1.431	.861	2.579	1.431	.861	8.613	1.431
.913	1.487	1.484	.914	2.471	1.485	.965	8.339	1.536
.969	1.528	1.540	.974	2.524	1.545	1.030	8.281	1.602
1.091	1.557	1.664	1.108	2.516	1.681	1.279	7.786	1.954
1.239	1.556	1.804	1.265	2.461	1.839	1.473	7.411	2.249
1.387	1.547	1.963	1.447	2.396	2.023	1.811	6.805	2.391
1.473	1.541	2.049	1.656	2.322	2.234	2.075	6.387	2.657
1.660	1.527	2.238	1.896	2.240	2.476	2.368	5.970	2.953
1.869	1.508	2.449	2.028	2.198	2.610	2.864	5.395	3.454
2.101	1.487	2.683	2.318	2.107	2.903	3.234	5.045	3.827
2.357	1.462	2.942	2.644	2.020	3.232	3.849	4.577	4.448
2.639	1.438	3.227	3.008	1.941	3.600	4.300	4.307	4.904
2.791	1.427	3.380	3.412	1.869	4.007	5.038	3.964	5.649
3.114	1.406	3.706	3.855	1.805	4.455	5.571	3.773	6.187
3.466	1.389	4.062	4.340	1.751	4.945	6.136	3.609	6.758
3.848	1.374	4.448	4.599	1.728	5.206	7.042	3.409	7.673
4.261	1.363	4.864	5.147	1.688	5.760	7.684	3.302	8.321
4.705	1.355	5.313	5.739	1.658	6.357	8.701	3.174	9.349
4.940	1.352	5.550	6.374	1.636	6.998	9.414	3.107	10.069
5.434	1.347	6.049	7.053	1.621	7.684	10.533	3.032	11.199
5.963	1.346	6.583	7.776	1.613	8.414	11.311	2.995	11.984
6.527	1.346	7.153	8.543	1.610	9.189	12.112	2.968	12.793
7.127	1.348	7.759	9.356	1.611	10.009	13.357	2.944	14.050
7.765	1.352	8.403	9.779	1.613	10.437	14.215	2.937	14.916
8.099	1.354	8.740	10.659	1.619	11.326	15.540	2.940	16.255
8.795	1.360	9.443	11.585	1.629	12.260	16.449	2.948	17.173
9.532	1.366	10.188	12.557	1.640	13.242	17.850	2.971	18.587
10.311	1.372	10.974	13.575	1.653	14.270	18.807	2.992	19.553
11.132	1.379	11.803	14.640	1.666	15.346	19.782	3.017	20.539
11.997	1.386	12.677	15.753	1.681	16.470	21.280	3.060	22.051
12.447	1.389	13.131	16.327	1.688	17.050	22.301	3.092	23.082
13.381	1.396	14.075	17.512	1.702	18.246	23.866	3.145	24.663
14.363	1.402	15.067	18.746	1.716	19.492	24.932	3.183	25.739
15.395	1.408	16.108	20.029	1.729	20.788	26.565	3.241	27.388
16.476	1.414	17.200	21.363	1.742	22.135	27.675	3.281	28.509
17.611	1.419	18.345	22.747	1.753	23.533	28.805	3.322	29.649
18.198	1.421	18.938	24.183	1.764	24.983	30.533	3.383	31.394
19.413	1.426	20.166	25.672	1.774	26.486	31.708	3.423	32.581
20.686	1.430	21.451	26.436	1.779	27.258	33.506	3.482	34.397
22.016	1.434	22.795	28.005	1.788	28.842	34.728	3.521	35.631
23.408	1.437	24.199	29.629	1.796	30.482	36.598	3.576	37.520
24.861	1.441	25.667	31.308	1.803	32.178	37.869	3.612	38.803
25.612	1.442	26.425	33.044	1.810	33.931	39.160	3.646	40.107
27.163	1.445	27.991	34.838	1.816	35.743	41.134	3.694	42.100
28.781	1.447	29.626	36.691	1.821	37.614	42.476	3.724	43.455

CONE ANGLE = 8.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
30.469	1.450	31.331	37.640	1.824	38.572	44.527	3.767	45.527
32.230	1.452	33.109	39.584	1.828	40.535	45.922	3.793	46.935
34.065	1.454	34.962	41.590	1.833	42.561	48.055	3.831	49.089
35.012	1.455	35.918	43.659	1.837	44.650	49.506	3.854	50.554
36.964	1.456	37.889	45.793	1.840	46.805	50.981	3.876	52.044
38.997	1.458	39.942	47.992	1.843	49.026	53.242	3.907	54.327
41.114	1.459	42.080	50.260	1.846	51.316	54.784	3.925	55.884
43.318	1.460	44.306	51.419	1.848	52.487	57.153	3.952	58.277
45.612	1.462	46.622	53.791	1.850	54.882	58.774	3.968	59.913
46.794	1.462	47.815	56.235	1.853	57.349	61.275	3.991	62.439
49.228	1.463	50.274	58.752	1.855	59.891	62.993	4.004	64.174
51.760	1.464	52.831	61.345	1.857	62.509	64.756	4.017	65.955
54.394	1.465	55.491	64.015	1.859	65.206	67.495	4.034	68.720
57.133	1.466	58.256	66.766	1.860	67.984	69.390	4.043	70.633
59.980	1.466	61.131	69.599	1.862	70.844	72.345	4.055	73.618
61.446	1.467	62.611	71.047	1.863	72.307	74.397	4.061	75.690
64.463	1.467	65.658	74.009	1.864	75.298	77.610	4.067	78.935
67.599	1.468	68.825	77.061	1.865	78.381	79.849	4.069	81.196
70.858	1.469	72.117	80.207	1.866	81.557	82.172	4.070	83.541
74.245	1.469	75.536	83.450	1.867	84.832	85.823	4.069	87.228
77.764	1.469	79.090	86.794	1.868	88.209	88.377	4.068	89.807
79.574	1.470	80.918	90.243	1.869	91.692	92.369	4.065	93.839
83.301	1.470	84.682	92.009	1.869	93.475	95.109	4.064	96.606
87.173	1.470	88.591	95.625	1.870	97.127	99.345	4.063	100.883
91.195	1.471	92.653	99.358	1.871	100.897	102.255	4.062	103.822
95.375	1.471	96.874	103.214	1.871	104.790	105.237	4.062	106.833
99.717	1.471	101.258	107.196	1.872	108.812	109.852	4.061	111.493
101.951	1.471	103.514	111.312	1.872	112.967	113.026	4.061	114.698
106.549	1.472	108.158	115.565	1.872	117.263	117.940	4.060	119.661
111.328	1.472	112.984	119.963	1.873	121.704	121.322	4.060	123.076
116.293	1.472	117.998	122.218	1.873	123.981	126.560	4.060	128.365
121.453	1.472	123.209	126.842	1.873	128.650	130.166	4.059	132.007
126.816	1.472	128.625	131.625	1.873	133.481	133.867	4.059	135.744
129.577	1.472	131.412	136.573	1.874	138.477	139.602	4.059	141.535
135.260	1.472	137.152	141.692	1.874	143.646	143.551	4.059	145.524
141.169	1.473	143.118	146.988	1.874	148.994	149.672	4.059	151.705
147.312	1.473	149.322	152.468	1.874	154.528	153.889	4.058	155.963
153.699	1.473	155.772	155.279	1.874	157.367	160.423	4.058	162.562
160.341	1.473	162.479	161.047	1.875	163.192	164.925	4.058	167.107
163.761	1.473	165.933	167.017	1.875	169.220	169.545	4.058	171.773
170.806	1.473	173.046	173.195	1.875	175.459	176.707	4.059	179.005
178.133	1.473	180.445	179.589	1.875	181.916	181.640	4.059	183.987
185.754	1.473	188.142	186.206	1.875	188.598	189.286	4.059	191.708
193.683	1.473	196.148	193.055	1.875	195.514	194.552	4.059	197.026
201.932	1.473	204.478	200.144	1.875	202.673	202.716	4.060	205.270

CONE ANGLE = 8.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.861	18.664	1.431	.861	32.734	1.431	.861	50.826	1.431
1.026	17.880	1.598	1.025	31.320	1.596	1.097	47.630	1.669
1.183	17.135	1.756	1.266	29.241	1.841	1.356	44.140	1.931
1.460	15.858	2.036	1.669	26.041	2.247	1.784	38.995	2.363
1.794	14.463	2.373	2.042	23.503	2.624	2.319	33.742	2.903
2.190	13.038	2.774	2.635	20.261	3.223	2.966	28.991	3.557
2.650	11.691	3.238	3.344	17.429	3.939	3.729	24.900	4.328
3.177	10.476	3.770	3.954	15.600	4.555	4.612	21.559	5.219
3.772	9.401	4.371	4.872	13.594	5.482	5.611	18.943	6.228
4.673	8.217	5.281	5.908	12.038	6.527	7.012	16.518	7.643
5.429	7.506	6.044	6.756	11.122	7.384	8.243	15.101	8.886
6.251	6.928	6.874	7.976	10.166	8.616	9.560	14.032	10.215
7.136	6.463	7.768	9.287	9.451	9.940	10.949	13.230	11.618
8.079	6.091	8.721	10.677	8.919	11.343	12.400	12.636	13.084
9.077	5.797	9.728	11.764	8.616	12.442	13.903	12.204	14.601
10.125	5.565	10.786	13.266	8.313	13.958	15.448	11.902	16.161
11.218	5.385	11.890	14.818	8.105	15.526	17.026	11.705	17.755
12.737	5.212	13.424	16.010	7.999	16.729	18.628	11.593	19.373
13.919	5.123	14.618	17.629	7.915	18.364	20.655	11.548	21.420
15.132	5.063	15.843	19.276	7.885	20.027	22.287	11.578	23.068
16.374	5.030	17.096	20.524	7.892	21.288	23.921	11.658	24.718
17.640	5.018	18.375	22.202	7.936	22.982	25.552	11.784	26.365
18.929	5.025	19.677	23.889	8.014	24.685	27.174	11.952	28.003
20.237	5.048	20.998	25.578	8.124	26.392	28.783	12.160	29.627
21.562	5.087	22.335	26.845	8.226	27.671	30.375	12.404	31.235
23.350	5.158	24.141	28.528	8.384	29.371	31.947	12.680	32.823
24.705	5.225	25.510	30.203	8.565	31.061	33.497	12.983	34.388
26.069	5.301	26.887	31.450	8.714	32.321	35.402	13.394	36.312
27.441	5.387	28.273	33.101	8.929	33.988	36.899	13.744	37.824
28.819	5.480	29.664	34.734	9.158	35.638	38.371	14.108	39.310
30.201	5.580	31.059	35.948	9.337	36.863	39.819	14.482	40.772
31.586	5.685	32.458	37.550	9.583	38.481	41.242	14.862	42.210
32.973	5.794	33.859	39.133	9.834	40.080	42.643	15.246	43.624
34.823	5.945	35.727	40.308	10.025	41.266	44.022	15.629	45.017
36.211	6.060	37.129	41.859	10.279	42.832	45.381	16.009	46.389
37.598	6.175	38.530	43.392	10.531	44.381	46.721	16.383	47.742
38.985	6.289	39.930	44.910	10.779	45.913	48.373	16.837	49.410
40.371	6.402	41.330	46.038	10.961	47.052	49.677	17.188	50.727
41.756	6.513	42.728	47.531	11.197	48.560	50.968	17.524	52.031
43.140	6.621	44.126	49.012	11.424	50.056	52.248	17.845	53.324
44.525	6.725	45.524	50.118	11.587	51.172	53.520	18.148	54.608
46.372	6.859	47.390	51.585	11.795	52.654	54.785	18.431	55.885
47.759	6.955	48.791	53.049	11.990	54.132	56.046	18.694	57.159
49.150	7.046	50.195	54.145	12.127	55.239	57.305	18.934	58.430
50.545	7.132	51.604	55.608	12.298	56.716	58.563	19.152	59.701

CONE ANGLE = 8.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
51.947	7.214	53.019	57.074	12.453	58.197	60.141	19.390	61.294
53.357	7.291	54.443	58.548	12.592	59.685	61.409	19.553	62.574
54.777	7.363	55.877	59.659	12.686	60.808	62.685	19.690	63.862
56.210	7.430	57.325	61.154	12.795	62.316	63.971	19.803	65.162
58.146	7.511	59.279	62.665	12.887	63.842	65.271	19.891	66.474
59.620	7.565	60.768	63.811	12.944	65.000	66.587	19.955	67.803
61.116	7.613	62.279	65.361	13.005	66.565	67.922	19.996	69.151
62.638	7.655	63.816	66.938	13.048	68.158	69.278	20.015	70.520
64.190	7.691	65.382	68.142	13.070	69.373	70.658	20.013	71.915
65.774	7.720	66.982	69.778	13.085	71.025	72.423	19.984	73.697
67.394	7.743	68.618	71.453	13.086	72.718	73.871	19.942	75.158
69.055	7.759	70.295	73.174	13.075	74.455	75.353	19.886	76.655
71.338	7.772	72.601	74.497	13.059	75.791	76.874	19.818	78.192
73.109	7.774	74.390	76.309	13.029	77.621	78.438	19.740	79.771
74.935	7.772	76.234	78.182	12.991	79.512	80.049	19.655	81.397
76.821	7.766	78.138	79.630	12.959	80.974	81.710	19.565	83.075
78.772	7.756	80.108	81.624	12.912	82.988	83.428	19.473	84.810
80.794	7.744	82.150	83.697	12.863	85.081	85.206	19.380	86.606
82.894	7.731	84.270	85.309	12.825	86.709	87.524	19.266	88.946
85.077	7.717	86.475	87.542	12.775	88.964	89.460	19.179	90.901
88.131	7.697	89.559	89.878	12.726	91.323	91.477	19.097	92.938
90.539	7.683	91.990	91.704	12.692	93.167	93.581	19.022	95.062
93.057	7.670	94.533	94.246	12.648	95.735	95.780	18.954	97.283
95.694	7.657	97.196	96.923	12.610	98.437	98.081	18.895	99.607
98.460	7.645	99.990	99.747	12.576	101.289	100.495	18.845	102.045
101.366	7.635	102.924	101.969	12.553	103.533	103.030	18.804	104.604
104.422	7.625	106.010	105.083	12.529	106.678	105.696	18.772	107.297
107.641	7.617	109.260	108.385	12.509	110.012	109.230	18.745	110.866
112.206	7.608	113.871	110.995	12.498	112.648	112.233	18.732	113.898
115.853	7.602	117.553	114.667	12.488	116.356	115.406	18.728	117.102
119.706	7.598	121.444	118.576	12.482	120.303	118.762	18.730	120.491
123.780	7.594	125.558	121.676	12.481	123.433	122.315	18.737	124.079
128.089	7.592	129.910	126.051	12.483	127.851	126.083	18.750	127.884
132.652	7.591	134.517	130.723	12.487	132.570	130.081	18.766	131.922
137.483	7.591	139.396	135.719	12.495	137.614	134.329	18.785	136.211
142.594	7.592	144.557	139.694	12.502	141.628	138.846	18.806	140.772
149.719	7.594	151.752	145.321	12.512	147.311	144.903	18.834	146.889
155.280	7.596	157.367	151.352	12.523	153.401	150.108	18.856	152.145
161.032	7.599	163.177	156.159	12.531	158.256	155.659	18.877	157.751
166.983	7.602	169.186	162.977	12.541	165.141	161.585	18.897	163.735
173.139	7.604	175.402	170.298	12.551	172.533	167.918	18.914	170.130
179.507	7.606	181.833	176.105	12.557	178.397	174.690	18.927	176.969
186.093	7.608	188.484	184.136	12.564	186.508	181.938	18.938	184.288
192.906	7.610	195.364	192.503	12.569	194.957	189.698	18.944	192.125
202.356	7.613	204.906	201.221	12.573	203.760	200.003	18.949	202.530

CONE ANGLE = 8.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
.861	72.934	1.431
1.096	68.325	1.669
1.355	63.285	1.930
1.905	53.952	2.486
2.466	46.498	3.052
3.326	38.384	3.921
4.147	33.014	4.749
5.084	28.729	5.696
6.413	24.707	7.038
7.591	22.340	8.228
9.188	20.170	9.840
10.550	18.905	11.216
11.975	17.955	12.655
13.829	17.109	14.527
15.358	16.645	16.071
17.311	16.270	18.043
18.898	16.100	19.645
20.899	16.016	21.666
22.505	16.036	23.288
24.109	16.124	24.907
26.102	16.324	26.921
27.682	16.549	28.516
29.632	16.907	30.485
31.167	17.247	32.035
32.678	17.630	33.561
34.531	18.160	35.432
35.983	18.620	36.899
37.760	19.231	38.693
39.151	19.741	40.098
40.853	20.399	41.816
42.186	20.936	43.162
43.495	21.477	44.484
45.099	22.152	46.104
46.358	22.688	47.376
47.906	23.345	48.938
49.124	23.856	50.168
50.326	24.352	51.383
51.810	24.944	52.881
52.984	25.394	54.066
54.437	25.921	55.534
55.592	26.313	56.700
57.027	26.762	58.149
58.171	27.087	59.304
59.314	27.381	60.459
60.744	27.702	61.902

CONE ANGLE = 8.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
61.891	27.921	63.061
63.332	28.148	64.516
64.494	28.292	65.689
65.665	28.403	66.872
67.146	28.495	68.368
68.347	28.535	69.581
69.872	28.542	71.121
71.115	28.518	72.375
72.699	28.452	73.975
73.994	28.375	75.283
75.317	28.279	76.619
77.014	28.137	78.333
78.409	28.010	79.742
80.206	27.838	81.557
81.690	27.695	83.055
83.218	27.549	84.598
85.197	27.368	86.596
86.840	27.226	88.255
88.975	27.057	90.411
90.754	26.931	92.208
93.075	26.787	94.551
95.016	26.685	96.512
97.038	26.595	98.554
99.691	26.502	101.232
101.920	26.443	103.484
104.854	26.388	106.447
107.329	26.358	108.946
109.927	26.341	111.569
113.360	26.335	115.036
116.269	26.341	117.973
120.125	26.360	121.867
123.400	26.383	125.174
127.753	26.418	129.570
131.460	26.451	133.314
135.383	26.487	137.276
140.617	26.533	142.561
145.091	26.570	147.079
151.075	26.614	153.121
156.203	26.647	158.300
161.661	26.676	163.811
168.989	26.705	171.212
175.292	26.721	177.577
183.774	26.735	186.142
191.085	26.740	193.525
200.940	26.740	203.477

CONE ANGLE = 9.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.844	1.637	1.414	.844	2.747	1.414	.844	9.220	1.414
.894	1.578	1.465	.953	2.690	1.524	.944	8.933	1.515
.949	1.620	1.520	1.016	2.697	1.588	1.079	8.719	1.652
1.068	1.649	1.641	1.156	2.654	1.730	1.333	8.167	1.919
1.204	1.648	1.778	1.319	2.591	1.895	1.529	7.763	2.108
1.356	1.639	1.933	1.507	2.518	2.086	1.868	7.129	2.451
1.527	1.625	2.106	1.723	2.437	2.304	2.261	6.498	2.849
1.718	1.608	2.299	1.968	2.349	2.552	2.712	5.912	3.306
1.931	1.587	2.514	2.245	2.257	2.832	3.046	5.559	3.644
2.166	1.562	2.752	2.555	2.166	3.146	3.598	5.085	4.203
2.424	1.535	3.014	2.900	2.085	3.496	4.211	4.685	4.823
2.707	1.512	3.301	3.279	2.013	3.880	4.654	4.460	5.271
3.016	1.492	3.614	3.692	1.949	4.297	5.367	4.178	5.993
3.352	1.475	3.953	4.138	1.896	4.750	6.136	3.957	6.773
3.715	1.461	4.321	4.620	1.853	5.237	6.969	3.786	7.606
3.907	1.455	4.515	5.136	1.820	5.760	7.537	3.696	8.191
4.313	1.446	4.926	5.688	1.795	6.319	8.442	3.591	9.107
4.748	1.440	5.367	6.276	1.778	6.914	9.391	3.518	10.168
5.214	1.436	5.839	6.901	1.768	7.547	10.047	3.484	10.732
5.711	1.435	6.342	7.562	1.764	8.216	11.061	3.452	11.759
6.240	1.436	6.877	8.262	1.765	8.924	12.111	3.440	12.822
6.801	1.439	7.445	8.999	1.769	9.671	13.194	3.444	13.918
7.396	1.444	8.048	9.776	1.778	10.457	13.932	3.456	14.665
8.025	1.450	8.685	10.593	1.789	11.284	15.063	3.483	15.810
8.690	1.456	9.357	11.451	1.802	12.153	16.220	3.522	16.982
9.390	1.464	10.067	12.352	1.817	13.065	17.006	3.552	17.778
10.127	1.471	10.813	13.294	1.832	14.020	18.205	3.605	18.992
10.903	1.478	11.598	14.276	1.849	15.013	19.427	3.664	20.229
11.717	1.486	12.422	15.296	1.865	16.046	20.672	3.729	21.489
12.571	1.493	13.287	16.354	1.882	17.118	21.514	3.773	22.342
13.013	1.497	13.735	17.452	1.897	18.229	22.795	3.843	23.638
13.929	1.503	14.662	18.589	1.912	19.380	24.096	3.914	24.956
14.888	1.510	15.633	19.765	1.926	20.571	25.418	3.985	26.294
15.890	1.516	16.648	20.982	1.939	21.803	26.311	4.032	27.198
16.937	1.521	17.708	22.238	1.952	23.075	27.666	4.102	28.571
18.031	1.526	18.815	23.535	1.963	24.388	29.042	4.170	29.964
19.172	1.531	19.970	24.873	1.973	25.743	29.970	4.214	30.903
20.361	1.535	21.175	26.253	1.982	27.139	31.379	4.277	32.330
21.601	1.539	22.430	27.674	1.991	28.579	32.809	4.337	33.778
22.893	1.543	23.738	29.139	1.999	30.061	34.259	4.394	35.246
24.238	1.546	25.100	30.646	2.006	31.588	35.238	4.429	36.237
25.638	1.549	26.517	32.197	2.012	33.158	36.725	4.480	37.743
27.094	1.552	27.991	33.793	2.018	34.774	38.236	4.527	39.273
28.608	1.555	29.524	35.435	2.024	36.436	39.258	4.556	40.307
30.181	1.557	31.117	37.122	2.028	38.145	40.813	4.598	41.882

CONE ANGLE = 9.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
30.991	1.558	31.937	38.857	2.033	39.901	42.400	4.636	43.488
32.658	1.560	33.624	40.640	2.037	41.706	44.021	4.672	45.129
34.388	1.562	35.377	42.471	2.041	43.560	45.124	4.693	46.246
36.186	1.563	37.196	44.353	2.044	45.465	46.814	4.723	47.957
38.051	1.565	39.085	46.286	2.047	47.423	48.553	4.750	49.718
39.988	1.566	41.046	48.272	2.050	49.433	49.743	4.766	50.923
41.997	1.568	43.080	50.312	2.053	51.499	51.579	4.788	52.781
44.081	1.569	45.190	52.409	2.055	53.622	53.482	4.805	54.709
46.242	1.570	47.378	54.563	2.057	55.803	55.461	4.819	56.712
48.484	1.571	49.648	56.778	2.059	58.045	56.826	4.825	58.094
50.808	1.572	52.001	59.055	2.061	60.351	58.948	4.832	60.243
53.217	1.572	54.440	61.398	2.063	62.723	61.168	4.835	62.490
55.716	1.573	56.970	63.809	2.064	65.164	62.707	4.835	64.149
58.305	1.574	59.592	66.290	2.066	67.676	65.112	4.834	66.483
60.989	1.575	62.309	68.846	2.067	70.264	67.640	4.831	69.043
62.368	1.575	63.705	71.480	2.068	72.930	70.305	4.828	71.741
65.201	1.575	66.573	74.194	2.069	75.678	72.163	4.826	73.622
68.138	1.576	69.547	76.993	2.070	78.512	75.082	4.823	76.577
71.182	1.576	72.629	79.880	2.070	81.435	78.172	4.820	79.706
74.338	1.577	75.824	82.859	2.071	84.452	81.447	4.818	83.122
77.610	1.577	79.137	85.934	2.071	87.565	83.736	4.817	85.339
81.003	1.577	82.572	89.108	2.072	90.778	87.280	4.815	88.927
84.522	1.578	86.135	92.385	2.072	94.096	90.956	4.814	92.649
88.171	1.578	89.830	95.769	2.073	97.523	93.483	4.813	95.208
91.957	1.578	93.663	99.265	2.073	101.062	97.392	4.812	99.166
95.885	1.578	97.640	102.875	2.073	104.717	101.451	4.811	103.275
99.961	1.578	101.767	106.605	2.074	108.494	105.665	4.810	107.542
104.191	1.579	106.049	110.458	2.074	112.395	108.564	4.810	110.476
108.581	1.579	110.494	114.439	2.074	116.426	113.050	4.809	115.019
113.139	1.579	115.109	118.553	2.075	120.590	117.710	4.809	119.737
115.483	1.579	117.482	122.803	2.075	124.893	120.915	4.809	122.982
120.304	1.579	122.363	127.195	2.075	129.340	125.877	4.809	128.006
125.311	1.579	127.433	131.733	2.075	133.935	131.029	4.809	133.222
130.511	1.579	132.697	136.423	2.075	138.683	136.379	4.810	138.639
135.912	1.579	138.165	141.269	2.075	143.590	140.060	4.810	142.365
141.521	1.579	143.845	146.278	2.076	148.661	145.757	4.811	148.133
147.349	1.579	149.745	151.455	2.076	153.903	151.673	4.811	154.123
153.403	1.580	155.874	156.806	2.076	159.320	155.743	4.812	158.244
159.692	1.580	162.242	162.336	2.076	164.919	162.042	4.812	164.622
166.227	1.580	168.858	168.052	2.076	170.707	168.585	4.813	171.246
173.016	1.580	175.733	173.961	2.076	176.689	175.378	4.813	178.124
180.071	1.580	182.876	180.068	2.076	182.872	180.052	4.814	182.856
187.402	1.580	190.298	186.381	2.076	189.264	187.287	4.814	190.182
195.019	1.580	198.010	192.907	2.076	195.871	194.801	4.815	197.789
202.935	1.580	206.024	203.111	2.076	206.202	202.604	4.815	205.689

CONE ANGLE = 9.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.844	19.999	1.414	.844	35.089	1.414	.844	54.493	1.414
1.002	19.177	1.574	1.071	32.962	1.644	1.070	51.147	1.643
1.151	18.407	1.725	1.318	30.661	1.894	1.316	47.534	1.892
1.514	16.606	2.093	1.720	27.281	2.301	1.830	40.902	2.413
1.844	15.161	2.427	2.213	23.875	2.800	2.344	35.639	2.933
2.366	13.271	2.956	2.803	20.771	3.397	3.123	29.898	3.722
2.823	11.990	3.418	3.492	18.107	4.095	3.858	26.084	4.465
3.521	10.500	4.125	4.281	15.923	4.894	4.689	23.029	5.307
4.112	9.563	4.723	5.165	14.211	5.790	5.855	20.159	6.488
4.987	8.557	5.609	6.139	12.904	6.775	6.879	18.476	7.524
5.705	7.962	6.336	7.190	11.921	7.840	8.253	16.952	8.916
6.739	7.348	7.382	8.310	11.192	8.973	9.416	16.085	10.293
7.565	6.997	8.219	9.487	10.660	10.165	10.623	15.457	11.315
8.431	6.722	9.096	10.711	10.282	11.404	12.180	14.933	12.892
9.639	6.452	10.319	11.973	10.026	12.682	13.455	14.679	14.183
10.580	6.309	11.271	13.265	9.870	13.990	15.074	14.521	15.821
11.873	6.182	12.581	14.579	9.793	15.320	16.380	14.497	17.144
12.869	6.127	13.589	15.909	9.781	16.667	18.019	14.567	18.803
14.223	6.098	14.960	17.250	9.823	18.024	19.328	14.690	20.129
15.256	6.104	16.006	18.595	9.909	19.386	20.630	14.867	21.447
16.652	6.145	17.419	19.940	10.033	20.748	22.242	15.157	23.179
17.710	6.195	18.490	21.281	10.191	22.106	23.516	15.440	24.369
19.131	6.286	19.929	22.614	10.381	23.455	25.083	15.851	25.955
20.202	6.368	21.013	23.935	10.598	24.793	26.314	16.221	27.202
21.634	6.495	22.463	25.243	10.841	26.117	27.525	16.623	28.428
22.709	6.602	23.552	26.534	11.106	27.424	29.008	17.161	29.929
23.784	6.717	24.640	27.808	11.389	28.715	30.169	17.614	31.135
25.214	6.881	26.088	29.064	11.686	29.986	31.591	18.201	32.544
26.283	7.011	27.171	30.302	11.993	31.239	32.705	18.680	33.672
27.703	7.191	28.608	31.521	12.307	32.474	34.070	19.285	35.054
28.763	7.329	29.681	32.723	12.623	33.690	35.142	19.767	36.139
30.168	7.515	31.104	33.907	12.939	34.890	36.196	20.244	37.207
31.216	7.655	32.165	35.076	13.252	36.073	37.493	20.826	38.520
32.636	7.840	33.572	36.231	13.559	37.242	38.515	21.276	39.555
33.644	7.976	34.623	37.373	13.857	38.398	39.776	21.815	40.832
35.020	8.152	36.017	38.504	14.144	39.544	40.774	22.223	41.842
36.049	8.280	37.058	39.626	14.418	40.679	41.764	22.608	42.844
37.417	8.444	38.443	40.741	14.677	41.808	42.992	23.053	44.087
38.442	8.561	39.481	41.850	14.920	42.931	43.969	23.379	45.076
39.466	8.673	40.518	42.957	15.145	44.052	45.187	23.744	46.310
40.834	8.813	41.903	44.063	15.350	45.171	46.160	24.003	47.295
41.863	8.912	42.945	45.170	15.535	46.292	47.379	24.283	48.529
43.247	9.032	44.341	46.281	15.698	47.417	48.358	24.472	49.520
44.284	9.115	45.396	47.398	15.840	48.548	49.342	24.630	50.517
45.686	9.215	46.815	48.523	15.961	49.687	50.583	24.785	51.773

CONE ANGLE = 9.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
46.749	9.280	47.892	49.945	16.080	51.128	51.586	24.875	52.789
48.187	9.356	49.347	51.099	16.152	52.296	52.857	24.948	54.175
49.282	9.404	50.455	52.270	16.203	53.481	53.889	24.976	55.120
50.768	9.455	51.960	53.460	16.235	54.686	54.937	24.979	56.182
51.905	9.485	53.112	54.673	16.249	55.914	56.274	24.949	57.535
53.456	9.513	54.682	55.912	16.246	57.168	57.367	24.901	58.642
54.648	9.525	55.888	57.179	16.229	58.452	58.766	24.816	60.059
55.867	9.531	57.123	58.479	16.199	59.768	59.916	24.731	61.222
57.539	9.530	58.816	59.815	16.158	61.121	61.394	24.607	62.719
58.833	9.524	60.126	61.191	16.107	62.514	62.613	24.497	63.954
60.615	9.509	61.930	62.611	16.050	63.951	63.868	24.382	65.224
61.999	9.495	63.331	64.079	15.988	65.437	65.492	24.234	66.868
63.914	9.472	65.271	65.600	15.923	66.977	66.838	24.115	68.231
65.408	9.453	66.783	67.179	15.857	68.576	68.588	23.971	70.002
67.483	9.427	68.884	68.822	15.791	70.240	70.045	23.862	71.478
69.109	9.407	70.530	70.535	15.729	71.973	71.558	23.759	73.009
71.377	9.380	72.826	72.323	15.670	73.784	73.534	23.643	75.010
73.160	9.362	74.632	74.194	15.616	75.679	75.189	23.561	76.686
75.658	9.338	77.161	76.156	15.567	77.665	77.359	23.475	78.383
77.630	9.323	79.157	78.217	15.526	79.751	79.184	23.419	80.731
79.693	9.308	81.246	80.384	15.491	81.946	81.586	23.365	83.162
82.597	9.292	84.187	82.669	15.463	84.259	83.612	23.334	85.214
84.900	9.281	86.518	85.080	15.442	86.700	85.740	23.315	87.768
88.152	9.270	89.810	87.629	15.428	89.281	88.554	23.303	90.218
90.737	9.264	92.428	90.328	15.420	92.014	90.940	23.304	92.633
94.396	9.258	96.133	93.189	15.418	94.911	94.105	23.314	95.838
97.312	9.256	99.085	96.226	15.420	97.985	96.795	23.330	98.562
101.446	9.254	103.271	99.453	15.427	101.253	99.639	23.350	101.441
104.746	9.255	106.612	102.886	15.436	104.728	103.426	23.380	105.275
109.434	9.258	111.357	106.542	15.448	108.430	106.659	23.408	108.548
113.180	9.261	115.150	110.440	15.462	112.376	110.976	23.444	112.919
118.506	9.266	120.543	114.598	15.477	116.586	114.670	23.474	116.659
122.767	9.270	124.857	119.039	15.493	121.083	119.617	23.510	121.668
127.200	9.274	129.345	123.786	15.507	125.889	123.861	23.536	125.965
133.340	9.279	135.562	128.865	15.521	131.031	128.383	23.559	130.543
138.124	9.283	140.405	134.302	15.533	136.535	134.460	23.582	136.696
144.749	9.287	147.113	140.126	15.543	142.433	139.692	23.595	141.993
149.910	9.290	152.338	146.355	15.550	148.739	146.739	23.606	149.127
157.058	9.293	159.576	152.869	15.556	155.334	152.816	23.610	155.281
162.627	9.295	165.214	159.649	15.559	162.199	159.295	23.611	161.840
170.340	9.297	173.023	166.707	15.561	169.345	167.783	23.610	170.434
176.350	9.298	179.108	174.055	15.562	176.784	174.875	23.608	177.614
184.676	9.299	187.537	181.707	15.562	184.532	184.137	23.604	186.992
191.163	9.300	194.106	189.676	15.562	192.600	191.879	23.601	194.830
200.152	9.301	203.207	200.106	15.561	203.160	201.994	23.597	205.272

CONE ANGLE = 9.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
.844	78.210	1.414
1.069	73.374	1.642
1.406	66.308	1.984
1.947	56.677	2.531
2.483	49.241	3.074
3.291	41.273	3.891
4.251	34.906	4.864
5.125	31.001	5.749
6.337	27.363	6.976
7.664	24.794	8.319
8.793	23.312	9.462
10.271	21.994	10.959
11.806	21.126	12.512
13.063	20.680	13.786
14.660	20.363	15.402
16.272	20.253	17.035
17.565	20.282	18.344
19.177	20.437	19.976
20.776	20.709	21.595
22.041	21.005	22.875
23.598	21.465	24.451
25.124	22.017	25.997
26.321	22.519	27.208
27.784	23.209	28.690
29.211	23.960	30.135
30.327	24.593	31.264
31.689	25.417	32.644
33.017	26.263	33.989
34.057	26.949	35.041
35.329	27.806	36.329
36.574	28.655	37.589
37.551	29.319	38.579
38.753	30.126	39.796
39.935	30.896	40.993
40.869	31.482	41.938
42.022	32.171	43.106
43.164	32.805	44.262
44.072	33.271	45.181
45.200	33.798	46.323
46.324	34.262	47.462
47.224	34.587	48.372
48.349	34.933	49.512
49.480	35.214	50.656
50.390	35.392	51.578
51.537	35.556	52.739

CONE ANGLE = 9.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
52.698	35.659	53.915
53.876	35.703	55 107
54.833	35.698	56.076
56.049	35.646	57.308
57.292	35.547	58.566
58.308	35.438	59.595
59.608	35.272	60.910
60.944	35.078	62.264
62.043	34.908	63.376
63.457	34.685	64.808
64.920	34.455	66.289
66.129	34.271	67.513
67.693	34.047	69.096
69.321	33.835	70.744
70.673	33.676	72.114
72.432	33.494	73.894
74.273	33.335	75.759
75.811	33.226	77.315
77.821	33.113	79.350
79.937	33.027	81.493
81.712	32.976	83.290
84.045	32.935	85.652
86.513	32.916	88.151
88.594	32.915	90.258
91.340	32.929	93.038
94.260	32.958	95.995
96.732	32.990	98.498
100.008	33.037	101.814
103.507	33.092	105.357
106.482	33.138	108.369
110.440	33.198	112.376
114.689	33.257	116.678
118.317	33.301	120.351
123.164	33.351	125.259
128.394	33.391	130.554
132.879	33.417	135.095
138.897	33.438	141.188
145.417	33.449	147.790
151.029	33.452	153.471
158.583	33.450	161.119
166.766	33.443	169.405
173.640	33.436	176.364
182.608	33.427	185.444
192.014	33.419	194.967
201.882	33.412	204.958

CONE ANGLE = 10.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.826	1.734	1.396	.826	2.925	1.396	.826	9.861	1.396
.929	1.716	1.501	.932	2.864	1.504	.982	9.498	1.555
.986	1.738	1.558	.993	2.871	1.565	1.127	9.161	1.702
1.110	1.748	1.684	1.129	2.827	1.704	1.380	8.576	1.958
1.249	1.741	1.826	1.287	2.761	1.864	1.676	7.942	2.259
1.406	1.728	1.985	1.468	2.686	2.048	2.019	7.306	2.607
1.581	1.712	2.163	1.675	2.601	2.258	2.410	6.686	3.005
1.776	1.692	2.360	2.037	2.466	2.626	2.853	6.140	3.454
1.991	1.670	2.579	2.316	2.368	2.909	3.346	5.659	3.954
2.228	1.643	2.820	2.621	2.282	3.219	3.890	5.251	4.507
2.488	1.615	3.083	2.954	2.207	3.556	4.483	4.917	5.109
2.771	1.593	3.371	3.314	2.140	3.922	5.123	4.650	5.759
3.078	1.575	3.683	3.702	2.083	4.317	5.808	4.442	6.455
3.411	1.561	4.021	4.120	2.036	4.740	6.534	4.284	7.192
3.769	1.549	4.384	4.800	1.984	5.431	7.297	4.168	7.966
4.154	1.540	4.775	5.290	1.961	5.929	8.093	4.087	8.775
4.565	1.534	5.193	5.809	1.945	6.456	8.920	4.035	9.615
5.004	1.531	5.638	6.357	1.935	7.013	9.774	4.009	10.482
5.471	1.531	6.113	6.935	1.932	7.599	10.652	4.003	11.373
5.967	1.534	6.616	7.543	1.934	8.216	11.551	4.016	12.287
6.492	1.538	7.149	8.180	1.940	8.863	12.470	4.043	13.219
7.046	1.544	7.712	9.192	1.955	9.891	13.406	4.084	14.170
7.631	1.550	8.306	9.905	1.968	10.614	14.357	4.136	15.136
8.248	1.558	8.932	10.649	1.984	11.370	15.324	4.197	16.117
8.895	1.566	9.590	11.425	2.001	12.159	16.303	4.265	17.112
9.575	1.574	10.280	12.235	2.018	12.981	17.295	4.339	18.118
10.288	1.583	11.004	13.078	2.037	13.837	18.297	4.416	19.137
11.035	1.591	11.762	13.957	2.055	14.729	19.311	4.497	20.166
11.816	1.599	12.555	15.343	2.082	16.137	20.335	4.579	21.206
12.631	1.607	13.384	16.316	2.100	17.125	21.368	4.662	22.255
13.923	1.617	14.695	17.324	2.116	18.149	22.410	4.744	23.313
14.830	1.624	15.616	18.364	2.132	19.204	23.461	4.825	24.380
15.775	1.630	16.576	19.434	2.147	20.291	24.521	4.903	25.456
16.759	1.636	17.575	20.535	2.160	21.409	25.589	4.979	26.541
17.782	1.641	18.614	21.668	2.172	22.559	26.666	5.052	27.635
18.847	1.646	19.694	23.425	2.189	24.344	27.752	5.121	28.738
19.952	1.650	20.817	24.637	2.199	25.574	28.848	5.186	29.951
21.101	1.654	21.983	25.880	2.208	26.837	29.955	5.248	30.974
22.293	1.658	23.194	27.156	2.216	28.132	31.074	5.306	32.110
23.530	1.661	24.450	28.465	2.224	29.461	32.206	5.360	33.260
24.813	1.664	25.753	29.808	2.231	30.825	33.354	5.410	34.426
26.143	1.667	27.104	31.184	2.237	32.222	34.520	5.457	35.610
27.522	1.670	28.504	33.314	2.246	34.385	35.707	5.499	36.815
28.950	1.672	29.954	34.778	2.251	35.871	36.917	5.538	38.044
30.430	1.674	31.457	36.278	2.255	37.395	38.155	5.573	39.301

CONE ANGLE = 10.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
31.962	1.676	33.012	37.817	2.259	38.957	39.424	5.603	40.589
33.548	1.678	34.623	39.394	2.263	40.559	40.727	5.629	41.913
35.190	1.680	36.290	41.011	2.267	42.200	42.070	5.650	43.276
36.888	1.681	38.015	43.514	2.271	44.743	43.455	5.666	44.683
38.646	1.682	39.800	45.238	2.274	46.493	44.889	5.678	46.139
40.465	1.684	41.646	47.008	2.277	48.291	46.375	5.685	47.648
42.346	1.685	43.557	48.826	2.279	50.137	47.919	5.689	49.216
44.292	1.686	45.533	50.694	2.281	52.034	49.527	5.689	50.848
46.305	1.687	47.577	52.615	2.283	53.984	51.203	5.687	52.550
48.388	1.688	49.691	54.591	2.284	55.991	52.955	5.683	54.329
50.542	1.689	51.879	57.664	2.286	59.111	54.790	5.678	56.192
52.771	1.689	54.142	59.789	2.287	61.269	56.715	5.674	58.147
55.077	1.690	56.483	61.978	2.288	63.491	58.737	5.669	60.200
57.463	1.691	58.907	64.234	2.289	65.782	60.865	5.665	62.362
59.933	1.691	61.415	66.559	2.290	68.143	63.109	5.660	64.640
63.802	1.692	65.343	68.956	2.291	70.577	65.478	5.657	67.046
66.496	1.692	68.079	71.427	2.291	73.086	67.983	5.653	69.589
69.286	1.692	70.912	75.281	2.292	76.999	70.634	5.650	72.281
72.176	1.693	73.847	77.951	2.292	79.710	73.444	5.648	75.134
75.171	1.693	76.888	80.705	2.293	82.507	76.422	5.645	78.158
78.275	1.693	80.039	83.547	2.293	85.393	79.530	5.643	81.314
81.492	1.693	83.306	86.479	2.293	88.370	82.753	5.642	84.586
84.826	1.694	86.692	89.504	2.294	91.442	86.095	5.641	87.981
88.284	1.694	90.203	92.625	2.294	94.612	89.562	5.641	91.501
91.870	1.694	93.844	97.496	2.294	99.557	93.158	5.641	95.152
95.588	1.694	97.620	100.873	2.295	102.987	96.887	5.641	98.939
99.445	1.694	101.537	104.359	2.295	106.526	100.755	5.642	102.867
103.446	1.694	105.599	107.957	2.295	110.180	104.767	5.643	106.940
107.597	1.695	109.814	111.671	2.295	113.951	108.927	5.644	111.164
111.903	1.695	114.186	115.505	2.295	117.844	113.241	5.645	115.545
116.371	1.695	118.723	119.462	2.295	121.862	117.715	5.646	120.088
121.006	1.695	123.430	125.640	2.296	128.135	122.356	5.646	124.803
125.816	1.695	128.314	129.925	2.296	132.487	127.168	5.647	129.687
130.807	1.695	133.382	134.350	2.296	136.979	132.159	5.648	134.755
135.986	1.695	138.641	138.918	2.296	141.618	137.335	5.649	140.011
141.361	1.695	144.099	143.634	2.296	146.407	142.703	5.649	145.462
146.938	1.696	149.762	148.503	2.296	151.351	148.271	5.650	151.115
152.726	1.696	155.639	153.531	2.296	156.456	154.045	5.651	156.978
158.732	1.696	161.738	161.380	2.296	164.427	160.034	5.651	163.060
164.965	1.696	168.067	166.827	2.296	169.957	166.245	5.652	169.367
171.434	1.696	174.636	172.450	2.296	175.668	172.688	5.652	175.909
178.148	1.696	181.453	178.257	2.296	181.564	179.370	5.652	182.695
185.116	1.696	188.529	184.253	2.296	187.652	186.302	5.653	189.733
192.347	1.696	195.871	190.444	2.296	193.939	193.492	5.653	197.034
203.710	1.696	207.410	200.111	2.296	203.755	200.950	5.653	204.667

CONE ANGLE = 10.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.826	21.412	1.396	.826	37.581	1.396	.826	58.367	1.396
.979	20.553	1.551	1.044	35.366	1.618	1.043	54.887	1.617
1.197	19.331	1.772	1.275	33.029	1.851	1.358	49.919	1.936
1.553	17.456	2.134	1.646	29.614	2.229	1.747	44.513	2.331
1.987	15.519	2.575	2.221	25.344	2.812	2.344	37.923	2.937
2.367	14.118	2.961	2.774	22.288	3.374	3.070	32.289	3.675
2.948	12.475	3.551	3.411	19.688	4.021	3.744	28.573	4.359
3.615	11.091	4.228	4.321	17.113	4.945	4.696	24.978	5.325
4.364	9.987	4.989	5.134	15.565	5.770	5.755	22.388	6.401
5.191	9.140	5.828	6.013	14.394	6.663	6.668	20.889	7.328
5.856	8.649	6.504	7.189	13.349	7.857	7.874	19.558	8.552
6.797	8.151	7.459	8.180	12.772	8.863	9.134	18.686	9.832
7.790	7.798	8.467	9.205	12.372	9.904	10.171	18.240	10.885
8.825	7.558	9.519	10.523	12.069	11.243	11.491	17.929	12.226
9.895	7.409	10.605	11.598	11.951	12.334	12.827	17.830	13.582
10.715	7.346	11.438	12.686	11.922	13.438	13.900	17.870	14.672
11.828	7.316	12.568	14.054	11.984	14.828	15.240	18.033	16.132
12.957	7.338	13.714	15.150	12.096	15.941	16.571	18.299	17.383
14.098	7.401	14.873	16.244	12.254	17.051	17.624	18.575	18.453
14.959	7.471	15.746	17.331	12.450	18.156	18.923	18.994	19.772
16.109	7.589	16.915	18.677	12.744	19.523	20.198	19.488	21.167
17.261	7.731	18.084	19.741	13.014	20.603	21.198	19.934	22.383
18.410	7.894	19.252	20.790	13.314	21.668	22.423	20.545	23.326
19.555	8.073	20.414	22.080	13.722	22.978	23.618	21.207	24.540
20.409	8.218	21.281	23.094	14.072	24.007	24.553	21.764	25.489
21.540	8.421	22.430	24.090	14.438	25.019	25.696	22.485	26.649
22.661	8.634	23.568	25.313	14.910	26.261	26.811	23.222	27.782
23.772	8.854	24.696	26.273	15.294	27.235	27.685	23.816	28.669
24.872	9.077	25.813	27.218	15.679	28.195	28.756	24.552	29.757
25.690	9.244	26.644	28.379	16.157	29.374	29.806	25.274	30.823
26.772	9.466	27.742	29.293	16.531	30.302	30.633	25.834	31.663
27.844	9.683	28.831	30.197	16.895	31.220	31.651	26.504	32.697
28.908	9.894	29.911	31.313	17.330	32.353	32.656	27.136	33.717
29.701	10.047	30.717	32.197	17.659	33.251	33.451	27.608	34.524
30.755	10.243	31.786	33.075	17.968	34.142	34.437	28.152	35.525
31.804	10.428	32.852	34.166	18.324	35.250	35.417	28.641	36.520
32.853	10.600	33.917	35.036	18.582	36.133	36.197	28.991	37.313
33.903	10.760	34.983	35.905	18.815	37.016	37.172	29.376	38.303
34.692	10.870	35.784	36.775	19.022	37.900	38.148	29.700	39.294
35.750	11.003	36.858	37.867	19.243	39.008	38.931	29.917	40.089
36.815	11.121	37.940	38.745	19.390	39.900	39.916	30.136	41.089
37.892	11.222	39.033	39.631	19.511	40.799	40.909	30.298	42.098
38.982	11.306	40.141	40.749	19.626	41.935	41.713	30.388	42.913
39.811	11.358	40.982	41.657	19.691	42.856	42.730	30.454	43.946
40.932	11.413	42.121	42.577	19.732	43.791	43.764	30.472	44.997

CONE ANGLE = 10.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
42.076	11.452	43.282	43.748	19.755	44.980	44.606	30.454	45.852
43.246	11.476	44.470	44.705	19.751	45.952	45.680	30.395	46.842
44.142	11.486	45.381	45.682	19.730	46.944	46.781	30.299	48.059
45.366	11.488	46.623	46.935	19.683	48.217	47.682	30.199	48.975
46.626	11.480	47.903	47.966	19.630	49.264	48.839	30.053	50.150
47.927	11.463	49.224	49.025	19.567	50.339	50.033	29.887	51.362
49.274	11.440	50.591	50.393	19.476	51.728	51.017	29.746	52.361
50.317	11.419	51.650	51.526	19.397	52.878	52.287	29.564	53.651
51.755	11.387	53.111	52.697	19.315	54.067	53.606	29.382	54.991
53.254	11.353	54.633	53.909	19.232	55.298	54.700	29.241	56.101
54.820	11.318	56.223	55.488	19.131	56.901	56.120	29.073	57.543
56.460	11.284	57.888	56.807	19.054	58.241	57.603	28.919	59.049
57.742	11.258	59.190	58.180	18.982	59.635	58.839	28.809	60.304
59.530	11.226	61.005	59.980	18.902	61.463	60.453	28.688	61.943
61.413	11.198	62.918	61.494	18.846	62.999	62.149	28.589	63.665
63.402	11.172	64.938	63.077	18.799	64.608	63.570	28.525	65.108
64.969	11.156	66.529	65.166	18.752	66.729	65.436	28.455	67.002
67.168	11.137	68.761	66.932	18.724	68.522	67.407	28.425	69.004
69.502	11.123	71.131	68.790	18.704	70.408	69.068	28.408	70.691
71.984	11.112	73.651	71.253	18.691	72.909	71.258	28.400	72.915
74.627	11.106	76.336	73.346	18.687	75.035	73.586	28.407	75.278
76.724	11.104	78.465	75.558	18.689	77.281	75.555	28.422	77.278
79.685	11.103	81.472	78.505	18.699	80.273	78.164	28.449	79.927
82.850	11.106	84.686	81.020	18.711	82.827	80.951	28.484	82.757
86.237	11.110	88.125	83.688	18.726	85.537	83.319	28.516	85.162
89.864	11.116	91.808	87.257	18.748	89.160	86.470	28.561	88.361
92.755	11.121	94.743	90.315	18.768	92.266	89.852	28.607	91.795
96.854	11.128	98.905	93.571	18.788	95.571	92.739	28.644	94.726
101.253	11.136	103.372	97.039	18.807	99.093	96.596	28.687	98.643
105.979	11.143	108.171	101.701	18.830	103.827	100.756	28.725	102.868
109.710	11.148	111.959	105.714	18.846	107.902	104.324	28.750	106.490
114.871	11.154	117.200	110.003	18.859	112.257	109.110	28.774	111.351
120.254	11.159	122.667	115.786	18.870	118.129	114.295	28.789	116.616
125.869	11.163	128.368	120.778	18.876	123.198	118.758	28.796	121.147
131.726	11.166	134.316	126.066	18.880	128.568	124.765	28.799	127.246
136.285	11.168	138.945	132.977	18.882	135.585	131.287	28.798	133.869
142.593	11.169	145.350	138.756	18.883	141.454	136.795	28.794	139.463
149.176	11.170	152.034	144.770	18.883	147.561	143.984	28.789	146.762
156.045	11.171	159.009	152.633	18.881	155.545	151.528	28.783	154.423
163.214	11.171	166.289	159.213	18.880	162.226	157.831	28.779	160.823
168.796	11.172	171.957	166.063	18.878	169.182	166.063	28.775	169.181
176.524	11.172	179.804	175.023	18.877	178.280	174.704	28.772	177.956
184.591	11.172	187.996	182.523	18.876	185.896	181.927	28.772	185.290
193.013	11.172	196.548	190.332	18.876	193.825	191.360	28.772	194.869
201.806	11.172	205.476	200.548	18.877	204.199	201.265	28.773	204.927

CONE ANGLE = 10.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
.826	83.775	1.396
1.043	78.749	1.616
1.357	71.580	1.935
1.853	61.840	2.439
2.474	52.539	3.070
3.224	44.730	3.831
4.100	38.533	4.721
5.093	33.944	5.729
6.185	30.671	6.837
7.117	28.784	7.784
8.339	27.118	9.024
9.607	26.037	10.312
10.906	25.398	11.632
12.225	25.099	12.970
13.551	25.056	14.317
14.875	25.206	15.662
16.190	25.507	16.997
17.489	25.934	18.316
18.513	26.360	19.355
19.770	26.993	20.632
20.998	27.730	21.879
22.196	28.559	23.096
23.363	29.466	24.281
24.499	30.436	25.434
25.605	31.452	26.557
26.682	32.496	27.651
27.733	33.552	28.718
28.555	34.396	29.553
29.563	35.437	30.576
30.550	36.449	31.579
31.520	37.421	32.563
32.474	38.341	33.532
33.415	39.200	34.488
34.346	39.991	35.433
35.268	40.709	36.369
36.184	41.348	37.300
36.915	41.803	38.042
37.827	42.297	38.968
38.740	42.711	39.895
39.657	43.045	40.826
40.579	43.300	41.762
41.510	43.478	42.707
42.451	43.583	43.663
43.407	43.618	44.634
44.378	43.588	45.620

CONE ANGLE = 10.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
45.169	43.520	46.423
46.177	43.387	47.446
47.208	43.206	48.494
48.267	42.986	49.569
49.355	42.737	50.674
50.477	42.469	51.813
51.635	42.191	52.988
52.833	41.911	54.205
54.074	41.638	55.466
55.102	41.429	56.509
56.433	41.185	57.861
57.820	40.964	59.269
59.268	40.771	60.740
60.783	40.607	62.277
62.369	40.476	63.889
64.035	40.376	65.580
65.787	40.306	67.359
67.633	40.265	69.234
69.183	40.251	70.807
71.219	40.253	72.875
73.374	40.275	75.064
75.660	40.313	77.384
78.087	40.364	79.849
80.670	40.425	82.471
83.422	40.493	85.266
86.359	40.565	88.249
89.501	40.638	91.439
92.175	40.695	94.154
95.737	40.760	97.771
99.566	40.817	101.660
103.690	40.862	105.847
108.139	40.894	110.365
112.947	40.913	115.246
118.149	40.922	120.529
123.787	40.922	126.253
129.901	40.915	132.462
135.166	40.906	137.809
142.122	40.892	144.871
149.412	40.881	152.274
157.057	40.872	160.037
165.073	40.865	168.177
173.481	40.861	176.714
182.299	40.861	185.669
191.548	40.862	195.060
201.249	40.865	204.910

CONE ANGLE = 15.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.741	2.285	1.309	.741	3.949	1.309	.741	13.613	1.309
.832	2.268	1.403	.826	3.880	1.397	.916	13.064	1.490
.934	2.306	1.509	.935	3.871	1.509	1.080	12.510	1.659
1.049	2.306	1.628	1.119	3.774	1.700	1.332	11.702	1.920
1.246	2.289	1.832	1.328	3.656	1.916	1.700	10.683	2.302
1.395	2.271	1.985	1.561	3.530	2.158	2.038	9.942	2.652
1.645	2.239	2.245	1.821	3.407	2.426	2.413	9.265	3.040
1.832	2.216	2.438	2.105	3.287	2.721	2.822	8.754	3.463
2.142	2.176	2.759	2.417	3.181	3.044	3.376	8.275	4.037
2.368	2.148	2.993	2.754	3.109	3.393	3.846	8.023	4.524
2.734	2.130	3.372	3.116	3.054	3.768	4.336	7.866	5.031
2.996	2.123	3.643	3.502	3.018	4.167	4.967	7.783	5.684
3.415	2.117	4.078	3.910	3.000	4.590	5.482	7.790	6.217
3.713	2.118	4.386	4.339	2.996	5.034	6.002	7.849	6.756
4.186	2.125	4.875	4.788	3.006	5.498	6.526	7.950	7.298
4.519	2.133	5.220	5.254	3.025	5.981	7.181	8.124	7.976
5.046	2.149	5.765	5.737	3.053	6.481	7.705	8.291	8.519
5.415	2.161	6.147	6.235	3.087	6.997	8.228	8.474	9.060
5.995	2.180	6.748	6.749	3.125	7.528	8.878	8.716	9.733
6.400	2.194	7.167	7.276	3.165	8.075	9.395	8.914	10.268
7.035	2.215	7.825	7.818	3.207	8.635	9.908	9.113	10.800
7.478	2.228	8.283	8.373	3.250	9.210	10.419	9.310	11.328
8.171	2.248	9.001	8.942	3.292	9.799	11.052	9.553	11.983
8.653	2.261	9.500	9.525	3.333	10.403	11.555	9.743	12.504
9.407	2.279	10.281	10.123	3.372	11.022	12.056	9.928	13.023
9.932	2.290	10.824	10.737	3.408	11.657	12.680	10.148	13.669
10.752	2.305	11.673	11.366	3.442	12.309	13.178	10.314	14.185
11.322	2.315	12.263	12.014	3.473	12.979	13.677	10.469	14.701
12.210	2.328	13.182	12.680	3.502	13.669	14.177	10.611	15.219
12.821	2.336	13.815	13.366	3.528	14.379	14.807	10.769	15.871
13.769	2.346	14.796	13.835	3.543	14.865	15.316	10.879	16.398
14.754	2.355	15.816	14.558	3.565	15.613	15.830	10.973	16.930
15.432	2.361	16.518	15.306	3.584	16.387	16.352	11.051	17.470
16.483	2.368	17.606	16.081	3.601	17.190	17.016	11.127	18.158
17.207	2.372	18.356	16.887	3.616	18.024	17.559	11.170	18.729
18.331	2.378	19.519	17.726	3.629	18.893	18.115	11.200	19.295
19.106	2.381	20.322	18.602	3.640	19.800	18.828	11.221	20.034
20.310	2.385	21.568	19.519	3.650	20.750	19.417	11.226	20.644
21.142	2.388	22.429	20.481	3.657	21.745	20.024	11.222	21.272
22.435	2.391	23.769	21.492	3.663	22.792	20.650	11.212	21.920
23.330	2.393	24.695	22.557	3.668	23.895	21.465	11.193	22.763
24.723	2.395	26.137	23.681	3.671	25.058	22.144	11.175	23.467
25.687	2.396	27.135	24.869	3.673	26.288	22.851	11.154	24.199
27.190	2.398	28.690	26.123	3.675	27.586	23.778	11.128	25.158
28.231	2.399	29.768	27.428	3.676	28.937	24.557	11.107	25.965

CONE ANGLE = 15.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
29.854	2.401	31.449	28.785	3.677	30.342	25.374	11.086	26.811
30.980	2.401	32.614	30.197	3.678	31.804	26.232	11.067	27.699
32.736	2.402	34.432	31.667	3.678	33.326	27.367	11.045	28.874
33.953	2.403	35.693	33.198	3.679	34.911	28.332	11.030	29.873
35.854	2.404	37.661	34.792	3.679	36.561	29.352	11.019	30.929
37.173	2.404	39.026	36.454	3.680	38.281	30.711	11.008	32.336
39.232	2.405	41.158	38.185	3.680	40.074	31.872	11.002	33.538
40.661	2.405	42.638	39.990	3.680	41.942	33.107	10.999	34.816
42.893	2.405	44.948	41.872	3.681	43.890	34.420	10.998	36.176
44.443	2.406	46.552	43.833	3.681	45.921	36.184	11.000	38.002
46.863	2.406	49.057	45.879	3.681	48.039	37.702	11.004	39.574
48.543	2.406	50.797	48.013	3.682	50.248	39.324	11.008	41.253
51.168	2.406	53.514	50.238	3.682	52.551	41.511	11.014	43.517
52.990	2.407	55.401	52.558	3.682	54.954	43.400	11.019	45.473
55.838	2.407	58.350	54.978	3.682	57.459	45.425	11.024	47.569
58.829	2.407	61.446	56.649	3.683	59.189	47.596	11.028	49.817
60.906	2.407	63.596	59.246	3.683	61.877	50.516	11.034	52.840
64.152	2.407	66.957	61.954	3.683	64.681	52.977	11.038	55.387
66.406	2.407	69.291	64.779	3.683	67.605	55.546	11.041	58.047
69.929	2.407	72.938	67.725	3.684	70.656	58.229	11.044	60.825
72.376	2.408	75.471	70.799	3.684	73.838	61.752	11.046	64.472
76.200	2.408	79.430	74.006	3.684	77.158	64.711	11.048	67.536
78.857	2.408	82.180	77.351	3.684	80.621	67.804	11.049	70.737
83.008	2.408	86.478	80.840	3.684	84.234	71.865	11.050	74.942
85.892	2.408	89.463	84.481	3.684	88.002	75.278	11.051	78.475
90.399	2.408	94.129	88.278	3.685	91.934	78.845	11.052	82.168
93.529	2.408	97.371	92.240	3.685	96.036	82.573	11.052	86.028
98.423	2.408	102.437	96.374	3.685	100.315	87.470	11.053	91.098
101.822	2.408	105.955	100.686	3.685	104.780	91.588	11.053	95.360
107.135	2.408	111.456	105.185	3.685	109.437	95.891	11.054	99.815
110.825	2.408	115.277	109.879	3.685	114.297	101.545	11.054	105.669
116.594	2.408	121.249	114.776	3.685	119.367	106.299	11.055	110.591
120.601	2.408	125.397	119.885	3.685	124.656	111.269	11.055	115.735
126.865	2.408	131.882	125.216	3.685	130.175	116.463	11.055	121.113
131.216	2.408	136.386	130.777	3.685	135.932	123.289	11.056	128.180
138.017	2.408	143.427	136.580	3.685	141.939	129.029	11.056	134.122
142.741	2.408	148.319	142.634	3.685	148.207	135.029	11.056	140.334
150.127	2.408	155.964	148.950	3.685	154.746	142.913	11.056	148.496
155.257	2.408	161.275	155.540	3.685	161.569	149.543	11.056	155.360
163.276	2.408	169.577	162.416	3.685	168.687	156.473	11.057	162.535
168.846	2.408	175.344	169.590	3.685	176.114	163.719	11.057	170.136
177.554	2.408	184.359	177.075	3.686	183.863	173.240	11.057	179.893
183.603	2.408	190.621	184.885	3.686	191.948	181.246	11.057	188.192
193.058	2.408	200.410	193.033	3.686	200.384	189.616	11.057	196.847
202.993	2.408	210.695	201.535	3.686	209.186	200.615	11.057	208.234

CONE ANGLE = 15.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
.741	29.701	1.309	.741	52.226	1.309	.741	81.183	1.309
.962	27.970	1.538	.960	49.087	1.536	.960	76.236	1.535
1.189	26.166	1.773	1.185	45.843	1.769	1.245	69.815	1.831
1.525	23.790	2.121	1.591	40.747	2.189	1.587	63.152	2.185
1.918	21.556	2.528	1.991	36.841	2.603	2.071	55.912	2.686
2.367	19.577	2.992	2.444	33.423	3.072	2.532	50.759	3.163
2.865	18.076	3.508	3.050	30.401	3.699	3.143	46.234	3.796
3.406	16.966	4.067	3.595	28.633	4.264	3.803	43.218	4.479
3.977	16.232	4.659	4.283	27.308	4.976	4.377	41.680	5.073
4.571	15.804	5.274	4.873	26.737	5.586	5.081	40.763	5.802
5.176	15.624	5.900	5.468	26.549	6.203	5.671	40.612	6.413
5.787	15.641	6.532	6.184	26.725	6.944	6.377	41.005	7.143
6.398	15.815	7.165	6.776	27.130	7.556	7.074	41.868	7.865
7.005	16.110	7.794	7.360	27.705	8.162	7.644	42.824	8.456
7.606	16.492	8.416	8.049	28.537	8.875	8.314	44.129	9.149
8.200	16.929	9.031	8.612	29.296	9.457	8.859	45.294	9.714
8.783	17.398	9.635	9.271	30.256	10.139	9.496	46.773	10.373
9.357	17.885	10.228	9.806	31.099	10.693	10.012	48.086	10.907
9.919	18.389	10.811	10.328	31.986	11.234	10.614	49.762	11.530
10.470	18.908	11.381	10.939	33.101	11.867	11.198	51.526	12.134
11.011	19.442	11.941	11.435	34.058	12.381	11.671	53.031	12.625
11.542	19.982	12.490	12.017	35.214	12.983	12.226	54.833	13.199
12.063	20.519	13.030	12.492	36.158	13.474	12.678	56.294	13.667
12.577	21.041	13.562	12.958	37.066	13.957	13.210	57.958	14.218
13.084	21.539	14.087	13.510	38.083	14.528	13.733	59.487	14.759
13.586	22.003	14.607	13.964	38.855	14.998	14.164	60.639	15.205
14.085	22.426	15.123	14.414	39.549	15.464	14.677	61.858	15.736
14.582	22.802	15.638	14.952	40.271	16.021	15.101	62.731	16.176
15.078	23.127	16.152	15.399	40.777	16.484	15.610	63.603	16.702
15.576	23.401	16.667	15.937	41.268	17.041	16.034	64.185	17.141
16.077	23.623	17.186	16.387	41.584	17.507	16.545	64.719	17.671
16.583	23.794	17.709	16.841	41.819	17.977	17.061	65.085	18.204
17.094	23.918	18.239	17.391	42.005	18.546	17.495	65.273	18.654
17.613	23.998	18.776	17.857	42.086	19.028	18.024	65.375	19.201
18.141	24.039	19.323	18.330	42.110	19.518	18.472	65.368	19.665
18.681	24.047	19.882	18.909	42.072	20.118	19.021	65.262	20.235
19.233	24.027	20.453	19.404	41.993	20.630	19.583	65.061	20.816
19.800	23.984	21.040	20.013	41.849	21.261	20.064	64.830	21.314
20.384	23.922	21.645	20.536	41.694	21.802	20.658	64.492	21.928
20.987	23.846	22.269	21.074	41.515	22.360	21.168	64.172	22.457
21.610	23.758	22.914	21.743	41.279	23.051	21.801	63.763	23.111
22.257	23.664	23.584	22.320	41.073	23.649	22.346	63.417	23.676
22.929	23.566	24.280	23.041	40.831	24.395	23.025	63.017	24.379
23.630	23.470	25.005	23.666	40.641	25.042	23.733	62.650	25.112
24.362	23.380	25.763	24.315	40.468	25.715	24.347	62.380	25.748

CONE ANGLE = 15.00 ANGLE OF ATTACK = 0.00

L/RN	P / P FREE-STREAM AT MACH NO. 15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
25.128	23.299	26.556	25.131	40.291	26.559	25.115	62.105	26.543
25.931	23.230	27.387	25.842	40.170	27.295	25.784	61.921	27.235
26.775	23.174	28.261	26.585	40.076	28.065	26.623	61.755	28.104
27.664	23.131	29.181	27.523	39.995	29.036	27.507	61.647	29.019
28.602	23.101	30.153	28.347	39.955	29.888	28.280	61.598	29.820
29.594	23.083	31.180	29.390	39.933	30.969	29.257	61.579	30.830
30.646	23.076	32.269	30.311	39.934	31.922	30.114	61.590	31.718
31.763	23.077	33.425	31.281	39.948	32.926	31.201	61.629	32.844
32.952	23.085	34.656	32.519	39.978	34.208	32.160	61.678	33.836
34.221	23.099	35.970	33.618	40.011	35.346	33.381	61.751	35.100
35.577	23.116	37.373	35.026	40.060	36.804	34.686	61.839	36.451
37.029	23.137	38.877	36.282	40.106	38.104	35.845	61.919	37.651
38.587	23.159	40.490	37.622	40.155	39.490	37.332	62.020	39.191
40.263	23.183	42.225	39.350	40.215	41.280	38.660	62.103	40.566
42.069	23.206	44.094	40.903	40.262	42.888	40.372	62.195	42.338
44.017	23.227	46.112	42.570	40.302	44.614	42.229	62.270	44.261
46.124	23.243	48.292	44.737	40.339	46.857	43.900	62.318	45.991
48.404	23.255	50.654	46.698	40.360	48.887	46.071	62.357	48.238
50.877	23.263	53.213	49.257	40.374	51.536	48.034	62.373	50.270
53.559	23.267	55.990	51.580	40.378	53.941	50.594	62.378	52.921
56.472	23.269	59.006	54.095	40.377	56.545	52.917	62.374	55.325
59.604	23.269	62.248	57.391	40.372	59.958	55.956	62.360	58.472
62.898	23.270	65.658	60.393	40.366	63.065	59.299	62.342	61.933
66.360	23.270	69.243	63.600	40.359	66.385	62.340	62.326	65.081
70.001	23.270	73.012	67.657	40.355	70.586	66.244	62.312	69.123
73.829	23.270	76.975	71.223	40.355	74.277	69.671	62.310	72.671
77.855	23.272	81.144	75.737	40.357	78.950	74.005	62.314	77.157
82.090	23.273	85.528	79.704	40.361	83.057	78.592	62.321	81.906
86.544	23.275	90.139	83.869	40.366	87.369	82.620	62.330	86.377
91.229	23.277	94.989	89.141	40.372	92.827	87.714	62.342	91.350
96.158	23.279	100.091	93.775	40.377	97.625	92.187	62.351	95.980
101.342	23.281	105.458	99.642	40.383	103.699	97.843	62.362	101.836
106.795	23.283	111.104	104.800	40.387	109.039	102.809	62.370	106.977
112.532	23.284	117.043	110.215	40.391	114.644	109.089	62.378	113.479
118.567	23.286	123.291	117.070	40.394	121.742	115.740	62.383	120.364
124.916	23.287	129.864	123.098	40.396	127.982	121.580	62.386	126.411
131.595	23.288	136.779	129.426	40.398	134.533	128.967	62.390	134.259
138.622	23.288	144.053	137.439	40.399	142.829	135.455	62.392	140.775
146.014	23.289	151.707	144.485	40.400	150.123	143.662	62.393	149.271
153.792	23.289	159.759	153.406	40.401	159.360	152.353	62.395	158.269
161.976	23.290	168.231	161.251	40.402	167.481	159.988	62.396	166.173
170.586	23.290	177.145	169.489	40.402	176.010	169.645	62.397	176.171
179.644	23.290	186.523	179.921	40.403	186.810	178.128	62.398	184.954
189.176	23.291	196.391	189.094	40.403	196.307	188.859	62.399	196.163
201.272	23.291	208.913	200.711	40.404	208.333	200.226	62.400	207.831

CONE ANGLE = 15.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
.741	116.580	1.309
.959	109.422	1.535
1.244	100.151	1.829
1.660	88.678	2.261
2.068	80.085	2.683
2.624	71.410	3.259
3.243	65.209	3.899
3.794	61.693	4.469
4.481	59.108	5.180
5.182	57.940	5.906
5.886	57.865	6.635
6.468	58.451	7.238
7.158	59.727	7.952
7.833	61.399	8.651
8.383	62.954	9.221
9.026	64.941	9.886
9.649	67.069	10.531
10.252	69.364	11.156
10.741	71.400	11.661
11.310	73.952	12.250
11.862	76.558	12.823
12.312	78.712	13.288
12.839	81.213	13.833
13.355	83.561	14.368
13.778	85.365	14.806
14.280	87.316	15.326
14.777	89.011	15.840
15.271	90.439	16.352
15.682	91.423	16.777
16.176	92.364	17.288
16.671	93.055	17.801
17.088	93.456	18.232
17.592	93.746	18.755
18.105	93.848	19.285
18.627	93.783	19.826
19.071	93.613	20.285
19.616	93.284	20.850
20.176	92.840	21.429
20.656	92.398	21.926
21.249	91.810	22.540
21.863	91.190	23.176
22.500	90.575	23.836
23.050	90.088	24.405
23.736	89.554	25.115
24.450	89.091	25.854

CONE ANGLE = 15.00 ANGLE OF ATTACK = 0.00

L/RN	P / P FREE-STREAM AT MACH NO. 30.0	S/RN
25.670	88.767	26.496
25.846	88.458	27.300
25.660	88.237	28.142
27.370	88.116	28.877
28.262	88.039	29.801
29.203	88.025	30.775
30.197	88.059	31.804
31.071	88.117	32.708
32.178	88.213	33.854
33.355	88.333	35.074
34.397	88.446	36.152
35.726	88.594	37.528
37.152	88.746	39.004
38.685	88.893	40.592
40.056	89.002	42.011
41.825	89.113	43.842
43.745	89.194	45.830
45.474	89.238	47.620
47.722	89.264	49.947
50.180	89.268	52.492
52.875	89.254	55.282
55.320	89.233	57.813
58.520	89.200	61.126
62.040	89.168	64.770
65.219	89.147	68.061
69.245	89.138	72.229
73.504	89.144	76.639
77.242	89.154	80.509
81.965	89.169	85.398
86.963	89.187	90.572
92.250	89.206	96.046
96.890	89.221	100.849
102.753	89.235	106.920
108.957	89.247	113.343
114.402	89.253	118.980
121.284	89.259	126.105
128.568	89.264	133.645
136.276	89.268	141.625
143.042	89.270	148.629
151.595	89.272	157.484
160.648	89.273	166.857
168.596	89.275	175.085
178.643	89.277	185.486
189.278	89.278	196.497
200.535	89.280	208.151

CONE ANGLE = 20.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
.658	2.956	1.222	.658	5.223	1.222	.658	18.385	1.222
.771	2.976	1.342	.759	5.180	1.330	.818	17.790	1.392
.858	3.003	1.435	.876	5.138	1.453	.968	17.132	1.551
.998	3.004	1.583	1.048	5.025	1.637	1.223	16.095	1.823
1.150	2.993	1.745	1.239	4.899	1.840	1.464	15.270	2.079
1.313	2.974	1.919	1.449	4.773	2.063	1.726	14.564	2.358
1.550	2.946	2.171	1.676	4.662	2.305	2.065	13.894	2.719
1.741	2.927	2.375	1.919	4.576	2.564	2.363	13.493	3.137
1.944	2.915	2.590	2.177	4.494	2.838	2.673	13.313	3.366
2.157	2.887	2.817	2.381	4.456	3.055	3.052	13.261	3.770
2.384	2.876	3.058	2.663	4.455	3.356	3.371	13.354	4.109
2.622	2.889	3.312	2.957	4.464	3.669	3.689	13.543	4.447
2.956	2.905	3.667	3.261	4.496	3.991	4.069	13.874	4.851
3.218	2.921	3.946	3.571	4.545	4.322	4.382	14.212	5.184
3.490	2.943	4.236	3.888	4.604	4.659	4.691	14.584	5.514
3.771	2.967	4.535	4.209	4.673	5.001	5.058	15.041	5.904
4.061	2.991	4.843	4.535	4.747	5.348	5.360	15.410	6.225
4.461	3.026	5.269	4.783	4.805	5.611	5.657	15.762	6.542
4.770	3.053	5.598	5.117	4.884	5.967	6.010	16.165	6.918
5.088	3.079	5.936	5.455	4.961	6.327	6.301	16.491	7.227
5.415	3.104	6.284	5.799	5.036	6.693	6.590	16.809	7.534
5.750	3.129	6.641	6.148	5.106	7.064	6.934	17.175	7.900
6.096	3.152	7.008	6.503	5.170	7.442	7.219	17.460	8.204
6.572	3.181	7.515	6.865	5.228	7.827	7.562	17.769	8.569
5.943	3.201	7.910	7.235	5.279	8.220	7.849	17.992	8.874
7.326	3.219	8.317	7.517	5.313	8.521	8.137	18.182	9.181
7.722	3.235	8.739	7.902	5.354	8.931	8.487	18.365	9.553
8.133	3.250	9.176	8.298	5.391	9.352	8.783	18.482	9.868
8.704	3.267	9.785	8.705	5.423	9.786	9.083	18.568	10.187
9.154	3.277	10.263	9.127	5.450	10.234	9.451	18.635	10.579
9.622	3.286	10.761	9.563	5.474	10.698	9.766	18.663	10.914
10.110	3.294	11.281	10.017	5.493	11.181	10.088	18.670	11.257
10.621	3.301	11.824	10.489	5.507	11.684	10.487	18.657	11.682
11.156	3.307	12.394	10.858	5.515	12.076	10.831	18.633	12.047
11.911	3.314	13.197	11.369	5.523	12.620	11.186	18.601	12.425
12.512	3.318	13.836	11.906	5.528	13.192	11.629	18.558	12.897
13.144	3.321	14.509	12.472	5.531	13.794	12.014	18.519	13.306
13.811	3.324	15.219	13.070	5.533	14.430	12.414	18.479	13.733
14.515	3.326	15.968	13.702	5.533	15.103	12.918	18.432	14.269
15.517	3.329	17.034	14.374	5.533	15.818	13.359	18.394	14.738
16.321	3.330	17.890	15.087	5.532	16.577	13.821	18.359	15.230
17.172	3.331	18.796	15.653	5.531	17.179	14.406	18.324	15.852
18.076	3.332	19.758	16.452	5.530	18.030	14.922	18.302	16.402
19.035	3.332	20.778	17.307	5.529	18.939	15.467	18.285	16.981
20.041	3.333	21.849	18.223	5.529	19.914	16.162	18.272	17.720

CONE ANGLE = 20.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	3.5	S/RN	L/RN	5.0	S/RN	L/RN	10.0	S/RN
21.454	3.334	23.353	19.205	5.528	20.959	16.779	18.266	18.378
22.572	3.334	24.542	20.261	5.527	22.083	17.572	18.265	19.221
23.741	3.335	25.786	21.397	5.527	23.292	18.280	18.268	19.974
24.965	3.335	27.088	22.620	5.527	24.594	19.036	18.273	20.779
26.245	3.336	28.451	23.600	5.527	25.636	20.015	18.281	21.821
27.585	3.336	29.877	24.994	5.527	27.120	20.897	18.288	22.760
29.470	3.336	31.883	26.472	5.528	28.693	21.846	18.297	23.769
30.961	3.337	33.470	28.030	5.529	30.351	23.083	18.306	25.086
32.523	3.337	35.131	29.672	5.530	32.098	24.205	18.314	26.280
34.157	3.337	36.870	31.402	5.531	33.938	25.419	18.321	27.572
35.868	3.337	38.691	33.225	5.532	35.878	27.011	18.327	29.266
38.275	3.337	41.253	35.146	5.533	37.923	28.462	18.330	30.810
40.180	3.338	43.280	36.654	5.534	39.528	30.037	18.333	32.486
42.174	3.338	45.402	38.760	5.534	41.769	32.107	18.337	34.689
44.262	3.338	47.625	40.980	5.535	44.131	33.991	18.339	36.694
46.449	3.338	49.952	43.319	5.536	46.621	35.989	18.343	38.820
48.739	3.338	52.388	45.785	5.536	49.245	38.531	18.347	41.525
51.960	3.338	55.817	48.384	5.537	52.011	40.775	18.351	43.914
54.510	3.338	58.530	51.124	5.537	54.927	43.143	18.354	46.433
57.180	3.338	61.371	54.012	5.537	58.000	46.155	18.357	49.639
59.975	3.338	64.346	56.281	5.537	60.414	48.816	18.360	52.471
62.903	3.339	67.461	59.449	5.538	63.785	51.624	18.362	55.458
67.022	3.339	71.845	62.788	5.538	67.339	55.197	18.364	59.260
70.283	3.339	75.315	66.309	5.538	71.086	58.354	18.366	62.621
73.697	3.339	78.948	70.020	5.538	75.036	62.373	18.367	66.897
77.272	3.339	82.753	73.933	5.538	79.200	65.925	18.368	70.677
81.017	3.339	86.738	78.059	5.538	83.590	69.672	18.368	74.665
84.938	3.339	90.910	82.409	5.538	88.219	74.442	18.369	79.741
90.455	3.339	96.782	85.825	5.538	91.855	78.659	18.369	84.228
94.822	3.339	101.429	90.597	5.538	96.933	83.107	18.369	88.963
99.396	3.339	106.296	95.628	5.538	102.286	88.771	18.370	94.989
104.185	3.339	111.393	100.932	5.538	107.931	93.777	18.370	100.317
109.200	3.339	116.730	106.524	5.538	113.882	99.060	18.370	105.938
116.259	3.339	124.241	112.420	5.538	120.157	105.784	18.370	113.195
121.845	3.339	130.186	118.637	5.538	126.772	111.729	18.370	119.421
127.695	3.339	136.411	125.191	5.538	133.747	118.002	18.370	126.396
133.821	3.339	142.931	130.340	5.538	139.226	125.987	18.370	134.594
140.237	3.339	149.759	137.531	5.538	146.879	133.047	18.371	142.107
146.956	3.339	156.909	145.112	5.539	154.947	140.495	18.371	150.134
156.412	3.339	166.971	153.106	5.539	163.453	149.978	18.371	160.125
163.895	3.339	174.935	161.534	5.539	172.422	158.361	18.371	169.146
171.733	3.339	183.275	170.420	5.539	181.878	167.207	18.371	178.460
179.940	3.339	192.010	179.789	5.539	191.849	178.468	18.371	190.444
188.536	3.339	201.157	189.667	5.539	202.361	188.424	18.371	201.038
200.631	3.339	214.029	200.083	5.539	213.445	201.098	18.371	214.525

CONE ANGLE = 20.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/PN
.658	40.290	1.222	.658	70.961	1.222	.658	110.388	1.222
.814	38.826	1.388	.847	67.593	1.423	.847	105.062	1.423
.999	36.866	1.585	1.036	64.005	1.624	1.035	99.414	1.623
1.255	34.429	1.857	1.295	59.624	1.900	1.339	91.426	1.946
1.544	32.185	2.164	1.586	55.680	2.210	1.633	85.404	2.260
1.861	30.366	2.502	1.959	52.079	2.606	1.953	80.640	2.609
2.200	28.923	2.862	2.299	49.721	2.969	2.349	76.498	3.022
2.554	28.143	3.240	2.653	48.557	3.345	2.702	74.793	3.397
2.917	27.803	3.626	3.012	48.115	3.726	3.058	74.237	3.776
3.282	27.883	4.014	3.370	48.372	4.108	3.472	74.894	4.217
3.645	28.291	4.400	3.783	49.373	4.548	3.822	76.370	4.589
4.003	28.967	4.782	4.131	50.697	4.918	4.165	78.480	4.954
4.355	29.832	5.156	4.471	52.289	5.280	4.555	81.401	5.369
4.700	30.791	5.523	4.804	53.968	5.633	4.881	83.981	5.715
5.037	31.756	5.882	5.127	55.607	5.978	5.197	86.468	6.052
5.366	32.681	6.232	5.495	57.440	6.369	5.556	89.283	6.434
5.688	33.575	6.575	5.801	59.003	6.695	5.855	91.724	6.752
6.004	34.466	6.911	6.101	60.600	7.014	6.147	94.239	7.063
6.262	35.216	7.185	6.394	62.223	7.326	6.479	97.218	7.416
6.567	36.113	7.510	6.729	64.091	7.682	6.758	99.718	7.713
6.867	36.981	7.830	7.011	65.603	7.982	7.032	102.075	8.005
7.164	37.789	8.146	7.290	66.982	8.279	7.347	104.549	8.341
7.459	38.514	8.459	7.566	68.195	8.573	7.616	106.383	8.626
7.752	39.138	8.772	7.842	69.227	8.867	7.927	108.165	8.957
8.046	39.656	9.084	8.163	70.196	9.209	8.194	109.381	9.241
8.341	40.069	9.398	8.440	70.830	9.503	8.462	110.320	9.527
8.639	40.379	9.715	8.719	71.292	9.800	8.777	111.084	9.862
8.940	40.595	10.035	9.001	71.594	10.100	9.050	111.480	10.153
9.246	40.723	10.361	9.287	71.753	10.404	9.327	111.668	10.448
9.558	40.775	10.693	9.627	71.790	10.767	9.657	111.671	10.798
9.877	40.765	11.032	9.926	71.720	11.084	9.946	111.529	11.136
10.204	40.709	11.380	10.231	71.581	11.409	10.241	111.285	11.420
10.540	40.619	11.738	10.545	71.388	11.744	10.597	110.894	11.798
10.887	40.506	12.108	10.924	71.108	12.146	10.911	110.483	12.132
11.247	40.374	12.490	11.260	70.830	12.504	11.235	110.014	12.477
11.619	40.229	12.886	11.607	70.526	12.874	11.627	109.419	12.894
11.941	40.101	13.228	11.968	70.213	13.257	11.976	108.902	13.266
12.341	39.947	13.655	12.342	69.910	13.655	12.338	108.412	13.651
12.759	39.801	14.100	12.798	69.593	14.141	12.778	107.909	14.120
13.196	39.674	14.565	13.207	69.368	14.576	13.172	107.555	14.539
13.654	39.570	15.052	13.633	69.192	15.030	13.583	107.280	14.976
14.134	39.492	15.563	14.080	69.064	15.505	14.085	107.058	15.510
14.640	39.439	16.101	14.547	68.983	16.002	14.536	106.948	15.990
15.172	39.408	16.668	15.122	68.942	16.614	15.008	106.905	16.493
15.735	39.398	17.267	15.642	68.944	17.167	15.589	106.923	17.111

CONE ANGLE = 20.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	15.0	S/RN	L/RN	20.0	S/RN	L/RN	25.0	S/RN
16.331	39.402	17.901	16.190	68.971	17.750	16.115	106.978	17.670
16.964	39.417	18.575	16.769	69.013	18.367	16.764	107.069	18.361
17.639	39.438	19.292	17.488	69.071	19.132	17.354	107.157	18.990
18.359	39.462	20.059	18.147	69.124	19.833	17.980	107.250	19.656
19.132	39.488	20.881	18.849	69.180	20.581	18.761	107.363	20.487
19.963	39.516	21.765	19.601	69.238	21.380	19.479	107.462	21.251
20.860	39.546	22.720	20.408	69.298	22.239	20.248	107.560	22.109
21.831	39.577	23.754	21.429	69.363	23.326	21.218	107.663	23.101
22.887	39.602	24.877	22.382	69.409	24.340	22.121	107.732	24.063
23.838	39.618	25.890	23.416	69.440	25.440	23.100	107.779	25.104
25.077	39.630	27.208	24.542	69.457	26.639	24.349	107.806	26.433
26.433	39.634	28.651	25.772	69.459	27.947	25.524	107.804	27.683
27.921	39.632	30.235	27.353	69.447	29.630	26.808	107.784	29.050
29.557	39.629	31.975	28.852	69.431	31.225	28.463	107.748	30.811
31.357	39.627	33.891	30.498	69.416	32.976	30.031	107.713	32.480
33.338	39.626	35.999	32.308	69.403	34.903	31.754	107.681	34.314
35.518	39.628	38.319	34.649	69.396	37.394	33.983	107.656	36.685
37.873	39.634	40.825	36.870	69.400	39.758	36.100	107.655	38.938
40.372	39.646	43.484	39.245	69.417	42.286	38.398	107.674	41.384
43.025	39.659	46.308	41.763	69.444	44.965	41.253	107.721	44.422
45.842	39.670	49.305	44.431	69.472	47.804	43.857	107.770	47.193
48.832	39.680	52.488	47.747	69.499	51.333	46.615	107.813	50.128
52.007	39.689	55.867	50.774	69.518	54.554	50.039	107.855	53.772
55.379	39.696	59.454	53.983	69.535	57.969	53.163	107.885	57.196
58.959	39.701	63.264	57.385	69.547	61.589	57.042	107.912	61.224
62.761	39.704	67.310	60.992	69.555	65.427	60.581	107.926	64.990
66.799	39.706	71.608	65.476	69.560	70.199	64.330	107.934	68.980
70.355	39.707	75.392	69.571	69.563	74.557	68.988	107.939	73.937
74.865	39.708	80.191	73.914	69.565	79.179	73.239	107.942	78.461
79.656	39.709	85.290	78.521	69.567	84.081	77.744	107.945	83.255
84.745	39.710	90.706	84.249	69.568	90.177	83.342	107.948	89.212
90.151	39.710	96.459	89.482	69.569	95.746	88.451	107.949	94.649
95.894	39.711	102.570	95.032	69.570	101.653	93.866	107.952	100.412
101.995	39.711	109.063	100.919	69.572	107.918	100.595	107.955	107.573
108.477	39.712	115.960	107.164	69.573	114.563	106.738	107.957	114.109
115.362	39.712	123.287	114.929	69.574	122.827	113.248	107.958	121.737
122.677	39.713	131.071	122.024	69.575	130.377	121.337	107.960	129.646
130.447	39.713	139.340	129.549	69.575	138.385	128.722	107.961	137.505
138.702	39.713	148.125	137.532	69.576	146.880	136.549	107.963	145.834
147.472	39.713	157.458	145.998	69.577	155.890	146.275	107.964	156.185
156.789	39.714	167.373	156.528	69.577	167.095	155.154	107.964	165.633
166.686	39.714	177.905	166.148	69.577	177.333	164.565	107.965	175.648
177.201	39.714	189.095	176.352	69.578	188.192	176.259	107.965	188.092
188.372	39.714	200.983	187.176	69.578	199.710	186.934	107.966	199.453
200.239	39.714	213.611	200.637	69.578	214.035	200.200	107.966	213.569

CONE ANGLE = 20.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
.658	158.583	1.222
.846	150.861	1.422
1.034	142.699	1.622
1.337	131.154	1.944
1.631	122.444	2.257
2.005	114.584	2.655
2.345	109.533	3.017
2.696	107.021	3.391
3.110	106.180	3.831
3.463	107.049	4.207
3.869	109.574	4.638
4.209	112.695	5.000
4.595	116.916	5.411
4.916	120.586	5.753
5.229	124.113	6.086
5.583	128.136	6.463
5.878	131.656	6.776
6.213	135.907	7.133
6.493	139.599	7.431
6.813	143.787	7.771
7.082	147.133	8.058
7.348	150.152	8.341
7.655	153.190	8.668
7.918	155.352	8.947
8.224	157.358	9.273
8.487	158.649	9.553
8.796	159.687	9.882
9.065	160.212	10.168
9.337	160.448	10.457
9.660	160.425	10.801
9.943	160.204	11.103
10.282	159.761	11.464
10.581	159.251	11.782
10.941	158.524	12.165
11.260	157.810	12.504
11.589	157.048	12.855
11.989	156.156	13.279
12.344	155.440	13.658
12.777	154.714	14.118
13.163	154.208	14.529
13.634	153.761	15.031
14.057	153.502	15.480
14.498	153.351	15.950
15.038	153.297	16.525
15.526	153.332	17.044

CONE ANGLE = 20.00 ANGLE OF ATTACK = 0.00

P / P FREE-STREAM AT MACH NO.

L/RN	30.0	S/RN
16.125	153.437	17.681
16.668	153.559	18.259
17.339	153.718	18.974
17.951	153.862	19.625
18.601	154.010	20.316
19.413	154.185	21.180
20.161	154.330	21.976
21.104	154.477	22.980
21.980	154.574	23.912
23.094	154.648	25.097
24.137	154.676	26.208
25.273	154.672	27.417
26.731	154.634	28.969
28.110	154.584	30.435
29.888	154.515	32.328
31.575	154.458	34.123
33.757	154.413	36.445
35.829	154.405	38.650
38.090	154.427	41.056
40.904	154.492	44.050
43.469	154.566	46.780
46.652	154.645	50.167
49.554	154.701	53.255
53.155	154.756	57.088
56.439	154.791	60.582
59.916	154.815	64.283
64.233	154.830	68.877
68.170	154.837	73.067
73.060	154.842	78.270
77.520	154.847	83.017
83.060	154.851	88.912
88.114	154.854	94.291
93.469	154.857	99.989
100.120	154.862	107.067
106.188	154.865	113.524
113.725	154.868	121.545
120.601	154.871	128.863
129.143	154.873	137.953
136.936	154.875	146.246
145.193	154.876	155.033
155.449	154.877	165.947
164.807	154.878	175.906
176.430	154.878	188.275
187.036	154.879	199.561
200.209	154.880	213.580

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/DN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/DN
.913	1.372	1.351	1.331	1.291	1.252	1.224	1.214	1.484
.967	1.370	1.349	1.328	1.291	1.253	1.225	1.215	1.538
1.025	1.368	1.347	1.327	1.291	1.253	1.225	1.215	1.596
1.087	1.367	1.345	1.325	1.289	1.252	1.224	1.214	1.658
1.223	1.366	1.345	1.326	1.289	1.252	1.224	1.214	1.795
1.378	1.361	1.341	1.322	1.289	1.252	1.224	1.214	1.950
1.463	1.357	1.337	1.318	1.289	1.252	1.224	1.214	2.035
1.649	1.356	1.336	1.318	1.289	1.252	1.224	1.214	2.222
1.858	1.352	1.332	1.315	1.289	1.252	1.224	1.214	2.432
1.971	1.343	1.333	1.307	1.271	1.237	1.213	1.204	2.546
2.218	1.322	1.313	1.287	1.253	1.221	1.198	1.190	2.794
2.492	1.306	1.291	1.267	1.235	1.204	1.182	1.174	3.069
2.640	1.299	1.281	1.257	1.226	1.196	1.175	1.167	3.217
2.958	1.268	1.260	1.237	1.208	1.180	1.160	1.153	3.537
3.308	1.247	1.239	1.217	1.189	1.163	1.145	1.138	3.887
3.494	1.236	1.228	1.207	1.179	1.154	1.135	1.130	4.075
3.894	1.219	1.210	1.188	1.161	1.136	1.120	1.114	4.476
4.328	1.203	1.195	1.174	1.147	1.122	1.106	1.101	4.911
4.558	1.197	1.189	1.168	1.141	1.116	1.100	1.095	5.143
5.048	1.186	1.179	1.158	1.132	1.108	1.092	1.087	5.634
5.576	1.179	1.171	1.150	1.125	1.102	1.087	1.082	6.164
5.855	1.175	1.168	1.147	1.122	1.100	1.085	1.081	6.445
6.444	1.171	1.164	1.143	1.118	1.096	1.082	1.078	7.076
7.076	1.169	1.161	1.140	1.116	1.094	1.081	1.077	7.671
7.409	1.168	1.160	1.140	1.115	1.094	1.081	1.077	8.004
8.108	1.168	1.161	1.140	1.116	1.095	1.081	1.077	8.706
8.854	1.169	1.162	1.141	1.117	1.096	1.083	1.080	9.455
9.245	1.171	1.163	1.143	1.119	1.098	1.085	1.081	9.847
10.064	1.174	1.167	1.146	1.122	1.101	1.088	1.085	10.670
10.936	1.178	1.170	1.149	1.125	1.105	1.093	1.089	11.545
11.391	1.180	1.172	1.151	1.128	1.107	1.096	1.091	12.002
12.344	1.184	1.177	1.156	1.132	1.112	1.100	1.096	12.958
13.352	1.190	1.182	1.160	1.137	1.116	1.104	1.101	13.971
13.879	1.191	1.184	1.163	1.139	1.119	1.107	1.103	14.499
14.977	1.196	1.189	1.167	1.143	1.124	1.112	1.108	15.602
16.138	1.201	1.193	1.172	1.148	1.128	1.116	1.113	16.767
16.742	1.203	1.195	1.174	1.150	1.130	1.118	1.115	17.373
18.001	1.207	1.200	1.178	1.154	1.135	1.123	1.119	18.637
19.329	1.211	1.204	1.182	1.158	1.138	1.127	1.123	19.970
20.020	1.213	1.206	1.184	1.160	1.140	1.129	1.125	20.663
21.456	1.217	1.209	1.188	1.164	1.144	1.132	1.129	22.105
22.968	1.220	1.213	1.191	1.167	1.147	1.135	1.132	23.623
23.754	1.222	1.214	1.193	1.168	1.149	1.137	1.133	24.412
25.386	1.225	1.217	1.195	1.171	1.151	1.139	1.136	26.050
27.102	1.228	1.220	1.198	1.174	1.154	1.142	1.138	27.773

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.993	1.229	1.221	1.199	1.175	1.155	1.143	1.140	28.667
29.841	1.231	1.224	1.202	1.177	1.157	1.145	1.142	30.522
31.782	1.234	1.226	1.204	1.179	1.159	1.147	1.143	32.470
32.788	1.235	1.227	1.205	1.180	1.160	1.147	1.144	33.481
34.876	1.236	1.229	1.206	1.182	1.161	1.149	1.146	35.576
37.066	1.238	1.230	1.208	1.183	1.163	1.150	1.147	37.774
38.200	1.239	1.231	1.209	1.184	1.163	1.151	1.147	38.913
40.552	1.240	1.233	1.210	1.185	1.164	1.152	1.149	41.274
43.017	1.242	1.234	1.211	1.186	1.165	1.153	1.150	43.749
44.294	1.242	1.235	1.212	1.187	1.166	1.153	1.150	45.030
46.938	1.244	1.236	1.213	1.188	1.167	1.154	1.151	47.684
49.708	1.245	1.237	1.214	1.189	1.168	1.155	1.151	50.465
51.141	1.245	1.237	1.215	1.189	1.168	1.155	1.152	51.904
54.109	1.246	1.238	1.215	1.190	1.169	1.156	1.152	54.883
57.216	1.247	1.239	1.216	1.191	1.169	1.157	1.153	58.002
58.824	1.247	1.239	1.217	1.191	1.170	1.157	1.153	59.615
62.150	1.248	1.240	1.217	1.192	1.170	1.157	1.154	62.955
65.630	1.249	1.241	1.218	1.192	1.171	1.158	1.154	66.448
67.430	1.249	1.241	1.218	1.192	1.171	1.158	1.154	68.255
71.153	1.250	1.242	1.219	1.193	1.171	1.158	1.155	71.992
75.047	1.250	1.242	1.219	1.193	1.172	1.159	1.155	75.901
77.050	1.251	1.242	1.219	1.194	1.172	1.159	1.155	77.922
81.223	1.251	1.243	1.220	1.194	1.172	1.159	1.155	82.101
85.575	1.251	1.243	1.220	1.194	1.173	1.159	1.156	86.469
87.824	1.252	1.244	1.221	1.195	1.173	1.160	1.156	88.727
92.474	1.252	1.244	1.221	1.195	1.173	1.160	1.156	93.395
97.333	1.253	1.244	1.221	1.195	1.173	1.160	1.156	98.272
99.844	1.253	1.245	1.221	1.195	1.173	1.160	1.156	100.793
105.034	1.253	1.245	1.222	1.196	1.174	1.160	1.156	106.002
110.456	1.253	1.245	1.222	1.196	1.174	1.161	1.157	111.445
113.256	1.254	1.245	1.222	1.196	1.174	1.161	1.157	114.256
119.044	1.254	1.246	1.223	1.196	1.174	1.161	1.157	120.066
125.089	1.254	1.246	1.223	1.197	1.174	1.161	1.157	126.134
128.212	1.254	1.246	1.223	1.197	1.174	1.161	1.157	129.269
134.663	1.254	1.246	1.223	1.197	1.175	1.161	1.157	135.745
141.399	1.255	1.247	1.223	1.197	1.175	1.161	1.157	142.507
144.878	1.255	1.247	1.223	1.197	1.175	1.161	1.157	145.999
152.065	1.255	1.247	1.224	1.197	1.175	1.161	1.157	153.213
159.568	1.255	1.247	1.224	1.197	1.175	1.162	1.157	160.745
163.443	1.255	1.247	1.224	1.198	1.175	1.162	1.158	164.634
171.446	1.256	1.247	1.224	1.198	1.175	1.162	1.158	172.668
179.800	1.256	1.247	1.224	1.198	1.175	1.162	1.158	181.054
184.114	1.256	1.248	1.224	1.198	1.176	1.162	1.158	185.384
193.023	1.256	1.248	1.224	1.198	1.176	1.162	1.158	194.327
202.322	1.256	1.248	1.225	1.198	1.176	1.162	1.158	203.662

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
35.370	1.430	1.414	1.369	1.318	1.276	1.251	1.244	36.072
36.479	1.434	1.417	1.372	1.321	1.279	1.254	1.246	37.186
38.768	1.439	1.423	1.378	1.326	1.283	1.258	1.251	39.483
41.153	1.444	1.428	1.383	1.331	1.288	1.263	1.255	41.878
42.383	1.447	1.430	1.385	1.333	1.290	1.265	1.257	43.112
44.920	1.451	1.435	1.389	1.337	1.294	1.268	1.261	45.658
47.560	1.455	1.439	1.393	1.341	1.297	1.272	1.264	48.309
48.920	1.457	1.440	1.395	1.342	1.299	1.273	1.266	49.674
51.723	1.461	1.444	1.398	1.345	1.302	1.276	1.268	52.488
53.166	1.462	1.445	1.400	1.347	1.303	1.277	1.270	53.937
56.139	1.465	1.448	1.403	1.350	1.306	1.279	1.272	56.920
59.229	1.468	1.451	1.405	1.352	1.308	1.282	1.274	60.022
60.819	1.469	1.452	1.406	1.353	1.309	1.283	1.275	61.619
64.092	1.472	1.455	1.409	1.355	1.311	1.284	1.277	64.904
67.493	1.474	1.457	1.411	1.357	1.313	1.286	1.278	68.318
69.241	1.475	1.458	1.412	1.358	1.313	1.287	1.279	70.073
72.839	1.477	1.460	1.414	1.360	1.315	1.288	1.280	73.685
76.574	1.479	1.461	1.415	1.361	1.316	1.289	1.281	77.434
78.495	1.479	1.462	1.416	1.362	1.317	1.290	1.282	79.362
82.443	1.481	1.464	1.417	1.364	1.318	1.291	1.283	83.325
84.473	1.482	1.464	1.418	1.364	1.319	1.292	1.284	85.363
88.645	1.483	1.466	1.419	1.365	1.320	1.293	1.285	89.551
92.973	1.484	1.467	1.421	1.366	1.321	1.294	1.285	93.896
95.197	1.485	1.467	1.421	1.367	1.321	1.294	1.286	96.128
99.767	1.486	1.468	1.422	1.368	1.322	1.295	1.286	100.715
104.504	1.487	1.469	1.423	1.369	1.323	1.295	1.287	105.471
106.938	1.487	1.470	1.424	1.369	1.323	1.296	1.287	107.914
111.938	1.488	1.471	1.424	1.370	1.324	1.296	1.288	112.932
114.505	1.489	1.471	1.425	1.370	1.325	1.297	1.288	115.510
119.780	1.489	1.472	1.426	1.371	1.325	1.297	1.289	120.804
125.245	1.490	1.473	1.426	1.372	1.326	1.298	1.289	126.290
128.051	1.490	1.473	1.427	1.372	1.326	1.298	1.290	129.107
133.814	1.491	1.474	1.427	1.373	1.327	1.299	1.290	134.892
139.784	1.492	1.474	1.428	1.373	1.327	1.299	1.290	140.885
142.848	1.492	1.475	1.428	1.373	1.327	1.299	1.291	143.961
149.141	1.493	1.475	1.429	1.374	1.328	1.300	1.291	150.278
152.372	1.493	1.475	1.429	1.374	1.328	1.300	1.291	153.521
159.005	1.493	1.476	1.429	1.375	1.328	1.300	1.291	160.179
165.874	1.494	1.476	1.430	1.375	1.329	1.300	1.292	167.075
169.401	1.494	1.476	1.430	1.375	1.329	1.301	1.292	170.615
176.641	1.494	1.477	1.430	1.376	1.329	1.301	1.292	177.882
184.139	1.495	1.477	1.431	1.376	1.329	1.301	1.292	185.409
187.987	1.495	1.477	1.431	1.376	1.330	1.301	1.293	189.272
195.890	1.495	1.478	1.431	1.376	1.330	1.302	1.293	197.205
204.075	1.495	1.478	1.432	1.377	1.330	1.302	1.293	205.422

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.913	2.266	2.246	2.193	2.121	2.052	2.002	1.984	1.484
.970	2.168	2.149	2.097	2.026	1.958	1.910	1.892	1.541
1.033	2.220	2.200	2.147	2.076	2.007	1.957	1.939	1.604
1.101	2.227	2.208	2.155	2.085	2.017	1.969	1.951	1.672
1.255	2.191	2.172	2.122	2.055	1.990	1.944	1.927	1.827
1.434	2.136	2.118	2.070	2.005	1.943	1.898	1.882	2.007
1.535	2.106	2.088	2.041	1.978	1.917	1.874	1.858	2.108
1.759	2.039	2.022	1.977	1.917	1.860	1.819	1.804	2.333
2.018	1.963	1.947	1.905	1.849	1.795	1.757	1.743	2.593
2.161	1.922	1.907	1.866	1.812	1.760	1.724	1.711	2.737
2.477	1.839	1.825	1.787	1.737	1.689	1.656	1.644	3.054
2.651	1.798	1.784	1.747	1.699	1.653	1.622	1.610	3.228
3.029	1.717	1.705	1.669	1.624	1.582	1.553	1.543	3.608
3.453	1.642	1.630	1.596	1.554	1.514	1.487	1.477	4.034
3.683	1.607	1.595	1.563	1.521	1.482	1.455	1.446	4.264
4.178	1.543	1.532	1.500	1.460	1.423	1.398	1.390	4.761
4.723	1.488	1.477	1.445	1.407	1.371	1.348	1.340	5.308
5.015	1.463	1.452	1.421	1.383	1.348	1.325	1.317	5.601
5.637	1.421	1.410	1.379	1.341	1.307	1.285	1.278	6.226
5.969	1.403	1.392	1.361	1.323	1.289	1.267	1.260	6.558
6.672	1.373	1.362	1.330	1.293	1.259	1.237	1.231	7.264
7.430	1.350	1.338	1.307	1.269	1.235	1.214	1.207	8.026
7.831	1.340	1.329	1.297	1.259	1.226	1.204	1.197	8.428
8.675	1.326	1.315	1.283	1.244	1.210	1.189	1.182	9.275
9.577	1.318	1.306	1.273	1.234	1.200	1.178	1.171	10.181
10.051	1.315	1.303	1.269	1.230	1.196	1.174	1.167	10.656
11.044	1.312	1.300	1.266	1.226	1.191	1.169	1.162	11.653
11.563	1.312	1.300	1.265	1.225	1.190	1.168	1.161	12.174
12.649	1.314	1.301	1.266	1.225	1.189	1.167	1.160	13.265
13.799	1.319	1.306	1.269	1.227	1.191	1.168	1.162	14.419
14.399	1.322	1.309	1.272	1.229	1.192	1.170	1.163	15.021
15.648	1.329	1.315	1.278	1.234	1.197	1.174	1.167	16.275
16.965	1.338	1.324	1.285	1.240	1.203	1.179	1.173	17.597
17.649	1.342	1.328	1.289	1.244	1.206	1.183	1.176	18.284
19.071	1.352	1.337	1.297	1.252	1.213	1.189	1.182	19.711
20.565	1.362	1.347	1.306	1.260	1.220	1.197	1.190	21.211
21.340	1.367	1.352	1.311	1.264	1.224	1.200	1.193	21.989
22.947	1.377	1.362	1.320	1.272	1.232	1.208	1.201	23.602
23.779	1.382	1.366	1.324	1.276	1.236	1.212	1.205	24.437
25.502	1.391	1.376	1.333	1.284	1.244	1.219	1.212	26.166
27.305	1.400	1.384	1.341	1.292	1.251	1.226	1.219	27.977
28.238	1.405	1.389	1.345	1.296	1.254	1.230	1.223	28.913
30.166	1.413	1.397	1.353	1.303	1.261	1.237	1.229	30.849
32.181	1.420	1.404	1.360	1.309	1.268	1.243	1.236	32.871
33.221	1.424	1.407	1.363	1.312	1.270	1.246	1.238	33.916

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	7.495	7.425	7.235	6.983	6.739	6.563	6.500	1.484
.965	7.148	7.080	6.894	6.648	6.409	6.238	6.177	1.536
1.025	7.256	7.187	7.002	6.755	6.515	6.343	6.281	1.596
1.179	7.066	7.001	6.827	6.595	6.370	6.210	6.152	1.750
1.365	6.754	6.693	6.529	6.309	6.098	5.947	5.893	1.937
1.574	6.417	6.359	6.206	6.002	5.806	5.666	5.616	2.147
1.689	6.238	6.183	6.035	5.840	5.651	5.517	5.469	2.262
1.942	5.865	5.814	5.679	5.499	5.327	5.205	5.161	2.517
2.233	5.477	5.431	5.308	5.145	4.990	4.881	4.842	2.808
2.566	5.085	5.043	4.931	4.785	4.646	4.550	4.516	3.143
2.947	4.702	4.665	4.562	4.429	4.304	4.219	4.188	3.525
3.369	4.345	4.310	4.216	4.095	3.982	3.905	3.878	3.949
3.596	4.176	4.143	4.052	3.937	3.829	3.757	3.731	4.176
4.083	3.862	3.831	3.746	3.640	3.543	3.477	3.455	4.666
4.616	3.580	3.551	3.471	3.371	3.281	3.221	3.201	5.201
5.197	3.332	3.304	3.227	3.132	3.047	2.992	2.973	5.784
5.825	3.116	3.089	3.014	2.922	2.841	2.788	2.771	6.415
6.503	2.929	2.902	2.828	2.739	2.660	2.609	2.593	7.095
6.860	2.845	2.819	2.745	2.657	2.579	2.529	2.512	7.454
7.612	2.696	2.670	2.597	2.509	2.433	2.383	2.368	8.208
8.413	2.569	2.543	2.470	2.382	2.306	2.258	2.242	9.013
9.265	2.462	2.435	2.361	2.274	2.197	2.149	2.133	9.867
10.165	2.370	2.343	2.269	2.180	2.104	2.055	2.040	10.772
11.116	2.293	2.266	2.190	2.101	2.024	1.975	1.959	11.726
11.610	2.260	2.232	2.155	2.065	1.988	1.939	1.923	12.221
12.634	2.201	2.173	2.094	2.003	1.924	1.874	1.859	13.250
13.708	2.153	2.124	2.043	1.950	1.870	1.819	1.803	14.328
14.831	2.114	2.084	2.001	1.905	1.823	1.772	1.756	15.455
16.003	2.083	2.052	1.966	1.868	1.784	1.732	1.715	16.631
17.224	2.060	2.027	1.939	1.837	1.751	1.698	1.681	17.857
17.853	2.051	2.018	1.928	1.824	1.737	1.683	1.666	18.489
19.149	2.038	2.003	1.909	1.802	1.712	1.657	1.639	19.789
20.494	2.031	1.994	1.897	1.786	1.693	1.636	1.617	21.140
21.891	2.029	1.990	1.889	1.773	1.677	1.618	1.600	22.542
23.340	2.032	1.992	1.886	1.765	1.666	1.605	1.586	23.996
24.842	2.039	1.997	1.887	1.761	1.658	1.595	1.575	25.504
25.613	2.045	2.001	1.888	1.761	1.655	1.591	1.571	26.278
27.199	2.058	2.013	1.895	1.762	1.652	1.586	1.565	27.870
28.842	2.076	2.028	1.905	1.766	1.652	1.584	1.562	29.520
30.547	2.096	2.046	1.918	1.773	1.654	1.584	1.562	31.230
32.315	2.119	2.067	1.933	1.782	1.659	1.586	1.563	33.005
34.150	2.145	2.091	1.951	1.794	1.666	1.591	1.567	34.848
35.094	2.159	2.103	1.961	1.801	1.671	1.594	1.570	35.795
37.037	2.188	2.130	1.982	1.815	1.680	1.601	1.576	37.746
39.058	2.218	2.158	2.005	1.832	1.692	1.610	1.584	39.774

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
41.160	2.250	2.187	2.029	1.849	1.705	1.620	1.594	41.885
43.349	2.282	2.217	2.054	1.868	1.719	1.632	1.605	44.082
45.629	2.314	2.248	2.080	1.888	1.734	1.645	1.617	46.371
46.805	2.330	2.263	2.093	1.899	1.742	1.652	1.624	47.551
49.232	2.361	2.293	2.119	1.919	1.759	1.666	1.637	49.988
51.763	2.392	2.323	2.145	1.941	1.776	1.680	1.652	52.528
54.404	2.422	2.352	2.171	1.962	1.793	1.696	1.667	55.179
57.157	2.451	2.379	2.196	1.983	1.810	1.711	1.682	57.943
60.030	2.478	2.405	2.220	2.003	1.827	1.726	1.697	60.826
61.512	2.491	2.418	2.232	2.013	1.835	1.734	1.704	62.314
64.569	2.515	2.442	2.254	2.033	1.852	1.749	1.719	65.383
67.756	2.538	2.464	2.275	2.052	1.868	1.764	1.734	68.582
71.073	2.559	2.485	2.295	2.069	1.884	1.778	1.748	71.911
74.467	2.578	2.504	2.313	2.086	1.898	1.791	1.761	75.318
77.920	2.596	2.522	2.330	2.102	1.912	1.803	1.774	78.785
79.668	2.604	2.530	2.338	2.109	1.918	1.809	1.779	80.540
83.208	2.620	2.545	2.353	2.123	1.930	1.820	1.790	84.093
86.804	2.633	2.559	2.367	2.135	1.941	1.830	1.800	87.703
90.456	2.646	2.571	2.379	2.147	1.952	1.840	1.809	91.369
94.164	2.658	2.583	2.390	2.158	1.962	1.848	1.817	95.090
97.926	2.668	2.593	2.400	2.167	1.970	1.856	1.825	98.867
99.828	2.673	2.598	2.405	2.172	1.975	1.860	1.828	100.777
103.673	2.682	2.607	2.414	2.181	1.983	1.867	1.835	104.637
107.575	2.691	2.616	2.423	2.189	1.990	1.873	1.841	108.553
111.533	2.698	2.624	2.430	2.196	1.997	1.879	1.847	112.526
115.550	2.705	2.631	2.437	2.203	2.003	1.885	1.852	116.558
119.628	2.712	2.637	2.444	2.209	2.009	1.890	1.856	120.652
121.692	2.715	2.640	2.447	2.212	2.012	1.892	1.859	122.724
125.870	2.720	2.646	2.453	2.218	2.017	1.897	1.863	126.918
130.121	2.725	2.651	2.458	2.223	2.022	1.901	1.867	131.185
134.450	2.730	2.656	2.463	2.228	2.027	1.905	1.870	135.531
138.865	2.734	2.660	2.468	2.233	2.031	1.909	1.874	139.963
143.372	2.738	2.664	2.472	2.237	2.035	1.913	1.877	144.487
145.662	2.739	2.666	2.474	2.239	2.037	1.914	1.879	146.785
150.320	2.742	2.669	2.478	2.243	2.041	1.918	1.882	151.461
155.087	2.745	2.672	2.481	2.247	2.044	1.921	1.884	156.246
159.970	2.746	2.675	2.485	2.250	2.048	1.924	1.887	161.148
164.975	2.748	2.677	2.488	2.253	2.051	1.926	1.889	166.172
170.107	2.749	2.678	2.490	2.256	2.054	1.929	1.892	171.324
172.723	2.749	2.679	2.492	2.258	2.055	1.930	1.893	173.950
178.057	2.749	2.680	2.494	2.261	2.058	1.933	1.895	179.305
183.532	2.749	2.681	2.496	2.263	2.061	1.935	1.897	184.800
189.151	2.749	2.681	2.498	2.265	2.063	1.937	1.899	190.441
194.921	2.748	2.681	2.499	2.267	2.065	1.940	1.901	196.232
200.844	2.748	2.681	2.500	2.269	2.067	1.942	1.903	202.179

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.913	16.209	16.054	15.638	15.087	14.548	14.163	14.025	1.484
1.023	15.656	15.505	15.099	14.559	14.033	13.659	13.524	1.594
1.091	15.514	15.368	14.975	14.451	13.942	13.578	13.447	1.663
1.261	14.840	14.703	14.334	13.843	13.369	13.031	12.909	1.833
1.454	14.090	13.962	13.617	13.158	12.715	12.400	12.286	2.027
1.795	12.859	12.745	12.441	12.036	11.648	11.374	11.274	2.369
2.063	11.989	11.884	11.606	11.239	10.887	10.640	10.550	2.638
2.371	11.092	10.999	10.749	10.422	10.110	9.893	9.815	2.948
2.724	10.208	10.125	9.898	9.604	9.327	9.136	9.068	3.301
3.115	9.376	9.301	9.094	8.828	8.580	8.410	8.350	3.694
3.778	8.236	8.171	7.990	7.762	7.552	7.410	7.361	4.359
4.273	7.557	7.498	7.330	7.122	6.932	6.805	6.762	4.857
4.813	6.951	6.894	6.737	6.542	6.368	6.253	6.214	5.398
5.397	6.414	6.360	6.210	6.026	5.863	5.757	5.722	5.985
6.028	5.943	5.891	5.746	5.571	5.416	5.316	5.283	6.618
7.059	5.348	5.298	5.158	4.991	4.844	4.750	4.720	7.653
7.803	5.016	4.967	4.829	4.664	4.521	4.430	4.401	8.400
8.593	4.729	4.680	4.543	4.380	4.239	4.150	4.121	9.193
9.427	4.480	4.431	4.294	4.133	3.993	3.905	3.876	10.030
10.760	4.167	4.118	3.980	3.820	3.681	3.593	3.565	11.368
11.702	3.993	3.943	3.805	3.644	3.505	3.417	3.389	12.314
12.686	3.842	3.791	3.652	3.489	3.350	3.262	3.234	13.301
13.710	3.712	3.660	3.518	3.354	3.214	3.126	3.098	14.330
14.774	3.599	3.546	3.402	3.236	3.094	3.006	2.977	15.397
16.442	3.459	3.404	3.255	3.084	2.940	2.851	2.822	17.072
17.600	3.382	3.326	3.173	2.999	2.853	2.762	2.733	18.234
18.794	3.318	3.259	3.103	2.924	2.775	2.683	2.654	19.433
20.024	3.264	3.203	3.042	2.859	2.707	2.613	2.584	20.668
21.288	3.220	3.157	2.990	2.803	2.647	2.552	2.521	21.937
23.247	3.170	3.103	2.928	2.732	2.570	2.472	2.441	23.903
24.594	3.147	3.077	2.896	2.693	2.527	2.427	2.395	25.255
25.972	3.131	3.058	2.870	2.661	2.490	2.387	2.354	26.639
27.382	3.122	3.046	2.851	2.634	2.458	2.352	2.319	28.054
29.555	3.120	3.039	2.832	2.602	2.418	2.308	2.274	30.235
31.041	3.126	3.041	2.825	2.587	2.397	2.284	2.249	31.727
32.558	3.137	3.048	2.823	2.576	2.379	2.263	2.227	33.249
34.104	3.154	3.060	2.826	2.569	2.366	2.246	2.209	34.801
35.680	3.175	3.077	2.833	2.566	2.355	2.232	2.194	36.383
38.100	3.216	3.111	2.851	2.567	2.345	2.216	2.176	38.812
39.750	3.248	3.139	2.867	2.572	2.341	2.209	2.168	40.469
41.432	3.285	3.170	2.887	2.579	2.341	2.204	2.162	42.157
43.143	3.325	3.205	2.910	2.590	2.342	2.201	2.158	43.875
44.886	3.369	3.244	2.936	2.603	2.346	2.201	2.156	45.625
47.560	3.440	3.307	2.981	2.627	2.356	2.203	2.157	48.309
49.384	3.491	3.353	3.014	2.646	2.365	2.208	2.159	50.139

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/PN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
51.240	3.544	3.400	3.049	2.667	2.376	2.213	2.164	52.003
53.130	3.599	3.450	3.086	2.690	2.389	2.221	2.170	53.901
56.031	3.685	3.528	3.145	2.727	2.410	2.235	2.182	56.812
58.008	3.742	3.581	3.186	2.754	2.427	2.246	2.191	58.797
60.022	3.801	3.635	3.229	2.782	2.444	2.258	2.202	60.819
62.072	3.859	3.689	3.272	2.812	2.463	2.271	2.214	62.876
64.158	3.917	3.743	3.316	2.842	2.482	2.286	2.227	64.971
67.357	4.002	3.823	3.382	2.889	2.513	2.309	2.249	68.181
69.535	4.057	3.875	3.425	2.921	2.535	2.326	2.264	70.368
71.750	4.111	3.926	3.469	2.953	2.557	2.343	2.280	72.592
74.002	4.163	3.976	3.512	2.985	2.580	2.361	2.297	74.852
76.290	4.213	4.024	3.554	3.017	2.602	2.379	2.314	77.148
79.788	4.285	4.093	3.615	3.065	2.637	2.406	2.341	80.660
82.164	4.330	4.137	3.655	3.096	2.660	2.425	2.359	83.045
84.575	4.373	4.179	3.693	3.127	2.683	2.444	2.377	85.465
87.020	4.414	4.219	3.729	3.157	2.706	2.463	2.395	87.920
90.751	4.471	4.275	3.782	3.201	2.739	2.490	2.423	91.665
93.280	4.507	4.311	3.815	3.230	2.761	2.509	2.441	94.204
95.844	4.541	4.344	3.847	3.257	2.782	2.527	2.458	96.777
98.442	4.573	4.376	3.877	3.283	2.803	2.544	2.476	99.385
101.076	4.603	4.406	3.906	3.309	2.824	2.562	2.493	102.029
105.101	4.644	4.448	3.947	3.346	2.854	2.587	2.518	106.069
107.838	4.670	4.474	3.973	3.369	2.873	2.603	2.534	108.817
110.623	4.694	4.498	3.997	3.392	2.892	2.619	2.550	111.613
113.464	4.716	4.522	4.020	3.413	2.910	2.634	2.565	114.465
116.366	4.737	4.543	4.043	3.434	2.928	2.649	2.580	117.378
120.853	4.764	4.573	4.074	3.464	2.954	2.671	2.602	121.882
123.945	4.780	4.591	4.094	3.484	2.970	2.685	2.616	124.985
127.126	4.794	4.608	4.113	3.502	2.987	2.699	2.629	128.179
130.406	4.806	4.623	4.131	3.520	3.003	2.713	2.643	131.472
135.528	4.817	4.641	4.156	3.546	3.026	2.732	2.662	136.613
139.089	4.820	4.650	4.171	3.562	3.041	2.745	2.674	140.187
142.775	4.820	4.656	4.186	3.578	3.056	2.757	2.686	143.887
146.594	4.816	4.659	4.199	3.593	3.070	2.769	2.697	147.721
150.533	4.809	4.658	4.210	3.608	3.084	2.781	2.708	151.675
156.588	4.797	4.652	4.224	3.628	3.103	2.797	2.723	157.754
160.728	4.790	4.645	4.231	3.640	3.116	2.807	2.733	161.910
164.955	4.783	4.638	4.236	3.652	3.127	2.818	2.742	166.152
169.271	4.778	4.632	4.233	3.662	3.139	2.827	2.750	170.485
173.682	4.774	4.626	4.237	3.672	3.149	2.836	2.759	174.912
180.480	4.769	4.620	4.234	3.685	3.164	2.850	2.770	181.737
185.140	4.767	4.617	4.230	3.692	3.174	2.858	2.777	186.414
189.906	4.764	4.614	4.225	3.699	3.183	2.866	2.784	191.199
194.782	4.762	4.613	4.221	3.704	3.191	2.873	2.791	196.093
202.309	4.759	4.610	4.216	3.710	3.203	2.884	2.800	203.649

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.913	28.406	28.134	27.401	26.430	25.482	24.804	24.560	1.484
1.022	27.416	27.151	26.436	25.485	24.562	23.903	23.666	1.593
1.160	26.587	26.340	25.673	24.784	23.922	23.309	23.087	1.741
1.351	25.281	25.047	24.420	23.585	22.778	22.205	21.998	1.923
1.668	23.149	22.941	22.384	21.643	20.931	20.426	20.243	2.242
2.055	20.838	20.655	20.171	19.529	18.915	18.484	18.327	2.630
2.363	19.237	19.075	18.641	18.070	17.527	17.149	17.013	2.939
2.901	16.918	16.780	16.405	15.919	15.465	15.152	15.041	3.479
3.527	14.815	14.698	14.373	13.959	13.575	13.314	13.223	4.107
3.995	13.548	13.441	13.143	12.770	12.427	12.197	12.118	4.578
4.778	11.876	11.780	11.512	11.181	10.885	10.689	10.623	5.364
5.660	10.479	10.390	10.142	9.839	9.572	9.399	9.342	6.249
6.304	9.689	9.603	9.363	9.074	8.820	8.657	8.604	6.895
7.352	8.687	8.604	8.373	8.098	7.858	7.705	7.655	7.947
8.499	7.874	7.792	7.566	7.299	7.067	6.920	6.873	9.098
9.317	7.418	7.337	7.113	6.849	6.621	6.476	6.430	9.919
10.621	6.842	6.761	6.538	6.276	6.051	5.909	5.864	11.229
12.016	6.371	6.290	6.066	5.805	5.581	5.441	5.395	12.629
12.994	6.106	6.024	5.798	5.537	5.313	5.173	5.128	13.610
14.529	5.769	5.684	5.455	5.192	4.967	4.827	4.782	15.152
16.143	5.492	5.405	5.171	4.903	4.677	4.536	4.491	16.772
17.260	5.336	5.248	5.010	4.738	4.509	4.368	4.322	17.893
18.936	5.140	5.048	4.802	4.524	4.291	4.147	4.101	19.636
20.131	5.030	4.935	4.684	4.400	4.164	4.019	3.973	20.835
22.036	4.894	4.795	4.534	4.240	3.998	3.850	3.803	22.687
23.942	4.787	4.683	4.411	4.106	3.857	3.706	3.659	24.601
25.245	4.731	4.623	4.342	4.030	3.776	3.622	3.574	25.908
27.243	4.665	4.551	4.257	3.932	3.669	3.511	3.461	27.914
29.292	4.621	4.500	4.191	3.851	3.578	3.416	3.365	29.971
30.684	4.603	4.477	4.157	3.806	3.526	3.361	3.309	31.368
32.808	4.590	4.456	4.118	3.750	3.459	3.289	3.235	33.502
34.973	4.594	4.451	4.093	3.707	3.404	3.227	3.172	35.674
36.438	4.605	4.456	4.085	3.684	3.372	3.192	3.136	37.144
38.665	4.635	4.475	4.082	3.659	3.333	3.146	3.088	39.380
40.924	4.680	4.509	4.090	3.644	3.303	3.109	3.049	41.648
42.448	4.717	4.538	4.102	3.639	3.287	3.088	3.026	43.177
44.758	4.783	4.592	4.129	3.639	3.269	3.062	2.998	45.496
47.095	4.861	4.657	4.164	3.646	3.258	3.042	2.976	47.842
48.667	4.920	4.706	4.193	3.655	3.254	3.032	2.965	49.420
51.046	5.016	4.788	4.244	3.674	3.253	3.022	2.952	51.808
53.448	5.121	4.879	4.302	3.700	3.257	3.016	2.943	54.219
55.062	5.196	4.944	4.345	3.720	3.262	3.014	2.940	55.939
57.501	5.315	5.048	4.415	3.755	3.274	3.016	2.938	58.288
59.961	5.439	5.157	4.490	3.794	3.290	3.021	2.940	60.757
61.612	5.525	5.233	4.544	3.823	3.303	3.026	2.944	62.414

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
64.105	5.657	5.351	4.627	3.870	3.325	3.037	2.952	64.917
65.778	5.747	5.432	4.686	3.904	3.342	3.046	2.958	66.596
68.333	5.883	5.554	4.776	3.957	3.369	3.061	2.971	69.131
70.845	6.019	5.678	4.868	4.013	3.399	3.079	2.986	71.683
72.549	6.110	5.761	4.931	4.051	3.421	3.093	2.997	73.394
75.119	6.245	5.885	5.026	4.111	3.454	3.114	3.016	75.973
77.704	6.377	6.008	5.122	4.172	3.490	3.138	3.037	78.568
79.436	6.464	6.088	5.186	4.214	3.514	3.155	3.052	80.306
82.044	6.590	6.207	5.282	4.278	3.552	3.181	3.075	82.925
84.666	6.713	6.323	5.377	4.342	3.591	3.208	3.100	85.557
86.421	6.792	6.398	5.439	4.385	3.618	3.227	3.117	87.318
89.064	6.906	6.506	5.531	4.449	3.658	3.256	3.144	89.971
91.720	7.014	6.611	5.620	4.513	3.699	3.286	3.172	92.637
93.498	7.084	6.678	5.679	4.556	3.727	3.306	3.191	94.423
96.179	7.183	6.775	5.764	4.619	3.768	3.337	3.220	97.114
98.879	7.276	6.867	5.847	4.682	3.809	3.368	3.249	99.824
100.692	7.335	6.925	5.900	4.723	3.837	3.389	3.269	101.644
103.434	7.417	7.009	5.978	4.784	3.879	3.421	3.299	104.397
106.211	7.494	7.087	6.053	4.845	3.920	3.453	3.330	107.184
109.885	7.542	7.137	6.101	4.884	3.948	3.474	3.351	109.865
110.938	7.607	7.207	6.172	4.942	3.989	3.506	3.382	111.929
113.850	7.666	7.272	6.239	5.000	4.031	3.538	3.414	114.852
115.829	7.701	7.312	6.282	5.038	4.058	3.560	3.435	116.838
118.862	7.745	7.367	6.345	5.093	4.100	3.592	3.467	119.884
121.933	7.770	7.400	6.385	5.130	4.127	3.614	3.489	121.962
124.120	7.798	7.443	6.443	5.184	4.169	3.647	3.522	125.161
127.413	7.813	7.477	6.497	5.237	4.210	3.680	3.554	128.467
129.673	7.816	7.494	6.531	5.272	4.237	3.702	3.576	130.736
133.169	7.810	7.519	6.579	5.322	4.278	3.734	3.610	134.245
136.801	7.793	7.514	6.621	5.372	4.319	3.767	3.643	137.890
139.299	7.777	7.510	6.647	5.404	4.346	3.789	3.665	140.399
143.175	7.748	7.495	6.679	5.450	4.387	3.821	3.697	144.289
147.215	7.718	7.472	6.704	5.495	4.426	3.853	3.730	148.344
150.007	7.698	7.454	6.716	5.523	4.453	3.874	3.751	151.147
154.357	7.670	7.425	6.725	5.564	4.492	3.906	3.783	155.514
158.915	7.644	7.397	6.723	5.602	4.530	3.937	3.815	160.089
162.079	7.629	7.380	6.717	5.625	4.555	3.958	3.835	163.266
167.021	7.608	7.357	6.702	5.658	4.592	3.988	3.866	168.226
172.134	7.590	7.337	6.682	5.685	4.627	4.018	3.895	173.359
175.569	7.579	7.325	6.668	5.701	4.649	4.036	3.912	176.807
181.760	7.566	7.311	6.649	5.720	4.681	4.063	3.937	182.218
186.003	7.554	7.298	6.631	5.732	4.710	4.088	3.961	187.281
189.528	7.547	7.290	6.621	5.737	4.727	4.104	3.975	190.819
194.865	7.538	7.280	6.608	5.740	4.752	4.126	3.996	196.176
200.264	7.531	7.272	6.597	5.738	4.775	4.148	4.015	201.597

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	44.099	43.674	42.529	41.006	39.532	38.484	38.107	1.484
1.089	42.121	41.721	40.644	39.210	37.819	36.829	36.471	1.660
1.256	40.217	39.842	38.835	37.495	36.201	35.282	34.950	1.828
1.553	36.990	36.653	35.751	34.552	33.396	32.577	32.279	2.126
1.914	33.446	33.149	32.362	31.317	30.316	29.609	29.352	2.489
2.359	29.710	29.461	28.788	27.906	27.067	26.481	26.270	2.936
2.895	26.090	25.878	25.298	24.551	23.849	23.364	23.191	3.473
3.518	22.810	22.629	22.128	21.491	20.900	20.498	20.357	4.098
4.233	19.910	19.753	19.314	18.765	18.267	17.933	17.820	4.816
5.044	17.440	17.298	16.899	16.410	15.974	15.689	15.593	5.630
5.953	15.386	15.253	14.882	14.433	14.038	13.783	13.699	6.543
6.960	13.701	13.574	13.220	12.797	12.428	12.193	12.117	7.554
8.065	12.327	12.204	11.860	11.454	11.102	10.878	10.806	8.663
9.265	11.208	11.087	10.750	10.353	10.011	9.795	9.725	9.868
10.556	10.295	10.174	9.840	9.449	9.113	8.901	8.833	11.164
11.934	9.545	9.424	9.090	8.702	8.370	8.160	8.093	12.547
13.395	8.928	8.805	8.470	8.081	7.750	7.543	7.476	14.014
14.934	8.418	8.293	7.953	7.562	7.231	7.024	6.957	15.558
17.100	7.873	7.743	7.394	6.997	6.662	6.454	6.388	17.732
18.803	7.546	7.412	7.054	6.648	6.309	6.100	6.033	19.442
20.568	7.277	7.137	6.769	6.353	6.008	5.797	5.730	21.214
22.391	7.056	6.911	6.530	6.103	5.751	5.537	5.468	23.044
24.268	6.878	6.726	6.330	5.890	5.529	5.312	5.242	24.928
26.193	6.736	6.577	6.165	5.709	5.339	5.117	5.047	26.863
28.162	6.626	6.458	6.029	5.556	5.175	4.948	4.877	28.837
30.171	6.544	6.368	5.918	5.426	5.034	4.802	4.729	30.854
32.215	6.489	6.302	5.830	5.318	4.913	4.675	4.600	32.906
34.291	6.457	6.259	5.763	5.228	4.809	4.565	4.488	34.989
36.393	6.449	6.238	5.715	5.155	4.720	4.469	4.390	37.099
38.518	6.461	6.236	5.684	5.097	4.645	4.386	4.306	39.232
40.663	6.493	6.253	5.669	5.052	4.582	4.315	4.232	41.385
42.823	6.544	6.288	5.669	5.019	4.529	4.254	4.169	43.554
44.996	6.613	6.340	5.683	4.999	4.487	4.202	4.115	45.735
47.179	6.699	6.407	5.711	4.988	4.454	4.159	4.068	47.926
49.369	6.800	6.488	5.750	4.988	4.429	4.123	4.030	50.125
51.565	6.915	6.583	5.800	4.996	4.411	4.094	3.998	52.329
54.496	7.090	6.729	5.883	5.020	4.399	4.065	3.965	55.272
56.696	7.235	6.851	5.956	5.046	4.396	4.050	3.946	57.480
58.896	7.391	6.984	6.038	5.079	4.399	4.040	3.933	59.688
61.094	7.557	7.126	6.128	5.119	4.408	4.034	3.924	61.895
63.289	7.730	7.276	6.225	5.164	4.420	4.033	3.919	64.098
65.481	7.911	7.433	6.328	5.214	4.438	4.035	3.918	66.298
67.669	8.098	7.596	6.437	5.269	4.458	4.042	3.920	68.494
69.851	8.289	7.764	6.552	5.328	4.483	4.051	3.925	70.685
72.028	8.483	7.936	6.670	5.391	4.510	4.063	3.934	72.871

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.0.

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
74.199	8.680	8.119	6.792	5.457	4.541	4.078	3.945	75.056
76.364	8.877	8.287	6.917	5.526	4.574	4.095	3.958	77.223
78.522	9.074	8.464	7.045	5.598	4.609	4.115	3.974	79.389
80.672	9.270	8.641	7.174	5.672	4.646	4.136	3.992	81.548
82.816	9.463	8.817	7.305	5.749	4.685	4.160	4.011	83.700
84.953	9.653	8.991	7.436	5.826	4.726	4.184	4.033	85.845
87.083	9.839	9.163	7.567	5.906	4.768	4.211	4.056	87.983
89.207	10.020	9.332	7.698	5.986	4.812	4.239	4.080	90.115
91.326	10.196	9.497	7.828	6.067	4.857	4.267	4.105	92.242
94.146	10.421	9.710	8.000	6.177	4.918	4.308	4.141	95.073
96.260	10.582	9.865	8.127	6.260	4.964	4.339	4.169	97.195
98.375	10.736	10.014	8.253	6.343	5.012	4.371	4.198	99.318
100.495	10.892	10.158	8.376	6.426	5.060	4.404	4.229	101.446
102.624	11.049	10.297	8.497	6.509	5.109	4.438	4.260	103.583
104.764	11.148	10.429	8.617	6.593	5.159	4.472	4.292	105.732
106.922	11.268	10.554	8.733	6.676	5.209	4.508	4.324	107.998
109.102	11.377	10.673	8.848	6.760	5.260	4.544	4.358	110.086
111.319	11.476	10.784	8.960	6.844	5.312	4.580	4.393	112.302
113.550	11.562	10.886	9.069	6.928	5.364	4.618	4.429	114.551
115.828	11.635	10.980	9.175	7.011	5.417	4.656	4.465	116.837
118.150	11.693	11.063	9.278	7.095	5.471	4.696	4.503	119.169
120.522	11.736	11.135	9.377	7.179	5.526	4.735	4.541	121.550
122.950	11.762	11.194	9.472	7.263	5.582	4.776	4.581	123.987
125.440	11.771	11.238	9.563	7.346	5.638	4.818	4.622	126.487
127.998	11.763	11.268	9.648	7.429	5.695	4.860	4.663	129.055
130.626	11.741	11.281	9.726	7.511	5.753	4.903	4.706	131.693
133.327	11.706	11.279	9.797	7.593	5.811	4.947	4.749	134.404
137.055	11.645	11.254	9.879	7.699	5.890	5.006	4.809	138.145
139.955	11.592	11.220	9.928	7.777	5.950	5.052	4.854	141.157
142.954	11.537	11.177	9.965	7.853	6.011	5.097	4.900	144.167
146.060	11.482	11.128	9.990	7.927	6.071	5.144	4.948	147.186
149.283	11.428	11.076	10.001	7.998	6.132	5.191	4.995	150.420
152.611	11.376	11.024	9.999	8.066	6.193	5.237	5.044	153.761
156.051	11.327	10.973	9.984	8.129	6.254	5.285	5.092	157.215
159.614	11.282	10.924	9.959	8.188	6.314	5.332	5.140	160.791
163.311	11.240	10.877	9.925	8.241	6.374	5.379	5.189	164.502
167.155	11.202	10.835	9.886	8.287	6.433	5.426	5.238	168.360
171.158	11.168	10.795	9.844	8.325	6.491	5.473	5.286	172.379
175.254	11.138	10.760	9.803	8.355	6.547	5.519	5.333	176.491
179.349	11.114	10.730	9.765	8.375	6.600	5.562	5.376	180.621
183.443	11.095	10.706	9.730	8.386	6.650	5.604	5.418	184.711
187.539	11.078	10.684	9.698	8.388	6.696	5.643	5.457	188.723
191.639	11.064	10.667	9.670	8.384	6.738	5.681	5.493	192.939
195.746	11.053	10.652	9.644	8.374	6.776	5.717	5.527	197.261
201.237	11.042	10.636	9.615	8.356	6.823	5.762	5.570	202.573

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.0.

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	63.253	62.652	61.011	58.830	56.723	55.224	54.678	1.494
1.089	60.413	59.830	58.294	56.238	54.241	52.818	52.303	1.661
1.255	57.665	57.127	55.682	53.761	51.902	50.581	50.103	1.827
1.664	51.347	50.884	49.646	47.999	46.412	45.288	44.881	2.238
2.050	46.129	45.723	44.640	43.223	41.859	40.961	40.553	2.625
2.526	40.732	40.394	39.480	38.284	37.154	36.369	36.087	3.103
3.295	34.103	33.830	33.078	32.115	31.219	30.606	30.390	3.875
3.977	29.736	29.501	28.849	28.028	27.278	26.772	26.598	4.559
4.753	25.968	25.759	25.175	24.454	23.808	23.382	23.239	5.339
5.939	21.887	21.699	21.172	20.535	19.974	19.612	19.494	6.529
6.940	19.453	19.273	18.772	18.174	17.653	17.319	17.212	7.536
8.429	16.890	16.717	16.236	15.668	15.177	14.866	14.766	9.029
9.653	15.376	15.205	14.732	14.178	13.700	13.398	13.301	10.257
10.966	14.135	13.965	13.496	12.950	12.480	12.184	12.089	11.575
12.846	12.813	12.642	12.174	11.631	11.168	10.877	10.784	13.452
14.347	12.020	11.946	11.374	10.830	10.368	10.079	9.987	14.969
15.921	11.360	11.183	10.705	10.157	9.694	9.405	9.313	16.549
18.125	10.650	10.467	9.975	9.417	8.949	8.660	8.568	18.761
19.850	10.221	10.031	9.527	8.958	8.485	8.194	8.101	20.493
22.238	9.761	9.561	9.037	8.449	7.965	7.671	7.577	22.890
24.097	9.485	9.278	8.735	8.132	7.638	7.339	7.244	24.746
25.982	9.260	9.043	8.481	7.859	7.354	7.051	6.955	26.648
28.570	9.029	8.797	8.205	7.556	7.034	6.723	6.625	29.246
30.551	8.900	8.656	8.039	7.366	6.830	6.513	6.413	31.235
32.562	8.805	8.549	7.903	7.204	6.652	6.329	6.227	33.253
35.280	8.729	8.452	7.764	7.026	6.451	6.118	6.014	35.982
37.341	8.706	8.412	7.689	6.918	6.324	5.992	5.876	38.050
40.110	8.718	8.399	7.622	6.804	6.191	5.827	5.717	40.931
42.199	8.757	8.417	7.597	6.738	6.092	5.728	5.615	42.928
44.294	8.820	8.458	7.590	6.689	6.016	5.641	5.526	45.031
47.090	8.930	8.544	7.608	6.644	5.935	5.544	5.425	47.937
49.187	9.052	8.632	7.640	6.626	5.887	5.483	5.360	49.942
51.270	9.186	8.737	7.687	6.619	5.848	5.431	5.305	52.042
54.060	9.391	8.904	7.770	6.627	5.812	5.375	5.244	54.934
56.136	9.565	9.047	7.848	6.645	5.793	5.341	5.206	56.918
59.203	9.754	9.203	7.936	6.671	5.783	5.315	5.176	58.992
60.940	10.027	9.433	8.071	6.718	5.778	5.288	5.144	61.740
62.979	10.248	9.618	8.183	6.762	5.782	5.275	5.126	63.787
65.677	10.556	9.881	8.345	6.831	5.796	5.265	5.110	66.495
67.684	10.799	10.099	8.476	6.889	5.811	5.263	5.103	68.509
69.676	11.049	10.304	8.614	6.953	5.831	5.264	5.100	70.509
72.309	11.394	10.602	8.807	7.046	5.864	5.272	5.102	73.152
74.266	11.658	10.832	8.958	7.120	5.892	5.281	5.107	75.116
76.297	11.926	11.066	9.114	7.198	5.924	5.294	5.114	77.165
78.772	12.286	11.382	9.328	7.308	5.971	5.314	5.129	79.646

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 1.00

L/DN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/DN
93.679	12.557	11.622	9.493	7.394	6.008	5.333	5.143	81.552
87.195	12.918	11.943	9.716	7.513	6.063	5.360	5.164	84.781
95.066	13.186	12.194	9.886	7.615	6.106	5.384	5.183	85.958
95.923	13.451	12.424	10.059	7.699	6.150	5.408	5.203	87.923
89.386	13.799	12.741	10.288	7.829	6.213	5.444	5.233	90.289
91.209	14.054	12.975	10.461	7.926	6.261	5.472	5.257	92.125
93.029	14.332	13.206	10.635	8.025	6.311	5.502	5.282	93.955
95.441	14.623	13.457	10.866	8.150	6.379	5.544	5.318	96.372
97.242	14.854	13.727	11.038	8.263	6.432	5.576	5.347	98.181
99.679	15.149	14.013	11.267	8.401	6.503	5.621	5.386	100.587
101.437	15.358	14.219	11.439	8.506	6.558	5.656	5.418	102.391
103.236	15.556	14.419	11.617	8.611	6.615	5.692	5.450	104.198
105.644	15.802	14.674	11.830	8.754	6.691	5.742	5.495	106.615
107.461	15.970	14.855	11.996	8.862	6.756	5.781	5.530	108.439
109.291	16.124	15.027	12.163	8.971	6.810	5.820	5.566	110.276
111.757	16.305	15.240	12.374	9.118	6.891	5.875	5.616	112.751
113.631	16.413	15.396	12.532	9.230	6.954	5.917	5.655	114.632
115.529	16.514	15.519	12.688	9.342	7.018	5.960	5.695	116.537
118.105	16.610	15.672	12.889	9.493	7.105	6.019	5.751	119.123
120.075	16.657	15.769	13.035	9.608	7.172	6.065	5.795	121.101
122.069	16.686	15.870	13.222	9.762	7.264	6.129	5.855	123.098
124.826	16.683	15.923	13.356	9.879	7.335	6.178	5.902	125.871
126.935	16.661	15.956	13.482	9.996	7.406	6.228	5.950	127.987
129.815	16.635	15.968	13.636	10.152	7.504	6.297	6.017	130.878
132.037	16.546	15.955	13.741	10.268	7.579	6.350	6.068	133.104
134.305	16.476	15.925	13.833	10.385	7.656	6.404	6.121	135.385
137.428	16.370	15.860	13.936	10.539	7.760	6.478	6.195	138.520
139.847	16.285	15.797	13.995	10.653	7.840	6.536	6.252	140.948
142.197	16.168	15.699	14.050	10.802	7.948	6.614	6.330	144.301
145.760	16.080	15.619	14.070	10.911	8.031	6.674	6.391	146.893
148.414	15.994	15.536	14.074	11.016	8.114	6.734	6.452	149.548
152.050	15.884	15.424	14.054	11.149	8.225	6.816	6.536	153.198
154.867	15.806	15.342	14.022	11.242	8.310	6.879	6.600	156.026
157.770	15.732	15.262	13.977	11.329	8.394	6.942	6.665	158.947
161.787	15.643	15.161	13.904	11.434	8.508	7.028	6.753	162.972
164.921	15.582	15.089	13.840	11.501	8.593	7.092	6.821	166.118
169.264	15.511	15.002	13.750	11.576	8.706	7.180	6.912	170.478
172.623	15.466	14.944	13.681	11.617	8.789	7.244	6.980	173.846
176.065	15.427	14.893	13.614	11.647	8.871	7.309	7.047	177.304
180.708	15.385	14.835	13.527	11.666	8.976	7.395	7.136	182.056
184.364	15.361	14.800	13.467	11.667	9.050	7.456	7.199	185.636
187.919	15.342	14.772	13.414	11.658	9.119	7.515	7.259	189.214
192.646	15.325	14.743	13.350	11.635	9.203	7.590	7.335	193.949
196.184	15.316	14.726	13.308	11.611	9.260	7.643	7.388	197.501
200.896	15.309	14.709	13.261	11.573	9.328	7.711	7.455	202.231

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	1.456	1.444	1.413	1.372	1.331	1.301	1.291	1.466
.948	1.403	1.391	1.361	1.320	1.279	1.250	1.240	1.519
1.005	1.442	1.430	1.398	1.356	1.315	1.286	1.275	1.576
1.129	1.469	1.457	1.426	1.383	1.342	1.313	1.302	1.701
1.271	1.468	1.457	1.426	1.385	1.345	1.316	1.306	1.844
1.349	1.465	1.453	1.423	1.382	1.342	1.314	1.304	1.922
1.518	1.454	1.443	1.413	1.373	1.334	1.307	1.297	2.092
1.709	1.441	1.430	1.401	1.362	1.324	1.297	1.287	2.284
1.923	1.423	1.413	1.384	1.347	1.310	1.285	1.275	2.499
2.039	1.413	1.403	1.375	1.338	1.303	1.277	1.268	2.616
2.289	1.389	1.379	1.352	1.317	1.283	1.259	1.250	2.867
2.566	1.365	1.356	1.330	1.297	1.265	1.242	1.234	3.146
2.871	1.343	1.334	1.309	1.278	1.248	1.227	1.219	3.452
3.034	1.332	1.323	1.299	1.268	1.238	1.218	1.211	3.616
3.383	1.311	1.302	1.278	1.248	1.220	1.201	1.194	3.967
3.762	1.293	1.284	1.260	1.230	1.202	1.183	1.177	4.349
4.175	1.278	1.270	1.246	1.216	1.188	1.169	1.163	4.763
4.393	1.272	1.264	1.240	1.210	1.182	1.164	1.157	4.983
4.856	1.262	1.253	1.230	1.201	1.174	1.155	1.149	5.449
5.355	1.254	1.246	1.222	1.194	1.167	1.150	1.144	5.950
5.890	1.249	1.240	1.217	1.189	1.163	1.146	1.140	6.488
6.171	1.247	1.239	1.215	1.187	1.161	1.144	1.139	6.771
6.764	1.245	1.237	1.213	1.185	1.159	1.143	1.138	7.367
7.396	1.245	1.236	1.213	1.185	1.159	1.143	1.138	8.002
8.069	1.246	1.238	1.214	1.186	1.161	1.144	1.139	8.679
8.422	1.248	1.239	1.215	1.187	1.162	1.146	1.140	9.034
9.160	1.251	1.243	1.219	1.190	1.165	1.149	1.144	9.776
9.942	1.255	1.247	1.223	1.194	1.169	1.153	1.148	10.563
10.771	1.260	1.251	1.227	1.199	1.174	1.158	1.153	11.396
11.204	1.262	1.254	1.229	1.201	1.176	1.160	1.155	11.831
12.105	1.268	1.259	1.235	1.206	1.181	1.165	1.160	12.738
13.057	1.273	1.264	1.240	1.211	1.186	1.170	1.166	13.695
14.061	1.278	1.270	1.245	1.216	1.191	1.175	1.171	14.704
14.583	1.281	1.272	1.247	1.219	1.194	1.178	1.173	15.229
15.659	1.286	1.277	1.252	1.223	1.198	1.183	1.178	16.321
16.812	1.291	1.282	1.257	1.228	1.203	1.187	1.183	17.470
18.014	1.296	1.287	1.262	1.232	1.207	1.192	1.187	18.679
18.637	1.298	1.289	1.264	1.235	1.209	1.194	1.189	19.306
19.931	1.302	1.293	1.268	1.238	1.213	1.198	1.193	20.607
21.290	1.306	1.297	1.271	1.242	1.217	1.201	1.197	21.973
22.715	1.310	1.301	1.275	1.245	1.220	1.205	1.200	23.406
23.454	1.311	1.302	1.277	1.247	1.222	1.206	1.201	24.149
24.984	1.314	1.305	1.280	1.250	1.225	1.209	1.204	25.687
26.597	1.317	1.308	1.282	1.253	1.227	1.211	1.207	27.299
28.265	1.320	1.311	1.285	1.255	1.229	1.214	1.209	28.987

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.134	1.321	1.312	1.286	1.256	1.231	1.215	1.210	29.860
30.931	1.324	1.314	1.288	1.259	1.233	1.217	1.212	31.667
32.812	1.325	1.316	1.290	1.260	1.234	1.218	1.214	33.558
34.778	1.328	1.318	1.292	1.262	1.236	1.220	1.215	35.535
35.795	1.328	1.319	1.293	1.263	1.237	1.221	1.216	36.557
37.896	1.330	1.321	1.295	1.264	1.238	1.222	1.217	38.670
40.092	1.332	1.322	1.296	1.266	1.239	1.223	1.218	40.878
42.385	1.333	1.324	1.297	1.267	1.241	1.224	1.219	43.184
43.570	1.334	1.324	1.298	1.267	1.241	1.225	1.220	44.375
46.017	1.335	1.325	1.299	1.269	1.242	1.226	1.221	46.836
48.571	1.336	1.327	1.300	1.270	1.243	1.227	1.222	49.404
51.236	1.337	1.328	1.301	1.270	1.244	1.227	1.222	52.084
52.612	1.338	1.328	1.302	1.271	1.244	1.228	1.223	53.468
55.453	1.338	1.329	1.303	1.272	1.245	1.228	1.223	56.324
58.415	1.339	1.330	1.303	1.272	1.246	1.229	1.224	59.302
61.504	1.340	1.330	1.304	1.273	1.246	1.230	1.224	62.409
63.098	1.340	1.331	1.304	1.273	1.247	1.230	1.225	64.011
66.387	1.341	1.332	1.305	1.274	1.247	1.230	1.225	67.318
69.814	1.342	1.332	1.306	1.275	1.248	1.231	1.226	70.765
73.387	1.342	1.333	1.306	1.275	1.248	1.231	1.226	74.357
75.229	1.343	1.333	1.306	1.275	1.248	1.231	1.226	76.209
79.028	1.343	1.333	1.307	1.276	1.249	1.232	1.226	80.029
82.987	1.344	1.334	1.307	1.276	1.249	1.232	1.227	84.009
87.110	1.344	1.334	1.308	1.277	1.249	1.232	1.227	88.155
89.235	1.344	1.335	1.308	1.277	1.250	1.233	1.227	90.293
93.618	1.345	1.335	1.308	1.277	1.250	1.233	1.227	94.699
98.182	1.345	1.335	1.309	1.277	1.250	1.233	1.228	99.289
102.935	1.345	1.336	1.309	1.278	1.250	1.233	1.228	104.067
105.384	1.346	1.336	1.309	1.278	1.251	1.233	1.228	106.530
110.433	1.346	1.336	1.310	1.278	1.251	1.234	1.228	111.607
115.689	1.346	1.336	1.310	1.278	1.251	1.234	1.228	116.892
121.161	1.346	1.337	1.310	1.279	1.251	1.234	1.229	122.394
123.981	1.347	1.337	1.310	1.279	1.251	1.234	1.229	125.229
129.792	1.347	1.337	1.310	1.279	1.252	1.234	1.229	131.073
135.841	1.347	1.337	1.311	1.279	1.252	1.234	1.229	137.155
142.138	1.347	1.338	1.311	1.279	1.252	1.235	1.229	143.486
145.382	1.347	1.338	1.311	1.279	1.252	1.235	1.229	146.748
152.067	1.348	1.338	1.311	1.280	1.252	1.235	1.229	153.471
159.026	1.348	1.338	1.311	1.280	1.252	1.235	1.229	160.467
166.268	1.348	1.339	1.311	1.280	1.252	1.235	1.230	167.750
169.990	1.348	1.338	1.312	1.280	1.252	1.235	1.230	171.501
177.689	1.348	1.338	1.312	1.280	1.253	1.235	1.230	179.234
185.693	1.348	1.338	1.312	1.280	1.253	1.235	1.230	187.281
194.024	1.348	1.339	1.312	1.280	1.253	1.235	1.230	195.658
202.694	1.348	1.339	1.312	1.280	1.253	1.235	1.230	204.377

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	2.418	2.397	2.341	2.265	2.193	2.140	2.122	1.466
.951	2.317	2.296	2.241	2.167	2.095	2.044	2.025	1.522
1.012	2.369	2.348	2.292	2.217	2.144	2.092	2.073	1.583
1.150	2.361	2.341	2.287	2.215	2.144	2.094	2.076	1.722
1.310	2.309	2.290	2.238	2.168	2.100	2.052	2.035	1.883
1.490	2.279	2.260	2.209	2.141	2.074	2.027	2.010	1.974
1.602	2.213	2.195	2.146	2.080	2.017	1.972	1.956	2.176
1.833	2.138	2.120	2.074	2.012	1.952	1.910	1.895	2.409
2.098	2.056	2.040	1.996	1.937	1.881	1.842	1.827	2.676
2.244	2.012	1.996	1.953	1.897	1.843	1.806	1.792	2.822
2.565	1.925	1.910	1.870	1.817	1.767	1.733	1.720	3.144
2.924	1.842	1.828	1.789	1.740	1.693	1.660	1.649	3.506
3.325	1.765	1.752	1.715	1.667	1.622	1.592	1.581	3.909
3.542	1.730	1.717	1.680	1.633	1.590	1.560	1.549	4.127
4.008	1.665	1.652	1.616	1.571	1.529	1.501	1.491	4.596
4.520	1.609	1.596	1.561	1.517	1.476	1.449	1.439	5.111
5.078	1.562	1.549	1.514	1.470	1.431	1.404	1.395	5.671
5.374	1.542	1.529	1.494	1.450	1.411	1.384	1.375	5.970
6.003	1.508	1.496	1.460	1.416	1.377	1.350	1.342	6.602
6.681	1.483	1.470	1.434	1.389	1.350	1.323	1.315	7.283
7.408	1.464	1.451	1.414	1.369	1.329	1.303	1.294	8.014
7.790	1.457	1.444	1.406	1.361	1.321	1.294	1.286	8.399
8.592	1.447	1.433	1.395	1.349	1.308	1.282	1.273	9.205
9.446	1.442	1.428	1.389	1.342	1.300	1.273	1.265	10.064
10.351	1.441	1.427	1.387	1.339	1.296	1.269	1.260	10.974
10.824	1.442	1.427	1.387	1.338	1.296	1.268	1.259	11.449
11.809	1.446	1.431	1.389	1.340	1.296	1.268	1.259	12.439
12.848	1.452	1.437	1.394	1.343	1.299	1.270	1.261	13.484
13.941	1.461	1.445	1.401	1.349	1.304	1.274	1.265	14.584
14.509	1.466	1.450	1.405	1.353	1.307	1.277	1.268	15.155
15.687	1.476	1.460	1.414	1.360	1.314	1.284	1.274	16.339
16.922	1.487	1.470	1.424	1.369	1.321	1.291	1.281	17.581
18.216	1.499	1.482	1.434	1.379	1.330	1.299	1.289	18.882
18.885	1.505	1.487	1.440	1.383	1.334	1.303	1.294	19.554
20.268	1.517	1.499	1.450	1.393	1.343	1.312	1.302	20.945
21.712	1.528	1.510	1.461	1.402	1.352	1.321	1.311	22.398
23.219	1.539	1.521	1.471	1.412	1.361	1.329	1.319	23.913
23.996	1.544	1.526	1.476	1.416	1.365	1.333	1.323	24.694
25.600	1.554	1.536	1.485	1.425	1.373	1.341	1.331	26.306
27.269	1.564	1.545	1.494	1.433	1.381	1.349	1.339	27.984
29.005	1.572	1.553	1.502	1.441	1.388	1.356	1.346	29.730
29.890	1.576	1.557	1.506	1.444	1.392	1.359	1.349	30.629
31.739	1.584	1.565	1.513	1.451	1.398	1.365	1.355	32.480
33.651	1.591	1.571	1.519	1.457	1.404	1.371	1.361	34.402
35.635	1.597	1.578	1.525	1.463	1.410	1.376	1.366	36.397

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
36.655	1.580	1.581	1.528	1.466	1.412	1.379	1.369	37.423
38.753	1.606	1.586	1.533	1.471	1.417	1.384	1.373	39.532
40.927	1.611	1.591	1.538	1.475	1.421	1.388	1.377	41.719
43.181	1.615	1.595	1.542	1.479	1.425	1.391	1.381	43.985
44.339	1.617	1.597	1.544	1.481	1.427	1.393	1.383	45.149
46.716	1.621	1.601	1.548	1.485	1.430	1.396	1.386	47.539
49.177	1.625	1.605	1.552	1.488	1.433	1.399	1.389	50.013
51.724	1.628	1.609	1.555	1.491	1.436	1.402	1.391	52.575
53.031	1.629	1.609	1.556	1.492	1.437	1.403	1.393	53.889
55.713	1.632	1.612	1.559	1.495	1.440	1.405	1.395	56.585
58.487	1.635	1.615	1.561	1.497	1.442	1.408	1.397	59.374
61.355	1.637	1.617	1.564	1.500	1.444	1.409	1.399	62.258
62.825	1.638	1.618	1.565	1.501	1.445	1.410	1.399	63.737
65.840	1.640	1.620	1.567	1.503	1.447	1.412	1.401	66.768
68.956	1.642	1.622	1.569	1.504	1.448	1.414	1.403	69.901
72.175	1.644	1.624	1.570	1.506	1.450	1.415	1.404	73.139
73.825	1.645	1.625	1.571	1.507	1.451	1.416	1.405	74.797
77.205	1.646	1.626	1.573	1.508	1.452	1.417	1.406	78.196
80.696	1.648	1.628	1.574	1.509	1.453	1.418	1.407	81.706
84.301	1.649	1.629	1.575	1.511	1.454	1.419	1.408	85.331
86.147	1.650	1.629	1.576	1.511	1.455	1.419	1.408	87.188
89.929	1.651	1.631	1.577	1.512	1.456	1.420	1.409	90.990
93.834	1.652	1.632	1.578	1.513	1.457	1.421	1.410	94.916
97.864	1.653	1.633	1.579	1.514	1.458	1.422	1.411	98.969
99.928	1.653	1.633	1.580	1.515	1.458	1.422	1.411	101.044
104.155	1.654	1.634	1.580	1.516	1.459	1.423	1.412	105.294
108.518	1.655	1.635	1.581	1.516	1.460	1.424	1.412	109.681
113.021	1.656	1.635	1.582	1.517	1.460	1.424	1.413	114.210
115.327	1.656	1.636	1.582	1.517	1.461	1.425	1.413	116.528
120.051	1.657	1.636	1.583	1.518	1.461	1.425	1.414	121.277
124.927	1.657	1.637	1.584	1.519	1.462	1.426	1.414	126.181
129.952	1.658	1.638	1.584	1.519	1.462	1.426	1.415	131.243
132.541	1.658	1.638	1.584	1.519	1.463	1.427	1.415	133.836
137.825	1.659	1.638	1.585	1.520	1.463	1.427	1.415	139.150
143.283	1.659	1.639	1.585	1.520	1.463	1.427	1.416	144.638
148.922	1.659	1.639	1.586	1.521	1.464	1.428	1.416	150.308
151.812	1.659	1.639	1.586	1.521	1.464	1.428	1.416	153.213
157.735	1.659	1.640	1.586	1.521	1.464	1.428	1.417	159.170
163.859	1.660	1.640	1.587	1.522	1.465	1.429	1.417	165.327
170.190	1.660	1.640	1.587	1.522	1.465	1.429	1.417	171.693
173.435	1.660	1.640	1.587	1.522	1.465	1.429	1.417	174.956
180.093	1.660	1.640	1.587	1.522	1.465	1.429	1.417	181.651
186.980	1.660	1.640	1.587	1.523	1.466	1.429	1.418	188.575
194.104	1.660	1.641	1.588	1.523	1.466	1.430	1.418	195.739
201.476	1.660	1.641	1.588	1.523	1.466	1.430	1.418	203.151

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.895	8.039	7.964	7.763	7.495	7.235	7.050	6.984	1.466
1.004	7.785	7.712	7.514	7.252	6.997	6.816	6.750	1.575
1.072	7.726	7.655	7.463	7.208	6.961	6.784	6.720	1.643
1.238	7.422	7.355	7.174	6.934	6.701	6.536	6.476	1.811
1.426	7.082	7.019	6.849	6.622	6.404	6.248	6.192	2.000
1.639	6.714	6.655	6.497	6.286	6.083	5.939	5.887	2.213
1.880	6.325	6.270	6.123	5.929	5.742	5.610	5.562	2.456
2.155	5.919	5.869	5.735	5.557	5.387	5.268	5.225	2.732
2.469	5.511	5.466	5.342	5.181	5.027	4.920	4.882	3.048
2.818	5.123	5.091	4.966	4.817	4.677	4.580	4.546	3.400
3.410	4.588	4.550	4.447	4.315	4.192	4.107	4.077	3.995
3.852	4.267	4.232	4.135	4.011	3.898	3.820	3.793	4.439
4.333	3.980	3.947	3.853	3.736	3.629	3.557	3.533	4.922
4.852	3.727	3.694	3.604	3.491	3.389	3.321	3.298	5.445
5.412	3.505	3.473	3.385	3.275	3.176	3.111	3.089	6.008
6.012	3.313	3.282	3.194	3.087	2.990	2.926	2.905	6.611
6.652	3.149	3.117	3.030	2.923	2.828	2.765	2.744	7.255
7.332	3.009	2.976	2.888	2.782	2.687	2.625	2.604	7.938
8.051	2.889	2.856	2.768	2.660	2.565	2.503	2.483	8.661
8.809	2.787	2.755	2.665	2.557	2.461	2.398	2.378	9.424
10.018	2.666	2.632	2.539	2.429	2.331	2.268	2.247	10.639
10.871	2.601	2.567	2.472	2.359	2.260	2.196	2.174	11.496
11.760	2.549	2.513	2.416	2.300	2.199	2.134	2.112	12.391
12.685	2.507	2.470	2.370	2.251	2.148	2.081	2.059	13.321
13.646	2.474	2.436	2.333	2.211	2.104	2.036	2.014	14.287
14.641	2.450	2.410	2.303	2.177	2.068	1.999	1.976	15.288
15.671	2.433	2.392	2.281	2.151	2.038	1.967	1.944	16.323
16.735	2.423	2.380	2.265	2.130	2.014	1.941	1.917	17.393
17.832	2.420	2.374	2.255	2.115	1.995	1.920	1.895	18.496
18.957	2.422	2.375	2.250	2.105	1.981	1.903	1.878	19.633
20.723	2.435	2.384	2.252	2.098	1.967	1.886	1.859	21.402
21.938	2.449	2.396	2.258	2.098	1.963	1.879	1.851	22.625
23.188	2.467	2.412	2.269	2.102	1.962	1.874	1.846	23.882
24.473	2.490	2.432	2.282	2.109	1.964	1.873	1.844	25.174
25.794	2.515	2.455	2.299	2.119	1.968	1.875	1.844	26.502
27.152	2.543	2.480	2.319	2.132	1.975	1.878	1.847	27.867
28.548	2.574	2.509	2.341	2.147	1.985	1.885	1.852	29.271
29.983	2.607	2.539	2.365	2.164	1.996	1.893	1.859	30.714
31.459	2.641	2.571	2.391	2.183	2.009	1.903	1.868	32.198
32.977	2.677	2.605	2.419	2.203	2.024	1.914	1.879	33.724
35.336	2.733	2.655	2.463	2.237	2.049	1.934	1.897	36.096
36.967	2.770	2.692	2.493	2.260	2.067	1.949	1.911	37.736
38.648	2.807	2.727	2.523	2.284	2.086	1.964	1.926	39.424
40.374	2.844	2.762	2.554	2.309	2.105	1.981	1.941	41.162
42.154	2.880	2.797	2.584	2.334	2.125	1.998	1.958	42.952

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
43.987	2.915	2.830	2.614	2.359	2.146	2.016	1.975	44.795
45.875	2.948	2.863	2.644	2.384	2.166	2.034	1.992	46.693
47.818	2.980	2.894	2.672	2.408	2.186	2.052	2.010	48.647
49.819	3.011	2.924	2.700	2.432	2.207	2.070	2.027	50.659
51.878	3.040	2.952	2.726	2.455	2.226	2.088	2.045	52.729
55.077	3.080	2.992	2.763	2.488	2.255	2.114	2.070	55.946
57.286	3.105	3.016	2.786	2.509	2.273	2.131	2.087	58.167
59.556	3.129	3.039	2.808	2.529	2.291	2.147	2.103	60.450
61.888	3.150	3.060	2.829	2.548	2.308	2.163	2.118	62.794
64.282	3.171	3.081	2.848	2.566	2.324	2.178	2.133	65.202
66.740	3.190	3.099	2.866	2.582	2.339	2.192	2.147	67.674
69.263	3.207	3.117	2.883	2.598	2.354	2.205	2.160	70.210
71.851	3.224	3.133	2.899	2.613	2.368	2.218	2.173	72.812
74.506	3.239	3.149	2.914	2.627	2.380	2.230	2.185	75.483
77.228	3.253	3.163	2.928	2.641	2.392	2.241	2.196	78.219
81.376	3.273	3.182	2.948	2.659	2.409	2.257	2.211	82.389
84.182	3.284	3.194	2.959	2.670	2.419	2.266	2.220	85.211
87.025	3.295	3.205	2.970	2.681	2.429	2.275	2.228	88.070
89.909	3.304	3.215	2.980	2.690	2.438	2.283	2.236	90.969
92.837	3.313	3.224	2.990	2.700	2.446	2.290	2.243	93.914
95.815	3.320	3.232	2.998	2.708	2.454	2.298	2.250	96.909
98.848	3.327	3.239	3.006	2.716	2.462	2.304	2.257	99.958
101.940	3.332	3.245	3.014	2.723	2.469	2.311	2.263	103.067
105.096	3.337	3.251	3.021	2.730	2.475	2.317	2.268	106.241
108.321	3.340	3.255	3.027	2.737	2.482	2.322	2.274	109.483
113.294	3.343	3.260	3.035	2.746	2.490	2.330	2.281	114.483
116.705	3.344	3.262	3.039	2.752	2.496	2.335	2.286	117.913
120.196	3.343	3.263	3.043	2.757	2.501	2.340	2.290	121.424
123.772	3.343	3.264	3.047	2.762	2.506	2.344	2.294	125.019
127.434	3.341	3.263	3.049	2.766	2.511	2.349	2.298	128.701
131.185	3.340	3.262	3.051	2.770	2.515	2.353	2.302	132.473
135.028	3.339	3.261	3.052	2.774	2.519	2.356	2.306	136.338
138.967	3.339	3.261	3.053	2.777	2.523	2.360	2.309	140.298
143.005	3.338	3.260	3.053	2.780	2.526	2.364	2.312	144.358
147.144	3.338	3.260	3.053	2.782	2.530	2.367	2.315	148.520
153.551	3.338	3.259	3.052	2.785	2.534	2.371	2.320	154.963
157.960	3.338	3.259	3.052	2.786	2.537	2.374	2.322	159.395
162.482	3.338	3.259	3.052	2.787	2.539	2.377	2.325	163.942
167.121	3.338	3.259	3.052	2.788	2.541	2.379	2.327	168.607
171.880	3.338	3.259	3.052	2.789	2.543	2.382	2.329	173.393
176.765	3.338	3.259	3.052	2.789	2.545	2.384	2.332	178.304
181.777	3.338	3.259	3.052	2.789	2.547	2.386	2.334	183.344
186.921	3.337	3.259	3.052	2.789	2.548	2.388	2.335	188.516
192.200	3.337	3.259	3.053	2.789	2.549	2.389	2.337	193.825
200.382	3.337	3.259	3.053	2.790	2.550	2.391	2.339	202.052

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	17.402	17.238	16.795	16.207	15.638	15.233	15.088	1.466
1.032	16.915	16.655	16.223	15.648	15.091	14.694	14.550	1.573
1.145	16.370	16.180	15.775	15.237	14.715	14.343	14.209	1.717
1.320	15.566	15.424	15.042	14.534	14.042	13.692	13.566	1.893
1.624	14.318	14.189	13.847	13.392	12.953	12.642	12.529	2.199
1.993	12.966	12.852	12.550	12.150	11.766	11.496	11.398	2.570
2.284	12.033	11.930	11.656	11.293	10.947	10.706	10.619	2.862
2.783	10.696	10.607	10.365	10.051	9.755	9.551	9.478	3.364
3.360	9.497	9.408	9.194	8.918	8.662	8.486	8.424	3.944
3.788	8.757	8.685	8.485	8.231	7.997	7.837	7.782	4.375
4.501	7.796	7.729	7.544	7.313	7.103	6.962	6.914	5.091
5.297	6.993	6.930	6.754	6.538	6.343	6.213	6.170	5.892
5.874	6.530	6.477	6.306	6.095	5.907	5.783	5.742	6.472
6.810	5.966	5.905	5.737	5.532	5.350	5.231	5.191	7.413
7.479	5.647	5.586	5.418	5.215	5.035	4.918	4.879	8.085
8.547	5.247	5.185	5.017	4.814	4.636	4.519	4.481	9.160
9.691	4.925	4.863	4.692	4.488	4.309	4.193	4.155	10.310
10.494	4.747	4.683	4.511	4.305	4.125	4.008	3.970	11.117
11.754	4.525	4.460	4.283	4.073	3.890	3.772	3.733	12.385
13.080	4.349	4.282	4.099	3.884	3.697	3.577	3.538	13.717
13.997	4.254	4.184	3.997	3.777	3.597	3.466	3.426	14.640
15.429	4.139	4.066	3.871	3.643	3.448	3.324	3.283	16.071
16.898	4.053	3.976	3.773	3.536	3.333	3.206	3.164	17.556
17.911	4.010	3.930	3.720	3.476	3.269	3.139	3.096	18.575
19.470	3.964	3.879	3.658	3.403	3.188	3.053	3.009	20.143
21.075	3.938	3.848	3.615	3.347	3.123	2.983	2.937	21.756
22.158	3.931	3.837	3.596	3.319	3.087	2.944	2.897	22.855
23.841	3.934	3.834	3.579	3.286	3.044	2.895	2.847	24.538
24.977	3.944	3.840	3.574	3.272	3.022	2.869	2.819	25.681
26.712	3.970	3.859	3.578	3.259	2.997	2.837	2.785	27.425
29.481	4.010	3.891	3.593	3.255	2.980	2.813	2.769	29.204
30.678	4.042	3.918	3.609	3.258	2.974	2.802	2.747	30.408
31.500	4.100	3.969	3.639	3.269	2.970	2.791	2.773	32.239
33.352	4.167	4.027	3.678	3.287	2.973	2.785	2.725	34.101
34.602	4.217	4.071	3.709	3.303	2.978	2.785	2.723	35.358
36.500	4.299	4.144	3.760	3.332	2.991	2.789	2.724	37.267
38.426	4.388	4.223	3.818	3.367	3.008	2.797	2.730	39.203
39.724	4.450	4.279	3.860	3.393	3.023	2.805	2.736	40.508
41.692	4.547	4.368	3.927	3.435	3.047	2.820	2.748	42.487
43.018	4.614	4.429	3.974	3.466	3.066	2.832	2.758	43.821
45.028	4.717	4.523	4.048	3.515	3.096	2.853	2.776	45.842
47.063	4.821	4.619	4.124	3.568	3.130	2.876	2.796	47.888
48.433	4.890	4.684	4.176	3.604	3.154	2.893	2.811	49.265
50.507	4.993	4.780	4.254	3.662	3.191	2.921	2.836	51.351
52.635	5.095	4.876	4.333	3.717	3.231	2.950	2.863	53.461

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
54.017	5.161	4.938	4.386	3.756	3.258	2.971	2.882	54.880
56.153	5.258	5.030	4.464	3.814	3.300	3.003	2.911	57.028
58.312	5.351	5.119	4.540	3.873	3.342	3.037	2.942	59.199
59.764	5.411	5.176	4.590	3.912	3.371	3.059	2.963	60.659
61.960	5.487	5.249	4.663	3.970	3.414	3.094	2.995	62.867
64.180	5.578	5.338	4.734	4.027	3.457	3.129	3.028	65.099
65.673	5.630	5.388	4.779	4.064	3.486	3.152	3.050	66.600
67.934	5.703	5.460	4.845	4.118	3.528	3.188	3.093	68.874
69.456	5.749	5.505	4.887	4.153	3.556	3.211	3.106	70.404
71.764	5.815	5.570	4.948	4.205	3.597	3.246	3.139	72.725
74.107	5.876	5.631	5.006	4.255	3.637	3.280	3.172	75.091
75.690	5.913	5.669	5.043	4.287	3.664	3.303	3.194	76.673
78.107	5.966	5.723	5.096	4.334	3.703	3.337	3.227	79.099
80.568	6.014	5.773	5.146	4.380	3.741	3.370	3.259	81.577
82.245	6.043	5.804	5.178	4.409	3.765	3.391	3.280	83.263
84.818	6.082	5.847	5.224	4.452	3.802	3.423	3.312	85.851
87.470	6.115	5.884	5.267	4.493	3.837	3.455	3.343	88.517
89.287	6.133	5.907	5.294	4.519	3.860	3.476	3.363	90.344
92.094	6.155	5.936	5.333	4.558	3.894	3.506	3.393	93.167
94.025	6.164	5.951	5.356	4.582	3.916	3.526	3.413	95.108
97.019	6.172	5.969	5.389	4.619	3.949	3.555	3.442	98.119
100.140	6.171	5.979	5.418	4.653	3.980	3.584	3.471	101.257
102.298	6.167	5.981	5.434	4.675	4.001	3.602	3.489	103.427
105.659	6.156	5.978	5.455	4.706	4.031	3.629	3.516	106.807
109.179	6.142	5.969	5.469	4.735	4.060	3.656	3.543	110.346
111.620	6.132	5.961	5.475	4.753	4.078	3.673	3.560	112.801
115.436	6.118	5.948	5.479	4.777	4.105	3.698	3.584	116.637
119.450	6.105	5.934	5.476	4.799	4.131	3.721	3.608	120.674
122.246	6.097	5.926	5.471	4.811	4.148	3.737	3.624	123.485
126.633	6.087	5.915	5.462	4.826	4.171	3.759	3.646	127.896
131.170	6.078	5.906	5.452	4.837	4.193	3.780	3.666	132.458
134.248	6.073	5.901	5.446	4.841	4.206	3.793	3.679	135.553
138.951	6.067	5.895	5.438	4.844	4.223	3.811	3.696	140.282
142.149	6.063	5.891	5.434	4.844	4.234	3.822	3.707	143.498
147.050	6.058	5.886	5.428	4.841	4.247	3.838	3.722	148.426
152.091	6.053	5.881	5.423	4.837	4.258	3.852	3.736	153.494
155.538	6.051	5.878	5.421	4.834	4.264	3.861	3.744	156.961
160.855	6.047	5.874	5.417	4.830	4.271	3.873	3.756	162.306
166.367	6.044	5.871	5.413	4.826	4.275	3.884	3.766	167.849
170.162	6.042	5.868	5.411	4.824	4.276	3.890	3.772	171.665
176.058	6.040	5.866	5.408	4.822	4.277	3.897	3.780	177.593
182.220	6.039	5.863	5.405	4.820	4.276	3.903	3.786	183.790
186.493	6.038	5.862	5.403	4.819	4.275	3.906	3.790	188.085
193.169	6.038	5.861	5.401	4.817	4.273	3.909	3.794	194.799
200.194	6.038	5.860	5.399	4.815	4.272	3.910	3.796	201.862

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	30.519	30.220	29.449	28.404	27.401	26.688	26.431	1.466
1.066	29.176	28.902	28.166	27.185	26.233	25.554	25.309	1.638
1.227	27.901	27.643	26.952	26.032	25.142	24.509	24.280	1.801
1.512	25.739	25.506	24.882	24.052	23.249	22.681	22.474	2.086
1.986	22.550	22.351	21.824	21.125	20.455	19.983	19.812	2.763
2.432	20.272	19.993	19.446	18.845	18.276	17.879	17.737	3.211
2.951	17.772	17.624	17.221	16.689	16.210	15.873	15.752	3.733
3.764	15.066	14.941	14.597	14.160	13.757	13.482	13.386	4.550
4.467	13.348	13.234	12.918	12.524	12.165	11.925	11.842	5.357
5.252	11.907	11.800	11.503	11.136	10.805	10.587	10.513	5.847
6.426	10.374	10.271	9.987	9.641	9.334	9.132	9.065	7.027
7.399	9.468	9.367	9.088	8.750	8.451	8.256	8.192	8.005
8.446	8.733	8.632	8.354	8.019	7.724	7.533	7.470	9.059
9.954	7.964	7.861	7.580	7.245	6.951	6.762	6.699	10.574
11.161	7.511	7.406	7.121	6.783	6.488	6.297	6.235	11.789
12.420	7.144	7.038	6.745	6.401	6.102	5.911	5.848	13.064
14.206	6.762	6.648	6.346	5.991	5.686	5.491	5.427	14.850
15.598	6.541	6.423	6.113	5.745	5.432	5.234	5.169	16.249
17.034	6.366	6.243	5.918	5.540	5.219	5.017	4.950	17.694
18.914	6.194	6.067	5.719	5.322	4.988	4.778	4.710	19.684
20.541	6.134	5.965	5.605	5.192	4.846	4.631	4.561	21.220
22.100	6.042	5.896	5.518	5.087	4.729	4.507	4.435	22.787
24.223	5.999	5.840	5.437	4.980	4.602	4.371	4.296	24.922
25.843	5.992	5.824	5.399	4.922	4.527	4.288	4.211	26.551
27.484	6.004	5.826	5.378	4.875	4.467	4.219	4.139	28.201
29.698	6.050	5.857	5.375	4.838	4.406	4.146	4.063	30.428
31.375	6.104	5.898	5.388	4.824	4.372	4.103	4.017	32.114
33.057	6.174	5.955	5.415	4.821	4.349	4.069	3.980	33.811
35.325	6.291	6.052	5.470	4.832	4.331	4.037	3.943	36.086
37.020	6.394	6.140	5.523	4.851	4.327	4.021	3.924	37.798
38.735	6.509	6.240	5.587	4.878	4.330	4.011	3.911	39.514
41.013	6.680	6.389	5.686	4.926	4.343	4.007	3.902	41.805
42.729	6.820	6.511	5.770	4.970	4.360	4.010	3.901	43.523
44.429	6.967	6.641	5.860	5.020	4.381	4.018	3.905	45.239
46.701	7.174	6.825	5.992	5.095	4.418	4.035	3.916	47.524
48.401	7.334	6.969	6.095	5.157	4.450	4.052	3.929	49.234
51.098	7.499	7.117	6.205	5.223	4.485	4.072	3.945	50.940
52.354	7.721	7.319	6.356	5.317	4.538	4.104	3.971	53.208
54.041	7.889	7.472	6.472	5.390	4.581	4.131	3.993	54.904
55.723	8.056	7.625	6.590	5.467	4.626	4.161	4.018	56.595
57.956	8.276	7.828	6.749	5.572	4.690	4.203	4.055	58.844
59.631	8.438	7.979	6.869	5.652	4.740	4.238	4.085	60.525
61.290	8.597	8.127	6.988	5.734	4.791	4.273	4.116	62.203
63.519	8.801	8.320	7.146	5.843	4.862	4.323	4.160	64.435
65.192	8.949	8.461	7.263	5.926	4.916	4.362	4.195	66.117

MACH NO = 20.00 CONE ANGLE = 6.0° ANGLE OF ATTACK = 1.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
65.845	9.091	9.507	7.379	6.009	4.971	4.432	4.231	67.779
69.508	9.227	8.728	7.492	6.092	5.027	4.443	4.268	69.451
73.731	9.799	8.896	7.639	6.202	5.102	4.499	4.318	71.587
77.405	9.523	9.016	7.747	6.284	5.159	4.542	4.357	73.370
74.088	9.634	9.131	7.852	6.365	5.216	4.586	4.397	75.162
76.352	9.774	9.273	7.987	6.472	5.292	4.645	4.452	77.338
79.068	9.852	9.373	8.085	6.552	5.350	4.689	4.493	79.164
79.805	9.955	9.460	8.180	6.630	5.408	4.735	4.536	80.914
82.169	10.056	9.573	8.301	6.734	5.495	4.796	4.593	83.178
87.951	10.119	9.655	8.388	6.810	5.543	4.843	4.637	84.989
85.797	10.171	9.721	8.471	6.885	5.601	4.899	4.682	86.835
88.307	10.222	9.795	8.574	6.984	5.678	4.954	4.742	89.359
91.248	10.246	9.839	8.646	7.056	5.736	5.012	4.788	91.315
92.228	10.257	9.871	8.713	7.128	5.794	5.059	4.835	93.302
94.965	10.255	9.896	8.792	7.220	5.871	5.116	4.899	96.053
97.038	10.240	9.902	8.843	7.287	5.929	5.165	4.947	98.188
99.275	10.218	9.896	8.886	7.351	5.986	5.214	4.995	100.387
102.371	10.178	9.874	8.930	7.433	6.061	5.280	5.060	103.430
104.662	10.143	9.849	8.951	7.491	6.117	5.329	5.109	105.904
107.109	10.107	9.820	8.963	7.545	6.172	5.378	5.158	108.264
110.538	10.059	9.775	8.963	7.610	6.244	5.443	5.223	111.382
113.159	10.023	9.741	8.953	7.657	6.296	5.491	5.272	114.748
115.907	9.989	9.717	8.936	7.691	6.346	5.538	5.320	117.112
119.738	9.948	9.664	8.905	7.730	6.410	5.599	5.383	120.964
122.737	9.919	9.634	8.879	7.752	6.456	5.644	5.430	123.979
125.836	9.894	9.617	8.852	7.765	6.499	5.687	5.474	127.165
129.911	9.867	9.576	8.818	7.773	6.549	5.739	5.528	131.193
133.033	9.850	9.557	8.795	7.771	6.582	5.775	5.566	134.301
136.138	9.835	9.540	8.774	7.764	6.611	5.809	5.601	137.424
140.277	9.819	9.521	8.748	7.751	6.644	5.850	5.643	141.615
143.432	9.810	9.509	8.732	7.739	6.663	5.878	5.673	144.755
146.618	9.802	9.499	8.717	7.725	6.678	5.904	5.699	147.983
150.901	9.797	9.489	8.703	7.708	6.693	5.934	5.731	152.298
154.165	9.788	9.481	8.689	7.695	6.700	5.954	5.753	155.585
157.474	9.785	9.475	8.679	7.683	6.703	5.972	5.772	158.918
161.967	9.782	9.470	8.668	7.669	6.704	5.992	5.794	163.429
165.405	9.782	9.467	8.660	7.658	6.701	6.004	5.808	166.882
168.900	9.782	9.465	8.654	7.649	6.698	6.014	5.819	170.405
173.695	9.784	9.464	8.647	7.638	6.691	6.023	5.831	175.217
177.381	9.786	9.465	8.643	7.630	6.685	6.027	5.837	178.922
181.154	9.788	9.466	8.639	7.624	6.679	6.029	5.841	182.718
186.341	9.792	9.468	8.636	7.615	6.672	6.028	5.843	187.933
191.357	9.795	9.471	8.634	7.610	6.666	6.026	5.841	191.972
194.492	9.798	9.473	8.633	7.605	6.661	6.023	5.838	196.129
201.206	9.803	9.477	8.633	7.600	6.655	6.017	5.831	201.974

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	47.360	46.911	45.704	44.096	42.528	41.411	41.008	1.466
1.065	45.266	44.841	43.696	42.170	40.687	39.631	39.250	1.637
1.315	42.172	41.783	40.739	39.351	38.009	37.057	36.713	1.888
1.731	37.425	37.089	36.196	35.009	33.868	33.062	32.769	2.306
2.271	32.275	31.997	31.256	30.278	29.347	28.696	28.461	2.849
2.944	27.409	27.180	26.557	25.753	24.999	24.478	24.292	3.526
3.752	23.182	22.991	22.461	21.789	21.168	20.745	20.598	4.339
4.703	19.693	19.522	19.050	18.467	17.930	17.575	17.454	5.294
5.797	16.947	16.788	16.348	15.808	15.325	15.008	14.901	6.394
6.710	15.512	15.157	14.730	14.210	13.749	13.448	13.348	7.312
8.045	13.551	13.438	13.018	12.511	12.065	11.775	11.680	8.655
9.507	12.280	12.126	11.706	11.203	10.762	10.478	10.384	10.125
11.084	11.279	11.122	10.696	10.190	9.749	9.465	9.371	11.710
12.764	10.514	10.351	9.914	9.399	8.953	8.669	8.573	13.400
14.535	9.929	9.760	9.307	8.778	8.323	8.033	7.938	15.181
16.388	9.487	9.309	8.836	8.288	7.820	7.524	7.428	17.044
18.310	9.159	8.969	8.473	7.900	7.417	7.114	7.014	18.976
19.791	8.973	8.775	8.258	7.665	7.167	6.857	6.756	20.466
21.811	8.794	8.582	8.035	7.411	6.892	6.572	6.467	22.497
23.874	8.680	8.452	7.871	7.214	6.672	6.339	6.231	24.571
25.970	8.622	8.378	7.759	7.063	6.496	6.150	6.039	26.678
28.090	8.615	8.351	7.689	6.952	6.357	5.997	5.881	28.811
30.228	8.653	8.367	7.658	6.875	6.248	5.873	5.753	30.960
32.374	8.733	8.423	7.661	6.827	6.166	5.775	5.650	33.118
34.523	8.853	8.516	7.696	6.804	6.107	5.698	5.568	35.278
36.132	8.967	8.609	7.740	6.803	6.076	5.653	5.518	36.896
38.270	9.148	8.758	7.823	6.820	6.051	5.607	5.467	39.046
40.396	9.359	8.937	7.929	6.856	6.041	5.575	5.429	41.184
42.506	9.597	9.141	8.056	6.909	6.046	5.557	5.404	43.305
44.597	9.859	9.367	8.203	6.977	6.063	5.549	5.390	45.408
46.667	10.141	9.612	8.366	7.059	6.091	5.552	5.386	47.489
48.714	10.439	9.874	8.544	7.152	6.130	5.564	5.390	49.548
50.738	10.751	10.148	8.734	7.256	6.177	5.584	5.402	51.584
52.241	10.991	10.361	8.884	7.340	6.217	5.603	5.416	53.094
54.223	11.317	10.652	9.091	7.459	6.277	5.634	5.439	55.088
56.183	11.647	10.948	9.305	7.585	6.342	5.671	5.468	57.058
58.119	11.978	11.247	9.525	7.716	6.413	5.713	5.501	59.005
60.034	12.308	11.547	9.748	7.853	6.489	5.759	5.539	60.930
61.929	12.632	11.845	9.974	7.993	6.568	5.808	5.581	62.836
63.805	12.950	12.139	10.201	8.137	6.651	5.862	5.626	64.722
65.666	13.259	12.427	10.428	8.283	6.737	5.918	5.674	66.593
67.052	13.484	12.639	10.598	8.394	6.803	5.962	5.712	67.987
68.892	13.773	12.914	10.822	8.544	6.893	6.023	5.765	69.837
70.724	14.047	13.180	11.044	8.694	6.986	6.086	5.820	71.679
72.552	14.306	13.434	11.263	8.846	7.081	6.151	5.878	73.518

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
74.382	14.547	13.676	11.478	8.998	7.177	6.219	5.938	75.357
76.217	14.769	13.905	11.688	9.151	7.275	6.289	6.000	77.203
78.063	14.969	14.118	11.893	9.304	7.375	6.360	6.064	79.059
79.926	15.146	14.313	12.093	9.457	7.476	6.434	6.131	80.932
81.337	15.262	14.448	12.238	9.572	7.553	6.490	6.182	82.351
83.243	15.393	14.609	12.425	9.725	7.658	6.568	6.252	84.267
85.181	15.495	14.748	12.603	9.877	7.764	6.647	6.325	86.216
87.159	15.567	14.862	12.772	10.029	7.871	6.729	6.400	88.204
89.182	15.610	14.950	12.929	10.179	7.981	6.813	6.478	90.239
91.259	15.623	15.011	13.073	10.328	8.092	6.899	6.558	92.328
93.396	15.610	15.043	13.201	10.476	8.204	6.987	6.641	94.476
95.593	15.572	15.048	13.311	10.619	8.317	7.077	6.726	96.685
97.285	15.531	15.036	13.381	10.725	8.403	7.146	6.792	98.386
99.606	15.462	14.999	13.455	10.860	8.518	7.240	6.881	100.721
102.011	15.381	14.944	13.506	10.990	8.633	7.335	6.973	103.139
104.502	15.293	14.874	13.533	11.112	8.748	7.432	7.068	105.643
107.072	15.202	14.795	13.537	11.224	8.862	7.530	7.163	108.227
109.729	15.112	14.711	13.520	11.325	8.974	7.628	7.260	110.899
112.485	15.025	14.625	13.483	11.412	9.084	7.726	7.359	113.671
115.353	14.943	14.540	13.432	11.485	9.191	7.824	7.458	116.554
117.573	14.886	14.479	13.387	11.528	9.269	7.897	7.532	118.786
120.612	14.817	14.403	13.320	11.570	9.368	7.993	7.631	121.842
123.751	14.756	14.334	13.251	11.593	9.460	8.086	7.728	124.998
127.003	14.705	14.273	13.181	11.600	9.546	8.177	7.823	128.268
130.338	14.662	14.220	13.114	11.590	9.622	8.263	7.914	131.621
133.667	14.629	14.179	13.054	11.570	9.688	8.342	7.999	134.968
136.989	14.604	14.145	13.001	11.541	9.742	8.414	8.077	138.310
140.311	14.586	14.118	12.954	11.507	9.785	8.480	8.148	141.649
142.804	14.575	14.103	12.924	11.480	9.811	8.525	8.198	144.157
146.136	14.566	14.086	12.889	11.443	9.836	8.579	8.258	147.507
149.481	14.561	14.075	12.859	11.407	9.851	8.627	8.312	150.870
152.844	14.559	14.067	12.834	11.372	9.859	8.668	8.360	154.252
156.233	14.560	14.063	12.814	11.339	9.859	8.703	8.402	157.659
159.651	14.563	14.061	12.798	11.308	9.854	8.732	8.437	161.096
163.106	14.568	14.063	12.785	11.280	9.845	8.754	8.467	164.570
166.603	14.574	14.066	12.775	11.255	9.832	8.771	8.490	168.086
169.257	14.579	14.069	12.770	11.237	9.821	8.779	8.504	170.755
172.844	14.587	14.074	12.764	11.216	9.805	8.786	8.517	174.361
176.490	14.595	14.080	12.761	11.198	9.789	8.788	8.524	178.027
180.202	14.603	14.087	12.760	11.182	9.772	8.786	8.526	181.760
183.988	14.612	14.095	12.761	11.169	9.755	8.779	8.523	185.568
187.856	14.620	14.103	12.763	11.157	9.739	8.770	8.516	189.456
191.812	14.628	14.110	12.766	11.148	9.724	8.759	8.505	193.434
195.865	14.635	14.118	12.771	11.140	9.709	8.746	8.490	197.509
200.024	14.642	14.125	12.776	11.134	9.696	8.732	8.473	201.692

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.895	67.960	67.324	65.579	63.259	61.010	59.410	58.833	1.466
1.141	63.591	62.990	61.401	59.285	57.236	55.779	55.252	1.713
1.408	58.835	58.296	56.850	54.927	53.071	51.753	51.275	1.982
1.851	51.794	51.333	50.107	48.480	46.919	45.816	45.415	2.427
2.588	42.581	42.222	41.254	39.991	38.795	37.964	37.666	3.168
3.325	36.028	35.730	34.912	33.863	32.885	32.213	31.976	3.909
4.202	30.451	30.195	29.487	28.597	27.783	27.236	27.047	4.790
5.497	25.010	24.781	24.146	23.366	22.666	22.205	22.049	6.093
6.692	21.747	21.527	20.922	20.186	19.532	19.107	18.965	7.294
8.021	19.254	19.037	18.444	17.729	17.098	16.690	16.555	8.630
9.474	17.350	17.133	16.541	15.833	15.212	14.811	14.679	10.092
11.448	15.582	15.360	14.759	14.046	13.426	13.028	12.896	12.076
13.138	14.532	14.302	13.686	12.960	12.333	11.933	11.801	13.776
14.915	13.725	13.485	12.848	12.102	11.464	11.058	10.925	15.562
17.239	12.980	12.725	12.052	11.274	10.613	10.198	10.062	17.900
19.169	12.550	12.279	11.573	10.761	10.079	9.653	9.513	19.840
21.149	12.235	11.947	11.203	10.353	9.645	9.207	9.064	21.831
23.170	12.016	11.709	10.922	10.030	9.293	8.840	8.693	23.864
25.739	11.854	11.519	10.672	9.721	8.945	8.472	8.319	26.447
27.818	11.803	11.443	10.541	9.537	8.726	8.236	8.078	28.537
29.907	11.814	11.426	10.462	9.399	8.550	8.041	7.878	30.638
32.523	11.910	11.481	10.430	9.284	8.381	7.847	7.676	33.268
34.610	12.047	11.582	10.452	9.231	8.281	7.724	7.548	35.366
36.685	12.233	11.728	10.512	9.209	8.208	7.627	7.444	37.453
39.256	12.529	11.969	10.635	9.221	8.149	7.536	7.343	40.038
41.288	12.811	12.204	10.768	9.259	8.126	7.484	7.284	42.081
43.295	13.129	12.473	10.929	9.317	8.121	7.448	7.240	44.100
45.275	13.478	12.771	11.115	9.396	8.131	7.427	7.210	46.090
47.709	13.954	13.180	11.377	9.517	8.164	7.419	7.190	48.538
49.623	14.360	13.532	11.608	9.631	8.204	7.424	7.186	50.462
51.506	14.785	13.902	11.856	9.758	8.255	7.439	7.191	52.355
53.817	15.336	14.385	12.184	9.933	8.331	7.470	7.210	54.679
55.632	15.789	14.785	12.460	10.084	8.401	7.503	7.232	56.504
57.419	16.248	15.192	12.745	10.243	8.479	7.543	7.262	58.301
59.177	16.709	15.605	13.038	10.409	8.562	7.588	7.296	60.069
61.339	17.285	16.123	13.413	10.626	8.674	7.651	7.347	62.242
63.041	17.742	16.538	13.717	10.805	8.770	7.707	7.392	63.954
64.721	18.190	16.949	14.024	10.989	8.869	7.767	7.441	65.643
66.794	18.737	17.456	14.410	11.224	8.999	7.847	7.508	67.728
68.434	19.159	17.852	14.719	11.416	9.106	7.915	7.565	69.376
70.060	19.565	18.238	15.028	11.611	9.217	7.986	7.626	71.011
71.675	19.952	18.613	15.335	11.808	9.330	8.059	7.689	72.636
73.685	20.405	19.062	15.714	12.057	9.476	8.155	7.772	74.656
75.289	20.741	19.402	16.014	12.259	9.596	8.235	7.841	76.270
76.895	21.049	19.725	16.310	12.463	9.718	8.318	7.914	77.884

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
78.909	21.391	20.098	16.672	12.720	9.875	8.425	8.008	79.910
80.532	21.628	20.370	16.954	12.927	10.004	8.514	8.086	81.541
82.169	21.829	20.616	17.228	13.136	10.135	8.605	8.168	83.187
84.242	22.028	20.882	17.558	13.398	10.303	8.724	8.274	85.272
85.928	22.143	21.059	17.810	13.609	10.441	8.822	8.362	86.967
87.642	22.218	21.202	18.048	13.820	10.582	8.924	8.454	88.691
89.391	22.255	21.310	18.271	14.032	10.726	9.029	8.550	90.449
91.633	22.249	21.393	18.525	14.295	10.911	9.165	8.674	92.703
93.472	22.207	21.418	18.704	14.504	11.061	9.278	8.778	94.552
95.354	22.135	21.410	18.858	14.710	11.214	9.394	8.886	96.445
97.777	22.012	21.354	19.013	14.962	11.409	9.543	9.025	98.882
99.780	21.893	21.279	19.105	15.157	11.567	9.667	9.142	100.895
101.842	21.760	21.181	19.165	15.345	11.727	9.794	9.262	102.969
103.954	21.620	21.067	19.194	15.522	11.887	9.923	9.385	105.093
106.671	21.441	20.908	19.189	15.726	12.086	10.087	9.543	107.824
108.915	21.299	20.773	19.154	15.872	12.245	10.221	9.673	110.080
111.229	21.162	20.636	19.095	16.002	12.402	10.356	9.806	112.407
114.234	21.000	20.467	18.992	16.136	12.596	10.527	9.976	115.429
116.712	20.882	20.338	18.895	16.219	12.746	10.664	10.114	117.920
119.247	20.776	20.218	18.788	16.279	12.890	10.799	10.251	120.469
121.847	20.683	20.109	18.677	16.315	13.027	10.933	10.388	123.084
125.202	20.585	19.988	18.536	16.329	13.187	11.097	10.559	126.458
127.981	20.521	19.905	18.425	16.317	13.304	11.226	10.695	129.251
130.824	20.470	19.836	18.320	16.286	13.410	11.349	10.827	132.111
134.443	20.423	19.767	18.201	16.229	13.522	11.495	10.985	135.749
137.355	20.398	19.726	18.118	16.173	13.595	11.602	11.103	138.677
140.260	20.381	19.695	18.046	16.111	13.653	11.701	11.212	141.599
143.883	20.371	19.670	17.971	16.032	13.704	11.810	11.337	145.241
146.778	20.369	19.658	17.922	15.968	13.730	11.888	11.427	148.152
149.674	20.372	19.652	17.882	15.905	13.745	11.956	11.508	151.065
152.576	20.378	19.651	17.850	15.846	13.749	12.015	11.580	153.982
156.216	20.389	19.654	17.819	15.776	13.742	12.076	11.658	157.642
159.142	20.400	19.660	17.802	15.725	13.729	12.116	11.710	160.585
162.086	20.412	19.669	17.789	15.679	13.710	12.146	11.754	163.545
165.796	20.429	19.681	17.780	15.627	13.681	12.173	11.797	167.275
168.792	20.442	19.693	17.776	15.590	13.655	12.186	11.822	170.288
171.818	20.456	19.705	17.776	15.558	13.627	12.193	11.839	173.330
174.876	20.470	19.717	17.778	15.529	13.598	12.193	11.849	176.405
178.752	20.488	19.734	17.783	15.500	13.561	12.185	11.850	180.302
181.899	20.501	19.747	17.789	15.480	13.531	12.173	11.844	183.466
185.091	20.515	19.760	17.797	15.464	13.503	12.158	11.833	186.677
189.153	20.531	19.775	17.808	15.448	13.469	12.134	11.811	190.760
192.463	20.543	19.788	17.817	15.438	13.443	12.113	11.788	194.089
195.834	20.554	19.800	17.827	15.431	13.419	12.089	11.762	197.478
200.138	20.568	19.814	17.840	15.425	13.391	12.059	11.725	201.806

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	1.545	1.532	1.500	1.456	1.413	1.383	1.372	1.449
.930	1.489	1.477	1.445	1.402	1.360	1.330	1.319	1.501
.985	1.529	1.517	1.484	1.440	1.397	1.366	1.354	1.556
1.107	1.557	1.545	1.512	1.468	1.425	1.394	1.382	1.679
1.244	1.556	1.544	1.512	1.469	1.426	1.396	1.385	1.817
1.400	1.547	1.535	1.503	1.461	1.419	1.390	1.379	1.974
1.574	1.534	1.523	1.491	1.450	1.409	1.380	1.370	2.150
1.669	1.526	1.515	1.484	1.443	1.403	1.375	1.364	2.246
1.875	1.508	1.497	1.467	1.427	1.388	1.361	1.351	2.453
2.104	1.486	1.475	1.446	1.408	1.371	1.344	1.335	2.684
2.358	1.459	1.449	1.421	1.385	1.349	1.324	1.315	2.939
2.636	1.434	1.425	1.398	1.363	1.329	1.306	1.298	3.220
2.941	1.412	1.402	1.376	1.342	1.310	1.288	1.280	3.527
3.274	1.391	1.382	1.356	1.322	1.291	1.269	1.262	3.863
3.452	1.382	1.373	1.346	1.313	1.282	1.261	1.253	4.041
3.828	1.366	1.357	1.331	1.297	1.266	1.245	1.238	4.421
4.235	1.353	1.344	1.318	1.285	1.254	1.233	1.226	4.830
4.673	1.343	1.334	1.308	1.276	1.245	1.225	1.218	5.272
5.143	1.336	1.327	1.301	1.269	1.239	1.219	1.212	5.746
5.647	1.331	1.322	1.296	1.264	1.234	1.215	1.208	6.253
6.185	1.329	1.319	1.293	1.261	1.232	1.212	1.206	6.795
6.467	1.328	1.319	1.293	1.261	1.231	1.212	1.205	7.079
7.058	1.329	1.320	1.293	1.261	1.231	1.212	1.206	7.675
7.686	1.331	1.322	1.295	1.263	1.233	1.214	1.207	8.307
8.352	1.335	1.325	1.299	1.266	1.236	1.217	1.211	8.978
9.057	1.340	1.330	1.303	1.270	1.240	1.221	1.215	9.688
9.802	1.345	1.335	1.308	1.275	1.245	1.226	1.220	10.439
10.588	1.351	1.341	1.313	1.280	1.250	1.231	1.225	11.232
10.997	1.354	1.344	1.316	1.283	1.253	1.234	1.227	11.644
11.848	1.360	1.350	1.322	1.288	1.259	1.239	1.233	12.501
12.744	1.366	1.356	1.328	1.294	1.264	1.245	1.239	13.403
13.685	1.372	1.362	1.333	1.300	1.270	1.250	1.244	14.352
14.674	1.377	1.367	1.339	1.305	1.275	1.256	1.250	15.348
15.711	1.383	1.373	1.344	1.310	1.280	1.261	1.255	16.393
16.799	1.388	1.378	1.349	1.315	1.285	1.265	1.259	17.489
17.362	1.391	1.380	1.351	1.317	1.287	1.268	1.262	18.057
18.529	1.395	1.385	1.356	1.322	1.291	1.272	1.266	19.232
19.749	1.400	1.389	1.360	1.326	1.295	1.276	1.270	20.462
21.026	1.404	1.393	1.364	1.330	1.299	1.280	1.274	21.748
22.361	1.408	1.397	1.368	1.333	1.302	1.283	1.277	23.093
23.756	1.411	1.400	1.371	1.336	1.306	1.286	1.280	24.498
25.213	1.414	1.403	1.374	1.339	1.308	1.289	1.283	25.966
25.965	1.416	1.405	1.376	1.341	1.310	1.290	1.284	26.724
27.518	1.418	1.408	1.378	1.343	1.312	1.292	1.286	28.288
29.138	1.421	1.410	1.381	1.345	1.314	1.295	1.288	29.921

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.827	1.423	1.412	1.383	1.348	1.316	1.297	1.290	31.623
32.588	1.425	1.414	1.385	1.349	1.318	1.298	1.292	33.397
34.423	1.427	1.416	1.387	1.351	1.320	1.300	1.294	35.246
35.369	1.428	1.417	1.388	1.352	1.321	1.301	1.294	36.199
37.320	1.430	1.419	1.389	1.354	1.322	1.302	1.296	38.164
39.351	1.431	1.420	1.391	1.355	1.324	1.303	1.297	40.210
41.464	1.433	1.422	1.392	1.356	1.325	1.305	1.298	42.340
43.664	1.434	1.423	1.393	1.357	1.326	1.306	1.299	44.556
45.953	1.435	1.424	1.394	1.359	1.327	1.307	1.300	46.862
48.333	1.436	1.425	1.395	1.360	1.328	1.308	1.301	49.260
49.559	1.437	1.426	1.396	1.360	1.328	1.308	1.301	50.495
52.083	1.438	1.427	1.397	1.361	1.329	1.309	1.302	53.038
54.707	1.439	1.428	1.398	1.362	1.330	1.309	1.303	55.682
57.435	1.440	1.429	1.399	1.362	1.331	1.310	1.303	58.430
60.269	1.440	1.429	1.399	1.363	1.331	1.311	1.304	61.286
63.215	1.441	1.430	1.400	1.364	1.332	1.311	1.305	64.253
66.275	1.442	1.431	1.401	1.364	1.332	1.312	1.305	67.336
67.849	1.442	1.431	1.401	1.365	1.333	1.312	1.305	68.922
71.089	1.443	1.432	1.402	1.365	1.333	1.312	1.306	72.186
74.454	1.443	1.432	1.402	1.366	1.334	1.313	1.306	75.577
77.948	1.444	1.433	1.403	1.366	1.334	1.313	1.307	79.097
81.577	1.444	1.433	1.403	1.367	1.334	1.314	1.307	82.754
85.345	1.444	1.433	1.403	1.367	1.335	1.314	1.307	86.550
89.258	1.445	1.434	1.404	1.367	1.335	1.314	1.307	90.492
91.270	1.445	1.434	1.404	1.368	1.335	1.314	1.308	92.519
95.409	1.445	1.434	1.404	1.368	1.336	1.315	1.308	96.690
99.707	1.446	1.435	1.405	1.368	1.336	1.315	1.308	101.019
104.168	1.446	1.435	1.405	1.368	1.336	1.315	1.308	105.515
108.801	1.446	1.435	1.405	1.369	1.336	1.315	1.309	110.182
113.610	1.446	1.435	1.405	1.369	1.337	1.316	1.309	115.027
118.603	1.447	1.436	1.406	1.369	1.337	1.316	1.309	120.058
121.171	1.447	1.436	1.406	1.369	1.337	1.316	1.309	122.645
126.454	1.447	1.436	1.406	1.369	1.337	1.316	1.309	127.967
131.939	1.447	1.436	1.406	1.370	1.337	1.316	1.309	133.494
137.635	1.447	1.436	1.406	1.370	1.337	1.316	1.309	139.233
143.551	1.447	1.436	1.406	1.370	1.338	1.317	1.310	145.193
149.694	1.447	1.436	1.407	1.370	1.338	1.317	1.310	151.382
156.075	1.448	1.437	1.407	1.370	1.338	1.317	1.310	157.811
159.358	1.448	1.437	1.407	1.370	1.338	1.317	1.310	161.118
166.113	1.448	1.437	1.407	1.370	1.338	1.317	1.310	167.924
173.130	1.448	1.437	1.407	1.370	1.338	1.317	1.310	174.994
180.420	1.448	1.437	1.407	1.371	1.338	1.317	1.310	182.339
187.995	1.448	1.437	1.407	1.371	1.338	1.317	1.310	189.970
195.865	1.448	1.437	1.407	1.371	1.338	1.317	1.310	197.900
204.043	1.448	1.437	1.407	1.371	1.338	1.317	1.310	206.139

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	2.579	2.557	2.497	2.418	2.341	2.286	2.266	1.449
.931	2.474	2.452	2.393	2.315	2.239	2.185	2.166	1.502
.991	2.526	2.504	2.445	2.366	2.289	2.234	2.214	1.562
1.125	2.517	2.496	2.439	2.362	2.288	2.235	2.216	1.697
1.280	2.463	2.442	2.387	2.313	2.242	2.191	2.172	1.854
1.460	2.398	2.378	2.325	2.253	2.184	2.135	2.118	2.035
1.668	2.324	2.304	2.254	2.186	2.120	2.073	2.056	2.245
1.906	2.241	2.223	2.175	2.110	2.048	2.004	1.988	2.484
2.176	2.152	2.135	2.089	2.028	1.970	1.929	1.915	2.757
2.324	2.106	2.090	2.045	1.986	1.930	1.891	1.877	2.906
2.647	2.019	2.003	1.960	1.904	1.851	1.815	1.802	3.231
3.008	1.937	1.922	1.881	1.827	1.776	1.741	1.729	3.594
3.407	1.863	1.848	1.808	1.756	1.707	1.674	1.662	3.996
3.846	1.797	1.783	1.743	1.693	1.645	1.613	1.602	4.439
4.326	1.741	1.727	1.687	1.637	1.591	1.560	1.549	4.923
4.848	1.694	1.680	1.641	1.591	1.545	1.514	1.504	5.449
5.412	1.657	1.643	1.603	1.553	1.507	1.477	1.466	6.017
6.019	1.629	1.614	1.574	1.523	1.477	1.446	1.436	6.628
6.339	1.617	1.603	1.562	1.511	1.465	1.434	1.423	6.950
7.011	1.600	1.585	1.543	1.492	1.445	1.413	1.403	7.627
7.726	1.589	1.574	1.531	1.478	1.430	1.399	1.388	8.348
8.486	1.584	1.568	1.524	1.470	1.421	1.389	1.378	9.114
9.290	1.583	1.567	1.522	1.466	1.416	1.383	1.373	9.924
10.138	1.586	1.569	1.523	1.466	1.415	1.382	1.370	10.779
11.032	1.592	1.575	1.527	1.469	1.417	1.383	1.371	11.679
11.971	1.601	1.583	1.534	1.475	1.421	1.386	1.375	12.625
12.956	1.612	1.594	1.543	1.482	1.427	1.392	1.380	13.617
13.465	1.618	1.599	1.548	1.486	1.431	1.395	1.383	14.130
14.519	1.631	1.611	1.559	1.496	1.440	1.403	1.391	15.192
15.620	1.644	1.624	1.571	1.506	1.449	1.412	1.399	16.301
16.769	1.658	1.638	1.583	1.517	1.459	1.421	1.409	17.458
17.965	1.671	1.651	1.595	1.528	1.469	1.431	1.418	18.664
19.210	1.685	1.664	1.608	1.540	1.479	1.440	1.428	19.918
20.504	1.698	1.676	1.619	1.550	1.490	1.450	1.437	21.222
21.848	1.710	1.688	1.631	1.561	1.499	1.460	1.447	22.576
23.243	1.721	1.699	1.641	1.571	1.509	1.469	1.456	23.981
23.959	1.727	1.705	1.646	1.576	1.513	1.473	1.460	24.703
25.431	1.737	1.715	1.656	1.585	1.522	1.482	1.469	26.186
26.956	1.746	1.724	1.665	1.593	1.530	1.489	1.476	27.722
28.534	1.755	1.733	1.673	1.601	1.537	1.497	1.483	29.312
30.167	1.763	1.741	1.681	1.608	1.544	1.503	1.490	30.957
31.855	1.770	1.748	1.688	1.615	1.551	1.509	1.496	32.658
33.599	1.777	1.754	1.694	1.621	1.556	1.515	1.502	34.416
35.401	1.783	1.760	1.700	1.626	1.562	1.520	1.507	36.231
37.262	1.788	1.766	1.705	1.631	1.566	1.525	1.512	38.106

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
38.215	1.791	1.768	1.708	1.634	1.569	1.527	1.514	39.065
40.165	1.796	1.773	1.712	1.638	1.573	1.531	1.518	41.031
42.177	1.800	1.777	1.716	1.642	1.577	1.535	1.521	43.058
44.252	1.804	1.781	1.720	1.646	1.580	1.538	1.525	45.148
46.391	1.807	1.785	1.724	1.649	1.583	1.541	1.528	47.303
48.595	1.811	1.788	1.727	1.652	1.586	1.544	1.530	49.524
50.866	1.814	1.791	1.730	1.655	1.589	1.547	1.533	51.812
53.205	1.817	1.794	1.733	1.658	1.592	1.549	1.535	54.169
55.615	1.819	1.796	1.735	1.660	1.594	1.551	1.537	56.596
56.846	1.820	1.797	1.736	1.661	1.595	1.552	1.538	57.837
59.363	1.822	1.800	1.739	1.664	1.597	1.554	1.540	60.373
61.954	1.825	1.802	1.741	1.666	1.599	1.556	1.542	62.983
64.621	1.826	1.803	1.743	1.667	1.601	1.557	1.543	65.670
67.366	1.828	1.805	1.744	1.669	1.602	1.559	1.545	68.436
70.191	1.830	1.807	1.746	1.671	1.604	1.560	1.546	71.282
73.099	1.831	1.808	1.747	1.672	1.605	1.562	1.547	74.212
76.091	1.833	1.810	1.749	1.673	1.606	1.563	1.549	77.227
79.172	1.834	1.811	1.750	1.675	1.607	1.564	1.550	80.330
80.746	1.834	1.811	1.751	1.675	1.608	1.564	1.550	81.916
83.964	1.835	1.813	1.752	1.676	1.609	1.565	1.551	85.158
87.277	1.836	1.814	1.753	1.677	1.610	1.566	1.552	88.497
90.690	1.837	1.814	1.754	1.678	1.611	1.567	1.553	91.935
94.207	1.838	1.815	1.755	1.679	1.612	1.568	1.554	95.478
97.831	1.839	1.816	1.755	1.680	1.613	1.569	1.554	99.129
101.567	1.839	1.817	1.756	1.681	1.613	1.570	1.555	102.893
105.419	1.840	1.817	1.757	1.681	1.614	1.570	1.556	106.775
109.393	1.840	1.818	1.757	1.682	1.615	1.571	1.556	110.779
111.427	1.841	1.818	1.758	1.682	1.615	1.571	1.557	112.828
115.593	1.841	1.818	1.758	1.683	1.616	1.572	1.557	117.025
119.893	1.841	1.819	1.759	1.683	1.616	1.572	1.558	121.357
124.332	1.842	1.819	1.759	1.684	1.617	1.573	1.558	125.830
128.917	1.842	1.819	1.759	1.684	1.617	1.573	1.558	130.449
133.653	1.842	1.820	1.760	1.685	1.617	1.573	1.559	135.220
138.545	1.842	1.820	1.760	1.685	1.618	1.574	1.559	140.149
143.600	1.842	1.820	1.760	1.685	1.618	1.574	1.560	145.242
148.823	1.843	1.820	1.760	1.686	1.618	1.574	1.560	150.505
151.500	1.843	1.820	1.761	1.686	1.619	1.575	1.560	153.202
156.988	1.843	1.821	1.761	1.686	1.619	1.575	1.560	158.731
162.660	1.843	1.821	1.761	1.686	1.619	1.575	1.560	164.446
168.523	1.843	1.821	1.761	1.686	1.619	1.575	1.561	170.353
174.584	1.843	1.821	1.761	1.686	1.619	1.576	1.561	176.459
180.849	1.844	1.821	1.762	1.687	1.619	1.576	1.561	182.771
187.325	1.844	1.821	1.762	1.687	1.620	1.576	1.561	189.296
194.021	1.844	1.822	1.762	1.687	1.620	1.576	1.561	196.042
200.943	1.844	1.822	1.762	1.687	1.620	1.576	1.561	203.016

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	8.613	8.534	8.322	8.039	7.763	7.566	7.495	1.449
.983	8.346	8.268	8.059	7.780	7.510	7.317	7.247	1.554
1.048	8.283	8.207	8.004	7.733	7.470	7.282	7.214	1.620
1.295	7.791	7.721	7.534	7.284	7.043	6.871	6.809	1.869
1.486	7.421	7.355	7.179	6.944	6.718	6.558	6.499	2.061
1.701	7.025	6.963	6.799	6.581	6.370	6.222	6.168	2.277
2.079	6.403	6.347	6.200	6.006	5.819	5.688	5.640	2.659
2.370	5.981	5.931	5.795	5.617	5.447	5.328	5.286	2.952
2.863	5.399	5.354	5.230	5.070	4.919	4.815	4.777	3.449
3.231	5.045	5.002	4.886	4.736	4.595	4.498	4.464	3.819
3.630	4.719	4.679	4.568	4.427	4.295	4.205	4.173	4.221
4.290	4.294	4.256	4.150	4.017	3.894	3.811	3.783	4.886
4.772	4.052	4.014	3.911	3.781	3.662	3.582	3.555	5.371
5.555	3.747	3.710	3.608	3.480	3.365	3.287	3.261	6.161
6.118	3.579	3.542	3.439	3.312	3.197	3.121	3.095	6.728
6.713	3.436	3.398	3.295	3.167	3.052	2.976	2.950	7.327
7.663	3.261	3.223	3.117	2.987	2.871	2.794	2.768	8.285
8.334	3.168	3.128	3.021	2.889	2.771	2.693	2.667	8.960
9.394	3.057	3.016	2.904	2.769	2.648	2.568	2.541	10.028
10.135	3.000	2.958	2.843	2.704	2.580	2.499	2.472	10.775
10.903	2.955	2.911	2.793	2.650	2.524	2.441	2.413	11.549
12.102	2.906	2.860	2.736	2.587	2.455	2.369	2.341	12.757
12.933	2.885	2.837	2.709	2.555	2.419	2.331	2.302	13.594
14.222	2.868	2.817	2.682	2.520	2.378	2.286	2.256	14.893
15.110	2.866	2.813	2.672	2.504	2.358	2.263	2.232	15.788
16.021	2.870	2.814	2.668	2.494	2.343	2.245	2.213	16.705
17.427	2.887	2.827	2.672	2.488	2.329	2.227	2.193	18.121
18.391	2.904	2.842	2.681	2.490	2.325	2.219	2.184	19.093
19.876	2.939	2.872	2.701	2.499	2.325	2.215	2.178	20.589
20.892	2.966	2.897	2.720	2.510	2.330	2.215	2.178	21.613
21.929	2.997	2.926	2.741	2.523	2.337	2.219	2.180	22.658
23.525	3.049	2.973	2.779	2.549	2.353	2.229	2.188	24.266
24.615	3.087	3.008	2.807	2.569	2.366	2.238	2.196	25.364
25.727	3.126	3.045	2.837	2.591	2.381	2.249	2.206	26.485
27.437	3.188	3.103	2.885	2.627	2.408	2.270	2.224	28.207
28.605	3.230	3.143	2.918	2.653	2.427	2.285	2.238	29.384
30.401	3.295	3.204	2.971	2.694	2.458	2.310	2.262	31.193
31.627	3.338	3.244	3.006	2.722	2.480	2.329	2.279	32.429
32.878	3.381	3.285	3.041	2.751	2.503	2.348	2.297	33.689
34.801	3.443	3.345	3.095	2.794	2.538	2.378	2.325	35.626
36.114	3.484	3.384	3.129	2.824	2.562	2.398	2.345	36.949
38.132	3.542	3.441	3.181	2.867	2.598	2.430	2.375	38.982
39.510	3.579	3.477	3.213	2.895	2.622	2.451	2.395	40.370
40.914	3.615	3.511	3.245	2.923	2.646	2.472	2.415	41.785
43.071	3.665	3.560	3.291	2.963	2.681	2.503	2.446	43.958

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
44.542	3.696	3.591	3.320	2.989	2.703	2.524	2.465	45.441
46.801	3.740	3.634	3.361	3.026	2.736	2.554	2.494	47.717
48.342	3.768	3.661	3.386	3.049	2.757	2.573	2.513	49.269
49.912	3.793	3.687	3.411	3.072	2.777	2.592	2.532	50.851
52.321	3.829	3.722	3.445	3.103	2.805	2.618	2.558	53.278
53.966	3.852	3.744	3.466	3.123	2.824	2.635	2.575	54.935
56.495	3.882	3.775	3.496	3.151	2.849	2.659	2.598	57.483
58.225	3.901	3.794	3.515	3.169	2.865	2.675	2.613	59.226
59.993	3.919	3.812	3.532	3.185	2.881	2.689	2.628	61.008
62.725	3.944	3.837	3.557	3.209	2.903	2.710	2.648	63.760
64.605	3.958	3.852	3.573	3.224	2.916	2.723	2.661	65.654
67.525	3.978	3.873	3.595	3.245	2.936	2.741	2.679	68.596
69.546	3.990	3.885	3.608	3.258	2.949	2.753	2.691	70.632
71.631	3.999	3.896	3.621	3.271	2.961	2.764	2.702	72.733
74.893	4.011	3.910	3.638	3.289	2.978	2.780	2.718	76.019
77.159	4.017	3.918	3.648	3.300	2.988	2.790	2.728	78.302
79.472	4.020	3.923	3.658	3.311	2.998	2.800	2.737	80.633
83.030	4.023	3.929	3.670	3.325	3.013	2.813	2.750	84.218
85.465	4.023	3.930	3.676	3.334	3.022	2.822	2.758	86.671
89.216	4.021	3.930	3.683	3.346	3.034	2.833	2.770	90.450
91.786	4.019	3.929	3.685	3.353	3.042	2.841	2.777	93.039
94.414	4.017	3.928	3.687	3.359	3.049	2.848	2.783	95.687
98.469	4.015	3.926	3.688	3.367	3.059	2.857	2.793	99.773
101.252	4.014	3.925	3.687	3.371	3.065	2.863	2.799	102.576
105.549	4.013	3.923	3.686	3.375	3.073	2.872	2.807	106.906
108.500	4.012	3.923	3.685	3.377	3.078	2.877	2.812	109.879
111.522	4.012	3.922	3.684	3.378	3.082	2.882	2.817	112.924
116.195	4.011	3.922	3.684	3.379	3.087	2.888	2.823	117.631
119.406	4.011	3.921	3.684	3.379	3.090	2.892	2.827	120.866
124.372	4.010	3.921	3.684	3.379	3.094	2.897	2.832	125.870
127.787	4.010	3.921	3.684	3.378	3.095	2.900	2.836	129.311
131.287	4.009	3.920	3.684	3.378	3.097	2.903	2.838	132.837
136.704	4.009	3.920	3.683	3.378	3.098	2.906	2.842	138.295
140.430	4.008	3.919	3.683	3.379	3.098	2.908	2.844	142.048
146.196	4.008	3.919	3.683	3.379	3.098	2.910	2.846	147.858
150.163	4.007	3.919	3.683	3.379	3.098	2.911	2.847	151.854
154.230	4.007	3.918	3.683	3.380	3.098	2.911	2.848	155.953
160.527	4.007	3.918	3.683	3.380	3.099	2.911	2.849	162.296
164.858	4.007	3.918	3.682	3.380	3.099	2.912	2.849	166.660
171.563	4.007	3.918	3.682	3.380	3.099	2.911	2.849	173.415
176.175	4.007	3.918	3.682	3.380	3.100	2.911	2.848	178.062
180.904	4.007	3.918	3.682	3.380	3.100	2.912	2.848	182.827
188.225	4.007	3.918	3.681	3.380	3.101	2.912	2.848	190.203
193.261	4.007	3.918	3.681	3.380	3.101	2.912	2.848	195.277
201.057	4.008	3.918	3.681	3.380	3.102	2.912	2.848	203.131

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	18.664	18.491	18.025	17.401	16.795	16.364	16.208	1.449
1.044	17.884	17.719	17.274	16.681	16.105	15.695	15.546	1.616
1.200	17.141	16.985	16.565	16.006	15.466	15.082	14.943	1.773
1.473	15.881	15.738	15.356	14.847	14.356	14.008	13.882	2.048
1.802	14.499	14.371	14.029	13.576	13.141	12.833	12.721	2.379
2.196	13.065	12.952	12.651	12.253	11.873	11.606	11.510	2.777
2.654	11.704	11.604	11.334	10.984	10.652	10.421	10.339	3.238
3.178	10.474	10.385	10.142	9.828	9.534	9.331	9.259	3.766
3.771	9.385	9.303	9.080	8.796	8.532	8.352	8.289	4.363
4.669	8.181	8.106	7.897	7.636	7.397	7.237	7.181	5.268
5.423	7.458	7.384	7.181	6.929	6.700	6.548	6.496	6.027
6.243	6.868	6.795	6.594	6.346	6.123	5.974	5.924	6.854
7.128	6.392	6.318	6.117	5.869	5.648	5.501	5.452	7.745
8.072	6.011	5.935	5.731	5.482	5.259	5.112	5.063	8.697
9.073	5.707	5.629	5.420	5.167	4.941	4.793	4.743	9.705
10.125	5.466	5.386	5.171	4.911	4.681	4.531	4.480	10.765
11.224	5.278	5.194	4.972	4.704	4.469	4.315	4.264	11.872
12.366	5.133	5.046	4.815	4.537	4.295	4.137	4.085	13.023
13.948	4.998	4.905	4.659	4.366	4.112	3.949	3.894	14.617
15.175	4.932	4.834	4.575	4.270	4.006	3.837	3.780	15.853
16.433	4.892	4.788	4.516	4.196	3.921	3.746	3.687	17.120
17.718	4.875	4.765	4.478	4.142	3.855	3.672	3.612	18.415
19.028	4.878	4.761	4.458	4.104	3.804	3.614	3.551	19.735
20.360	4.899	4.774	4.454	4.082	3.767	3.569	3.504	21.077
21.712	4.935	4.802	4.464	4.072	3.742	3.536	3.468	22.439
23.081	4.985	4.844	4.486	4.073	3.728	3.513	3.442	23.818
24.465	5.048	4.898	4.520	4.085	3.722	3.498	3.424	25.212
26.331	5.149	4.987	4.580	4.114	3.728	3.490	3.412	27.092
27.743	5.237	5.065	4.636	4.145	3.740	3.492	3.411	28.515
29.164	5.334	5.152	4.700	4.182	3.759	3.500	3.415	29.947
30.594	5.439	5.247	4.770	4.226	3.783	3.513	3.425	31.388
32.030	5.550	5.348	4.847	4.276	3.812	3.530	3.439	32.835
33.472	5.667	5.454	4.929	4.330	3.845	3.552	3.457	34.288
34.920	5.787	5.565	5.015	4.389	3.882	3.577	3.478	35.746
36.371	5.910	5.678	5.105	4.451	3.923	3.606	3.503	37.208
37.826	6.034	5.793	5.198	4.517	3.967	3.637	3.531	38.674
39.771	6.200	5.948	5.324	4.607	4.029	3.683	3.572	40.633
41.233	6.322	6.063	5.419	4.678	4.078	3.720	3.605	42.107
42.699	6.442	6.176	5.514	4.749	4.129	3.759	3.640	43.583
44.168	6.559	6.287	5.608	4.821	4.181	3.799	3.676	45.063
45.640	6.672	6.395	5.702	4.892	4.234	3.840	3.714	46.547
47.117	6.782	6.500	5.793	4.964	4.287	3.883	3.753	48.035
48.599	6.886	6.600	5.882	5.035	4.341	3.926	3.793	49.528
50.088	6.986	6.697	5.969	5.105	4.395	3.970	3.833	51.028
51.585	7.080	6.790	6.052	5.174	4.449	4.014	3.875	52.536

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
53.596	7.198	6.906	6.160	5.264	4.520	4.073	3.930	54.562
55.120	7.280	6.987	6.237	5.330	4.573	4.117	3.972	56.098
56.660	7.356	7.064	6.311	5.394	4.625	4.162	4.014	57.650
58.221	7.426	7.136	6.381	5.456	4.677	4.206	4.056	59.222
59.804	7.490	7.202	6.449	5.517	4.727	4.250	4.097	60.817
61.416	7.547	7.264	6.513	5.576	4.777	4.294	4.139	62.441
63.060	7.597	7.319	6.574	5.633	4.827	4.337	4.181	64.098
64.742	7.640	7.368	6.631	5.688	4.875	4.380	4.223	65.792
66.465	7.674	7.410	6.685	5.742	4.922	4.423	4.264	67.528
68.838	7.707	7.455	6.749	5.810	4.984	4.479	4.319	69.918
70.680	7.721	7.480	6.792	5.859	5.030	4.520	4.359	71.774
72.582	7.727	7.496	6.830	5.906	5.074	4.561	4.400	73.691
74.551	7.726	7.505	6.862	5.951	5.117	4.601	4.439	75.675
76.592	7.718	7.505	6.888	5.992	5.159	4.641	4.479	77.731
78.709	7.705	7.500	6.907	6.031	5.199	4.680	4.517	79.864
80.909	7.689	7.489	6.919	6.066	5.239	4.717	4.555	82.081
83.200	7.671	7.475	6.924	6.097	5.276	4.754	4.592	84.389
85.590	7.653	7.459	6.923	6.124	5.312	4.790	4.628	86.796
88.936	7.630	7.436	6.913	6.152	5.356	4.835	4.675	90.168
91.573	7.613	7.420	6.902	6.167	5.387	4.868	4.708	92.824
94.325	7.598	7.405	6.889	6.176	5.415	4.899	4.740	95.597
97.143	7.584	7.391	6.876	6.180	5.439	4.927	4.770	98.436
100.003	7.572	7.379	6.864	6.180	5.460	4.953	4.796	101.318
102.913	7.562	7.368	6.853	6.176	5.476	4.976	4.821	104.250
105.879	7.553	7.359	6.843	6.170	5.489	4.997	4.844	107.238
108.910	7.546	7.351	6.834	6.163	5.498	5.015	4.863	110.291
112.013	7.539	7.343	6.826	6.156	5.504	5.031	4.881	113.418
116.279	7.532	7.335	6.816	6.146	5.506	5.048	4.901	117.716
119.587	7.528	7.330	6.810	6.140	5.505	5.057	4.913	121.049
123.001	7.524	7.326	6.804	6.134	5.503	5.064	4.922	124.489
126.531	7.522	7.322	6.799	6.129	5.499	5.067	4.928	128.045
130.188	7.520	7.319	6.795	6.124	5.495	5.069	4.932	131.729
133.985	7.519	7.317	6.791	6.120	5.491	5.068	4.934	135.555
137.934	7.519	7.316	6.788	6.116	5.487	5.066	4.933	139.534
142.050	7.519	7.316	6.785	6.112	5.484	5.062	4.930	143.681
146.348	7.520	7.316	6.783	6.109	5.481	5.058	4.926	148.011
152.390	7.523	7.317	6.781	6.105	5.477	5.053	4.919	154.098
157.179	7.524	7.319	6.780	6.103	5.475	5.049	4.913	158.923
162.211	7.526	7.320	6.780	6.101	5.473	5.046	4.908	163.993
167.508	7.528	7.322	6.781	6.099	5.471	5.043	4.904	169.330
173.095	7.529	7.323	6.781	6.098	5.470	5.041	4.900	174.959
178.997	7.531	7.325	6.783	6.097	5.469	5.039	4.896	180.905
185.236	7.532	7.326	6.784	6.096	5.467	5.037	4.894	187.191
191.722	7.534	7.327	6.785	6.096	5.467	5.036	4.891	193.726
200.704	7.536	7.329	6.787	6.097	5.466	5.035	4.889	202.775

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	32.734	32.429	31.608	30.507	29.440	28.680	28.406	1.449
1.043	31.327	31.036	30.254	29.209	28.196	27.474	27.213	1.614
1.282	29.263	28.996	28.278	27.323	26.400	25.745	25.508	1.856
1.679	26.098	25.865	25.243	24.417	23.622	23.059	22.855	2.256
2.186	22.703	22.506	21.980	21.286	20.623	20.158	19.990	2.767
2.805	19.528	19.361	18.909	18.322	17.769	17.385	17.248	3.390
3.541	16.769	16.625	16.230	15.724	15.254	14.932	14.818	4.131
4.397	14.485	14.354	13.993	13.539	13.123	12.842	12.745	4.993
5.372	12.685	12.559	12.216	11.789	11.403	11.145	11.057	5.976
6.462	11.301	11.178	10.841	10.426	10.053	9.806	9.723	7.074
7.659	10.253	10.129	9.790	9.377	9.007	8.764	8.683	8.280
8.951	9.463	9.335	8.990	8.571	8.200	7.956	7.874	9.583
10.329	8.871	8.738	8.382	7.953	7.574	7.327	7.244	10.971
11.781	8.432	8.293	7.921	7.476	7.087	6.834	6.750	12.433
13.296	8.114	7.966	7.575	7.111	6.707	6.446	6.359	13.960
14.865	7.891	7.733	7.320	6.831	6.410	6.140	6.050	15.541
16.479	7.746	7.577	7.137	6.621	6.180	5.899	5.806	17.167
18.130	7.665	7.483	7.014	6.467	6.003	5.709	5.612	18.830
19.387	7.640	7.448	6.955	6.382	5.899	5.595	5.494	20.096
21.083	7.646	7.439	6.911	6.302	5.792	5.473	5.368	21.905
22.796	7.693	7.469	6.904	6.255	5.716	5.381	5.271	23.531
24.519	7.776	7.535	6.928	6.236	5.666	5.314	5.199	25.267
26.247	7.893	7.631	6.979	6.241	5.637	5.268	5.147	27.008
27.975	8.040	7.757	7.056	6.267	5.627	5.239	5.112	28.749
29.698	8.215	7.908	7.154	6.311	5.633	5.224	5.092	30.485
31.412	8.414	8.083	7.273	6.372	5.654	5.223	5.085	32.212
33.115	8.635	8.278	7.410	6.448	5.686	5.234	5.088	33.927
34.803	8.873	8.490	7.562	6.536	5.730	5.254	5.101	35.628
36.476	9.126	8.717	7.728	6.637	5.784	5.283	5.123	37.314
38.132	9.389	8.955	7.904	6.747	5.845	5.319	5.152	38.982
39.771	9.659	9.200	8.090	6.865	5.915	5.363	5.188	40.633
41.392	9.933	9.451	8.282	6.990	5.991	5.412	5.229	42.267
42.997	10.208	9.703	8.478	7.121	6.072	5.466	5.275	43.884
44.587	10.480	9.956	8.678	7.257	6.158	5.525	5.326	45.485
46.161	10.748	10.205	8.879	7.396	6.248	5.588	5.381	47.072
47.723	11.009	10.451	9.080	7.537	6.341	5.655	5.439	48.645
48.887	11.199	10.631	9.229	7.645	6.413	5.706	5.485	49.819
50.432	11.443	10.864	9.427	7.780	6.510	5.778	5.548	51.375
51.971	11.676	11.089	9.621	7.933	6.610	5.851	5.614	52.925
53.507	11.895	11.303	9.811	8.077	6.711	5.927	5.682	54.473
55.044	12.099	11.506	9.995	8.220	6.813	6.005	5.752	56.021
56.585	12.287	11.697	10.175	8.363	6.917	6.084	5.825	57.574
58.136	12.458	11.874	10.348	8.504	7.021	6.166	5.899	59.136
59.700	12.609	12.036	10.513	8.644	7.126	6.248	5.974	60.712
61.282	12.740	12.181	10.672	8.782	7.232	6.332	6.052	62.306

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
62.888	12.850	12.310	10.821	8.917	7.338	6.418	6.131	63.924
64.522	12.937	12.419	10.960	9.050	7.444	6.505	6.212	65.571
66.192	13.000	12.507	11.089	9.180	7.551	6.593	6.294	67.253
67.901	13.041	12.575	11.205	9.307	7.657	6.682	6.378	68.975
69.658	13.059	12.621	11.308	9.429	7.764	6.773	6.464	70.745
71.468	13.057	12.646	11.396	9.546	7.869	6.865	6.551	72.569
73.336	13.036	12.650	11.467	9.658	7.974	6.957	6.639	74.450
75.266	13.001	12.637	11.520	9.762	8.078	7.050	6.729	76.395
77.265	12.955	12.608	11.555	9.858	8.180	7.143	6.820	78.410
78.816	12.914	12.578	11.569	9.923	8.254	7.213	6.888	79.972
80.946	12.856	12.530	11.573	10.001	8.351	7.305	6.979	82.118
83.154	12.795	12.477	11.561	10.066	8.443	7.396	7.070	84.342
85.447	12.735	12.420	11.535	10.118	8.531	7.486	7.160	86.653
87.830	12.676	12.362	11.500	10.155	8.612	7.573	7.249	89.054
90.291	12.622	12.307	11.458	10.178	8.686	7.656	7.335	91.533
92.839	12.574	12.256	11.412	10.187	8.751	7.735	7.418	94.101
95.473	12.531	12.209	11.365	10.183	8.807	7.809	7.497	96.754
98.163	12.495	12.168	11.319	10.169	8.852	7.876	7.570	99.464
100.878	12.466	12.134	11.278	10.148	8.886	7.935	7.636	102.199
103.611	12.443	12.106	11.240	10.122	8.910	7.986	7.695	104.953
106.369	12.424	12.084	11.208	10.094	8.924	8.030	7.747	107.732
109.157	12.410	12.065	11.179	10.066	8.930	8.065	7.791	110.541
111.982	12.400	12.051	11.155	10.038	8.929	8.093	7.828	113.387
114.851	12.394	12.041	11.134	10.011	8.922	8.114	7.859	116.277
117.769	12.390	12.033	11.117	9.987	8.910	8.128	7.882	119.217
120.745	12.389	12.029	11.103	9.964	8.896	8.135	7.898	122.215
123.785	12.389	12.026	11.092	9.944	8.880	8.136	7.907	125.278
126.112	12.391	12.026	11.086	9.930	8.867	8.134	7.910	127.623
129.285	12.394	12.027	11 [illegible] 9	9.914	8.850	8.127	7.909	130.820
132.545	12.399	12.030	11.075	9.900	8.833	8.116	7.903	134.104
135.902	12.404	12.034	11.072	9.888	8.817	8.103	7.892	137.487
139.367	12.410	12.038	11.071	9.878	8.802	8.088	7.878	140.977
142.950	12.417	12.044	11.072	9.870	8.788	8.072	7.862	144.587
146.664	12.423	12.050	11.074	9.864	8.776	8.056	7.844	148.329
150.523	12.429	12.055	11.077	9.859	8.765	8.041	7.825	152.217
154.542	12.435	12.061	11.080	9.856	8.755	8.026	7.805	156.266
158.737	12.441	12.067	11.085	9.853	8.747	8.012	7.787	160.493
163.127	12.447	12.073	11.090	9.853	8.740	7.999	7.769	164.916
167.732	12.452	12.078	11.095	9.853	8.735	7.987	7.752	169.556
172.575	12.456	12.083	11.099	9.855	8.731	7.977	7.737	174.435
177.681	12.460	12.087	11.104	9.857	8.727	7.969	7.723	179.579
183.077	12.464	12.091	11.109	9.860	8.725	7.961	7.711	185.015
188.792	12.467	12.094	11.113	9.864	8.724	7.956	7.700	190.774
194.860	12.469	12.097	11.116	9.868	8.724	7.951	7.692	196.887
201.317	12.470	12.099	11.119	9.871	8.725	7.948	7.685	203.392

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	50.826	50.349	49.064	47.357	45.704	44.527	44.099	1.449
1.115	47.628	47.190	46.013	44.445	42.924	41.840	41.448	1.687
1.467	42.964	42.576	41.535	40.148	38.810	37.861	37.517	2.042
1.916	37.759	37.424	36.534	35.353	34.222	33.425	33.135	2.494
2.633	31.319	31.050	30.324	29.379	28.487	27.867	27.645	3.217
3.335	26.840	26.610	25.982	25.174	24.420	23.901	23.718	3.924
4.380	22.244	22.043	21.490	20.794	20.156	19.726	19.577	4.976
5.608	18.812	18.623	18.103	17.459	16.877	16.489	16.358	6.214
6.716	16.772	16.584	16.073	15.445	14.882	14.510	14.384	7.331
8.244	14.894	14.704	14.189	13.561	13.003	12.637	12.514	8.869
9.565	13.797	13.601	13.074	12.438	11.874	11.506	11.383	10.201
11.323	12.796	12.590	12.040	11.381	10.803	10.428	10.303	11.972
13.178	12.104	11.884	11.302	10.613	10.010	9.623	9.494	13.841
14.720	11.719	11.485	10.872	10.148	9.524	9.125	8.992	15.394
16.702	11.402	11.148	10.488	9.717	9.058	8.640	8.501	17.392
18.323	11.252	10.980	10.280	9.464	8.774	8.339	8.195	19.024
20.378	11.170	10.873	10.115	9.240	8.506	8.047	7.896	21.095
22.453	11.184	10.859	10.037	9.096	8.314	7.829	7.670	23.186
24.118	11.257	10.906	10.027	9.027	8.205	7.698	7.532	24.864
26.197	11.416	11.030	10.071	8.991	8.113	7.577	7.402	26.958
27.851	11.595	11.176	10.146	8.996	8.070	7.508	7.326	28.624
29.900	11.876	11.414	10.287	9.040	8.048	7.453	7.261	30.688
31.921	12.216	11.706	10.473	9.120	8.057	7.426	7.223	32.725
33.515	12.524	11.975	10.651	9.208	8.083	7.421	7.209	34.331
35.475	12.948	12.347	10.906	9.343	8.137	7.434	7.211	36.306
37.016	13.313	12.669	11.131	9.469	8.195	7.458	7.224	37.858
38.907	13.794	13.097	11.436	9.646	8.284	7.502	7.255	39.764
40.760	14.295	13.546	11.762	9.841	8.388	7.560	7.299	41.630
42.215	14.705	13.916	12.034	10.008	8.481	7.614	7.343	43.096
44.002	15.222	14.386	12.386	10.228	8.607	7.692	7.407	44.896
45.407	15.636	14.764	12.674	10.412	8.715	7.761	7.464	46.312
47.136	16.147	15.236	13.040	10.650	8.858	7.854	7.543	48.053
48.836	16.646	15.701	13.408	10.894	9.008	7.955	7.629	49.767
50.180	17.032	16.065	13.703	11.094	9.132	8.039	7.702	51.121
51.842	17.496	16.508	14.069	11.347	9.293	8.150	7.798	52.795
53.160	17.847	16.848	14.359	11.552	9.425	8.243	7.879	54.123
54.797	18.259	17.254	14.716	11.809	9.595	8.363	7.984	55.773
56.429	18.637	17.635	15.064	12.069	9.768	8.487	8.094	57.417
57.735	18.911	17.919	15.335	12.276	9.909	8.590	8.185	58.732
59.371	19.215	18.245	15.662	12.536	10.089	8.722	8.304	60.381
60.688	19.426	18.481	15.914	12.743	10.235	8.831	8.401	61.707
62.349	19.647	18.740	16.213	13.000	10.421	8.971	8.528	63.381
64.033	19.818	18.958	16.493	13.255	10.610	9.116	8.658	65.078
65.402	19.918	19.101	16.701	13.456	10.763	9.235	8.767	66.457
67.146	19.997	19.237	16.938	13.704	10.957	9.387	8.906	68.214

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
68.573	20.026	19.313	17.107	13.898	11.114	9.513	9.022	69.652
70.403	20.021	19.365	17.290	14.133	11.313	9.674	9.171	71.496
71.907	19.987	19.375	17.412	14.314	11.472	9.806	9.294	73.011
73.839	19.914	19.351	17.529	14.529	11.672	9.974	9.452	74.957
75.839	19.812	19.290	17.607	14.729	11.871	10.146	9.615	76.973
77.492	19.715	19.220	17.640	14.875	12.028	10.286	9.748	78.638
79.615	19.583	19.112	17.648	15.037	12.220	10.461	9.917	80.777
81.366	19.472	19.015	17.628	15.148	12.369	10.601	10.054	82.540
83.628	19.334	18.885	17.576	15.261	12.548	10.777	10.226	84.820
85.978	19.200	18.752	17.498	15.344	12.717	10.950	10.400	87.187
87.906	19.100	18.649	17.423	15.388	12.842	11.085	10.536	89.130
90.384	18.988	18.528	17.318	15.414	12.983	11.248	10.704	91.627
92.427	18.908	18.439	17.230	15.415	13.083	11.373	10.835	93.685
95.061	18.822	18.340	17.120	15.392	13.189	11.521	10.993	96.339
97.756	18.753	18.257	17.015	15.349	13.273	11.656	11.141	99.054
99.957	18.709	18.201	16.937	15.303	13.324	11.753	11.252	101.272
102.742	18.668	18.146	16.849	15.236	13.367	11.860	11.376	104.078
104.990	18.644	18.112	16.789	15.180	13.386	11.933	11.465	106.342
107.812	18.624	18.081	16.724	15.108	13.393	12.007	11.561	109.185
110.651	18.613	18.060	16.672	15.038	13.383	12.065	11.640	112.046
112.940	18.610	18.049	16.638	14.985	13.367	12.098	11.692	114.352
115.827	18.611	18.043	16.605	14.924	13.338	12.126	11.742	117.261
118.163	18.615	18.042	16.585	14.879	13.309	12.138	11.771	119.614
121.121	18.623	18.044	16.567	14.829	13.269	12.141	11.794	122.594
124.127	18.633	18.050	16.555	14.786	13.227	12.133	11.803	125.623
126.572	18.643	18.058	16.549	14.756	13.192	12.119	11.801	128.087
129.685	18.657	18.068	16.547	14.724	13.149	12.095	11.789	131.223
132.226	18.668	18.078	16.547	14.704	13.116	12.071	11.772	133.783
135.472	18.683	18.091	16.551	14.683	13.077	12.037	11.744	137.053
138.803	18.698	18.105	16.558	14.667	13.040	11.999	11.709	140.410
141.537	18.710	18.116	16.564	14.657	13.014	11.968	11.678	143.164
145.049	18.725	18.131	16.574	14.649	12.984	11.929	11.636	146.702
147.941	18.736	18.142	16.583	14.645	12.963	11.898	11.601	149.616
151.670	18.749	18.155	16.594	14.643	12.940	11.860	11.556	153.373
155.538	18.762	18.168	16.606	14.645	12.921	11.824	11.511	157.270
158.743	18.771	18.178	16.616	14.647	12.908	11.797	11.476	160.499
162.900	18.781	18.189	16.628	14.652	12.896	11.766	11.434	164.688
166.359	18.787	18.197	16.638	14.658	12.888	11.744	11.401	168.173
170.866	18.795	18.206	16.649	14.666	12.882	11.719	11.364	172.713
175.596	18.801	18.213	16.660	14.675	12.878	11.699	11.331	177.479
179.559	18.805	18.218	16.667	14.683	12.878	11.685	11.307	181.471
184.757	18.808	18.223	16.676	14.693	12.879	11.671	11.281	186.708
189.130	18.810	18.226	16.681	14.701	12.882	11.663	11.263	191.114
194.893	18.812	18.228	16.688	14.710	12.887	11.656	11.245	196.920
201.019	18.812	18.229	16.692	14.719	12.894	11.652	11.232	203.093

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	72.934	72.250	70.408	67.964	65.579	63.876	63.262	1.449
1.195	66.710	66.098	64.449	62.256	60.134	58.626	58.081	1.768
1.567	59.767	59.228	57.788	55.873	54.028	52.721	52.247	2.143
2.179	50.251	49.815	48.646	47.104	45.633	44.601	44.229	2.760
2.965	41.468	41.113	40.148	38.899	37.728	36.915	36.626	3.551
3.932	34.173	33.874	33.051	32.008	31.045	30.390	30.162	4.525
5.083	28.571	28.296	27.543	26.604	25.752	25.182	24.987	5.685
6.411	24.483	24.217	23.490	22.596	21.794	21.263	21.083	7.023
7.900	21.563	21.295	20.569	19.684	18.895	18.377	18.203	8.524
9.529	19.487	19.211	18.469	17.571	16.778	16.260	16.085	10.164
11.274	18.018	17.728	16.955	16.029	15.217	14.690	14.514	11.922
13.113	16.990	16.681	15.866	14.897	14.056	13.513	13.332	13.775
15.027	16.290	15.958	15.088	14.065	13.185	12.622	12.435	15.704
16.997	15.840	15.480	14.547	13.457	12.530	11.943	11.748	17.689
19.007	15.580	15.189	14.185	13.021	12.040	11.423	11.220	19.713
21.448	15.465	15.032	13.931	12.668	11.616	10.960	10.745	22.173
23.491	15.506	15.031	13.839	12.484	11.366	10.676	10.450	24.232
25.529	15.655	15.134	13.838	12.379	11.191	10.464	10.227	26.285
27.551	15.905	15.330	13.916	12.342	11.076	10.309	10.060	28.321
29.546	16.247	15.612	14.066	12.363	11.012	10.202	9.940	30.332
31.510	16.673	15.972	14.281	12.436	10.990	10.134	9.859	32.310
33.435	17.172	16.401	14.553	12.553	11.006	10.100	9.810	34.250
35.319	17.735	16.889	14.874	12.710	11.054	10.094	9.789	36.148
37.159	18.350	17.428	15.238	12.901	11.131	10.113	9.792	38.002
38.956	19.009	18.007	15.639	13.122	11.231	10.153	9.815	39.812
40.709	19.699	18.620	16.070	13.367	11.351	10.212	9.856	41.579
42.420	20.412	19.256	16.526	13.634	11.490	10.287	9.912	43.302
44.091	21.138	19.909	17.001	13.918	11.643	10.375	9.981	44.986
45.725	21.867	20.570	17.491	14.218	11.810	10.475	10.062	46.632
47.324	22.593	21.234	17.992	14.530	11.988	10.585	10.153	48.244
49.203	23.446	22.023	18.502	14.918	12.214	10.729	10.274	50.137
50.740	24.133	22.668	19.113	15.251	12.413	10.859	10.383	51.685
52.253	24.792	23.295	19.623	15.590	12.618	10.995	10.499	53.210
53.749	25.416	23.899	20.129	15.935	12.831	11.138	10.622	54.717
55.231	25.998	24.475	20.629	16.284	13.050	11.288	10.752	56.209
56.703	26.533	25.016	21.120	16.637	13.275	11.444	10.887	57.693
58.171	27.016	25.520	21.599	16.992	13.506	11.605	11.029	59.172
59.639	27.440	25.980	22.063	17.349	13.742	11.773	11.176	60.651
61.112	27.803	26.392	22.509	17.707	13.984	11.946	11.329	62.135
62.596	28.101	26.752	22.933	18.064	14.232	12.126	11.489	63.630
64.096	28.331	27.056	23.333	18.421	14.485	12.312	11.655	65.141
65.617	28.493	27.300	23.705	18.775	14.743	12.505	11.828	66.674
67.166	28.588	27.482	24.043	19.125	15.007	12.705	12.009	68.235
68.749	28.618	27.601	24.344	19.470	15.275	12.912	12.196	69.029
70.370	28.588	27.659	24.602	19.806	15.549	13.126	12.392	71.462

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
72.369	28.482	27.550	24.849	20.194	15.881	13.392	12.636	73.476
74.085	28.344	27.583	24.999	20.500	16.160	13.620	12.849	75.206
75.856	28.170	27.469	25.096	20.786	16.440	13.856	13.069	76.990
77.673	27.973	27.318	25.139	21.046	16.718	14.095	13.294	78.820
79.537	27.761	27.139	25.131	21.276	16.990	14.338	13.525	80.698
81.456	27.545	26.942	25.076	21.472	17.256	14.582	13.761	82.631
83.438	27.330	26.735	24.981	21.631	17.513	14.829	14.001	84.629
85.484	27.125	26.527	24.851	21.749	17.758	15.075	14.244	86.690
87.574	26.937	26.329	24.699	21.826	17.985	15.315	14.485	88.795
89.715	26.768	26.143	24.531	21.860	18.192	15.550	14.724	90.953
91.917	26.621	25.975	24.357	21.857	18.376	15.776	14.959	93.171
94.188	26.496	25.825	24.182	21.817	18.535	15.993	15.189	95.460
96.512	26.395	25.698	24.014	21.749	18.666	16.196	15.409	97.801
98.876	26.317	25.595	23.859	21.658	18.766	16.381	15.616	100.182
101.285	26.259	25.513	23.718	21.551	18.836	16.548	15.808	102.610
104.230	26.214	25.442	23.574	21.411	18.881	16.719	16.016	105.577
106.705	26.194	25.403	23.475	21.292	18.890	16.836	16.166	108.070
109.200	26.186	25.379	23.394	21.175	18.876	16.929	16.294	110.584
111.706	26.187	25.366	23.331	21.065	18.843	16.999	16.400	113.108
114.225	26.195	25.364	23.284	20.963	18.796	17.047	16.483	115.646
116.762	26.209	25.370	23.249	20.871	18.738	17.074	16.545	118.202
119.322	26.227	25.380	23.227	20.789	18.673	17.082	16.585	120.782
121.909	26.247	25.395	23.214	20.717	18.603	17.074	16.607	123.388
124.529	26.269	25.413	23.209	20.656	18.531	17.051	16.611	126.028
127.186	26.293	25.433	23.210	20.605	18.459	17.016	16.598	128.705
129.885	26.317	25.455	23.216	20.563	18.389	16.971	16.572	131.424
132.631	26.341	25.477	23.227	20.530	18.322	16.919	16.533	134.191
135.429	26.366	25.500	23.241	20.506	18.260	16.860	16.483	137.010
138.286	26.390	25.524	23.257	20.488	18.201	16.798	16.426	139.888
141.206	26.413	25.547	23.274	20.477	18.149	16.734	16.362	142.831
144.804	26.440	25.574	23.297	20.471	18.093	16.657	16.280	146.455
147.886	26.460	25.595	23.317	20.471	18.053	16.593	16.208	149.561
151.054	26.478	25.616	23.338	20.475	18.019	16.531	16.136	152.752
154.314	26.496	25.635	23.358	20.483	17.991	16.473	16.064	156.037
157.675	26.511	25.652	23.378	20.493	17.969	16.418	15.993	159.423
161.145	26.523	25.667	23.397	20.505	17.952	16.367	15.925	162.920
164.736	26.534	25.680	23.416	20.519	17.940	16.321	15.861	166.537
168.457	26.542	25.691	23.433	20.534	17.932	16.281	15.800	170.286
172.320	26.549	25.700	23.449	20.551	17.929	16.246	15.745	174.178
176.339	26.554	25.707	23.463	20.567	17.930	16.217	15.696	178.228
180.529	26.557	25.712	23.475	20.584	17.934	16.194	15.652	182.448
184.905	26.559	25.716	23.485	20.600	17.941	16.176	15.614	186.857
189.484	26.560	25.718	23.494	20.616	17.951	16.164	15.583	191.471
194.288	26.560	25.719	23.500	20.632	17.963	16.157	15.559	196.311
200.379	26.559	25.718	23.504	20.648	17.979	16.155	15.538	202.448

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	1.637	1.625	1.590	1.545	1.500	1.468	1.456	1.431
.911	1.580	1.567	1.533	1.488	1.444	1.412	1.401	1.482
.965	1.621	1.608	1.573	1.527	1.482	1.449	1.438	1.537
1.084	1.650	1.637	1.602	1.556	1.511	1.478	1.467	1.656
1.218	1.649	1.636	1.602	1.557	1.512	1.481	1.469	1.792
1.369	1.639	1.626	1.593	1.548	1.504	1.473	1.462	1.944
1.538	1.625	1.613	1.580	1.536	1.493	1.463	1.452	2.115
1.727	1.608	1.596	1.563	1.520	1.479	1.449	1.439	2.305
1.936	1.586	1.575	1.543	1.502	1.461	1.433	1.423	2.517
2.168	1.561	1.549	1.519	1.479	1.440	1.413	1.403	2.751
2.423	1.533	1.522	1.493	1.455	1.418	1.392	1.383	3.009
2.703	1.508	1.498	1.469	1.432	1.397	1.372	1.364	3.291
3.008	1.487	1.477	1.448	1.411	1.377	1.353	1.345	3.599
3.339	1.469	1.459	1.430	1.393	1.359	1.335	1.327	3.933
3.696	1.453	1.443	1.415	1.378	1.344	1.320	1.312	4.295
4.082	1.441	1.430	1.402	1.366	1.332	1.309	1.300	4.684
4.497	1.431	1.421	1.393	1.357	1.323	1.300	1.292	5.103
4.941	1.424	1.414	1.386	1.350	1.317	1.294	1.286	5.551
5.415	1.420	1.410	1.381	1.346	1.312	1.290	1.282	6.030
5.920	1.419	1.408	1.380	1.344	1.310	1.288	1.280	6.540
6.456	1.419	1.409	1.380	1.344	1.310	1.288	1.280	7.082
7.026	1.422	1.411	1.382	1.345	1.312	1.289	1.282	7.656
7.628	1.426	1.415	1.385	1.349	1.315	1.292	1.285	8.265
7.942	1.428	1.418	1.388	1.351	1.317	1.294	1.287	8.582
8.596	1.434	1.423	1.393	1.355	1.321	1.299	1.291	9.242
9.285	1.440	1.429	1.398	1.361	1.327	1.304	1.297	9.938
10.011	1.447	1.436	1.405	1.367	1.333	1.310	1.302	10.671
10.773	1.453	1.442	1.411	1.373	1.339	1.316	1.308	11.441
11.574	1.460	1.449	1.418	1.379	1.345	1.322	1.314	12.250
12.414	1.467	1.456	1.424	1.386	1.351	1.328	1.320	13.098
13.294	1.474	1.462	1.430	1.392	1.357	1.334	1.326	13.987
14.215	1.480	1.468	1.436	1.397	1.362	1.339	1.332	14.917
15.179	1.486	1.474	1.442	1.403	1.368	1.345	1.337	15.890
16.186	1.492	1.480	1.447	1.408	1.373	1.350	1.342	16.906
17.237	1.497	1.485	1.453	1.413	1.378	1.355	1.347	17.968
18.334	1.502	1.490	1.457	1.418	1.382	1.359	1.352	19.076
19.479	1.506	1.494	1.462	1.422	1.386	1.363	1.356	20.232
20.672	1.510	1.498	1.466	1.426	1.390	1.367	1.359	21.437
21.914	1.514	1.502	1.469	1.429	1.394	1.370	1.363	22.691
23.208	1.518	1.506	1.473	1.433	1.397	1.374	1.366	23.998
24.554	1.521	1.509	1.476	1.436	1.400	1.376	1.369	25.358
25.955	1.524	1.512	1.479	1.439	1.403	1.379	1.371	26.772
27.412	1.527	1.515	1.481	1.441	1.405	1.381	1.374	28.243
28.925	1.529	1.517	1.484	1.443	1.407	1.384	1.376	29.772
30.498	1.531	1.519	1.486	1.446	1.409	1.386	1.378	31.360

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
31.308	1.533	1.520	1.487	1.447	1.410	1.387	1.379	32.177
32.973	1.535	1.522	1.489	1.448	1.412	1.388	1.381	33.858
34.701	1.536	1.524	1.491	1.450	1.414	1.390	1.382	35.604
36.495	1.538	1.526	1.492	1.452	1.415	1.391	1.383	37.416
38.357	1.540	1.527	1.494	1.453	1.417	1.393	1.385	39.296
40.288	1.541	1.529	1.495	1.455	1.418	1.394	1.386	41.246
42.292	1.542	1.530	1.497	1.456	1.419	1.395	1.387	43.269
44.369	1.544	1.531	1.498	1.457	1.420	1.396	1.388	45.367
46.522	1.545	1.532	1.499	1.458	1.421	1.397	1.389	47.541
48.755	1.546	1.533	1.500	1.459	1.422	1.398	1.390	49.796
51.068	1.547	1.534	1.501	1.460	1.423	1.399	1.391	52.132
53.466	1.547	1.535	1.502	1.461	1.424	1.399	1.391	54.553
55.950	1.548	1.536	1.503	1.461	1.424	1.400	1.392	57.062
58.524	1.549	1.537	1.503	1.462	1.425	1.401	1.393	59.661
61.191	1.550	1.537	1.504	1.463	1.426	1.401	1.393	62.354
63.954	1.550	1.538	1.505	1.463	1.426	1.402	1.394	65.144
66.815	1.551	1.539	1.505	1.464	1.427	1.402	1.394	68.034
69.779	1.551	1.539	1.506	1.464	1.427	1.403	1.395	71.027
72.850	1.552	1.540	1.506	1.465	1.428	1.403	1.395	74.128
76.031	1.552	1.540	1.507	1.465	1.428	1.404	1.395	77.340
79.326	1.553	1.540	1.507	1.466	1.428	1.404	1.396	80.668
82.740	1.553	1.541	1.507	1.466	1.429	1.404	1.396	84.115
84.493	1.553	1.541	1.508	1.466	1.429	1.404	1.396	85.885
88.093	1.553	1.541	1.508	1.467	1.429	1.405	1.397	89.521
91.824	1.554	1.541	1.508	1.467	1.430	1.405	1.397	93.288
95.690	1.554	1.542	1.508	1.467	1.430	1.405	1.397	97.192
99.697	1.554	1.542	1.509	1.467	1.430	1.405	1.397	101.238
103.850	1.554	1.542	1.509	1.468	1.430	1.406	1.397	105.432
108.156	1.554	1.542	1.509	1.468	1.431	1.406	1.398	109.780
112.620	1.555	1.542	1.509	1.468	1.431	1.406	1.398	114.288
117.249	1.555	1.543	1.509	1.468	1.431	1.406	1.398	118.963
122.049	1.555	1.543	1.509	1.468	1.431	1.406	1.398	123.811
127.028	1.555	1.543	1.510	1.468	1.431	1.407	1.398	128.838
132.193	1.555	1.543	1.510	1.469	1.431	1.407	1.398	134.054
137.550	1.555	1.543	1.510	1.469	1.431	1.407	1.398	139.464
143.108	1.555	1.543	1.510	1.469	1.431	1.407	1.399	145.076
148.875	1.555	1.543	1.510	1.469	1.432	1.407	1.399	150.900
154.859	1.555	1.543	1.510	1.469	1.432	1.407	1.399	156.943
161.069	1.555	1.543	1.510	1.469	1.432	1.407	1.399	163.214
167.513	1.555	1.543	1.510	1.469	1.432	1.407	1.399	169.721
174.201	1.556	1.543	1.510	1.469	1.432	1.407	1.399	176.475
181.143	1.556	1.543	1.510	1.469	1.432	1.407	1.399	183.485
188.348	1.556	1.544	1.510	1.469	1.432	1.407	1.399	190.761
195.826	1.556	1.544	1.510	1.469	1.432	1.407	1.399	198.312
203.589	1.556	1.544	1.511	1.469	1.432	1.407	1.399	206.151

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	2.747	2.724	2.662	2.579	2.497	2.439	2.418	1.431
.970	2.692	2.669	2.607	2.523	2.442	2.384	2.363	1.541
1.032	2.699	2.676	2.614	2.532	2.452	2.395	2.374	1.604
1.172	2.655	2.633	2.574	2.495	2.418	2.363	2.343	1.746
1.334	2.592	2.571	2.513	2.436	2.362	2.309	2.289	1.909
1.521	2.520	2.499	2.444	2.370	2.298	2.247	2.229	2.097
1.734	2.438	2.418	2.365	2.294	2.226	2.178	2.160	2.313
1.977	2.350	2.331	2.280	2.213	2.148	2.103	2.086	2.558
2.251	2.257	2.239	2.190	2.127	2.066	2.023	2.007	2.835
2.557	2.165	2.148	2.101	2.041	1.983	1.943	1.928	3.144
2.899	2.082	2.066	2.020	1.961	1.906	1.867	1.854	3.489
3.275	2.007	1.991	1.947	1.890	1.836	1.798	1.785	3.869
3.684	1.942	1.926	1.882	1.826	1.773	1.737	1.725	4.282
4.127	1.886	1.871	1.827	1.771	1.719	1.684	1.671	4.730
4.604	1.841	1.825	1.781	1.725	1.674	1.638	1.626	5.212
5.117	1.805	1.789	1.745	1.688	1.636	1.601	1.589	5.729
5.665	1.778	1.762	1.716	1.659	1.607	1.571	1.559	6.282
6.249	1.759	1.742	1.696	1.637	1.584	1.548	1.536	6.872
6.869	1.747	1.729	1.682	1.622	1.568	1.531	1.518	7.499
7.527	1.740	1.722	1.673	1.612	1.557	1.519	1.507	8.163
8.223	1.739	1.720	1.670	1.608	1.551	1.512	1.499	8.866
8.958	1.742	1.723	1.671	1.607	1.548	1.509	1.496	9.608
9.732	1.748	1.729	1.675	1.610	1.550	1.510	1.496	10.390
10.548	1.758	1.738	1.683	1.615	1.554	1.513	1.499	11.214
11.406	1.770	1.749	1.693	1.623	1.561	1.519	1.505	12.080
12.304	1.783	1.762	1.704	1.633	1.569	1.526	1.512	12.987
13.239	1.798	1.776	1.717	1.645	1.579	1.535	1.521	13.931
14.213	1.814	1.792	1.731	1.657	1.590	1.545	1.531	14.915
15.225	1.830	1.807	1.745	1.670	1.601	1.556	1.541	15.936
16.275	1.846	1.822	1.760	1.683	1.613	1.567	1.552	16.997
17.923	1.869	1.845	1.781	1.702	1.631	1.584	1.569	18.661
19.070	1.883	1.859	1.794	1.714	1.642	1.595	1.580	19.819
20.256	1.897	1.872	1.807	1.726	1.654	1.606	1.590	21.017
21.482	1.909	1.885	1.819	1.737	1.664	1.616	1.600	22.255
22.747	1.921	1.896	1.830	1.748	1.674	1.626	1.610	23.533
24.053	1.932	1.907	1.840	1.758	1.684	1.635	1.619	24.852
25.400	1.942	1.917	1.850	1.767	1.692	1.643	1.627	26.212
26.788	1.951	1.926	1.859	1.775	1.700	1.651	1.635	27.613
28.218	1.960	1.934	1.867	1.783	1.708	1.658	1.642	29.057
29.690	1.968	1.942	1.874	1.790	1.715	1.665	1.649	30.544
31.205	1.975	1.949	1.881	1.797	1.721	1.671	1.655	32.074
32.763	1.981	1.955	1.887	1.803	1.727	1.677	1.660	33.647
34.366	1.987	1.961	1.893	1.808	1.732	1.682	1.665	35.266
36.013	1.992	1.966	1.898	1.813	1.737	1.687	1.670	36.929
37.706	1.997	1.971	1.903	1.818	1.741	1.691	1.674	38.639

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.446	2.002	1.976	1.907	1.822	1.745	1.695	1.678	40.395
41.232	2.006	1.980	1.911	1.826	1.749	1.698	1.682	42.200
43.067	2.009	1.984	1.915	1.829	1.752	1.702	1.685	44.052
44.951	2.013	1.987	1.918	1.833	1.755	1.705	1.688	45.955
46.885	2.016	1.990	1.922	1.836	1.758	1.708	1.691	47.908
48.871	2.019	1.993	1.924	1.839	1.761	1.710	1.693	49.913
50.909	2.022	1.996	1.927	1.841	1.764	1.712	1.695	51.971
53.002	2.024	1.998	1.930	1.844	1.766	1.715	1.698	54.084
55.150	2.026	2.000	1.932	1.846	1.768	1.717	1.700	56.254
57.356	2.028	2.003	1.934	1.848	1.770	1.719	1.701	56.481
59.622	2.030	2.004	1.936	1.850	1.772	1.720	1.703	60.769
61.949	2.032	2.006	1.938	1.852	1.774	1.722	1.705	63.120
64.341	2.033	2.008	1.939	1.853	1.775	1.724	1.706	65.535
66.800	2.035	2.009	1.941	1.855	1.777	1.725	1.708	68.019
69.329	2.036	2.010	1.942	1.856	1.778	1.726	1.709	70.572
73.260	2.038	2.012	1.944	1.858	1.780	1.728	1.711	74.542
75.977	2.039	2.013	1.945	1.859	1.781	1.729	1.712	77.285
78.775	2.039	2.014	1.946	1.860	1.782	1.730	1.713	80.111
81.657	2.040	2.015	1.947	1.861	1.783	1.731	1.714	83.022
84.628	2.041	2.015	1.948	1.862	1.784	1.732	1.715	86.021
87.690	2.041	2.016	1.949	1.863	1.785	1.733	1.715	89.113
90.847	2.042	2.017	1.949	1.864	1.786	1.734	1.716	92.301
94.102	2.042	2.017	1.950	1.864	1.786	1.734	1.717	95.589
97.461	2.043	2.017	1.950	1.865	1.787	1.735	1.718	98.980
100.925	2.043	2.018	1.951	1.865	1.788	1.736	1.718	102.479
104.500	2.043	2.018	1.951	1.866	1.788	1.736	1.719	106.089
108.189	2.043	2.018	1.951	1.866	1.789	1.737	1.719	109.814
111.995	2.044	2.019	1.952	1.867	1.789	1.737	1.720	113.658
115.924	2.044	2.019	1.952	1.867	1.789	1.738	1.720	117.625
119.978	2.044	2.019	1.952	1.867	1.790	1.738	1.720	121.719
124.163	2.044	2.020	1.953	1.868	1.790	1.738	1.721	125.946
128.483	2.045	2.020	1.953	1.868	1.790	1.739	1.721	130.308
132.942	2.045	2.020	1.953	1.868	1.790	1.739	1.721	134.811
137.545	2.045	2.020	1.953	1.868	1.791	1.739	1.722	139.459
142.297	2.045	2.020	1.954	1.869	1.791	1.739	1.722	144.258
147.203	2.045	2.020	1.954	1.869	1.791	1.739	1.722	149.211
152.267	2.046	2.021	1.954	1.869	1.791	1.740	1.722	154.326
157.496	2.046	2.021	1.954	1.869	1.792	1.740	1.722	159.606
162.895	2.046	2.021	1.954	1.869	1.792	1.740	1.722	165.057
168.468	2.046	2.021	1.954	1.870	1.792	1.740	1.722	170.686
174.223	2.046	2.021	1.955	1.870	1.792	1.740	1.722	176.497
180.166	2.046	2.021	1.955	1.870	1.792	1.740	1.722	182.498
186.301	2.046	2.021	1.955	1.870	1.792	1.740	1.723	188.694
192.637	2.046	2.021	1.955	1.870	1.793	1.741	1.723	195.092
202.530	2.046	2.021	1.955	1.870	1.793	1.741	1.723	205.082

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	9.220	9.136	8.911	8.612	8.322	8.114	8.039	1.431
.961	8.939	8.857	8.635	8.341	8.054	7.850	7.776	1.533
1.097	8.719	8.641	8.432	8.153	7.882	7.689	7.619	1.670
1.349	8.174	8.101	7.907	7.648	7.397	7.219	7.155	1.924
1.542	7.774	7.706	7.523	7.279	7.045	6.878	6.818	2.119
1.878	7.139	7.077	6.912	6.692	6.481	6.332	6.278	2.458
2.270	6.499	6.443	6.294	6.098	5.911	5.780	5.733	2.854
2.564	6.100	6.048	5.906	5.722	5.548	5.426	5.383	3.151
3.054	5.552	5.504	5.374	5.205	5.046	4.935	4.896	3.645
3.604	5.070	5.025	4.902	4.744	4.597	4.496	4.460	4.202
4.006	4.791	4.747	4.626	4.473	4.331	4.234	4.200	4.607
4.659	4.474	4.391	4.272	4.123	3.985	3.892	3.860	5.266
5.371	4.146	4.103	3.984	3.836	3.699	3.608	3.576	5.986
5.879	3.989	3.945	3.825	3.675	3.539	3.448	3.416	6.498
6.686	3.796	3.751	3.628	3.476	3.338	3.246	3.214	7.314
7.546	3.649	3.602	3.476	3.319	3.178	3.084	3.052	8.182
8.147	3.572	3.524	3.394	3.235	3.091	2.995	2.962	8.789
9.087	3.484	3.434	3.299	3.133	2.984	2.885	2.852	9.738
10.070	3.424	3.371	3.229	3.056	2.902	2.799	2.765	10.731
11.094	3.388	3.332	3.183	3.001	2.840	2.734	2.698	11.765
11.797	3.375	3.317	3.162	2.97[illegible]	2.809	2.699	2.662	12.475
12.881	3.371	3.309	3.146	2.948	2.774	2.660	2.621	13.570
13.998	3.383	3.317	3.144	2.936	2.753	2.633	2.593	14.698
14.761	3.398	3.330	3.150	2.934	2.745	2.621	2.580	15.468
15.929	3.432	3.359	3.169	2.940	2.741	2.612	2.568	16.647
17.126	3.475	3.398	3.197	2.956	2.746	2.610	2.565	17.856
17.939	3.509	3.429	3.220	2.971	2.754	2.614	2.567	18.677
19.181	3.567	3.481	3.262	2.999	2.770	2.624	2.575	19.932
20.450	3.630	3.540	3.309	3.033	2.793	2.639	2.588	21.213
21.311	3.675	3.582	3.344	3.058	2.811	2.653	2.600	22.082
22.623	3.745	3.648	3.399	3.100	2.842	2.676	2.621	23.407
23.961	3.818	3.717	3.457	3.145	2.876	2.703	2.646	24.758
24.867	3.868	3.764	3.497	3.177	2.900	2.723	2.664	25.674
26.248	3.942	3.835	3.559	3.226	2.939	2.755	2.693	27.068
27.655	4.016	3.905	3.620	3.277	2.979	2.789	2.725	28.489
28.608	4.064	3.951	3.661	3.310	3.006	2.812	2.747	29.451
30.058	4.135	4.019	3.722	3.361	3.048	2.848	2.781	30.916
31.535	4.203	4.085	3.781	3.412	3.090	2.885	2.816	32.407
33.038	4.267	4.147	3.839	3.461	3.132	2.921	2.851	33.925
34.056	4.308	4.187	3.875	3.494	3.160	2.946	2.875	34.952
35.604	4.366	4.244	3.928	3.541	3.201	2.982	2.910	36.516
37.181	4.420	4.297	3.978	3.585	3.240	3.018	2.944	38.108
38.249	4.454	4.330	4.010	3.614	3.266	3.042	2.967	39.187
39.876	4.502	4.378	4.055	3.655	3.303	3.076	3.000	40.830
41.537	4.547	4.422	4.098	3.694	3.338	3.108	3.032	42.507

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
42.664	4.574	4.449	4.124	3.719	3.361	3.129	3.052	43.645
44.387	4.613	4.488	4.162	3.754	3.393	3.160	3.082	45.386
46.156	4.648	4.524	4.197	3.788	3.424	3.189	3.111	47.171
47.363	4.670	4.546	4.219	3.809	3.443	3.208	3.129	48.390
49.220	4.700	4.576	4.251	3.839	3.472	3.235	3.156	50.265
51.141	4.726	4.604	4.280	3.867	3.498	3.260	3.181	52.205
52.461	4.741	4.620	4.298	3.885	3.515	3.276	3.197	53.538
54.506	4.760	4.641	4.323	3.911	3.540	3.300	3.220	55.604
56.639	4.774	4.659	4.345	3.935	3.563	3.322	3.243	57.758
58.869	4.784	4.672	4.365	3.958	3.585	3.343	3.264	60.010
60.415	4.788	4.678	4.376	3.972	3.599	3.357	3.277	61.571
62.829	4.789	4.683	4.390	3.991	3.619	3.376	3.296	64.008
65.368	4.788	4.685	4.400	4.008	3.638	3.395	3.315	66.572
67.136	4.786	4.684	4.404	4.019	3.650	3.407	3.327	68.357
69.909	4.782	4.681	4.408	4.032	3.666	3.423	3.343	71.158
72.837	4.778	4.678	4.408	4.042	3.682	3.439	3.359	74.115
74.855	4.776	4.675	4.407	4.047	3.691	3.449	3.369	76.153
77.967	4.773	4.673	4.405	4.052	3.702	3.462	3.382	79.295
81.185	4.771	4.670	4.403	4.054	3.712	3.474	3.394	82.545
83.392	4.769	4.669	4.402	4.055	3.717	3.481	3.402	84.773
86.800	4.767	4.667	4.400	4.054	3.723	3.490	3.412	88.215
90.329	4.766	4.666	4.399	4.053	3.727	3.498	3.420	91.778
92.752	4.765	4.665	4.398	4.052	3.728	3.502	3.425	94.225
96.496	4.763	4.664	4.398	4.052	3.729	3.507	3.431	98.007
100.378	4.762	4.662	4.397	4.051	3.729	3.510	3.435	101.926
103.045	4.761	4.662	4.396	4.051	3.729	3.511	3.437	104.619
107.168	4.760	4.661	4.395	4.051	3.729	3.512	3.438	108.783
111.443	4.759	4.660	4.395	4.051	3.728	3.511	3.439	113.100
115.877	4.759	4.659	4.394	4.051	3.728	3.511	3.438	117.577
118.923	4.759	4.659	4.393	4.051	3.728	3.510	3.437	120.654
123.634	4.758	4.658	4.393	4.050	3.729	3.510	3.436	125.411
128.518	4.759	4.658	4.392	4.050	3.729	3.510	3.436	130.343
131.875	4.759	4.658	4.392	4.050	3.729	3.510	3.435	133.733
137.064	4.759	4.658	4.392	4.050	3.730	3.510	3.435	138.973
142.446	4.760	4.659	4.392	4.050	3.730	3.510	3.435	144.408
146.144	4.760	4.659	4.392	4.049	3.730	3.510	3.435	148.142
151.861	4.761	4.659	4.392	4.049	3.730	3.511	3.435	153.915
157.789	4.761	4.660	4.392	4.049	3.730	3.511	3.435	159.902
161.863	4.761	4.660	4.392	4.049	3.730	3.511	3.435	164.016
168.162	4.762	4.661	4.393	4.049	3.730	3.511	3.436	170.377
174.694	4.762	4.661	4.393	4.049	3.730	3.512	3.436	176.973
179.183	4.763	4.661	4.393	4.049	3.730	3.512	3.436	181.505
186.122	4.763	4.662	4.393	4.049	3.730	3.512	3.436	188.514
193.319	4.763	4.662	4.394	4.050	3.731	3.512	3.436	195.781
200.783	4.764	4.662	4.394	4.050	3.731	3.512	3.436	203.318

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	19.999	19.815	19.321	18.663	18.025	17.567	17.402	1.431
1.020	19.181	19.006	18.534	17.904	17.292	16.856	16.698	1.592
1.252	17.985	17.823	17.387	16.806	16.245	15.846	15.702	1.826
1.528	16.626	16.478	16.081	15.554	15.045	14.685	14.554	2.105
1.979	14.694	14.564	14.220	13.764	13.328	13.020	12.909	2.560
2.379	13.269	13.155	12.846	12.441	12.056	11.787	11.690	2.964
3.000	11.575	11.474	11.199	10.844	10.510	10.278	10.195	3.592
3.533	10.467	10.374	10.118	9.791	9.486	9.277	9.203	4.130
4.334	9.237	9.149	8.908	8.602	8.321	8.130	8.064	4.939
5.000	8.496	8.409	8.172	7.875	7.603	7.419	7.356	5.611
5.971	7.717	7.630	7.393	7.098	6.830	6.651	6.590	6.592
6.757	7.265	7.176	6.936	6.638	6.369	6.190	6.129	7.385
7.874	6.903	6.711	6.463	6.157	5.883	5.701	5.639	8.513
9.060	6.469	6.372	6.113	5.796	5.513	5.326	5.263	9.711
9.990	6.285	6.184	5.915	5.587	5.296	5.104	5.039	10.650
11.274	6.114	6.005	5.720	5.374	5.069	4.869	4.802	11.947
12.267	6.030	5.916	5.616	5.255	4.938	4.731	4.661	12.949
13.623	5.969	5.845	5.524	5.140	4.805	4.588	4.515	14.319
14.662	5.955	5.824	5.486	5.082	4.732	4.506	4.430	15.368
16.069	5.972	5.831	5.467	5.035	4.663	4.424	4.344	16.789
17.139	6.008	5.858	5.474	5.020	4.630	4.381	4.298	17.869
18.580	6.082	5.921	5.508	5.021	4.607	4.343	4.256	19.324
19.669	6.155	5.984	5.549	5.037	4.603	4.328	4.236	20.425
21.130	6.273	6.088	5.621	5.074	4.613	4.322	4.225	21.899
22.229	6.374	6.179	5.687	5.113	4.630	4.326	4.226	23.010
23.697	6.526	6.316	5.789	5.176	4.664	4.343	4.237	24.492
25.165	6.692	6.467	5.905	5.252	4.708	4.370	4.259	25.975
26.265	6.826	6.589	5.999	5.316	4.748	4.396	4.280	27.085
27.728	7.012	6.760	6.134	5.409	4.809	4.438	4.316	28.562
28.821	7.156	6.894	6.240	5.484	4.859	4.474	4.347	29.666
30.274	7.352	7.076	6.387	5.589	4.931	4.527	4.394	31.133
31.359	7.500	7.214	6.500	5.671	4.988	4.569	4.432	32.229
32.800	7.696	7.396	6.653	5.785	5.069	4.630	4.487	33.684
33.877	7.841	7.535	6.768	5.872	5.131	4.679	4.531	34.771
35.308	8.030	7.714	6.921	5.989	5.217	4.745	4.591	36.216
36.378	8.167	7.845	7.034	6.077	5.283	4.797	4.639	37.297
37.803	8.343	8.014	7.182	6.195	5.372	4.868	4.704	38.737
38.872	8.469	8.136	7.291	6.282	5.440	4.923	4.754	39.816
40.298	8.629	8.292	7.432	6.398	5.530	4.996	4.822	41.256
41.730	8.777	8.438	7.568	6.512	5.620	5.071	4.891	42.702
42.809	8.881	8.542	7.666	6.595	5.687	5.127	4.944	43.792
44.260	9.008	8.671	7.791	6.704	5.777	5.202	5.014	45.256
45.358	9.095	8.760	7.880	6.784	5.843	5.259	5.068	46.366
46.842	9.198	8.869	7.994	6.888	5.931	5.334	5.139	47.864
47.972	9.266	8.942	8.074	6.963	5.996	5.391	5.193	49.005

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
49.506	9.342	9.028	8.173	7.061	6.081	5.466	5.264	50.554
50.680	9.388	9.083	8.242	7.131	6.144	5.522	5.318	51.740
52.283	9.436	9.143	8.325	7.221	6.226	5.597	5.390	53.359
53.517	9.460	9.178	8.381	7.286	6.287	5.652	5.443	54.604
55.209	9.479	9.211	8.445	7.367	6.366	5.725	5.514	56.314
56.519	9.483	9.226	8.485	7.424	6.424	5.780	5.567	57.636
58.325	9.478	9.233	8.527	7.495	6.498	5.851	5.637	59.460
60.206	9.462	9.228	8.556	7.557	6.570	5.921	5.707	61.359
61.669	9.445	9.218	8.569	7.599	6.621	5.972	5.758	62.837
63.698	9.418	9.197	8.575	7.646	6.686	6.039	5.824	64.886
65.282	9.396	9.178	8.572	7.674	6.731	6.087	5.873	66.485
67.477	9.365	9.151	8.561	7.702	6.786	6.148	5.936	68.702
69.193	9.342	9.129	8.548	7.716	6.823	6.192	5.981	70.435
71.567	9.313	9.101	8.527	7.726	6.865	6.246	6.038	72.832
73.416	9.293	9.080	8.510	7.726	6.891	6.283	6.078	74.699
75.958	9.269	9.055	8.486	7.721	6.919	6.327	6.127	77.266
77.905	9.253	9.039	8.469	7.713	6.933	6.355	6.159	79.233
80.551	9.235	9.019	8.449	7.699	6.945	6.387	6.196	81.905
82.578	9.224	9.007	8.434	7.688	6.949	6.406	6.220	83.951
85.343	9.211	8.993	8.417	7.672	6.949	6.424	6.245	86.744
88.192	9.202	8.982	8.402	7.657	6.944	6.436	6.264	89.620
90.389	9.196	8.975	8.393	7.647	6.938	6.441	6.273	91.840
93.411	9.190	8.967	8.382	7.633	6.929	6.442	6.280	94.891
95.753	9.187	8.963	8.375	7.624	6.921	6.440	6.281	97.256
98.987	9.185	8.959	8.367	7.613	6.910	6.434	6.279	100.522
101.505	9.184	8.957	8.362	7.606	6.902	6.428	6.274	103.064
104.999	9.185	8.956	8.357	7.598	6.892	6.418	6.266	106.592
107.731	9.186	8.956	8.355	7.592	6.886	6.410	6.258	109.352
111.540	9.189	8.958	8.352	7.586	6.877	6.400	6.247	113.198
114.532	9.191	8.960	8.352	7.583	6.872	6.393	6.238	116.220
118.723	9.194	8.963	8.352	7.579	6.866	6.384	6.227	120.452
122.031	9.197	8.965	8.353	7.576	6.862	6.377	6.219	123.792
126.685	9.201	8.968	8.355	7.574	6.857	6.370	6.210	128.492
131.646	9.204	8.972	8.357	7.574	6.853	6.364	6.202	133.502
135.590	9.207	8.974	8.359	7.574	6.851	6.360	6.196	137.484
141.174	9.210	8.977	8.362	7.575	6.849	6.356	6.190	143.123
145.630	9.212	8.979	8.364	7.576	6.848	6.353	6.186	147.623
151.964	9.214	8.982	8.367	7.578	6.848	6.351	6.182	154.020
157.035	9.216	8.983	8.368	7.580	6.848	6.350	6.180	159.140
164.192	9.218	8.985	8.371	7.582	6.849	6.348	6.177	166.367
169.766	9.219	8.987	8.372	7.584	6.850	6.348	6.176	171.996
177.475	9.221	8.989	8.374	7.586	6.853	6.349	6.175	179.781
183.474	9.222	8.990	8.375	7.587	6.855	6.350	6.176	185.839
191.774	9.223	8.991	8.377	7.589	6.857	6.352	6.176	194.220
200.430	9.223	8.991	8.378	7.590	6.859	6.354	6.178	202.962

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	35.089	34.764	33.892	32.731	31.608	30.801	30.510	1.431
1.089	32.961	32.662	31.856	30.782	29.740	28.998	28.729	1.662
1.335	30.678	30.401	29.657	28.667	27.710	27.030	26.784	1.910
1.850	26.438	26.204	25.579	24.751	23.957	23.397	23.194	2.430
2.366	23.044	22.844	22.306	21.599	20.928	20.459	20.290	2.951
2.980	20.026	19.850	19.373	18.757	18.177	17.775	17.632	3.571
3.889	16.877	16.722	16.298	15.758	15.258	14.917	14.798	4.489
4.728	14.912	14.763	14.358	13.848	13.380	13.065	12.956	5.336
5.907	13.070	12.923	12.523	12.025	11.574	11.272	11.169	6.527
6.945	11.994	11.844	11.439	10.938	10.487	10.186	10.084	7.575
8.056	11.190	11.034	10.617	10.105	9.647	9.343	9.240	8.697
9.530	10.475	10.310	9.871	9.336	8.861	8.549	8.443	10.186
10.766	10.081	9.907	9.445	8.886	8.392	8.069	7.960	11.433
12.366	9.761	9.571	9.074	8.477	7.955	7.616	7.501	13.049
13.680	9.613	9.409	8.879	8.246	7.698	7.343	7.224	14.377
15.018	9.542	9.323	8.756	8.084	7.505	7.133	7.008	15.727
16.712	9.541	9.301	8.684	7.957	7.336	6.940	6.808	17.438
18.077	9.598	9.339	8.679	7.905	7.248	6.832	6.693	18.817
19.789	9.729	9.445	8.727	7.890	7.184	6.740	6.593	20.545
21.156	9.877	9.571	8.802	7.910	7.164	6.697	6.542	21.926
22.517	10.059	9.729	8.905	7.955	7.166	6.674	6.512	23.301
24.204	10.331	9.969	9.069	8.041	7.194	6.671	6.499	25.084
25.539	10.580	10.190	9.227	8.131	7.236	6.686	6.505	26.352
27.185	10.925	10.499	9.452	8.267	7.307	6.722	6.530	28.114
28.483	11.223	10.768	9.651	8.392	7.377	6.763	6.563	29.325
29.762	11.536	11.052	9.865	8.529	7.458	6.813	6.604	30.616
31.335	11.943	11.422	10.149	8.716	7.573	6.888	6.667	32.205
32.573	12.275	11.727	10.387	8.876	7.674	6.956	6.725	33.455
34.095	12.693	12.114	10.693	9.086	7.809	7.050	6.806	34.992
35.295	13.026	12.424	10.942	9.260	7.924	7.132	6.877	36.204
36.480	13.353	12.731	11.193	9.439	8.044	7.218	6.953	37.401
37.944	13.751	13.107	11.507	9.667	8.200	7.332	7.054	38.878
39.102	14.057	13.400	11.756	9.852	8.328	7.427	7.139	40.048
40.252	14.350	13.683	12.002	10.038	8.460	7.526	7.227	41.209
41.680	14.694	14.020	12.303	10.271	8.627	7.653	7.341	42.652
42.819	14.948	14.274	12.537	10.457	8.763	7.758	7.436	43.802
44.242	15.238	14.569	12.820	10.689	8.936	7.892	7.558	45.239
45.383	15.446	14.785	13.037	10.872	9.075	8.002	7.658	46.391
46.530	15.630	14.983	13.244	11.053	9.216	8.114	7.760	47.549
47.976	15.826	15.200	13.487	11.276	9.392	8.256	7.891	49.010
49.147	15.954	15.350	13.668	11.450	9.534	8.372	7.999	50.192
50.633	16.077	15.504	13.875	11.661	9.712	8.520	8.136	51.693
51.845	16.146	15.601	14.023	11.825	9.854	8.640	8.248	52.916
53.080	16.191	15.674	14.155	11.982	9.995	8.761	8.362	54.164
54.664	16.214	15.732	14.294	12.169	10.171	8.915	8.507	55.763

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
55.967	16.208	15.753	14.385	12.309	10.310	9.039	8.625	57.979
57.647	16.175	15.750	14.469	12.470	10.481	9.195	8.775	58.775
59.034	16.131	15.728	14.514	12.586	10.614	9.320	8.896	60.176
60.464	16.075	15.690	14.539	12.690	10.742	9.445	9.017	61.621
62.313	15.992	15.625	14.544	12.798	10.896	9.600	9.169	63.488
63.841	15.919	15.563	14.529	12.867	11.010	9.720	9.290	65.031
65.821	15.826	15.477	14.491	12.930	11.142	9.867	9.438	67.030
67.461	15.752	15.406	14.447	12.962	11.236	9.979	9.553	68.686
69.144	15.681	15.336	14.396	12.977	11.319	10.085	9.664	70.385
71.315	15.600	15.252	14.324	12.977	11.405	10.208	9.796	72.578
73.111	15.543	15.190	14.263	12.962	11.459	10.297	9.894	74.392
75.412	15.481	15.12[illegible]	14.189	12.929	11.509	10.395	10.005	76.715
77.300	15.440	15.07[illegible]	14.132	12.894	11.533	10.461	10.084	78.621
79.217	15.407	15.035	14.080	12.854	11.546	10.516	10.153	80.558
81.651	15.374	14.995	14.023	12.802	11.546	10.569	10.224	83.016
83.624	15.356	14.970	13.984	12.759	11.537	10.599	10.269	85.008
85.624	15.342	14.951	13.950	12.718	11.520	10.618	10.303	87.027
88.166	15.331	14.934	13.915	12.669	11.493	10.629	10.331	89.594
90.239	15.327	14.925	13.893	12.633	11.466	10.629	10.344	91.688
92.888	15.326	14.919	13.871	12.592	11.430	10.618	10.348	94.363
95.058	15.327	14.918	13.859	12.564	11.400	10.603	10.342	96.554
97.279	15.331	14.919	13.850	12.539	11.370	10.584	10.330	98.797
100.135	15.338	14.923	13.843	12.513	11.334	10.554	10.308	101.681
102.491	15.345	14.928	13.840	12.496	11.306	10.528	10.286	104.060
105.535	15.355	14.936	13.840	12.479	11.275	10.494	10.253	107.134
108.057	15.363	14.943	13.842	12.469	11.252	10.466	10.225	109.681
110.666	15.372	14.951	13.846	12.461	11.232	10.439	10.196	112.316
114.061	15.384	14.962	13.852	12.456	11.210	10.406	10.159	115.744
116.895	15.393	14.971	13.858	12.453	11.195	10.381	10.130	118.606
120.603	15.404	14.982	13.867	12.453	11.181	10.353	10.096	122.350
123.714	15.413	14.990	13.875	12.455	11.172	10.333	10.070	125.492
126.968	15.420	14.998	13.883	12.458	11.165	10.315	10.046	128.778
131.258	15.429	15.008	13.892	12.464	11.159	10.296	10.020	133.110
134.886	15.435	15.014	13.900	12.470	11.157	10.284	10.002	136.773
139.693	15.441	15.021	13.909	12.477	11.158	10.273	9.983	141.628
143.779	15.445	15.026	13.915	12.484	11.159	10.267	9.971	145.754
148.100	15.448	15.030	13.921	12.491	11.163	10.263	9.962	150.118
153.868	15.451	15.034	13.927	12.499	11.169	10.261	9.954	155.942
158.803	15.452	15.036	13.931	12.506	11.174	10.261	9.950	160.925
165.417	15.453	15.037	13.935	12.513	11.182	10.265	9.950	167.605
171.101	15.453	15.037	13.937	12.518	11.189	10.269	9.951	173.345
177.169	15.453	15.037	13.938	12.522	11.196	10.275	9.955	179.472
185.346	15.452	15.037	13.939	12.526	11.204	10.284	9.962	187.729
192.408	15.451	15.036	13.939	12.529	11.209	10.291	9.969	194.861
201.958	15.450	15.034	13.938	12.531	11.216	10.301	9.979	204.505

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	54.493	53.990	52.634	50.822	49.064	47.811	47.360	1.431
1.165	49.984	49.528	48.305	46.677	45.102	43.982	43.577	1.739
1.521	44.968	44.565	43.485	42.050	40.666	39.683	39.327	2.098
2.091	38.250	37.910	37.012	35.822	34.684	33.885	33.595	2.673
2.809	32.016	31.735	30.976	29.990	29.061	28.416	28.185	3.398
3.681	26.855	26.612	25.948	25.100	24.313	23.773	23.584	4.279
4.707	22.872	22.645	22.024	21.243	20.528	20.045	19.878	5.315
5.877	19.963	19.738	19.129	18.371	17.684	17.225	17.067	6.497
7.174	17.895	17.666	17.047	16.285	15.599	15.144	14.988	7.806
8.577	16.448	16.208	15.566	14.781	14.081	13.618	13.461	9.223
10.065	15.453	15.198	14.521	13.699	12.973	12.496	12.334	10.726
11.619	14.793	14.518	13.795	12.925	12.162	11.665	11.497	12.295
13.221	14.386	14.087	13.308	12.378	11.571	11.048	10.873	13.913
14.857	14.173	13.847	13.004	12.004	11.144	10.593	10.408	15.565
16.513	14.110	13.753	12.839	11.763	10.844	10.259	10.064	17.237
18.178	14.164	13.774	12.783	11.623	10.641	10.020	9.814	18.918
19.840	14.316	13.889	12.813	11.563	10.514	9.855	9.637	20.597
21.491	14.554	14.086	12.915	11.568	10.447	9.748	9.517	22.264
23.124	14.871	14.357	13.081	11.626	10.428	9.687	9.443	23.913
24.730	15.262	14.697	13.305	11.731	10.449	9.663	9.405	25.535
26.307	15.718	15.097	13.579	11.876	10.504	9.671	9.399	27.128
27.851	16.229	15.550	13.899	12.058	10.589	9.705	9.417	28.686
29.360	16.786	16.048	14.257	12.271	10.700	9.762	9.458	30.210
30.833	17.379	16.581	14.649	12.511	10.833	9.838	9.517	31.698
32.271	17.996	17.139	15.066	12.775	10.985	9.931	9.593	33.150
33.677	18.629	17.716	15.504	13.058	11.154	10.039	9.683	34.570
35.051	19.267	18.302	15.958	13.357	11.338	10.160	9.785	35.957
36.396	19.901	18.890	16.421	13.669	11.533	10.293	9.898	37.316
37.716	20.524	19.473	16.890	13.991	11.739	10.435	10.021	38.648
39.013	21.128	20.044	17.361	14.321	11.955	10.586	10.153	39.958
40.545	21.817	20.706	17.922	14.725	12.224	10.778	10.320	41.506
41.806	22.353	21.231	18.382	15.066	12.455	10.945	10.468	42.778
43.055	22.850	21.726	18.833	15.410	12.692	11.119	10.622	44.040
44.298	23.302	22.186	19.270	15.754	12.935	11.299	10.783	45.295
45.538	23.705	22.608	19.690	16.097	13.183	11.485	10.949	46.548
46.780	24.055	22.987	20.091	16.439	13.434	11.677	11.121	47.801
48.027	24.349	23.320	20.468	16.777	13.690	11.874	11.299	49.061
49.284	24.587	23.604	20.820	17.109	13.949	12.077	11.483	50.330
50.556	24.766	23.836	21.141	17.435	14.211	12.285	11.674	51.615
51.848	24.889	24.017	21.430	17.752	14.475	12.499	11.870	52.920
53.165	24.958	24.144	21.683	18.057	14.741	12.718	12.072	54.249
54.512	24.974	24.220	21.896	18.349	15.008	12.943	12.281	55.609
55.894	24.944	24.246	22.068	18.624	15.275	13.172	12.496	57.005
57.313	24.871	24.226	22.196	18.879	15.538	13.406	12.716	58.438
58.774	24.763	24.165	22.278	19.110	15.798	13.642	12.941	59.914

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
60.281	24.628	24.068	22.317	19.313	16.050	13.881	13.170	61.435
61.828	24.474	23.943	22.314	19.484	16.292	14.118	13.401	62.998
63.421	24.309	23.799	22.272	19.622	16.520	14.353	13.632	64.606
65.066	24.141	23.642	22.198	19.723	16.732	14.584	13.863	66.268
66.761	23.977	23.481	22.096	19.788	16.924	14.807	14.090	67.979
68.497	23.825	23.325	21.975	19.817	17.093	15.019	14.310	69.732
70.280	23.685	23.177	21.842	19.813	17.236	15.219	14.521	71.532
72.118	23.562	23.041	21.704	19.778	17.352	15.403	14.721	73.388
74.005	23.457	22.921	21.567	19.719	17.439	15.569	14.907	75.294
75.927	23.371	22.819	21.438	19.641	17.497	15.713	15.075	77.235
77.892	23.304	22.735	21.319	19.548	17.527	15.834	15.224	79.220
79.898	23.253	22.668	21.213	19.448	17.532	15.932	15.352	81.246
81.929	23.218	22.618	21.122	19.347	17.515	16.005	15.457	83.296
83.989	23.195	22.582	21.046	19.247	17.480	16.054	15.538	85.376
86.071	23.183	22.559	20.985	19.152	17.430	16.080	15.596	87.479
88.604	23.181	22.545	20.930	19.049	17.356	16.086	15.638	90.037
90.749	23.185	22.541	20.897	18.973	17.288	16.072	15.651	92.203
92.931	23.194	22.544	20.874	18.906	17.217	16.042	15.645	94.406
95.154	23.207	22.552	20.861	18.849	17.145	16.001	15.624	96.651
97.425	23.223	22.564	20.854	18.802	17.074	15.950	15.590	98.944
99.748	23.241	22.578	20.853	18.763	17.007	15.892	15.544	101.290
102.129	23.261	22.595	20.857	18.734	16.945	15.829	15.490	103.695
104.576	23.281	22.614	20.866	18.712	16.887	15.764	15.429	106.166
107.095	23.303	22.633	20.877	18.697	16.836	15.699	15.364	108.709
109.692	23.324	22.654	20.891	18.688	16.792	15.634	15.296	111.332
112.377	23.345	22.674	20.907	18.685	16.754	15.572	15.228	114.044
115.158	23.364	22.694	20.924	18.686	16.723	15.514	15.161	116.852
118.045	23.383	22.714	20.942	18.692	16.698	15.460	15.097	119.767
121.047	23.400	22.732	20.961	18.700	16.680	15.412	15.036	122.799
124.178	23.415	22.749	20.979	18.711	16.668	15.370	14.980	125.960
127.449	23.428	22.764	20.997	18.724	16.660	15.334	14.929	129.264
130.875	23.439	22.777	21.015	18.739	16.658	15.305	14.885	132.723
134.473	23.448	22.788	21.031	18.755	16.660	15.282	14.847	136.356
138.258	23.455	22.797	21.045	18.771	16.666	15.265	14.817	140.179
142.252	23.460	22.803	21.057	18.788	16.675	15.255	14.793	144.212
146.476	23.463	22.808	21.067	18.804	16.687	15.250	14.776	148.477
150.953	23.465	22.811	21.075	18.820	16.700	15.251	14.765	152.999
155.711	23.466	22.812	21.081	18.834	16.715	15.256	14.761	157.803
160.778	23.465	22.813	21.085	18.846	16.731	15.265	14.762	162.920
166.188	23.464	22.812	21.087	18.856	16.748	15.277	14.768	168.383
171.976	23.461	22.810	21.088	18.865	16.764	15.292	14.778	174.228
178.183	23.458	22.807	21.087	18.871	16.779	15.309	14.792	180.496
184.852	23.455	22.804	21.086	18.875	16.793	15.328	14.809	187.231
192.034	23.452	22.801	21.083	18.877	16.805	15.346	14.827	194.483
201.407	23.449	22.797	21.079	18.877	16.816	15.368	14.851	203.948

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	78.210	77.484	75.529	72.928	70.408	68.614	67.969	1.431
1.165	71.695	71.042	69.285	66.948	64.685	63.075	62.493	1.738
1.520	64.459	63.880	62.331	60.269	58.281	56.872	56.361	2.096
2.219	52.851	52.388	51.149	49.515	47.958	46.868	46.474	2.803
2.965	44.187	43.798	42.745	41.381	40.099	39.211	38.894	3.556
4.064	35.854	35.519	34.603	33.442	32.370	31.641	31.387	4.666
5.145	30.753	30.433	29.561	28.469	27.474	26.805	26.574	5.758
6.621	26.465	26.144	25.275	24.200	23.231	22.585	22.365	7.248
7.976	24.028	23.695	22.803	21.708	20.728	20.080	19.859	8.616
9.721	22.056	21.700	20.757	19.610	18.594	17.927	17.701	10.379
11.251	20.984	20.603	19.599	18.390	17.328	16.636	16.402	11.923
13.150	20.194	19.774	18.680	17.375	16.242	15.510	15.264	13.841
14.768	19.844	19.387	18.205	16.806	15.602	14.831	14.572	15.475
16.732	19.699	19.192	17.893	16.368	15.069	14.243	13.967	17.458
18.373	19.753	19.200	17.795	16.156	14.771	13.897	13.606	19.115
20.332	19.992	19.377	17.829	16.041	14.547	13.611	13.301	21.094
21.945	20.321	19.646	17.964	16.039	14.446	13.457	13.130	22.723
23.848	20.859	20.103	18.237	16.128	14.407	13.349	13.001	24.645
25.400	21.417	20.585	18.549	16.269	14.431	13.311	12.945	26.211
27.215	22.202	21.272	19.014	16.510	14.517	13.318	12.928	28.044
28.686	22.938	21.922	19.467	16.761	14.631	13.360	12.949	29.530
30.401	23.899	22.777	20.076	17.117	14.810	13.448	13.010	31.262
31.789	24.750	23.540	20.631	17.451	14.990	13.548	13.087	32.663
33.406	25.810	24.497	21.339	17.890	15.238	13.697	13.205	34.297
34.717	26.711	25.317	21.958	18.283	15.467	13.840	13.323	35.620
36.248	27.797	26.314	22.725	18.781	15.766	14.033	13.485	37.166
37.493	28.691	27.144	23.378	19.213	16.031	14.209	13.634	38.424
38.955	29.735	28.125	24.168	19.750	16.367	14.436	13.829	39.899
40.149	30.570	28.921	24.828	20.208	16.660	14.637	14.002	41.105
41.559	31.516	29.838	25.613	20.768	17.025	14.892	14.224	42.529
42.718	32.248	30.562	26.256	21.241	17.339	15.115	14.418	43.699
43.866	32.922	31.242	26.885	21.718	17.661	15.346	14.621	44.859
45.235	33.646	31.993	27.614	22.292	18.058	15.634	14.875	46.242
46.373	34.172	32.558	28.196	22.770	18.397	15.883	15.097	47.390
47.738	34.707	33.156	28.858	23.341	18.812	16.193	15.373	48.769
48.882	35.067	33.583	29.373	23.812	19.164	16.461	15.613	49.924
50.266	35.398	34.006	29.943	24.369	19.595	16.792	15.912	51.322
51.435	35.588	34.281	30.372	24.823	19.960	17.078	16.171	52.502
52.860	35.717	34.517	30.825	25.352	20.403	17.432	16.494	53.942
54.074	35.745	34.635	31.147	25.776	20.776	17.737	16.773	55.167
55.565	35.689	34.686	31.460	26.259	21.226	18.113	17.121	56.673
56.839	35.577	34.657	31.657	26.634	21.600	18.435	17.421	57.959
58.410	35.377	34.543	31.812	27.046	22.045	18.829	17.792	59.546
59.759	35.166	34.393	31.875	27.352	22.409	19.162	18.109	60.908
61.416	34.880	34.160	31.871	27.663	22.829	19.564	18.495	62.582

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
62.835	34.625	33.936	31.809	27.874	23.163	19.897	18.819	64.015
64.592	34.315	33.644	31.670	28.064	23.539	20.294	19.211	65.789
66.099	34.063	33.395	31.512	28.168	23.827	20.617	19.536	67.311
67.947	33.782	33.105	31.286	28.227	24.133	20.989	19.917	69.176
69.523	33.570	32.877	31.079	28.224	24.352	21.283	20.224	70.768
71.469	33.347	32.628	30.821	28.165	24.569	21.612	20.577	72.733
73.139	33.188	32.444	30.606	28.074	24.708	21.864	20.856	74.419
75.179	33.035	32.258	30.363	27.929	24.824	22.130	21.162	76.480
76.911	32.937	32.132	30.177	27.785	24.878	22.321	21.390	78.228
79.033	32.850	32.013	29.978	27.596	24.895	22.509	21.631	80.372
80.838	32.802	31.940	29.836	27.433	24.874	22.630	21.799	82.194
83.027	32.768	31.881	29.695	27.242	24.812	22.732	21.961	84.405
84.875	32.756	31.851	29.602	27.090	24.735	22.783	22.061	86.271
87.121	32.757	31.834	29.516	26.921	24.622	22.805	22.141	88.539
89.014	32.767	31.833	29.466	26.796	24.516	22.795	22.176	90.450
90.929	32.785	31.840	29.430	26.684	24.403	22.761	22.184	92.384
93.262	32.812	31.858	29.406	26.570	24.265	22.695	22.162	94.740
95.240	32.839	31.879	29.397	26.490	24.150	22.623	22.120	96.738
97.660	32.875	31.909	29.399	26.414	24.018	22.520	22.046	99.182
99.720	32.907	31.937	29.408	26.364	23.913	22.424	21.968	101.262
102.250	32.946	31.973	29.426	26.321	23.798	22.302	21.860	103.816
104.411	32.980	32.005	29.446	26.297	23.711	22.197	21.760	105.999
107.075	33.020	32.044	29.474	26.280	23.619	22.072	21.634	108.689
109.359	33.053	32.076	29.500	26.276	23.554	21.970	21.526	110.996
112.185	33.089	32.114	29.534	26.279	23.488	21.853	21.397	113.850
114.617	33.118	32.145	29.563	26.288	23.445	21.762	21.292	116.306
117.638	33.150	32.179	29.599	26.304	23.405	21.663	21.171	119.356
120.247	33.174	32.206	29.629	26.323	23.382	21.588	21.077	121.991
123.500	33.198	32.234	29.663	26.348	23.364	21.511	20.973	125.275
126.321	33.215	32.254	29.691	26.371	23.358	21.457	20.896	128.124
129.852	33.231	32.275	29.722	26.402	23.359	21.405	20.815	131.690
132.928	33.241	32.288	29.745	26.428	23.366	21.371	20.758	134.796
136.794	33.250	32.300	29.770	26.460	23.381	21.343	20.703	138.701
140.177	33.254	32.307	29.787	26.486	23.397	21.329	20.667	142.117
144.450	33.257	32.312	29.803	26.517	23.421	21.323	20.637	146.432
148.207	33.258	32.315	29.813	26.541	23.444	21.325	20.622	150.225
152.974	33.257	32.315	29.820	26.566	23.474	21.336	20.615	155.039
157.185	33.254	32.314	29.824	26.585	23.499	21.352	20.618	159.291
162.555	33.250	32.310	29.825	26.603	23.531	21.376	20.629	164.715
167.323	33.247	32.307	29.824	26.615	23.556	21.400	20.646	169.529
173.433	33.241	32.302	29.822	26.624	23.585	21.432	20.672	175.700
178.885	33.237	32.297	29.818	26.629	23.607	21.461	20.697	181.205
185.907	33.231	32.291	29.813	26.631	23.630	21.497	20.732	188.296
192.202	33.227	32.286	29.808	26.631	23.646	21.527	20.763	194.653
200.352	33.223	32.281	29.802	26.628	23.660	21.561	20.802	202.883

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	1.734	1.721	1.685	1.637	1.590	1.557	1.545	1.414
.946	1.717	1.704	1.668	1.619	1.571	1.537	1.525	1.517
1.002	1.739	1.725	1.689	1.640	1.592	1.558	1.545	1.574
1.124	1.749	1.735	1.699	1.651	1.604	1.570	1.558	1.698
1.263	1.741	1.728	1.692	1.645	1.599	1.566	1.554	1.838
1.418	1.729	1.715	1.681	1.634	1.588	1.556	1.544	1.995
1.591	1.712	1.699	1.665	1.619	1.575	1.543	1.531	2.170
1.783	1.692	1.679	1.646	1.601	1.558	1.527	1.516	2.365
1.996	1.669	1.657	1.624	1.580	1.538	1.508	1.498	2.580
2.230	1.641	1.629	1.597	1.556	1.515	1.487	1.476	2.817
2.486	1.612	1.601	1.570	1.529	1.491	1.464	1.454	3.077
2.765	1.589	1.578	1.547	1.507	1.469	1.443	1.433	3.359
3.069	1.570	1.559	1.528	1.488	1.450	1.424	1.415	3.666
3.396	1.554	1.543	1.512	1.472	1.434	1.408	1.399	3.998
3.750	1.540	1.529	1.498	1.459	1.422	1.396	1.386	4.356
4.129	1.529	1.518	1.488	1.448	1.411	1.386	1.377	4.740
4.534	1.522	1.511	1.480	1.441	1.404	1.379	1.370	5.150
4.967	1.517	1.506	1.475	1.436	1.399	1.374	1.365	5.588
5.668	1.516	1.505	1.473	1.433	1.396	1.370	1.362	6.298
6.170	1.518	1.506	1.474	1.434	1.396	1.371	1.362	6.807
6.702	1.521	1.510	1.477	1.436	1.399	1.373	1.364	7.345
7.263	1.526	1.515	1.482	1.440	1.402	1.377	1.368	7.913
7.854	1.532	1.520	1.487	1.446	1.407	1.381	1.373	8.512
8.477	1.539	1.527	1.494	1.452	1.413	1.387	1.378	9.142
9.130	1.547	1.534	1.500	1.458	1.419	1.393	1.384	9.804
9.816	1.554	1.542	1.508	1.465	1.426	1.400	1.391	10.498
10.534	1.562	1.549	1.515	1.472	1.433	1.406	1.397	11.225
11.285	1.570	1.557	1.522	1.479	1.439	1.413	1.404	11.985
12.071	1.577	1.564	1.529	1.486	1.446	1.419	1.411	12.781
12.891	1.584	1.571	1.536	1.492	1.452	1.426	1.417	13.611
13.747	1.591	1.578	1.543	1.499	1.459	1.432	1.423	14.478
14.639	1.598	1.585	1.549	1.505	1.464	1.438	1.429	15.381
15.568	1.604	1.591	1.555	1.510	1.470	1.443	1.434	16.322
16.536	1.609	1.596	1.560	1.516	1.475	1.448	1.439	17.301
17.542	1.615	1.601	1.565	1.521	1.480	1.453	1.444	18.320
18.588	1.619	1.606	1.570	1.525	1.484	1.457	1.448	19.379
20.233	1.626	1.613	1.576	1.531	1.490	1.463	1.454	21.045
21.383	1.630	1.617	1.580	1.535	1.494	1.467	1.458	22.209
22.576	1.634	1.620	1.584	1.538	1.497	1.470	1.461	23.417
23.814	1.637	1.623	1.587	1.542	1.500	1.473	1.464	24.670
25.097	1.640	1.626	1.590	1.544	1.503	1.476	1.467	25.969
26.426	1.643	1.629	1.593	1.547	1.506	1.478	1.469	27.315
27.804	1.645	1.632	1.595	1.549	1.508	1.481	1.471	28.710
29.230	1.648	1.634	1.597	1.552	1.510	1.483	1.473	30.154
30.708	1.650	1.636	1.599	1.554	1.512	1.485	1.475	31.650

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.237	1.652	1.638	1.601	1.556	1.514	1.486	1.477	33.198
33.819	1.654	1.640	1.603	1.557	1.516	1.488	1.479	34.800
35.456	1.655	1.642	1.605	1.559	1.517	1.489	1.480	36.458
37.149	1.657	1.643	1.606	1.560	1.519	1.491	1.481	38.172
38.901	1.658	1.645	1.608	1.562	1.520	1.492	1.483	39.945
40.712	1.659	1.646	1.609	1.563	1.521	1.493	1.484	41.779
42.585	1.661	1.647	1.610	1.564	1.522	1.494	1.485	43.675
44.521	1.662	1.648	1.611	1.565	1.523	1.495	1.486	45.635
46.522	1.663	1.649	1.612	1.566	1.524	1.496	1.487	47.662
49.652	1.664	1.650	1.614	1.568	1.525	1.497	1.488	50.831
51.827	1.665	1.651	1.614	1.568	1.526	1.498	1.489	53.033
54.075	1.666	1.652	1.615	1.569	1.527	1.499	1.489	55.309
56.400	1.666	1.653	1.616	1.570	1.528	1.499	1.490	57.662
58.803	1.667	1.653	1.617	1.570	1.528	1.500	1.491	60.096
61.288	1.667	1.654	1.617	1.571	1.529	1.501	1.491	62.612
63.858	1.668	1.654	1.618	1.572	1.529	1.501	1.492	65.214
66.517	1.668	1.655	1.618	1.572	1.530	1.502	1.492	67.906
69.267	1.669	1.655	1.619	1.572	1.530	1.502	1.493	70.690
72.112	1.669	1.656	1.619	1.573	1.531	1.502	1.493	73.571
75.057	1.669	1.656	1.619	1.573	1.531	1.503	1.493	76.552
78.105	1.670	1.656	1.620	1.574	1.531	1.503	1.494	79.638
81.260	1.670	1.656	1.620	1.574	1.532	1.503	1.494	82.833
84.527	1.670	1.657	1.620	1.574	1.532	1.504	1.494	86.140
87.909	1.670	1.657	1.620	1.574	1.532	1.504	1.494	89.565
91.413	1.670	1.657	1.620	1.575	1.532	1.504	1.495	93.112
95.042	1.671	1.657	1.621	1.575	1.533	1.504	1.495	96.786
98.801	1.671	1.657	1.621	1.575	1.533	1.505	1.495	100.592
104.696	1.671	1.657	1.621	1.575	1.533	1.505	1.495	106.561
108.804	1.671	1.658	1.621	1.575	1.533	1.505	1.495	110.720
113.062	1.671	1.658	1.621	1.575	1.533	1.505	1.495	115.030
117.474	1.671	1.658	1.621	1.575	1.533	1.505	1.496	119.498
122.047	1.671	1.658	1.622	1.576	1.533	1.505	1.496	124.128
126.787	1.672	1.658	1.622	1.576	1.534	1.505	1.496	128.927
131.700	1.672	1.658	1.622	1.576	1.534	1.505	1.496	133.901
136.792	1.672	1.658	1.622	1.576	1.534	1.505	1.496	139.057
142.072	1.672	1.658	1.622	1.576	1.534	1.505	1.496	144.402
147.544	1.672	1.659	1.622	1.576	1.534	1.506	1.496	149.943
153.217	1.672	1.659	1.622	1.576	1.534	1.506	1.496	155.687
159.099	1.672	1.659	1.622	1.576	1.534	1.506	1.496	161.641
165.196	1.672	1.659	1.622	1.576	1.534	1.506	1.496	167.815
171.517	1.672	1.659	1.622	1.576	1.534	1.506	1.496	174.215
178.070	1.672	1.659	1.623	1.577	1.534	1.506	1.496	180.850
184.864	1.672	1.659	1.623	1.577	1.534	1.506	1.496	187.728
191.908	1.673	1.659	1.623	1.577	1.534	1.506	1.496	194.860
202.963	1.673	1.659	1.623	1.577	1.534	1.506	1.496	206.052

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	2.925	2.900	2.835	2.747	2.662	2.601	2.579	1.414
.949	2.867	2.843	2.777	2.689	2.604	2.543	2.521	1.521
1.010	2.873	2.849	2.784	2.698	2.613	2.553	2.531	1.582
1.145	2.828	2.805	2.742	2.658	2.577	2.519	2.498	1.719
1.302	2.763	2.740	2.679	2.597	2.518	2.462	2.442	1.877
1.481	2.688	2.666	2.607	2.528	2.452	2.398	2.378	2.059
1.799	2.558	2.537	2.482	2.408	2.337	2.287	2.268	2.381
2.046	2.467	2.447	2.393	2.323	2.255	2.207	2.189	2.631
2.321	2.368	2.349	2.298	2.231	2.167	2.122	2.106	2.909
2.624	2.280	2.262	2.212	2.147	2.085	2.042	2.027	3.217
2.955	2.203	2.185	2.136	2.072	2.012	1.970	1.955	3.552
3.313	2.134	2.116	2.068	2.005	1.947	1.906	1.891	3.914
3.904	2.048	2.031	1.983	1.921	1.863	1.823	1.809	4.512
4.334	2.004	1.987	1.938	1.876	1.818	1.778	1.764	4.948
4.793	1.970	1.952	1.902	1.839	1.781	1.740	1.727	5.412
5.281	1.944	1.925	1.875	1.811	1.751	1.711	1.697	5.906
5.798	1.925	1.907	1.855	1.790	1.729	1.688	1.674	6.430
6.630	1.911	1.891	1.837	1.770	1.707	1.665	1.650	7.273
7.222	1.908	1.888	1.833	1.763	1.699	1.656	1.641	7.872
7.844	1.910	1.889	1.833	1.761	1.696	1.651	1.636	8.502
8.497	1.916	1.895	1.836	1.763	1.696	1.651	1.635	9.163
9.181	1.926	1.904	1.844	1.768	1.700	1.653	1.637	9.855
9.896	1.938	1.915	1.854	1.776	1.706	1.658	1.642	10.579
11.031	1.960	1.937	1.872	1.792	1.719	1.670	1.653	11.728
11.830	1.977	1.953	1.887	1.805	1.730	1.680	1.663	12.537
12.654	1.995	1.970	1.902	1.819	1.742	1.691	1.673	13.381
13.534	2.013	1.987	1.918	1.833	1.755	1.703	1.685	14.263
14.443	2.031	2.005	1.935	1.848	1.769	1.715	1.697	15.183
15.870	2.057	2.031	1.959	1.870	1.789	1.735	1.716	16.628
16.860	2.074	2.047	1.975	1.885	1.802	1.748	1.729	17.629
17.879	2.090	2.063	1.990	1.899	1.815	1.760	1.741	18.662
18.930	2.105	2.078	2.004	1.912	1.828	1.772	1.753	19.725
20.011	2.119	2.092	2.017	1.924	1.840	1.783	1.764	20.820
21.123	2.132	2.104	2.030	1.936	1.851	1.794	1.775	21.945
22.848	2.150	2.122	2.046	1.952	1.866	1.809	1.790	23.693
24.037	2.161	2.132	2.056	1.962	1.875	1.818	1.799	24.897
25.258	2.170	2.142	2.066	1.971	1.884	1.826	1.807	26.133
26.511	2.179	2.150	2.074	1.979	1.892	1.834	1.815	27.401
27.796	2.187	2.158	2.082	1.986	1.899	1.841	1.822	28.702
29.784	2.198	2.169	2.093	1.997	1.909	1.851	1.831	30.715
31.151	2.204	2.176	2.099	2.003	1.915	1.857	1.837	32.099
32.551	2.210	2.181	2.105	2.008	1.920	1.862	1.842	33.517
33.986	2.216	2.187	2.110	2.014	1.925	1.867	1.847	34.969
35.456	2.221	2.192	2.115	2.018	1.930	1.871	1.851	36.457
36.961	2.225	2.196	2.120	2.023	1.934	1.875	1.855	37.982

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.288	2.231	2.202	2.126	2.029	1.940	1.881	1.861	40.337
40.887	2.235	2.206	2.129	2.032	1.943	1.884	1.864	41.956
42.525	2.238	2.209	2.133	2.036	1.947	1.887	1.867	43.614
44.203	2.241	2.213	2.136	2.039	1.950	1.890	1.870	45.314
45.924	2.244	2.215	2.139	2.042	1.952	1.893	1.873	47.056
47.688	2.247	2.218	2.141	2.044	1.955	1.895	1.875	48.842
50.421	2.250	2.221	2.145	2.048	1.959	1.899	1.879	51.609
52.304	2.252	2.223	2.147	2.050	1.961	1.901	1.881	53.515
54.238	2.254	2.225	2.149	2.052	1.963	1.903	1.883	55.473
56.225	2.255	2.227	2.151	2.054	1.965	1.905	1.884	57.485
58.267	2.257	2.228	2.152	2.056	1.966	1.906	1.886	59.553
61.442	2.258	2.230	2.155	2.058	1.969	1.909	1.888	62.767
63.635	2.259	2.231	2.156	2.059	1.970	1.910	1.890	64.987
65.892	2.260	2.232	2.157	2.060	1.971	1.911	1.891	67.273
68.216	2.261	2.233	2.158	2.062	1.973	1.913	1.892	69.626
70.610	2.261	2.234	2.159	2.063	1.974	1.914	1.893	72.050
73.076	2.262	2.234	2.159	2.064	1.975	1.915	1.894	74.547
76.916	2.263	2.235	2.160	2.065	1.976	1.916	1.896	78.434
79.573	2.263	2.235	2.161	2.065	1.977	1.917	1.897	81.124
82.311	2.263	2.236	2.161	2.066	1.978	1.918	1.897	83.897
85.133	2.264	2.236	2.162	2.067	1.978	1.919	1.898	86.754
88.042	2.264	2.236	2.162	2.067	1.979	1.919	1.899	89.700
92.575	2.264	2.237	2.163	2.068	1.979	1.920	1.899	94.288
95.713	2.265	2.237	2.163	2.068	1.980	1.920	1.900	97.466
98.949	2.265	2.237	2.163	2.068	1.980	1.921	1.900	100.742
102.285	2.265	2.238	2.164	2.069	1.981	1.921	1.901	104.120
105.725	2.265	2.238	2.164	2.069	1.981	1.921	1.901	107.602
109.271	2.266	2.238	2.164	2.069	1.981	1.922	1.901	111.193
114.800	2.266	2.238	2.165	2.070	1.982	1.922	1.902	116.790
118.629	2.266	2.238	2.165	2.070	1.982	1.922	1.902	120.668
122.579	2.266	2.239	2.165	2.070	1.982	1.923	1.902	124.666
126.652	2.266	2.239	2.165	2.070	1.982	1.923	1.902	128.790
130.853	2.266	2.239	2.165	2.071	1.983	1.923	1.902	133.043
137.402	2.267	2.239	2.165	2.071	1.983	1.923	1.903	139.674
141.940	2.267	2.239	2.166	2.071	1.983	1.923	1.903	144.269
146.621	2.267	2.239	2.166	2.071	1.983	1.924	1.903	149.008
151.449	2.267	2.239	2.166	2.071	1.984	1.924	1.903	153.896
156.428	2.267	2.239	2.166	2.071	1.984	1.924	1.903	158.938
161.565	2.267	2.239	2.166	2.072	1.984	1.924	1.903	164.138
169.574	2.267	2.240	2.166	2.072	1.984	1.924	1.904	172.248
175.125	2.267	2.240	2.166	2.072	1.984	1.924	1.904	177.868
180.850	2.267	2.240	2.166	2.072	1.984	1.925	1.904	183.664
186.756	2.267	2.240	2.166	2.072	1.984	1.925	1.904	189.644
192.848	2.267	2.240	2.166	2.072	1.984	1.925	1.904	195.812
202.349	2.267	2.240	2.166	2.072	1.984	1.925	1.904	205.431

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	9.861	9.773	9.536	9.219	8.911	8.692	8.613	1.414
.940	9.568	9.481	9.246	8.934	8.630	8.414	8.336	1.512
1.071	9.340	9.257	9.035	8.739	8.452	8.247	8.173	1.643
1.309	8.778	8.701	8.493	8.217	7.949	7.759	7.690	1.885
1.592	8.153	8.082	7.891	7.638	7.394	7.220	7.158	2.171
1.919	7.509	7.443	7.269	7.038	6.816	6.660	6.603	2.503
2.295	6.872	6.813	6.653	6.443	6.243	6.103	6.053	2.883
2.721	6.297	6.242	6.093	5.898	5.715	5.587	5.541	3.315
3.199	5.787	5.735	5.594	5.412	5.241	5.123	5.081	3.798
3.727	5.349	5.299	5.162	4.987	4.824	4.712	4.673	4.333
4.306	4.986	4.936	4.801	4.629	4.470	4.361	4.323	4.920
4.934	4.693	4.643	4.507	4.335	4.177	4.069	4.032	5.555
5.608	4.462	4.411	4.272	4.098	3.938	3.830	3.793	6.237
6.324	4.284	4.231	4.088	3.909	3.746	3.636	3.599	6.963
7.081	4.150	4.095	3.947	3.762	3.594	3.482	3.443	7.729
7.873	4.054	3.996	3.842	3.650	3.476	3.360	3.320	8.531
8.698	3.989	3.928	3.766	3.566	3.386	3.265	3.224	9.366
9.552	3.951	3.887	3.716	3.507	3.318	3.193	3.150	10.231
10.432	3.936	3.868	3.688	3.467	3.270	3.139	3.095	11.122
11.336	3.940	3.868	3.678	3.445	3.238	3.102	3.055	12.037
12.262	3.961	3.884	3.683	3.438	3.221	3.077	3.029	12.975
13.207	3.996	3.914	3.702	3.443	3.215	3.065	3.014	13.931
14.170	4.043	3.957	3.732	3.459	3.219	3.062	3.009	14.907
15.150	4.100	4.009	3.772	3.485	3.232	3.067	3.012	15.898
16.145	4.166	4.069	3.820	3.518	3.253	3.080	3.022	16.906
17.154	4.238	4.137	3.875	3.558	3.280	3.099	3.038	17.928
18.177	4.316	4.209	3.935	3.603	3.312	3.124	3.060	18.964
19.214	4.397	4.286	4.000	3.653	3.349	3.153	3.086	20.013
20.263	4.481	4.365	4.067	3.706	3.390	3.185	3.116	21.075
21.323	4.566	4.446	4.137	3.762	3.434	3.221	3.149	22.149
22.396	4.651	4.527	4.208	3.820	3.479	3.259	3.185	23.235
23.480	4.735	4.608	4.279	3.878	3.527	3.299	3.222	24.332
24.576	4.818	4.687	4.350	3.938	3.575	3.341	3.261	25.442
25.682	4.898	4.764	4.420	3.997	3.625	3.383	3.302	26.562
26.801	4.974	4.838	4.487	4.055	3.674	3.426	3.342	27.694
27.930	5.048	4.910	4.553	4.112	3.722	3.469	3.383	28.838
29.073	5.117	4.977	4.616	4.168	3.770	3.512	3.424	29.995
30.228	5.182	5.041	4.676	4.221	3.817	3.554	3.465	31.165
31.398	5.244	5.102	4.733	4.273	3.863	3.596	3.505	32.349
32.584	5.301	5.158	4.787	4.322	3.908	3.636	3.544	33.550
33.788	5.354	5.211	4.838	4.370	3.950	3.676	3.583	34.769
35.013	5.404	5.260	4.886	4.415	3.991	3.714	3.620	36.009
36.262	5.449	5.306	4.931	4.457	4.031	3.751	3.656	37.274
37.539	5.490	5.348	4.974	4.498	4.069	3.787	3.691	38.567
38.848	5.527	5.386	5.013	4.537	4.105	3.821	3.725	39.891

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.739	5.549	5.409	5.038	4.561	4.128	3.843	3.747	40.794
41.110	5.578	5.441	5.073	4.596	4.162	3.876	3.779	42.183
42.526	5.601	5.467	5.105	4.630	4.194	3.907	3.809	43.615
43.990	5.620	5.489	5.133	4.661	4.225	3.936	3.839	45.098
45.509	5.632	5.506	5.158	4.690	4.254	3.965	3.867	46.636
47.088	5.640	5.517	5.178	4.717	4.282	3.992	3.894	48.235
48.734	5.643	5.524	5.195	4.741	4.308	4.018	3.920	49.901
50.452	5.642	5.526	5.206	4.762	4.333	4.043	3.945	51.641
52.250	5.639	5.525	5.214	4.781	4.357	4.067	3.969	53.461
54.135	5.635	5.522	5.217	4.795	4.377	4.089	3.992	55.369
56.114	5.629	5.518	5.217	4.806	4.395	4.110	4.013	57.373
58.194	5.624	5.513	5.215	4.814	4.412	4.129	4.033	59.479
60.385	5.619	5.508	5.211	4.817	4.425	4.147	4.051	61.697
62.696	5.614	5.504	5.208	4.818	4.436	4.162	4.068	64.037
65.136	5.610	5.499	5.204	4.817	4.443	4.175	4.082	66.507
67.686	5.606	5.496	5.201	4.815	4.447	4.186	4.095	69.090
70.348	5.603	5.493	5.198	4.813	4.449	4.193	4.104	71.785
73.130	5.600	5.490	5.195	4.811	4.449	4.198	4.111	74.602
76.018	5.597	5.487	5.193	4.809	4.447	4.200	4.115	77.525
79.008	5.595	5.485	5.191	4.807	4.446	4.200	4.116	80.553
82.106	5.594	5.483	5.189	4.806	4.444	4.199	4.116	83.689
85.314	5.592	5.482	5.188	4.805	4.443	4.197	4.114	86.937
88.638	5.591	5.481	5.186	4.804	4.443	4.196	4.113	90.303
92.081	5.591	5.480	5.185	4.803	4.442	4.195	4.111	93.788
95.647	5.591	5.480	5.184	4.802	4.441	4.194	4.109	97.399
99.342	5.591	5.480	5.184	4.801	4.441	4.193	4.108	101.140
103.168	5.592	5.480	5.183	4.801	4.441	4.192	4.107	105.014
107.132	5.593	5.481	5.183	4.800	4.440	4.192	4.106	109.027
111.238	5.594	5.481	5.184	4.800	4.440	4.192	4.106	113.184
115.490	5.595	5.482	5.184	4.800	4.440	4.192	4.106	117.489
119.895	5.595	5.483	5.184	4.800	4.440	4.192	4.105	121.949
124.457	5.596	5.484	5.185	4.800	4.440	4.191	4.105	126.568
129.183	5.597	5.484	5.186	4.800	4.440	4.191	4.105	131.353
134.078	5.598	5.485	5.186	4.800	4.440	4.191	4.105	136.309
139.148	5.598	5.486	5.187	4.801	4.440	4.191	4.105	141.442
144.400	5.599	5.486	5.187	4.801	4.440	4.191	4.105	146.760
149.840	5.600	5.487	5.188	4.802	4.440	4.191	4.105	152.267
155.475	5.600	5.487	5.188	4.802	4.441	4.192	4.105	157.973
161.312	5.601	5.488	5.188	4.802	4.441	4.192	4.105	163.882
167.358	5.601	5.488	5.189	4.803	4.441	4.192	4.105	170.004
173.621	5.602	5.489	5.189	4.803	4.442	4.193	4.105	176.345
180.109	5.602	5.489	5.189	4.803	4.442	4.193	4.105	182.914
186.831	5.602	5.489	5.190	4.804	4.443	4.193	4.106	189.719
193.793	5.603	5.490	5.190	4.804	4.443	4.194	4.106	196.769
201.007	5.603	5.490	5.190	4.804	4.443	4.194	4.107	204.072

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.844	21.412	21.219	20.695	19.997	19.320	18.838	18.664	1.414
.997	20.557	20.371	19.870	19.202	18.553	18.090	17.923	1.569
1.216	19.331	19.158	18.693	18.074	17.474	17.048	16.894	1.790
1.572	17.451	17.296	16.883	16.333	15.803	15.428	15.292	2.152
2.008	15.502	15.364	15.000	14.517	14.055	13.731	13.613	2.592
2.526	13.648	13.527	13.203	12.779	12.378	12.098	11.998	3.117
3.131	12.053	11.945	11.649	11.267	10.909	10.660	10.572	3.730
3.822	10.724	10.621	10.342	9.985	9.654	9.427	9.347	4.429
4.595	9.676	9.576	9.301	8.955	8.635	8.418	8.343	5.212
5.444	8.877	8.775	8.499	8.152	7.835	7.621	7.547	6.072
6.362	8.283	8.177	7.894	7.540	7.218	7.002	6.928	7.001
7.338	7.852	7.741	7.446	7.079	6.748	6.527	6.451	7.989
8.363	7.550	7.433	7.121	6.738	6.393	6.164	6.086	9.027
9.159	7.391	7.268	6.943	6.544	6.187	5.951	5.870	9.832
10.248	7.254	7.122	6.775	6.352	5.976	5.729	5.645	10.936
11.365	7.187	7.045	6.673	6.223	5.825	5.564	5.476	12.066
12.502	7.178	7.024	6.625	6.143	5.721	5.446	5.353	13.218
13.655	7.215	7.050	6.621	6.105	5.656	5.365	5.267	14.385
14.818	7.292	7.113	6.652	6.101	5.623	5.315	5.211	15.563
15.988	7.401	7.208	6.714	6.125	5.616	5.290	5.180	16.747
17.161	7.536	7.329	6.800	6.171	5.631	5.285	5.169	17.934
18.333	7.694	7.472	6.907	6.237	5.663	5.298	5.175	19.121
19.501	7.872	7.634	7.031	6.318	5.711	5.325	5.196	20.304
20.664	8.067	7.812	7.170	6.413	5.770	5.363	5.228	21.481
21.819	8.276	8.005	7.322	6.519	5.840	5.412	5.269	22.651
22.965	8.496	8.208	7.485	6.635	5.919	5.469	5.320	23.811
23.848	8.666	8.366	7.613	6.728	5.984	5.517	5.362	24.675
24.946	8.897	8.581	7.789	6.857	6.075	5.586	5.424	25.817
26.064	9.130	8.799	7.970	6.992	6.172	5.660	5.490	26.949
27.172	9.361	9.017	8.153	7.131	6.274	5.739	5.562	28.071
28.271	9.588	9.233	8.337	7.273	6.379	5.822	5.637	29.183
29.362	9.809	9.444	8.520	7.416	6.487	5.907	5.716	30.288
30.447	10.021	9.648	8.700	7.561	6.597	5.996	5.797	31.387
31.528	10.223	9.845	8.876	7.704	6.709	6.086	5.881	32.481
32.607	10.414	10.031	9.047	7.847	6.821	6.179	5.966	33.574
33.687	10.591	10.208	9.213	7.987	6.934	6.272	6.053	34.667
34.770	10.755	10.372	9.371	8.125	7.047	6.367	6.142	35.763
35.860	10.902	10.523	9.522	8.260	7.159	6.462	6.231	36.867
36.959	11.033	10.660	9.665	8.391	7.270	6.558	6.321	37.980
37.792	11.119	10.752	9.765	8.487	7.353	6.630	6.389	38.823
38.916	11.218	10.862	9.891	8.611	7.462	6.726	6.480	39.961
40.060	11.298	10.954	10.005	8.730	7.570	6.822	6.572	41.119
41.227	11.359	11.029	10.107	8.843	7.676	6.917	6.663	42.300
42.421	11.401	11.086	10.196	8.950	7.779	7.012	6.755	43.509
43.646	11.426	11.126	10.271	9.050	7.880	7.106	6.846	44.750

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
44.908	11.436	11.150	10.331	9.142	7.977	7.199	6.936	46.027
46.211	11.431	11.159	10.376	9.224	8.071	7.291	7.026	47.346
47.559	11.416	11.154	10.407	9.296	8.160	7.381	7.115	48.712
48.957	11.391	11.139	10.423	9.357	8.244	7.468	7.202	50.127
50.409	11.360	11.115	10.427	9.406	8.321	7.553	7.287	51.597
51.917	11.324	11.085	10.419	9.442	8.391	7.633	7.369	53.124
53.086	11.296	11.060	10.408	9.461	8.437	7.690	7.429	54.308
54.701	11.257	11.024	10.386	9.476	8.491	7.761	7.504	55.942
56.373	11.219	10.988	10.360	9.479	8.535	7.825	7.573	57.635
58.108	11.184	10.952	10.330	9.474	8.567	7.881	7.635	59.392
59.902	11.152	10.919	10.299	9.461	8.589	7.928	7.691	61.209
61.752	11.124	10.889	10.269	9.444	8.601	7.966	7.737	63.081
63.649	11.100	10.864	10.240	9.423	8.605	7.994	7.774	65.002
65.590	11.081	10.842	10.214	9.400	8.601	8.013	7.802	66.967
67.579	11.065	10.824	10.191	9.377	8.591	8.023	7.821	68.981
69.623	11.053	10.809	10.171	9.355	8.578	8.026	7.832	71.050
71.728	11.044	10.798	10.154	9.334	8.562	8.022	7.836	73.181
73.901	11.038	10.790	10.140	9.315	8.545	8.014	7.833	75.382
76.152	11.034	10.784	10.128	9.297	8.528	8.002	7.825	77.661
77.895	11.033	10.782	10.122	9.286	8.515	7.991	7.817	79.425
80.301	11.034	10.780	10.115	9.273	8.498	7.976	7.803	81.861
82.810	11.035	10.780	10.110	9.262	8.482	7.959	7.787	84.401
85.433	11.038	10.782	10.108	9.253	8.468	7.943	7.770	87.057
88.182	11.042	10.785	10.107	9.246	8.456	7.927	7.753	89.841
91.072	11.047	10.789	10.108	9.241	8.445	7.912	7.737	92.767
94.118	11.052	10.794	10.110	9.237	8.436	7.899	7.721	95.851
97.337	11.057	10.798	10.113	9.236	8.429	7.887	7.707	99.110
100.747	11.063	10.803	10.117	9.236	8.424	7.877	7.694	102.563
104.369	11.068	10.808	10.121	9.237	8.420	7.868	7.683	106.230
108.225	11.072	10.813	10.126	9.239	8.418	7.861	7.674	110.133
112.338	11.077	10.818	10.130	9.243	8.417	7.856	7.667	114.298
116.736	11.080	10.822	10.134	9.246	8.418	7.853	7.661	118.751
120.238	11.083	10.824	10.137	9.249	8.419	7.852	7.658	122.296
125.203	11.085	10.827	10.141	9.253	8.422	7.851	7.655	127.323
130.537	11.087	10.829	10.144	9.257	8.425	7.852	7.654	132.724
136.275	11.089	10.831	10.147	9.260	8.429	7.854	7.655	138.533
142.350	11.090	10.832	10.149	9.264	8.432	7.857	7.657	144.684
148.681	11.091	10.834	10.150	9.266	8.436	7.861	7.660	151.094
155.277	11.092	10.835	10.152	9.269	8.440	7.865	7.663	157.773
162.152	11.092	10.835	10.153	9.271	8.443	7.868	7.667	164.733
169.317	11.093	10.836	10.153	9.272	8.445	7.872	7.670	171.987
176.785	11.093	10.836	10.154	9.273	8.448	7.875	7.674	179.548
184.569	11.094	10.837	10.154	9.274	8.449	7.878	7.677	187.429
192.682	11.094	10.837	10.154	9.274	8.451	7.880	7.679	195.644
201.140	11.095	10.837	10.154	9.274	8.452	7.882	7.682	204.207

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	37.581	37.240	36.316	35.085	33.891	33.041	32.734	1.414
1.063	35.364	35.046	34.188	33.046	31.939	31.150	30.864	1.636
1.380	32.195	31.907	31.134	30.106	29.112	28.406	28.151	1.956
1.881	27.856	27.608	26.950	26.077	25.240	24.651	24.437	2.464
2.373	24.479	24.264	23.684	22.923	22.200	21.695	21.514	2.962
3.106	20.846	20.657	20.145	19.483	18.861	18.431	18.278	3.705
3.971	17.936	17.761	17.285	16.679	16.117	15.734	15.599	4.580
4.958	15.774	15.602	15.135	14.547	14.008	13.643	13.517	5.579
5.827	14.499	14.324	13.852	13.261	12.724	12.362	12.237	6.459
6.996	13.351	13.168	12.677	12.069	11.519	11.151	11.025	7.643
8.240	12.578	12.383	11.864	11.225	10.652	10.271	10.141	8.902
9.277	12.165	11.957	11.409	10.737	10.140	9.745	9.610	9.952
10.611	11.846	11.619	11.026	10.306	9.671	9.254	9.112	11.302
11.974	11.698	11.450	10.805	10.028	9.348	8.904	8.754	12.683
13.357	11.683	11.411	10.798	9.866	9.135	8.662	8.502	14.083
14.469	11.746	11.453	10.700	9.803	9.027	8.528	8.360	15.209
15.860	11.900	11.579	10.760	9.789	8.955	8.421	8.242	16.617
17.244	12.122	11.772	10.882	9.832	8.937	8.367	8.176	18.019
18.343	12.343	11.967	11.017	9.901	8.954	8.354	8.154	19.132
19.701	12.669	12.258	11.225	10.021	9.007	8.368	8.156	20.506
21.037	13.044	12.595	11.474	10.175	9.090	8.410	8.185	21.859
22.349	13.462	12.973	11.758	10.357	9.197	8.475	8.236	23.187
23.379	13.822	13.300	12.008	10.522	9.298	8.540	8.290	24.230
24.643	14.296	13.733	12.343	10.747	9.441	8.637	8.373	25.510
25.880	14.787	14.186	12.699	10.992	9.600	8.749	8.469	26.762
26.851	15.187	14.557	12.994	11.199	9.738	8.847	8.555	27.745
28.043	15.689	15.024	13.374	11.470	9.921	8.979	8.672	28.952
29.213	16.184	15.490	13.759	11.750	10.114	9.122	8.799	30.137
30.364	16.666	15.948	14.146	12.038	10.316	9.273	8.933	31.302
31.273	17.037	16.305	14.454	12.272	10.483	9.399	9.047	32.222
32.397	17.479	16.734	14.833	12.566	10.697	9.563	9.194	33.361
33.512	17.890	17.140	15.204	12.862	10.916	9.733	9.348	34.489
34.620	18.266	17.517	15.562	13.157	11.139	9.908	9.508	35.611
35.504	18.538	17.797	15.837	13.391	11.320	10.052	9.639	36.507
36.611	18.841	18.114	16.164	13.681	11.548	10.235	9.807	37.627
37.721	19.099	18.394	16.470	13.964	11.778	10.423	9.980	38.751
38.616	19.272	18.589	16.698	14.185	11.962	10.575	10.121	39.657
39.745	19.446	18.794	16.958	14.453	12.192	10.769	10.301	40.800
40.891	19.575	18.957	17.190	14.710	12.422	10.966	10.485	41.960
42.057	19.660	19.078	17.389	14.954	12.650	11.165	10.672	43.141
43.009	19.697	19.145	17.525	15.137	12.830	11.325	10.825	44.105
44.227	19.710	19.193	17.663	15.350	13.051	11.528	11.018	45.338
45.480	19.688	19.204	17.765	15.542	13.267	11.731	11.213	46.606
46.510	19.648	19.189	17.822	15.679	13.433	11.892	11.370	47.649
47.835	19.577	19.145	17.862	15.827	13.631	12.093	11.567	48.991

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
49.207	19.486	19.075	17.869	15.947	13.817	12.289	11.762	50.380
50.621	19.381	18.988	17.847	16.038	13.985	12.479	11.953	51.812
51.788	19.292	18.908	17.811	16.088	14.106	12.624	12.102	52.993
53.294	19.180	18.802	17.748	16.125	14.239	12.795	12.281	54.518
54.844	19.071	18.694	17.668	16.135	14.347	12.951	12.448	56.087
56.118	18.989	18.611	17.598	16.125	14.416	13.064	12.573	57.377
57.761	18.896	18.512	17.504	16.093	14.480	13.188	12.714	59.040
59.448	18.816	18.425	17.410	16.044	14.519	13.291	12.838	60.749
61.179	18.749	18.349	17.321	15.982	14.535	13.373	12.941	62.501
62.597	18.705	18.297	17.254	15.926	14.533	13.422	13.009	63.937
64.401	18.662	18.245	17.180	15.854	14.515	13.464	13.074	65.764
66.242	18.630	18.205	17.117	15.781	14.482	13.486	13.118	67.628
67.740	18.613	18.180	17.074	15.724	14.448	13.490	13.139	69.144
69.646	18.599	18.159	17.030	15.659	14.399	13.480	13.150	71.074
71.596	18.593	18.146	16.995	15.599	14.344	13.458	13.144	73.048
73.596	18.592	18.140	16.970	15.547	14.288	13.424	13.125	75.073
75.237	18.594	18.139	16.956	15.511	14.243	13.391	13.101	76.734
77.344	18.601	18.142	16.945	15.473	14.188	13.344	13.063	78.868
79.521	18.611	18.149	16.939	15.442	14.137	13.294	13.019	81.072
81.777	18.623	18.158	16.939	15.419	14.090	13.242	12.969	83.356
83.643	18.634	18.167	16.941	15.405	14.057	13.200	12.928	85.246
86.063	18.649	18.180	16.947	15.393	14.021	13.150	12.875	87.695
88.588	18.664	18.195	16.956	15.387	13.990	13.102	12.823	90.251
90.692	18.677	18.207	16.965	15.385	13.970	13.067	12.783	92.382
93.438	18.693	18.222	16.977	15.386	13.951	13.028	12.737	95.162
96.326	18.708	18.238	16.990	15.391	13.937	12.994	12.695	98.086
99.373	18.722	18.252	17.004	15.399	13.929	12.966	12.658	101.171
101.936	18.732	18.263	17.016	15.407	13.925	12.948	12.632	103.766
105.313	18.743	18.275	17.030	15.418	13.925	12.931	12.606	107.186
108.904	18.752	18.285	17.043	15.430	13.929	12.919	12.586	110.821
111.946	18.758	18.292	17.053	15.440	13.934	12.914	12.575	113.901
115.982	18.763	18.299	17.063	15.453	13.943	12.912	12.565	117.987
120.305	18.767	18.304	17.072	15.466	13.954	12.915	12.562	122.364
124.945	18.770	18.308	17.079	15.478	13.966	12.921	12.563	127.062
128.911	18.770	18.309	17.083	15.486	13.976	12.928	12.567	131.077
134.216	18.771	18.310	17.086	15.495	13.989	12.939	12.574	136.449
139.948	18.770	18.310	17.088	15.503	14.001	12.952	12.585	142.252
144.873	18.769	18.309	17.089	15.507	14.010	12.963	12.595	147.238
151.496	18.767	18.307	17.088	15.511	14.020	12.976	12.609	153.944
158.692	18.765	18.305	17.087	15.512	14.029	12.990	12.623	161.229
166.524	18.763	18.303	17.085	15.513	14.035	13.002	12.637	169.160
173.296	18.762	18.302	17.084	15.512	14.038	13.010	12.647	176.016
182.277	18.762	18.301	17.082	15.511	14.041	13.018	12.657	185.109
191.706	18.763	18.302	17.081	15.510	14.043	13.025	12.666	194.656
201.606	18.764	18.303	17.081	15.510	14.043	13.029	12.672	204.679

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	58.368	57.834	56.398	54.488	52.634	51.305	50.826	1.414
1.134	53.705	53.220	51.917	50.181	48.500	47.305	46.874	1.708
1.467	48.577	48.142	46.978	45.430	43.937	42.879	42.495	2.045
1.991	41.778	41.406	40.417	39.110	37.858	36.976	36.656	2.576
2.788	34.303	33.995	33.165	32.088	31.070	30.362	30.109	3.382
3.595	29.268	28.993	28.244	27.286	26.394	25.781	25.565	4.199
4.528	25.409	25.145	24.428	23.521	22.686	22.119	21.922	5.144
5.795	22.150	21.882	21.162	20.261	19.442	18.891	18.701	6.427
6.953	20.312	20.034	19.288	18.363	17.528	16.970	16.779	7.599
8.183	19.057	18.761	17.975	17.007	16.141	15.565	15.368	8.844
9.466	18.236	17.917	17.076	16.050	15.138	14.537	14.332	10.144
11.055	17.676	17.322	16.400	15.284	14.304	13.663	13.445	11.752
12.403	17.476	17.089	16.087	14.883	13.835	13.154	12.924	13.118
13.753	17.459	17.036	15.946	14.645	13.520	12.795	12.550	14.494
15.395	17.621	17.150	15.947	14.520	13.297	12.513	12.250	16.146
16.746	17.875	17.362	16.057	14.519	13.209	12.374	12.095	17.514
18.081	18.222	17.661	16.246	14.590	13.189	12.302	12.005	18.866
19.395	18.655	18.041	16.505	14.720	13.223	12.281	11.967	20.197
20.938	19.280	18.595	16.896	14.942	13.321	12.311	11.976	21.759
22.192	19.878	19.130	17.284	15.176	13.444	12.372	12.018	23.029
23.416	20.536	19.722	17.722	15.449	13.598	12.462	12.088	24.268
24.844	21.386	20.493	18.302	15.822	13.819	12.601	12.203	25.713
26.000	22.131	21.173	18.823	16.165	14.031	12.741	12.320	26.884
27.128	22.896	21.876	19.370	16.533	14.263	12.898	12.455	28.026
28.446	23.821	22.734	20.052	17.002	14.567	13.109	12.637	29.360
29.518	24.586	23.450	20.633	17.411	14.836	13.300	12.804	30.446
30.569	25.373	24.157	21.219	17.833	15.120	13.504	12.983	31.510
31.601	26.053	24.846	21.806	18.264	15.415	13.719	13.173	32.555
32.820	26.868	25.639	22.502	18.790	15.783	13.991	13.414	33.789
33.822	27.498	26.262	23.069	19.233	16.099	14.228	13.625	34.803
34.815	28.076	26.844	23.620	19.677	16.422	14.473	13.845	35.809
35.999	28.692	27.481	24.253	20.208	16.818	14.778	14.120	37.008
36.984	29.137	27.955	24.751	20.646	17.154	15.040	14.357	38.004
37.969	29.517	28.374	25.219	21.078	17.495	15.310	14.603	39.001
38.958	29.831	28.734	25.652	21.500	17.838	15.586	14.855	40.003
40.155	30.119	29.086	26.121	21.991	18.254	15.926	15.168	41.215
41.165	30.288	29.314	26.465	22.384	18.601	16.216	15.437	42.238
42.190	30.395	29.481	26.765	22.758	18.947	16.512	15.712	43.276
43.446	30.445	29.604	27.062	23.179	19.360	16.874	16.052	44.548
44.519	30.426	29.644	27.255	23.502	19.700	17.181	16.342	45.633
45.618	30.358	29.632	27.397	23.795	20.032	17.490	16.637	46.746
46.745	30.247	29.572	27.488	24.056	20.353	17.800	16.937	47.887
48.140	30.067	29.444	27.532	24.320	20.720	18.170	17.298	49.299
49.334	29.891	29.301	27.516	24.495	21.005	18.473	17.598	50.509
50.560	29.699	29.133	27.458	24.629	21.268	18.767	17.894	51.750

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
52.080	29.461	28.911	27.339	24.733	21.548	19.106	18.242	53.289
53.382	29.266	28.720	27.208	24.773	21.749	19.371	18.519	54.607
54.713	29.083	28.533	27.057	24.773	21.916	19.615	18.781	55.955
56.356	28.883	28.322	26.859	24.725	22.071	19.879	19.072	57.618
57.769	28.736	28.161	26.690	24.651	22.162	20.071	19.292	59.048
59.210	28.611	28.019	26.525	24.552	22.217	20.234	19.487	60.508
60.679	28.508	27.898	26.370	24.435	22.239	20.366	19.655	61.995
62.485	28.412	27.779	26.201	24.280	22.225	20.485	19.819	63.823
64.023	28.353	27.703	26.079	24.146	22.184	20.549	19.924	65.381
65.583	28.313	27.646	25.974	24.013	22.121	20.584	19.998	66.961
67.491	28.283	27.599	25.872	23.863	22.023	20.591	20.049	68.891
69.107	28.272	27.575	25.807	23.748	21.928	20.569	20.062	70.528
70.749	28.271	27.564	25.757	23.644	21.827	20.527	20.052	72.191
72.423	28.277	27.561	25.721	23.553	21.723	20.467	20.020	73.886
74.478	28.292	27.568	25.695	23.460	21.599	20.378	19.957	75.966
76.234	28.309	27.580	25.684	23.398	21.500	20.293	19.888	77.744
78.034	28.331	27.597	25.681	23.348	21.406	20.201	19.808	79.567
80.259	28.360	27.621	25.686	23.303	21.304	20.086	19.702	81.819
82.174	28.386	27.644	25.697	23.277	21.228	19.991	19.608	83.757
84.148	28.414	27.670	25.712	23.261	21.162	19.898	19.512	85.756
86.188	28.442	27.697	25.731	23.253	21.107	19.810	19.416	87.822
88.731	28.476	27.730	25.756	23.253	21.053	19.712	19.306	90.397
90.938	28.503	27.758	25.780	23.259	21.019	19.638	19.220	92.632
93.233	28.529	27.785	25.805	23.269	20.994	19.574	19.141	94.955
96.114	28.558	27.815	25.837	23.287	20.976	19.508	19.056	97.871
98.631	28.578	27.838	25.863	23.306	20.969	19.465	18.996	100.420
101.265	28.596	27.859	25.888	23.327	20.969	19.431	18.945	103.087
104.596	28.614	27.880	25.917	23.354	20.976	19.402	18.897	106.459
107.528	28.625	27.894	25.938	23.378	20.987	19.388	18.867	109.428
110.618	28.634	27.904	25.957	23.403	21.003	19.381	18.847	112.557
113.881	28.639	27.912	25.973	23.427	21.021	19.382	18.835	115.860
118.048	28.643	27.919	25.987	23.454	21.047	19.391	18.832	120.079
121.753	28.645	27.921	25.996	23.474	21.070	19.405	18.836	123.830
125.693	28.645	27.922	26.002	23.492	21.094	19.422	18.847	127.819
130.763	28.643	27.921	26.005	23.509	21.123	19.448	18.866	132.953
135.305	28.640	27.919	26.006	23.519	21.146	19.472	18.887	137.551
140.167	28.636	27.916	26.005	23.526	21.167	19.498	18.911	142.474
145.381	28.632	27.912	26.003	23.531	21.185	19.524	18.937	147.753
152.158	28.627	27.907	25.999	23.533	21.202	19.554	18.969	154.614
158.285	28.624	27.903	25.995	23.533	21.213	19.578	18.995	160.818
164.901	28.621	27.899	25.991	23.531	21.220	19.598	19.020	167.516
173.558	28.618	27.896	25.986	23.527	21.225	19.617	19.046	176.281
181.441	28.618	27.895	25.982	23.523	21.226	19.629	19.063	184.262
190.001	28.618	27.894	25.979	23.519	21.225	19.637	19.076	192.929
201.257	28.619	27.895	25.977	23.513	21.222	19.642	19.086	204.325

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	83.775	83.010	80.951	78.203	75.528	73.621	72.934	1.414
1.133	77.042	76.345	74.473	71.980	69.568	67.853	67.232	1.707
1.561	67.687	67.082	65.465	63.317	61.247	59.779	59.246	2.140
2.232	56.026	55.530	54.205	52.456	50.790	49.623	49.202	2.820
2.933	47.500	47.071	45.913	44.411	42.997	42.016	41.666	3.529
3.944	39.381	38.997	37.953	36.625	35.394	34.553	34.259	4.553
5.128	33.631	33.255	32.239	30.962	29.794	29.005	28.732	5.752
6.228	30.315	29.930	28.896	27.608	26.440	25.656	25.387	6.866
7.655	27.634	27.225	26.137	24.794	23.588	22.785	22.510	8.310
9.167	25.963	25.519	24.348	22.916	21.642	20.802	20.515	9.841
10.471	25.127	24.645	23.384	21.856	20.508	19.625	19.325	11.161
12.068	24.615	24.080	22.691	21.022	19.567	18.622	18.302	12.778
13.680	24.499	23.904	22.370	20.542	18.962	17.945	17.602	14.411
15.024	24.624	23.975	22.312	20.340	18.649	17.565	17.201	15.771
16.624	24.976	24.257	22.429	20.275	18.442	17.276	16.886	17.390
18.198	25.518	24.719	22.706	20.356	18.375	17.123	16.705	18.984
19.484	26.105	25.229	23.042	20.513	18.400	17.074	16.632	20.286
20.989	26.958	25.980	23.561	20.792	18.508	17.088	16.618	21.810
22.449	27.957	26.868	24.193	21.160	18.689	17.168	16.666	23.289
23.863	29.077	27.873	24.925	21.606	18.931	17.301	16.767	24.720
25.005	30.084	28.781	25.600	22.030	19.174	17.448	16.885	25.876
26.334	31.352	29.934	26.472	22.592	19.509	17.661	17.061	27.222
27.621	32.660	31.133	27.398	23.204	19.886	17.910	17.272	28.525
28.663	33.759	32.150	28.198	23.744	20.227	18.142	17.469	29.580
29.881	35.066	33.372	29.182	24.424	20.665	18.445	17.731	30.813
31.069	36.337	34.575	30.177	25.129	21.129	18.772	18.016	32.016
32.038	37.352	35.549	31.005	25.732	21.534	19.062	18.270	32.997
33.181	38.498	36.667	31.989	26.468	22.039	19.428	18.592	34.154
34.306	39.552	37.715	32.949	27.213	22.561	19.812	18.933	35.293
35.233	40.348	38.525	33.723	27.836	23.008	20.145	19.229	36.232
36.338	41.196	39.409	34.613	28.582	23.557	20.561	19.601	37.350
37.438	41.920	40.190	35.450	29.321	24.117	20.991	19.988	38.464
38.354	42.425	40.757	36.102	29.928	24.592	21.362	20.323	39.392
39.458	42.912	41.331	36.820	30.640	25.168	21.820	20.740	40.510
40.572	43.269	41.788	37.462	31.329	25.751	22.292	21.172	41.637
41.510	43.470	42.077	37.934	31.881	26.239	22.697	21.544	42.588
42.655	43.599	42.317	38.419	32.511	26.825	23.193	22.005	43.746
43.824	43.611	42.441	38.810	33.100	27.408	23.702	22.481	44.930
45.023	43.517	42.453	39.103	33.638	27.983	24.221	22.970	46.143
46.046	43.366	42.385	39.270	34.042	28.452	24.658	23.387	47.179
47.307	43.113	42.218	39.377	34.466	28.995	25.185	23.896	48.456
48.603	42.801	41.974	39.385	34.816	29.509	25.708	24.407	49.768
49.708	42.513	41.727	39.321	35.046	29.909	26.136	24.832	50.888
51.072	42.151	41.396	39.169	35.244	30.348	26.636	25.335	52.268
52.478	41.789	41.045	38.948	35.358	30.736	27.115	25.827	53.692

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
53.674	41.502	40.756	38.726	35.388	31.013	27.488	26.220	54.903
55.142	41.185	40.423	38.430	35.353	31.286	27.902	26.665	56.389
56.652	40.903	40.116	38.118	35.247	31.491	28.273	27.077	57.918
57.945	40.699	39.886	37.859	35.112	31.609	28.545	27.391	59.227
59.524	40.497	39.649	37.563	34.910	31.686	28.819	27.724	60.826
61.135	40.340	39.456	37.292	34.678	31.697	29.034	28.003	62.457
62.507	40.240	39.327	37.090	34.471	31.661	29.168	28.195	63.846
64.188	40.156	39.210	36.880	34.220	31.569	29.272	28.372	65.547
65.894	40.105	39.129	36.708	33.978	31.434	29.318	28.489	67.275
67.630	40.080	39.080	36.574	33.751	31.269	29.310	28.551	69.032
69.099	40.076	39.059	36.489	33.580	31.116	29.266	28.561	70.520
70.890	40.087	39.053	36.416	33.398	30.922	29.176	28.529	72.334
72.717	40.111	39.063	36.370	33.243	30.726	29.052	28.454	74.183
74.269	40.139	39.081	36.349	33.135	30.566	28.929	28.364	75.755
76.174	40.179	39.113	36.341	33.030	30.383	28.765	28.229	77.683
78.129	40.225	39.151	36.348	32.951	30.213	28.589	28.072	79.662
79.801	40.265	39.188	36.364	32.904	30.085	28.439	27.930	81.355
81.864	40.317	39.235	36.391	32.866	29.948	28.261	27.752	83.444
83.995	40.370	39.286	36.426	32.846	29.832	28.088	27.571	85.602
85.827	40.413	39.329	36.460	32.842	29.752	27.952	27.423	87.457
88.101	40.464	39.380	36.504	32.849	29.675	27.802	27.252	89.759
90.463	40.513	39.430	36.551	32.867	29.618	27.668	27.093	92.150
92.505	40.551	39.471	36.591	32.889	29.585	27.570	26.971	94.218
95.053	40.592	39.515	36.640	32.922	29.562	27.471	26.842	96.797
97.716	40.626	39.555	36.688	32.959	29.553	27.392	26.731	99.494
100.032	40.651	39.584	36.727	32.994	29.557	27.341	26.654	101.839
102.939	40.675	39.614	36.769	33.038	29.571	27.298	26.580	104.782
105.998	40.692	39.636	36.807	33.084	29.595	27.272	26.527	107.879
109.226	40.703	39.652	36.840	33.129	29.626	27.263	26.492	111.147
112.057	40.709	39.662	36.862	33.166	29.656	27.266	26.476	114.014
115.643	40.713	39.668	36.882	33.207	29.697	27.282	26.471	117.644
119.454	40.713	39.671	36.895	33.244	29.741	27.308	26.481	121.503
122.821	40.711	39.670	36.902	33.271	29.779	27.336	26.498	124.911
127.114	40.707	39.667	36.906	33.297	29.824	27.376	26.528	129.258
131.714	40.701	39.662	36.905	33.316	29.866	27.420	26.566	133.915
135.807	40.695	39.657	36.903	33.326	29.899	27.460	26.602	138.060
141.066	40.687	39.649	36.897	33.333	29.934	27.509	26.649	143.384
146.747	40.680	39.641	36.891	33.335	29.962	27.557	26.699	149.135
151.840	40.675	39.635	36.884	33.333	29.979	27.595	26.741	154.293
158.435	40.669	39.628	36.876	33.329	29.994	27.636	26.789	160.970
165.620	40.665	39.623	36.868	33.323	30.001	27.669	26.833	168.244
172.113	40.663	39.620	36.862	33.317	30.003	27.691	26.864	174.818
180.583	40.662	39.618	36.856	33.308	30.002	27.709	26.893	183.394
189.885	40.662	39.617	36.852	33.300	29.997	27.719	26.914	192.812
200.127	40.664	39.618	36.850	33.293	29.990	27.722	26.925	203.181

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	1.835	1.822	1.784	1.734	1.685	1.650	1.637	1.396
.926	1.818	1.804	1.766	1.715	1.665	1.630	1.617	1.497
.981	1.840	1.826	1.788	1.737	1.687	1.651	1.638	1.553
1.100	1.851	1.837	1.799	1.748	1.699	1.664	1.651	1.674
1.235	1.843	1.829	1.792	1.742	1.693	1.659	1.646	1.811
1.385	1.830	1.816	1.779	1.730	1.682	1.648	1.635	1.964
1.553	1.813	1.799	1.763	1.715	1.668	1.634	1.622	2.134
1.838	1.781	1.767	1.732	1.685	1.640	1.608	1.596	2.424
2.053	1.756	1.743	1.709	1.663	1.619	1.588	1.576	2.642
2.288	1.724	1.712	1.678	1.634	1.592	1.563	1.552	2.881
2.545	1.698	1.686	1.652	1.609	1.568	1.539	1.529	3.141
2.823	1.677	1.665	1.632	1.589	1.548	1.519	1.509	3.424
3.124	1.661	1.649	1.615	1.572	1.531	1.503	1.492	3.729
3.618	1.640	1.628	1.595	1.552	1.512	1.483	1.473	4.231
3.978	1.630	1.618	1.585	1.542	1.502	1.474	1.464	4.596
4.361	1.624	1.611	1.578	1.535	1.495	1.467	1.457	4.985
4.769	1.620	1.608	1.574	1.531	1.490	1.462	1.453	5.399
5.202	1.620	1.608	1.573	1.529	1.488	1.460	1.451	5.839
5.660	1.622	1.609	1.574	1.530	1.489	1.460	1.451	6.304
6.143	1.626	1.613	1.578	1.533	1.491	1.463	1.453	6.795
6.918	1.635	1.622	1.586	1.540	1.498	1.469	1.459	7.582
7.467	1.642	1.629	1.592	1.546	1.503	1.474	1.464	8.140
8.044	1.650	1.636	1.599	1.553	1.510	1.480	1.471	8.725
8.648	1.658	1.645	1.607	1.560	1.517	1.487	1.477	9.338
9.279	1.667	1.653	1.615	1.568	1.524	1.495	1.485	9.980
9.939	1.675	1.662	1.624	1.576	1.532	1.502	1.492	10.650
10.983	1.688	1.674	1.636	1.587	1.543	1.513	1.503	11.710
11.716	1.696	1.682	1.643	1.595	1.550	1.520	1.510	12.454
12.478	1.704	1.690	1.651	1.602	1.557	1.527	1.517	13.228
13.271	1.712	1.697	1.658	1.609	1.564	1.533	1.523	14.033
14.095	1.719	1.704	1.665	1.615	1.570	1.539	1.529	14.870
14.950	1.725	1.711	1.671	1.621	1.576	1.545	1.535	15.738
16.294	1.734	1.719	1.680	1.630	1.584	1.553	1.543	17.102
17.230	1.739	1.725	1.685	1.635	1.589	1.558	1.548	18.053
18.201	1.744	1.730	1.690	1.640	1.594	1.563	1.552	19.039
19.206	1.749	1.734	1.694	1.644	1.598	1.567	1.556	20.059
20.246	1.753	1.738	1.698	1.648	1.602	1.571	1.560	21.115
21.322	1.757	1.742	1.702	1.651	1.605	1.574	1.564	22.208
22.434	1.760	1.745	1.705	1.655	1.608	1.577	1.567	23.337
24.173	1.765	1.750	1.710	1.659	1.613	1.582	1.571	25.103
25.381	1.768	1.753	1.713	1.662	1.616	1.584	1.574	26.330
26.628	1.771	1.756	1.715	1.665	1.618	1.587	1.576	27.596
27.917	1.773	1.758	1.718	1.667	1.620	1.589	1.578	28.904
29.247	1.775	1.760	1.720	1.669	1.622	1.591	1.580	30.255
30.619	1.777	1.762	1.722	1.671	1.624	1.593	1.582	31.649

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.761	1.780	1.765	1.725	1.674	1.627	1.595	1.584	33.824
34.247	1.782	1.767	1.726	1.675	1.628	1.597	1.586	35.332
35.779	1.783	1.768	1.728	1.677	1.630	1.598	1.587	36.888
37.361	1.784	1.769	1.729	1.678	1.631	1.599	1.589	38.494
38.993	1.786	1.771	1.730	1.679	1.632	1.601	1.590	40.151
40.676	1.787	1.772	1.732	1.681	1.633	1.602	1.591	41.861
43.304	1.788	1.773	1.733	1.682	1.635	1.603	1.592	44.529
45.126	1.789	1.774	1.734	1.683	1.636	1.604	1.593	46.380
47.008	1.790	1.775	1.735	1.684	1.637	1.605	1.594	48.290
48.951	1.791	1.776	1.736	1.685	1.638	1.606	1.595	50.263
50.957	1.791	1.776	1.736	1.685	1.638	1.606	1.596	52.300
53.030	1.792	1.777	1.737	1.686	1.639	1.607	1.596	54.405
55.171	1.792	1.778	1.738	1.687	1.640	1.608	1.597	56.580
58.519	1.793	1.778	1.738	1.687	1.640	1.609	1.598	59.979
60.846	1.793	1.779	1.739	1.688	1.641	1.609	1.598	62.342
63.251	1.794	1.779	1.739	1.688	1.641	1.609	1.599	64.784
65.739	1.794	1.779	1.739	1.689	1.642	1.610	1.599	67.311
68.313	1.794	1.780	1.740	1.689	1.642	1.610	1.599	69.924
70.975	1.795	1.780	1.740	1.689	1.642	1.611	1.600	72.627
75.143	1.795	1.780	1.740	1.690	1.643	1.611	1.600	76.860
78.044	1.795	1.781	1.741	1.690	1.643	1.611	1.600	79.805
81.045	1.795	1.781	1.741	1.690	1.643	1.611	1.600	82.853
84.152	1.796	1.781	1.741	1.690	1.643	1.612	1.601	86.008
87.369	1.796	1.781	1.741	1.691	1.644	1.612	1.601	89.274
90.698	1.796	1.781	1.742	1.691	1.644	1.612	1.601	92.654
95.914	1.796	1.782	1.742	1.691	1.644	1.612	1.601	97.951
99.545	1.797	1.782	1.742	1.691	1.644	1.612	1.601	101.638
103.305	1.797	1.782	1.742	1.691	1.644	1.612	1.601	105.456
107.198	1.797	1.782	1.742	1.692	1.644	1.612	1.601	109.408
111.228	1.797	1.782	1.742	1.692	1.644	1.613	1.601	113.501
115.402	1.797	1.782	1.743	1.692	1.645	1.613	1.602	117.740
119.724	1.797	1.782	1.743	1.692	1.645	1.613	1.602	122.128
126.496	1.797	1.783	1.743	1.692	1.645	1.613	1.602	129.005
131.212	1.797	1.783	1.743	1.692	1.645	1.613	1.602	133.794
136.096	1.797	1.783	1.743	1.692	1.645	1.613	1.602	138.753
141.154	1.797	1.783	1.743	1.692	1.645	1.613	1.602	143.888
146.391	1.798	1.783	1.743	1.692	1.645	1.613	1.602	149.207
151.815	1.798	1.783	1.743	1.693	1.645	1.613	1.602	154.714
160.316	1.798	1.783	1.743	1.693	1.645	1.613	1.602	163.346
166.236	1.798	1.783	1.743	1.693	1.646	1.613	1.602	169.358
172.367	1.798	1.783	1.743	1.693	1.646	1.614	1.602	175.583
178.717	1.798	1.783	1.743	1.693	1.646	1.614	1.602	182.031
185.294	1.798	1.783	1.743	1.693	1.646	1.614	1.602	188.709
192.105	1.798	1.783	1.743	1.693	1.646	1.614	1.603	195.625
202.780	1.798	1.783	1.744	1.693	1.646	1.614	1.603	206.465

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	3.111	3.085	3.017	2.924	2.835	2.770	2.747	1.396
.928	3.051	3.025	2.956	2.864	2.774	2.710	2.686	1.500
.987	3.057	3.031	2.963	2.872	2.783	2.720	2.697	1.560
1.118	3.010	2.986	2.919	2.831	2.745	2.684	2.662	1.693
1.353	2.905	2.882	2.818	2.733	2.651	2.592	2.571	1.931
1.538	2.823	2.800	2.738	2.656	2.577	2.521	2.500	2.119
1.747	2.732	2.710	2.651	2.572	2.496	2.442	2.422	2.331
2.107	2.594	2.572	2.516	2.441	2.370	2.320	2.301	2.696
2.374	2.496	2.476	2.422	2.350	2.282	2.234	2.217	2.968
2.664	2.413	2.394	2.340	2.270	2.204	2.157	2.141	3.262
3.143	2.310	2.290	2.237	2.169	2.104	2.059	2.043	3.749
3.492	2.251	2.232	2.179	2.111	2.047	2.002	1.986	4.104
3.866	2.203	2.184	2.130	2.062	1.997	1.953	1.937	4.483
4.471	2.149	2.129	2.075	2.005	1.939	1.894	1.879	5.097
4.904	2.124	2.104	2.048	1.977	1.910	1.865	1.849	5.537
5.361	2.107	2.086	2.029	1.956	1.889	1.842	1.826	6.001
6.092	2.094	2.072	2.012	1.937	1.867	1.819	1.803	6.743
6.608	2.092	2.070	2.009	1.931	1.860	1.811	1.794	7.267
7.148	2.095	2.072	2.009	1.930	1.857	1.806	1.789	7.815
8.002	2.108	2.084	2.018	1.935	1.859	1.807	1.789	8.683
8.602	2.120	2.095	2.028	1.943	1.865	1.811	1.793	9.292
9.225	2.135	2.109	2.040	1.953	1.873	1.818	1.800	9.925
10.206	2.161	2.134	2.062	1.972	1.889	1.832	1.813	10.921
10.892	2.180	2.152	2.079	1.986	1.901	1.844	1.824	11.617
11.603	2.199	2.171	2.096	2.002	1.915	1.856	1.836	12.339
12.719	2.229	2.200	2.123	2.026	1.937	1.876	1.856	13.472
13.498	2.249	2.220	2.141	2.042	1.952	1.890	1.869	14.263
14.305	2.268	2.238	2.159	2.059	1.967	1.905	1.883	15.083
15.572	2.296	2.266	2.185	2.083	1.989	1.926	1.904	16.369
16.455	2.314	2.283	2.201	2.098	2.004	1.940	1.918	17.266
17.371	2.330	2.300	2.217	2.113	2.018	1.953	1.931	18.196
18.797	2.353	2.322	2.239	2.134	2.037	1.972	1.950	19.644
19.777	2.367	2.336	2.252	2.147	2.049	1.984	1.962	20.639
20.780	2.380	2.349	2.265	2.158	2.061	1.995	1.972	21.658
22.330	2.398	2.366	2.282	2.175	2.076	2.010	1.987	23.231
23.393	2.408	2.376	2.292	2.184	2.086	2.019	1.996	24.311
24.480	2.417	2.386	2.301	2.193	2.094	2.028	2.005	25.415
26.158	2.430	2.398	2.313	2.205	2.106	2.039	2.016	27.118
27.307	2.438	2.406	2.321	2.213	2.113	2.046	2.023	28.286
28.482	2.445	2.413	2.328	2.219	2.120	2.052	2.029	29.479
30.294	2.454	2.422	2.337	2.228	2.128	2.061	2.038	31.318
31.535	2.459	2.428	2.342	2.234	2.134	2.066	2.043	32.579
32.805	2.465	2.433	2.348	2.239	2.139	2.071	2.048	33.868
34.764	2.471	2.439	2.354	2.246	2.145	2.078	2.054	35.857
36.108	2.475	2.443	2.359	2.250	2.150	2.082	2.058	37.222

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
37.484	2.479	2.447	2.362	2.254	2.153	2.085	2.062	38.619
38.893	2.482	2.451	2.366	2.257	2.157	2.089	2.065	40.050
41.073	2.487	2.455	2.371	2.262	2.162	2.093	2.070	42.264
42.573	2.489	2.458	2.373	2.265	2.164	2.096	2.073	43.787
44.112	2.491	2.460	2.376	2.268	2.167	2.099	2.076	45.350
46.498	2.494	2.463	2.379	2.271	2.171	2.103	2.079	47.773
48.144	2.496	2.465	2.381	2.273	2.173	2.105	2.081	49.443
49.835	2.497	2.466	2.383	2.275	2.175	2.107	2.083	51.161
52.461	2.499	2.468	2.385	2.278	2.178	2.110	2.086	53.827
54.274	2.500	2.469	2.386	2.280	2.180	2.111	2.088	55.668
56.139	2.500	2.470	2.388	2.281	2.181	2.113	2.089	57.563
59.039	2.501	2.471	2.389	2.283	2.183	2.115	2.092	60.507
61.043	2.502	2.471	2.390	2.284	2.184	2.116	2.093	62.542
63.105	2.502	2.472	2.390	2.284	2.185	2.118	2.094	64.636
66.313	2.503	2.472	2.391	2.286	2.187	2.119	2.096	67.893
68.531	2.503	2.473	2.392	2.286	2.187	2.120	2.096	70.145
70.814	2.503	2.473	2.392	2.287	2.188	2.121	2.097	72.464
74.367	2.504	2.474	2.393	2.287	2.189	2.122	2.098	76.072
76.825	2.504	2.474	2.393	2.288	2.190	2.122	2.099	78.567
79.356	2.505	2.474	2.393	2.288	2.190	2.123	2.099	81.137
83.295	2.505	2.475	2.394	2.289	2.191	2.123	2.100	85.138
86.021	2.505	2.475	2.394	2.289	2.191	2.124	2.100	87.905
88.829	2.505	2.475	2.394	2.290	2.191	2.124	2.101	90.756
93.200	2.506	2.475	2.395	2.290	2.192	2.125	2.101	95.195
96.225	2.506	2.476	2.395	2.290	2.192	2.125	2.101	98.266
99.341	2.506	2.476	2.395	2.290	2.192	2.125	2.102	101.431
104.194	2.506	2.476	2.395	2.291	2.193	2.125	2.102	106.359
107.553	2.506	2.476	2.395	2.291	2.193	2.126	2.102	109.769
111.013	2.506	2.476	2.395	2.291	2.193	2.126	2.102	113.283
116.403	2.506	2.476	2.396	2.291	2.193	2.126	2.103	118.756
120.133	2.506	2.476	2.396	2.291	2.194	2.126	2.103	122.543
123.977	2.507	2.476	2.396	2.292	2.194	2.126	2.103	126.446
129.963	2.507	2.477	2.396	2.292	2.194	2.127	2.103	132.525
134.107	2.507	2.477	2.396	2.292	2.194	2.127	2.103	136.733
138.377	2.507	2.477	2.396	2.292	2.194	2.127	2.103	141.069
145.028	2.507	2.477	2.396	2.292	2.194	2.127	2.104	147.823
149.632	2.507	2.477	2.396	2.292	2.194	2.127	2.104	152.497
154.376	2.507	2.477	2.396	2.292	2.194	2.127	2.104	157.315
161.766	2.507	2.477	2.396	2.292	2.195	2.127	2.104	164.819
166.882	2.507	2.477	2.396	2.292	2.195	2.128	2.104	170.013
172.153	2.507	2.477	2.396	2.292	2.195	2.128	2.104	175.366
180.365	2.507	2.477	2.396	2.292	2.195	2.128	2.104	183.705
186.049	2.507	2.477	2.396	2.292	2.195	2.128	2.104	189.477
191.907	2.507	2.477	2.397	2.292	2.195	2.128	2.104	195.425
201.033	2.507	2.477	2.397	2.292	2.195	2.128	2.104	204.691

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	10.536	10.443	10.193	9.860	9.536	9.304	9.220	1.396
.977	10.163	10.073	9.832	9.509	9.195	8.971	8.890	1.549
1.113	9.821	9.735	9.504	9.195	8.897	8.684	8.607	1.687
1.348	9.231	9.150	8.934	8.646	8.367	8.169	8.097	1.926
1.722	8.376	8.303	8.108	7.849	7.600	7.424	7.360	2.305
2.049	7.740	7.671	7.491	7.252	7.023	6 862	6.803	2.638
2.419	7.123	7.061	6.892	6.672	6.462	6.315	6.262	3.014
2.832	6.587	6.528	6.367	6.159	5.962	5.825	5.776	3.433
3.450	5.977	5.920	5.766	5.568	5.383	5.255	5.209	4.061
3.962	5.607	5.550	5.397	5.201	5.019	4.894	4.850	4.580
4.514	5.308	5.250	5.096	4.899	4.717	4.593	4.549	5.140
5.102	5.072	5.013	4.855	4.655	4.471	4.345	4.302	5.738
5.939	4.842	4.780	4.615	4.407	4.217	4.088	4.043	6.587
6.600	4.722	4.657	4.485	4.270	4.073	3.940	3.894	7.259
7.288	4.639	4.572	4.392	4.167	3.963	3.825	3.778	7.958
8.241	4.578	4.505	4.313	4.074	3.858	3.713	3.663	8.925
8.977	4.562	4.485	4.283	4.031	3.805	3.654	3.602	9.673
9.730	4.568	4.487	4.273	4.008	3.771	3.613	3.559	10.438
10.498	4.593	4.507	4.281	4.002	3.753	3.587	3.531	11.217
11.540	4.651	4.557	4.314	4.015	3.749	3.573	3.512	12.276
12.335	4.709	4.610	4.353	4.038	3.759	3.574	3.511	13.082
13.139	4.778	4.674	4.403	4.072	3.778	3.585	3.519	13.898
13.951	4.855	4.745	4.461	4.113	3.805	3.603	3.534	14.723
15.045	4.969	4.852	4.549	4.179	3.852	3.638	3.565	15.834
15.873	5.059	4.937	4.621	4.235	3.893	3.670	3.594	16.675
16.707	5.153	5.026	4.698	4.295	3.939	3.706	3.627	17.521
17.826	5.282	5.148	4.803	4.380	4.006	3.761	3.678	18.659
18.672	5.379	5.241	4.884	4.446	4.059	3.805	3.719	19.517
19.522	5.475	5.333	4.966	4.514	4.114	3.852	3.762	20.380
20.376	5.570	5.424	5.047	4.582	4.170	3.900	3.808	21.247
21.521	5.694	5.543	5.154	4.673	4.246	3.965	3.870	22.410
22.385	5.783	5.629	5.233	4.741	4.303	4.015	3.917	23.287
23.254	5.868	5.712	5.309	4.807	4.360	4.065	3.965	24.169
24.128	5.949	5.792	5.383	4.873	4.416	4.115	4.013	25.057
25.303	6.051	5.892	5.477	4.957	4.490	4.181	4.076	26.250
26.193	6.123	5.962	5.544	5.017	4.543	4.230	4.123	27.154
27.092	6.190	6.028	5.608	5.076	4.596	4.278	4.169	28.067
28.002	6.252	6.091	5.668	5.132	4.647	4.325	4.215	28.991
29.235	6.328	6.167	5.744	5.204	4.713	4.386	4.274	30.243
30.178	6.379	6.219	5.797	5.254	4.760	4.430	4.317	31.201
31.139	6.424	6.266	5.846	5.303	4.805	4.473	4.359	32.177
32.453	6.477	6.322	5.907	5.364	4.864	4.529	4.414	33.510
33.466	6.509	6.358	5.948	5.407	4.905	4.569	4.453	34.539
34.506	6.536	6.388	5.985	5.448	4.945	4.608	4.492	35.596
35.577	6.556	6.412	6.018	5.486	4.984	4.645	4.529	36.683

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
37.058	6.574	6.435	6.054	5.532	5.032	4.693	4.576	38.187
38.213	6.581	6.446	6.076	5.563	5.066	4.727	4.610	39.360
39.411	6.583	6.452	6.092	5.590	5.098	4.760	4.643	40.576
40.654	6.582	6.454	6.103	5.614	5.128	4.791	4.675	41.839
42.392	6.576	6.452	6.112	5.639	5.164	4.830	4.714	43.603
43.760	6.570	6.447	6.113	5.653	5.188	4.858	4.742	44.992
45.188	6.564	6.441	6.112	5.663	5.209	4.883	4.769	46.443
47.196	6.554	6.433	6.107	5.669	5.231	4.913	4.800	48.482
48.786	6.547	6.426	6.102	5.671	5.243	4.932	4.822	50.096
50.451	6.540	6.419	6.096	5.669	5.251	4.948	4.840	51.787
52.192	6.534	6.413	6.091	5.666	5.256	4.960	4.855	53.555
54.621	6.526	6.406	6.084	5.662	5.258	4.971	4.870	56.021
56.525	6.521	6.401	6.079	5.658	5.257	4.976	4.877	57.954
58.506	6.517	6.397	6.075	5.654	5.255	4.978	4.881	59.965
60.571	6.514	6.393	6.071	5.650	5.252	4.977	4.882	62.063
63.471	6.510	6.389	6.067	5.646	5.248	4.975	4.881	65.007
65.767	6.507	6.386	6.064	5.643	5.245	4.972	4.879	67.338
68.176	6.506	6.384	6.061	5.640	5.242	4.969	4.875	69.785
70.710	6.505	6.383	6.059	5.638	5.240	4.966	4.872	72.358
74.300	6.504	6.382	6.057	5.635	5.237	4.963	4.868	76.004
77.125	6.504	6.382	6.056	5.634	5.236	4.961	4.866	78.872
80.049	6.505	6.382	6.055	5.633	5.234	4.959	4.864	81.841
84.106	6.507	6.384	6.056	5.632	5.233	4.957	4.861	85.961
87.273	6.508	6.385	6.056	5.631	5.232	4.956	4.860	89.176
90.550	6.509	6.386	6.057	5.631	5.231	4.955	4.859	92.504
93.941	6.511	6.387	6.058	5.631	5.231	4.954	4.858	95.947
98.646	6.512	6.389	6.059	5.632	5.230	4.953	4.857	100.725
102.319	6.513	6.390	6.060	5.633	5.230	4.953	4.856	104.454
106.119	6.514	6.391	6.061	5.633	5.231	4.953	4.855	108.313
110.052	6.515	6.392	6.062	5.634	5.231	4.953	4.855	112.306
115.509	6.517	6.393	6.063	5.635	5.232	4.953	4.855	117.848
119.768	6.518	6.394	6.064	5.636	5.233	4.953	4.855	122.173
124.176	6.518	6.394	6.064	5.637	5.233	4.954	4.855	126.649
130.293	6.519	6.395	6.065	5.637	5.234	4.954	4.856	132.861
135.068	6.520	6.396	6.066	5.638	5.235	4.955	4.856	137.709
140.010	6.520	6.396	6.066	5.638	5.236	4.956	4.857	142.727
145.125	6.521	6.397	6.067	5.639	5.236	4.956	4.858	147.921
152.224	6.521	6.397	6.067	5.639	5.237	4.957	4.859	155.129
157.766	6.522	6.398	6.068	5.640	5.237	4.958	4.859	160.757
163.502	6.522	6.398	6.068	5.640	5.238	4.958	4.860	166.581
169.439	6.522	6.398	6.068	5.640	5.238	4.959	4.860	172.610
177.680	6.523	6.399	6.069	5.641	5.238	4.959	4.861	180.978
184.114	6.523	6.399	6.069	5.641	5.239	4.960	4.861	187.511
190.774	6.523	6.399	6.069	5.641	5.239	4.960	4.862	194.274
200.019	6.524	6.400	6.069	5.641	5.239	4.961	4.862	203.662

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	22.900	22.695	22.143	21.410	20.695	20.183	19.999	1.396
1.038	21.634	21.442	20.925	20.236	19.568	19.091	18.919	1.611
1.255	20.320	20.139	19.655	19.010	18.386	17.942	17.782	1.831
1.602	18.388	18.225	17.791	17.215	16.659	16.266	16.123	2.184
2.018	16.442	16.296	15.907	15.393	14.900	14.554	14.429	2.606
2.639	14.205	14.076	13.731	13.280	12.853	12.556	12.450	3.237
3.218	12.715	12.596	12.272	11.855	11.463	11.192	11.096	3.824
3.866	11.502	11.386	11.071	10.669	10.295	10.038	9.948	4.483
4.580	10.561	10.444	10.129	9.729	9.360	9.108	9.021	5.208
5.551	9.709	9.587	9.262	8.852	8.477	8.223	8.135	6.194
6.382	9.236	9.108	8.768	8.343	7.956	7.696	7.606	7.038
7.251	8.908	8.773	8.415	7.969	7.565	7.295	7.202	7.920
8.150	8.697	8.553	8.171	7.700	7.276	6.994	6.897	8.832
9.304	8.563	8.405	7.990	7.481	7.026	6.725	6.622	10.005
10.245	8.539	8.368	7.923	7.379	6.896	6.578	6.469	10.961
11.197	8.575	8.390	7.911	7.329	6.815	6.478	6.363	11.927
12.155	8.659	8.460	7.945	7.321	6.774	6.417	6.295	12.900
13.356	8.818	8.600	8.038	7.361	6.769	6.384	6.254	14.119
14.316	8.979	8.746	8.146	7.423	6.794	6.387	6.249	15.094
15.272	9.166	8.916	8.276	7.507	6.840	6.410	6.264	16.065
16.223	9.373	9.106	8.426	7.609	6.904	6.449	6.296	17.030
17.399	9.658	9.369	8.635	7.758	7.003	6.518	6.354	18.225
18.330	9.903	9.596	8.818	7.891	7.094	6.585	6.413	19.170
19.250	10.159	9.834	9.012	8.033	7.196	6.661	6.481	20.104
20.159	10.424	10.082	9.216	8.185	7.305	6.745	6.557	21.027
21.280	10.762	10.399	9.480	8.384	7.451	6.859	6.660	22.165
22.165	11.033	10.655	9.696	8.550	7.574	6.956	6.749	23.064
23.040	11.301	10.909	9.914	8.720	7.702	7.057	6.842	23.952
23.906	11.564	11.160	10.132	8.892	7.833	7.163	6.939	24.832
24.979	11.879	11.464	10.401	9.110	8.001	7.299	7.065	25.922
25.831	12.119	11.698	10.613	9.284	8.138	7.411	7.169	26.787
26.680	12.345	11.920	10.819	9.457	8.277	7.526	7.275	27.649
27.527	12.556	12.130	11.018	9.629	8.416	7.642	7.383	28.509
28.587	12.795	12.372	11.255	9.839	8.590	7.790	7.522	29.585
29.439	12.966	12.548	11.434	10.003	8.729	7.909	7.634	30.450
30.295	13.115	12.706	11.602	10.163	8.867	8.029	7.747	31.320
31.160	13.244	12.845	11.758	10.317	9.004	8.149	7.861	32.198
32.255	13.375	12.992	11.935	10.501	9.172	8.299	8.004	33.310
33.146	13.455	13.087	12.059	10.641	9.305	8.419	8.118	34.214
34.052	13.514	13.162	12.168	10.772	9.434	8.538	8.233	35.135
34.978	13.554	13.217	12.261	10.894	9.559	8.657	8.348	36.074
36.165	13.578	13.260	12.353	11.032	9.710	8.802	8.490	37.280
37.144	13.579	13.275	12.407	11.129	9.825	8.917	8.602	38.274
38.152	13.567	13.276	12.445	11.214	9.934	9.029	8.713	39.297
39.191	13.544	13.264	12.468	11.285	10.035	9.137	8.822	40.353

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
40.539	13.503	13.234	12.476	11.354	10.150	9.267	8.954	41.722
41.660	13.463	13.200	12.468	11.394	10.230	9.364	9.054	42.860
42.817	13.418	13.162	12.450	11.419	10.299	9.454	9.149	44.035
44.016	13.372	13.119	12.424	11.431	10.356	9.536	9.237	45.252
45.569	13.314	13.063	12.383	11.431	10.410	9.624	9.336	46.830
46.858	13.269	13.019	12.346	11.419	10.439	9.683	9.405	48.138
48.188	13.228	12.977	12.307	11.400	10.456	9.731	9.463	49.489
49.556	13.192	12.939	12.268	11.376	10.463	9.768	9.510	50.878
51.321	13.153	12.896	12.222	11.340	10.459	9.797	9.554	52.670
52.773	13.127	12.868	12.187	11.309	10.447	9.809	9.577	54.144
54.259	13.107	12.844	12.157	11.278	10.430	9.813	9.589	55.654
55.784	13.091	12.825	12.130	11.247	10.408	9.808	9.593	57.202
57.749	13.077	12.807	12.103	11.211	10.379	9.794	9.587	59.197
59.375	13.070	12.797	12.085	11.185	10.353	9.777	9.576	60.848
61.055	13.066	12.791	12.071	11.162	10.328	9.757	9.560	62.554
62.793	13.064	12.787	12.060	11.142	10.303	9.735	9.541	64.319
65.060	13.066	12.786	12.051	11.121	10.274	9.705	9.513	66.621
66.956	13.069	12.788	12.047	11.108	10.252	9.682	9.490	68.547
68.935	13.074	12.791	12.046	11.097	10.233	9.658	9.466	70.555
71.003	13.079	12.795	12.046	11.090	10.217	9.636	9.443	72.656
73.730	13.087	12.803	12.049	11.084	10.200	9.612	9.415	75.425
76.037	13.094	12.809	12.053	11.082	10.190	9.594	9.395	77.768
78.468	13.101	12.816	12.058	11.082	10.182	9.579	9.377	80.236
81.035	13.108	12.823	12.064	11.084	10.176	9.566	9.362	82.842
84.455	13.117	12.831	12.072	11.088	10.173	9.554	9.345	86.315
87.378	13.123	12.838	12.078	11.093	10.172	9.547	9.335	89.283
90.485	13.129	12.844	12.084	11.098	10.173	9.543	9.328	92.438
93.794	13.133	12.849	12.090	11.104	10.176	9.541	9.323	95.798
98.243	13.138	12.854	12.097	11.111	10.182	9.541	9.321	100.316
102.078	13.141	12.858	12.102	11.117	10.187	9.543	9.321	104.210
106.182	13.144	12.861	12.106	11.122	10.192	9.547	9.323	108.377
110.582	13.145	12.862	12.109	11.127	10.198	9.552	9.327	112.845
116.537	13.146	12.864	12.112	11.132	10.205	9.559	9.333	118.892
121.645	13.146	12.864	12.113	11.135	10.210	9.564	9.338	124.079
126.967	13.147	12.865	12.114	11.138	10.214	9.570	9.343	129.483
132.509	13.148	12.866	12.115	11.140	10.218	9.575	9.349	135.110
139.760	13.148	12.866	12.116	11.142	10.222	9.581	9.355	142.474
145.834	13.149	12.866	12.116	11.143	10.225	9.585	9.359	148.640
152.159	13.149	12.867	12.116	11.143	10.226	9.588	9.363	155.064
158.749	13.150	12.867	12.116	11.143	10.228	9.591	9.366	161.755
167.373	13.150	12.868	12.117	11.144	10.229	9.593	9.368	170.513
174.597	13.151	12.868	12.117	11.143	10.229	9.594	9.370	177.848
182.123	13.152	12.869	12.117	11.143	10.229	9.595	9.371	185.489
189.962	13.152	12.870	12.117	11.143	10.229	9.596	9.372	193.450
200.223	13.153	12.870	12.118	11.143	10.229	9.596	9.373	203.869

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	40.209	39.847	38.873	37.578	36.316	35.414	35.089	1.396
1.036	37.922	37.584	36.673	35.459	34.282	33.443	33.139	1.609
1.331	34.722	34.412	33.583	32.478	31.412	30.654	30.379	1.908
1.792	30.352	30.082	29.363	28.410	27.495	26.848	26.614	2.376
2.361	26.139	25.906	25.279	24.456	23.674	23.127	22.931	2.955
3.042	22.599	22.389	21.821	21.085	20.393	19.913	19.742	3.646
3.831	19.781	19.581	19.040	18.348	17.706	17.265	17.111	4.448
4.718	17.702	17.501	16.961	16.277	15.648	15.220	15.071	5.348
5.688	16.235	16.027	15.469	14.770	14.131	13.700	13.550	6.333
6.723	15.242	15.022	14.433	13.701	13.037	12.592	12.439	7.384
7.807	14.607	14.369	13.739	12.961	12.261	11.794	11.634	8.484
8.924	14.244	13.984	13.302	12.466	11.720	11.226	11.057	9.619
10.062	14.089	13.804	13.061	12.156	11.355	10.829	10.649	10.774
11.211	14.096	13.783	12.971	11.989	11.126	10.562	10.371	11.941
12.363	14.228	13.884	12.999	11.931	11.001	10.396	10.191	13.111
13.511	14.453	14.078	13.115	11.959	10.957	10.308	10.089	14.276
14.649	14.751	14.343	13.300	12.053	10.975	10.281	10.047	15.432
15.771	15.112	14.668	13.540	12.196	11.042	10.302	10.052	16.572
16.876	15.529	15.046	13.826	12.381	11.147	10.359	10.094	17.693
17.958	15.998	15.473	14.153	12.600	11.282	10.445	10.165	18.793
19.018	16.511	15.942	14.517	12.849	11.443	10.555	10.259	19.868
20.053	17.060	16.446	14.914	13.124	11.626	10.685	10.372	20.920
21.065	17.634	16.977	15.337	13.423	11.828	10.833	10.502	21.947
22.054	18.222	17.525	15.780	13.742	12.048	10.995	10.646	22.951
23.021	18.813	18.079	16.238	14.077	12.282	11.170	10.802	23.934
23.970	19.399	18.633	16.703	14.425	12.530	11.357	10.970	24.897
24.902	19.968	19.177	17.171	14.782	12.788	11.555	11.149	25.843
25.819	20.513	19.704	17.635	15.145	13.055	11.763	11.337	26.775
26.725	21.026	20.207	18.091	15.511	13.330	11.978	11.533	27.695
27.623	21.501	20.680	18.534	15.878	13.612	12.202	11.737	28.606
28.515	21.932	21.117	18.960	16.243	13.897	12.432	11.948	29.512
29.404	22.314	21.513	19.363	16.603	14.187	12.667	12.165	30.415
30.293	22.645	21.865	19.741	16.955	14.478	12.908	12.388	31.317
31.185	22.922	22.169	20.089	17.298	14.770	13.154	12.616	32.223
32.084	23.145	22.425	20.404	17.627	15.061	13.403	12.849	33.136
32.992	23.316	22.631	20.683	17.941	15.350	13.655	13.086	34.058
33.912	23.436	22.788	20.924	18.236	15.635	13.910	13.327	34.993
34.849	23.508	22.898	21.125	18.510	15.915	14.166	13.572	35.944
35.806	23.537	22.964	21.286	18.759	16.187	14.422	13.818	36.916
36.787	23.526	22.988	21.406	18.981	16.448	14.677	14.066	37.912
37.795	23.479	22.974	21.486	19.174	16.696	14.929	14.313	38.935
38.833	23.403	22.927	21.527	19.334	16.928	15.175	14.558	39.989
39.903	23.303	22.851	21.533	19.461	17.141	15.413	14.799	41.076
41.005	23.185	22.753	21.505	19.553	17.329	15.639	15.031	42.195
42.141	23.057	22.638	21.450	19.611	17.493	15.849	15.252	43.348

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
43.077	22.950	22.539	21.388	19.634	17.603	16.005	15.419	44.299
44.275	22.820	22.411	21.295	19.636	17.715	16.180	15.611	45.515
45.507	22.696	22.286	21.189	19.610	17.797	16.332	15.783	46.766
46.778	22.583	22.167	21.075	19.560	17.849	16.459	15.933	48.057
48.083	22.483	22.060	20.961	19.492	17.874	16.559	16.059	49.382
49.419	22.399	21.966	20.852	19.410	17.873	16.632	16.158	50.739
50.792	22.330	21.886	20.750	19.319	17.850	16.679	16.232	52.132
52.194	22.276	21.822	20.660	19.225	17.808	16.701	16.281	53.557
53.627	22.237	21.772	20.583	19.132	17.752	16.700	16.305	55.011
55.091	22.210	21.736	20.519	19.043	17.685	16.681	16.308	56.498
56.587	22.194	21.711	20.467	18.962	17.611	16.645	16.291	58.017
58.121	22.187	21.696	20.428	18.890	17.534	16.595	16.259	59.574
59.696	22.186	21.690	20.400	18.827	17.457	16.536	16.213	61.174
61.319	22.191	21.690	20.381	18.775	17.383	16.470	16.156	62.822
62.995	22.201	21.695	20.371	18.732	17.313	16.399	16.092	64.524
64.729	22.214	21.705	20.367	18.699	17.250	16.328	16.023	66.285
66.528	22.229	21.717	20.370	18.676	17.194	16.257	15.952	68.111
68.398	22.247	21.733	20.376	18.660	17.146	16.190	15.882	70.011
70.348	22.267	21.751	20.387	18.652	17.107	16.128	15.814	71.990
72.385	22.287	21.770	20.400	18.650	17.076	16.072	15.750	74.059
74.518	22.308	21.790	20.416	18.653	17.053	16.024	15.693	76.225
76.758	22.328	21.811	20.434	18.660	17.038	15.983	15.643	78.499
79.116	22.347	21.830	20.452	18.671	17.030	15.951	15.600	80.893
81.603	22.365	21.849	20.472	18.684	17.028	15.927	15.566	83.419
84.235	22.380	21.865	20.491	18.700	17.031	15.911	15.540	86.091
87.025	22.392	21.880	20.509	18.717	17.038	15.903	15.523	88.924
89.990	22.403	21.892	20.525	18.735	17.050	15.900	15.512	91.936
93.150	22.410	21.901	20.540	18.753	17.063	15.904	15.509	95.144
96.525	22.415	21.908	20.551	18.771	17.079	15.912	15.511	98.571
100.138	22.418	21.912	20.560	18.787	17.097	15.923	15.518	102.240
104.013	22.420	21.915	20.567	18.800	17.115	15.938	15.530	106.175
108.179	22.420	21.916	20.571	18.812	17.132	15.955	15.544	110.405
112.667	22.419	21.915	20.573	18.820	17.149	15.974	15.561	114.962
117.512	22.417	21.914	20.573	18.826	17.163	15.992	15.580	119.882
122.752	22.415	21.912	20.572	18.830	17.175	16.010	15.599	125.203
128.431	22.412	21.909	20.571	18.831	17.184	16.026	15.616	130.970
134.596	22.410	21.906	20.568	18.831	17.190	16.040	15.633	137.230
141.301	22.409	21.905	20.565	18.830	17.194	16.050	15.646	144.038
148.549	22.408	21.903	20.563	18.828	17.195	16.058	15.656	151.398
156.175	22.409	21.904	20.562	18.826	17.196	16.062	15.663	159.142
164.178	22.411	21.906	20.563	18.825	17.195	16.065	15.667	167.268
172.576	22.413	21.908	20.563	18.824	17.194	16.066	15.669	175.795
181.368	22.415	21.909	20.564	18.823	17.193	16.066	15.669	184.744
190.637	22.418	21.911	20.565	18.823	17.191	16.065	15.668	194.135
200.342	22.420	21.914	20.567	18.823	17.190	16.063	15.666	203.989

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	62.467	61.905	60.385	58.361	56.397	54.997	54.493	1.396
1.103	57.670	57.154	55.766	53.919	52.130	50.856	50.395	1.677
1.412	52.496	52.028	50.775	49.107	47.496	46.354	45.940	1.991
2.001	44.315	43.918	42.862	41.468	40.134	39.196	38.856	2.589
2.612	38.070	37.724	36.792	35.579	34.431	33.630	33.343	3.209
3.489	32.060	31.749	30.905	29.822	28.811	28.114	27.869	4.100
4.333	28.333	28.028	27.202	26.153	25.185	24.525	24.294	4.957
5.459	25.209	24.895	24.050	22.988	22.018	21.362	21.135	6.100
6.473	23.478	23.146	22.261	21.157	20.156	19.484	19.252	7.130
7.753	22.163	21.801	20.844	19.662	18.601	17.893	17.650	8.430
8.855	21.539	21.145	20.111	18.844	17.716	16.969	16.713	9.549
10.202	21.211	20.771	19.627	18.237	17.011	16.206	15.932	10.917
11.333	21.204	20.721	19.473	17.965	16.646	15.786	15.493	12.065
12.688	21.427	20.890	19.509	17.849	16.407	15.473	15.157	13.440
13.807	21.757	21.173	19.675	17.883	16.334	15.335	14.998	14.577
15.130	22.289	21.642	19.997	18.040	16.358	15.280	14.916	15.920
16.211	22.832	22.128	20.349	18.246	16.450	15.303	14.917	17.018
17.477	23.599	22.818	20.860	18.565	16.625	15.394	14.981	18.304
18.505	24.325	23.474	21.353	18.885	16.816	15.512	15.076	19.348
19.506	25.118	24.195	21.903	19.249	17.042	15.661	15.201	20.364
20.672	26.139	25.130	22.626	19.738	17.354	15.875	15.385	21.548
21.616	27.030	25.951	23.273	20.183	17.646	16.080	15.563	22.507
22.717	28.123	26.967	24.088	20.756	18.028	16.355	15.804	23.625
23.611	29.037	27.823	24.789	21.260	18.371	16.604	16.024	24.532
24.657	30.115	28.845	25.645	21.889	18.807	16.926	16.310	25.595
25.511	30.982	29.676	26.361	22.429	19.188	17.212	16.565	26.462
26.517	31.967	30.635	27.211	23.090	19.665	17.573	16.889	27.483
27.343	32.730	31.390	27.905	23.646	20.074	17.888	17.173	28.322
28.322	33.564	32.230	28.709	24.315	20.579	18.280	17.528	29.316
29.131	34.183	32.868	29.348	24.868	21.008	18.619	17.837	30.138
30.098	34.827	33.549	30.068	25.523	21.531	19.039	18.220	31.120
30.903	35.279	34.043	30.624	26.056	21.971	19.398	18.550	31.937
31.872	35.719	34.543	31.230	26.675	22.502	19.839	18.958	32.921
32.685	36.001	34.881	31.680	27.169	22.944	20.215	19.307	33.746
33.670	36.242	35.195	32.150	27.731	23.471	20.673	19.737	34.747
34.504	36.365	35.380	32.481	28.167	23.905	21.061	20.102	35.593
35.351	36.421	35.499	32.754	28.572	24.330	21.451	20.474	36.454
36.390	36.407	35.558	33.004	29.010	24.826	21.922	20.927	37.509
37.278	36.334	35.543	33.149	29.331	25.223	22.313	21.307	38.411
38.372	36.181	35.453	33.246	29.658	25.672	22.777	21.764	39.522
39.311	36.010	35.326	33.265	29.879	26.020	23.155	22.141	40.475
40.467	35.766	35.125	33.221	30.079	26.397	23.589	22.583	41.648
41.457	35.543	34.926	33.132	30.191	26.673	23.932	22.937	42.653
42.681	35.267	34.666	32.973	30.260	26.956	24.314	23.342	43.897
43.727	35.041	34.444	32.807	30.265	27.146	24.602	23.654	44.959

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
45.013	34.788	34.184	32.582	30.214	27.319	24.905	23.995	46.264
46.115	34.596	33.980	32.382	30.130	27.415	25.121	24.246	47.384
47.474	34.394	33.759	32.142	29.987	27.476	25.332	24.505	48.763
48.630	34.253	33.600	31.951	29.843	27.483	25.466	24.682	49.937
50.049	34.117	33.439	31.739	29.651	27.443	25.575	24.845	51.378
51.261	34.030	33.332	31.582	29.483	27.376	25.625	24.940	52.609
52.742	33.955	33.234	31.421	29.284	27.261	25.639	25.007	54.113
54.001	33.914	33.175	31.309	29.126	27.145	25.615	25.024	55.391
55.542	33.886	33.129	31.204	28.952	26.989	25.550	25.004	56.956
56.852	33.878	33.108	31.138	28.822	26.852	25.470	24.957	58.287
58.190	33.879	33.099	31.089	28.708	26.713	25.371	24.886	59.645
59.837	33.893	33.102	31.052	28.593	26.551	25.235	24.775	61.317
61.247	33.911	33.114	31.035	28.516	26.423	25.111	24.666	62.749
62.990	33.940	33.135	31.029	28.443	26.283	24.958	24.522	64.519
64.489	33.969	33.159	31.034	28.400	26.178	24.830	24.396	66.041
66.350	34.007	33.193	31.050	28.365	26.069	24.681	24.243	67.931
67.957	34.042	33.225	31.069	28.349	25.993	24.565	24.118	69.563
69.961	34.085	33.265	31.097	28.343	25.920	24.438	23.976	71.598
71.699	34.121	33.301	31.126	28.347	25.874	24.344	23.867	73.362
73.875	34.163	33.344	31.163	28.361	25.836	24.248	23.750	75.572
75.770	34.197	33.379	31.196	28.379	25.817	24.182	23.666	77.496
78.153	34.234	33.418	31.237	28.406	25.807	24.121	23.582	79.916
80.239	34.261	33.448	31.271	28.433	25.808	24.084	23.526	82.034
82.873	34.288	33.479	31.311	28.468	25.819	24.055	23.477	84.708
85.188	34.307	33.501	31.341	28.500	25.835	24.043	23.450	87.060
88.127	34.323	33.522	31.373	28.539	25.861	24.041	23.432	90.044
90.723	34.333	33.534	31.396	28.572	25.887	24.049	23.428	92.680
93.466	34.339	33.543	31.414	28.603	25.917	24.064	23.433	95.466
96.973	34.343	33.550	31.430	28.636	25.954	24.089	23.449	99.026
100.092	34.344	33.552	31.440	28.660	25.987	24.116	23.469	102.193
104.098	34.342	33.552	31.446	28.683	26.025	24.152	23.500	106.261
107.679	34.339	33.550	31.448	28.697	26.055	24.185	23.530	109.898
112.303	34.334	33.546	31.447	28.709	26.087	24.226	23.570	114.592
116.456	34.329	33.541	31.445	28.714	26.109	24.259	23.604	118.810
121.845	34.323	33.535	31.440	28.716	26.129	24.296	23.644	124.282
126.711	34.319	33.530	31.435	28.715	26.140	24.323	23.676	129.223
133.056	34.314	33.525	31.428	28.712	26.148	24.349	23.708	135.665
138.812	34.312	33.521	31.423	28.708	26.151	24.364	23.730	141.510
146.350	34.311	33.519	31.418	28.702	26.150	24.376	23.749	149.165
153.219	34.311	33.518	31.415	28.696	26.148	24.381	23.758	156.140
162.245	34.312	33.519	31.413	28.690	26.142	24.382	23.763	165.305
170.285	34.315	33.522	31.413	28.686	26.137	24.379	23.763	173.469
180.441	34.321	33.527	31.416	28.686	26.132	24.375	23.759	183.782
189.350	34.325	33.531	31.419	28.686	26.129	24.370	23.755	192.828
200.605	34.330	33.536	31.422	28.687	26.126	24.365	23.747	204.257

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	89.665	88.854	86.671	83.766	80.950	78.938	78.210	1.396
1.102	82.739	81.997	80.005	77.350	74.779	72.950	72.289	1.676
1.498	73.303	72.649	70.900	68.576	66.336	64.749	64.173	2.078
2.111	61.600	61.045	59.572	57.629	55.774	54.470	53.997	2.700
2.881	51.339	50.865	49.586	47.927	46.362	45.275	44.886	3.483
3.806	43.455	43.016	41.828	40.311	38.902	37.936	37.597	4.422
4.682	38.691	38.254	37.075	35.583	34.211	33.279	32.954	5.312
5.838	34.748	34.292	33.071	31.543	30.151	29.213	28.889	6.486
7.079	32.248	31.757	30.455	28.839	27.381	26.407	26.071	7.746
8.376	30.776	30.237	28.819	27.077	25.520	24.488	24.134	9.062
9.705	30.049	29.449	27.885	25.981	24.298	23.190	22.812	10.412
10.824	29.865	29.208	27.503	25.442	23.634	22.453	22.052	11.548
12.166	30.017	29.284	27.397	25.128	23.154	21.875	21.441	12.911
13.498	30.459	29.648	27.570	25.083	22.932	21.546	21.078	14.263
14.807	31.120	30.224	27.944	25.230	22.897	21.401	20.897	15.592
16.087	31.972	30.980	28.475	25.519	22.998	21.390	20.850	16.892
17.127	32.821	31.739	29.024	25.848	23.162	21.458	20.887	17.948
18.340	33.996	32.794	29.803	26.334	23.435	21.612	21.003	19.180
19.512	35.318	33.990	30.700	26.913	23.781	21.829	21.181	20.371
20.646	36.75.	35.301	31.701	27.574	24.190	22.101	21.410	21.521
21.741	38.276	36.696	32.786	28.307	24.657	22.421	21.685	22.633
22.626	39.576	37.899	33.740	28.965	25.086	22.721	21.945	23.532
23.659	41.145	39.364	34.926	29.801	25.641	23.116	22.291	24.581
24.663	42.691	40.825	36.139	30.678	26.236	23.547	22.670	25.600
25.641	44.183	42.254	37.361	31.586	26.865	24.009	23.079	26.594
26.599	45.592	43.624	38.572	32.516	27.523	24.500	23.517	27.566
27.539	46.895	44.914	39.757	33.458	28.206	25.016	23.979	28.521
28.312	47.885	45.914	40.712	34.246	28.792	25.465	24.383	29.306
29.231	48.947	47.009	41.808	35.187	29.511	26.024	24.888	30.239
30.143	49.863	47.979	42.836	36.116	30.243	26.604	25.414	31.166
31.053	50.626	48.817	43.784	37.025	30.985	27.202	25.961	32.090
31.965	51.236	49.516	44.643	37.904	31.733	27.817	26.527	33.015
32.728	51.629	49.993	45.284	38.607	32.358	28.342	27.013	33.790
33.652	51.966	50.438	45.958	39.411	33.105	28.985	27.612	34.729
34.590	52.162	50.746	46.524	40.161	33.844	29.639	28.227	35.680
35.544	52.224	50.922	46.977	40.849	34.570	30.302	28.856	36.650
36.521	52.161	50.970	47.314	41.467	35.275	30.970	29.497	37.641
37.353	52.022	50.919	47.507	41.923	35.841	31.527	30.037	38.486
38.377	51.766	50.757	47.630	42.392	36.486	32.188	30.687	39.526
39.429	51.432	50.500	47.640	42.768	37.083	32.836	31.332	40.595
40.508	51.046	50.172	47.544	43.045	37.623	33.457	31.963	41.690
41.618	50.631	49.793	47.354	43.222	38.097	34.045	32.571	42.817
42.568	50.282	49.457	47.135	43.293	38.436	34.504	33.056	43.782
43.731	49.877	49.053	46.820	43.290	38.769	35.006	33.599	44.963
44.923	49.502	48.664	46.468	43.198	39.018	35.448	34.094	46.174

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 1.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
46.149	49.167	48.303	46.100	43.028	39.182	35.826	34.533	47.418
47.407	48.879	47.982	45.736	42.795	39.261	36.132	34.910	48.695
48.689	48.643	47.709	45.393	42.520	39.259	36.362	35.217	49.998
49.780	48.486	47.519	45.132	42.269	39.201	36.496	35.418	51.105
51.119	48.341	47.337	44.852	41.959	39.072	36.587	35.592	52.465
52.483	48.242	47.202	44.616	41.655	38.890	36.606	35.693	53.850
53.873	48.180	47.109	44.425	41.367	38.670	36.558	35.723	55.261
55.291	48.151	47.053	44.277	41.105	38.425	36.452	35.688	56.701
56.494	48.146	47.029	44.185	40.910	38.213	36.327	35.615	57.923
57.967	48.158	47.023	44.108	40.707	37.956	36.141	35.481	59.418
59.476	48.186	47.036	44.061	40.539	37.708	35.928	35.306	60.951
61.026	48.228	47.065	44.041	40.406	37.474	35.696	35.100	62.525
62.621	48.278	47.106	44.041	40.305	37.261	35.458	34.875	64.145
63.989	48.325	47.147	44.055	40.244	37.103	35.260	34.678	65.533
65.680	48.387	47.203	44.084	40.197	36.937	35.031	34.441	67.251
67.432	48.452	47.264	44.125	40.173	36.800	34.816	34.208	69.029
69.249	48.518	47.328	44.173	40.169	36.691	34.621	33.989	70.874
71.137	48.584	47.393	44.228	40.182	36.611	34.449	33.787	72.792
72.771	48.637	47.447	44.278	40.204	36.564	34.325	33.636	74.451
74.809	48.697	47.510	44.340	40.240	36.529	34.202	33.478	76.521
76.941	48.751	47.569	44.403	40.284	36.515	34.106	33.347	78.685
79.174	48.799	47.622	44.465	40.336	36.519	34.037	33.243	80.952
81.519	48.838	47.668	44.524	40.392	36.538	33.993	33.167	83.334
83.987	48.869	47.706	44.579	40.451	36.570	33.971	33.117	85.840
86.147	48.888	47.730	44.619	40.501	36.604	33.968	33.093	88.033
88.874	48.905	47.752	44.660	40.560	36.653	33.981	33.084	90.803
91.765	48.914	47.767	44.693	40.616	36.707	34.009	33.093	93.737
94.035	48.918	47.774	44.716	40.667	36.765	34.048	33.118	96.855
98.106	48.917	47.776	44.731	40.711	36.825	34.097	33.156	100.177
101.001	48.914	47.775	44.738	40.741	36.874	34.144	33.196	103.116
104.699	48.907	47.770	44.740	40.768	36.930	34.204	33.250	106.871
108.669	48.899	47.762	44.738	40.786	36.980	34.266	33.310	110.903
112.944	48.890	47.753	44.732	40.795	37.023	34.328	33.373	115.244
117.562	48.880	47.744	44.724	40.798	37.056	34.387	33.436	119.932
121.701	48.873	47.736	44.715	40.796	37.076	34.431	33.486	124.136
127.060	48.866	47.727	44.705	40.790	37.090	34.476	33.541	129.578
132.898	48.861	47.720	44.695	40.781	37.096	34.510	33.586	135.505
139.276	48.858	47.716	44.686	40.771	37.096	34.532	33.621	141.982
146.263	48.857	47.714	44.680	40.761	37.090	34.544	33.644	149.077
152.607	48.857	47.713	44.676	40.752	37.083	34.547	33.654	155.518
160.920	48.859	47.714	44.674	40.744	37.072	34.544	33.658	163.960
170.088	48.863	47.717	44.674	40.737	37.060	34.535	33.653	173.270
180.037	48.869	47.723	44.676	40.733	37.050	34.523	33.642	183.372
190.551	48.877	47.731	44.682	40.735	37.043	34.512	33.630	194.048
201.658	48.885	47.739	44.689	40.739	37.041	34.502	33.617	205.327

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	2.410	2.393	2.347	2.285	2.225	2.182	2.166	1.309
.829	2.394	2.377	2.329	2.266	2.204	2.160	2.143	1.400
.928	2.434	2.416	2.369	2.305	2.243	2.198	2.182	1.502
1.038	2.434	2.417	2.370	2.307	2.245	2.201	2.185	1.616
1.227	2.418	2.401	2.353	2.290	2.229	2.185	2.169	1.812
1.445	2.391	2.373	2.327	2.265	2.204	2.161	2.145	2.038
1.608	2.368	2.351	2.305	2.243	2.184	2.141	2.126	2.206
1.877	2.334	2.317	2.271	2.210	2.151	2.109	2.094	2.485
2.172	2.295	2.279	2.233	2.173	2.115	2.074	2.059	2.790
2.384	2.269	2.252	2.207	2.147	2.090	2.049	2.034	3.009
2.724	2.254	2.236	2.190	2.129	2.070	2.029	2.014	3.362
3.092	2.246	2.229	2.182	2.120	2.061	2.020	2.005	3.743
3.352	2.244	2.227	2.179	2.117	2.057	2.015	2.001	4.012
3.765	2.249	2.231	2.181	2.117	2.056	2.013	1.998	4.439
4.204	2.259	2.241	2.190	2.125	2.062	2.019	2.003	4.894
4.511	2.268	2.250	2.199	2.132	2.069	2.025	2.009	5.212
4.993	2.285	2.266	2.214	2.146	2.081	2.036	2.020	5.711
5.502	2.305	2.285	2.232	2.162	2.096	2.050	2.034	6.237
5.855	2.319	2.299	2.245	2.174	2.107	2.061	2.044	6.603
6.408	2.340	2.320	2.264	2.193	2.125	2.077	2.061	7.175
6.987	2.361	2.341	2.284	2.212	2.143	2.094	2.078	7.775
7.388	2.375	2.354	2.297	2.224	2.154	2.106	2.089	8.191
8.014	2.395	2.374	2.316	2.242	2.172	2.123	2.106	8.839
8.669	2.414	2.392	2.335	2.260	2.188	2.139	2.122	9.517
9.123	2.426	2.404	2.346	2.270	2.199	2.149	2.132	9.986
9.830	2.442	2.420	2.362	2.286	2.214	2.164	2.146	10.718
10.570	2.457	2.435	2.377	2.300	2.228	2.177	2.160	11.485
11.084	2.466	2.445	2.386	2.309	2.236	2.186	2.168	12.017
11.886	2.479	2.457	2.398	2.321	2.248	2.198	2.180	12.847
12.727	2.490	2.468	2.409	2.332	2.259	2.209	2.191	13.718
13.307	2.497	2.475	2.416	2.339	2.266	2.215	2.197	14.318
14.203	2.506	2.484	2.425	2.348	2.275	2.224	2.206	15.246
15.134	2.513	2.492	2.433	2.356	2.283	2.232	2.214	16.210
15.775	2.518	2.496	2.437	2.361	2.288	2.237	2.219	16.873
16.767	2.524	2.502	2.444	2.367	2.294	2.244	2.226	17.900
17.799	2.529	2.507	2.449	2.373	2.300	2.249	2.232	18.968
18.510	2.532	2.510	2.452	2.376	2.303	2.253	2.235	19.705
19.615	2.535	2.514	2.456	2.380	2.308	2.257	2.240	20.849
20.766	2.539	2.517	2.460	2.384	2.312	2.261	2.244	22.041
21.562	2.541	2.519	2.462	2.386	2.314	2.264	2.246	22.864
22.798	2.543	2.522	2.464	2.389	2.317	2.267	2.249	24.144
24.089	2.545	2.524	2.467	2.392	2.320	2.270	2.252	25.481
24.983	2.546	2.525	2.468	2.393	2.321	2.271	2.254	26.406
26.373	2.547	2.526	2.470	2.395	2.323	2.273	2.256	27.845
27.827	2.549	2.528	2.471	2.396	2.325	2.275	2.258	29.350

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
28.833	2.549	2.528	2.472	2.397	2.326	2.276	2.259	30.392
30.400	2.550	2.529	2.473	2.399	2.327	2.278	2.260	32.014
32.041	2.551	2.530	2.474	2.400	2.329	2.279	2.261	33.713
33.177	2.552	2.531	2.474	2.400	2.329	2.280	2.262	34.889
34.948	2.552	2.531	2.475	2.401	2.330	2.280	2.263	36.723
36.803	2.553	2.532	2.476	2.402	2.331	2.281	2.264	38.643
38.088	2.553	2.532	2.476	2.402	2.331	2.282	2.264	39.973
40.092	2.553	2.533	2.476	2.403	2.332	2.282	2.265	42.048
42.191	2.554	2.533	2.477	2.403	2.332	2.283	2.265	44.221
43.646	2.554	2.533	2.477	2.403	2.333	2.283	2.266	45.727
45.915	2.554	2.533	2.477	2.404	2.333	2.284	2.266	48.076
48.292	2.554	2.534	2.478	2.404	2.333	2.284	2.266	50.537
49.940	2.555	2.534	2.478	2.404	2.334	2.284	2.267	52.244
52.511	2.555	2.534	2.478	2.404	2.334	2.284	2.267	54.905
55.206	2.555	2.534	2.478	2.405	2.334	2.285	2.267	57.695
57.074	2.555	2.534	2.478	2.405	2.334	2.285	2.267	59.629
59.988	2.555	2.534	2.478	2.405	2.334	2.285	2.268	62.646
63.042	2.555	2.535	2.479	2.405	2.335	2.285	2.268	65.808
65.160	2.555	2.535	2.479	2.405	2.335	2.285	2.268	68.000
68.464	2.556	2.535	2.479	2.405	2.335	2.285	2.268	71.421
71.928	2.556	2.535	2.479	2.405	2.335	2.286	2.268	75.007
74.329	2.556	2.535	2.479	2.405	2.335	2.286	2.268	77.493
78.076	2.556	2.535	2.479	2.405	2.335	2.286	2.268	81.372
82.004	2.556	2.535	2.479	2.406	2.335	2.286	2.268	85.439
84.728	2.556	2.535	2.479	2.406	2.335	2.286	2.268	88.258
88.977	2.556	2.535	2.479	2.406	2.335	2.286	2.268	92.558
93.433	2.556	2.535	2.479	2.406	2.335	2.286	2.268	97.270
96.522	2.556	2.535	2.479	2.406	2.335	2.286	2.268	100.468
101.342	2.556	2.535	2.479	2.406	2.335	2.286	2.269	105.459
106.395	2.556	2.535	2.479	2.406	2.335	2.286	2.269	110.690
109.899	2.556	2.535	2.479	2.406	2.335	2.286	2.269	114.318
115.367	2.556	2.535	2.479	2.406	2.335	2.286	2.269	119.978
121.099	2.556	2.536	2.479	2.406	2.336	2.286	2.269	125.913
125.074	2.556	2.536	2.479	2.406	2.336	2.286	2.269	130.028
131.276	2.556	2.536	2.479	2.406	2.336	2.286	2.269	136.449
137.779	2.556	2.536	2.480	2.406	2.336	2.286	2.269	143.181
142.288	2.556	2.536	2.480	2.406	2.336	2.286	2.269	147.849
149.324	2.556	2.536	2.480	2.406	2.336	2.286	2.269	155.133
156.700	2.556	2.536	2.480	2.406	2.336	2.286	2.269	162.770
161.816	2.556	2.536	2.480	2.406	2.336	2.286	2.269	168.066
169.797	2.556	2.536	2.480	2.406	2.336	2.286	2.269	176.329
178.166	2.557	2.536	2.480	2.406	2.336	2.286	2.269	184.992
183.968	2.557	2.536	2.480	2.406	2.336	2.286	2.269	191.000
193.023	2.557	2.536	2.480	2.406	2.336	2.286	2.269	200.374
202.516	2.557	2.536	2.480	2.406	2.336	2.286	2.269	210.202

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	4.183	4.150	4.064	3.948	3.835	3.754	3.725	1.309
.873	4.126	4.094	4.007	3.891	3.777	3.696	3.666	1.446
.980	4.081	4.050	3.964	3.850	3.739	3.659	3.630	1.557
1.159	3.979	3.948	3.864	3.751	3.642	3.564	3.536	1.741
1.359	3.861	3.830	3.748	3.638	3.532	3.457	3.429	1.949
1.581	3.737	3.707	3.627	3.520	3.417	3.344	3.317	2.178
1.824	3.619	3.589	3.510	3.405	3.304	3.233	3.207	2.430
2.183	3.472	3.443	3.365	3.261	3.163	3.093	3.068	2.802
2.478	3.376	3.347	3.268	3.165	3.066	2.997	2.972	3.107
2.794	3.317	3.287	3.206	3.100	3.000	2.930	2.905	3.434
3.130	3.273	3.242	3.159	3.052	2.950	2.878	2.853	3.782
3.485	3.246	3.214	3.129	3.018	2.913	2.839	2.813	4.150
3.858	3.237	3.204	3.115	3.000	2.891	2.815	2.789	4.536
4.380	3.245	3.210	3.117	2.996	2.882	2.802	2.775	5.077
4.789	3.264	3.228	3.131	3.005	2.886	2.804	2.775	5.500
5.211	3.292	3.254	3.153	3.022	2.899	2.814	2.784	5.936
5.644	3.326	3.287	3.182	3.046	2.919	2.830	2.799	6.385
6.090	3.365	3.325	3.216	3.075	2.943	2.852	2.820	6.846
6.546	3.408	3.366	3.253	3.108	2.972	2.877	2.844	7.318
7.012	3.453	3.409	3.293	3.144	3.003	2.906	2.872	7.801
7.650	3.513	3.468	3.348	3.193	3.047	2.947	2.911	8.461
8.140	3.558	3.512	3.389	3.231	3.082	2.979	2.942	8.969
8.641	3.602	3.555	3.430	3.268	3.116	3.011	2.974	9.488
9.154	3.644	3.597	3.470	3.305	3.150	3.043	3.005	10.018
9.678	3.684	3.636	3.508	3.341	3.184	3.075	3.036	10.561
10.215	3.721	3.673	3.544	3.375	3.216	3.105	3.067	11.117
10.951	3.766	3.718	3.588	3.418	3.257	3.145	3.105	11.879
11.520	3.797	3.748	3.618	3.448	3.286	3.173	3.133	12.468
12.105	3.824	3.776	3.646	3.475	3.313	3.199	3.159	13.074
12.707	3.849	3.801	3.671	3.500	3.338	3.224	3.184	13.697
13.328	3.871	3.823	3.694	3.524	3.361	3.247	3.207	14.340
13.970	3.891	3.843	3.714	3.545	3.382	3.268	3.228	15.004
14.860	3.914	3.866	3.738	3.570	3.408	3.294	3.254	15.926
15.558	3.929	3.881	3.754	3.586	3.425	3.312	3.272	16.648
16.284	3.942	3.895	3.768	3.601	3.441	3.328	3.288	17.400
17.042	3.952	3.906	3.781	3.615	3.455	3.343	3.303	18.184
17.834	3.961	3.915	3.791	3.627	3.468	3.356	3.316	19.004
18.663	3.968	3.923	3.800	3.637	3.479	3.368	3.329	19.863
19.534	3.973	3.928	3.807	3.646	3.489	3.379	3.340	20.764
20.765	3.978	3.934	3.814	3.655	3.501	3.391	3.352	22.039
21.747	3.980	3.936	3.818	3.660	3.508	3.399	3.360	23.056
22.783	3.982	3.938	3.820	3.664	3.513	3.406	3.367	24.129
23.879	3.983	3.939	3.822	3.667	3.517	3.411	3.373	25.263
25.025	3.984	3.940	3.824	3.669	3.520	3.415	3.378	26.449
26.214	3.984	3.941	3.825	3.671	3.523	3.418	3.381	27.681

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.873	3.985	3.942	3.826	3.672	3.525	3.421	3.384	29.398
29.175	3.986	3.943	3.827	3.673	3.526	3.422	3.386	30.746
30.528	3.986	3.943	3.827	3.674	3.527	3.423	3.387	32.147
31.936	3.986	3.943	3.828	3.675	3.528	3.424	3.388	33.604
33.400	3.987	3.944	3.828	3.675	3.529	3.425	3.388	35.120
34.924	3.987	3.944	3.828	3.676	3.529	3.426	3.389	36.697
37.052	3.987	3.944	3.829	3.676	3.530	3.427	3.390	38.901
38.724	3.988	3.945	3.829	3.677	3.530	3.427	3.390	40.632
40.465	3.988	3.945	3.829	3.677	3.531	3.428	3.391	42.434
42.277	3.988	3.945	3.830	3.677	3.531	3.428	3.391	44.310
44.163	3.988	3.945	3.830	3.678	3.531	3.428	3.392	46.263
46.127	3.989	3.946	3.830	3.678	3.532	3.429	3.392	48.296
48.171	3.989	3.946	3.830	3.678	3.532	3.429	3.392	50.412
51.029	3.989	3.946	3.831	3.678	3.532	3.429	3.392	53.370
53.275	3.990	3.947	3.831	3.679	3.532	3.429	3.393	55.696
55.613	3.990	3.947	3.831	3.679	3.533	3.430	3.393	58.117
58.048	3.990	3.947	3.832	3.679	3.533	3.430	3.393	60.638
60.584	3.991	3.948	3.832	3.679	3.533	3.430	3.393	63.263
63.224	3.991	3.948	3.832	3.680	3.533	3.430	3.394	65.996
66.914	3.991	3.948	3.832	3.680	3.534	3.431	3.394	69.816
69.815	3.992	3.948	3.833	3.680	3.534	3.431	3.394	72.820
72.837	3.992	3.949	3.833	3.680	3.534	3.431	3.394	75.948
75.983	3.992	3.949	3.833	3.680	3.534	3.431	3.394	79.205
79.259	3.992	3.949	3.833	3.681	3.534	3.431	3.395	82.596
82.670	3.992	3.949	3.833	3.681	3.534	3.431	3.395	86.128
87.439	3.992	3.949	3.834	3.681	3.535	3.432	3.395	91.066
91.189	3.993	3.950	3.834	3.681	3.535	3.432	3.395	94.948
95.094	3.993	3.950	3.834	3.681	3.535	3.432	3.395	98.991
99.161	3.993	3.950	3.834	3.681	3.535	3.432	3.395	103.201
103.396	3.993	3.950	3.834	3.681	3.535	3.432	3.395	107.585
107.807	3.993	3.950	3.834	3.681	3.535	3.432	3.395	112.152
112.400	3.993	3.950	3.834	3.681	3.535	3.432	3.395	116.907
118.821	3.993	3.950	3.834	3.682	3.535	3.432	3.395	123.555
123.871	3.993	3.950	3.834	3.682	3.535	3.432	3.395	128.782
129.129	3.993	3.950	3.834	3.682	3.535	3.432	3.395	134.226
134.606	3.993	3.950	3.834	3.682	3.535	3.432	3.396	139.896
140.309	3.994	3.950	3.834	3.682	3.535	3.432	3.396	145.801
146.249	3.994	3.950	3.835	3.682	3.535	3.432	3.396	151.950
154.553	3.994	3.951	3.835	3.682	3.535	3.432	3.396	160.547
161.084	3.994	3.951	3.835	3.682	3.535	3.432	3.396	167.308
167.884	3.994	3.951	3.835	3.682	3.535	3.432	3.396	174.348
174.967	3.994	3.951	3.835	3.682	3.536	3.432	3.396	181.661
182.344	3.994	3.951	3.835	3.682	3.536	3.432	3.396	189.318
190.026	3.994	3.951	3.835	3.682	3.536	3.432	3.396	197.271
200.767	3.994	3.951	3.835	3.682	3.536	3.432	3.396	208.390

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	14.482	14.362	14.041	13.611	13.193	12.894	12.786	1.309
.907	13.940	13.824	13.512	13.095	12.689	12.399	12.295	1.481
1.115	13.201	13.090	12.791	12.392	12.006	11.731	11.631	1.696
1.356	12.393	12.287	12.004	11.627	11.262	11.003	10.910	1.945
1.704	11.395	11.295	11.027	10.672	10.331	10.090	10.003	2.306
2.018	10.680	10.582	10.321	9.978	9.650	9.420	9.336	2.631
2.455	9.891	9.795	9.538	9.203	8.885	8.663	8.583	3.083
2.934	9.337	9.239	8.977	8.636	8.316	8.093	8.013	3.579
3.343	9.025	8.922	8.648	8.296	7.965	7.736	7.655	4.002
3.877	8.785	8.676	8.383	8.009	7.659	7.418	7.334	4.556
4.319	8.695	8.578	8.266	7.869	7.500	7.247	7.159	5.013
4.882	8.684	8.557	8.218	7.788	7.391	7.119	7.024	5.596
5.451	8.766	8.626	8.256	7.789	7.359	7.067	6.964	6.185
5.909	8.883	8.733	8.337	7.836	7.378	7.067	6.959	6.659
6.480	9.081	8.917	8.485	7.942	7.447	7.111	6.994	7.250
6.936	9.268	9.093	8.635	8.057	7.530	7.174	7.050	7.722
7.502	9.526	9.339	8.848	8.227	7.661	7.279	7.147	8.309
7.953	9.741	9.546	9.031	8.380	7.783	7.381	7.241	8.775
8.511	10.014	9.809	9.269	8.582	7.951	7.524	7.375	9.353
9.063	10.286	10.073	9.510	8.791	8.129	7.678	7.522	9.925
9.502	10.502	10.281	9.701	8.960	8.274	7.808	7.645	10.379
10.045	10.766	10.538	9.938	9.170	8.458	7.973	7.803	10.941
10.477	10.973	10.740	10.124	9.336	8.605	8.106	7.931	11.388
11.014	11.223	10.984	10.353	9.541	8.787	8.272	8.091	11.944
11.549	11.459	11.217	10.574	9.742	8.967	8.437	8.251	12.498
11.976	11.635	11.391	10.743	9.899	9.110	8.568	8.378	12.940
12.512	11.835	11.593	10.943	10.089	9.284	8.730	8.535	13.495
12.943	11.978	11.738	11.092	10.235	9.421	8.857	8.659	13.941
13.486	12.133	11.899	11.262	10.408	9.586	9.014	8.813	14.503
13.926	12.237	12.008	11.384	10.537	9.713	9.137	8.933	14.959
14.484	12.342	12.122	11.517	10.685	9.865	9.285	9.079	15.536
15.053	12.420	12.209	11.626	10.816	10.006	9.427	9.220	16.126
15.519	12.465	12.261	11.697	10.908	10.111	9.534	9.328	16.608
16.116	12.500	12.304	11.765	11.005	10.229	9.661	9.455	17.226
16.606	12.513	12.324	11.803	11.069	10.313	9.754	9.551	17.734
17.239	12.515	12.333	11.833	11.130	10.402	9.859	9.660	18.389
17.897	12.504	12.328	11.845	11.171	10.474	9.950	9.757	19.070
18.443	12.488	12.315	11.845	11.191	10.518	10.011	9.823	19.635
19.153	12.462	12.293	11.833	11.203	10.558	10.072	9.892	20.370
19.745	12.439	12.271	11.818	11.202	10.577	10.109	9.936	20.983
20.517	12.409	12.242	11.795	11.192	10.589	10.140	9.975	21.783
21.162	12.384	12.218	11.773	11.178	10.588	10.154	9.994	22.450
22.003	12.354	12.189	11.745	11.156	10.579	10.160	10.006	23.320
22.883	12.327	12.161	11.717	11.131	10.563	10.154	10.006	24.232
23.616	12.308	12.141	11.696	11.111	10.546	10.144	9.999	24.991

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.571	12.287	12.119	11.672	11.085	10.524	10.127	9.984	25.979
25.368	12.275	12.105	11.654	11.066	10.505	10.110	9.969	26.804
26.409	12.263	12.092	11.637	11.044	10.482	10.088	9.949	27.882
27.507	12.255	12.083	11.623	11.025	10.460	10.066	9.927	29.019
28.431	12.252	12.078	11.615	11.013	10.444	10.049	9.910	29.976
29.650	12.251	12.076	11.609	11.000	10.427	10.029	9.889	31.237
30.681	12.253	12.076	11.606	10.993	10.415	10.015	9.874	32.305
32.048	12.256	12.079	11.606	10.987	10.403	9.999	9.857	33.720
33.211	12.260	12.083	11.608	10.985	10.396	9.989	9.846	34.924
34.760	12.266	12.088	11.612	10.986	10.391	9.979	9.834	36.528
36.428	12.272	12.094	11.617	10.988	10.390	9.973	9.827	38.255
37.857	12.277	12.099	11.621	10.991	10.390	9.971	9.823	39.734
39.774	12.283	12.105	11.627	10.997	10.393	9.970	9.821	41.719
41.423	12.288	12.110	11.632	11.001	10.396	9.972	9.822	43.426
43.644	12.293	12.115	11.638	11.007	10.401	9.976	9.825	45.725
46.061	12.298	12.120	11.643	11.012	10.407	9.980	9.829	48.227
48.151	12.301	12.123	11.646	11.016	10.411	9.984	9.833	50.391
50.967	12.303	12.126	11.650	11.021	10.416	9.989	9.838	53.306
53.339	12.306	12.128	11.653	11.024	10.420	9.994	9.842	55.763
56.449	12.308	12.131	11.656	11.028	10.425	9.998	9.847	58.982
59.058	12.309	12.133	11.658	11.030	10.428	10.002	9.850	61.683
62.478	12.311	12.134	11.659	11.032	10.430	10.005	9.854	65.224
66.084	12.312	12.135	11.661	11.034	10.433	10.008	9.856	68.957
69.110	12.313	12.136	11.661	11.035	10.434	10.010	9.858	72.090
73.078	12.314	12.137	11.662	11.036	10.435	10.011	9.860	76.198
76.408	12.315	12.138	11.663	11.037	10.436	10.012	9.861	79.645
80.774	12.316	12.139	11.664	11.037	10.437	10.013	9.862	84.166
85.380	12.317	12.140	11.665	11.038	10.437	10.014	9.862	88.934
89.245	12.318	12.141	11.665	11.038	10.438	10.014	9.863	92.935
94.315	12.318	12.141	11.666	11.039	10.438	10.015	9.863	98.184
98.570	12.319	12.142	11.666	11.039	10.438	10.015	9.864	102.589
104.151	12.320	12.142	11.667	11.040	10.439	10.015	9.864	108.366
108.835	12.320	12.143	11.667	11.040	10.439	10.015	9.864	113.216
114.978	12.321	12.143	11.668	11.040	10.439	10.016	9.864	119.576
121.459	12.321	12.144	11.668	11.041	10.439	10.016	9.864	126.286
126.899	12.321	12.144	11.668	11.041	10.440	10.016	9.864	131.917
134.034	12.322	12.145	11.669	11.041	10.440	10.016	9.864	139.304
140.024	12.322	12.145	11.669	11.042	10.440	10.016	9.865	145.505
147.880	12.322	12.145	11.669	11.042	10.440	10.016	9.865	153.638
156.167	12.322	12.145	11.670	11.042	10.440	10.016	9.865	162.218
163.124	12.322	12.145	11.670	11.042	10.441	10.016	9.865	169.420
172.249	12.323	12.146	11.670	11.042	10.441	10.017	9.865	178.867
179.908	12.323	12.146	11.670	11.043	10.441	10.017	9.865	186.796
189.955	12.323	12.146	11.670	11.043	10.441	10.017	9.865	197.198
200.554	12.323	12.146	11.670	11.043	10.441	10.017	9.865	208.171

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	31.625	31.361	30.649	29.697	28.770	28.109	27.870	1.309
.951	29.910	29.658	28.978	28.071	27.191	26.563	26.336	1.526
1.162	28.128	27.887	27.239	26.376	25.542	24.948	24.732	1.744
1.538	25.310	25.087	24.492	23.703	22.943	22.405	22.210	2.134
1.906	23.137	22.925	22.359	21.613	20.899	20.397	20.216	2.515
2.407	20.894	20.689	20.142	19.428	18.750	18.276	18.107	3.034
2.869	19.545	19.337	18.782	18.062	17.385	16.914	16.747	3.512
3.464	18.435	18.214	17.625	16.869	16.163	15.677	15.505	4.128
3.983	17.896	17.659	17.029	16.225	15.479	14.968	14.788	4.665
4.513	17.641	17.383	16.700	15.834	15.035	14.491	14.300	5.214
5.156	17.635	17.347	16.587	15.630	14.754	14.160	13.953	5.880
5.692	17.828	17.510	16.677	15.633	14.682	14.041	13.818	6.434
6.330	18.239	17.884	16.956	15.797	14.748	14.043	13.799	7.095
6.854	18.686	18.301	17.295	16.037	14.900	14.139	13.876	7.638
7.473	19.294	18.877	17.785	16.413	15.172	14.341	14.054	8.278
7.979	19.829	19.388	18.231	16.774	15.451	14.563	14.256	8.802
8.572	20.490	20.020	18.790	17.239	15.825	14.874	14.545	9.417
9.057	21.057	20.562	19.269	17.641	16.157	15.157	14.810	9.918
9.531	21.641	21.119	19.760	18.053	16.500	15.454	15.090	10.409
10.088	22.357	21.805	20.365	18.559	16.921	15.821	15.439	10.985
10.543	22.955	22.381	20.881	18.992	17.281	16.134	15.737	11.456
11.079	23.656	23.063	21.503	19.523	17.724	16.519	16.103	12.012
11.520	24.211	23.609	22.015	19.971	18.102	16.849	16.415	12.468
12.042	24.826	24.223	22.609	20.508	18.564	17.254	16.800	13.009
12.475	25.287	24.689	23.077	20.947	18.952	17.598	17.129	13.457
12.906	25.693	25.107	23.512	21.372	19.339	17.947	17.463	13.903
13.424	26.106	25.540	23.984	21.857	19.797	18.369	17.869	14.439
13.857	26.386	25.840	24.329	22.234	20.169	18.719	18.208	14.887
14.381	26.646	26.128	24.683	22.645	20.595	19.132	18.613	15.430
14.822	26.802	26.309	24.924	22.949	20.929	19.467	18.944	15.887
15.361	26.923	26.459	25.151	23.264	21.299	19.851	19.328	16.444
15.818	26.975	26.533	25.289	23.482	21.577	20.153	19.634	16.918
16.379	26.986	26.569	25.398	23.691	21.869	20.486	19.977	17.499
16.860	26.961	26.561	25.444	23.820	22.075	20.736	20.239	17.996
17.353	26.911	26.526	25.456	23.911	22.246	20.958	20.476	18.507
17.965	26.824	26.454	25.432	23.972	22.404	21.182	20.722	19.140
18.492	26.735	26.375	25.385	23.986	22.496	21.333	20.892	19.686
19.147	26.613	26.262	25.304	23.967	22.562	21.468	21.053	20.364
19.712	26.505	26.159	25.220	23.926	22.582	21.544	21.150	20.949
20.413	26.377	26.031	25.106	23.853	22.571	21.593	21.223	21.674
21.017	26.276	25.928	25.006	23.776	22.537	21.602	21.251	22.300
21.639	26.185	25.833	24.906	23.690	22.485	21.587	21.252	22.944
22.411	26.093	25.734	24.792	23.579	22.404	21.542	21.224	23.743
23.074	26.033	25.666	24.708	23.486	22.326	21.487	21.180	24.430
23.898	25.978	25.603	24.622	23.380	22.224	21.406	21.109	25.282

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.608	25.946	25.565	24.565	23.301	22.138	21.329	21.038	26.018
25.493	25.922	25.534	24.513	23.219	22.037	21.231	20.944	26.934
26.262	25.913	25.520	24.483	23.163	21.960	21.148	20.862	27.730
27.224	25.913	25.515	24.461	23.111	21.879	21.052	20.765	28.726
28.064	25.919	25.518	24.452	23.081	21.823	20.980	20.688	29.596
28.941	25.930	25.526	24.451	23.061	21.778	20.916	20.619	30.503
30.048	25.947	25.541	24.458	23.049	21.738	20.853	20.548	31.649
31.020	25.964	25.556	24.468	23.047	21.717	20.813	20.501	32.656
32.253	25.987	25.578	24.485	23.053	21.703	20.779	20.458	33.932
33.341	26.008	25.598	24.501	23.062	21.700	20.761	20.435	35.059
34.729	26.034	25.624	24.524	23.079	21.704	20.752	20.419	36.496
35.961	26.055	25.645	24.545	23.095	21.713	20.752	20.414	37.771
37.269	26.074	25.666	24.566	23.113	21.726	20.758	20.417	39.125
38.949	26.094	25.686	24.590	23.137	21.745	20.771	20.427	40.864
40.452	26.106	25.700	24.608	23.158	21.763	20.785	20.439	42.420
42.393	26.117	25.713	24.625	23.181	21.787	20.806	20.458	44.430
44.139	26.122	25.720	24.636	23.198	21.807	20.825	20.476	46.238
46.407	26.127	25.725	24.645	23.213	21.829	20.848	20.500	48.585
48.456	26.128	25.727	24.649	23.222	21.845	20.868	20.520	50.707
51.132	26.129	25.729	24.652	23.230	21.859	20.888	20.541	53.477
53.562	26.129	25.729	24.653	23.233	21.867	20.900	20.556	55.993
56.195	26.129	25.728	24.653	23.235	21.872	20.909	20.566	58.719
59.652	26.128	25.727	24.652	23.235	21.875	20.916	20.574	62.298
62.803	26.128	25.727	24.652	23.234	21.876	20.918	20.578	65.561
66.824	26.130	25.728	24.652	23.234	21.876	20.919	20.579	69.723
70.359	26.133	25.732	24.654	23.235	21.876	20.920	20.579	73.383
74.836	26.137	25.735	24.657	23.236	21.876	20.919	20.578	78.018
78.774	26.140	25.738	24.659	23.237	21.876	20.919	20.577	82.095
82.910	26.143	25.741	24.661	23.239	21.877	20.918	20.576	86.376
88.148	26.146	25.744	24.664	23.241	21.878	20.918	20.575	91.799
92.755	26.149	25.747	24.667	23.243	21.879	20.918	20.575	96.569
98.591	26.152	25.749	24.669	23.245	21.880	20.919	20.575	102.610
103.724	26.154	25.751	24.671	23.247	21.881	20.920	20.576	107.924
110.226	26.155	25.753	24.673	23.248	21.883	20.921	20.577	114.656
115.945	26.157	25.754	24.674	23.250	21.884	20.922	20.578	120.577
123.190	26.158	25.756	24.676	23.251	21.885	20.923	20.579	128.077
129.563	26.159	25.756	24.677	23.252	21.886	20.924	20.580	134.675
136.258	26.159	25.757	24.677	23.253	21.887	20.924	20.580	141.606
144.739	26.160	25.758	24.678	23.254	21.888	20.925	20.581	150.386
152.200	26.160	25.758	24.679	23.254	21.888	20.926	20.581	158.110
161.652	26.161	25.759	24.679	23.255	21.889	20.926	20.582	167.896
169.967	26.161	25.759	24.679	23.255	21.889	20.926	20.582	176.505
180.502	26.161	25.759	24.680	23.256	21.890	20.927	20.582	187.411
189.769	26.161	25.759	24.680	23.256	21.890	20.927	20.582	197.005
201.511	26.162	25.760	24.680	23.256	21.890	20.927	20.582	209.161

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	55.627	55.160	53.901	52.218	50.581	49.411	48.989	1.309
.949	52.512	52.066	50.867	49.267	47.714	46.607	46.207	1.524
1.215	48.468	48.049	46.925	45.429	43.982	42.954	42.581	1.799
1.600	43.430	43.044	42.011	40.644	39.329	38.400	38.064	2.198
2.053	38.947	38.580	37.604	36.320	35.095	34.234	33.924	2.667
2.568	35.250	34.891	33.933	32.689	31.512	30.692	30.399	3.201
3.135	32.694	32.324	31.336	30.064	28.874	28.051	27.759	3.787
3.737	31.095	30.697	29.639	28.287	27.030	26.167	25.863	4.410
4.358	30.277	29.839	28.680	27.210	25.855	24.931	24.607	5.054
4.883	30.073	29.593	28.329	26.735	25.275	24.285	23.940	5.596
5.511	30.280	29.740	28.327	26.557	24.949	23.866	23.489	6.247
6.134	30.867	30.262	28.683	26.714	24.937	23.746	23.333	6.892
6.746	31.717	31.048	29.301	27.124	25.163	23.855	23.402	7.525
7.345	32.713	31.987	30.089	27.711	25.567	24.137	23.643	8.146
7.929	33.776	32.999	30.965	28.409	26.093	24.544	24.009	8.750
8.497	34.885	34.054	31.886	29.164	26.693	25.035	24.461	9.338
9.048	36.051	35.160	32.845	29.953	27.334	25.575	24.966	9.909
9.585	37.280	36.325	33.851	30.774	28.002	26.146	25.504	10.464
10.020	38.340	37.335	34.728	31.486	28.578	26.636	25.968	10.915
10.530	39.626	38.569	35.815	32.376	29.295	27.249	26.544	11.443
11.028	40.890	39.796	36.923	33.300	30.043	27.884	27.142	11.959
11.516	42.092	40.977	38.024	34.247	30.821	28.547	27.765	12.464
11.997	43.200	42.082	39.091	35.200	31.624	29.236	28.415	12.962
12.472	44.190	43.086	40.099	36.141	32.442	29.949	29.089	13.453
12.943	45.047	43.971	41.028	37.052	33.265	30.681	29.785	13.941
13.412	45.765	44.727	41.861	37.916	34.079	31.423	30.496	14.427
13.882	46.339	45.350	42.589	38.718	34.873	32.167	31.215	14.914
14.276	46.712	45.766	43.109	39.330	35.509	32.781	31.813	15.321
14.752	47.037	46.146	43.628	39.988	36.232	33.502	32.523	15.814
15.234	47.241	46.405	44.031	40.555	36.900	34.194	33.215	16.313
15.724	47.339	46.553	44.322	41.028	37.503	34.848	33.877	16.821
16.225	47.346	46.606	44.509	41.403	38.034	35.454	34.500	17.339
16.738	47.276	46.577	44.602	41.682	38.485	36.001	35.073	17.870
17.265	47.142	46.478	44.611	41.868	38.853	36.482	35.588	18.416
17.809	46.953	46.320	44.549	41.967	39.134	36.888	36.035	18.979
18.370	46.722	46.113	44.425	41.988	39.330	37.216	36.408	19.559
18.851	46.507	45.913	44.282	41.952	39.430	37.426	36.658	20.057
19.445	46.238	45.654	44.072	41.854	39.480	37.604	36.884	20.672
20.057	45.975	45.390	43.833	41.704	39.462	37.704	37.031	21.306
20.688	45.731	45.138	43.580	41.513	39.385	37.734	37.104	21.959
21.337	45.520	44.912	43.332	41.293	39.257	37.700	37.110	22.632
22.006	45.344	44.720	43.102	41.059	39.089	37.613	37.057	23.324
22.694	45.207	44.565	42.901	40.827	38.891	37.480	36.954	24.037
23.404	45.106	44.446	42.733	40.608	38.675	37.310	36.809	24.771
24.136	45.040	44.363	42.601	40.413	38.456	37.115	36.632	25.529

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
24.765	45.007	44.317	42.517	40.274	38.278	36.940	36.466	26.180
25.546	44.990	44.288	42.446	40.135	38.082	36.727	36.256	26.989
26.359	44.993	44.281	42.403	40.029	37.909	36.522	36.046	27.830
27.205	45.010	44.291	42.386	39.954	37.766	36.334	35.846	28.706
28.089	45.038	44.313	42.387	39.908	37.653	36.171	35.667	29.622
29.014	45.073	44.345	42.403	39.886	37.571	36.037	35.514	30.579
29.984	45.115	44.383	42.430	39.884	37.518	35.933	35.391	31.584
31.004	45.163	44.428	42.464	39.897	37.490	35.860	35.299	32.639
32.078	45.214	44.476	42.505	39.922	37.483	35.814	35.236	33.751
33.018	45.258	44.520	42.543	39.948	37.490	35.795	35.206	34.724
34.207	45.310	44.572	42.592	39.986	37.509	35.791	35.190	35.955
35.467	45.357	44.622	42.644	40.030	37.539	35.804	35.194	37.260
36.808	45.397	44.666	42.694	40.079	37.576	35.828	35.212	38.648
38.237	45.430	44.702	42.740	40.129	37.619	35.861	35.241	40.128
39.766	45.453	44.729	42.778	40.178	37.666	35.901	35.278	41.710
41.406	45.468	44.748	42.807	40.222	37.716	35.947	35.321	43.408
43.170	45.475	44.758	42.827	40.259	37.765	35.996	35.369	45.235
45.075	45.478	44.762	42.839	40.286	37.809	36.046	35.419	47.206
46.782	45.477	44.763	42.843	40.301	37.838	36.085	35.460	48.974
48.992	45.474	44.761	42.844	40.311	37.865	36.126	35.505	51.261
51.399	45.470	44.757	42.842	40.314	37.882	36.157	35.541	53.754
54.029	45.465	44.751	42.838	40.313	37.890	36.177	35.566	56.477
56.911	45.461	44.746	42.832	40.309	37.891	36.187	35.580	59.460
60.076	45.458	44.743	42.826	40.303	37.888	36.188	35.585	62.737
63.559	45.459	44.743	42.823	40.297	37.882	36.184	35.582	66.343
67.400	45.462	44.745	42.822	40.292	37.874	36.177	35.575	70.319
71.546	45.468	44.750	42.825	40.290	37.867	36.168	35.565	74.611
75.185	45.476	44.758	42.831	40.293	37.865	36.162	35.557	78.379
79.786	45.485	44.767	42.839	40.299	37.866	36.158	35.550	83.142
84.656	45.492	44.774	42.846	40.304	37.868	36.155	35.545	88.184
89.809	45.499	44.781	42.852	40.309	37.871	36.155	35.543	93.519
95.265	45.505	44.787	42.858	40.314	37.876	36.158	35.544	99.167
101.039	45.510	44.792	42.863	40.319	37.880	36.161	35.546	105.145
107.151	45.514	44.796	42.868	40.323	37.883	36.164	35.549	111.473
113.621	45.517	44.799	42.871	40.327	37.887	36.167	35.552	118.171
120.471	45.519	44.801	42.873	40.330	37.890	36.170	35.555	125.262
126.484	45.520	44.802	42.875	40.331	37.892	36.172	35.557	131.488
134.088	45.522	44.804	42.877	40.333	37.894	36.174	35.559	139.360
142.139	45.523	44.805	42.878	40.335	37.895	36.175	35.560	147.695
150.662	45.523	44.806	42.879	40.336	37.896	36.176	35.561	156.518
159.685	45.524	44.807	42.880	40.337	37.897	36.177	35.561	165.860
169.239	45.525	44.808	42.881	40.338	37.898	36.177	35.562	175.751
179.354	45.526	44.808	42.881	40.339	37.899	36.178	35.562	186.223
190.063	45.526	44.809	42.882	40.339	37.900	36.178	35.562	197.310
201.402	45.527	44.809	42.883	40.340	37.900	36.179	35.562	209.048

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	86.486	85.757	83.791	81.171	78.622	76.797	76.138	1.309
.991	80.494	79.807	77.957	75.494	73.106	71.404	70.789	1.568
1.254	74.276	73.631	71.901	69.600	67.377	65.798	65.226	1.840
1.630	66.685	66.087	64.493	62.384	60.359	58.927	58.409	2.230
2.070	59.977	59.408	57.898	55.912	54.017	52.687	52.207	2.684
2.567	54.349	53.794	52.315	50.394	48.579	47.315	46.864	3.199
3.210	49.910	49.334	47.799	45.826	43.982	42.710	42.261	3.864
3.796	47.591	46.971	45.326	43.226	41.277	39.941	39.472	4.472
4.401	46.392	45.710	43.908	41.625	39.525	38.095	37.595	5.098
5.013	46.093	45.331	43.330	40.815	38.520	36.968	36.427	5.732
5.623	46.500	45.645	43.410	40.618	38.090	36.391	35.801	6.363
6.227	47.447	46.491	43.999	40.897	38.105	36.239	35.593	6.988
6.916	48.997	47.930	45.144	41.671	38.549	36.470	35.753	7.702
7.493	50.518	49.368	46.359	42.592	39.194	36.930	36.149	8.299
8.054	52.120	50.891	47.679	43.648	39.997	37.557	36.714	8.880
8.599	53.804	52.487	49.060	44.775	40.893	38.292	37.392	9.444
9.128	55.594	54.178	50.511	45.952	41.843	39.091	38.139	9.991
9.725	57.819	56.283	52.311	47.396	43.001	40.073	39.062	10.610
10.221	59.802	58.172	53.945	48.707	44.041	40.952	39.888	11.123
10.704	61.795	60.089	55.639	50.084	45.134	41.869	40.749	11.623
11.176	63.736	61.978	57.355	51.516	46.282	42.832	41.650	12.111
11.638	65.568	63.787	59.053	52.981	47.480	43.841	42.595	12.590
12.092	67.249	65.469	60.692	54.454	48.717	44.896	43.585	13.061
12.616	68.977	67.231	62.482	56.144	50.190	46.176	44.793	13.603
13.061	70.238	68.543	63.881	57.538	51.460	47.306	45.866	14.064
13.505	71.287	69.658	65.134	58.857	52.715	48.451	46.963	14.523
13.949	72.124	70.574	66.225	60.079	53.937	49.600	48.072	14.983
14.395	72.756	71.290	67.147	61.189	55.107	50.736	49.182	15.445
14.920	73.251	71.887	68.005	62.324	56.385	52.026	50.457	15.988
15.376	73.489	72.209	68.556	63.149	57.388	53.082	51.517	16.461
15.840	73.579	72.377	68.946	63.832	58.291	54.078	52.530	16.941
16.314	73.538	72.407	69.186	64.370	59.085	55.000	53.483	17.431
16.799	73.384	72.318	69.289	64.767	59.760	55.833	54.360	17.934
17.298	73.131	72.124	69.270	65.026	60.310	56.566	55.149	18.449
17.897	72.731	71.782	69.111	65.169	60.789	57.281	55.941	19.070
18.426	72.323	71.411	68.873	65.165	61.062	57.765	56.498	19.618
18.971	71.881	70.991	68.555	65.057	61.214	58.127	56.936	20.182
19.531	71.436	70.551	68.178	64.857	61.255	58.369	57.255	20.761
20.106	71.011	70.118	67.764	64.580	61.193	58.497	57.457	21.357
20.796	70.571	69.654	67.274	64.181	61.008	58.514	57.556	22.071
21.405	70.251	69.307	66.874	63.798	60.766	58.427	57.533	22.702
22.029	69.991	69.018	66.513	63.405	60.464	58.258	57.421	23.348
22.669	69.791	68.786	66.201	63.023	60.120	58.018	57.231	24.011
23.327	69.647	68.613	65.943	62.670	59.754	57.721	56.975	24.692
24.005	69.555	68.493	65.740	62.359	59.387	57.386	56.668	25.394

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.824	69.502	68.413	65.571	62.056	58.981	56.969	56.267	26.242
25.553	69.495	68.387	65.480	61.851	58.669	56.613	55.909	26.996
26.309	69.514	68.392	65.431	61.697	58.399	56.276	55.558	27.779
27.095	69.552	68.420	65.418	61.592	58.176	55.972	55.230	28.592
27.913	69.605	68.464	65.431	61.530	58.002	55.710	54.938	29.439
28.765	69.669	68.522	65.465	61.505	57.877	55.494	54.689	30.322
29.809	69.756	68.602	65.524	61.513	57.787	55.304	54.460	31.402
30.748	69.838	68.680	65.587	61.543	57.752	55.193	54.317	32.375
31.734	69.924	68.764	65.659	61.589	57.750	55.127	54.221	33.395
32.769	70.011	68.850	65.738	61.648	57.771	55.099	54.169	34.467
33.860	70.093	68.935	65.822	61.717	57.811	55.102	54.153	35.596
35.208	70.179	69.027	65.921	61.806	57.876	55.135	54.171	36.991
36.436	70.241	69.094	66.001	61.889	57.943	55.183	54.210	38.263
37.738	70.289	69.149	66.073	61.972	58.018	55.244	54.255	39.611
39.123	70.324	69.191	66.132	62.052	58.100	55.316	54.332	41.045
40.600	70.346	69.219	66.179	62.123	58.183	55.395	54.408	42.573
42.179	70.357	69.234	66.211	62.182	58.263	55.479	54.490	44.208
44.167	70.359	69.240	66.231	62.233	58.346	55.576	54.590	46.267
46.014	70.354	69.237	66.237	62.260	58.404	55.653	54.671	48.179
48.010	70.345	69.230	66.235	62.274	58.446	55.718	54.744	50.245
50.173	70.333	69.219	66.227	62.277	58.473	55.769	54.803	52.485
52.526	70.322	69.206	66.215	62.272	58.485	55.803	54.846	54.921
55.543	70.311	69.194	66.200	62.259	58.484	55.821	54.874	58.044
58.394	70.307	69.188	66.188	62.244	58.474	55.823	54.881	60.995
61.520	70.307	69.185	66.181	62.230	58.459	55.813	54.875	64.232
64.957	70.311	69.188	66.178	62.218	58.441	55.797	54.860	67.790
68.742	70.318	69.194	66.179	62.211	58.424	55.775	54.838	71.709
72.879	70.327	69.202	66.185	62.210	58.411	55.753	54.813	75.991
78.019	70.345	69.220	66.200	62.219	58.408	55.737	54.789	81.313
82.698	70.360	69.235	66.215	62.231	58.413	55.731	54.777	86.157
87.646	70.371	69.246	66.226	62.241	58.420	55.730	54.771	91.279
92.877	70.382	69.257	66.236	62.250	58.426	55.732	54.770	96.695
98.409	70.390	69.266	66.246	62.260	58.434	55.737	54.773	102.422
105.265	70.398	69.274	66.254	62.269	58.444	55.745	54.779	109.520
111.508	70.403	69.279	66.260	62.275	58.450	55.751	54.785	115.983
118.110	70.407	69.283	66.265	62.280	58.456	55.757	54.791	122.816
125.093	70.409	69.286	66.268	62.284	58.460	55.762	54.796	130.047
132.477	70.412	69.288	66.270	62.286	58.463	55.765	54.799	137.692
140.287	70.414	69.290	66.273	62.289	58.465	55.767	54.802	145.777
149.969	70.416	69.292	66.275	62.292	58.468	55.769	54.803	155.801
158.787	70.417	69.293	66.276	62.293	58.470	55.770	54.804	164.930
168.114	70.418	69.295	66.277	62.294	58.471	55.771	54.805	174.586
177.979	70.419	69.296	66.279	62.296	58.472	55.772	54.805	184.799
188.412	70.420	69.297	66.280	62.297	58.473	55.773	54.805	195.600
201.348	70.421	69.298	66.281	62.298	58.475	55.774	54.805	208.992

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	124.200	123.152	120.328	116.563	112.891	110.267	109.320	1.309
.991	115.534	114.545	111.888	108.349	104.916	102.471	101.587	1.567
1.253	106.556	105.628	103.144	99.839	96.647	94.379	93.558	1.839
1.628	95.597	94.739	92.452	89.425	86.517	84.462	83.719	2.227
2.145	84.321	83.521	81.381	78.567	75.886	74.008	73.333	2.762
2.650	76.707	75.910	73.788	71.035	68.439	66.633	65.988	3.286
3.203	71.334	70.511	68.315	65.492	62.856	61.037	60.395	3.857
3.886	67.541	66.642	64.257	61.219	58.406	56.479	55.802	4.565
4.490	65.996	65.004	62.386	59.075	56.034	53.967	53.244	5.190
5.099	65.695	64.585	61.674	58.021	54.694	52.447	51.665	5.820
5.805	66.564	65.294	61.979	57.847	54.118	51.618	50.751	6.551
6.400	68.079	66.664	62.976	58.391	54.272	51.526	50.576	7.168
6.984	70.029	68.482	64.440	59.402	54.877	51.866	50.828	7.772
7.646	72.563	70.880	66.478	60.963	55.985	52.667	51.523	8.457
8.196	74.854	73.054	68.359	62.476	57.150	53.588	52.358	9.027
8.729	77.280	75.347	70.329	64.075	58.424	54.639	53.330	9.579
9.331	80.327	78.219	72.772	66.034	59.993	55.961	54.567	10.202
9.830	83.106	80.848	75.013	67.813	61.402	57.149	55.682	10.718
10.314	85.973	83.580	77.375	69.697	62.883	58.388	56.844	11.219
10.862	89.312	86.799	80.231	72.019	64.713	59.911	58.268	11.787
11.320	92.068	89.493	82.699	74.090	66.370	61.292	59.557	12.261
11.769	94.649	92.050	85.125	76.201	68.098	62.745	60.914	12.726
12.284	97.365	94.787	87.827	78.663	70.182	64.523	62.582	13.259
12.720	99.400	96.874	89.981	80.728	72.000	66.106	64.075	13.711
13.153	101.142	98.696	91.948	82.712	73.820	67.729	65.617	14.159
13.656	102.793	100.467	93.972	84.882	75.912	69.649	67.458	14.680
14.088	103.886	101.679	95.457	86.588	77.647	71.295	69.051	15.126
14.522	104.695	102.614	96.702	88.129	79.302	72.918	70.641	15.575
15.032	105.310	103.375	97.847	89.696	81.102	74.754	72.462	16.104
15.476	105.585	103.769	98.573	90.830	82.511	76.254	73.972	16.564
15.928	105.656	103.953	99.076	91.762	83.777	77.666	75.413	17.032
16.467	105.513	103.930	99.403	92.596	85.056	79.176	76.982	17.589
16.941	105.219	103.730	99.481	93.096	85.969	80.332	78.208	18.080
17.428	104.787	103.382	99.390	93.407	86.704	81.343	79.304	18.584
18.012	104.142	102.818	99.091	93.548	87.334	82.321	80.397	19.189
18.527	103.508	102.231	98.691	93.492	87.682	82.977	81.161	19.723
19.056	102.842	101.589	98.182	93.290	87.861	83.461	81.757	20.270
19.691	102.078	100.824	97.494	92.891	87.873	83.816	82.242	20.927
20.250	101.473	100.196	96.865	92.432	87.728	83.948	82.483	21.506
20.823	100.939	99.627	96.243	91.897	87.457	83.934	82.571	22.099
21.510	100.418	99.057	95.566	91.219	87.003	83.749	82.496	22.810
22.113	100.065	98.659	95.053	90.633	86.525	83.462	82.295	23.435
22.732	99.798	98.345	94.615	90.074	85.995	83.075	81.982	24.076
23.475	99.588	98.083	94.205	89.485	85.350	82.529	81.501	24.845
24.132	99.484	97.939	93.939	89.049	84.807	82.007	81.015	25.525

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 1.00

L/RN		P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
24.811	99.439	97.861	93.750	88.685	84.300	81.467	80.488	26.227
25.512	99.439	97.836	93.630	88.395	83.843	80.936	79.949	26.953
26.362	99.485	97.859	93.565	88.150	83.391	80.358	79.341	27.833
27.120	99.552	97.911	93.561	88.015	83.078	79.918	78.862	28.619
27.909	99.639	97.986	93.593	87.941	82.837	79.541	78.437	29.435
28.869	99.760	98.097	93.665	87.918	82.644	79.188	78.025	30.429
29.731	99.876	98.206	93.749	87.941	82.548	78.964	77.749	31.321
30.631	100.001	98.326	93.848	87.993	82.507	78.809	77.544	32.253
31.734	100.152	98.475	93.979	88.082	82.514	78.708	77.394	33.395
32.728	100.278	98.602	94.102	88.177	82.556	78.681	77.331	34.425
33.773	100.397	98.726	94.229	88.285	82.625	78.696	77.320	35.506
35.061	100.519	98.856	94.374	88.424	82.729	78.756	77.357	36.839
36.230	100.605	98.951	94.490	88.548	82.834	78.834	77.422	38.050
37.466	100.673	99.029	94.592	88.671	82.951	78.930	77.510	39.329
39.002	100.729	99.096	94.689	88.805	83.095	79.061	77.634	40.919
40.408	100.756	99.132	94.753	88.906	83.218	79.184	77.753	42.375
41.907	100.769	99.153	94.796	88.989	83.335	79.311	77.880	43.927
43.789	100.769	99.158	94.823	89.060	83.454	79.455	78.030	45.875
45.530	100.758	99.151	94.830	89.099	83.537	79.567	78.151	47.678
47.406	100.742	99.136	94.824	89.118	83.599	79.663	78.257	49.620
49.788	100.718	99.113	94.806	89.120	83.642	79.748	78.357	52.086
52.018	100.698	99.091	94.785	89.109	83.657	79.795	78.417	54.394
54.444	100.683	99.074	94.761	89.089	83.655	79.818	78.452	56.906
57.556	100.674	99.060	94.738	89.059	83.635	79.821	78.465	60.128
60.498	100.673	99.057	94.725	89.033	83.608	79.805	78.456	63.174
63.727	100.678	99.059	94.720	89.013	83.577	79.777	78.431	66.516
67.902	100.690	99.069	94.722	89.000	83.543	79.734	78.388	70.839
71.874	100.704	99.081	94.730	88.996	83.521	79.696	78.345	74.951
76.156	100.721	99.098	94.743	89.001	83.508	79.665	78.306	79.385
81.460	100.750	99.127	94.770	89.021	83.513	79.647	78.276	84.876
86.286	100.769	99.147	94.790	89.041	83.524	79.643	78.262	89.872
91.386	100.783	99.161	94.805	89.055	83.536	79.645	78.257	95.151
97.702	100.798	99.177	94.822	89.072	83.550	79.653	78.260	101.690
103.450	100.809	99.188	94.833	89.085	83.563	79.663	78.267	107.641
109.524	100.817	99.196	94.842	89.095	83.574	79.673	78.276	113.929
117.049	100.824	99.204	94.851	89.104	83.585	79.685	78.288	121.720
123.897	100.828	99.208	94.856	89.110	83.591	79.692	78.296	128.810
131.136	100.831	99.211	94.859	89.114	83.596	79.698	78.302	136.304
140.104	100.835	99.215	94.863	89.118	83.600	79.702	78.306	145.588
148.267	100.837	99.218	94.867	89.121	83.603	79.704	78.308	154.039
156.896	100.839	99.219	94.869	89.124	83.606	79.707	78.310	162.972
167.587	100.841	99.222	94.871	89.126	83.609	79.709	78.311	174.040
177.318	100.843	99.223	94.873	89.129	83.610	79.710	78.311	184.114
187.604	100.844	99.225	94.875	89.131	83.612	79.711	78.312	194.764
200.349	100.846	99.226	94.876	89.133	83.615	79.712	78.312	207.958

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	3.106	3.085	3.030	2.956	2.883	2.831	2.812	1.222
.765	3.129	3.108	3.050	2.972	2.896	2.842	2.822	1.335
.845	3.159	3.138	3.080	3.002	2.925	2.871	2.851	1.421
1.019	3.163	3.141	3.082	3.003	2.926	2.871	2.851	1.606
1.161	3.152	3.130	3.071	2.992	2.914	2.859	2.839	1.757
1.313	3.135	3.112	3.053	2.974	2.897	2.842	2.822	1.919
1.532	3.109	3.086	3.027	2.947	2.870	2.815	2.795	2.152
1.708	3.092	3.070	3.010	2.930	2.852	2.797	2.777	2.339
1.892	3.081	3.058	2.997	2.917	2.839	2.783	2.763	2.535
2.153	3.053	3.031	2.970	2.889	2.811	2.756	2.736	2.813
2.360	3.044	3.021	2.958	2.875	2.796	2.739	2.719	3.033
2.577	3.059	3.035	2.971	2.885	2.803	2.745	2.725	3.264
2.880	3.078	3.054	2.988	2.902	2.818	2.760	2.739	3.586
3.116	3.095	3.070	3.003	2.914	2.829	2.769	2.747	3.838
3.443	3.126	3.100	3.030	2.939	2.851	2.788	2.766	4.186
3.697	3.150	3.124	3.053	2.960	2.870	2.807	2.785	4.456
3.958	3.176	3.150	3.077	2.982	2.891	2.826	2.804	4.733
4.315	3.212	3.185	3.110	3.013	2.920	2.854	2.830	5.114
4.591	3.239	3.211	3.136	3.037	2.942	2.875	2.852	5.408
4.874	3.265	3.237	3.161	3.061	2.965	2.897	2.873	5.709
5.263	3.300	3.271	3.194	3.092	2.994	2.925	2.901	6.122
5.563	3.324	3.295	3.217	3.114	3.016	2.946	2.921	6.442
5.872	3.347	3.318	3.240	3.136	3.037	2.966	2.942	6.770
6.297	3.376	3.347	3.268	3.164	3.063	2.992	2.967	7.223
6.628	3.395	3.366	3.287	3.183	3.082	3.011	2.986	7.575
6.969	3.413	3.384	3.305	3.201	3.100	3.029	3.003	7.938
7.442	3.433	3.404	3.326	3.223	3.122	3.050	3.025	8.441
7.812	3.446	3.418	3.340	3.237	3.137	3.066	3.040	8.834
8.326	3.461	3.433	3.356	3.254	3.155	3.084	3.059	9.382
8.729	3.471	3.443	3.367	3.265	3.167	3.096	3.071	9.811
9.149	3.480	3.452	3.376	3.275	3.177	3.107	3.082	10.258
9.737	3.489	3.461	3.386	3.286	3.189	3.120	3.095	10.884
10.202	3.496	3.468	3.393	3.294	3.197	3.128	3.104	11.378
10.688	3.501	3.473	3.399	3.300	3.204	3.135	3.111	11.896
11.374	3.507	3.479	3.406	3.307	3.212	3.144	3.119	12.625
11.918	3.510	3.483	3.410	3.312	3.217	3.149	3.125	13.205
12.491	3.513	3.486	3.413	3.316	3.221	3.154	3.130	13.814
13.303	3.516	3.489	3.416	3.320	3.226	3.159	3.135	14.678
13.951	3.518	3.491	3.419	3.322	3.229	3.162	3.138	15.368
14.872	3.519	3.493	3.421	3.325	3.232	3.166	3.142	16.348
15.609	3.521	3.494	3.422	3.326	3.234	3.168	3.144	17.133
16.390	3.521	3.495	3.423	3.328	3.235	3.169	3.146	17.963
17.504	3.522	3.496	3.424	3.329	3.237	3.171	3.148	19.148
18.398	3.523	3.496	3.425	3.330	3.238	3.172	3.149	20.100
19.337	3.523	3.497	3.425	3.330	3.238	3.173	3.150	21.099

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
20.654	3.524	3.497	3.426	3.331	3.239	3.174	3.151	22.501
21.694	3.524	3.498	3.427	3.332	3.240	3.175	3.151	23.608
22.781	3.525	3.498	3.427	3.332	3.241	3.175	3.152	24.764
24.306	3.525	3.499	3.427	3.333	3.241	3.176	3.153	26.387
25.510	3.526	3.499	3.428	3.333	3.241	3.176	3.153	27.668
26.768	3.526	3.499	3.428	3.333	3.242	3.177	3.153	29.007
28.535	3.526	3.500	3.429	3.334	3.242	3.177	3.154	30.888
29.930	3.527	3.500	3.429	3.334	3.242	3.177	3.154	32.373
31.889	3.527	3.500	3.429	3.334	3.243	3.178	3.154	34.458
33.437	3.527	3.501	3.429	3.335	3.243	3.178	3.155	36.104
35.054	3.527	3.501	3.430	3.335	3.243	3.178	3.155	37.826
37.326	3.528	3.501	3.430	3.335	3.243	3.178	3.155	40.243
39.120	3.528	3.501	3.430	3.335	3.244	3.178	3.155	42.152
40.996	3.528	3.502	3.430	3.335	3.244	3.179	3.155	44.149
43.631	3.528	3.502	3.430	3.336	3.244	3.179	3.155	46.952
45.711	3.528	3.502	3.431	3.336	3.244	3.179	3.156	49.167
47.887	3.529	3.502	3.431	3.336	3.244	3.179	3.156	51.482
50.943	3.529	3.502	3.431	3.336	3.244	3.179	3.156	54.734
53.357	3.529	3.502	3.431	3.336	3.244	3.179	3.156	57.303
56.747	3.529	3.503	3.431	3.336	3.244	3.179	3.156	60.911
59.425	3.529	3.503	3.431	3.336	3.244	3.179	3.156	63.761
62.226	3.529	3.503	3.431	3.336	3.245	3.179	3.156	66.741
66.159	3.529	3.503	3.431	3.336	3.245	3.179	3.156	70.926
69.266	3.529	3.503	3.431	3.336	3.245	3.179	3.156	74.233
72.515	3.529	3.503	3.431	3.336	3.245	3.179	3.156	77.690
77.078	3.529	3.503	3.431	3.337	3.245	3.179	3.156	82.547
80.683	3.529	3.503	3.431	3.337	3.245	3.179	3.156	86.383
84.453	3.529	3.503	3.431	3.337	3.245	3.179	3.156	90.394
89.747	3.530	3.503	3.432	3.337	3.245	3.179	3.156	96.029
93.930	3.530	3.503	3.432	3.337	3.245	3.179	3.156	100.480
98.304	3.530	3.503	3.432	3.337	3.245	3.179	3.156	105.134
104.447	3.530	3.503	3.432	3.337	3.245	3.179	3.156	111.672
109.300	3.530	3.503	3.432	3.337	3.245	3.179	3.156	116.837
116.118	3.530	3.503	3.432	3.337	3.245	3.179	3.156	124.091
121.503	3.530	3.503	3.432	3.337	3.245	3.179	3.156	129.823
127.135	3.530	3.503	3.432	3.337	3.245	3.179	3.156	135.815
135.045	3.530	3.503	3.432	3.337	3.245	3.179	3.156	144.233
141.294	3.530	3.503	3.432	3.337	3.245	3.179	3.156	150.883
147.828	3.530	3.503	3.432	3.337	3.245	3.179	3.156	157.837
157.006	3.530	3.503	3.432	3.337	3.245	3.179	3.156	167.604
164.257	3.530	3.503	3.432	3.337	3.245	3.179	3.156	175.320
171.839	3.530	3.503	3.432	3.337	3.245	3.179	3.156	183.389
182.489	3.530	3.503	3.432	3.337	3.245	3.179	3.156	194.722
190.902	3.530	3.503	3.432	3.337	3.245	3.179	3.156	203.676
202.721	3.530	3.503	3.432	3.337	3.245	3.179	3.156	216.252

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	5.510	5.470	5.364	5.222	5.083	4.983	4.947	1.222
.789	5.475	5.435	5.326	5.181	5.039	4.937	4.900	1.361
.900	5.416	5.376	5.268	5.123	4.983	4.882	4.845	1.479
1.062	5.308	5.267	5.159	5.015	4.875	4.775	4.738	1.652
1.241	5.187	5.147	5.040	4.897	4.758	4.659	4.623	1.842
1.436	5.069	5.029	4.922	4.779	4.641	4.543	4.508	2.049
1.645	4.967	4.926	4.818	4.675	4.536	4.438	4.403	2.272
1.867	4.888	4.846	4.736	4.591	4.450	4.351	4.315	2.508
2.101	4.823	4.781	4.669	4.529	4.378	4.277	4.241	2.757
2.347	4.772	4.729	4.612	4.459	4.312	4.209	4.172	3.019
2.603	4.782	4.736	4.614	4.453	4.300	4.192	4.154	3.292
2.868	4.800	4.753	4.626	4.459	4.301	4.190	4.150	3.574
3.140	4.839	4.789	4.655	4.480	4.314	4.197	4.156	3.863
3.487	4.909	4.856	4.715	4.530	4.355	4.232	4.188	4.232
3.769	4.976	4.921	4.773	4.580	4.397	4.269	4.224	4.532
4.055	5.051	4.994	4.840	4.639	4.448	4.315	4.268	4.837
4.344	5.131	5.071	4.911	4.703	4.505	4.367	4.318	5.144
4.637	5.213	5.151	4.986	4.770	4.566	4.422	4.372	5.456
4.933	5.294	5.231	5.062	4.840	4.629	4.481	4.429	5.771
5.233	5.374	5.309	5.137	4.910	4.694	4.542	4.488	6.091
5.538	5.448	5.384	5.209	4.979	4.758	4.603	4.548	6.415
5.847	5.517	5.452	5.277	5.045	4.821	4.663	4.607	6.744
6.161	5.579	5.515	5.340	5.107	4.882	4.722	4.665	7.078
6.481	5.634	5.570	5.397	5.165	4.939	4.778	4.721	7.418
6.808	5.683	5.620	5.447	5.217	4.992	4.831	4.774	7.766
7.142	5.727	5.664	5.493	5.264	5.041	4.881	4.823	8.121
7.571	5.776	5.713	5.543	5.317	5.095	4.936	4.879	8.579
7.926	5.810	5.748	5.579	5.354	5.134	4.976	4.919	8.956
8.291	5.839	5.778	5.611	5.387	5.169	5.012	4.956	9.345
8.670	5.864	5.803	5.638	5.417	5.200	5.045	4.989	9.748
9.062	5.884	5.824	5.662	5.443	5.228	5.074	5.019	10.165
9.470	5.900	5.841	5.681	5.465	5.253	5.100	5.045	10.599
9.895	5.911	5.853	5.696	5.484	5.275	5.124	5.069	11.052
10.340	5.919	5.861	5.707	5.499	5.293	5.144	5.090	11.525
10.806	5.924	5.867	5.715	5.510	5.307	5.161	5.108	12.021
11.297	5.927	5.871	5.720	5.517	5.318	5.175	5.123	12.543
11.813	5.928	5.872	5.723	5.523	5.326	5.185	5.134	13.093
12.359	5.928	5.873	5.724	5.526	5.332	5.192	5.142	13.673
12.936	5.927	5.873	5.725	5.528	5.335	5.197	5.147	14.288
13.708	5.926	5.871	5.724	5.528	5.337	5.201	5.152	15.109
14.369	5.925	5.870	5.723	5.528	5.338	5.202	5.153	15.813
15.074	5.924	5.869	5.722	5.527	5.337	5.202	5.154	16.563
15.827	5.923	5.868	5.722	5.526	5.337	5.202	5.154	17.365
16.633	5.922	5.868	5.721	5.525	5.336	5.201	5.153	18.222
17.495	5.921	5.867	5.720	5.525	5.335	5.201	5.153	19.139

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
18.420	5.921	5.866	5.719	5.524	5.335	5.200	5.152	20.124
19.413	5.920	5.866	5.719	5.523	5.334	5.199	5.151	21.180
20.479	5.920	5.866	5.718	5.523	5.333	5.199	5.151	22.315
21.626	5.921	5.866	5.718	5.523	5.333	5.198	5.150	23.536
22.860	5.921	5.866	5.719	5.523	5.333	5.198	5.150	24.849
24.176	5.922	5.867	5.719	5.523	5.333	5.198	5.150	26.249
25.916	5.923	5.868	5.721	5.524	5.334	5.198	5.150	28.101
27.391	5.925	5.870	5.722	5.525	5.334	5.199	5.150	29.670
28.941	5.926	5.871	5.723	5.526	5.335	5.200	5.151	31.320
30.573	5.927	5.872	5.724	5.527	5.336	5.200	5.152	33.057
32.290	5.928	5.873	5.725	5.528	5.337	5.201	5.152	34.883
34.096	5.929	5.874	5.725	5.528	5.337	5.202	5.153	36.805
35.996	5.930	5.875	5.726	5.529	5.338	5.202	5.154	38.827
37.995	5.930	5.875	5.727	5.530	5.339	5.203	5.154	40.955
40.099	5.931	5.876	5.728	5.531	5.340	5.204	5.155	43.194
42.313	5.932	5.877	5.728	5.531	5.340	5.204	5.155	45.550
44.643	5.932	5.877	5.729	5.532	5.341	5.205	5.156	48.029
47.094	5.933	5.878	5.729	5.532	5.341	5.205	5.156	50.638
49.674	5.933	5.878	5.730	5.533	5.342	5.206	5.157	53.384
53.090	5.934	5.879	5.730	5.533	5.342	5.206	5.157	57.019
55.985	5.934	5.879	5.730	5.533	5.342	5.206	5.157	60.099
59.031	5.934	5.879	5.731	5.533	5.342	5.206	5.158	63.341
62.237	5.934	5.879	5.731	5.534	5.343	5.207	5.158	66.753
65.611	5.934	5.879	5.731	5.534	5.343	5.207	5.158	70.343
69.163	5.935	5.880	5.731	5.534	5.343	5.207	5.158	74.123
72.901	5.935	5.880	5.731	5.534	5.343	5.207	5.158	78.101
76.835	5.935	5.880	5.731	5.534	5.343	5.207	5.158	82.288
80.976	5.935	5.880	5.731	5.534	5.343	5.207	5.158	86.695
85.335	5.935	5.880	5.731	5.534	5.343	5.207	5.158	91.333
89.923	5.935	5.880	5.732	5.534	5.343	5.207	5.158	96.216
94.752	5.935	5.880	5.732	5.534	5.343	5.207	5.158	101.355
99.835	5.935	5.880	5.732	5.534	5.343	5.207	5.158	106.763
106.565	5.935	5.880	5.732	5.534	5.343	5.207	5.158	113.926
112.269	5.935	5.880	5.732	5.534	5.343	5.207	5.158	119.996
118.273	5.935	5.880	5.732	5.534	5.343	5.207	5.158	126.385
124.592	5.935	5.880	5.732	5.534	5.343	5.207	5.158	133.109
131.243	5.935	5.880	5.732	5.534	5.343	5.207	5.158	140.187
138.244	5.935	5.880	5.732	5.535	5.343	5.207	5.158	147.638
145.613	5.935	5.880	5.732	5.535	5.343	5.207	5.158	155.480
153.369	5.935	5.880	5.732	5.535	5.343	5.207	5.158	163.734
161.534	5.935	5.880	5.732	5.535	5.343	5.207	5.158	172.422
170.127	5.935	5.880	5.732	5.535	5.343	5.207	5.158	181.567
179.172	5.935	5.880	5.732	5.535	5.343	5.207	5.158	191.192
188.693	5.935	5.880	5.732	5.535	5.343	5.207	5.158	201.324
201.300	5.935	5.880	5.732	5.535	5.343	5.207	5.158	214.741

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	19.474	19.324	18.921	18.382	17.856	17.479	17.343	1.222
.808	18.916	18.768	18.367	17.833	17.312	16.939	16.804	1.381
.983	18.126	17.980	17.586	17.062	16.553	16.190	16.059	1.568
1.181	17.293	17.150	16.765	16.254	15.760	15.408	15.281	1.779
1.446	16.345	16.203	15.824	15.322	14.838	14.496	14.372	2.060
1.737	15.566	15.423	15.040	14.535	14.052	13.711	13.588	2.370
1.995	15.082	14.934	14.541	14.025	13.533	13.187	13.063	2.645
2.319	14.640	14.484	14.068	13.527	13.016	12.658	12.531	2.990
2.654	14.520	14.351	13.903	13.321	12.772	12.390	12.255	3.346
2.937	14.544	14.361	13.878	13.254	12.668	12.263	12.119	3.647
3.277	14.730	14.530	13.999	13.317	12.679	12.239	12.083	4.009
3.615	15.045	14.825	14.241	13.493	12.797	12.318	12.149	4.369
3.895	15.385	15.147	14.518	13.713	12.964	12.450	12.269	4.666
4.226	15.050	15.594	14.914	14.041	13.229	12.672	12.476	5.019
4.552	16.337	16.068	15.349	14.417	13.545	12.945	12.735	5.366
4.820	16.733	16.456	15.716	14.747	13.834	13.201	12.979	5.651
5.138	17.180	16.898	16.140	15.143	14.191	13.527	13.293	5.989
5.451	17.602	17.313	16.540	15.522	14.546	13.859	13.615	6.322
5.709	17.942	17.647	16.859	15.824	14.831	14.131	13.881	6.597
6.016	18.342	18.040	17.232	16.172	15.159	14.445	14.191	6.924
6.321	18.725	18.419	17.595	16.511	15.476	14.748	14.489	7.248
6.574	19.024	18.717	17.889	16.789	15.734	14.994	14.730	7.517
6.878	19.347	19.044	18.220	17.112	16.040	15.283	15.014	7.840
7.132	19.581	19.284	18.472	17.369	16.289	15.522	15.248	8.111
7.439	19.815	19.528	18.739	17.654	16.576	15.802	15.525	8.437
7.749	19.998	19.723	18.963	17.908	16.845	16.072	15.793	8.768
8.012	20.114	19.848	19.115	18.092	17.050	16.295	16.007	9.048
8.333	20.211	19.958	19.258	18.276	17.268	16.520	16.246	9.390
8.663	20.269	20.027	19.359	18.421	17.453	16.728	16.461	9.740
8.944	20.290	20.057	19.414	18.512	17.579	16.878	16.618	10.039
9.291	20.288	20.064	19.449	18.588	17.698	17.027	16.778	10.409
9.651	20.265	20.047	19.454	18.631	17.783	17.143	16.905	10.792
9.961	20.235	20.021	19.441	18.644	17.829	17.215	16.986	11.122
10.347	20.193	19.981	19.411	18.638	17.856	17.272	17.054	11.533
10.751	20.145	19.935	19.371	18.613	17.858	17.299	17.093	11.962
11.101	20.104	19.895	19.333	18.583	17.844	17.303	17.104	12.335
11.540	20.054	19.846	19.286	18.540	17.814	17.288	17.096	12.802
11.999	20.006	19.797	19.238	18.495	17.774	17.259	17.072	13.291
12.398	19.970	19.760	19.199	18.457	17.739	17.227	17.042	13.715
12.896	19.933	19.721	19.155	18.411	17.694	17.185	17.002	14.245
13.418	19.906	19.690	19.117	18.367	17.649	17.141	16.959	14.801
13.873	19.889	19.672	19.093	18.335	17.613	17.105	16.922	15.284
14.444	19.876	19.657	19.071	18.303	17.573	17.062	16.880	15.893
15.048	19.870	19.649	19.056	18.279	17.539	17.023	16.839	16.535
15.577	19.869	19.646	19.050	18.265	17.517	16.995	16.809	17.099

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
16.249	19.872	19.648	19.047	18.254	17.497	16.967	16.779	17.813
16.841	19.877	19.652	19.048	18.250	17.486	16.951	16.760	18.444
17.596	19.884	19.659	19.052	18.249	17.479	16.937	16.745	19.247
18.404	19.893	19.667	19.059	18.253	17.477	16.930	16.735	20.107
19.123	19.901	19.675	19.066	18.258	17.478	16.928	16.732	20.872
20.048	19.911	19.685	19.075	18.265	17.483	16.930	16.733	21.856
21.047	19.921	19.695	19.085	18.274	17.490	16.935	16.736	22.920
21.945	19.928	19.702	19.093	18.282	17.497	16.940	16.742	23.875
23.110	19.935	19.710	19.101	18.291	17.506	16.948	16.749	25.115
24.382	19.940	19.715	19.108	18.299	17.514	16.957	16.757	26.468
25.534	19.944	19.719	19.112	18.305	17.521	16.963	16.764	27.695
27.042	19.947	19.722	19.116	18.310	17.528	16.971	16.772	29.299
28.701	19.950	19.726	19.120	18.313	17.532	16.977	16.778	31.065
30.214	19.953	19.728	19.122	18.316	17.535	16.981	16.782	32.675
32.205	19.957	19.732	19.125	18.319	17.538	16.983	16.785	34.793
34.405	19.960	19.735	19.129	18.322	17.541	16.986	16.787	37.134
36.368	19.964	19.739	19.132	18.325	17.544	16.988	16.789	39.223
38.861	19.969	19.744	19.137	18.330	17.548	16.992	16.792	41.877
41.515	19.974	19.748	19.141	18.334	17.552	16.995	16.795	44.701
43.857	19.977	19.752	19.144	18.337	17.555	16.998	16.798	47.193
46.833	19.980	19.755	19.148	18.340	17.558	17.001	16.801	50.360
50.000	19.983	19.758	19.151	18.343	17.561	17.004	16.803	53.731
52.796	19.985	19.760	19.152	18.345	17.563	17.006	16.805	56.705
56.348	19.986	19.761	19.154	18.347	17.564	17.008	16.807	60.486
59.484	19.988	19.763	19.156	18.348	17.566	17.009	16.809	63.823
63.470	19.989	19.764	19.157	18.349	17.567	17.010	16.810	68.064
67.713	19.989	19.764	19.157	18.350	17.568	17.011	16.811	72.580
71.459	19.990	19.765	19.158	18.351	17.568	17.011	16.811	76.566
76.220	19.990	19.765	19.159	18.351	17.569	17.012	16.811	81.633
81.290	19.991	19.766	19.159	18.352	17.569	17.012	16.812	87.029
85.766	19.991	19.766	19.159	18.352	17.569	17.012	16.812	91.791
91.455	19.991	19.766	19.160	18.352	17.570	17.012	16.812	97.846
97.513	19.992	19.767	19.160	18.352	17.570	17.013	16.812	104.292
102.860	19.992	19.767	19.160	18.353	17.570	17.013	16.812	109.983
109.658	19.992	19.767	19.160	18.353	17.570	17.013	16.812	117.218
116.897	19.992	19.767	19.160	18.353	17.570	17.013	16.812	124.921
123.288	19.992	19.767	19.161	18.353	17.570	17.013	16.812	131.721
131.411	19.992	19.767	19.161	18.353	17.570	17.013	16.812	140.366
140.061	19.992	19.768	19.161	18.353	17.571	17.013	16.812	149.572
147.697	19.992	19.768	19.161	18.353	17.571	17.013	16.812	157.698
157.404	19.993	19.768	19.161	18.353	17.571	17.013	16.812	168.028
167.741	19.993	19.768	19.161	18.354	17.571	17.013	16.812	179.028
176.866	19.993	19.768	19.161	18.354	17.571	17.013	16.812	188.738
188.466	19.993	19.768	19.161	18.354	17.571	17.013	16.812	201.083
200.818	19.993	19.768	19.161	18.354	17.571	17.013	16.812	214.228

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	42.710	42.377	41.480	40.282	39.113	38.275	37.973	1.222
.837	40.967	40.640	39.758	38.581	37.437	36.620	36.324	1.412
1.013	39.059	38.738	37.874	36.723	35.608	34.813	34.526	1.599
1.252	36.712	36.399	35.561	34.448	33.375	32.612	32.337	1.854
1.566	34.265	33.954	33.125	32.030	30.979	30.237	29.969	2.188
1.859	32.635	32.318	31.475	30.367	29.308	28.564	28.297	2.500
2.169	31.370	31.043	30.168	29.026	27.942	27.184	26.913	2.829
2.543	30.717	30.356	29.398	28.157	26.989	26.178	25.889	3.228
2.869	30.610	30.214	29.167	27.820	26.560	25.690	25.382	3.575
3.194	30.903	30.466	29.312	27.834	26.458	25.512	25.178	3.921
3.569	31.634	31.141	29.841	28.184	26.652	25.603	25.235	4.320
3.885	32.515	31.973	30.545	28.724	27.044	25.897	25.494	4.656
4.194	33.533	32.950	31.405	29.425	27.594	26.344	25.906	4.985
4.547	34.751	34.136	32.496	30.368	28.378	27.012	26.533	5.360
4.841	35.745	35.113	33.422	31.209	29.115	27.665	27.154	5.674
5.130	36.691	36.042	34.305	32.030	29.863	28.350	27.814	5.981
5.459	37.780	37.102	35.297	32.947	30.713	29.146	28.589	6.331
5.735	38.722	38.017	36.144	33.713	31.415	29.808	29.237	6.625
6.007	39.661	38.936	36.999	34.479	32.105	30.453	29.868	6.914
6.319	40.713	39.976	37.994	35.384	32.914	31.200	30.594	7.246
6.584	41.539	40.806	38.817	36.160	33.617	31.846	31.220	7.528
6.847	42.270	41.552	39.585	36.918	34.325	32.502	31.856	7.807
7.153	42.985	42.293	40.384	37.751	35.138	33.274	32.609	8.133
7.416	43.476	42.812	40.971	38.400	35.807	33.928	33.253	8.414
7.681	43.858	43.225	41.461	38.976	36.431	34.562	33.883	8.696
7.994	44.173	43.576	41.911	39.543	37.087	35.254	34.582	9.029
8.267	44.340	43.774	42.194	39.937	37.575	35.792	35.134	9.319
8.544	44.422	43.886	42.390	40.246	37.938	36.270	35.632	9.614
8.875	44.431	43.923	42.515	40.503	38.375	36.743	36.133	9.966
9.167	44.382	43.892	42.546	40.639	38.623	37.072	36.489	10.277
9.467	44.296	43.820	42.520	40.704	38.798	37.328	36.775	10.596
9.829	44.164	43.699	42.438	40.704	38.912	37.537	37.020	10.982
10.151	44.030	43.573	42.337	40.652	38.941	37.642	37.154	11.324
10.484	43.882	43.431	42.214	40.567	38.917	37.683	37.222	11.679
10.888	43.698	43.251	42.051	40.438	38.839	37.664	37.229	12.108
11.247	43.542	43.094	41.900	40.308	38.742	37.602	37.184	12.490
11.618	43.399	42.946	41.745	40.165	38.624	37.510	37.104	12.885
12.067	43.259	42.796	41.575	39.990	38.468	37.377	36.982	13.363
12.467	43.167	42.694	41.449	39.843	38.324	37.247	36.858	13.789
12.881	43.099	42.618	41.346	39.709	38.177	37.106	36.721	14.229
13.385	43.050	42.559	41.258	39.578	38.015	36.937	36.554	14.765
13.835	43.029	42.531	41.207	39.492	37.894	36.797	36.411	15.245
14.305	43.025	42.520	41.178	39.430	37.794	36.672	36.278	15.745
14.881	43.035	42.526	41.165	39.385	37.708	36.553	36.147	16.357
15.399	43.052	42.541	41.170	39.367	37.659	36.476	36.060	16.908

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.942	43.073	42.561	41.184	39.365	37.630	36.423	35.997	17.487
16.513	43.096	42.583	41.203	39.374	37.619	36.392	35.957	18.095
17.218	43.125	42.611	41.228	39.393	37.624	36.378	35.935	18.845
17.859	43.152	42.636	41.251	39.413	37.638	36.381	35.934	19.527
18.538	43.180	42.664	41.276	39.435	37.656	36.395	35.944	20.249
19.383	43.214	42.698	41.308	39.462	37.681	36.417	35.965	21.149
20.159	43.241	42.726	41.336	39.488	37.703	36.439	35.987	21.974
20.988	43.262	42.749	41.363	39.515	37.727	36.461	36.009	22.857
22.033	43.278	42.768	41.388	39.546	37.757	36.489	36.037	23.968
23.003	43.286	42.777	41.403	39.568	37.783	36.514	36.061	25.001
24.052	43.288	42.780	41.411	39.583	37.806	36.540	36.087	26.117
25.390	43.287	42.780	41.413	39.593	37.825	36.565	36.113	27.541
26.647	43.285	42.777	41.411	39.594	37.833	36.579	36.130	28.879
28.022	43.284	42.776	41.408	39.591	37.834	36.585	36.138	30.342
29.794	43.286	42.777	41.407	39.587	37.830	36.584	36.138	32.227
31.475	43.289	42.780	41.408	39.585	37.825	36.578	36.132	34.017
33.327	43.295	42.785	41.411	39.586	37.821	36.570	36.124	35.988
35.731	43.305	42.794	41.417	39.588	37.819	36.564	36.115	38.545
38.018	43.315	42.803	41.426	39.593	37.820	36.561	36.110	40.979
40.465	43.327	42.816	41.438	39.603	37.826	36.562	36.109	43.583
43.507	43.343	42.832	41.454	39.619	37.839	36.571	36.115	46.820
46.285	43.353	42.842	41.465	39.630	37.850	36.581	36.124	49.777
49.232	43.360	42.850	41.473	39.639	37.860	36.591	36.134	52.914
52.897	43.368	42.858	41.481	39.648	37.870	36.602	36.145	56.813
56.245	43.373	42.863	41.487	39.654	37.877	36.610	36.153	60.376
59.797	43.376	42.866	41.491	39.659	37.882	36.616	36.160	64.156
64.214	43.379	42.869	41.494	39.663	37.886	36.621	36.165	68.857
68.251	43.380	42.871	41.495	39.664	37.889	36.623	36.168	73.153
72.533	43.382	42.872	41.497	39.665	37.890	36.625	36.169	77.710
77.861	43.383	42.874	41.498	39.667	37.891	36.626	36.170	83.379
82.730	43.384	42.874	41.499	39.668	37.892	36.626	36.170	88.561
87.895	43.385	42.875	41.500	39.669	37.893	36.626	36.170	94.058
94.322	43.386	42.876	41.501	39.670	37.893	36.627	36.170	100.897
100.195	43.386	42.877	41.501	39.670	37.894	36.627	36.170	107.146
106.426	43.387	42.877	41.502	39.671	37.894	36.627	36.170	113.778
114.178	43.387	42.878	41.503	39.672	37.895	36.628	36.171	122.028
121.263	43.388	42.878	41.503	39.672	37.895	36.628	36.171	129.567
128.781	43.388	42.878	41.503	39.672	37.896	36.628	36.171	137.567
136.133	43.388	42.879	41.504	39.673	37.896	36.629	36.171	147.519
146.680	43.388	42.879	41.504	39.673	37.896	36.629	36.172	156.615
155.749	43.388	42.879	41.504	39.673	37.897	36.629	36.172	166.266
167.031	43.389	42.879	41.504	39.673	37.897	36.629	36.172	178.272
177.342	43.389	42.879	41.504	39.674	37.897	36.630	36.172	189.245
188.282	43.389	42.879	41.504	39.674	37.897	36.630	36.172	200.887
201.893	43.389	42.879	41.505	39.674	37.897	36.630	36.172	215.371

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	75.247	74.658	73.070	70.948	68.878	67.396	66.860	1.222
.836	72.049	71.471	69.912	67.832	65.810	64.366	63.844	1.411
1.047	67.891	67.326	65.811	63.793	61.838	60.447	59.943	1.636
1.289	63.677	63.128	61.657	59.706	57.824	56.490	56.008	1.893
1.605	59.385	58.838	57.378	55.452	53.606	52.304	51.835	2.229
1.948	56.171	55.608	54.112	52.150	50.281	48.969	48.498	2.595
2.258	54.128	53.539	51.971	49.930	48.002	46.657	46.177	2.924
2.630	53.208	52.559	50.837	48.613	46.524	45.076	44.563	3.320
3.003	53.239	52.510	50.584	48.114	45.815	44.232	43.673	3.718
3.321	53.965	53.156	51.026	48.308	45.792	44.067	43.460	4.056
3.686	55.454	54.542	52.140	49.086	46.272	44.354	43.681	4.444
3.992	57.114	56.117	53.488	50.137	47.051	44.951	44.216	4.769
4.339	59.231	58.163	55.324	51.666	48.272	45.957	45.146	5.139
4.677	61.296	60.186	57.217	53.346	49.703	47.195	46.313	5.499
4.959	62.969	61.827	58.774	54.780	50.988	48.352	47.420	5.798
5.279	64.884	63.690	60.515	56.386	52.464	49.721	48.747	6.139
5.591	66.837	65.581	62.249	57.943	53.885	51.054	50.049	6.471
5.852	68.539	67.236	63.769	59.284	55.081	52.165	51.133	6.749
6.151	70.489	69.152	65.568	60.887	56.489	53.453	52.382	7.068
6.404	72.059	70.718	67.089	62.284	57.727	54.575	53.465	7.336
6.695	73.704	72.383	68.772	63.902	59.201	55.920	54.763	7.646
6.984	75.100	73.821	70.296	65.452	60.679	57.299	56.098	7.954
7.231	76.085	74.854	71.440	66.685	61.915	58.486	57.258	8.217
7.520	76.988	75.821	72.566	67.974	63.280	59.844	58.601	8.525
7.812	77.637	76.539	73.463	69.077	64.524	61.134	59.896	8.835
8.065	78.005	76.966	74.051	69.864	65.470	62.159	60.938	9.104
8.364	78.239	77.266	74.535	70.595	66.418	63.232	62.047	9.422
8.625	78.298	77.374	74.790	71.064	67.089	64.032	62.889	9.700
8.937	78.238	77.359	74.922	71.434	67.705	64.815	63.728	10.032
9.258	78.078	77.231	74.908	71.627	68.142	65.431	64.406	10.374
9.542	77.881	77.057	74.806	71.671	68.378	65.822	64.854	10.676
9.883	77.597	76.794	74.611	71.606	68.507	66.124	65.221	11.039
10.237	77.264	76.479	74.352	71.447	68.499	66.267	65.427	11.415
10.551	76.952	76.177	74.088	71.254	68.407	66.280	65.486	11.749
10.929	76.584	75.810	73.744	70.976	68.222	66.192	65.440	12.152
11.321	76.241	75.456	73.382	70.653	67.975	66.018	65.299	12.569
11.668	75.988	75.187	73.081	70.354	67.722	65.817	65.120	12.938
12.086	75.751	74.928	72.768	70.002	67.393	65.534	64.858	13.383
12.457	75.600	74.758	72.544	69.720	67.096	65.259	64.597	13.777
12.905	75.481	74.618	72.343	69.435	66.756	64.917	64.263	14.255
13.372	75.419	74.537	72.204	69.209	66.449	64.576	63.918	14.752
13.789	75.403	74.507	72.131	69.065	66.228	64.306	63.635	15.196
14.297	75.418	74.511	72.093	68.952	66.026	64.037	63.343	15.736
14.829	75.457	74.543	72.097	68.894	65.886	63.828	63.108	16.302
15.306	75.501	74.584	72.123	68.881	65.812	63.698	62.956	16.809

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.889	75.556	74.637	72.169	68.899	65.774	63.602	62.836	17.430
16.414	75.605	74.686	72.215	68.932	65.775	63.563	62.780	17.989
17.059	75.665	74.745	72.270	68.982	65.804	63.560	62.761	18.675
17.741	75.729	74.807	72.328	69.036	65.850	63.589	62.780	19.401
18.359	75.785	74.862	72.379	69.084	65.896	63.630	62.817	20.059
19.124	75.845	74.924	72.442	69.142	65.952	63.685	62.873	20.873
19.942	75.898	74.981	72.503	69.201	66.008	63.743	62.932	21.743
20.690	75.933	75.018	72.548	69.253	66.058	63.792	62.983	22.540
21.626	75.959	75.049	72.591	69.308	66.117	63.851	63.042	23.535
22.489	75.971	75.064	72.615	69.345	66.165	63.901	63.093	24.454
23.578	75.971	75.067	72.629	69.376	66.210	63.955	63.149	25.613
24.768	75.961	75.059	72.629	69.388	66.241	63.998	63.196	26.880
25.882	75.951	75.049	72.618	69.388	66.253	64.021	63.223	28.064
27.305	75.939	75.036	72.603	69.375	66.252	64.032	63.238	29.579
28.881	75.932	75.027	72.590	69.356	66.236	64.024	63.233	31.257
30.373	75.931	75.024	72.582	69.341	66.216	64.005	63.216	32.843
32.298	75.939	75.029	72.579	69.328	66.192	63.976	63.185	34.893
34.452	75.956	75.044	72.587	69.324	66.174	63.946	63.152	37.185
36.505	75.974	75.061	72.601	69.328	66.164	63.925	63.125	39.369
39.164	75.999	75.085	72.623	69.344	66.165	63.909	63.101	42.199
41.620	76.024	75.110	72.647	69.365	66.179	63.910	63.095	44.812
44.668	76.054	75.142	72.680	69.399	66.208	63.929	63.108	48.056
47.927	76.074	75.163	72.704	69.426	66.238	63.956	63.132	51.524
50.899	76.087	75.176	72.718	69.443	66.258	63.979	63.156	54.687
54.590	76.100	75.190	72.733	69.460	66.278	64.002	63.180	58.615
58.537	76.108	75.198	72.744	69.473	66.294	64.021	63.201	62.815
62.138	76.113	75.204	72.749	69.480	66.303	64.034	63.214	66.647
66.610	76.117	75.208	72.754	69.485	66.310	64.043	63.225	71.407
70.691	76.119	75.210	72.756	69.487	66.313	64.047	63.230	75.749
75.759	76.122	75.213	72.759	69.490	66.315	64.049	63.232	81.143
81.181	76.124	75.215	72.762	69.492	66.317	64.050	63.232	86.913
86.129	76.126	75.217	72.763	69.494	66.319	64.051	63.233	92.178
92.274	76.127	75.218	72.765	69.496	66.320	64.052	63.233	98.718
98.849	76.129	75.220	72.767	69.497	66.321	64.052	63.233	105.714
104.848	76.130	75.221	72.768	69.499	66.323	64.053	63.233	112.099
112.301	76.131	75.222	72.769	69.500	66.324	64.054	63.234	120.029
119.101	76.132	75.223	72.770	69.501	66.325	64.056	63.235	127.266
127.549	76.132	75.224	72.771	69.502	66.326	64.057	63.236	136.256
136.586	76.133	75.224	72.771	69.503	66.327	64.057	63.237	145.873
144.833	76.134	75.225	72.772	69.504	66.328	64.058	63.237	154.650
155.077	76.134	75.225	72.772	69.504	66.329	64.059	63.238	165.551
166.037	76.134	75.225	72.773	69.505	66.329	64.059	63.238	177.214
176.038	76.134	75.226	72.773	69.505	66.329	64.060	63.239	187.857
188.461	76.134	75.226	72.773	69.505	66.330	64.060	63.239	201.977
201.751	76.135	75.226	72.773	69.506	66.330	64.060	63.239	215.221

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	117.071	116.153	113.678	110.367	107.140	104.830	103.994	1.222
.831	112.164	111.262	108.832	105.589	102.437	100.185	99.371	1.405
1.033	105.827	104.946	102.581	99.432	96.382	94.211	93.425	1.621
1.305	98.372	97.518	95.232	92.203	89.283	87.213	86.465	1.910
1.610	91.908	91.057	88.787	85.795	82.927	80.904	80.175	2.235
1.941	87.021	86.148	83.826	80.781	77.860	75.845	75.114	2.587
2.238	83.776	82.868	80.448	77.298	74.322	72.248	71.508	2.903
2.596	82.266	81.265	78.613	75.187	71.970	69.740	68.949	3.284
2.957	82.116	80.997	78.042	74.254	70.728	68.302	67.446	3.668
3.316	83.306	82.046	78.730	74.505	70.596	67.919	66.978	4.050
3.669	85.544	84.124	80.390	75.646	71.280	68.306	67.264	4.426
4.014	88.494	86.924	82.783	77.508	72.653	69.355	68.201	4.793
4.302	91.251	89.589	85.175	79.497	74.235	70.650	69.397	5.100
4.630	94.392	92.663	88.044	82.029	76.378	72.493	71.129	5.448
4.947	97.355	95.566	90.794	84.557	78.638	74.522	73.069	5.786
5.257	100.275	98.402	93.431	86.978	80.860	76.583	75.066	6.115
5.557	103.277	101.303	96.076	89.337	83.002	78.590	77.023	6.436
5.851	106.349	104.286	98.805	91.728	85.114	80.542	78.925	6.748
6.098	108.948	106.839	101.191	93.838	86.953	82.212	80.542	7.011
6.381	111.812	109.690	103.950	96.354	89.164	84.204	82.460	7.312
6.660	114.378	112.286	106.571	98.865	91.439	86.269	84.447	7.609
6.937	116.572	114.546	108.958	101.283	93.731	88.394	86.502	7.904
7.214	118.366	116.427	111.041	103.525	95.972	90.540	88.596	8.198
7.491	119.759	117.922	112.788	105.528	98.094	92.649	90.681	8.493
7.730	120.648	118.903	114.009	107.023	99.771	94.382	92.416	8.747
8.011	121.352	119.717	115.116	108.491	101.523	96.266	94.329	9.047
8.297	121.734	120.202	115.894	109.657	103.025	97.960	96.078	9.351
8.588	121.847	120.404	116.366	110.522	104.262	99.432	97.623	9.661
8.886	121.750	120.378	116.569	111.099	105.228	100.662	98.941	9.978
9.193	121.498	120.180	116.551	111.409	105.923	101.639	100.017	10.305
9.463	121.188	119.907	116.398	111.489	106.309	102.271	100.738	10.592
9.789	120.734	119.490	116.098	111.404	106.534	102.771	101.343	10.939
10.125	120.197	118.984	115.690	111.168	106.548	103.029	101.700	11.297
10.473	119.605	118.411	115.194	110.816	106.392	103.073	101.831	11.667
10.833	119.003	117.810	114.631	110.368	106.105	102.944	101.772	12.049
11.204	118.442	117.231	114.039	109.844	105.714	102.679	101.561	12.445
11.532	118.025	116.788	113.545	109.355	105.309	102.366	101.287	12.793
11.926	117.632	116.359	113.026	108.777	104.777	101.918	100.876	13.213
12.334	117.340	116.030	112.596	108.235	104.209	101.399	100.385	13.647
12.757	117.147	115.802	112.265	107.765	103.648	100.836	99.837	14.097
13.198	117.042	115.665	112.032	107.388	103.138	100.271	99.267	14.566
13.657	117.015	115.611	111.893	107.110	102.710	99.749	98.719	15.055
14.066	117.037	115.617	111.839	106.947	102.419	99.362	98.300	15.491
14.565	117.101	115.668	111.839	106.840	102.171	98.997	97.892	16.021
15.086	117.185	115.747	111.888	106.810	102.017	98.732	97.583	16.576

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
15.634	117.281	115.840	111.967	106.839	101.948	98.563	97.374	17.159
16.209	117.379	115.937	112.058	106.906	101.950	98.483	97.258	17.771
16.815	117.480	116.037	112.155	106.993	102.001	98.478	97.226	18.415
17.360	117.571	116.126	112.239	107.074	102.070	98.519	97.250	18.996
18.031	117.675	116.230	112.341	107.171	102.163	98.599	97.321	19.709
18.742	117.775	116.333	112.444	107.270	102.261	98.696	97.417	20.466
19.498	117.859	116.421	112.541	107.371	102.360	98.799	97.522	21.271
20.306	117.924	116.493	112.629	107.467	102.460	98.902	97.629	22.130
21.171	117.971	116.545	112.694	107.556	102.558	99.004	97.734	23.051
21.966	117.991	116.570	112.736	107.616	102.636	99.090	97.822	23.897
22.964	117.996	116.582	112.764	107.666	102.711	99.179	97.917	24.959
24.050	117.983	116.572	112.766	107.695	102.763	99.251	97.996	26.114
25.236	117.956	116.547	112.752	107.697	102.792	99.298	98.050	27.377
26.540	117.930	116.520	112.721	107.678	102.793	99.319	98.077	28.765
27.980	117.906	116.493	112.689	107.643	102.770	99.312	98.076	30.297
29.337	117.894	116.477	112.664	107.609	102.735	99.284	98.052	31.741
31.085	117.896	116.474	112.646	107.572	102.686	99.233	98.002	33.602
33.036	117.915	116.488	112.645	107.547	102.637	99.172	97.938	35.678
35.219	117.947	116.517	112.664	107.542	102.598	99.109	97.867	38.001
37.667	117.986	116.555	112.696	107.558	102.582	99.059	97.802	40.606
40.394	118.027	116.596	112.736	107.589	102.591	99.034	97.760	43.508
42.892	118.070	116.639	112.780	107.630	102.620	99.041	97.753	46.166
45.990	118.116	116.688	112.833	107.687	102.672	99.077	97.778	49.463
49.300	118.144	116.718	112.868	107.731	102.723	99.127	97.823	52.986
52.837	118.165	116.740	112.893	107.761	102.763	99.175	97.873	56.749
56.616	118.183	116.758	112.913	107.786	102.793	99.214	97.916	60.771
60.654	118.193	116.770	112.927	107.804	102.818	99.244	97.951	65.068
64.336	118.200	116.777	112.934	107.813	102.832	99.264	97.973	68.986
68.905	118.205	116.782	112.940	107.819	102.840	99.278	97.989	73.848
73.789	118.209	116.786	112.944	107.823	102.844	99.283	97.997	79.046
79.009	118.214	116.791	112.948	107.827	102.846	99.285	97.998	84.601
84.589	118.217	116.794	112.953	107.831	102.850	99.286	97.998	90.539
90.554	118.219	116.797	112.955	107.834	102.854	99.289	97.998	96.887
95.993	118.222	116.799	112.958	107.836	102.855	99.290	97.999	102.675
102.745	118.224	116.802	112.961	107.839	102.858	99.291	98.000	109.860
109.962	118.226	116.804	112.963	107.842	102.861	99.293	98.001	117.540
117.677	118.228	116.805	112.965	107.845	102.864	99.296	98.003	125.750
125.924	118.229	116.806	112.966	107.846	102.866	99.299	98.006	134.527
134.739	118.230	116.807	112.967	107.848	102.867	99.300	98.008	143.908
142.778	118.231	116.808	112.968	107.849	102.868	99.301	98.009	152.463
152.757	118.231	116.809	112.969	107.850	102.870	99.303	98.009	163.082
163.424	118.232	116.809	112.969	107.850	102.871	99.304	98.010	174.434
174.827	118.232	116.810	112.970	107.851	102.871	99.305	98.011	186.568
187.016	118.232	116.810	112.970	107.852	102.872	99.305	98.012	199.540
200.047	118.233	116.810	112.971	107.852	102.873	99.305	98.012	213.407

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	168.199	166.879	163.316	158.553	153.912	150.586	149.384	1.222
.830	161.074	159.777	156.283	151.621	147.089	143.852	142.681	1.405
1.033	151.914	150.648	147.248	142.723	138.339	135.218	134.090	1.620
1.304	141.135	139.908	136.624	132.273	128.079	125.106	124.032	1.909
1.608	131.783	130.561	127.303	123.006	118.887	115.984	114.938	2.233
1.938	124.702	123.448	120.117	115.746	111.583	108.664	107.616	2.584
2.284	119.479	118.153	114.633	110.063	105.753	102.754	101.686	2.953
2.642	117.575	116.121	112.270	107.300	102.640	99.412	98.268	3.333
3.002	117.620	115.987	111.679	106.160	101.029	97.503	96.259	3.716
3.358	119.511	117.669	112.826	106.662	100.970	97.078	95.711	4.096
3.709	122.874	120.800	115.350	108.429	102.065	97.736	96.220	4.468
4.050	127.186	124.902	118.875	111.189	104.118	99.316	97.637	4.832
4.382	131.791	129.367	122.919	114.595	106.858	101.580	99.733	5.185
4.705	136.204	133.695	126.988	118.236	109.987	104.300	102.301	5.528
5.017	140.403	137.798	130.858	121.805	113.210	107.222	105.104	5.861
5.279	144.007	141.288	134.079	124.740	115.903	109.729	107.538	6.139
5.575	148.349	145.481	137.887	128.111	118.944	112.571	110.311	6.455
5.865	152.792	149.796	141.830	131.550	121.961	115.345	113.009	6.763
6.148	157.151	154.083	145.854	135.112	125.051	118.135	115.703	7.064
6.427	161.218	158.145	149.815	138.752	128.255	121.012	118.467	7.361
6.701	164.830	161.813	153.551	142.364	131.547	124.001	121.342	7.653
6.974	167.898	164.982	156.927	145.822	134.850	127.076	124.317	7.943
7.246	170.390	167.606	159.859	149.010	138.067	130.171	127.342	8.232
7.518	172.311	169.677	162.305	151.845	141.099	133.202	130.342	8.522
7.792	173.689	171.214	164.256	154.277	143.864	136.084	133.236	8.814
8.070	174.566	172.248	165.720	156.281	146.302	138.740	135.945	9.109
8.351	175.003	172.831	166.721	157.853	148.379	141.112	138.403	9.409
8.639	175.079	173.029	167.298	158.998	150.074	143.160	140.564	9.715
8.933	174.877	172.924	167.508	159.738	151.381	144.859	142.396	10.028
9.236	174.466	172.588	167.420	160.107	152.303	146.195	143.877	10.350
9.502	173.981	172.157	167.159	160.168	152.798	147.047	144.860	10.634
9.823	173.282	171.513	166.685	159.998	153.062	147.703	145.668	10.975
10.154	172.464	170.740	166.057	159.620	153.035	148.021	146.127	11.328
10.496	171.577	169.876	165.300	159.076	152.775	148.044	146.272	11.692
10.850	170.691	168.985	164.451	158.393	152.330	147.826	146.153	12.068
11.214	169.880	168.142	163.573	157.601	151.734	147.417	145.823	12.455
11.590	169.194	167.408	162.736	156.747	151.013	146.852	145.325	12.855
11.977	168.655	166.815	162.002	155.896	150.201	146.158	144.686	13.268
12.379	168.264	166.369	161.404	155.116	149.352	145.365	143.932	13.695
12.795	168.014	166.067	160.950	154.452	148.532	144.520	143.102	14.138
13.228	167.890	165.897	160.640	153.927	147.800	143.688	142.254	14.599
13.679	167.873	165.843	160.461	153.544	147.193	142.932	141.455	15.078
14.149	167.934	165.878	160.401	153.299	146.727	142.295	140.759	15.579
14.641	168.044	165.973	160.431	153.181	146.403	141.799	140.197	16.102
15.156	168.178	166.100	160.524	153.169	146.215	141.447	139.781	16.650

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 1.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.616	168.304	166.224	160.631	153.222	146.150	141.256	139.538	17.140
16.178	168.453	166.371	160.772	153.330	146.167	141.154	139.383	17.738
16.769	168.610	166.526	160.920	153.465	146.253	141.160	139.348	18.367
17.391	168.766	166.681	161.071	153.612	146.380	141.243	139.406	19.029
18.048	168.920	166.837	161.226	153.760	146.526	141.373	139.524	19.728
18.744	169.061	166.982	161.376	153.913	146.678	141.526	139.676	20.468
19.482	169.173	167.103	161.519	154.063	146.832	141.686	139.840	21.254
20.269	169.265	167.204	161.636	154.205	146.984	141.846	140.006	22.092
21.112	169.324	167.269	161.727	154.327	147.129	142.003	140.169	22.988
22.017	169.353	167.310	161.792	154.420	147.256	142.150	140.324	23.952
22.996	169.357	167.320	161.819	154.486	147.355	142.276	140.460	24.993
24.058	169.328	167.296	161.821	154.516	147.422	142.370	140.565	26.124
25.219	169.288	167.261	161.791	154.515	147.453	142.428	140.633	27.359
26.493	169.243	167.212	161.742	154.481	147.449	142.449	140.663	28.715
27.899	169.199	167.164	161.689	154.424	147.409	142.431	140.653	30.211
29.222	169.178	167.137	161.644	154.368	147.353	142.386	140.614	31.619
30.926	169.179	167.128	161.610	154.303	147.272	142.306	140.535	33.433
32.826	169.205	167.147	161.606	154.256	147.187	142.205	140.431	35.455
34.952	169.250	167.189	161.631	154.243	147.117	142.097	140.312	37.716
37.334	169.308	167.243	161.677	154.263	147.082	142.005	140.197	40.252
40.003	169.369	167.304	161.734	154.306	147.086	141.951	140.114	43.091
42.884	169.439	167.376	161.808	154.373	147.129	141.947	140.082	46.158
45.962	169.510	167.450	161.889	154.459	147.206	141.994	140.106	49.433
49.247	169.552	167.496	161.944	154.530	147.288	142.070	140.172	52.929
52.756	169.582	167.528	161.980	154.576	147.352	142.148	140.253	56.663
56.504	169.609	167.555	162.010	154.612	147.400	142.214	140.328	60.652
60.507	169.625	167.573	162.032	154.639	147.437	142.264	140.386	64.912
64.783	169.636	167.584	162.044	154.657	147.463	142.299	140.427	69.462
69.352	169.643	167.591	162.052	154.665	147.477	142.322	140.453	74.324
74.233	169.648	167.597	162.057	154.670	147.482	142.332	140.467	79.519
78.682	169.655	167.603	162.063	154.675	147.485	142.335	140.471	84.253
84.202	169.660	167.609	162.070	154.682	147.490	142.336	140.470	90.127
90.100	169.664	167.613	162.074	154.688	147.496	142.339	140.470	96.403
96.401	169.668	167.617	162.078	154.691	147.500	142.343	140.471	103.110
103.135	169.672	167.621	162.083	154.696	147.503	142.346	140.474	110.275
110.329	169.675	167.624	162.086	154.701	147.508	142.349	140.476	117.932
118.017	169.677	167.626	162.089	154.704	147.513	142.353	140.479	126.112
126.231	169.678	167.628	162.091	154.707	147.517	142.357	140.483	134.854
135.008	169.680	167.629	162.093	154.708	147.519	142.361	140.487	144.194
144.387	169.681	167.631	162.094	154.710	147.521	142.363	140.489	154.175
154.408	169.682	167.631	162.095	154.712	147.523	142.364	140.491	164.839
165.115	169.682	167.632	162.096	154.713	147.524	142.366	140.492	176.234
176.557	169.683	167.633	162.097	154.714	147.525	142.367	140.493	188.409
188.782	169.683	167.633	162.098	154.715	147.526	142.368	140.494	201.419
201.845	169.684	167.634	162.098	154.716	147.527	142.369	140.494	215.320

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RM
.905	1.588	1.551	1.453	1.328	1.211	1.132	1.104	1.475
.955	1.526	1.490	1.394	1.272	1.159	1.081	1.054	1.526
1.009	1.552	1.515	1.419	1.295	1.181	1.103	1.076	1.580
1.127	1.563	1.527	1.431	1.308	1.194	1.117	1.090	1.699
1.261	1.558	1.521	1.427	1.305	1.194	1.118	1.092	1.833
1.412	1.548	1.513	1.419	1.299	1.190	1.117	1.091	1.985
1.582	1.536	1.501	1.408	1.291	1.185	1.114	1.089	2.155
1.772	1.519	1.484	1.394	1.281	1.178	1.110	1.086	2.346
1.983	1.498	1.464	1.376	1.267	1.168	1.103	1.081	2.558
2.097	1.486	1.453	1.366	1.258	1.163	1.100	1.078	2.672
2.343	1.456	1.424	1.341	1.238	1.147	1.089	1.069	2.919
2.613	1.428	1.397	1.316	1.219	1.134	1.079	1.060	3.190
2.910	1.403	1.372	1.293	1.200	1.121	1.070	1.053	3.488
3.233	1.380	1.350	1.271	1.181	1.107	1.061	1.046	3.812
3.584	1.359	1.329	1.251	1.162	1.092	1.051	1.038	4.165
3.964	1.340	1.311	1.233	1.145	1.077	1.040	1.029	4.547
4.374	1.325	1.295	1.218	1.131	1.064	1.030	1.022	4.958
4.591	1.318	1.289	1.211	1.125	1.059	1.026	1.018	5.176
5.048	1.307	1.277	1.200	1.116	1.051	1.020	1.013	5.634
5.537	1.298	1.269	1.191	1.108	1.046	1.016	1.010	6.125
6.059	1.292	1.262	1.184	1.101	1.042	1.015	1.009	6.649
6.615	1.288	1.258	1.179	1.097	1.039	1.014	1.009	7.208
7.207	1.286	1.256	1.175	1.094	1.038	1.015	1.011	7.802
7.835	1.286	1.255	1.174	1.092	1.037	1.016	1.013	8.432
8.500	1.287	1.256	1.173	1.092	1.038	1.017	1.015	9.100
8.847	1.288	1.257	1.174	1.092	1.039	1.019	1.016	9.448
9.570	1.291	1.259	1.175	1.093	1.041	1.022	1.020	10.173
10.333	1.294	1.262	1.177	1.095	1.044	1.025	1.023	10.939
11.137	1.298	1.265	1.179	1.098	1.047	1.029	1.028	11.747
11.983	1.303	1.269	1.182	1.101	1.050	1.034	1.032	12.596
12.873	1.307	1.273	1.186	1.104	1.054	1.038	1.037	13.490
13.809	1.312	1.278	1.189	1.107	1.058	1.042	1.041	14.428
14.790	1.316	1.282	1.192	1.110	1.062	1.047	1.046	15.414
15.298	1.319	1.284	1.194	1.112	1.063	1.049	1.048	15.924
16.352	1.323	1.288	1.198	1.115	1.067	1.053	1.052	16.982
17.456	1.327	1.292	1.201	1.118	1.070	1.057	1.056	18.089
18.611	1.331	1.296	1.204	1.121	1.074	1.060	1.059	19.249
19.819	1.335	1.300	1.207	1.124	1.077	1.063	1.062	20.462
21.082	1.339	1.303	1.210	1.127	1.079	1.066	1.065	21.730
22.401	1.342	1.306	1.213	1.129	1.082	1.069	1.068	23.054
23.779	1.346	1.309	1.216	1.132	1.084	1.071	1.070	24.437
24.491	1.347	1.311	1.217	1.133	1.085	1.072	1.071	25.152
25.960	1.350	1.314	1.219	1.135	1.087	1.074	1.073	26.626
27.492	1.353	1.316	1.222	1.137	1.089	1.076	1.075	28.164
29.090	1.355	1.318	1.224	1.139	1.090	1.077	1.076	29.766

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES							S/RN
	0.	30.	60.	90.	120.	150.	180.	
30.754	1.357	1.321	1.226	1.140	1.092	1.078	1.077	31.439
32.489	1.360	1.323	1.227	1.142	1.093	1.079	1.078	33.180
34.295	1.362	1.324	1.229	1.143	1.094	1.080	1.079	34.993
36.176	1.363	1.326	1.231	1.145	1.095	1.081	1.080	36.881
37.145	1.364	1.327	1.231	1.145	1.096	1.081	1.080	37.854
39.141	1.366	1.328	1.233	1.146	1.097	1.082	1.081	39.858
41.218	1.367	1.330	1.234	1.147	1.097	1.083	1.081	41.943
43.379	1.369	1.331	1.235	1.148	1.098	1.083	1.081	44.112
45.625	1.370	1.332	1.236	1.149	1.099	1.084	1.082	46.367
47.961	1.371	1.333	1.237	1.150	1.099	1.084	1.082	48.711
50.388	1.372	1.334	1.238	1.151	1.100	1.084	1.082	51.148
52.911	1.373	1.335	1.239	1.152	1.100	1.085	1.083	53.680
54.208	1.374	1.336	1.239	1.152	1.100	1.085	1.083	54.983
56.879	1.375	1.337	1.240	1.153	1.101	1.085	1.083	57.664
59.654	1.375	1.338	1.241	1.153	1.101	1.085	1.083	60.449
62.535	1.376	1.338	1.242	1.154	1.102	1.085	1.083	63.341
65.526	1.377	1.339	1.242	1.154	1.102	1.085	1.083	66.344
68.632	1.378	1.340	1.243	1.155	1.102	1.086	1.083	69.461
71.856	1.378	1.340	1.243	1.155	1.102	1.086	1.083	72.697
75.201	1.379	1.341	1.244	1.155	1.103	1.086	1.083	76.056
76.921	1.379	1.341	1.244	1.156	1.103	1.086	1.083	77.782
80.458	1.380	1.342	1.245	1.156	1.103	1.086	1.083	81.333
84.128	1.380	1.342	1.245	1.156	1.103	1.086	1.083	85.017
87.936	1.381	1.343	1.245	1.157	1.103	1.086	1.083	88.839
91.886	1.381	1.343	1.246	1.157	1.104	1.086	1.083	92.804
95.983	1.382	1.343	1.246	1.157	1.104	1.086	1.083	96.917
100.232	1.382	1.344	1.247	1.158	1.104	1.086	1.083	101.183
104.640	1.382	1.344	1.247	1.158	1.104	1.086	1.083	105.607
106.904	1.382	1.344	1.247	1.158	1.104	1.086	1.083	107.880
111.559	1.383	1.345	1.247	1.158	1.104	1.086	1.083	112.552
116.385	1.383	1.345	1.248	1.158	1.104	1.087	1.083	117.397
121.390	1.383	1.345	1.248	1.159	1.105	1.087	1.083	122.421
126.580	1.384	1.345	1.248	1.159	1.105	1.087	1.083	127.630
131.960	1.384	1.346	1.248	1.159	1.105	1.087	1.083	133.032
137.539	1.384	1.346	1.249	1.159	1.105	1.087	1.083	138.632
143.324	1.384	1.346	1.249	1.159	1.105	1.087	1.083	144.438
146.295	1.384	1.346	1.249	1.159	1.105	1.087	1.083	147.421
152.401	1.385	1.346	1.249	1.160	1.105	1.087	1.083	153.551
158.732	1.385	1.346	1.249	1.160	1.105	1.087	1.083	159.906
165.296	1.385	1.347	1.249	1.160	1.105	1.087	1.083	166.495
172.102	1.385	1.347	1.250	1.160	1.106	1.087	1.083	173.326
179.158	1.385	1.347	1.250	1.160	1.106	1.087	1.083	180.409
186.473	1.385	1.347	1.250	1.160	1.106	1.087	1.083	187.753
194.059	1.385	1.347	1.250	1.160	1.106	1.087	1.083	195.367
201.924	1.385	1.347	1.250	1.160	1.106	1.087	1.083	203.263

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.912	2.588	2.522	2.348	2.128	1.924	1.786	1.738	1.483
.966	2.484	2.419	2.249	2.033	1.834	1.700	1.653	1.536
1.024	2.534	2.468	2.296	2.078	1.877	1.741	1.694	1.596
1.157	2.519	2.456	2.290	2.078	1.883	1.752	1.705	1.728
1.310	2.465	2.403	2.242	2.037	1.851	1.725	1.681	1.882
1.488	2.401	2.341	2.185	1.987	1.808	1.689	1.647	2.061
1.693	2.327	2.269	2.119	1.930	1.761	1.648	1.609	2.266
1.927	2.243	2.188	2.045	1.866	1.708	1.603	1.567	2.501
2.192	2.151	2.099	1.963	1.796	1.649	1.554	1.521	2.767
2.488	2.059	2.009	1.879	1.724	1.590	1.504	1.475	3.065
2.820	1.972	1.923	1.798	1.652	1.529	1.453	1.428	3.398
3.191	1.890	1.843	1.722	1.581	1.467	1.400	1.378	3.771
3.602	1.815	1.769	1.651	1.516	1.408	1.347	1.328	4.183
3.823	1.781	1.736	1.618	1.486	1.381	1.322	1.304	4.404
4.294	1.719	1.674	1.558	1.430	1.330	1.275	1.260	4.878
4.806	1.667	1.623	1.506	1.380	1.285	1.235	1.221	5.392
5.360	1.625	1.580	1.463	1.338	1.246	1.199	1.187	5.948
5.957	1.591	1.545	1.427	1.302	1.212	1.168	1.158	6.547
6.595	1.565	1.518	1.398	1.273	1.184	1.142	1.132	7.188
7.277	1.546	1.498	1.375	1.249	1.161	1.120	1.111	7.872
8.002	1.533	1.484	1.358	1.231	1.142	1.103	1.094	8.600
8.770	1.526	1.475	1.346	1.216	1.128	1.089	1.081	9.371
9.582	1.522	1.470	1.337	1.206	1.117	1.079	1.072	10.186
10.438	1.523	1.469	1.333	1.199	1.109	1.072	1.065	11.045
11.339	1.527	1.472	1.331	1.194	1.104	1.067	1.061	11.949
12.284	1.534	1.476	1.332	1.192	1.101	1.065	1.058	12.898
12.773	1.538	1.480	1.333	1.191	1.100	1.064	1.058	13.389
13.786	1.548	1.487	1.336	1.192	1.100	1.064	1.058	14.406
14.845	1.559	1.497	1.341	1.194	1.101	1.066	1.060	15.469
15.950	1.570	1.507	1.348	1.197	1.102	1.068	1.063	16.578
17.102	1.583	1.518	1.355	1.200	1.105	1.071	1.067	17.734
18.301	1.596	1.529	1.362	1.205	1.108	1.075	1.071	18.938
19.548	1.608	1.540	1.370	1.210	1.112	1.080	1.075	20.190
20.844	1.621	1.551	1.378	1.215	1.116	1.084	1.080	21.490
22.188	1.633	1.562	1.386	1.220	1.120	1.089	1.086	22.840
23.583	1.644	1.572	1.394	1.225	1.124	1.094	1.091	24.240
25.026	1.654	1.582	1.401	1.230	1.128	1.098	1.096	25.691
26.525	1.664	1.591	1.409	1.235	1.132	1.103	1.101	27.194
28.074	1.673	1.599	1.416	1.240	1.136	1.107	1.105	28.749
28.869	1.678	1.603	1.419	1.243	1.138	1.109	1.108	29.546
30.498	1.686	1.611	1.425	1.247	1.142	1.113	1.112	31.181
32.181	1.693	1.618	1.431	1.252	1.145	1.117	1.116	32.872
33.921	1.700	1.624	1.436	1.256	1.149	1.120	1.120	34.617
35.716	1.706	1.630	1.442	1.260	1.152	1.123	1.123	36.420
37.569	1.712	1.635	1.446	1.263	1.155	1.126	1.126	38.280

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.481	1.717	1.640	1.451	1.267	1.157	1.129	1.129	40.199
41.452	1.721	1.644	1.455	1.270	1.160	1.131	1.131	42.178
43.484	1.725	1.648	1.458	1.273	1.162	1.133	1.134	44.218
45.578	1.729	1.652	1.462	1.276	1.165	1.135	1.136	46.320
47.736	1.733	1.656	1.465	1.279	1.167	1.137	1.137	48.485
49.957	1.736	1.659	1.468	1.281	1.169	1.138	1.139	50.715
51.093	1.738	1.660	1.469	1.282	1.170	1.139	1.139	51.855
53.414	1.740	1.663	1.472	1.285	1.171	1.140	1.141	54.185
55.802	1.743	1.665	1.474	1.287	1.173	1.141	1.142	56.583
58.260	1.745	1.668	1.476	1.289	1.174	1.142	1.143	59.050
60.788	1.747	1.670	1.478	1.290	1.176	1.143	1.144	61.588
63.388	1.749	1.672	1.480	1.292	1.177	1.144	1.144	64.198
66.062	1.751	1.674	1.482	1.294	1.179	1.145	1.145	66.882
68.812	1.753	1.675	1.484	1.295	1.180	1.146	1.145	69.642
71.638	1.755	1.677	1.485	1.297	1.181	1.146	1.146	72.479
74.543	1.756	1.678	1.487	1.298	1.182	1.147	1.146	75.395
77.528	1.757	1.680	1.488	1.299	1.183	1.148	1.147	78.392
80.597	1.759	1.681	1.489	1.300	1.184	1.148	1.147	81.472
83.749	1.760	1.682	1.491	1.301	1.184	1.149	1.147	84.636
85.358	1.760	1.683	1.491	1.302	1.185	1.149	1.147	86.251
88.642	1.761	1.684	1.492	1.302	1.186	1.149	1.148	89.548
92.017	1.762	1.685	1.493	1.303	1.186	1.150	1.148	92.935
95.485	1.763	1.686	1.494	1.304	1.187	1.150	1.148	96.417
99.049	1.764	1.687	1.495	1.305	1.188	1.150	1.148	99.994
102.712	1.765	1.687	1.496	1.306	1.188	1.151	1.149	103.672
106.478	1.765	1.688	1.497	1.306	1.189	1.151	1.149	107.452
110.350	1.766	1.689	1.497	1.307	1.189	1.151	1.149	111.339
114.332	1.766	1.689	1.498	1.307	1.190	1.152	1.149	115.336
118.428	1.767	1.690	1.499	1.308	1.190	1.152	1.149	119.448
122.642	1.767	1.690	1.499	1.308	1.191	1.152	1.149	123.678
126.979	1.767	1.691	1.500	1.309	1.191	1.153	1.149	128.032
131.444	1.768	1.691	1.500	1.309	1.191	1.153	1.150	132.513
133.725	1.768	1.692	1.501	1.310	1.192	1.153	1.150	134.803
138.390	1.768	1.692	1.501	1.310	1.192	1.153	1.150	139.486
143.194	1.768	1.692	1.502	1.310	1.192	1.153	1.150	144.308
148.143	1.768	1.692	1.502	1.311	1.193	1.154	1.150	149.276
153.242	1.768	1.693	1.503	1.311	1.193	1.154	1.150	154.395
158.497	1.768	1.693	1.503	1.311	1.193	1.154	1.150	159.670
163.913	1.768	1.693	1.504	1.312	1.193	1.154	1.150	165.106
169.495	1.768	1.693	1.504	1.312	1.194	1.154	1.150	170.710
175.251	1.768	1.694	1.504	1.312	1.194	1.155	1.150	176.487
181.184	1.768	1.694	1.505	1.312	1.194	1.155	1.150	182.443
187.302	1.768	1.694	1.505	1.313	1.194	1.155	1.151	188.585
193.611	1.768	1.694	1.506	1.313	1.195	1.155	1.151	194.917
200.116	1.768	1.694	1.506	1.313	1.195	1.155	1.151	201.447

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	8.613	8.378	7.760	6.980	6.266	5.782	5.614	1.484
1.019	8.352	8.122	7.517	6.753	6.056	5.586	5.423	1.590
1.085	8.278	8.054	7.466	6.722	6.041	5.582	5.422	1.656
1.329	7.797	7.587	7.041	6.354	5.733	5.319	5.174	1.901
1.515	7.435	7.237	6.721	6.075	5.494	5.107	4.972	2.088
1.724	7.045	6.858	6.375	5.773	5.236	4.881	4.758	2.298
2.091	6.431	6.261	5.825	5.289	4.819	4.515	4.411	2.666
2.370	6.010	5.853	5.450	4.962	4.543	4.277	4.187	2.946
2.843	5.428	5.283	4.914	4.483	4.127	3.911	3.840	3.421
3.198	5.067	4.932	4.584	4.183	3.859	3.668	3.608	3.777
3.584	4.733	4.605	4.275	3.902	3.606	3.436	3.384	4.164
4.224	4.292	4.170	3.859	3.518	3.258	3.117	3.077	4.807
4.693	4.038	3.919	3.616	3.290	3.048	2.924	2.890	5.278
5.195	3.815	3.698	3.400	3.085	2.857	2.745	2.717	5.782
6.011	3.535	3.418	3.124	2.820	2.606	2.505	2.482	6.601
6.597	3.380	3.262	2.969	2.669	2.461	2.365	2.344	7.189
7.536	3.188	3.069	2.773	2.477	2.274	2.184	2.164	8.132
8.202	3.084	2.963	2.664	2.368	2.168	2.080	2.060	8.800
8.899	2.997	2.873	2.570	2.273	2.074	1.987	1.968	9.500
10.001	2.892	2.764	2.453	2.152	1.954	1.868	1.849	10.606
10.772	2.839	2.707	2.389	2.084	1.886	1.800	1.781	11.380
11.983	2.778	2.640	2.309	1.998	1.797	1.712	1.692	12.596
12.825	2.751	2.607	2.267	1.950	1.747	1.661	1.642	13.441
13.694	2.731	2.582	2.231	1.907	1.702	1.617	1.597	14.313
15.048	2.718	2.559	2.190	1.854	1.645	1.559	1.540	15.673
15.985	2.717	2.552	2.170	1.825	1.612	1.525	1.507	16.613
16.948	2.724	2.552	2.155	1.799	1.582	1.496	1.477	17.580
18.444	2.745	2.561	2.141	1.768	1.544	1.457	1.439	19.082
19.476	2.766	2.573	2.137	1.752	1.523	1.435	1.417	20.118
21.077	2.807	2.601	2.138	1.733	1.495	1.407	1.389	21.725
22.181	2.840	2.625	2.143	1.723	1.479	1.390	1.373	22.833
23.316	2.877	2.653	2.152	1.716	1.466	1.376	1.359	23.972
25.078	2.939	2.701	2.170	1.710	1.449	1.358	1.341	25.741
26.294	2.984	2.736	2.186	1.708	1.439	1.347	1.331	26.962
27.545	3.032	2.775	2.204	1.708	1.431	1.339	1.323	28.218
29.491	3.107	2.837	2.235	1.712	1.421	1.328	1.313	30.171
30.835	3.158	2.880	2.259	1.716	1.416	1.322	1.308	31.520
32.926	3.236	2.946	2.298	1.725	1.411	1.315	1.302	33.619
34.371	3.287	2.991	2.325	1.732	1.408	1.312	1.300	35.069
35.857	3.338	3.036	2.354	1.741	1.406	1.309	1.298	36.561
38.166	3.411	3.101	2.398	1.757	1.405	1.307	1.298	38.879
39.759	3.457	3.143	2.428	1.768	1.405	1.306	1.298	40.478
42.227	3.522	3.204	2.472	1.787	1.406	1.305	1.300	42.956
43.925	3.562	3.242	2.502	1.800	1.407	1.305	1.302	44.660
45.665	3.600	3.277	2.531	1.815	1.409	1.306	1.305	46.407

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
48.352	3.651	3.327	2.572	1.836	1.413	1.307	1.309	49.104
50.193	3.683	3.358	2.598	1.851	1.416	1.308	1.312	50.952
52.073	3.712	3.386	2.623	1.867	1.420	1.309	1.316	52.839
54.965	3.752	3.426	2.658	1.889	1.426	1.311	1.321	55.742
56.918	3.776	3.449	2.680	1.904	1.431	1.313	1.325	57.703
59.861	3.809	3.482	2.709	1.926	1.438	1.315	1.330	60.657
61.834	3.828	3.502	2.727	1.939	1.444	1.317	1.333	62.637
63.816	3.845	3.520	2.744	1.953	1.449	1.318	1.336	64.627
66.812	3.868	3.544	2.767	1.971	1.458	1.321	1.340	67.634
68.829	3.881	3.559	2.781	1.983	1.464	1.323	1.343	69.659
71.893	3.898	3.579	2.800	1.999	1.473	1.326	1.347	72.735
73.967	3.907	3.591	2.812	2.009	1.479	1.328	1.350	74.817
76.072	3.914	3.602	2.823	2.019	1.485	1.330	1.352	76.929
79.293	3.922	3.617	2.839	2.033	1.494	1.333	1.356	80.163
81.487	3.924	3.625	2.849	2.041	1.500	1.336	1.358	82.366
83.723	3.924	3.632	2.858	2.049	1.506	1.338	1.360	84.610
87.159	3.921	3.640	2.870	2.060	1.515	1.341	1.363	88.059
89.506	3.917	3.643	2.878	2.067	1.521	1.344	1.364	90.415
93.117	3.911	3.645	2.889	2.077	1.530	1.347	1.367	94.040
95.587	3.907	3.644	2.896	2.083	1.536	1.350	1.368	96.519
98.109	3.904	3.642	2.902	2.089	1.541	1.352	1.370	99.051
101.991	3.901	3.637	2.911	2.097	1.549	1.356	1.372	102.948
104.650	3.900	3.633	2.917	2.101	1.554	1.358	1.373	105.617
107.366	3.899	3.630	2.922	2.106	1.559	1.361	1.374	108.343
111.552	3.898	3.626	2.931	2.112	1.566	1.364	1.375	112.545
114.420	3.897	3.624	2.936	2.115	1.570	1.367	1.376	115.424
118.843	3.895	3.623	2.943	2.120	1.577	1.370	1.377	119.864
121.875	3.893	3.622	2.948	2.123	1.581	1.373	1.378	122.908
124.976	3.891	3.622	2.951	2.126	1.584	1.375	1.379	126.020
129.759	3.889	3.621	2.956	2.129	1.590	1.379	1.380	130.822
133.038	3.887	3.621	2.958	2.131	1.593	1.381	1.381	134.114
138.099	3.885	3.620	2.960	2.134	1.597	1.384	1.382	139.194
141.569	3.883	3.620	2.960	2.135	1.600	1.386	1.382	142.677
145.119	3.882	3.619	2.961	2.137	1.603	1.388	1.383	146.240
150.596	3.880	3.618	2.961	2.140	1.606	1.392	1.384	151.739
154.352	3.879	3.616	2.961	2.142	1.609	1.394	1.384	155.509
158.194	3.878	3.615	2.961	2.145	1.611	1.396	1.385	159.366
164.122	3.878	3.614	2.961	2.149	1.614	1.398	1.386	165.316
168.186	3.877	3.612	2.960	2.152	1.615	1.400	1.386	169.396
174.457	3.877	3.611	2.959	2.157	1.618	1.403	1.387	175.690
178.756	3.877	3.610	2.959	2.161	1.619	1.404	1.388	180.006
183.153	3.877	3.609	2.958	2.165	1.621	1.406	1.388	184.419
189.936	3.878	3.607	2.956	2.171	1.623	1.408	1.389	191.228
194.586	3.878	3.607	2.955	2.174	1.624	1.410	1.390	195.897
201.761	3.879	3.605	2.953	2.180	1.625	1.412	1.391	203.098

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	18.664	18.148	16.790	15.080	13.512	12.457	12.091	1.484
1.016	18.059	17.554	16.228	14.557	13.033	12.009	11.654	1.587
1.156	17.517	17.040	15.791	14.216	12.783	11.819	11.483	1.727
1.408	16.339	15.896	14.741	13.293	11.988	11.119	10.817	1.981
1.709	15.017	14.613	13.570	12.272	11.114	10.349	10.064	2.283
2.069	13.618	13.254	12.320	11.171	10.166	9.515	9.292	2.644
2.488	12.220	11.896	11.064	10.072	9.230	8.701	8.524	3.064
2.971	10.943	10.648	9.895	9.020	8.303	7.874	7.735	3.549
3.521	9.781	9.515	8.831	8.056	7.438	7.083	6.974	4.102
3.927	9.088	8.834	8.185	7.466	6.908	6.597	6.506	4.509
4.594	8.179	7.938	7.326	6.668	6.181	5.930	5.862	5.179
5.331	7.421	7.187	6.599	5.983	5.543	5.333	5.282	5.918
6.137	6.797	6.567	5.994	5.406	4.998	4.811	4.770	6.727
7.010	6.289	6.060	5.493	4.923	4.537	4.365	4.329	7.604
7.946	5.878	5.647	5.081	4.522	4.149	3.988	3.954	8.543
8.942	5.547	5.313	4.743	4.189	3.824	3.668	3.635	9.544
9.995	5.282	5.042	4.463	3.911	3.551	3.398	3.365	10.600
11.100	5.071	4.824	4.233	3.678	3.321	3.169	3.136	11.709
11.863	4.957	4.703	4.103	3.544	3.188	3.037	3.003	12.476
13.047	4.819	4.555	3.936	3.369	3.013	2.863	2.829	13.664
14.273	4.717	4.440	3.799	3.221	2.863	2.714	2.680	14.894
15.538	4.646	4.355	3.688	3.096	2.734	2.586	2.552	16.164
16.839	4.602	4.294	3.598	2.989	2.622	2.475	2.442	17.471
18.175	4.583	4.256	3.527	2.898	2.525	2.378	2.345	18.811
19.542	4.585	4.238	3.472	2.820	2.440	2.293	2.261	20.184
20.939	4.606	4.237	3.432	2.754	2.366	2.219	2.188	21.586
22.363	4.646	4.253	3.404	2.699	2.300	2.154	2.123	23.016
23.328	4.682	4.272	3.393	2.667	2.261	2.114	2.084	23.984
24.797	4.750	4.312	3.384	2.625	2.208	2.061	2.032	25.458
26.289	4.833	4.366	3.385	2.591	2.162	2.014	1.985	26.957
27.806	4.931	4.433	3.395	2.563	2.120	1.972	1.944	28.480
29.346	5.043	4.511	3.414	2.541	2.084	1.935	1.908	30.025
30.908	5.166	4.601	3.441	2.525	2.051	1.901	1.876	31.593
32.491	5.300	4.700	3.476	2.513	2.022	1.871	1.847	33.182
34.095	5.443	4.809	3.517	2.505	1.996	1.845	1.822	34.792
35.719	5.593	4.925	3.565	2.502	1.973	1.821	1.800	36.423
36.812	5.696	5.006	3.601	2.501	1.959	1.806	1.786	37.520
38.467	5.853	5.132	3.658	2.504	1.941	1.787	1.768	39.182
40.140	6.011	5.261	3.721	2.510	1.924	1.769	1.752	40.860
41.828	6.167	5.392	3.788	2.519	1.909	1.753	1.739	42.555
43.531	6.320	5.522	3.859	2.531	1.897	1.738	1.727	44.264
45.246	6.468	5.651	3.933	2.546	1.885	1.726	1.716	45.986
46.973	6.610	5.777	4.008	2.563	1.875	1.714	1.707	47.720
48.710	6.745	5.899	4.085	2.582	1.867	1.703	1.700	49.463
50.457	6.872	6.016	4.162	2.604	1.860	1.694	1.694	51.217

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
51.627	6.952	6.091	4.214	2.619	1.856	1.688	1.690	52.391
53.389	7.066	6.199	4.290	2.644	1.850	1.680	1.685	54.160
55.164	7.171	6.301	4.365	2.670	1.846	1.672	1.681	55.941
56.952	7.268	6.397	4.438	2.698	1.843	1.665	1.678	57.737
58.761	7.356	6.488	4.510	2.727	1.841	1.659	1.676	59.552
60.595	7.435	6.574	4.580	2.757	1.840	1.653	1.674	61.394
62.464	7.505	6.654	4.647	2.789	1.841	1.647	1.672	63.270
64.376	7.564	6.728	4.712	2.822	1.842	1.642	1.671	65.190
66.342	7.611	6.797	4.776	2.856	1.844	1.637	1.671	67.163
67.687	7.635	6.839	4.817	2.879	1.846	1.634	1.671	68.512
69.762	7.656	6.897	4.877	2.915	1.850	1.630	1.671	70.595
71.915	7.660	6.946	4.935	2.952	1.856	1.626	1.671	72.756
74.155	7.645	6.985	4.990	2.989	1.862	1.622	1.671	75.005
76.491	7.614	7.010	5.044	3.026	1.870	1.619	1.672	77.350
78.932	7.574	7.019	5.095	3.064	1.879	1.616	1.672	79.801
81.488	7.534	7.010	5.143	3.102	1.890	1.614	1.673	82.367
84.159	7.499	6.986	5.189	3.139	1.902	1.612	1.674	85.048
86.957	7.471	6.951	5.232	3.174	1.915	1.610	1.675	87.856
88.899	7.456	6.925	5.259	3.198	1.924	1.609	1.675	89.805
91.911	7.436	6.888	5.297	3.231	1.940	1.608	1.676	92.829
95.010	7.420	6.856	5.333	3.263	1.956	1.608	1.677	95.940
98.200	7.405	6.830	5.363	3.293	1.973	1.608	1.677	99.143
101.487	7.391	6.808	5.387	3.320	1.990	1.609	1.677	102.442
104.874	7.380	6.791	5.401	3.345	2.008	1.610	1.677	105.842
108.367	7.369	6.776	5.406	3.368	2.027	1.612	1.677	109.348
111.969	7.359	6.765	5.402	3.389	2.045	1.614	1.677	112.964
115.682	7.350	6.756	5.392	3.408	2.063	1.617	1.677	116.692
118.222	7.344	6.750	5.384	3.420	2.075	1.619	1.677	119.240
122.127	7.337	6.742	5.371	3.438	2.092	1.623	1.677	123.161
126.150	7.333	6.735	5.358	3.455	2.110	1.627	1.677	127.199
130.292	7.330	6.728	5.346	3.472	2.126	1.631	1.677	131.357
134.557	7.329	6.722	5.335	3.490	2.142	1.636	1.676	135.638
138.946	7.330	6.717	5.324	3.509	2.157	1.641	1.676	140.044
143.465	7.332	6.713	5.314	3.529	2.172	1.646	1.676	144.580
148.115	7.334	6.711	5.303	3.549	2.186	1.652	1.676	149.248
152.902	7.335	6.709	5.293	3.567	2.198	1.657	1.675	154.053
156.170	7.336	6.709	5.287	3.580	2.206	1.661	1.675	157.334
161.192	7.336	6.709	5.277	3.596	2.218	1.667	1.675	162.375
166.360	7.337	6.710	5.268	3.611	2.228	1.674	1.675	167.563
171.679	7.338	6.710	5.260	3.624	2.237	1.680	1.675	172.902
177.152	7.339	6.711	5.252	3.635	2.245	1.686	1.675	178.396
182.784	7.341	6.711	5.244	3.643	2.253	1.692	1.675	184.049
188.580	7.343	6.711	5.237	3.649	2.259	1.698	1.675	189.867
194.543	7.345	6.711	5.230	3.654	2.265	1.705	1.675	195.854
200.680	7.347	6.711	5.223	3.657	2.270	1.711	1.675	202.014

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.913	32.734	31.823	29.430	26.418	23.658	21.802	21.157	1.484
1.079	31.306	30.443	28.179	25.317	22.706	20.948	20.335	1.650
1.232	29.990	29.167	27.021	24.326	21.887	20.254	19.685	1.804
1.498	27.786	27.031	25.070	22.615	20.409	18.943	18.435	2.071
1.935	24.520	23.861	22.166	20.073	18.229	17.025	16.610	2.510
2.330	22.008	21.427	19.925	18.111	16.553	15.560	15.226	2.906
2.787	19.671	19.140	17.787	16.203	14.893	14.094	13.832	3.365
3.498	16.867	16.407	15.227	13.887	12.819	12.204	12.014	4.079
4.110	15.057	14.629	13.541	12.346	11.434	10.936	10.792	4.693
4.791	13.520	13.113	12.086	10.992	10.194	9.793	9.689	5.377
5.804	11.861	11.471	10.496	9.491	8.789	8.465	8.392	6.394
6.640	10.873	10.488	9.534	8.571	7.916	7.625	7.564	7.233
7.538	10.065	9.681	8.738	7.803	7.179	6.911	6.856	8.134
8.824	9.215	8.827	7.886	6.973	6.375	6.122	6.071	9.425
9.850	8.715	8.321	7.372	6.468	5.882	5.635	5.583	10.455
10.924	8.310	7.906	6.945	6.043	5.465	5.222	5.169	11.533
12.423	7.892	7.471	6.483	5.576	5.004	4.765	4.712	13.037
13.592	7.654	7.216	6.202	5.285	4.716	4.479	4.425	14.211
14.795	7.469	7.012	5.966	5.036	4.466	4.232	4.179	15.419
16.446	7.295	6.808	5.713	4.758	4.184	3.952	3.900	17.076
17.715	7.210	6.698	5.559	4.582	4.003	3.773	3.721	18.350
19.007	7.160	6.620	5.433	4.429	3.844	3.616	3.565	19.647
20.761	7.140	6.559	5.301	4.257	3.660	3.434	3.384	21.407
22.096	7.158	6.542	5.226	4.147	3.540	3.315	3.267	22.747
23.444	7.201	6.547	5.167	4.051	3.434	3.210	3.163	24.101
25.259	7.297	6.587	5.114	3.943	3.309	3.086	3.040	25.923
26.631	7.396	6.639	5.090	3.874	3.226	3.004	2.960	27.299
28.008	7.518	6.710	5.079	3.814	3.152	2.930	2.888	28.683
29.852	7.713	6.833	5.082	3.748	3.063	2.843	2.802	30.534
31.238	7.883	6.944	5.098	3.706	3.005	2.784	2.745	31.925
32.625	8.071	7.071	5.123	3.671	2.951	2.731	2.694	33.317
34.473	8.348	7.264	5.173	3.634	2.887	2.667	2.633	35.172
35.857	8.573	7.424	5.220	3.613	2.844	2.624	2.592	36.561
37.238	8.810	7.596	5.275	3.596	2.805	2.585	2.554	37.948
39.074	9.142	7.841	5.361	3.581	2.758	2.537	2.510	39.790
40.444	9.399	8.035	5.434	3.575	2.726	2.505	2.480	41.166
41.809	9.660	8.235	5.513	3.572	2.697	2.475	2.452	42.536
43.620	10.012	8.510	5.627	3.574	2.662	2.439	2.420	44.353
44.969	10.274	8.720	5.719	3.579	2.638	2.414	2.398	45.708
46.311	10.534	8.932	5.815	3.586	2.616	2.392	2.377	47.056
48.090	10.872	9.213	5.949	3.601	2.589	2.363	2.353	48.841
49.415	11.118	9.422	6.054	3.615	2.571	2.344	2.337	50.171
50.733	11.355	9.628	6.161	3.631	2.555	2.326	2.322	51.494
52.483	11.656	9.897	6.307	3.656	2.534	2.303	2.304	53.250
53.790	11.869	10.093	6.418	3.677	2.520	2.288	2.292	54.563

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
55.096	12.070	10.283	6.530	3.699	2.508	2.273	2.281	55.874
56.404	12.258	10.468	6.644	3.724	2.496	2.259	2.271	57.186
58.154	12.487	10.704	6.796	3.760	2.482	2.241	2.258	58.944
59.478	12.640	10.874	6.911	3.789	2.472	2.229	2.250	60.272
60.816	12.776	11.037	7.026	3.821	2.463	2.216	2.242	61.615
62.628	12.926	11.241	7.179	3.865	2.453	2.201	2.233	63.435
64.016	13.011	11.384	7.295	3.901	2.446	2.190	2.227	64.827
65.432	13.070	11.517	7.410	3.939	2.440	2.179	2.221	66.249
67.374	13.105	11.673	7.562	3.993	2.434	2.164	2.214	68.199
68.877	13.096	11.772	7.676	4.036	2.430	2.154	2.209	69.707
70.425	13.060	11.853	7.789	4.081	2.427	2.143	2.204	71.261
72.569	12.975	11.925	7.938	4.145	2.424	2.130	2.199	73.414
74.237	12.894	11.949	8.048	4.196	2.423	2.120	2.195	75.088
75.953	12.808	11.945	8.155	4.248	2.424	2.110	2.192	76.811
78.328	12.692	11.898	8.294	4.320	2.426	2.097	2.187	79.195
80.182	12.610	11.837	8.394	4.376	2.429	2.087	2.184	81.056
82.106	12.536	11.760	8.490	4.433	2.434	2.078	2.181	82.987
84.794	12.447	11.644	8.613	4.512	2.442	2.065	2.177	85.685
86.911	12.388	11.554	8.699	4.571	2.450	2.056	2.174	87.811
89.126	12.337	11.466	8.777	4.632	2.459	2.048	2.171	90.034
92.248	12.280	11.357	8.866	4.713	2.475	2.037	2.167	93.167
94.728	12.245	11.283	8.916	4.775	2.489	2.029	2.164	95.657
97.340	12.216	11.217	8.947	4.836	2.504	2.021	2.161	98.279
101.048	12.185	11.144	8.954	4.917	2.529	2.012	2.156	102.002
104.006	12.165	11.101	8.934	4.976	2.549	2.005	2.153	104.970
107.102	12.150	11.069	8.896	5.035	2.572	1.999	2.149	108.078
111.465	12.137	11.037	8.830	5.111	2.605	1.993	2.143	112.458
114.876	12.133	11.020	8.777	5.167	2.632	1.989	2.139	115.882
118.381	12.134	11.008	8.726	5.223	2.660	1.985	2.134	119.400
123.204	12.140	10.999	8.663	5.296	2.698	1.982	2.127	124.242
126.935	12.147	10.996	8.620	5.351	2.728	1.981	2.121	127.987
130.766	12.154	10.997	8.580	5.404	2.758	1.981	2.116	131.833
136.032	12.162	11.003	8.533	5.471	2.799	1.982	2.110	137.119
140.104	12.166	11.009	8.502	5.518	2.830	1.983	2.105	141.206
144.282	12.169	11.016	8.475	5.560	2.860	1.986	2.100	145.401
150.025	12.172	11.026	8.442	5.607	2.899	1.990	2.093	151.166
154.465	12.174	11.033	8.420	5.635	2.928	1.994	2.089	155.622
159.021	12.177	11.039	8.401	5.656	2.955	1.998	2.084	160.196
165.284	12.180	11.045	8.377	5.676	2.989	2.005	2.078	166.482
170.125	12.183	11.049	8.363	5.684	3.014	2.011	2.074	171.342
175.093	12.186	11.052	8.350	5.687	3.036	2.018	2.070	176.329
181.924	12.191	11.054	8.336	5.687	3.064	2.027	2.065	183.186
187.205	12.194	11.054	8.327	5.684	3.084	2.035	2.061	188.488
192.628	12.197	11.054	8.319	5.679	3.102	2.042	2.057	193.931
200.084	12.201	11.054	8.310	5.672	3.125	2.054	2.053	201.415

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	50.827	49.401	45.688	40.988	36.716	33.818	32.806	1.484
1.078	48.577	47.234	43.717	39.263	35.209	32.472	31.517	1.650
1.315	45.403	44.158	40.911	36.836	33.164	30.708	29.855	1.887
1.701	40.540	39.444	36.608	33.082	29.838	27.859	27.139	2.275
2.056	36.643	35.658	33.127	30.021	27.299	25.533	24.927	2.631
2.621	31.549	30.701	28.532	25.979	23.835	22.505	22.064	3.199
3.299	27.022	26.290	24.407	22.253	20.514	19.498	19.179	3.879
3.885	24.048	23.376	21.662	19.758	18.277	17.452	17.207	4.467
4.772	20.740	20.117	18.545	16.869	15.647	15.035	14.876	5.357
5.777	18.133	17.538	16.052	14.519	13.450	12.960	12.851	6.367
6.606	16.574	15.988	14.539	13.077	12.083	11.646	11.555	7.199
7.805	14.923	14.341	12.917	11.514	10.586	10.192	10.113	8.402
9.100	13.660	13.072	11.652	10.284	9.394	9.021	8.946	9.702
10.130	12.912	12.315	10.886	9.533	8.661	8.297	8.221	10.736
11.570	12.126	11.510	10.056	8.708	7.854	7.497	7.419	12.182
13.079	11.534	10.891	9.397	8.042	7.198	6.847	6.769	13.696
14.249	11.193	10.525	8.993	7.626	6.785	6.438	6.360	14.871
15.854	10.851	10.146	8.551	7.158	6.316	5.975	5.898	16.482
17.501	10.619	9.868	8.199	6.771	5.924	5.588	5.512	18.135
19.183	10.476	9.674	7.921	6.448	5.594	5.262	5.187	19.823
20.462	10.420	9.576	7.752	6.241	5.378	5.049	4.976	21.107
22.185	10.407	9.499	7.572	6.005	5.128	4.802	4.732	22.837
23.923	10.458	9.478	7.436	5.805	4.911	4.589	4.521	24.581
25.231	10.537	9.496	7.359	5.676	4.768	4.448	4.382	25.895
26.978	10.692	9.563	7.286	5.527	4.599	4.282	4.219	27.649
28.724	10.904	9.675	7.243	5.401	4.450	4.136	4.076	29.400
30.028	11.098	9.787	7.230	5.320	4.350	4.038	3.980	30.710
31.759	11.401	9.973	7.235	5.228	4.231	3.921	3.866	32.447
33.476	11.751	10.198	7.264	5.152	4.126	3.817	3.765	34.171
34.753	12.042	10.390	7.300	5.104	4.054	3.746	3.697	35.452
36.439	12.463	10.675	7.366	5.050	3.968	3.661	3.616	37.145
38.105	12.918	10.989	7.450	5.009	3.890	3.584	3.543	38.818
39.341	13.278	11.242	7.525	4.984	3.837	3.532	3.493	40.058
40.969	13.777	11.600	7.638	4.959	3.773	3.468	3.433	41.692
42.573	14.293	11.977	7.766	4.942	3.715	3.411	3.379	43.303
43.761	14.688	12.270	7.870	4.934	3.676	3.371	3.342	44.495
45.324	15.218	12.671	8.019	4.930	3.627	3.322	3.297	46.065
46.864	15.748	13.081	8.178	4.931	3.583	3.277	3.257	47.611
48.382	16.272	13.496	8.346	4.938	3.543	3.236	3.220	49.134
49.506	16.658	13.809	8.478	4.947	3.515	3.207	3.195	50.263
50.989	17.159	14.224	8.660	4.962	3.480	3.172	3.164	51.751
52.454	17.641	14.637	8.848	4.982	3.448	3.139	3.136	53.222
53.545	17.987	14.942	8.994	4.999	3.426	3.116	3.117	54.316
54.990	18.424	15.343	9.192	5.025	3.398	3.086	3.093	55.767
56.430	18.830	15.735	9.395	5.055	3.373	3.059	3.071	57.213

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	δ_s	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
57.510	19.110	16.022	9.551	5.080	3.335	3.039	3.055	58.297
58.954	19.447	16.394	9.763	5.117	3.332	3.014	3.037	59.747
60.410	19.735	16.751	9.978	5.157	3.311	2.990	3.019	61.208
61.513	19.915	17.007	10.143	5.189	3.296	2.973	3.007	62.316
63.005	20.101	17.331	10.367	5.236	3.277	2.950	2.991	63.813
64.527	20.217	17.629	10.594	5.287	3.259	2.928	2.977	65.341
65.694	20.257	17.831	10.767	5.328	3.247	2.912	2.967	66.512
67.287	20.246	18.066	11.001	5.387	3.231	2.891	2.954	68.111
68.932	20.167	18.253	11.238	5.451	3.217	2.869	2.942	69.763
70.637	20.031	18.383	11.479	5.519	3.204	2.848	2.931	71.474
71.951	19.903	18.438	11.659	5.574	3.195	2.833	2.923	72.793
73.746	19.710	18.451	11.899	5.651	3.184	2.812	2.913	74.595
75.601	19.506	18.396	12.137	5.733	3.175	2.791	2.904	76.457
77.038	19.354	18.316	12.314	5.797	3.169	2.776	2.897	77.899
79.020	19.159	18.164	12.545	5.887	3.163	2.755	2.888	79.889
81.092	18.977	17.976	12.771	5.983	3.159	2.734	2.880	81.969
82.710	18.853	17.820	12.934	6.057	3.158	2.718	2.874	83.594
84.968	18.705	17.602	13.139	6.162	3.157	2.697	2.866	85.859
87.351	18.580	17.383	13.324	6.272	3.160	2.676	2.858	88.252
89.233	18.503	17.225	13.442	6.358	3.164	2.660	2.852	90.141
91.380	18.421	17.027	13.564	6.477	3.171	2.639	2.843	92.798
94.684	18.361	16.853	13.632	6.600	3.182	2.618	2.834	95.613
96.865	18.330	16.744	13.645	6.695	3.193	2.602	2.827	97.802
99.890	18.302	16.627	13.610	6.823	3.210	2.582	2.817	100.839
103.067	18.287	16.541	13.525	6.953	3.231	2.562	2.806	104.028
105.564	18.284	16.495	13.438	7.053	3.249	2.548	2.798	106.534
109.066	18.288	16.455	13.301	7.189	3.277	2.531	2.787	110.049
112.792	18.300	16.436	13.155	7.330	3.310	2.514	2.775	113.790
116.775	18.317	16.434	13.010	7.477	3.349	2.499	2.763	117.789
119.954	18.333	16.442	12.905	7.590	3.382	2.488	2.753	120.979
124.479	18.353	16.461	12.775	7.742	3.431	2.475	2.738	125.522
129.273	18.371	16.487	12.662	7.889	3.485	2.464	2.723	130.334
132.971	18.383	16.509	12.591	7.990	3.528	2.457	2.711	134.046
138.042	18.394	16.539	12.511	8.107	3.587	2.450	2.695	139.137
143.280	18.402	16.568	12.447	8.198	3.647	2.445	2.679	144.395
147.321	18.405	16.587	12.407	8.250	3.693	2.442	2.667	148.451
152.865	18.408	16.611	12.364	8.298	3.755	2.440	2.652	154.017
158.594	18.410	16.629	12.331	8.323	3.818	2.440	2.637	159.767
163.015	18.411	16.639	12.313	8.329	3.864	2.441	2.626	164.205
169.083	18.414	16.647	12.294	8.324	3.925	2.444	2.612	170.296
175.355	18.417	16.650	12.281	8.311	3.984	2.449	2.598	176.592
180.199	18.420	16.649	12.273	8.296	4.028	2.453	2.588	181.454
186.848	18.424	16.646	12.265	8.273	4.084	2.461	2.575	188.129
193.724	18.429	16.642	12.257	8.248	4.138	2.469	2.563	195.031
200.835	18.435	16.637	12.250	8.220	4.190	2.480	2.551	202.169

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.913	72.935	70.891	65.556	58.804	52.660	48.499	47.052	1.484
1.078	69.689	67.762	62.706	56.314	50.487	46.559	45.191	1.649
1.314	65.108	63.320	58.656	52.810	47.534	44.013	42.790	1.886
1.700	58.093	56.520	52.450	47.394	42.882	39.903	38.871	2.273
2.185	50.562	49.220	45.749	41.515	37.835	35.469	34.665	2.760
2.776	43.440	42.266	39.268	35.766	32.861	31.088	30.507	3.354
3.481	37.131	36.118	33.518	30.566	28.208	26.849	26.429	4.062
4.305	31.820	30.901	28.570	26.039	24.135	23.122	22.839	4.888
5.248	27.567	26.704	24.538	22.267	20.653	19.884	19.700	5.835
6.306	24.249	23.414	21.344	19.241	17.802	17.162	17.026	6.897
7.472	21.692	20.869	18.848	16.846	15.516	14.950	14.836	8.068
8.737	19.730	18.904	16.900	14.960	13.695	13.166	13.061	9.337
10.089	18.224	17.383	15.371	13.467	12.243	11.732	11.626	10.695
11.518	17.071	16.206	14.164	12.272	11.075	10.577	10.468	12.129
13.013	16.194	15.294	13.203	11.307	10.127	9.638	9.528	13.630
14.564	15.538	14.594	12.434	10.519	9.346	8.866	8.757	15.187
16.161	15.059	14.062	11.818	9.869	8.698	8.226	8.118	16.790
17.795	14.726	13.667	11.323	9.329	8.154	7.689	7.583	18.430
19.458	14.512	13.384	10.928	8.877	7.692	7.234	7.131	20.100
21.142	14.402	13.196	10.613	8.496	7.299	6.847	6.747	21.790
22.840	14.384	13.088	10.365	8.174	6.960	6.513	6.417	23.494
24.544	14.450	13.053	10.173	7.900	6.666	6.225	6.133	25.205
26.247	14.598	13.086	10.030	7.666	6.410	5.974	5.886	26.914
27.521	14.760	13.151	9.952	7.514	6.238	5.807	5.721	28.193
29.210	15.041	13.292	9.882	7.337	6.034	5.607	5.526	29.889
30.885	15.393	13.489	9.849	7.186	5.853	5.430	5.353	31.570
32.541	15.812	13.740	9.848	7.058	5.693	5.273	5.201	33.232
34.175	16.293	14.041	9.878	6.951	5.550	5.134	5.066	34.873
35.785	16.831	14.380	9.935	6.861	5.422	5.008	4.945	36.489
37.369	17.420	14.776	10.016	6.787	5.307	4.896	4.837	38.079
38.926	18.052	15.203	10.121	6.726	5.203	4.794	4.740	39.641
40.454	18.723	15.663	10.246	6.678	5.110	4.703	4.653	41.176
41.954	19.423	16.153	10.390	6.641	5.026	4.619	4.574	42.681
43.425	20.147	16.668	10.550	6.614	4.949	4.543	4.503	44.158
44.868	20.886	17.203	10.725	6.595	4.879	4.474	4.438	45.607
46.284	21.634	17.755	10.914	6.584	4.815	4.410	4.380	47.028
47.673	22.384	18.320	11.116	6.580	4.757	4.352	4.326	48.423
49.038	23.127	18.893	11.328	6.583	4.703	4.298	4.277	49.793
50.380	23.858	19.472	11.550	6.590	4.653	4.248	4.233	51.139
51.701	24.571	20.052	11.782	6.603	4.607	4.201	4.192	52.466
53.005	25.259	20.632	12.022	6.621	4.564	4.158	4.154	53.775
54.295	25.915	21.208	12.270	6.643	4.524	4.117	4.119	55.069
55.574	26.534	21.777	12.526	6.669	4.487	4.079	4.087	56.353
56.847	27.106	22.338	12.789	6.699	4.452	4.043	4.057	57.631
58.119	27.625	22.888	13.060	6.734	4.419	4.008	4.029	58.908

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
59.074	27.973	23.291	13.268	6.762	4.395	3.983	4.010	59.867
60.355	28.375	23.813	13.552	6.803	4.365	3.951	3.985	61.152
61.647	28.697	24.313	13.844	6.848	4.336	3.920	3.962	62.450
62.958	28.930	24.785	14.145	6.898	4.308	3.890	3.940	63.765
64.291	29.068	25.221	14.453	6.952	4.282	3.860	3.919	65.103
65.653	29.108	25.612	14.770	7.011	4.256	3.831	3.900	66.471
67.049	29.054	25.947	15.096	7.074	4.232	3.803	3.881	67.873
68.487	28.914	26.213	15.430	7.144	4.208	3.774	3.864	69.316
69.971	28.702	26.400	15.772	7.219	4.186	3.746	3.847	70.805
71.488	28.438	26.499	16.119	7.299	4.164	3.718	3.831	72.328
73.043	28.141	26.506	16.469	7.384	4.144	3.689	3.816	73.889
74.642	27.828	26.423	16.821	7.475	4.126	3.661	3.802	75.495
76.293	27.512	26.261	17.174	7.572	4.108	3.633	3.788	77.152
78.004	27.205	26.030	17.527	7.674	4.093	3.604	3.775	78.869
79.784	26.915	25.747	17.875	7.784	4.078	3.575	3.762	80.656
81.642	26.650	25.426	18.215	7.901	4.066	3.545	3.750	82.521
83.589	26.414	25.084	18.540	8.025	4.056	3.515	3.738	84.476
85.638	26.213	24.735	18.838	8.158	4.048	3.485	3.725	86.532
87.802	26.050	24.392	19.095	8.299	4.042	3.453	3.713	88.704
90.090	25.925	24.067	19.295	8.450	4.039	3.421	3.700	91.001
92.458	25.841	23.781	19.421	8.608	4.040	3.390	3.687	93.378
94.905	25.790	23.540	19.465	8.771	4.044	3.358	3.673	95.834
96.800	25.768	23.389	19.443	8.898	4.049	3.334	3.662	97.737
99.418	25.758	23.230	19.351	9.074	4.059	3.303	3.647	100.365
102.157	25.766	23.117	19.196	9.258	4.073	3.273	3.631	103.115
105.034	25.785	23.047	18.996	9.453	4.091	3.244	3.615	106.003
108.071	25.812	23.015	18.769	9.659	4.115	3.216	3.599	109.051
111.290	25.844	23.014	18.530	9.878	4.144	3.189	3.581	112.283
114.719	25.879	23.038	18.290	10.109	4.180	3.162	3.562	115.725
118.388	25.914	23.079	18.059	10.352	4.222	3.136	3.541	119.408
122.330	25.948	23.130	17.844	10.600	4.271	3.112	3.519	123.365
126.582	25.979	23.186	17.653	10.844	4.329	3.089	3.496	127.633
131.183	26.005	23.244	17.488	11.072	4.395	3.068	3.471	132.251
136.027	26.023	23.301	17.357	11.266	4.467	3.050	3.446	137.114
141.024	26.033	23.357	17.259	11.414	4.544	3.034	3.418	142.129
146.178	26.033	23.407	17.189	11.514	4.624	3.021	3.390	147.303
151.497	26.029	23.449	17.141	11.570	4.708	3.010	3.364	152.642
156.987	26.025	23.480	17.111	11.590	4.795	3.002	3.339	158.153
162.655	26.022	23.497	17.093	11.583	4.886	2.997	3.314	163.843
168.508	26.022	23.502	17.082	11.557	4.979	2.994	3.289	169.719
174.554	26.025	23.498	17.074	11.519	5.074	2.992	3.265	175.788
180.799	26.029	23.488	17.069	11.474	5.170	2.993	3.242	182.057
187.251	26.036	23.475	17.065	11.422	5.265	2.996	3.219	188.533
193.917	26.043	23.461	17.062	11.366	5.359	3.001	3.198	195.225
200.804	26.052	23.448	17.061	11.305	5.452	3.008	3.177	202.138

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	1.637	1.599	1.499	1.371	1.251	1.169	1.141	1.466
.945	1.582	1.545	1.446	1.320	1.202	1.122	1.094	1.516
.998	1.624	1.586	1.485	1.356	1.236	1.154	1.125	1.570
1.115	1.652	1.614	1.512	1.383	1.263	1.181	1.153	1.687
1.247	1.650	1.612	1.512	1.385	1.268	1.188	1.160	1.819
1.395	1.640	1.602	1.504	1.378	1.264	1.186	1.159	1.968
1.561	1.626	1.589	1.492	1.369	1.257	1.182	1.155	2.135
1.746	1.608	1.571	1.477	1.356	1.248	1.176	1.150	2.321
1.951	1.586	1.550	1.457	1.341	1.237	1.168	1.144	2.528
2.178	1.557	1.523	1.433	1.321	1.222	1.156	1.134	2.756
2.428	1.527	1.493	1.406	1.300	1.206	1.144	1.123	3.007
2.701	1.500	1.467	1.382	1.280	1.192	1.134	1.114	3.282
2.999	1.476	1.444	1.359	1.260	1.177	1.124	1.106	3.582
3.323	1.455	1.422	1.338	1.240	1.161	1.112	1.096	3.907
3.673	1.435	1.403	1.319	1.222	1.145	1.100	1.086	4.259
4.050	1.419	1.387	1.304	1.207	1.130	1.088	1.076	4.638
4.455	1.406	1.374	1.290	1.195	1.119	1.078	1.067	5.045
4.888	1.396	1.364	1.279	1.186	1.111	1.072	1.061	5.481
5.351	1.388	1.356	1.271	1.178	1.106	1.068	1.058	5.947
5.844	1.384	1.351	1.265	1.172	1.102	1.066	1.057	6.442
6.368	1.381	1.348	1.261	1.168	1.099	1.065	1.057	6.969
6.924	1.381	1.347	1.258	1.165	1.097	1.065	1.057	7.528
7.512	1.382	1.347	1.258	1.164	1.097	1.065	1.059	8.119
8.132	1.384	1.349	1.258	1.164	1.097	1.067	1.060	8.743
8.787	1.387	1.352	1.260	1.166	1.099	1.069	1.063	9.401
9.477	1.392	1.356	1.263	1.168	1.102	1.072	1.066	10.095
10.202	1.396	1.360	1.266	1.170	1.105	1.076	1.071	10.824
10.963	1.402	1.365	1.269	1.173	1.108	1.080	1.075	11.589
11.762	1.407	1.370	1.273	1.177	1.112	1.085	1.080	12.393
12.599	1.413	1.375	1.277	1.181	1.116	1.089	1.084	13.234
13.476	1.418	1.380	1.281	1.184	1.120	1.094	1.089	14.116
14.393	1.423	1.385	1.286	1.188	1.124	1.098	1.093	15.038
15.351	1.429	1.390	1.290	1.191	1.127	1.102	1.098	16.001
16.352	1.434	1.394	1.294	1.195	1.131	1.106	1.102	17.007
17.396	1.438	1.399	1.297	1.198	1.134	1.110	1.106	18.057
18.485	1.443	1.403	1.301	1.201	1.137	1.113	1.109	19.153
19.620	1.447	1.407	1.304	1.204	1.140	1.116	1.112	20.294
20.803	1.451	1.411	1.308	1.207	1.143	1.119	1.115	21.483
22.034	1.455	1.414	1.311	1.210	1.146	1.122	1.118	22.721
23.315	1.458	1.417	1.313	1.212	1.148	1.124	1.120	24.009
24.648	1.461	1.420	1.316	1.215	1.150	1.126	1.122	25.349
26.033	1.464	1.423	1.319	1.217	1.152	1.128	1.124	26.742
27.473	1.467	1.426	1.321	1.219	1.154	1.130	1.126	28.190
28.968	1.469	1.428	1.323	1.221	1.156	1.131	1.127	29.694
30.522	1.472	1.430	1.325	1.223	1.157	1.133	1.128	31.255

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.134	1.474	1.432	1.327	1.224	1.158	1.134	1.130	32.877
33.808	1.476	1.434	1.329	1.226	1.160	1.135	1.130	34.559
35.544	1.477	1.436	1.330	1.227	1.161	1.136	1.131	36.305
37.345	1.479	1.437	1.332	1.228	1.162	1.137	1.132	38.116
39.212	1.481	1.439	1.333	1.230	1.163	1.137	1.133	39.994
41.148	1.482	1.440	1.334	1.231	1.164	1.138	1.133	41.940
43.155	1.483	1.442	1.336	1.232	1.164	1.139	1.134	43.958
45.234	1.485	1.443	1.337	1.233	1.165	1.139	1.134	46.049
47.388	1.486	1.444	1.338	1.233	1.166	1.140	1.135	48.215
49.620	1.487	1.445	1.339	1.234	1.166	1.140	1.135	50.459
51.931	1.488	1.446	1.340	1.235	1.167	1.140	1.136	52.783
54.325	1.489	1.447	1.340	1.236	1.167	1.141	1.136	55.190
56.803	1.490	1.448	1.341	1.236	1.168	1.141	1.136	57.681
59.368	1.490	1.448	1.342	1.237	1.168	1.141	1.136	60.261
62.023	1.491	1.449	1.343	1.238	1.169	1.142	1.137	62.931
64.771	1.492	1.450	1.343	1.238	1.169	1.142	1.137	65.694
67.615	1.492	1.450	1.344	1.239	1.169	1.142	1.137	68.554
70.558	1.493	1.451	1.345	1.239	1.170	1.142	1.137	71.513
73.603	1.494	1.452	1.345	1.239	1.170	1.143	1.137	74.575
76.754	1.494	1.452	1.346	1.240	1.170	1.143	1.137	77.742
80.013	1.495	1.453	1.346	1.240	1.171	1.143	1.137	81.020
83.386	1.495	1.453	1.346	1.241	1.171	1.143	1.137	84.410
86.874	1.495	1.453	1.347	1.241	1.171	1.143	1.138	87.918
90.483	1.496	1.454	1.347	1.241	1.171	1.143	1.138	91.547
94.216	1.496	1.454	1.348	1.242	1.172	1.143	1.138	95.300
98.078	1.496	1.454	1.348	1.242	1.172	1.144	1.138	99.184
102.073	1.497	1.455	1.348	1.242	1.172	1.144	1.138	103.201
106.206	1.497	1.455	1.349	1.242	1.172	1.144	1.138	107.357
110.482	1.497	1.455	1.349	1.243	1.172	1.144	1.138	111.656
114.906	1.497	1.456	1.349	1.243	1.173	1.144	1.138	116.105
119.486	1.498	1.456	1.349	1.243	1.173	1.144	1.138	120.708
124.220	1.498	1.456	1.350	1.243	1.173	1.144	1.138	125.470
129.122	1.498	1.456	1.350	1.243	1.173	1.144	1.138	130.398
134.194	1.498	1.456	1.350	1.244	1.173	1.144	1.138	135.498
139.443	1.498	1.456	1.350	1.244	1.173	1.144	1.138	140.777
144.876	1.498	1.456	1.351	1.244	1.173	1.145	1.138	146.240
150.500	1.498	1.457	1.351	1.244	1.174	1.145	1.138	151.894
156.321	1.498	1.457	1.351	1.244	1.174	1.145	1.138	157.748
162.347	1.498	1.457	1.351	1.244	1.174	1.145	1.138	163.807
168.587	1.498	1.457	1.351	1.244	1.174	1.145	1.138	170.081
175.046	1.498	1.457	1.351	1.245	1.174	1.145	1.138	176.576
181.735	1.498	1.457	1.351	1.245	1.174	1.145	1.138	183.302
188.661	1.498	1.457	1.352	1.245	1.174	1.145	1.138	190.266
195.833	1.498	1.457	1.352	1.245	1.174	1.145	1.138	197.477
203.260	1.498	1.457	1.352	1.245	1.174	1.145	1.138	204.945

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	2.747	2.678	2.496	2.265	2.051	1.905	1.854	1.466
1.005	2.696	2.628	2.446	2.215	2.003	1.859	1.809	1.576
1.066	2.701	2.633	2.454	2.226	2.016	1.874	1.824	1.638
1.205	2.657	2.591	2.418	2.198	1.996	1.860	1.812	1.777
1.365	2.595	2.531	2.362	2.148	1.954	1.824	1.778	1.938
1.549	2.523	2.460	2.297	2.092	1.906	1.782	1.739	2.123
1.759	2.441	2.380	2.224	2.028	1.853	1.736	1.695	2.335
1.998	2.352	2.294	2.144	1.958	1.793	1.685	1.647	2.575
2.265	2.256	2.201	2.058	1.883	1.730	1.631	1.597	2.843
2.563	2.161	2.108	1.971	1.807	1.666	1.577	1.547	3.142
2.894	2.076	2.024	1.890	1.733	1.602	1.521	1.495	3.475
3.257	1.998	1.948	1.817	1.664	1.540	1.466	1.442	3.841
3.653	1.928	1.879	1.750	1.602	1.483	1.413	1.391	4.239
4.312	1.842	1.792	1.664	1.521	1.408	1.343	1.324	4.902
4.796	1.796	1.746	1.617	1.475	1.365	1.304	1.287	5.388
5.316	1.759	1.708	1.578	1.436	1.328	1.270	1.254	5.911
5.873	1.730	1.679	1.546	1.403	1.296	1.240	1.225	6.471
6.467	1.709	1.657	1.521	1.377	1.269	1.214	1.200	7.069
7.101	1.695	1.641	1.502	1.356	1.248	1.194	1.180	7.706
7.774	1.686	1.631	1.488	1.339	1.231	1.177	1.163	8.383
8.489	1.683	1.625	1.479	1.327	1.218	1.164	1.151	9.101
9.242	1.684	1.624	1.474	1.319	1.209	1.155	1.142	9.859
10.033	1.689	1.627	1.472	1.314	1.202	1.148	1.135	10.654
10.861	1.696	1.633	1.473	1.311	1.198	1.144	1.132	11.487
11.727	1.707	1.641	1.477	1.311	1.196	1.142	1.130	12.357
12.630	1.719	1.651	1.482	1.313	1.196	1.142	1.130	13.265
14.054	1.739	1.669	1.493	1.318	1.198	1.144	1.132	14.697
15.051	1.754	1.682	1.502	1.322	1.201	1.147	1.135	15.699
16.085	1.769	1.695	1.511	1.328	1.204	1.151	1.139	16.739
17.157	1.784	1.708	1.521	1.334	1.208	1.155	1.144	17.817
18.267	1.798	1.721	1.531	1.340	1.213	1.160	1.149	18.934
19.416	1.812	1.734	1.540	1.346	1.218	1.165	1.154	20.088
20.603	1.826	1.746	1.550	1.353	1.223	1.170	1.160	21.282
21.829	1.838	1.758	1.559	1.360	1.228	1.175	1.165	22.515
23.094	1.850	1.769	1.568	1.366	1.233	1.180	1.171	23.787
24.399	1.861	1.779	1.577	1.372	1.237	1.185	1.176	25.099
25.744	1.871	1.789	1.585	1.378	1.242	1.190	1.181	26.452
27.130	1.880	1.798	1.592	1.384	1.247	1.195	1.186	27.845
28.556	1.889	1.806	1.599	1.389	1.251	1.199	1.191	29.279
30.774	1.900	1.817	1.609	1.397	1.257	1.205	1.197	31.509
32.305	1.907	1.823	1.615	1.401	1.261	1.209	1.201	33.049
33.879	1.913	1.829	1.620	1.406	1.264	1.212	1.205	34.631
35.496	1.919	1.835	1.625	1.410	1.267	1.215	1.208	36.257
37.157	1.924	1.840	1.630	1.414	1.270	1.218	1.211	37.928
38.863	1.929	1.844	1.634	1.417	1.273	1.221	1.214	39.643

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
40.614	1.933	1.849	1.638	1.421	1.276	1.223	1.216	41.404
42.411	1.937	1.852	1.642	1.424	1.279	1.225	1.219	43.211
44.255	1.941	1.856	1.646	1.427	1.281	1.227	1.221	45.065
46.147	1.944	1.859	1.649	1.430	1.283	1.229	1.222	46.967
48.087	1.947	1.862	1.652	1.432	1.285	1.231	1.224	48.917
50.076	1.950	1.865	1.654	1.435	1.287	1.232	1.225	50.917
53.154	1.954	1.869	1.658	1.438	1.290	1.234	1.227	54.012
55.270	1.956	1.871	1.660	1.440	1.292	1.235	1.228	56.141
57.440	1.958	1.873	1.663	1.442	1.294	1.237	1.229	58.322
59.664	1.960	1.875	1.665	1.444	1.295	1.238	1.230	60.558
61.943	1.962	1.877	1.666	1.445	1.296	1.239	1.231	62.850
64.280	1.963	1.879	1.668	1.447	1.298	1.239	1.232	65.200
66.676	1.965	1.880	1.670	1.448	1.299	1.240	1.232	67.609
69.132	1.966	1.882	1.671	1.450	1.300	1.241	1.233	70.079
71.652	1.967	1.883	1.673	1.451	1.301	1.242	1.233	72.613
74.238	1.969	1.884	1.674	1.452	1.302	1.243	1.234	75.212
76.891	1.969	1.886	1.675	1.453	1.303	1.243	1.234	77.880
79.615	1.970	1.887	1.676	1.454	1.304	1.244	1.235	80.620
82.413	1.971	1.888	1.678	1.455	1.305	1.244	1.235	83.433
86.754	1.972	1.889	1.679	1.457	1.306	1.245	1.236	87.798
89.749	1.972	1.889	1.680	1.458	1.307	1.246	1.236	90.809
92.828	1.973	1.890	1.681	1.458	1.308	1.246	1.236	93.905
95.995	1.973	1.891	1.682	1.459	1.308	1.247	1.237	97.089
99.253	1.973	1.891	1.683	1.460	1.309	1.247	1.237	100.365
102.605	1.973	1.892	1.683	1.460	1.310	1.248	1.237	103.736
106.055	1.974	1.892	1.684	1.461	1.310	1.248	1.238	107.205
109.606	1.974	1.892	1.685	1.462	1.311	1.248	1.238	110.775
113.262	1.974	1.893	1.685	1.462	1.311	1.249	1.238	114.451
117.026	1.974	1.893	1.686	1.463	1.312	1.249	1.238	118.236
120.902	1.974	1.893	1.687	1.463	1.312	1.250	1.239	122.134
124.093	1.974	1.894	1.687	1.464	1.312	1.250	1.239	126.147
129.003	1.974	1.894	1.688	1.464	1.313	1.250	1.239	130.280
135.400	1.975	1.894	1.689	1.464	1.313	1.251	1.239	136.712
139.824	1.975	1.894	1.689	1.465	1.314	1.251	1.239	141.160
144.381	1.975	1.895	1.690	1.465	1.314	1.251	1.240	145.742
149.075	1.975	1.895	1.690	1.465	1.314	1.251	1.240	150.461
153.909	1.975	1.895	1.691	1.466	1.315	1.252	1.240	155.322
158.888	1.975	1.895	1.691	1.466	1.315	1.252	1.240	160.329
164.016	1.975	1.895	1.691	1.466	1.315	1.252	1.240	165.486
169.299	1.975	1.895	1.692	1.467	1.315	1.252	1.240	170.797
174.741	1.975	1.895	1.692	1.467	1.316	1.252	1.240	176.269
180.346	1.975	1.896	1.693	1.467	1.316	1.253	1.241	181.905
186.120	1.975	1.896	1.693	1.467	1.316	1.253	1.241	187.711
192.068	1.975	1.896	1.693	1.468	1.316	1.253	1.241	193.691
201.327	1.975	1.896	1.693	1.468	1.316	1.253	1.241	203.001

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	9.220	8.970	8.319	7.491	6.736	6.222	6.043	1.466
.997	8.946	8.702	8.061	7.250	6.510	6.010	5.836	1.568
1.134	8.715	8.482	7.874	7.106	6.405	5.932	5.767	1.705
1.379	8.188	7.970	7.402	6.688	6.043	5.613	5.463	1.952
1.567	7.797	7.590	7.053	6.383	5.780	5.379	5.240	2.141
1.891	7.175	6.985	6.496	5.891	5.356	5.005	4.883	2.468
2.268	6.538	6.367	5.925	5.388	4.924	4.626	4.525	2.846
2.550	6.140	5.976	5.556	5.059	4.638	4.373	4.285	3.129
3.022	5.585	5.434	5.046	4.593	4.220	3.995	3.922	3.604
3.555	5.089	4.947	4.584	4.170	3.837	3.641	3.580	4.140
3.945	4.798	4.660	4.307	3.913	3.603	3.426	3.371	4.533
4.583	4.422	4.287	3.944	3.570	3.285	3.131	3.086	5.173
5.281	4.115	3.981	3.642	3.279	3.010	2.869	2.831	5.876
5.781	3.945	3.810	3.471	3.113	2.850	2.715	2.679	6.379
6.579	3.734	3.597	3.255	2.899	2.643	2.514	2.480	7.181
7.434	3.570	3.429	3.081	2.724	2.470	2.344	2.311	8.040
8.033	3.483	3.339	2.985	2.625	2.371	2.247	2.214	8.643
8.974	3.381	3.231	2.866	2.500	2.245	2.120	2.088	9.589
9.964	3.308	3.151	2.772	2.398	2.140	2.015	1.983	10.584
10.649	3.274	3.111	2.722	2.341	2.080	1.954	1.922	11.273
11.712	3.241	3.069	2.663	2.269	2.003	1.876	1.843	12.342
12.817	3.228	3.046	2.619	2.211	1.939	1.811	1.778	13.453
13.576	3.230	3.040	2.599	2.179	1.902	1.773	1.740	14.216
14.745	3.245	3.043	2.578	2.140	1.855	1.724	1.691	15.392
15.952	3.274	3.060	2.568	2.111	1.816	1.683	1.650	16.606
16.778	3.301	3.077	2.567	2.095	1.794	1.659	1.626	17.436
18.046	3.350	3.112	2.574	2.078	1.766	1.629	1.595	18.711
19.352	3.409	3.156	2.588	2.067	1.743	1.603	1.569	20.024
20.243	3.453	3.190	2.601	2.063	1.731	1.589	1.555	20.920
21.611	3.524	3.248	2.627	2.061	1.715	1.571	1.536	22.296
23.018	3.602	3.311	2.658	2.064	1.704	1.556	1.521	23.711
23.979	3.656	3.355	2.681	2.068	1.698	1.547	1.513	24.676
25.453	3.740	3.425	2.720	2.077	1.691	1.538	1.503	26.159
26.970	3.825	3.498	2.763	2.089	1.687	1.530	1.496	27.684
28.004	3.882	3.547	2.793	2.098	1.686	1.526	1.492	28.724
29.592	3.966	3.621	2.840	2.115	1.686	1.522	1.489	30.321
31.223	4.047	3.694	2.888	2.134	1.687	1.520	1.487	31.961
32.334	4.099	3.741	2.921	2.147	1.689	1.520	1.487	33.078
34.037	4.174	3.810	2.971	2.169	1.693	1.520	1.488	34.790
35.782	4.244	3.875	3.020	2.192	1.697	1.521	1.490	36.545
36.969	4.288	3.916	3.052	2.208	1.701	1.523	1.493	37.738
38.784	4.349	3.975	3.099	2.232	1.708	1.526	1.497	39.564
40.642	4.405	4.029	3.144	2.257	1.715	1.529	1.502	41.431
41.903	4.440	4.063	3.173	2.274	1.721	1.532	1.506	42.700
43.832	4.488	4.110	3.214	2.299	1.729	1.536	1.512	44.639

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
45.808	4.532	4.154	3.253	2.325	1.738	1.541	1.519	46.626
47.836	4.571	4.194	3.289	2.350	1.748	1.546	1.526	48.665
49.221	4.594	4.219	3.312	2.366	1.755	1.549	1.530	50.058
51.356	4.626	4.254	3.345	2.391	1.765	1.554	1.538	52.205
53.570	4.652	4.285	3.375	2.414	1.776	1.560	1.545	54.430
55.096	4.667	4.304	3.395	2.430	1.784	1.563	1.550	55.965
57.463	4.684	4.330	3.422	2.452	1.796	1.569	1.558	58.345
59.887	4.695	4.352	3.448	2.474	1.808	1.575	1.565	60.783
61.535	4.698	4.363	3.464	2.488	1.816	1.579	1.570	62.439
64.057	4.697	4.377	3.486	2.507	1.828	1.584	1.576	64.976
66.647	4.692	4.384	3.506	2.525	1.841	1.590	1.583	67.580
68.413	4.687	4.385	3.519	2.537	1.849	1.593	1.587	69.356
71.125	4.680	4.384	3.536	2.553	1.861	1.599	1.592	72.083
73.918	4.674	4.379	3.551	2.567	1.873	1.604	1.598	74.891
75.826	4.671	4.374	3.561	2.577	1.880	1.608	1.601	76.809
78.762	4.667	4.368	3.573	2.589	1.892	1.614	1.606	79.761
81.790	4.664	4.363	3.584	2.601	1.903	1.619	1.610	82.807
83.863	4.662	4.360	3.590	2.608	1.910	1.623	1.613	84.891
87.056	4.659	4.357	3.598	2.618	1.920	1.628	1.616	88.101
90.354	4.655	4.355	3.603	2.627	1.930	1.633	1.619	91.417
92.613	4.653	4.353	3.604	2.632	1.936	1.637	1.622	93.688
96.095	4.650	4.352	3.605	2.640	1.945	1.642	1.624	97.190
99.694	4.647	4.350	3.605	2.647	1.953	1.647	1.627	100.809
102.161	4.645	4.349	3.604	2.652	1.958	1.650	1.629	103.289
105.965	4.643	4.347	3.603	2.659	1.965	1.655	1.631	107.114
109.897	4.640	4.344	3.602	2.666	1.972	1.660	1.633	111.068
112.592	4.639	4.343	3.601	2.670	1.976	1.663	1.634	113.778
116.748	4.638	4.341	3.600	2.678	1.982	1.668	1.636	117.956
121.043	4.637	4.338	3.598	2.685	1.988	1.672	1.638	122.275
123.986	4.637	4.337	3.597	2.690	1.991	1.675	1.639	125.235
128.524	4.636	4.335	3.596	2.698	1.996	1.679	1.640	129.798
133.214	4.637	4.333	3.594	2.704	2.000	1.683	1.642	134.514
136.428	4.637	4.332	3.593	2.708	2.002	1.685	1.642	137.745
141.383	4.637	4.331	3.591	2.714	2.006	1.689	1.644	142.727
146.504	4.638	4.330	3.588	2.719	2.009	1.693	1.645	147.876
150.013	4.639	4.330	3.587	2.721	2.010	1.695	1.646	151.405
155.423	4.639	4.329	3.585	2.725	2.013	1.698	1.647	156.844
161.014	4.640	4.329	3.583	2.727	2.015	1.701	1.648	162.466
164.845	4.640	4.329	3.581	2.729	2.016	1.703	1.649	166.319
170.751	4.641	4.329	3.579	2.731	2.019	1.706	1.650	172.258
176.856	4.642	4.329	3.577	2.732	2.021	1.708	1.651	178.395
181.038	4.643	4.329	3.575	2.733	2.022	1.710	1.652	182.601
187.486	4.644	4.329	3.573	2.734	2.025	1.712	1.653	189.085
194.150	4.645	4.329	3.571	2.734	2.028	1.714	1.654	195.785
201.037	4.646	4.329	3.569	2.734	2.030	1.716	1.656	202.710

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	19.999	19.450	18.018	16.199	14.543	13.417	13.025	1.466
1.057	19.170	18.649	17.283	15.551	13.971	12.904	12.532	1.628
1.204	18.415	17.917	16.615	14.978	13.495	12.499	12.152	1.776
1.459	17.137	16.676	15.476	13.974	12.621	11.720	11.407	2.033
1.871	15.265	14.856	13.802	12.500	11.348	10.593	10.332	2.447
2.237	13.838	13.471	12.522	11.367	10.366	9.724	9.507	2.815
2.658	12.492	12.153	11.287	10.266	9.408	8.877	8.701	3.238
3.135	11.274	10.963	10.168	9.249	8.495	8.043	7.897	3.718
3.862	9.860	9.575	8.850	8.040	7.401	7.035	6.922	4.449
4.475	8.982	8.707	8.012	7.255	6.679	6.366	6.276	5.066
5.146	8.251	7.981	7.305	6.582	6.047	5.770	5.695	5.740
6.125	7.478	7.209	6.542	5.846	5.345	5.095	5.030	6.724
6.918	7.026	6.754	6.085	5.399	4.913	4.675	4.613	7.522
7.759	6.663	6.385	5.710	5.026	4.548	4.317	4.259	8.367
8.642	6.374	6.089	5.402	4.716	4.242	4.014	3.956	9.256
9.880	6.085	5.786	5.076	4.380	3.906	3.680	3.622	10.500
10.648	5.927	5.616	4.883	4.175	3.699	3.473	3.415	11.473
11.846	5.812	5.486	4.726	4.003	3.522	3.296	3.238	12.477
13.217	5.714	5.365	4.564	3.815	3.326	3.099	3.040	13.856
14.273	5.677	5.309	4.471	3.699	3.202	2.974	2.915	14.917
15.349	5.667	5.277	4.400	3.602	3.095	2.865	2.806	15.999
16.443	5.681	5.268	4.348	3.520	3.002	2.771	2.712	17.099
17.925	5.732	5.285	4.303	3.432	2.897	2.663	2.604	18.589
19.052	5.792	5.318	4.285	3.379	2.830	2.593	2.534	19.723
20.190	5.870	5.367	4.279	3.336	2.771	2.531	2.472	20.867
21.723	5.997	5.453	4.289	3.290	2.704	2.460	2.401	22.408
22.881	6.110	5.532	4.307	3.265	2.661	2.414	2.355	23.573
24.046	6.236	5.624	4.334	3.246	2.623	2.373	2.314	24.744
25.216	6.374	5.726	4.369	3.233	2.591	2.337	2.278	25.921
26.783	6.575	5.877	4.427	3.223	2.553	2.295	2.236	27.496
27.961	6.735	6.001	4.478	3.221	2.530	2.267	2.209	28.681
29.142	6.902	6.132	4.535	3.223	2.509	2.243	2.185	29.869
30.325	7.073	6.268	4.598	3.228	2.491	2.221	2.164	31.058
31.904	7.306	6.456	4.690	3.241	2.471	2.196	2.139	32.645
33.088	7.480	6.601	4.763	3.254	2.459	2.179	2.124	33.836
34.273	7.654	6.746	4.840	3.269	2.449	2.165	2.110	35.028
35.854	7.879	6.940	4.947	3.294	2.437	2.148	2.094	36.617
37.040	8.043	7.083	5.030	3.315	2.431	2.137	2.084	37.809
38.226	8.201	7.223	5.115	3.338	2.426	2.127	2.075	39.002
39.414	8.353	7.360	5.200	3.363	2.422	2.119	2.068	40.196
41.001	8.543	7.537	5.315	3.399	2.418	2.109	2.060	41.792
42.196	8.676	7.664	5.402	3.428	2.417	2.102	2.055	42.994
43.397	8.801	7.786	5.488	3.458	2.416	2.097	2.051	44.202
45.014	8.954	7.940	5.602	3.500	2.417	2.091	2.047	45.827
46.240	9.057	8.049	5.686	3.534	2.419	2.087	2.046	47.061

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
47.484	9.149	8.153	5.770	3.569	2.421	2.084	2.044	48.311
48.747	9.230	8.250	5.852	3.605	2.424	2.081	2.044	49.582
50.472	9.317	8.369	5.960	3.655	2.429	2.078	2.044	51.316
51.800	9.366	8.449	6.039	3.694	2.435	2.076	2.045	52.651
53.164	9.400	8.520	6.117	3.734	2.440	2.074	2.046	54.023
55.046	9.419	8.599	6.217	3.790	2.450	2.073	2.049	55.915
56.511	9.415	8.645	6.291	3.833	2.458	2.072	2.051	57.388
58.028	9.397	8.676	6.362	3.877	2.467	2.072	2.055	58.913
59.602	9.368	8.693	6.431	3.922	2.477	2.072	2.058	60.496
61.800	9.320	8.692	6.518	3.983	2.492	2.073	2.064	62.706
63.522	9.282	8.675	6.580	4.030	2.505	2.073	2.068	64.438
65.314	9.245	8.648	6.638	4.076	2.519	2.074	2.073	66.240
67.823	9.200	8.601	6.708	4.138	2.540	2.076	2.080	68.763
69.805	9.168	8.562	6.754	4.184	2.557	2.078	2.086	70.755
71.881	9.140	8.524	6.793	4.229	2.575	2.080	2.091	72.843
74.061	9.115	8.488	6.823	4.274	2.595	2.083	2.097	75.034
77.144	9.086	8.445	6.848	4.332	2.623	2.087	2.106	78.135
79.602	9.067	8.417	6.853	4.374	2.647	2.091	2.112	80.606
82.197	9.051	8.393	6.848	4.415	2.671	2.095	2.118	83.216
84.906	9.037	8.373	6.834	4.454	2.696	2.100	2.124	85.940
88.648	9.022	8.353	6.808	4.505	2.731	2.107	2.131	89.702
91.555	9.014	8.340	6.787	4.540	2.757	2.113	2.136	92.625
94.550	9.008	8.330	6.766	4.575	2.783	2.119	2.140	95.636
98.682	9.004	8.319	6.739	4.618	2.818	2.128	2.146	99.791
101.887	9.004	8.313	6.721	4.649	2.843	2.136	2.150	103.014
105.187	9.005	8.308	6.703	4.678	2.868	2.144	2.153	106.332
108.583	9.007	8.305	6.688	4.704	2.892	2.152	2.156	109.746
113.264	9.011	8.304	6.666	4.733	2.922	2.164	2.160	114.453
116.893	9.013	8.305	6.657	4.750	2.944	2.173	2.162	118.103
120.627	9.015	8.306	6.646	4.764	2.964	2.183	2.165	121.857
125.774	9.018	8.309	6.633	4.776	2.989	2.196	2.167	127.032
129.763	9.020	8.310	6.624	4.782	3.007	2.206	2.169	131.043
133.866	9.022	8.312	6.616	4.784	3.023	2.216	2.171	135.169
138.087	9.024	8.313	6.609	4.785	3.038	2.226	2.172	139.414
143.904	9.027	8.315	6.601	4.784	3.057	2.239	2.174	145.263
148.413	9.030	8.315	6.595	4.782	3.071	2.249	2.175	149.796
153.051	9.032	8.316	6.590	4.779	3.084	2.259	2.177	154.460
159.444	9.036	8.317	6.584	4.774	3.101	2.272	2.179	160.887
164.399	9.038	8.317	6.581	4.770	3.114	2.282	2.180	165.870
169.497	9.040	8.318	6.577	4.766	3.126	2.291	2.182	170.996
174.743	9.042	8.318	6.574	4.761	3.138	2.300	2.183	176.271
181.973	9.045	8.319	6.571	4.755	3.153	2.312	2.185	183.541
187.580	9.046	8.320	6.568	4.750	3.164	2.320	2.187	189.179
193.348	9.048	8.320	6.565	4.744	3.175	2.328	2.189	194.979
201.301	9.050	8.321	6.562	4.737	3.187	2.338	2.192	202.976

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	35.089	34.120	31.595	28.389	25.472	23.491	22.801	1.466
1.055	33.592	32.675	30.269	27.222	24.443	22.566	21.912	1.627
1.281	31.502	30.646	28.411	25.607	23.074	21.380	20.791	1.854
1.648	28.290	27.527	25.554	23.098	20.903	19.450	18.946	2.223
2.099	24.921	24.248	22.526	20.418	18.574	17.381	16.972	2.676
2.497	22.436	21.831	20.280	18.431	16.861	15.876	15.548	3.076
3.114	19.497	18.958	17.581	15.986	14.677	13.892	13.639	3.697
3.832	16.968	16.478	15.231	13.837	12.736	12.105	11.910	4.418
4.651	14.922	14.456	13.284	12.014	11.059	10.550	10.406	5.242
5.329	13.681	13.224	12.084	10.874	9.986	9.532	9.411	5.924
6.313	12.364	11.909	10.788	9.625	8.796	8.386	8.280	6.913
7.381	11.363	10.902	9.779	8.639	7.842	7.457	7.360	7.987
8.522	10.608	10.135	8.996	7.861	7.079	6.707	6.613	9.134
9.420	10.172	9.685	8.524	7.385	6.610	6.241	6.148	10.037
10.665	9.729	9.219	8.019	6.865	6.091	5.725	5.631	11.290
11.957	9.416	8.877	7.627	6.447	5.669	5.305	5.211	12.589
13.288	9.208	8.634	7.323	6.109	5.322	4.959	4.865	13.927
14.306	9.110	8.506	7.143	5.898	5.102	4.738	4.644	14.950
15.685	9.045	8.397	6.956	5.663	4.852	4.486	4.393	16.338
17.084	9.043	8.347	6.819	5.472	4.641	4.274	4.180	17.744
18.495	9.096	8.347	6.724	5.316	4.463	4.094	4.000	19.163
19.915	9.197	8.389	6.663	5.188	4.312	3.939	3.846	20.590
20.981	9.303	8.447	6.638	5.109	4.214	3.838	3.745	21.662
22.402	9.482	8.556	6.627	5.022	4.099	3.719	3.627	23.091
23.819	9.702	8.699	6.639	4.952	4.000	3.617	3.525	24.516
25.227	9.959	8.873	6.673	4.898	3.915	3.527	3.436	25.932
26.276	10.175	9.023	6.711	4.867	3.858	3.467	3.377	26.987
27.664	10.489	9.247	6.777	4.835	3.792	3.397	3.307	28.382
29.037	10.830	9.495	6.859	4.813	3.734	3.334	3.246	29.763
30.394	11.193	9.764	6.956	4.801	3.684	3.279	3.192	31.127
31.401	11.476	9.977	7.038	4.797	3.651	3.242	3.156	32.140
32.729	11.864	10.274	7.157	4.798	3.612	3.197	3.112	33.475
34.040	12.258	10.582	7.288	4.806	3.577	3.157	3.074	34.793
35.334	12.655	10.898	7.427	4.820	3.547	3.122	3.040	36.095
36.295	12.950	11.138	7.538	4.834	3.528	3.098	3.017	37.061
37.563	13.339	11.460	7.691	4.857	3.504	3.068	2.989	38.336
38.819	13.717	11.780	7.851	4.884	3.484	3.042	2.964	39.598
40.063	14.081	12.098	8.016	4.915	3.467	3.018	2.942	40.849
41.299	14.427	12.409	8.185	4.950	3.452	2.996	2.923	42.092
42.222	14.674	12.638	8.315	4.978	3.442	2.982	2.910	43.021
43.452	14.983	12.936	8.490	5.019	3.430	2.963	2.894	44.257
44.682	15.267	13.222	8.668	5.063	3.421	2.947	2.879	45.494
45.918	15.520	13.497	8.849	5.111	3.413	2.932	2.867	46.737
46.852	15.690	13.693	8.986	5.148	3.407	2.921	2.858	47.676
48.111	15.883	13.941	9.170	5.202	3.402	2.908	2.848	48.941

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
49.389	16.037	14.170	9.355	5.258	3.398	2.896	2.839	50.226
50.692	16.146	14.377	9.541	5.318	3.395	2.884	2.832	51.537
51.690	16.201	14.515	9.681	5.365	3.394	2.876	2.827	52.541
53.053	16.233	14.674	9.867	5.432	3.393	2.866	2.821	53.911
54.459	16.222	14.798	10.054	5.503	3.394	2.857	2.817	55.324
55.914	16.172	14.884	10.239	5.578	3.396	2.848	2.813	56.787
57.042	16.115	14.922	10.376	5.637	3.399	2.842	2.811	57.921
58.591	16.018	14.935	10.555	5.719	3.403	2.834	2.810	59.479
60.194	15.908	14.908	10.729	5.804	3.410	2.827	2.809	61.091
61.860	15.792	14.846	10.895	5.894	3.418	2.820	2.809	62.766
63.598	15.675	14.756	11.050	5.987	3.428	2.813	2.811	64.514
64.954	15.591	14.675	11.158	6.059	3.436	2.808	2.812	65.877
66.842	15.486	14.556	11.288	6.159	3.450	2.801	2.815	67.776
68.831	15.392	14.431	11.397	6.262	3.467	2.795	2.818	69.776
70.935	15.311	14.307	11.479	6.368	3.486	2.790	2.823	71.892
72.597	15.259	14.219	11.520	6.451	3.503	2.785	2.826	73.563
74.934	15.202	14.111	11.544	6.563	3.528	2.780	2.831	75.912
77.389	15.158	14.020	11.533	6.676	3.557	2.775	2.837	78.381
79.969	15.127	13.947	11.492	6.790	3.590	2.771	2.842	80.975
81.997	15.109	13.903	11.445	6.876	3.617	2.769	2.846	83.014
84.839	15.093	13.858	11.367	6.991	3.657	2.766	2.852	85.872
87.862	15.086	13.827	11.280	7.106	3.701	2.765	2.857	88.912
91.089	15.085	13.808	11.190	7.219	3.751	2.765	2.863	92.157
93.660	15.089	13.801	11.124	7.302	3.791	2.766	2.866	94.742
97.314	15.098	13.799	11.042	7.406	3.849	2.768	2.871	98.415
101.234	15.108	13.804	10.969	7.500	3.912	2.773	2.875	102.357
105.316	15.120	13.816	10.910	7.576	3.976	2.779	2.878	106.461
109.541	15.132	13.830	10.863	7.634	4.042	2.788	2.879	110.710
112.808	15.139	13.841	10.835	7.663	4.092	2.795	2.879	113.995
117.296	15.147	13.856	10.805	7.685	4.157	2.807	2.880	118.508
121.942	15.154	13.869	10.782	7.692	4.221	2.821	2.880	123.179
126.750	15.159	13.880	10.764	7.687	4.283	2.836	2.880	128.014
130.467	15.163	13.886	10.755	7.679	4.329	2.848	2.879	131.751
135.575	15.168	13.892	10.746	7.662	4.387	2.866	2.878	136.888
140.864	15.172	13.896	10.740	7.642	4.442	2.886	2.877	142.205
146.341	15.177	13.898	10.736	7.620	4.495	2.907	2.876	147.712
150.576	15.179	13.898	10.734	7.603	4.532	2.923	2.875	151.971
156.398	15.183	13.897	10.732	7.580	4.580	2.945	2.874	157.825
162.429	15.186	13.896	10.731	7.557	4.623	2.969	2.874	163.889
168.676	15.190	13.895	10.729	7.534	4.663	2.993	2.873	170.171
173.508	15.192	13.893	10.728	7.517	4.690	3.011	2.873	175.030
180.154	15.195	13.892	10.726	7.495	4.722	3.036	2.873	181.712
187.038	15.199	13.890	10.724	7.474	4.750	3.060	2.874	188.634
194.171	15.202	13.890	10.722	7.454	4.774	3.084	2.875	195.806
201.562	15.205	13.890	10.720	7.435	4.795	3.107	2.877	203.237

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.895	54.493	52.990	49.044	44.073	39.517	36.459	35.383	1.466
1.125	51.102	49.710	46.072	41.483	37.307	34.495	33.513	1.697
1.363	47.652	46.356	42.983	38.750	34.938	32.392	31.507	1.936
1.749	42.502	41.356	38.397	34.723	31.460	29.305	28.559	2.324
2.220	37.211	36.218	33.652	30.526	27.820	26.081	25.492	2.798
2.785	32.305	31.418	29.155	26.504	24.298	22.943	22.499	3.366
3.448	28.003	27.217	25.209	22.917	21.067	19.974	19.628	4.033
4.212	24.416	23.685	21.836	19.803	18.240	17.374	17.117	4.801
5.074	21.558	20.855	19.098	17.221	15.835	15.119	14.926	5.667
6.280	18.865	18.172	16.465	14.697	13.437	12.817	12.658	6.880
7.337	17.273	16.574	14.872	13.144	11.939	11.360	11.215	7.943
8.465	16.066	15.350	13.629	11.917	10.740	10.182	10.042	9.077
9.654	15.158	14.416	12.657	10.940	9.779	9.230	9.091	10.273
10.894	14.486	13.710	11.894	10.158	9.001	8.457	8.318	11.519
12.175	14.003	13.184	11.296	9.526	8.365	7.825	7.686	12.807
13.488	13.673	12.803	10.828	9.011	7.840	7.302	7.163	14.128
14.827	13.458	12.540	10.464	8.590	7.403	6.866	6.727	15.475
16.526	13.355	12.346	10.126	8.167	6.954	6.415	6.277	17.182
17.896	13.360	12.278	9.932	7.894	6.656	6.115	5.977	18.561
19.271	13.438	12.276	9.791	7.668	6.402	5.858	5.721	19.943
20.644	13.584	12.332	9.696	7.481	6.184	5.637	5.501	21.324
22.011	13.793	12.441	9.640	7.326	5.996	5.446	5.311	22.698
23.368	14.062	12.599	9.619	7.199	5.832	5.279	5.146	24.063
24.711	14.390	12.805	9.628	7.094	5.690	5.133	5.001	25.413
26.036	14.770	13.055	9.665	7.010	5.566	5.005	4.874	26.745
27.665	15.315	13.424	9.747	6.928	5.432	4.865	4.737	28.384
28.945	15.798	13.760	9.838	6.880	5.339	4.767	4.641	29.670
30.201	16.318	14.129	9.950	6.844	5.257	4.680	4.555	30.933
31.435	16.868	14.526	10.080	6.820	5.184	4.602	4.479	32.174
32.645	17.441	14.946	10.227	6.805	5.120	4.532	4.411	33.391
33.833	18.031	15.387	10.389	6.800	5.062	4.469	4.350	34.585
35.000	18.632	15.844	10.565	6.803	5.012	4.412	4.295	35.758
36.145	19.236	16.313	10.753	6.813	4.966	4.361	4.245	36.910
37.550	19.989	16.910	11.002	6.834	4.916	4.303	4.190	38.322
38.654	20.581	17.393	11.213	6.857	4.881	4.261	4.150	39.432
39.742	21.159	17.876	11.432	6.885	4.850	4.222	4.114	40.527
40.818	21.716	18.357	11.658	6.918	4.821	4.187	4.081	41.608
41.883	22.250	18.833	11.892	6.956	4.796	4.155	4.051	42.679
42.940	22.753	19.302	12.131	6.997	4.773	4.125	4.023	43.742
43.992	23.222	19.760	12.377	7.042	4.753	4.097	3.998	44.800
45.042	23.651	20.204	12.629	7.091	4.734	4.071	3.975	45.855
46.357	24.123	20.738	12.951	7.158	4.714	4.041	3.948	47.178
47.415	24.442	21.142	13.214	7.215	4.700	4.018	3.929	48.242
48.484	24.705	21.523	13.482	7.276	4.687	3.997	3.912	49.316
49.566	24.907	21.875	13.756	7.341	4.675	3.977	3.896	50.404

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
50.665	25.045	22.194	14.034	7.411	4.665	3.958	3.881	51.510
51.787	25.118	22.474	14.316	7.485	4.656	3.940	3.868	52.638
52.935	25.129	22.709	14.602	7.563	4.648	3.923	3.855	53.792
54.114	25.082	22.893	14.891	7.647	4.641	3.907	3.845	54.978
55.640	24.950	23.044	15.257	7.759	4.634	3.887	3.833	56.512
56.897	24.800	23.098	15.548	7.855	4.630	3.872	3.825	57.776
58.187	24.620	23.092	15.837	7.956	4.627	3.857	3.817	59.073
59.515	24.421	23.031	16.120	8.062	4.626	3.842	3.812	60.408
60.887	24.213	22.919	16.395	8.173	4.625	3.828	3.807	61.788
62.311	24.003	22.765	16.658	8.291	4.626	3.814	3.803	63.220
63.792	23.801	22.576	16.906	8.416	4.629	3.800	3.800	64.709
65.338	23.611	22.364	17.132	8.547	4.634	3.786	3.799	66.264
67.376	23.399	22.080	17.374	8.723	4.644	3.769	3.798	68.313
69.101	23.253	21.850	17.525	8.872	4.654	3.754	3.798	70.047
70.915	23.132	21.630	17.630	9.030	4.667	3.740	3.800	71.871
72.793	23.039	21.430	17.683	9.194	4.683	3.725	3.801	73.759
74.737	22.970	21.256	17.684	9.363	4.703	3.711	3.803	75.715
76.760	22.921	21.110	17.635	9.538	4.726	3.696	3.805	77.748
78.871	22.891	20.993	17.544	9.719	4.754	3.683	3.808	79.871
81.084	22.876	20.905	17.418	9.906	4.786	3.669	3.811	82.097
84.017	22.873	20.833	17.227	10.147	4.834	3.654	3.815	85.045
86.514	22.881	20.803	17.060	10.345	4.879	3.642	3.818	87.556
89.167	22.895	20.794	16.888	10.544	4.930	3.631	3.820	90.224
91.995	22.914	20.801	16.722	10.740	4.989	3.621	3.822	93.068
95.022	22.937	20.820	16.567	10.927	5.056	3.614	3.823	96.111
98.272	22.961	20.848	16.428	11.098	5.131	3.608	3.824	99.379
101.772	22.986	20.881	16.309	11.244	5.216	3.604	3.825	102.898
105.541	23.008	20.917	16.212	11.358	5.310	3.602	3.823	106.688
110.525	23.031	20.964	16.127	11.447	5.437	3.604	3.820	111.699
114.727	23.044	21.000	16.082	11.477	5.546	3.609	3.815	115.924
119.079	23.052	21.031	16.054	11.477	5.658	3.618	3.811	120.301
123.576	23.058	21.056	16.039	11.456	5.773	3.629	3.805	124.823
128.224	23.061	21.073	16.033	11.420	5.889	3.643	3.799	129.496
133.028	23.065	21.082	16.032	11.374	6.004	3.660	3.793	134.326
137.994	23.068	21.084	16.035	11.322	6.117	3.680	3.787	139.320
143.130	23.072	21.082	16.040	11.266	6.227	3.703	3.780	144.484
149.796	23.076	21.074	16.048	11.194	6.355	3.735	3.773	151.187
155.336	23.080	21.067	16.054	11.137	6.450	3.763	3.767	156.757
161.066	23.085	21.060	16.059	11.082	6.536	3.794	3.762	162.518
166.993	23.089	21.053	16.064	11.031	6.612	3.827	3.757	168.478
173.124	23.094	21.046	16.067	10.984	6.679	3.861	3.752	174.644
179.467	23.099	21.041	16.068	10.941	6.735	3.898	3.749	181.021
186.029	23.104	21.037	16.068	10.904	6.782	3.935	3.746	187.619
192.818	23.109	21.035	16.065	10.872	6.821	3.974	3.743	194.445
201.635	23.114	21.035	16.061	10.837	6.850	4.023	3.742	203.311

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.895	78.210	76.040	70.379	63.225	56.702	52.286	50.740	1.466
1.125	73.308	71.309	66.085	59.492	53.499	49.457	48.048	1.697
1.362	68.328	66.469	61.626	55.550	50.077	46.422	45.153	1.935
1.856	59.001	57.403	53.305	48.237	43.752	40.811	39.795	2.432
2.349	51.420	50.045	46.492	42.213	38.538	36.205	35.422	2.927
2.936	44.589	43.359	40.217	36.562	33.539	31.705	31.108	3.518
3.809	37.297	36.220	33.483	30.418	27.998	26.607	26.178	4.396
4.620	32.657	31.639	29.080	26.308	24.224	23.114	22.800	5.211
5.765	28.225	27.239	24.795	22.235	20.388	19.464	19.224	6.362
6.777	25.581	24.596	22.184	19.713	17.974	17.131	16.918	7.380
7.865	23.562	22.562	20.144	17.716	16.038	15.240	15.041	8.474
9.314	21.708	20.671	18.205	15.789	14.149	13.375	13.180	9.931
10.532	20.637	19.557	17.023	14.589	12.963	12.199	12.004	11.155
12.112	19.692	18.541	15.891	13.408	11.781	11.025	10.830	12.745
13.412	19.185	17.965	15.199	12.656	11.019	10.267	10.073	14.052
14.736	18.856	17.558	14.656	12.039	10.384	9.634	9.440	15.383
16.412	18.644	17.237	14.143	11.416	9.730	8.979	8.786	17.068
17.762	18.608	17.103	13.840	11.012	9.295	8.543	8.351	18.425
19.450	18.704	17.061	13.567	10.600	8.838	8.084	7.894	20.123
20.796	18.884	17.117	13.418	10.330	8.530	7.773	7.584	21.477
22.132	19.151	17.244	13.322	10.105	8.262	7.503	7.316	22.820
23.781	19.602	17.498	13.266	9.874	7.976	7.212	7.028	24.478
25.080	20.052	17.773	13.267	9.724	7.779	7.011	6.830	25.784
26.673	20.717	18.200	13.319	9.574	7.565	6.793	6.614	27.385
27.921	21.323	18.603	13.398	9.478	7.417	6.639	6.463	28.640
29.143	21.989	19.055	13.506	9.402	7.285	6.503	6.329	29.870
30.636	22.892	19.681	13.680	9.330	7.141	6.352	6.181	31.370
31.801	23.661	20.226	13.845	9.290	7.039	6.245	6.077	32.542
33.221	24.670	20.952	14.083	9.257	6.928	6.126	5.961	33.970
34.329	25.504	21.564	14.294	9.243	6.849	6.040	5.878	35.084
35.414	26.353	22.198	14.522	9.239	6.776	5.962	5.802	36.175
36.740	27.425	23.014	14.829	9.247	6.699	5.874	5.718	37.508
37.777	28.280	23.681	15.090	9.262	6.642	5.811	5.657	38.550
38.795	29.126	24.356	15.363	9.283	6.592	5.752	5.601	39.575
40.045	30.159	25.206	15.720	9.319	6.535	5.685	5.538	40.831
41.029	30.957	25.885	16.017	9.354	6.494	5.636	5.491	41.821
42.243	31.907	26.728	16.402	9.405	6.448	5.580	5.439	43.041
43.204	32.621	27.393	16.721	9.452	6.414	5.538	5.400	44.008
44.159	33.287	28.046	17.048	9.502	6.384	5.500	5.364	44.968
45.347	34.040	28.840	17.469	9.572	6.349	5.454	5.323	46.163
46.298	34.570	29.453	17.815	9.633	6.324	5.420	5.293	47.119
47.491	35.132	30.182	18.259	9.715	6.295	5.381	5.258	48.318
48.453	35.493	30.731	18.624	9.785	6.274	5.351	5.232	49.285
49.424	35.771	31.242	18.998	9.860	6.255	5.32	5.208	50.262
50.657	35.997	31.818	19.477	9.961	6.232	5.288	5.181	51.502

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
51.664	36.080	32.219	19.870	10.047	6.216	5.262	5.160	52.514
52.952	36.067	32.633	20.372	10.163	6.197	5.231	5.137	53.809
54.012	35.969	32.885	20.783	10.262	6.183	5.207	5.119	54.875
55.100	35.801	33.061	21.201	10.368	6.170	5.184	5.103	55.969
56.492	35.514	33.168	21.726	10.509	6.155	5.155	5.086	57.369
57.634	35.237	33.162	22.145	10.628	6.145	5.133	5.073	58.517
59.103	34.853	33.046	22.664	10.786	6.133	5.106	5.058	59.995
60.318	34.530	32.874	23.072	10.921	6.125	5.084	5.048	61.216
61.574	34.205	32.641	23.468	11.064	6.118	5.063	5.040	62.478
63.208	33.812	32.281	23.938	11.255	6.112	5.036	5.030	64.122
64.576	33.519	31.951	24.285	11.419	6.108	5.015	5.024	65.497
66.371	33.189	31.508	24.668	11.640	6.107	4.987	5.019	67.302
67.885	32.960	31.147	24.919	11.830	6.108	4.965	5.015	68.825
69.460	32.769	30.796	25.109	12.032	6.112	4.941	5.013	70.409
71.486	32.590	30.397	25.248	12.297	6.121	4.912	5.010	72.445
73.159	32.487	30.116	25.276	12.519	6.132	4.888	5.009	74.128
74.889	32.417	29.873	25.235	12.753	6.146	4.864	5.008	75.867
77.141	32.369	29.630	25.093	13.060	6.170	4.834	5.008	78.131
79.027	32.355	29.484	24.918	13.321	6.194	4.811	5.008	80.028
81.506	32.362	29.361	24.642	13.663	6.233	4.782	5.010	82.521
83.602	32.382	29.307	24.389	13.951	6.270	4.759	5.010	84.628
85.813	32.409	29.287	24.120	14.248	6.315	4.736	5.010	86.851
88.760	32.451	29.303	23.780	14.628	6.381	4.709	5.009	89.814
91.286	32.489	29.339	23.517	14.930	6.445	4.689	5.008	92.354
94.684	32.539	29.403	23.214	15.293	6.539	4.666	5.006	95.771
97.621	32.581	29.464	23.001	15.555	6.626	4.649	5.003	98.724
100.771	32.622	29.527	22.821	15.780	6.727	4.634	4.998	101.892
104.900	32.666	29.608	22.654	15.989	6.867	4.620	4.990	106.044
108.341	32.693	29.672	22.563	16.094	6.990	4.613	4.981	109.504
112.842	32.711	29.744	22.493	16.154	7.157	4.608	4.969	114.029
116.627	32.718	29.795	22.465	16.154	7.304	4.609	4.960	117.835
120.603	32.718	29.836	22.455	16.119	7.462	4.613	4.950	121.833
125.886	32.715	29.869	22.459	16.040	7.674	4.623	4.936	127.145
130.404	32.713	29.880	22.471	15.953	7.855	4.636	4.925	131.688
136.355	32.713	29.875	22.492	15.826	8.087	4.658	4.910	137.672
141.294	32.717	29.863	22.513	15.718	8.271	4.680	4.896	142.638
146.398	32.721	29.847	22.533	15.607	8.448	4.705	4.883	147.770
153.018	32.726	29.825	22.557	15.471	8.655	4.743	4.868	154.427
158.515	32.731	29.809	22.574	15.370	8.805	4.777	4.856	159.954
165.647	32.739	29.791	22.590	15.258	8.969	4.824	4.842	167.125
171.569	32.747	29.778	22.598	15.183	9.080	4.866	4.832	173.079
177.689	32.755	29.768	22.601	15.119	9.174	4.911	4.823	179.233
185.630	32.765	29.761	22.600	15.054	9.270	4.972	4.813	187.218
192.223	32.772	29.758	22.595	15.010	9.331	5.024	4.806	193.847
200.777	32.779	29.760	22.586	14.963	9.390	5.092	4.799	202.449

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	1.734	1.695	1.590	1.455	1.330	1.244	1.214	1.449
.979	1.721	1.680	1.574	1.439	1.313	1.227	1.197	1.550
1.034	1.742	1.701	1.594	1.458	1.331	1.245	1.215	1.605
1.155	1.750	1.710	1.605	1.470	1.345	1.260	1.230	1.727
1.290	1.742	1.703	1.598	1.466	1.343	1.260	1.231	1.864
1.443	1.730	1.691	1.587	1.456	1.337	1.256	1.228	2.017
1.612	1.714	1.675	1.573	1.445	1.328	1.249	1.222	2.188
1.801	1.692	1.654	1.555	1.430	1.317	1.241	1.215	2.378
2.009	1.668	1.630	1.533	1.411	1.303	1.231	1.206	2.588
2.238	1.635	1.599	1.505	1.388	1.285	1.217	1.193	2.818
2.622	1.593	1.557	1.465	1.356	1.261	1.198	1.177	3.206
2.907	1.569	1.534	1.442	1.335	1.246	1.187	1.167	3.493
3.215	1.548	1.513	1.422	1.316	1.229	1.175	1.157	3.803
3.548	1.529	1.495	1.404	1.298	1.212	1.161	1.145	4.138
3.906	1.514	1.479	1.389	1.284	1.197	1.148	1.133	4.499
4.289	1.501	1.467	1.376	1.272	1.186	1.137	1.123	4.885
4.698	1.492	1.457	1.366	1.262	1.178	1.130	1.116	5.297
5.134	1.486	1.450	1.358	1.255	1.172	1.126	1.112	5.736
5.597	1.482	1.446	1.352	1.249	1.168	1.123	1.111	6.203
6.088	1.481	1.444	1.349	1.245	1.165	1.122	1.111	6.697
6.877	1.482	1.445	1.348	1.243	1.163	1.122	1.111	7.492
7.439	1.485	1.448	1.349	1.243	1.163	1.122	1.112	8.059
8.031	1.490	1.451	1.351	1.244	1.165	1.124	1.114	8.655
8.653	1.495	1.456	1.354	1.247	1.167	1.127	1.117	9.282
9.306	1.500	1.461	1.358	1.250	1.170	1.131	1.121	9.939
9.990	1.506	1.466	1.362	1.253	1.174	1.135	1.125	10.629
10.706	1.513	1.472	1.367	1.257	1.178	1.139	1.130	11.350
11.454	1.519	1.478	1.372	1.261	1.182	1.144	1.135	12.104
12.236	1.526	1.484	1.376	1.265	1.186	1.148	1.140	12.892
13.052	1.532	1.490	1.381	1.269	1.190	1.153	1.144	13.714
14.342	1.541	1.498	1.388	1.275	1.196	1.160	1.151	15.014
15.246	1.547	1.504	1.393	1.279	1.200	1.164	1.156	15.925
16.187	1.552	1.509	1.397	1.283	1.204	1.168	1.160	16.873
17.166	1.557	1.513	1.402	1.287	1.207	1.172	1.164	17.859
18.183	1.562	1.518	1.406	1.290	1.210	1.175	1.167	18.884
19.239	1.566	1.522	1.409	1.293	1.213	1.178	1.170	19.948
20.336	1.570	1.526	1.413	1.297	1.216	1.181	1.173	21.053
21.474	1.574	1.530	1.416	1.299	1.219	1.184	1.176	22.199
22.654	1.578	1.533	1.419	1.302	1.221	1.186	1.179	23.388
23.877	1.581	1.536	1.422	1.305	1.224	1.188	1.181	24.620
25.796	1.585	1.540	1.426	1.308	1.227	1.191	1.184	26.553
27.132	1.588	1.543	1.428	1.310	1.229	1.193	1.185	27.899
28.515	1.591	1.545	1.431	1.312	1.230	1.195	1.187	29.293
29.947	1.593	1.548	1.433	1.314	1.232	1.196	1.188	30.736
31.428	1.595	1.550	1.434	1.316	1.233	1.197	1.189	32.228

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.960	1.597	1.552	1.436	1.317	1.235	1.198	1.190	33.772
34.545	1.599	1.553	1.438	1.319	1.236	1.199	1.191	35.368
36.183	1.600	1.555	1.439	1.320	1.237	1.200	1.192	37.019
37.877	1.602	1.556	1.441	1.321	1.238	1.201	1.193	38.725
39.627	1.603	1.558	1.442	1.322	1.239	1.202	1.194	40.489
42.362	1.605	1.560	1.444	1.324	1.240	1.203	1.195	43.244
44.261	1.606	1.561	1.445	1.325	1.241	1.204	1.195	45.157
46.222	1.608	1.562	1.446	1.326	1.242	1.204	1.196	47.133
48.248	1.609	1.563	1.447	1.327	1.242	1.205	1.196	49.174
50.340	1.609	1.564	1.448	1.327	1.243	1.205	1.197	51.282
52.500	1.610	1.565	1.449	1.328	1.244	1.206	1.197	53.458
54.730	1.611	1.566	1.450	1.329	1.244	1.206	1.198	55.705
57.033	1.612	1.566	1.451	1.330	1.245	1.207	1.198	58.025
59.410	1.613	1.567	1.451	1.330	1.245	1.207	1.198	60.420
61.865	1.613	1.568	1.452	1.331	1.246	1.207	1.198	62.893
65.697	1.614	1.568	1.453	1.332	1.246	1.208	1.199	66.754
68.355	1.614	1.569	1.453	1.332	1.247	1.208	1.199	69.433
71.100	1.615	1.570	1.454	1.332	1.247	1.208	1.199	72.198
73.935	1.615	1.570	1.454	1.333	1.247	1.208	1.199	75.054
76.863	1.616	1.570	1.455	1.333	1.248	1.209	1.200	78.004
79.886	1.616	1.571	1.455	1.334	1.248	1.209	1.200	81.050
83.009	1.616	1.571	1.456	1.334	1.248	1.209	1.200	84.196
86.235	1.616	1.571	1.456	1.334	1.249	1.209	1.200	87.446
89.567	1.617	1.572	1.457	1.335	1.249	1.209	1.200	90.804
93.011	1.617	1.572	1.457	1.335	1.249	1.210	1.200	94.273
98.393	1.617	1.572	1.457	1.335	1.249	1.210	1.200	99.695
102.131	1.617	1.572	1.458	1.336	1.250	1.210	1.200	103.462
105.996	1.617	1.573	1.458	1.336	1.250	1.210	1.201	107.355
109.990	1.617	1.573	1.458	1.336	1.250	1.210	1.201	111.380
114.120	1.617	1.573	1.458	1.336	1.250	1.210	1.201	115.541
118.391	1.618	1.573	1.459	1.336	1.250	1.211	1.201	119.844
122.806	1.618	1.573	1.459	1.337	1.250	1.211	1.201	124.292
127.372	1.618	1.573	1.459	1.337	1.251	1.211	1.201	128.893
132.095	1.618	1.573	1.459	1.337	1.251	1.211	1.201	133.650
136.978	1.618	1.573	1.459	1.337	1.251	1.211	1.201	138.571
144.620	1.618	1.574	1.460	1.337	1.251	1.211	1.201	146.270
149.934	1.618	1.574	1.460	1.337	1.251	1.211	1.201	151.624
155.431	1.618	1.574	1.460	1.338	1.251	1.211	1.201	157.162
161.117	1.618	1.574	1.460	1.338	1.251	1.211	1.201	162.891
166.999	1.618	1.574	1.460	1.338	1.251	1.211	1.201	168.817
173.085	1.618	1.574	1.460	1.338	1.252	1.211	1.201	174.948
179.380	1.618	1.574	1.460	1.338	1.252	1.212	1.201	181.291
185.893	1.618	1.574	1.460	1.338	1.252	1.212	1.201	187.853
192.630	1.618	1.574	1.461	1.338	1.252	1.212	1.202	194.641
203.176	1.618	1.574	1.461	1.338	1.252	1.212	1.202	205.266

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	2.925	2.852	2.661	2.417	2.192	2.038	1.984	1.449
.984	2.871	2.799	2.608	2.364	2.141	1.989	1.935	1.555
1.044	2.876	2.804	2.616	2.375	2.153	2.003	1.950	1.615
1.178	2.830	2.760	2.577	2.345	2.131	1.987	1.936	1.750
1.332	2.766	2.698	2.519	2.292	2.087	1.948	1.900	1.906
1.607	2.650	2.584	2.414	2.201	2.008	1.879	1.834	2.183
1.822	2.561	2.498	2.334	2.130	1.948	1.827	1.785	2.400
2.063	2.469	2.408	2.250	2.055	1.883	1.770	1.731	2.642
2.328	2.367	2.309	2.159	1.976	1.816	1.713	1.678	2.910
2.776	2.237	2.181	2.035	1.863	1.718	1.627	1.597	3.360
3.108	2.161	2.106	1.963	1.795	1.655	1.570	1.543	3.695
3.469	2.092	2.038	1.896	1.733	1.597	1.516	1.490	4.059
3.859	2.033	1.978	1.838	1.677	1.546	1.468	1.443	4.452
4.499	1.962	1.907	1.765	1.605	1.478	1.405	1.383	5.097
4.963	1.926	1.870	1.726	1.566	1.440	1.370	1.349	5.565
5.459	1.899	1.842	1.695	1.534	1.408	1.339	1.319	6.063
5.985	1.879	1.821	1.671	1.507	1.381	1.312	1.293	6.594
6.833	1.862	1.801	1.645	1.478	1.350	1.281	1.262	7.448
7.438	1.857	1.794	1.635	1.464	1.335	1.265	1.246	8.058
8.076	1.857	1.792	1.628	1.454	1.323	1.254	1.234	8.700
8.747	1.862	1.795	1.626	1.447	1.314	1.245	1.226	9.377
9.453	1.869	1.800	1.627	1.444	1.309	1.239	1.220	10.088
10.578	1.887	1.814	1.633	1.443	1.305	1.234	1.215	11.221
11.374	1.901	1.826	1.640	1.446	1.305	1.233	1.214	12.023
12.203	1.916	1.840	1.649	1.450	1.306	1.234	1.215	12.858
13.062	1.933	1.855	1.659	1.455	1.309	1.236	1.217	13.724
14.407	1.959	1.878	1.675	1.465	1.315	1.241	1.223	15.079
15.341	1.977	1.893	1.687	1.472	1.320	1.246	1.227	16.020
16.305	1.993	1.909	1.699	1.480	1.325	1.251	1.232	16.991
17.299	2.010	1.924	1.710	1.488	1.331	1.256	1.238	17.993
18.846	2.033	1.945	1.727	1.500	1.340	1.265	1.247	19.551
19.915	2.047	1.958	1.738	1.508	1.346	1.271	1.253	20.628
21.014	2.060	1.971	1.749	1.516	1.352	1.276	1.259	21.736
22.143	2.073	1.982	1.759	1.523	1.357	1.282	1.265	22.873
23.894	2.089	1.998	1.772	1.533	1.366	1.290	1.273	24.637
25.099	2.099	2.008	1.781	1.540	1.371	1.295	1.279	25.852
26.336	2.108	2.017	1.789	1.546	1.376	1.300	1.284	27.097
27.603	2.117	2.025	1.796	1.552	1.381	1.305	1.289	28.374
28.902	2.125	2.032	1.803	1.558	1.385	1.309	1.293	29.683
30.910	2.135	2.043	1.812	1.565	1.391	1.315	1.300	31.706
32.288	2.141	2.049	1.818	1.570	1.395	1.319	1.304	33.095
33.700	2.147	2.054	1.823	1.575	1.399	1.322	1.307	34.517
35.144	2.152	2.059	1.828	1.579	1.402	1.325	1.310	35.972
37.373	2.159	2.066	1.835	1.585	1.407	1.329	1.315	38.218
38.902	2.163	2.070	1.839	1.588	1.410	1.332	1.317	39.759

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
40.466	2.167	2.074	1.843	1.592	1.413	1.334	1.319	41.334
42.066	2.170	2.078	1.846	1.595	1.415	1.337	1.322	42.946
44.534	2.175	2.083	1.851	1.599	1.419	1.340	1.324	45.433
46.227	2.178	2.086	1.854	1.602	1.421	1.341	1.326	47.138
47.359	2.180	2.088	1.857	1.604	1.423	1.343	1.328	48.883
49.731	2.183	2.091	1.859	1.606	1.425	1.344	1.329	50.668
52.469	2.186	2.094	1.863	1.610	1.428	1.347	1.331	53.427
54.349	2.188	2.096	1.865	1.612	1.430	1.348	1.332	55.321
56.275	2.189	2.098	1.867	1.614	1.431	1.349	1.333	57.262
58.250	2.191	2.100	1.869	1.615	1.433	1.350	1.334	59.251
60.275	2.192	2.101	1.871	1.617	1.434	1.351	1.335	61.292
63.412	2.193	2.103	1.873	1.619	1.436	1.353	1.336	64.452
65.573	2.194	2.104	1.875	1.621	1.438	1.354	1.337	66.629
67.792	2.195	2.105	1.876	1.622	1.439	1.355	1.338	68.865
70.071	2.196	2.106	1.877	1.623	1.440	1.355	1.338	71.161
73.608	2.196	2.107	1.879	1.625	1.441	1.357	1.339	74.725
76.049	2.197	2.108	1.880	1.626	1.442	1.357	1.340	77.184
78.558	2.197	2.109	1.881	1.627	1.443	1.358	1.340	79.712
81.138	2.197	2.109	1.882	1.628	1.444	1.359	1.341	82.311
85.146	2.198	2.110	1.884	1.629	1.445	1.360	1.341	86.350
87.914	2.198	2.110	1.885	1.630	1.446	1.360	1.342	89.138
90.760	2.198	2.111	1.886	1.631	1.447	1.361	1.342	92.006
93.688	2.198	2.111	1.886	1.631	1.448	1.361	1.343	94.956
98.239	2.198	2.111	1.887	1.632	1.449	1.362	1.343	99.540
101.382	2.198	2.112	1.888	1.633	1.449	1.363	1.344	102.707
104.615	2.198	2.112	1.889	1.633	1.450	1.363	1.344	105.965
107.942	2.199	2.112	1.889	1.634	1.450	1.364	1.344	109.317
111.365	2.199	2.112	1.890	1.635	1.451	1.364	1.344	112.765
116.686	2.199	2.113	1.891	1.635	1.451	1.365	1.345	118.127
120.363	2.199	2.113	1.891	1.636	1.452	1.365	1.345	121.831
124.146	2.199	2.113	1.891	1.636	1.452	1.365	1.345	125.642
128.039	2.199	2.113	1.892	1.637	1.452	1.366	1.346	129.564
134.091	2.199	2.113	1.892	1.637	1.453	1.366	1.346	135.662
138.274	2.199	2.113	1.893	1.638	1.453	1.366	1.346	139.876
142.578	2.199	2.113	1.893	1.639	1.453	1.367	1.346	144.213
147.008	2.199	2.113	1.893	1.639	1.453	1.367	1.347	148.676
153.896	2.199	2.113	1.893	1.640	1.454	1.367	1.347	155.615
158.656	2.200	2.113	1.893	1.640	1.454	1.367	1.347	160.411
163.554	2.200	2.113	1.893	1.641	1.454	1.368	1.347	165.347
168.596	2.200	2.113	1.893	1.641	1.454	1.368	1.347	170.427
176.437	2.200	2.113	1.893	1.642	1.454	1.368	1.347	178.326
181.856	2.200	2.113	1.893	1.643	1.455	1.368	1.348	183.785
187.433	2.200	2.113	1.893	1.643	1.455	1.368	1.348	189.404
193.173	2.200	2.113	1.893	1.643	1.455	1.368	1.348	195.187
202.099	2.201	2.113	1.893	1.644	1.455	1.368	1.348	204.181

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.878	9.861	9.598	8.907	8.034	7.232	6.691	6.500	1.449
.976	9.576	9.317	8.637	7.778	6.992	6.463	6.277	1.547
1.105	9.340	9.093	8.447	7.630	6.884	6.380	6.204	1.678
1.336	8.803	8.570	7.962	7.198	6.508	6.046	5.885	1.910
1.607	8.197	7.980	7.420	6.719	6.092	5.675	5.530	2.183
1.921	7.567	7.366	6.850	6.213	5.650	5.281	5.154	2.500
2.281	6.930	6.747	6.274	5.701	5.206	4.889	4.782	2.862
2.691	6.351	6.178	5.735	5.213	4.773	4.500	4.410	3.275
3.152	5.828	5.666	5.250	4.768	4.368	4.125	4.046	3.739
3.665	5.371	5.215	4.817	4.365	4.001	3.785	3.716	4.256
4.229	4.988	4.834	4.445	4.012	3.673	3.479	3.420	4.825
4.844	4.674	4.520	4.134	3.711	3.387	3.208	3.155	5.445
5.508	4.422	4.267	3.878	3.459	3.143	2.972	2.922	6.113
6.218	4.225	4.065	3.670	3.251	2.938	2.772	2.724	6.828
6.970	4.073	3.909	3.504	3.079	2.767	2.603	2.556	7.586
7.762	3.961	3.790	3.372	2.940	2.625	2.461	2.415	8.384
8.590	3.882	3.703	3.270	2.826	2.507	2.342	2.296	9.219
9.451	3.831	3.642	3.191	2.734	2.409	2.242	2.195	10.086
10.343	3.804	3.605	3.133	2.661	2.328	2.159	2.111	10.985
11.263	3.798	3.588	3.092	2.602	2.261	2.089	2.040	11.911
12.208	3.811	3.588	3.067	2.556	2.205	2.030	1.981	12.863
13.177	3.840	3.603	3.054	2.522	2.160	1.981	1.931	13.840
14.168	3.883	3.631	3.053	2.496	2.122	1.939	1.889	14.839
15.181	3.937	3.671	3.061	2.479	2.092	1.905	1.854	15.859
16.215	4.002	3.720	3.079	2.469	2.067	1.876	1.824	16.900
17.268	4.076	3.778	3.103	2.464	2.048	1.852	1.800	17.962
18.341	4.157	3.844	3.135	2.466	2.034	1.833	1.779	19.043
19.434	4.243	3.914	3.172	2.472	2.023	1.817	1.763	20.144
20.546	4.333	3.990	3.213	2.481	2.016	1.804	1.749	21.264
21.677	4.426	4.068	3.259	2.495	2.012	1.795	1.739	22.403
22.441	4.488	4.122	3.291	2.506	2.011	1.790	1.734	23.174
23.604	4.582	4.203	3.342	2.524	2.011	1.784	1.727	24.345
24.786	4.675	4.285	3.395	2.545	2.013	1.781	1.723	25.536
25.987	4.766	4.366	3.449	2.568	2.017	1.779	1.721	26.746
27.206	4.853	4.444	3.504	2.592	2.023	1.779	1.721	27.975
28.445	4.936	4.521	3.559	2.618	2.030	1.781	1.722	29.222
29.702	5.015	4.594	3.613	2.645	2.038	1.783	1.724	30.489
30.979	5.088	4.663	3.667	2.673	2.047	1.787	1.728	31.775
32.276	5.157	4.729	3.719	2.701	2.057	1.792	1.733	33.082
33.594	5.221	4.791	3.769	2.730	2.068	1.797	1.738	34.411
34.937	5.279	4.848	3.818	2.759	2.079	1.803	1.744	35.763
36.306	5.333	4.902	3.865	2.788	2.091	1.810	1.752	37.142
37.705	5.382	4.953	3.909	2.817	2.103	1.817	1.759	38.552
39.140	5.426	4.999	3.952	2.845	2.116	1.824	1.768	39.998
40.616	5.464	5.042	3.993	2.874	2.129	1.832	1.776	41.485

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
42.140	5.497	5.082	4.031	2.902	2.143	1.840	1.786	43.021
43.719	5.522	5.116	4.068	2.930	2.157	1.849	1.795	44.611
45.359	5.541	5.147	4.103	2.957	2.171	1.858	1.805	46.264
47.069	5.552	5.171	4.137	2.984	2.186	1.866	1.815	47.986
48.855	5.555	5.190	4.168	3.010	2.201	1.875	1.826	49.785
50.724	5.552	5.201	4.198	3.036	2.216	1.885	1.837	51.669
52.686	5.545	5.206	4.225	3.061	2.232	1.894	1.847	53.646
54.748	5.537	5.205	4.250	3.085	2.248	1.903	1.858	55.723
56.881	5.529	5.199	4.272	3.107	2.263	1.912	1.868	57.872
59.075	5.522	5.192	4.291	3.128	2.279	1.921	1.878	60.082
61.333	5.516	5.185	4.307	3.148	2.294	1.929	1.887	62.358
63.660	5.510	5.178	4.318	3.167	2.309	1.938	1.896	64.702
66.060	5.505	5.173	4.326	3.183	2.324	1.946	1.904	67.120
68.535	5.500	5.169	4.330	3.199	2.338	1.954	1.911	69.613
71.089	5.496	5.165	4.330	3.214	2.351	1.962	1.919	72.187
72.838	5.493	5.163	4.330	3.223	2.359	1.967	1.923	73.949
75.533	5.489	5.159	4.328	3.236	2.372	1.975	1.929	76.664
78.317	5.485	5.156	4.325	3.248	2.384	1.982	1.935	79.469
81.193	5.482	5.153	4.322	3.260	2.395	1.989	1.940	82.367
84.164	5.479	5.149	4.320	3.272	2.405	1.996	1.945	85.360
87.233	5.477	5.146	4.317	3.282	2.415	2.002	1.949	88.452
90.403	5.476	5.144	4.315	3.292	2.424	2.009	1.953	91.646
93.678	5.475	5.141	4.313	3.300	2.433	2.015	1.957	94.945
97.060	5.475	5.139	4.310	3.308	2.441	2.021	1.960	98.353
100.553	5.475	5.137	4.308	3.314	2.448	2.027	1.963	101.872
104.161	5.476	5.136	4.305	3.318	2.455	2.033	1.966	105.508
107.888	5.476	5.135	4.303	3.322	2.461	2.038	1.968	109.262
111.736	5.477	5.134	4.300	3.324	2.467	2.043	1.970	113.140
115.711	5.478	5.134	4.298	3.326	2.472	2.048	1.973	117.144
119.817	5.478	5.134	4.296	3.328	2.478	2.053	1.975	121.280
124.056	5.479	5.134	4.293	3.329	2.483	2.057	1.977	125.552
128.435	5.480	5.134	4.291	3.330	2.488	2.062	1.979	129.963
132.957	5.481	5.134	4.288	3.330	2.493	2.066	1.981	134.519
137.627	5.482	5.134	4.286	3.330	2.499	2.069	1.982	139.224
142.450	5.483	5.134	4.284	3.330	2.504	2.073	1.984	144.084
147.431	5.484	5.134	4.282	3.329	2.508	2.076	1.986	149.102
152.575	5.485	5.135	4.281	3.328	2.513	2.079	1.987	154.285
157.888	5.486	5.135	4.279	3.327	2.517	2.082	1.989	159.638
163.375	5.487	5.135	4.278	3.326	2.521	2.085	1.990	165.166
169.042	5.488	5.136	4.276	3.325	2.525	2.087	1.992	170.875
174.895	5.489	5.136	4.275	3.324	2.528	2.089	1.993	176.773
180.941	5.490	5.137	4.274	3.323	2.531	2.092	1.995	182.864
187.185	5.490	5.137	4.273	3.321	2.534	2.094	1.996	189.155
193.635	5.491	5.138	4.272	3.320	2.536	2.095	1.997	195.653
200.297	5.492	5.139	4.271	3.318	2.538	2.097	1.998	202.365

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	21.412	20.831	19.311	17.390	15.631	14.442	14.025	1.449
1.033	20.548	19.994	18.543	16.703	15.023	13.887	13.490	1.605
1.246	19.366	18.845	17.488	15.781	14.238	13.204	12.844	1.820
1.498	18.018	17.535	16.283	14.717	13.309	12.371	12.045	2.073
1.897	16.109	15.677	14.564	13.192	11.980	11.187	10.913	2.475
2.374	14.213	13.830	12.843	11.661	10.647	10.005	9.789	2.956
2.789	12.940	12.581	11.665	10.589	9.687	9.132	8.948	3.373
3.417	11.431	11.103	10.265	9.306	8.523	8.054	7.902	4.006
4.132	10.194	9.880	9.084	8.200	7.508	7.113	6.992	4.727
4.723	9.443	9.132	8.352	7.501	6.850	6.491	6.386	5.322
5.578	8.648	8.335	7.560	6.733	6.114	5.783	5.688	6.184
6.505	8.051	7.731	6.947	6.125	5.522	5.207	5.118	7.118
7.240	7.710	7.381	6.582	5.756	5.158	4.848	4.762	7.859
8.268	7.370	7.025	6.199	5.358	4.759	4.451	4.366	8.894
9.070	7.186	6.827	5.974	5.117	4.513	4.205	4.119	9.702
10.172	7.018	6.636	5.740	4.857	4.243	3.932	3.845	10.812
11.307	6.925	6.516	5.569	4.651	4.024	3.710	3.622	11.956
12.175	6.897	6.465	5.475	4.526	3.886	3.569	3.481	12.830
13.350	6.905	6.440	5.386	4.392	3.733	3.411	3.322	14.015
14.542	6.958	6.456	5.333	4.288	3.607	3.279	3.189	15.216
15.445	7.023	6.492	5.312	4.227	3.527	3.194	3.103	16.124
16.655	7.139	6.568	5.308	4.164	3.438	3.097	3.005	17.344
17.870	7.285	6.670	5.326	4.118	3.364	3.016	2.922	18.568
18.783	7.413	6.762	5.351	4.094	3.317	2.963	2.869	19.488
20.000	7.603	6.903	5.400	4.073	3.265	2.902	2.807	20.714
21.215	7.815	7.064	5.463	4.062	3.222	2.851	2.754	21.938
22.122	7.987	7.196	5.519	4.061	3.196	2.818	2.720	22.852
23.328	8.228	7.385	5.604	4.067	3.167	2.779	2.681	24.067
24.227	8.417	7.535	5.674	4.076	3.149	2.755	2.655	24.973
25.419	8.675	7.743	5.776	4.094	3.129	2.726	2.626	26.174
26.604	8.936	7.958	5.886	4.117	3.115	2.702	2.601	27.367
27.487	9.133	8.122	5.973	4.138	3.107	2.687	2.585	28.257
28.658	9.391	8.341	6.094	4.170	3.099	2.669	2.567	29.437
29.822	9.643	8.560	6.219	4.206	3.094	2.655	2.552	30.610
30.693	9.825	8.721	6.315	4.236	3.092	2.645	2.542	31.487
31.850	10.059	8.932	6.446	4.278	3.092	2.635	2.532	32.653
33.006	10.280	9.137	6.578	4.323	3.094	2.627	2.523	33.818
33.875	10.435	9.285	6.678	4.359	3.097	2.622	2.518	34.693
35.037	10.628	9.475	6.811	4.409	3.102	2.617	2.513	35.864
35.914	10.761	9.611	6.911	4.447	3.107	2.614	2.511	36.748
37.095	10.921	9.783	7.044	4.501	3.115	2.612	2.508	37.937
38.292	11.058	9.942	7.175	4.558	3.125	2.611	2.507	39.144
39.205	11.146	10.053	7.273	4.602	3.133	2.610	2.508	40.063
40.445	11.241	10.187	7.402	4.662	3.146	2.611	2.509	41.312
41.717	11.309	10.303	7.528	4.724	3.159	2.613	2.512	42.594

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
42.696	11.341	10.378	7.621	4.773	3.170	2.615	2.515	43.581
44.040	11.361	10.459	7.742	4.839	3.187	2.619	2.519	44.935
45.435	11.357	10.516	7.859	4.907	3.204	2.623	2.526	46.340
46.518	11.340	10.542	7.944	4.960	3.219	2.627	2.531	47.432
48.019	11.303	10.556	8.052	5.032	3.240	2.633	2.539	48.944
49.589	11.256	10.546	8.153	5.105	3.262	2.640	2.549	50.526
50.813	11.218	10.527	8.222	5.160	3.280	2.646	2.557	51.758
52.513	11.164	10.487	8.306	5.235	3.305	2.654	2.569	53.472
53.846	11.124	10.451	8.360	5.292	3.326	2.661	2.578	54.814
55.709	11.073	10.398	8.419	5.367	3.355	2.670	2.592	56.691
57.680	11.026	10.343	8.460	5.443	3.386	2.681	2.607	58.677
59.238	10.995	10.303	8.479	5.500	3.411	2.689	2.619	60.247
61.433	10.959	10.253	8.487	5.575	3.446	2.701	2.636	62.458
63.776	10.929	10.209	8.476	5.650	3.483	2.713	2.653	64.818
65.638	10.909	10.180	8.459	5.705	3.513	2.723	2.667	66.695
68.261	10.889	10.149	8.427	5.776	3.555	2.737	2.685	69.338
71.059	10.874	10.124	8.390	5.845	3.599	2.752	2.704	72.156
73.284	10.866	10.109	8.361	5.893	3.633	2.763	2.718	74.399
76.441	10.860	10.094	8.322	5.952	3.680	2.780	2.737	77.579
78.916	10.859	10.087	8.295	5.991	3.716	2.793	2.750	80.073
82.329	10.861	10.082	8.265	6.034	3.764	2.810	2.766	83.512
85.875	10.865	10.081	8.239	6.065	3.811	2.828	2.780	87.084
88.624	10.869	10.082	8.223	6.081	3.845	2.842	2.791	89.853
92.411	10.874	10.085	8.205	6.094	3.888	2.861	2.803	93.669
96.342	10.879	10.089	8.190	6.099	3.930	2.881	2.815	97.630
99.389	10.883	10.093	8.181	6.098	3.960	2.895	2.822	100.699
103.585	10.887	10.097	8.171	6.094	3.999	2.916	2.831	104.927
107.940	10.891	10.101	8.163	6.087	4.134	2.936	2.840	109.315
111.315	10.895	10.103	8.158	6.081	4.060	2.951	2.845	112.714
115.963	10.898	10.106	8.154	6.072	4.092	2.972	2.852	117.398
120.788	10.902	10.107	8.150	6.062	4.121	2.992	2.858	122.259
124.526	10.905	10.109	8.148	6.055	4.141	3.007	2.862	126.025
129.677	10.908	10.110	8.146	6.045	4.165	3.027	2.867	131.215
133.669	10.910	10.111	8.145	6.037	4.181	3.041	2.871	135.237
139.169	10.912	10.111	8.143	6.028	4.200	3.059	2.876	140.778
144.881	10.914	10.112	8.142	6.018	4.215	3.077	2.881	146.533
149.308	10.916	10.112	8.141	6.011	4.225	3.090	2.884	150.993
155.408	10.917	10.113	8.139	6.002	4.236	3.106	2.889	157.139
161.744	10.919	10.114	8.138	5.994	4.244	3.121	2.893	163.522
166.655	10.921	10.114	8.137	5.988	4.249	3.132	2.897	168.471
173.424	10.922	10.115	8.135	5.980	4.255	3.145	2.901	175.291
180.455	10.924	10.116	8.134	5.973	4.259	3.158	2.906	182.374
185.906	10.925	10.117	8.133	5.969	4.261	3.166	2.909	187.866
193.419	10.926	10.118	8.132	5.963	4.263	3.177	2.914	195.435
201.223	10.927	10.120	8.131	5.957	4.265	3.187	2.918	203.298

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	37.582	36.557	33.876	30.489	27.389	25.296	24.560	1.449
1.098	35.355	34.403	31.913	28.767	25.903	23.970	23.295	1.670
1.322	33.116	32.223	29.896	26.974	24.339	22.577	21.964	1.896
1.681	29.786	28.985	26.915	24.342	22.049	20.533	20.007	2.257
2.114	26.395	25.679	23.846	21.606	19.649	18.383	17.949	2.694
2.627	23.164	22.525	20.892	18.962	17.332	16.318	15.983	3.211
3.226	20.373	19.793	18.315	16.608	15.205	14.357	14.081	3.814
4.093	17.515	16.974	15.610	14.093	12.906	12.228	12.020	4.688
4.877	15.754	15.224	13.901	12.465	11.376	10.782	10.610	5.478
5.735	14.395	13.863	12.550	11.156	10.123	9.575	9.420	6.342
6.658	13.366	12.823	11.498	10.117	9.113	8.592	8.447	7.272
7.636	12.600	12.038	10.682	9.295	8.303	7.794	7.653	8.258
8.660	12.042	11.453	10.053	8.645	7.652	7.146	7.006	9.289
9.721	11.651	11.029	9.569	8.127	7.126	6.621	6.480	10.358
11.087	11.348	10.675	9.123	7.624	6.604	6.095	5.954	11.735
12.204	11.225	10.505	8.866	7.310	6.269	5.756	5.613	12.859
13.334	11.189	10.416	8.679	7.059	5.992	5.473	5.329	13.998
14.474	11.225	10.395	8.551	6.857	5.761	5.235	5.090	15.146
15.617	11.321	10.429	8.470	6.696	5.567	5.033	4.887	16.299
16.761	11.469	10.511	8.429	6.569	5.404	4.861	4.714	17.450
17.900	11.664	10.634	8.420	6.469	5.267	4.714	4.566	18.598
19.312	11.970	10.840	8.449	6.377	5.124	4.560	4.409	20.021
20.429	12.260	11.043	8.499	6.324	5.030	4.455	4.303	21.147
21.533	12.589	11.278	8.570	6.287	4.949	4.364	4.211	22.259
22.621	12.951	11.543	8.660	6.263	4.881	4.285	4.132	23.355
23.693	13.341	11.833	8.768	6.251	4.822	4.216	4.062	24.435
24.747	13.756	12.146	8.891	6.249	4.773	4.156	4.001	25.497
25.784	14.188	12.478	9.029	6.257	4.730	4.103	3.947	26.542
27.056	14.744	12.913	9.219	6.277	4.687	4.045	3.889	27.823
28.055	15.195	13.274	9.383	6.301	4.658	4.005	3.848	28.830
29.039	15.647	13.642	9.557	6.331	4.634	3.970	3.813	29.821
30.008	16.093	14.013	9.739	6.366	4.614	3.939	3.781	30.797
30.965	16.530	14.384	9.929	6.407	4.598	3.911	3.753	31.762
31.912	16.952	14.753	10.125	6.452	4.585	3.886	3.728	32.715
32.849	17.357	15.117	10.326	6.501	4.576	3.864	3.705	33.660
34.013	17.832	15.561	10.584	6.568	4.567	3.840	3.681	34.832
34.940	18.182	15.905	10.794	6.626	4.563	3.823	3.664	35.766
35.867	18.504	16.235	11.008	6.688	4.560	3.808	3.649	36.700
36.795	18.792	16.550	11.225	6.752	4.560	3.795	3.636	37.636
37.729	19.043	16.847	11.444	6.821	4.562	3.783	3.624	38.576
38.671	19.256	17.124	11.664	6.893	4.565	3.773	3.615	39.526
39.625	19.427	17.377	11.885	6.968	4.570	3.764	3.606	40.487
40.839	19.581	17.655	12.163	7.067	4.579	3.755	3.598	41.709
41.831	19.655	17.843	12.385	7.150	4.588	3.749	3.593	42.709
42.847	19.687	17.998	12.607	7.238	4.598	3.744	3.589	43.733

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
43.891	19.681	18.116	12.826	7.329	4.610	3.741	3.586	44.784
44.966	19.640	18.196	13.042	7.425	4.623	3.738	3.585	45.868
46.077	19.570	18.236	13.254	7.525	4.638	3.736	3.586	46.987
47.513	19.451	18.234	13.506	7.656	4.659	3.735	3.588	48.433
48.702	19.338	18.193	13.697	7.764	4.678	3.736	3.592	49.632
49.934	19.216	18.123	13.873	7.877	4.698	3.737	3.597	50.873
51.215	19.090	18.028	14.033	7.995	4.720	3.739	3.603	52.164
52.550	18.966	17.915	14.172	8.116	4.744	3.742	3.611	53.509
53.947	18.848	17.788	14.287	8.242	4.771	3.745	3.621	54.916
55.413	18.740	17.655	14.373	8.373	4.800	3.749	3.632	56.393
57.355	18.624	17.490	14.437	8.543	4.840	3.756	3.649	58.349
58.982	18.547	17.367	14.452	8.683	4.876	3.761	3.663	59.989
60.675	18.487	17.259	14.436	8.824	4.914	3.767	3.679	61.695
62.443	18.439	17.165	14.392	8.967	4.955	3.774	3.696	63.476
64.295	18.405	17.088	14.325	9.110	5.001	3.781	3.714	65.341
66.243	18.382	17.028	14.240	9.252	5.050	3.789	3.733	67.304
68.300	18.368	16.984	14.144	9.392	5.105	3.798	3.754	69.377
71.046	18.362	16.950	14.017	9.559	5.180	3.811	3.780	72.143
73.401	18.365	16.936	13.917	9.683	5.246	3.822	3.802	74.517
75.917	18.372	16.933	13.823	9.794	5.318	3.836	3.824	77.051
78.613	18.383	16.938	13.739	9.886	5.397	3.850	3.847	79.767
81.507	18.397	16.949	13.668	9.957	5.482	3.867	3.870	82.683
84.569	18.413	16.965	13.611	10.004	5.573	3.886	3.892	85.768
87.793	18.428	16.984	13.568	10.028	5.668	3.907	3.913	89.016
92.082	18.445	17.008	13.532	10.029	5.790	3.938	3.938	93.337
95.735	18.456	17.026	13.513	10.012	5.891	3.965	3.957	97.018
99.524	18.466	17.043	13.504	9.987	5.990	3.994	3.973	100.835
103.445	18.473	17.056	13.500	9.955	6.086	4.025	3.987	104.786
107.504	18.479	17.065	13.500	9.920	6.176	4.059	4.001	108.875
111.706	18.484	17.071	13.502	9.884	6.260	4.095	4.013	113.109
116.056	18.489	17.074	13.506	9.848	6.337	4.132	4.023	117.491
121.711	18.493	17.074	13.512	9.804	6.419	4.181	4.036	123.188
126.416	18.496	17.072	13.516	9.772	6.474	4.221	4.045	127.929
131.289	18.499	17.070	13.520	9.742	6.520	4.262	4.053	132.839
136.338	18.501	17.068	13.523	9.715	6.558	4.303	4.061	137.925
141.567	18.504	17.066	13.525	9.691	6.587	4.344	4.069	143.194
146.984	18.506	17.064	13.525	9.671	6.610	4.385	4.076	148.652
152.596	18.509	17.062	13.524	9.653	6.628	4.424	4.084	154.306
159.897	18.511	17.062	13.522	9.634	6.643	4.471	4.093	161.662
165.975	18.514	17.062	13.520	9.622	6.651	4.507	4.101	167.785
172.272	18.516	17.063	13.517	9.611	6.655	4.541	4.108	174.130
178.798	18.518	17.065	13.514	9.602	6.656	4.572	4.116	180.704
185.559	18.519	17.067	13.511	9.593	6.654	4.601	4.123	187.516
192.565	18.521	17.070	13.508	9.586	6.649	4.627	4.130	194.575
201.680	18.523	17.073	13.506	9.577	6.641	4.657	4.139	203.758

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	58.368	56.772	52.609	47.328	42.510	39.244	38.107	1.449
1.097	54.867	53.387	49.512	44.623	40.168	37.165	36.118	1.670
1.403	50.092	48.740	45.222	40.816	36.847	34.202	33.281	1.977
1.778	44.802	43.593	40.477	36.620	33.198	30.946	30.164	2.355
2.354	38.204	37.171	34.510	31.299	28.548	26.798	26.211	2.935
2.907	33.528	32.586	30.188	27.383	25.053	23.622	23.151	3.493
3.717	28.581	27.732	25.580	23.151	21.210	20.068	19.707	4.308
4.456	25.456	24.637	22.584	20.329	18.595	17.631	17.344	5.054
5.487	22.488	21.676	19.672	17.534	15.941	15.093	14.852	6.092
6.386	20.732	19.909	17.900	15.798	14.266	13.469	13.246	6.998
7.588	19.135	18.281	16.226	14.125	12.625	11.857	11.646	8.209
8.599	18.227	17.336	15.219	13.094	11.597	10.838	10.628	9.228
9.911	17.448	16.495	14.272	12.090	10.583	9.825	9.614	10.550
10.990	17.050	16.038	13.707	11.462	9.936	9.176	8.965	11.636
12.363	16.775	15.676	13.188	10.843	9.283	8.517	8.305	13.019
13.473	16.698	15.522	12.891	10.453	8.858	8.085	7.872	14.138
14.867	16.744	15.462	12.636	10.067	8.422	7.638	7.423	15.542
15.981	16.876	15.502	12.507	9.824	8.134	7.339	7.122	16.665
17.366	17.142	15.642	12.420	9.585	7.834	7.025	6.807	18.060
18.462	17.431	15.818	12.400	9.436	7.634	6.813	6.593	19.165
19.814	17.883	16.112	12.428	9.292	7.423	6.587	6.365	20.527
20.877	18.313	16.403	12.486	9.205	7.280	6.432	6.210	21.597
22.179	18.928	16.832	12.600	9.126	7.129	6.266	6.042	22.910
23.199	19.476	17.223	12.720	9.083	7.026	6.150	5.926	23.937
24.444	20.221	17.764	12.903	9.051	6.917	6.025	5.799	25.192
25.417	20.855	18.233	13.074	9.040	6.842	5.937	5.711	26.172
26.604	21.684	18.857	13.315	9.042	6.762	5.840	5.614	27.368
27.532	22.366	19.381	13.526	9.056	6.708	5.772	5.545	28.302
28.665	23.232	20.059	13.812	9.085	6.649	5.697	5.469	29.444
29.552	23.926	20.614	14.055	9.117	6.610	5.644	5.415	30.338
30.639	24.783	21.317	14.376	9.167	6.568	5.584	5.355	31.433
31.705	25.619	22.024	14.713	9.227	6.533	5.531	5.302	32.507
32.545	26.263	22.586	14.993	9.281	6.510	5.493	5.264	33.353
33.581	27.029	23.280	15.354	9.357	6.486	5.450	5.221	34.397
34.402	27.603	23.823	15.651	9.422	6.471	5.420	5.190	35.225
35.422	28.264	24.482	16.032	9.511	6.456	5.385	5.155	36.252
36.235	28.741	24.989	16.343	9.587	6.446	5.360	5.130	37.071
37.251	29.267	25.590	16.740	9.688	6.438	5.332	5.102	38.094
38.066	29.625	26.042	17.064	9.773	6.434	5.311	5.081	38.916
39.094	29.989	26.563	17.474	9.886	6.432	5.288	5.059	39.951
39.925	30.213	26.940	17.807	9.982	6.432	5.271	5.042	40.788
40.979	30.404	27.354	18.228	10.108	6.435	5.253	5.025	41.851
41.839	30.489	27.635	18.567	10.214	6.440	5.239	5.012	42.717
42.939	30.512	27.916	18.994	10.355	6.448	5.224	4.999	43.825
43.843	30.470	28.082	19.335	10.474	6.456	5.214	4.990	44.736

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
45.007	30.348	28.210	19.760	10.631	6.468	5.203	4.981	45.909
45.962	30.206	28.250	20.092	10.762	6.480	5.195	4.976	46.871
47.189	29.983	28.223	20.494	10.935	6.497	5.186	4.972	48.107
48.201	29.779	28.145	20.800	11.080	6.512	5.181	4.970	49.127
49.510	29.506	27.983	21.159	11.271	6.534	5.175	4.970	50.446
50.599	29.284	27.810	21.421	11.432	6.553	5.171	4.972	51.543
52.018	29.013	27.553	21.709	11.644	6.579	5.168	4.978	52.973
53.207	28.810	27.323	21.901	11.823	6.603	5.166	4.984	54.170
54.768	28.580	27.023	22.083	12.061	6.636	5.165	4.994	55.743
56.067	28.423	26.788	22.177	12.259	6.666	5.164	5.004	57.052
57.742	28.264	26.515	22.226	12.516	6.706	5.163	5.019	58.740
59.130	28.165	26.319	22.211	12.728	6.741	5.163	5.032	60.138
60.935	28.074	26.108	22.132	13.000	6.791	5.163	5.052	61.957
62.444	28.024	25.970	22.025	13.225	6.835	5.164	5.069	63.477
64.423	27.988	25.837	21.847	13.511	6.897	5.166	5.093	65.471
66.521	27.974	25.747	21.635	13.799	6.968	5.169	5.119	67.585
68.298	27.976	25.703	21.452	14.028	7.033	5.172	5.141	69.375
70.661	27.989	25.681	21.219	14.305	7.124	5.177	5.170	71.756
72.680	28.007	25.684	21.038	14.512	7.206	5.182	5.195	73.790
75.385	28.037	25.706	20.830	14.743	7.322	5.191	5.227	76.515
77.702	28.065	25.735	20.685	14.896	7.428	5.200	5.254	78.849
80.722	28.104	25.779	20.542	15.037	7.571	5.214	5.285	81.893
83.244	28.134	25.818	20.456	15.108	7.695	5.228	5.309	84.433
86.548	28.168	25.866	20.381	15.148	7.862	5.250	5.339	87.762
89.331	28.190	25.906	20.344	15.147	8.006	5.271	5.363	90.565
93.009	28.210	25.951	20.320	15.110	8.197	5.302	5.391	94.272
96.137	28.221	25.983	20.314	15.060	8.357	5.331	5.413	97.423
100.315	28.229	26.014	20.320	14.976	8.563	5.374	5.440	101.632
103.904	28.233	26.030	20.332	14.898	8.731	5.413	5.461	105.248
108.744	28.236	26.037	20.352	14.792	8.937	5.470	5.486	110.124
112.825	28.238	26.036	20.372	14.708	9.091	5.521	5.503	114.236
118.124	28.243	26.030	20.397	14.609	9.261	5.589	5.521	119.575
122.526	28.245	26.021	20.414	14.538	9.377	5.648	5.535	124.010
128.244	28.248	26.011	20.431	14.461	9.495	5.727	5.551	129.771
132.996	28.250	26.003	20.441	14.411	9.570	5.792	5.564	134.559
139.168	28.254	25.994	20.448	14.360	9.641	5.877	5.578	140.777
144.299	28.258	25.988	20.449	14.327	9.684	5.946	5.589	145.947
150.964	28.262	25.983	20.447	14.295	9.722	6.032	5.603	152.661
156.504	28.266	25.982	20.443	14.274	9.742	6.101	5.613	158.243
163.701	28.271	25.982	20.436	14.253	9.754	6.184	5.627	165.494
169.684	28.274	25.985	20.429	14.239	9.755	6.247	5.637	171.523
177.457	28.277	25.990	20.420	14.225	9.744	6.322	5.649	179.354
183.920	28.279	25.995	20.414	14.217	9.728	6.378	5.659	185.865
192.315	28.282	26.002	20.406	14.208	9.701	6.442	5.669	194.323
201.079	28.285	26.009	20.399	14.201	9.669	6.499	5.679	203.153

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.878	83.776	81.488	75.493	67.922	60.983	56.311	54.678	1.449
1.097	78.719	76.591	71.026	64.003	57.606	53.295	51.789	1.669
1.402	71.827	69.885	64.837	58.510	52.817	49.016	47.695	1.976
1.881	62.275	60.591	56.261	50.917	46.203	43.111	42.044	2.459
2.480	52.919	51.472	47.760	43.329	39.561	37.190	36.401	3.063
3.053	46.408	45.096	41.752	37.863	34.649	32.689	32.047	3.640
3.886	39.598	38.399	35.371	31.980	29.297	27.741	27.255	4.479
4.843	34.423	33.266	30.383	27.254	24.883	23.593	23.218	5.443
5.912	30.647	29.488	26.643	23.639	21.429	20.267	19.940	6.520
7.074	27.960	26.769	23.890	20.920	18.784	17.688	17.385	7.691
8.058	26.408	25.174	22.227	19.243	17.128	16.053	15.757	8.683
9.341	25.037	23.728	20.654	17.512	15.497	14.431	14.136	9.975
10.667	24.156	22.750	19.506	16.370	14.232	13.167	12.871	11.311
12.022	23.651	22.130	18.678	15.415	13.237	12.166	11.869	12.676
13.393	23.438	21.785	18.092	14.677	12.445	11.363	11.064	14.057
14.494	23.433	21.665	17.761	14.208	11.924	10.832	10.531	15.166
15.867	23.593	21.670	17.482	13.740	11.384	10.276	9.973	16.550
17.229	23.913	21.817	17.323	13.377	10.943	9.817	9.512	17.923
18.573	24.381	22.087	17.258	13.096	10.579	9.435	9.128	19.277
19.631	24.857	22.385	17.263	12.920	10.332	9.174	8.866	20.343
20.928	25.572	22.856	17.332	12.748	10.071	8.894	8.584	21.649
22.192	26.412	23.429	17.463	12.621	9.851	8.655	8.344	22.923
23.423	27.363	24.094	17.649	12.532	9.665	8.450	8.139	24.162
24.618	28.408	24.840	17.886	12.475	9.508	8.273	7.961	25.367
25.549	29.299	25.489	18.107	12.449	9.400	8.149	7.837	26.305
26.682	30.466	26.353	18.420	12.438	9.283	8.011	7.699	27.446
27.783	31.674	27.266	18.769	12.448	9.183	7.891	7.577	28.555
28.853	32.905	28.217	19.149	12.477	9.097	7.784	7.471	29.634
29.896	34.141	29.194	19.557	12.521	9.025	7.690	7.376	30.684
30.712	35.120	29.988	19.901	12.566	8.975	7.622	7.308	31.506
31.711	36.319	30.987	20.352	12.634	8.920	7.546	7.231	32.513
32.692	37.474	31.984	20.822	12.713	8.875	7.477	7.162	33.501
33.657	38.570	32.971	21.310	12.803	8.836	7.415	7.100	34.473
34.419	39.395	33.746	21.713	12.882	8.810	7.370	7.055	35.241
35.364	40.348	34.691	22.230	12.989	8.783	7.319	7.003	36.193
36.302	41.204	35.599	22.761	13.104	8.761	7.273	6.956	37.139
37.238	41.951	36.462	23.306	13.227	8.744	7.231	6.914	38.082
38.176	42.579	37.270	23.863	13.359	8.731	7.192	6.876	39.027
38.930	42.991	37.870	24.318	13.471	8.723	7.164	6.849	39.787
39.881	43.389	38.553	24.897	13.618	8.716	7.132	6.817	40.745
40.846	43.656	39.153	25.486	13.774	8.713	7.102	6.789	41.717
41.829	43.792	39.658	26.084	13.941	8.714	7.076	6.763	42.707
42.834	43.803	40.058	26.689	14.117	8.717	7.051	6.741	43.720
43.659	43.726	40.297	27.177	14.267	8.721	7.034	6.725	44.550
44.717	43.535	40.488	27.786	14.464	8.730	7.013	6.708	45.616

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
45.800	43.254	40.558	28.386	14.673	8.741	6.995	6.694	46.707
46.912	42.905	40.509	28.969	14.893	8.754	6.979	6.682	47.828
47.826	42.590	40.390	29.420	15.078	8.766	6.967	6.675	48.749
49.006	42.171	40.148	29.954	15.323	8.784	6.954	6.669	49.938
50.232	41.746	39.819	30.446	15.583	8.805	6.942	6.666	51.173
51.513	41.332	39.421	30.884	15.860	8.828	6.931	6.666	52.463
52.855	40.946	38.977	31.252	16.157	8.856	6.922	6.669	53.816
53.979	40.667	38.605	31.484	16.410	8.880	6.915	6.674	54.948
55.422	40.370	38.152	31.686	16.740	8.913	6.907	6.683	56.403
56.908	40.132	37.729	31.782	17.086	8.951	6.899	6.695	57.899
58.443	39.950	37.351	31.774	17.446	8.993	6.891	6.709	59.446
60.039	39.824	37.026	31.668	17.823	9.041	6.884	6.727	61.053
61.365	39.756	36.810	31.519	18.136	9.085	6.879	6.744	62.390
63.095	39.708	36.597	31.266	18.541	9.146	6.874	6.768	64.133
64.917	39.694	36.448	30.955	18.957	9.217	6.868	6.794	65.969
66.846	39.703	36.360	30.607	19.381	9.300	6.862	6.823	67.912
68.477	39.725	36.329	30.316	19.719	9.376	6.859	6.848	69.556
70.641	39.763	36.332	29.953	20.130	9.485	6.856	6.882	71.736
72.964	39.812	36.371	29.608	20.513	9.611	6.855	6.918	74.076
75.458	39.869	36.434	29.300	20.849	9.759	6.856	6.955	76.589
78.058	39.931	36.511	29.050	21.116	9.924	6.860	6.991	79.208
80.208	39.980	36.576	28.895	21.271	10.069	6.866	7.019	81.374
82.996	40.037	36.656	28.751	21.395	10.267	6.879	7.054	84.183
85.912	40.085	36.737	28.661	21.446	10.486	6.897	7.089	87.121
88.979	40.121	36.814	28.613	21.433	10.725	6.920	7.123	90.211
92.221	40.144	36.884	28.599	21.369	10.985	6.949	7.155	93.478
94.962	40.154	36.932	28.607	21.286	11.207	6.978	7.182	96.239
98.600	40.160	36.978	28.632	21.152	11.499	7.021	7.213	99.905
102.513	40.160	37.004	28.669	20.993	11.802	7.073	7.244	103.847
106.747	40.159	37.010	28.714	20.816	12.110	7.134	7.275	108.112
110.399	40.158	37.001	28.752	20.670	12.352	7.192	7.299	111.792
115.346	40.157	36.980	28.800	20.489	12.640	7.275	7.329	116.776
120.627	40.157	36.955	28.845	20.329	12.894	7.369	7.355	122.097
126.132	40.159	36.933	28.881	20.201	13.103	7.472	7.377	127.643
131.870	40.162	36.913	28.904	20.103	13.267	7.584	7.399	133.425
136.637	40.167	36.900	28.914	20.043	13.368	7.679	7.415	138.227
142.823	40.174	36.887	28.916	19.986	13.463	7.802	7.434	144.459
149.273	40.182	36.879	28.909	19.943	13.526	7.929	7.452	150.958
155.997	40.189	36.876	28.897	19.909	13.562	8.058	7.470	157.733
163.009	40.195	36.880	28.883	19.884	13.572	8.185	7.486	164.797
168.833	40.199	36.886	28.870	19.868	13.561	8.285	7.499	170.665
176.393	40.203	36.896	28.854	19.855	13.527	8.405	7.513	178.281
184.275	40.207	36.908	28.838	19.847	13.474	8.518	7.526	186.223
192.495	40.211	36.919	28.824	19.844	13.411	8.624	7.537	194.505
201.067	40.214	36.930	28.812	19.842	13.344	8.720	7.546	203.141

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	1.835	1.794	1.684	1.544	1.413	1.323	1.291	1.431
.959	1.822	1.779	1.668	1.526	1.394	1.304	1.272	1.530
1.013	1.843	1.801	1.689	1.546	1.413	1.322	1.290	1.585
1.130	1.852	1.810	1.700	1.558	1.427	1.337	1.306	1.703
1.262	1.844	1.803	1.693	1.553	1.425	1.337	1.307	1.837
1.490	1.824	1.782	1.674	1.538	1.413	1.328	1.299	2.066
1.663	1.804	1.763	1.657	1.523	1.401	1.320	1.291	2.241
1.854	1.781	1.740	1.636	1.506	1.388	1.309	1.282	2.434
2.064	1.755	1.715	1.613	1.486	1.372	1.297	1.271	2.646
2.294	1.719	1.681	1.582	1.461	1.353	1.282	1.257	2.879
2.678	1.678	1.640	1.542	1.426	1.326	1.262	1.240	3.267
2.961	1.657	1.619	1.521	1.405	1.309	1.249	1.228	3.552
3.266	1.638	1.601	1.503	1.387	1.292	1.234	1.215	3.860
3.594	1.621	1.584	1.487	1.372	1.276	1.220	1.202	4.191
3.945	1.608	1.571	1.473	1.359	1.264	1.207	1.190	4.546
4.516	1.595	1.557	1.458	1.344	1.251	1.195	1.178	5.122
4.926	1.590	1.551	1.451	1.337	1.245	1.190	1.174	5.537
5.361	1.587	1.548	1.447	1.332	1.241	1.188	1.172	5.976
5.821	1.587	1.548	1.445	1.329	1.238	1.186	1.171	6.440
6.306	1.589	1.549	1.444	1.328	1.236	1.185	1.171	6.930
7.081	1.595	1.554	1.447	1.329	1.237	1.186	1.172	7.713
7.631	1.601	1.559	1.450	1.331	1.238	1.188	1.174	8.267
8.206	1.607	1.564	1.454	1.334	1.241	1.191	1.177	8.849
8.809	1.614	1.571	1.459	1.337	1.245	1.195	1.181	9.457
9.439	1.621	1.577	1.464	1.342	1.248	1.199	1.186	10.093
10.435	1.632	1.588	1.472	1.348	1.255	1.206	1.193	11.100
11.135	1.640	1.594	1.478	1.353	1.259	1.211	1.198	11.806
11.864	1.647	1.601	1.484	1.358	1.264	1.216	1.203	12.542
12.621	1.654	1.608	1.489	1.363	1.268	1.221	1.208	13.307
13.409	1.661	1.614	1.495	1.367	1.273	1.225	1.213	14.102
14.646	1.670	1.623	1.503	1.374	1.279	1.232	1.220	15.352
15.510	1.676	1.629	1.508	1.378	1.283	1.236	1.224	16.225
16.406	1.682	1.634	1.512	1.382	1.287	1.240	1.228	17.129
17.334	1.687	1.639	1.517	1.386	1.290	1.244	1.232	18.066
18.295	1.692	1.644	1.521	1.390	1.294	1.247	1.235	19.036
19.799	1.698	1.650	1.526	1.395	1.298	1.252	1.240	20.555
20.844	1.702	1.654	1.530	1.398	1.301	1.254	1.243	21.611
21.926	1.706	1.657	1.533	1.400	1.304	1.257	1.245	22.703
23.043	1.709	1.660	1.536	1.403	1.306	1.259	1.248	23.831
24.197	1.712	1.663	1.539	1.406	1.308	1.261	1.250	24.996
25.998	1.716	1.667	1.543	1.409	1.311	1.264	1.253	26.816
27.248	1.719	1.670	1.545	1.411	1.313	1.266	1.254	28.077
28.537	1.721	1.672	1.547	1.413	1.315	1.268	1.256	29.380
29.867	1.723	1.674	1.549	1.415	1.317	1.269	1.257	30.723
31.239	1.725	1.676	1.551	1.416	1.318	1.270	1.258	32.108

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.378	1.728	1.679	1.554	1.419	1.320	1.272	1.260	34.268
34.859	1.730	1.681	1.555	1.420	1.321	1.273	1.261	35.764
36.386	1.731	1.682	1.557	1.422	1.322	1.274	1.262	37.306
37.960	1.733	1.683	1.558	1.423	1.323	1.275	1.263	38.895
39.583	1.734	1.685	1.560	1.424	1.324	1.276	1.264	40.533
42.110	1.736	1.686	1.561	1.425	1.326	1.277	1.265	43.085
43.859	1.737	1.688	1.562	1.426	1.327	1.278	1.265	44.852
45.662	1.738	1.689	1.563	1.427	1.327	1.278	1.266	46.672
47.520	1.738	1.689	1.564	1.428	1.328	1.279	1.266	48.549
49.435	1.739	1.690	1.565	1.429	1.329	1.279	1.267	50.483
52.419	1.740	1.691	1.566	1.430	1.330	1.280	1.268	53.496
54.486	1.741	1.692	1.567	1.431	1.330	1.281	1.268	55.584
56.617	1.741	1.693	1.568	1.431	1.331	1.281	1.268	57.736
58.815	1.742	1.693	1.569	1.432	1.331	1.281	1.269	59.955
61.082	1.742	1.694	1.569	1.433	1.332	1.282	1.269	62.244
64.617	1.743	1.694	1.570	1.433	1.332	1.282	1.269	65.814
67.068	1.743	1.695	1.571	1.434	1.333	1.283	1.270	68.289
69.598	1.743	1.695	1.571	1.434	1.333	1.283	1.270	70.844
72.209	1.744	1.695	1.571	1.435	1.333	1.283	1.270	73.480
74.904	1.744	1.696	1.572	1.435	1.334	1.283	1.270	76.202
79.112	1.744	1.696	1.573	1.436	1.334	1.284	1.271	80.452
82.033	1.744	1.696	1.573	1.436	1.335	1.284	1.271	83.401
85.048	1.744	1.697	1.573	1.436	1.335	1.284	1.271	86.446
88.163	1.744	1.697	1.574	1.437	1.335	1.284	1.271	89.592
91.381	1.745	1.697	1.574	1.437	1.335	1.285	1.271	92.841
96.408	1.745	1.697	1.574	1.437	1.336	1.285	1.271	97.918
99.899	1.745	1.697	1.574	1.437	1.336	1.285	1.272	101.443
103.505	1.745	1.698	1.575	1.438	1.336	1.285	1.272	105.085
107.232	1.745	1.698	1.575	1.438	1.336	1.285	1.272	108.847
111.082	1.745	1.698	1.575	1.438	1.336	1.285	1.272	112.736
117.100	1.745	1.698	1.575	1.438	1.337	1.286	1.272	118.812
121.279	1.745	1.698	1.576	1.439	1.337	1.286	1.272	123.033
125.598	1.746	1.698	1.576	1.439	1.337	1.286	1.272	127.394
130.061	1.746	1.698	1.576	1.439	1.337	1.286	1.272	131.901
134.673	1.746	1.698	1.576	1.439	1.337	1.286	1.272	136.559
141.883	1.746	1.698	1.576	1.439	1.337	1.286	1.273	143.839
146.891	1.746	1.698	1.576	1.439	1.337	1.286	1.273	148.896
152.066	1.746	1.698	1.576	1.440	1.337	1.286	1.273	154.122
157.415	1.746	1.698	1.577	1.440	1.338	1.286	1.273	159.523
162.942	1.746	1.699	1.577	1.440	1.338	1.286	1.273	165.106
171.583	1.746	1.699	1.577	1.440	1.338	1.287	1.273	173.831
177.586	1.746	1.699	1.577	1.440	1.338	1.287	1.273	179.893
183.790	1.746	1.699	1.577	1.440	1.338	1.287	1.273	186.158
190.202	1.746	1.699	1.577	1.440	1.338	1.287	1.273	192.633
200.225	1.747	1.699	1.577	1.441	1.338	1.287	1.273	202.754

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.861	3.111	3.035	2.833	2.577	2.340	2.179	2.121	1.431
.963	3.055	2.979	2.778	2.521	2.285	2.125	2.069	1.534
1.021	3.060	2.984	2.786	2.532	2.298	2.139	2.083	1.593
1.223	2.981	2.908	2.716	2.474	2.252	2.102	2.050	1.797
1.383	2.910	2.838	2.651	2.415	2.201	2.057	2.006	1.958
1.565	2.827	2.757	2.577	2.349	2.144	2.006	1.958	2.142
1.879	2.691	2.624	2.452	2.239	2.048	1.922	1.878	2.459
2.113	2.600	2.535	2.368	2.163	1.981	1.863	1.822	2.696
2.504	2.455	2.393	2.235	2.044	1.879	1.775	1.740	3.091
2.794	2.376	2.315	2.158	1.972	1.814	1.716	1.684	3.384
3.108	2.305	2.245	2.090	1.907	1.754	1.660	1.629	3.701
3.625	2.213	2.154	2.000	1.822	1.674	1.584	1.555	4.222
4.000	2.165	2.105	1.950	1.772	1.627	1.540	1.512	4.601
4.609	2.109	2.048	1.889	1.710	1.567	1.483	1.458	5.216
5.047	2.083	2.020	1.859	1.678	1.534	1.451	1.426	5.658
5.510	2.063	1.999	1.835	1.651	1.506	1.424	1.399	6.126
6.251	2.047	1.980	1.810	1.621	1.474	1.391	1.366	6.875
6.778	2.044	1.975	1.800	1.607	1.458	1.374	1.349	7.406
7.614	2.048	1.975	1.793	1.594	1.441	1.356	1.331	8.251
8.205	2.055	1.980	1.793	1.589	1.434	1.348	1.323	8.847
8.821	2.066	1.989	1.796	1.588	1.429	1.342	1.317	9.470
9.796	2.087	2.006	1.806	1.590	1.426	1.338	1.312	10.454
10.481	2.103	2.021	1.815	1.593	1.427	1.337	1.312	11.146
11.562	2.131	2.045	1.831	1.602	1.431	1.340	1.314	12.237
12.320	2.150	2.062	1.843	1.609	1.435	1.343	1.317	13.003
13.109	2.170	2.080	1.857	1.618	1.440	1.347	1.321	13.800
14.350	2.199	2.107	1.877	1.631	1.449	1.355	1.328	15.053
15.207	2.218	2.124	1.891	1.641	1.456	1.360	1.334	15.918
16.537	2.245	2.149	1.911	1.655	1.466	1.370	1.344	17.261
17.452	2.262	2.165	1.924	1.665	1.474	1.376	1.350	18.185
18.390	2.278	2.180	1.937	1.674	1.481	1.383	1.357	19.132
19.840	2.299	2.201	1.954	1.688	1.491	1.393	1.367	20.597
20.635	2.312	2.213	1.965	1.696	1.498	1.399	1.373	21.602
21.854	2.324	2.225	1.975	1.704	1.504	1.405	1.380	22.630
23.425	2.341	2.240	1.990	1.715	1.513	1.414	1.389	24.217
24.501	2.350	2.250	1.998	1.722	1.519	1.419	1.394	25.304
26.160	2.363	2.263	2.010	1.732	1.527	1.427	1.402	26.979
27.296	2.371	2.270	2.017	1.738	1.532	1.432	1.407	28.126
28.456	2.378	2.277	2.024	1.744	1.537	1.436	1.412	29.297
30.241	2.388	2.287	2.033	1.752	1.543	1.442	1.418	31.100
31.452	2.394	2.293	2.039	1.757	1.547	1.446	1.422	32.333
33.342	2.401	2.301	2.046	1.763	1.553	1.451	1.427	34.232
34.628	2.406	2.305	2.051	1.768	1.556	1.454	1.430	35.531
35.942	2.410	2.310	2.055	1.771	1.560	1.457	1.433	36.857
37.965	2.416	2.315	2.061	1.777	1.564	1.461	1.437	38.900

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.351	2.419	2.319	2.065	1.780	1.567	1.463	1.439	40.299
41.488	2.423	2.324	2.070	1.785	1.571	1.467	1.443	42.457
42.953	2.426	2.326	2.073	1.788	1.573	1.469	1.444	43.937
44.454	2.428	2.329	2.076	1.790	1.576	1.471	1.446	45.452
46.772	2.431	2.332	2.080	1.794	1.579	1.473	1.449	47.794
48.366	2.433	2.335	2.083	1.796	1.581	1.475	1.450	49.403
50.833	2.435	2.337	2.086	1.800	1.584	1.477	1.452	51.894
52.530	2.436	2.339	2.088	1.802	1.586	1.479	1.453	53.608
54.272	2.437	2.340	2.090	1.803	1.587	1.480	1.455	55.367
56.972	2.438	2.342	2.093	1.806	1.590	1.482	1.456	58.094
58.833	2.438	2.342	2.094	1.808	1.591	1.483	1.457	59.973
61.719	2.439	2.344	2.096	1.810	1.593	1.485	1.459	62.887
63.708	2.439	2.344	2.098	1.811	1.595	1.486	1.459	64.896
65.752	2.439	2.345	2.099	1.813	1.596	1.487	1.460	66.960
68.924	2.440	2.345	2.101	1.814	1.597	1.488	1.461	70.163
71.111	2.440	2.346	2.102	1.815	1.599	1.489	1.462	72.372
73.359	2.440	2.346	2.103	1.816	1.599	1.490	1.463	74.642
76.849	2.440	2.347	2.104	1.818	1.601	1.491	1.464	78.166
79.257	2.441	2.347	2.105	1.819	1.602	1.492	1.464	80.597
82.995	2.441	2.347	2.106	1.820	1.603	1.493	1.465	84.373
85.575	2.441	2.347	2.106	1.821	1.604	1.493	1.466	86.978
88.227	2.441	2.348	2.107	1.822	1.604	1.494	1.466	89.656
92.345	2.441	2.348	2.107	1.823	1.605	1.495	1.467	93.815
95.188	2.441	2.348	2.108	1.824	1.606	1.495	1.467	96.685
99.603	2.441	2.348	2.108	1.825	1.606	1.496	1.468	101.144
102.651	2.441	2.348	2.109	1.825	1.607	1.496	1.468	104.221
105.785	2.441	2.348	2.109	1.826	1.607	1.497	1.469	107.386
110.653	2.442	2.348	2.109	1.827	1.608	1.497	1.469	112.302
114.013	2.442	2.348	2.109	1.828	1.608	1.498	1.469	115.695
119.233	2.442	2.348	2.109	1.829	1.609	1.498	1.470	120.967
122.837	2.442	2.348	2.109	1.829	1.609	1.499	1.470	124.607
126.544	2.442	2.348	2.109	1.830	1.609	1.499	1.470	128.349
132.302	2.442	2.348	2.109	1.831	1.610	1.499	1.470	134.164
136.277	2.442	2.348	2.109	1.831	1.610	1.499	1.471	138.178
142.453	2.443	2.348	2.109	1.832	1.611	1.500	1.471	144.415
146.717	2.443	2.348	2.109	1.832	1.611	1.500	1.471	148.720
151.102	2.443	2.348	2.109	1.832	1.611	1.500	1.471	153.149
157.915	2.443	2.348	2.109	1.833	1.612	1.500	1.471	160.028
162.619	2.443	2.348	2.109	1.833	1.612	1.500	1.471	164.779
169.927	2.443	2.348	2.109	1.833	1.613	1.501	1.472	172.158
174.972	2.443	2.348	2.109	1.833	1.613	1.501	1.472	177.254
180.162	2.444	2.348	2.109	1.834	1.613	1.501	1.472	182.494
188.225	2.444	2.348	2.108	1.834	1.614	1.501	1.472	190.636
193.792	2.444	2.348	2.108	1.834	1.614	1.501	1.472	196.258
202.441	2.444	2.348	2.108	1.834	1.615	1.501	1.472	204.993

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	10.536	10.258	9.531	8.606	7.759	7.184	6.984	1.431
1.013	10.160	9.893	9.191	8.300	7.484	6.932	6.739	1.585
1.146	9.831	9.573	8.898	8.047	7.273	6.751	6.569	1.719
1.373	9.263	9.019	8.385	7.588	6.868	6.387	6.219	1.948
1.732	8.429	8.207	7.632	6.918	6.282	5.862	5.716	2.311
2.047	7.802	7.593	7.059	6.402	5.827	5.451	5.322	2.629
2.403	7.180	6.986	6.488	5.890	5.378	5.053	4.944	2.988
2.802	6.636	6.451	5.978	5.422	4.954	4.663	4.567	3.391
3.402	6.003	5.827	5.381	4.866	4.444	4.188	4.104	3.997
3.902	5.612	5.439	5.000	4.504	4.106	3.872	3.798	4.502
4.443	5.292	5.118	4.680	4.193	3.810	3.590	3.523	5.049
5.024	5.036	4.859	4.417	3.932	3.556	3.344	3.280	5.635
5.854	4.780	4.596	4.142	3.652	3.279	3.072	3.010	6.474
6.515	4.642	4.452	3.984	3.485	3.110	2.904	2.843	7.141
7.204	4.544	4.345	3.860	3.350	2.969	2.762	2.701	7.837
7.919	4.478	4.270	3.766	3.240	2.852	2.645	2.581	8.559
8.908	4.435	4.211	3.677	3.127	2.728	2.513	2.450	9.557
9.672	4.430	4.194	3.634	3.063	2.653	2.434	2.370	10.329
10.454	4.446	4.196	3.607	3.014	2.591	2.388	2.303	11.119
11.251	4.479	4.214	3.595	2.977	2.541	2.313	2.246	11.924
12.335	4.547	4.261	3.599	2.943	2.488	2.253	2.185	13.019
13.163	4.612	4.310	3.613	2.929	2.457	2.216	2.147	13.854
14.002	4.688	4.369	3.637	2.921	2.433	2.186	2.115	14.701
14.851	4.772	4.437	3.668	2.920	2.414	2.161	2.089	15.559
15.998	4.894	4.537	3.721	2.928	2.397	2.134	2.061	16.717
16.869	4.992	4.619	3.766	2.939	2.389	2.119	2.044	17.597
17.749	5.093	4.704	3.816	2.955	2.385	2.108	2.031	18.485
18.637	5.196	4.793	3.870	2.974	2.383	2.099	2.020	19.382
19.833	5.335	4.913	3.946	3.003	2.386	2.091	2.011	20.590
20.739	5.438	5.004	4.005	3.028	2.390	2.088	2.006	21.505
21.652	5.540	5.094	4.066	3.056	2.397	2.087	2.003	22.427
22.882	5.670	5.212	4.148	3.095	2.408	2.088	2.003	23.669
23.814	5.763	5.297	4.209	3.125	2.418	2.091	2.004	24.610
24.754	5.852	5.380	4.271	3.157	2.430	2.095	2.007	25.559
25.703	5.937	5.459	4.331	3.189	2.442	2.100	2.011	26.517
26.984	6.041	5.559	4.410	3.233	2.460	2.108	2.017	27.811
27.960	6.113	5.629	4.467	3.267	2.474	2.115	2.024	28.796
28.949	6.180	5.696	4.523	3.301	2.489	2.123	2.031	29.795
29.955	6.242	5.758	4.577	3.334	2.505	2.132	2.039	30.811
31.328	6.315	5.836	4.646	3.379	2.526	2.144	2.051	32.197
32.384	6.363	5.889	4.696	3.413	2.543	2.155	2.060	33.265
33.469	6.404	5.937	4.744	3.446	2.560	2.165	2.071	34.359
34.584	6.437	5.980	4.790	3.479	2.577	2.176	2.082	35.486
36.127	6.470	6.030	4.848	3.523	2.601	2.192	2.097	37.044
37.332	6.486	6.060	4.890	3.555	2.619	2.204	2.109	38.261

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
38.583	6.494	6.083	4.929	3.587	2.638	2.216	2.122	39.524
39.884	6.495	6.099	4.966	3.618	2.657	2.229	2.135	40.838
41.705	6.489	6.109	5.012	3.659	2.682	2.246	2.153	42.677
43.143	6.481	6.110	5.042	3.688	2.701	2.259	2.167	44.129
44.650	6.472	6.106	5.069	3.717	2.721	2.272	2.182	45.650
46.230	6.462	6.099	5.092	3.745	2.740	2.286	2.196	47.246
48.462	6.450	6.087	5.115	3.781	2.766	2.303	2.215	49.500
50.240	6.441	6.079	5.126	3.807	2.785	2.316	2.230	51.295
52.110	6.433	6.070	5.133	3.831	2.804	2.329	2.244	53.184
54.047	6.425	6.063	5.135	3.854	2.823	2.342	2.257	55.140
56.724	6.417	6.055	5.134	3.883	2.847	2.358	2.274	57.843
58.806	6.411	6.049	5.131	3.903	2.864	2.369	2.286	59.946
60.955	6.406	6.044	5.126	3.921	2.881	2.381	2.297	62.116
63.174	6.402	6.039	5.122	3.938	2.896	2.391	2.308	64.357
66.245	6.397	6.034	5.117	3.957	2.916	2.405	2.320	67.458
68.635	6.395	6.030	5.113	3.969	2.930	2.415	2.329	69.872
71.103	6.393	6.027	5.110	3.979	2.944	2.424	2.337	72.364
74.519	6.392	6.023	5.105	3.988	2.960	2.436	2.346	75.813
77.177	6.392	6.021	5.102	3.993	2.972	2.444	2.353	78.497
79.920	6.393	6.020	5.099	3.997	2.983	2.452	2.359	81.268
82.753	6.393	6.019	5.096	3.999	2.993	2.460	2.364	84.128
86.671	6.395	6.018	5.092	4.001	3.007	2.470	2.371	88.085
89.721	6.395	6.018	5.089	4.002	3.016	2.477	2.375	91.164
92.868	6.396	6.019	5.086	4.002	3.025	2.484	2.379	94.343
96.117	6.397	6.019	5.084	4.003	3.034	2.490	2.383	97.623
100.611	6.399	6.019	5.081	4.002	3.044	2.499	2.387	102.162
104.108	6.400	6.020	5.079	4.002	3.051	2.504	2.390	105.693
107.718	6.401	6.020	5.077	4.001	3.058	2.510	2.393	109.339
111.444	6.402	6.020	5.075	4.000	3.064	2.515	2.396	113.101
116.598	6.404	6.021	5.074	3.999	3.070	2.521	2.399	118.305
120.609	6.405	6.021	5.072	3.997	3.075	2.526	2.401	122.356
124.748	6.406	6.022	5.071	3.996	3.078	2.530	2.403	126.536
129.021	6.407	6.022	5.070	3.994	3.082	2.534	2.405	130.851
134.934	6.408	6.023	5.069	3.992	3.085	2.539	2.408	136.822
139.535	6.409	6.024	5.068	3.991	3.088	2.543	2.410	141.468
144.285	6.410	6.024	5.068	3.989	3.090	2.546	2.411	146.264
149.188	6.411	6.025	5.067	3.987	3.091	2.549	2.413	151.216
155.972	6.411	6.026	5.066	3.985	3.093	2.553	2.415	158.067
161.252	6.412	6.026	5.066	3.983	3.094	2.556	2.416	163.399
166.704	6.413	6.027	5.065	3.982	3.096	2.558	2.417	168.904
172.331	6.413	6.027	5.065	3.980	3.096	2.561	2.418	174.586
180.119	6.414	6.028	5.065	3.978	3.097	2.563	2.419	182.451
186.180	6.414	6.029	5.065	3.977	3.098	2.565	2.419	188.572
192.438	6.415	6.029	5.065	3.975	3.098	2.567	2.420	194.891
201.099	6.415	6.030	5.065	3.974	3.098	2.569	2.421	203.637

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	22.900	22.287	20.684	18.650	16.787	15.526	15.088	1.431
1.010	22.007	21.421	19.880	17.927	16.140	14.933	14.512	1.582
1.209	20.813	20.257	18.808	16.986	15.337	14.231	13.845	1.783
1.528	18.978	18.471	17.159	15.520	14.050	13.072	12.731	2.105
1.912	17.054	16.594	15.415	13.961	12.680	11.841	11.551	2.493
2.364	15.172	14.758	13.695	12.418	11.323	10.628	10.395	2.949
2.890	13.536	13.152	12.173	11.024	10.062	9.466	9.268	3.480
3.489	12.134	11.772	10.852	9.799	8.942	8.425	8.257	4.085
4.157	11.009	10.653	9.758	8.760	7.972	7.517	7.376	4.760
4.891	10.137	9.779	8.888	7.914	7.163	6.741	6.614	5.501
5.682	9.481	9.114	8.211	7.241	6.507	6.102	5.981	6.300
6.522	9.003	8.621	7.691	6.710	5.980	5.583	5.466	7.148
7.402	8.667	8.265	7.298	6.294	5.558	5.162	5.046	8.037
8.315	8.446	8.019	7.005	5.969	5.220	4.821	4.704	8.958
9.252	8.318	7.862	6.792	5.716	4.949	4.544	4.426	9.905
10.209	8.267	7.777	6.642	5.518	4.730	4.318	4.198	10.871
11.180	8.280	7.753	6.545	5.366	4.553	4.133	4.011	11.852
12.160	8.345	7.778	6.490	5.251	4.408	3.979	3.855	12.841
13.145	8.454	7.844	6.470	5.165	4.291	3.851	3.724	13.837
14.133	8.599	7.944	6.480	5.104	4.195	3.744	3.615	14.834
15.120	8.774	8.072	6.513	5.062	4.118	3.654	3.523	15.830
16.103	8.977	8.224	6.567	5.038	4.056	3.579	3.445	16.823
17.080	9.203	8.398	6.638	5.028	4.006	3.516	3.379	17.810
18.050	9.450	8.591	6.724	5.029	3.967	3.463	3.324	18.789
19.011	9.715	8.800	6.822	5.041	3.936	3.419	3.277	19.759
19.961	9.994	9.023	6.932	5.061	3.913	3.383	3.238	20.719
20.902	10.283	9.257	7.051	5.088	3.896	3.352	3.205	21.669
21.831	10.577	9.500	7.179	5.121	3.885	3.327	3.177	22.608
22.751	10.873	9.748	7.314	5.160	3.878	3.306	3.154	23.536
23.661	11.166	9.998	7.455	5.204	3.876	3.289	3.135	24.455
24.563	11.452	10.247	7.601	5.252	3.876	3.276	3.120	25.366
25.459	11.729	10.494	7.752	5.303	3.880	3.266	3.107	26.271
26.349	11.993	10.735	7.905	5.358	3.887	3.258	3.097	27.170
27.237	12.242	10.969	8.059	5.417	3.896	3.252	3.089	28.067
28.125	12.475	11.195	8.216	5.478	3.907	3.249	3.084	28.963
29.015	12.687	11.409	8.372	5.542	3.920	3.247	3.080	29.862
29.910	12.878	11.612	8.529	5.609	3.935	3.247	3.078	30.765
30.813	13.046	11.801	8.684	5.678	3.952	3.248	3.078	31.677
31.727	13.187	11.974	8.838	5.749	3.970	3.251	3.079	32.601
32.657	13.302	12.129	8.991	5.823	3.991	3.256	3.082	33.540
33.605	13.390	12.265	9.140	5.899	4.013	3.262	3.086	34.497
34.575	13.449	12.379	9.287	5.978	4.036	3.269	3.092	35.476
35.571	13.482	12.471	9.430	6.058	4.062	3.277	3.099	36.482
36.598	13.491	12.538	9.567	6.141	4.089	3.287	3.108	37.519
37.660	13.478	12.580	9.698	6.225	4.118	3.298	3.118	38.592

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
38.483	13.457	12.597	9.791	6.290	4.141	3.308	3.127	39.423
39.618	13.417	12.599	9.908	6.378	4.173	3.321	3.139	40.570
40.798	13.367	12.581	10.013	6.467	4.207	3.336	3.154	41.761
42.027	13.311	12.548	10.104	6.557	4.242	3.352	3.170	43.002
43.310	13.252	12.502	10.181	6.647	4.279	3.369	3.188	44.298
44.655	13.192	12.448	10.240	6.739	4.319	3.388	3.207	45.656
46.069	13.135	12.389	10.280	6.830	4.360	3.407	3.229	47.083
47.560	13.082	12.329	10.301	6.922	4.403	3.429	3.252	48.590
49.138	13.035	12.270	10.304	7.014	4.448	3.451	3.277	50.183
50.803	12.996	12.216	10.291	7.104	4.495	3.474	3.303	51.864
52.553	12.964	12.169	10.264	7.191	4.543	3.498	3.331	53.631
54.400	12.938	12.130	10.228	7.274	4.594	3.523	3.360	55.497
56.357	12.920	12.098	10.185	7.351	4.646	3.548	3.390	57.473
58.438	12.907	12.074	10.140	7.420	4.701	3.575	3.422	59.574
60.657	12.899	12.056	10.095	7.480	4.757	3.602	3.454	61.815
63.031	12.897	12.045	10.052	7.528	4.816	3.630	3.487	64.212
65.579	12.898	12.039	10.015	7.564	4.877	3.659	3.520	66.785
68.319	12.902	12.038	9.983	7.586	4.939	3.689	3.553	69.552
71.240	12.908	12.041	9.957	7.596	5.002	3.719	3.584	72.502
74.279	12.915	12.047	9.939	7.596	5.064	3.749	3.613	75.570
77.431	12.923	12.054	9.925	7.589	5.123	3.779	3.639	78.754
80.703	12.930	12.061	9.916	7.579	5.178	3.810	3.664	82.058
84.096	12.937	12.068	9.909	7.566	5.230	3.840	3.685	85.485
87.617	12.943	12.074	9.906	7.552	5.276	3.870	3.705	89.040
91.270	12.948	12.079	9.904	7.538	5.317	3.900	3.722	92.728
95.059	12.953	12.082	9.904	7.524	5.351	3.930	3.738	96.555
98.991	12.957	12.085	9.904	7.511	5.380	3.959	3.752	100.526
103.071	12.960	12.087	9.905	7.499	5.403	3.988	3.764	104.646
107.306	12.963	12.089	9.905	7.487	5.420	4.015	3.775	108.922
111.701	12.965	12.089	9.906	7.477	5.434	4.041	3.785	113.360
116.262	12.967	12.090	9.906	7.467	5.444	4.066	3.794	117.967
120.997	12.969	12.090	9.906	7.458	5.452	4.089	3.802	122.748
125.913	12.971	12.091	9.906	7.450	5.458	4.110	3.810	127.712
131.016	12.972	12.091	9.905	7.444	5.461	4.130	3.816	132.866
136.315	12.973	12.092	9.904	7.438	5.464	4.147	3.823	138.216
141.816	12.975	12.092	9.903	7.433	5.465	4.162	3.828	143.772
147.528	12.976	12.093	9.902	7.428	5.465	4.175	3.833	149.540
153.459	12.977	12.094	9.901	7.424	5.464	4.186	3.837	155.529
159.617	12.978	12.096	9.900	7.420	5.463	4.196	3.841	161.748
166.012	12.979	12.097	9.900	7.417	5.461	4.204	3.843	168.206
172.653	12.980	12.098	9.899	7.413	5.459	4.211	3.845	174.912
179.549	12.981	12.100	9.899	7.410	5.456	4.217	3.846	181.875
186.709	12.982	12.101	9.899	7.406	5.453	4.223	3.847	189.106
194.146	12.983	12.103	9.899	7.403	5.450	4.228	3.848	196.615
201.868	12.983	12.104	9.899	7.400	5.448	4.233	3.849	204.413

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	40.209	39.126	36.297	32.709	29.425	27.204	26.431	1.431
1.071	37.925	36.913	34.264	30.917	27.864	25.804	25.084	1.643
1.357	34.845	33.911	31.481	28.433	25.686	23.850	23.211	1.932
1.704	31.438	30.593	28.412	25.706	23.299	21.708	21.156	2.283
2.232	27.171	26.436	24.538	22.237	20.249	18.976	18.546	2.816
2.733	24.146	23.464	21.725	19.676	17.952	16.878	16.521	3.322
3.461	20.933	20.307	18.719	16.902	15.422	14.528	14.237	4.057
4.120	18.898	18.287	16.753	15.041	13.691	12.911	12.668	4.723
5.032	16.970	16.357	14.838	13.187	11.922	11.216	11.004	5.643
6.025	15.609	14.976	13.429	11.785	10.556	9.885	9.687	6.646
6.867	14.840	14.180	12.588	10.924	9.698	9.040	8.847	7.496
7.965	14.187	13.482	11.809	10.096	8.858	8.199	8.007	8.606
8.871	13.861	13.112	11.355	9.588	8.329	7.666	7.472	9.520
10.026	13.647	12.832	10.951	9.098	7.804	7.131	6.935	10.687
10.962	13.600	12.726	10.731	8.797	7.468	6.784	6.586	11.632
12.139	13.667	12.711	10.558	8.509	7.130	6.430	6.228	12.820
13.081	13.799	12.774	10.485	8.336	6.911	6.196	5.992	13.771
14.253	14.046	12.928	10.459	8.175	6.688	5.954	5.745	14.955
15.415	14.368	13.151	10.491	8.064	6.511	5.756	5.543	16.128
16.332	14.677	13.372	10.550	8.003	6.396	5.624	5.407	17.054
17.461	15.122	13.698	10.659	7.957	6.279	5.485	5.264	18.195
18.348	15.520	13.995	10.771	7.939	6.203	5.391	5.167	19.090
19.435	16.066	14.407	10.938	7.936	6.126	5.292	5.063	20.188
20.287	16.535	14.767	11.091	7.947	6.076	5.224	4.993	21.048
21.329	17.149	15.247	11.305	7.975	6.026	5.152	4.917	22.101
22.347	17.784	15.753	11.540	8.017	5.989	5.092	4.853	23.129
23.145	18.300	16.172	11.742	8.059	5.965	5.051	4.809	23.934
24.123	18.942	16.705	12.011	8.121	5.944	5.007	4.762	24.922
24.892	19.448	17.135	12.235	8.178	5.932	4.976	4.729	25.698
25.838	20.063	17.671	12.528	8.256	5.923	4.944	4.693	26.654
26.586	20.533	18.095	12.769	8.325	5.920	4.922	4.669	27.409
27.511	21.088	18.613	13.079	8.417	5.920	4.899	4.642	28.343
28.246	21.500	19.013	13.332	8.496	5.924	4.883	4.624	29.085
29.161	21.968	19.493	13.653	8.601	5.933	4.866	4.604	30.009
30.075	22.380	19.943	13.979	8.711	5.945	4.854	4.588	30.933
30.809	22.665	20.278	14.241	8.804	5.958	4.845	4.578	31.674
31.733	22.961	20.661	14.571	8.926	5.977	4.838	4.567	32.607
32.481	23.149	20.935	14.835	9.028	5.994	4.834	4.560	33.362
33.428	23.322	21.234	15.164	9.162	6.019	4.831	4.555	34.318
34.200	23.411	21.434	15.424	9.273	6.042	4.830	4.552	35.098
35.186	23.466	21.633	15.745	9.418	6.073	4.832	4.551	36.094
36.202	23.462	21.773	16.058	9.569	6.107	4.836	4.552	37.120
37.039	23.421	21.842	16.300	9.696	6.137	4.842	4.556	37.965
38.120	23.330	21.875	16.588	9.860	6.178	4.850	4.562	39.057
39.011	23.231	21.862	16.803	9.996	6.213	4.859	4.569	39.956

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
40.161	23.084	21.800	17.047	10.172	6.259	4.872	4.581	41.118
41.115	22.953	21.720	17.220	10.318	6.299	4.884	4.593	42.081
42.357	22.783	21.588	17.403	10.506	6.351	4.901	4.610	43.335
43.394	22.648	21.462	17.520	10.661	6.396	4.917	4.626	44.383
44.755	22.488	21.289	17.624	10.861	6.456	4.939	4.649	45.757
46.188	22.346	21.111	17.680	11.066	6.521	4.963	4.677	47.204
47.376	22.249	20.976	17.689	11.232	6.575	4.983	4.701	48.403
48.919	22.149	20.821	17.660	11.439	6.646	5.010	4.733	49.962
50.208	22.087	20.712	17.608	11.604	6.706	5.033	4.762	51.263
51.897	22.028	20.599	17.512	11.806	6.787	5.064	4.801	52.969
53.319	21.996	20.527	17.417	11.962	6.855	5.090	4.835	54.404
55.197	21.972	20.460	17.284	12.147	6.947	5.124	4.881	56.301
57.204	21.962	20.419	17.144	12.315	7.048	5.160	4.930	58.329
58.916	21.963	20.401	17.034	12.432	7.134	5.191	4.972	60.057
61.204	21.971	20.395	16.908	12.552	7.251	5.231	5.027	62.367
63.132	21.983	20.401	16.821	12.624	7.351	5.265	5.072	64.314
65.654	22.003	20.417	16.734	12.680	7.482	5.309	5.129	66.861
67.774	22.022	20.434	16.680	12.700	7.591	5.346	5.175	69.002
70.570	22.045	20.458	16.633	12.699	7.734	5.395	5.233	71.825
72.940	22.064	20.479	16.609	12.680	7.850	5.437	5.278	74.218
76.094	22.083	20.507	16.592	12.640	7.998	5.493	5.335	77.404
79.494	22.099	20.532	16.587	12.587	8.144	5.554	5.391	80.838
82.418	22.109	20.550	16.590	12.540	8.257	5.606	5.435	83.790
86.364	22.118	20.566	16.598	12.479	8.388	5.676	5.488	87.775
89.749	22.123	20.574	16.609	12.430	8.481	5.736	5.527	91.193
94.141	22.129	20.579	16.624	12.377	8.577	5.812	5.570	95.629
97.725	22.134	20.581	16.636	12.341	8.637	5.873	5.600	99.247
102.288	22.139	20.580	16.649	12.302	8.693	5.948	5.632	103.855
106.961	22.142	20.578	16.658	12.272	8.732	6.020	5.661	108.574
110.792	22.144	20.576	16.663	12.252	8.754	6.076	5.681	112.442
115.711	22.146	20.574	16.666	12.233	8.773	6.141	5.704	117.410
119.763	22.148	20.572	16.666	12.221	8.781	6.190	5.720	121.502
124.993	22.150	20.570	16.665	12.209	8.786	6.246	5.737	126.783
129.321	22.151	20.569	16.663	12.201	8.785	6.286	5.748	131.154
134.932	22.153	20.569	16.660	12.194	8.779	6.331	5.760	136.820
139.594	22.155	20.569	16.656	12.189	8.771	6.363	5.768	141.528
145.660	22.156	20.571	16.652	12.184	8.757	6.397	5.775	147.653
152.011	22.158	20.573	16.648	12.180	8.742	6.426	5.779	154.067
157.316	22.159	20.575	16.644	12.178	8.729	6.446	5.780	159.424
164.248	22.161	20.578	16.641	12.174	8.713	6.468	5.781	166.425
170.054	22.162	20.581	16.638	12.171	8.702	6.484	5.780	172.287
177.662	22.163	20.584	16.636	12.167	8.689	6.500	5.779	179.970
184.050	22.165	20.587	16.635	12.164	8.680	6.512	5.778	186.421
192.445	22.166	20.590	16.634	12.159	8.671	6.524	5.778	194.898
201.336	22.168	20.593	16.635	12.154	8.663	6.534	5.779	203.877

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	62.467	60.781	56.368	50.787	45.681	42.220	41.008	1.431
1.136	57.725	56.177	52.135	47.044	42.425	39.317	38.233	1.709
1.435	52.726	51.310	47.633	43.032	38.893	36.134	35.175	2.011
1.898	46.021	44.774	41.569	37.625	34.146	31.871	31.085	2.479
2.466	39.579	38.479	35.667	32.317	29.466	27.670	27.069	3.053
3.146	34.136	33.146	30.622	27.692	25.266	23.778	23.286	3.739
3.933	29.783	28.840	26.466	23.804	21.689	20.453	20.065	4.534
4.819	26.533	25.596	23.272	20.733	18.780	17.684	17.353	5.428
5.789	24.205	23.245	20.897	18.393	16.515	15.488	15.183	6.408
6.825	22.592	21.587	19.165	16.637	14.778	13.780	13.489	7.454
7.910	21.522	20.452	17.914	15.321	13.449	12.455	12.166	8.550
9.029	20.867	19.714	17.021	14.331	12.425	11.425	11.134	9.680
10.170	20.533	19.280	16.400	13.583	11.628	10.615	10.321	10.832
11.322	20.450	19.083	15.986	13.019	11.001	9.970	9.671	11.996
12.477	20.559	19.068	15.733	12.595	10.503	9.449	9.146	13.161
13.625	20.817	19.195	15.604	12.279	10.105	9.026	8.718	14.321
14.761	21.196	19.432	15.572	12.048	9.785	8.679	8.365	15.468
15.880	21.686	19.762	15.614	11.883	9.527	8.393	8.073	16.598
16.977	22.278	20.178	15.718	11.770	9.319	8.155	7.830	17.706
18.049	22.970	20.675	15.874	11.699	9.149	7.957	7.626	18.788
19.094	23.750	21.246	16.076	11.661	9.011	7.790	7.454	19.843
20.110	24.606	21.884	16.320	11.652	8.899	7.648	7.308	20.869
21.098	25.523	22.580	16.601	11.666	8.808	7.528	7.183	21.867
22.247	26.679	23.477	16.983	11.709	8.721	7.407	7.056	23.028
23.177	27.669	24.262	17.333	11.765	8.665	7.321	6.966	23.967
24.084	28.664	25.071	17.710	11.835	8.621	7.247	6.888	24.882
24.969	29.649	25.892	18.109	11.918	8.587	7.183	6.820	25.776
25.836	30.608	26.716	18.529	12.014	8.562	7.128	6.761	26.652
26.688	31.527	27.533	18.965	12.120	8.544	7.079	6.708	27.512
27.526	32.393	28.335	19.416	12.237	8.534	7.038	6.662	28.359
28.356	33.194	29.113	19.879	12.363	8.530	7.001	6.622	29.196
29.178	33.920	29.858	20.354	12.498	8.531	6.970	6.587	30.027
29.998	34.561	30.562	20.837	12.642	8.538	6.943	6.556	30.854
30.817	35.112	31.216	21.328	12.794	8.549	6.921	6.529	31.681
31.639	35.566	31.815	21.825	12.954	8.565	6.902	6.506	32.511
32.467	35.921	32.349	22.325	13.123	8.585	6.886	6.486	33.348
33.306	36.177	32.813	22.827	13.301	8.609	6.874	6.470	34.195
34.158	36.336	33.201	23.329	13.487	8.637	6.865	6.457	35.056
35.028	36.403	33.507	23.826	13.684	8.670	6.859	6.447	35.934
35.921	36.382	33.728	24.315	13.890	8.706	6.856	6.440	36.836
36.840	36.283	33.861	24.792	14.108	8.747	6.856	6.437	37.764
37.785	36.115	33.908	25.249	14.336	8.791	6.859	6.437	38.718
38.755	35.893	33.873	25.678	14.574	8.839	6.864	6.440	39.698
39.757	35.629	33.760	26.071	14.823	8.891	6.873	6.446	40.709
40.794	35.341	33.579	26.423	15.083	8.946	6.884	6.45[illegible]	41.757

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
42.096	34.986	33.287	26.778	15.412	9.019	6.901	6.473	43.071
43.235	34.698	32.999	27.008	15.700	9.085	6.918	6.491	44.221
44.428	34.432	32.688	27.170	16.000	9.155	6.939	6.514	45.426
45.653	34.202	32.380	27.259	16.308	9.230	6.961	6.540	46.669
46.928	34.010	32.089	27.275	16.621	9.308	6.985	6.570	47.951
48.245	33.857	31.826	27.221	16.939	9.392	7.011	6.604	49.281
49.616	33.741	31.599	27.105	17.258	9.482	7.040	6.643	50.666
51.051	33.661	31.413	26.935	17.577	9.579	7.071	6.686	52.115
52.560	33.611	31.269	26.724	17.892	9.684	7.103	6.733	53.638
54.154	33.587	31.169	26.486	18.195	9.799	7.138	6.786	55.248
55.844	33.583	31.109	26.235	18.480	9.926	7.176	6.843	56.955
57.646	33.594	31.085	25.987	18.738	10.066	7.216	6.905	58.775
59.566	33.617	31.089	25.757	18.957	10.221	7.259	6.973	60.714
61.562	33.651	31.115	25.561	19.127	10.387	7.304	7.042	62.729
63.635	33.691	31.153	25.402	19.243	10.565	7.351	7.113	64.823
65.799	33.733	31.197	25.282	19.306	10.756	7.402	7.186	67.008
68.068	33.777	31.247	25.198	19.322	10.958	7.457	7.261	69.299
70.458	33.817	31.298	25.147	19.296	11.173	7.516	7.337	71.712
72.988	33.852	31.350	25.124	19.236	11.397	7.580	7.415	74.267
75.680	33.880	31.401	25.121	19.150	11.627	7.651	7.493	76.986
78.561	33.900	31.445	25.134	19.046	11.860	7.729	7.571	79.895
81.660	33.913	31.479	25.158	18.931	12.089	7.815	7.650	83.024
85.714	33.921	31.505	25.196	18.787	12.349	7.930	7.744	87.118
89.408	33.925	31.511	25.232	18.672	12.544	8.037	7.821	90.848
93.299	33.929	31.509	25.269	18.571	12.708	8.149	7.890	94.778
97.260	33.933	31.503	25.302	18.491	12.836	8.264	7.950	98.778
101.278	33.936	31.495	25.328	18.429	12.932	8.379	8.004	102.835
105.367	33.938	31.487	25.346	18.382	13.000	8.492	8.052	106.965
109.541	33.940	31.480	25.356	18.349	13.047	8.602	8.095	111.180
113.814	33.942	31.473	25.360	18.324	13.076	8.707	8.132	115.494
118.198	33.945	31.466	25.359	18.306	13.090	8.807	8.164	119.922
122.709	33.948	31.462	25.354	18.294	13.089	8.901	8.191	124.477
127.359	33.951	31.460	25.348	18.285	13.077	8.987	8.214	129.173
132.162	33.953	31.459	25.340	18.278	13.055	9.065	8.231	134.023
137.132	33.955	31.461	25.332	18.275	13.024	9.135	8.244	139.042
142.282	33.957	31.464	25.324	18.273	12.989	9.199	8.251	144 242
147.625	33.959	31.468	25.315	18.272	12.951	9.255	8.255	149.638
153.176	33.960	31.473	25.307	18.273	12.914	9.304	8.255	155.243
158.948	33.962	31.477	25.299	18.273	12.880	9.347	8.252	161.072
164.958	33.964	31.482	25.293	18.273	12.850	9.385	8.247	167.141
171.221	33.965	31.486	25.288	18.272	12.824	9.417	8.242	173.465
177.754	33.967	31.490	25.285	18.270	12.801	9.443	8.236	180.063
184.577	33.969	31.495	25.283	18.267	12.782	9.465	8.232	186.953
191.711	33.971	31.498	25.283	18.262	12.766	9.481	8.230	194.156
200.712	33.973	31.502	25.284	18.255	12.750	9.495	8.230	203.246

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	89.665	87.239	80.908	72.878	65.546	60.568	58.833	1.431
1.135	82.817	80.594	74.786	67.477	60.841	56.381	54.825	1.708
1.434	75.605	73.572	68.292	61.688	55.747	51.789	50.410	2.010
2.000	64.036	62.290	57.820	52.336	47.529	44.396	43.317	2.582
2.589	54.984	53.438	49.498	44.833	40.890	38.417	37.592	3.176
3.288	47.415	46.019	42.471	38.380	35.019	32.969	32.296	3.883
4.266	40.459	39.124	35.782	32.074	29.172	27.509	26.998	4.870
5.184	36.318	34.975	31.664	28.085	25.362	23.851	23.399	5.797
6.383	32.908	31.510	28.121	24.555	21.915	20.491	20.074	7.007
7.444	31.043	29.566	26.041	22.411	19.775	18.371	17.962	8.079
8.543	29.839	28.256	24.540	20.796	18.128	16.722	16.313	9.189
9.894	29.056	27.313	23.303	19.367	16.628	15.207	14.794	10.554
11.034	28.824	26.926	22.623	18.489	15.669	14.225	13.808	11.704
12.176	28.879	26.813	22.184	17.822	14.906	13.435	13.011	12.857
13.538	29.233	26.949	21.900	17.234	14.188	12.677	12.245	14.233
14.658	29.718	27.236	21.816	16.880	13.716	12.169	11.729	15.364
15.977	30.502	27.752	21.853	16.578	13.264	11.673	11.225	16.696
17.049	31.319	28.313	21.976	16.405	12.963	11.335	10.879	17.779
18.095	32.276	28.989	22.169	16.289	12.717	11.050	10.588	18.834
19.310	33.593	29.940	22.485	16.210	12.477	10.766	10.297	20.062
20.291	34.810	30.836	22.811	16.186	12.316	10.567	10.092	21.052
21.428	36.382	32.018	23.269	16.197	12.160	10.365	9.883	22.201
22.345	37.757	33.075	23.702	16.236	12.054	10.222	9.735	23.127
23.236	39.168	34.181	24.176	16.298	11.968	10.098	9.605	24.026
24.273	40.874	35.555	24.791	16.398	11.885	9.970	9.470	25.073
25.113	42.281	36.721	25.339	16.501	11.832	9.877	9.373	25.922
25.935	43.653	37.892	25.914	16.621	11.790	9.796	9.286	26.751
26.899	45.225	39.288	26.636	16.783	11.753	9.712	9.195	27.726
27.689	46.452	40.429	27.260	16.932	11.732	9.650	9.129	28.523
28.623	47.803	41.752	28.034	17.127	11.718	9.586	9.058	29.467
29.394	48.811	42.805	28.696	17.303	11.714	9.540	9.006	30.245
30.161	49.700	43.799	29.372	17.489	11.716	9.499	8.960	31.019
31.080	50.598	44.903	30.198	17.728	11.727	9.457	8.912	31.947
31.848	51.201	45.735	30.897	17.938	11.742	9.427	8.877	32.723
32.621	51.668	46.479	31.602	18.160	11.762	9.402	8.846	33.504
33.561	52.050	47.243	32.454	18.442	11.794	9.377	8.815	34.453
34.358	52.223	47.763	33.165	18.690	11.825	9.360	8.793	35.257
35.335	52.263	48.237	34.012	19.006	11.869	9.345	8.772	36.244
36.172	52.165	48.503	34.709	19.285	11.912	9.336	8.759	37.090
37.032	51.961	48.647	35.388	19.579	11.959	9.331	8.750	37.958
38.089	51.598	48.661	36.164	19.950	12.021	9.329	8.744	39.025
38.995	51.221	48.546	36.768	20.274	12.078	9.331	8.743	39.940
40.120	50.709	48.269	37.429	20.685	12.152	9.338	8.747	41.077
41.095	50.259	47.937	37.913	21.046	12.219	9.347	8.755	42.061
42.108	49.812	47.533	38.326	21.426	12.291	9.360	8.767	43.084

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
43.384	49.302	46.982	38.710	21.908	12.386	9.379	8.789	44.372
44.485	48.925	46.507	38.923	22.326	12.470	9.399	8.811	45.484
45.613	48.602	46.045	39.033	22.754	12.558	9.421	8.839	46.623
47.010	48.287	45.531	39.029	23.280	12.671	9.450	8.877	48.034
48.217	48.087	45.152	38.920	23.728	12.772	9.477	8.915	49.253
49.729	47.917	44.769	38.675	24.274	12.904	9.513	8.969	50.780
51.049	47.828	44.516	38.391	24.731	13.023	9.546	9.019	52.113
52.434	47.779	44.327	38.053	25.185	13.154	9.581	9.075	53.511
54.193	47.763	44.181	37.603	25.716	13.328	9.626	9.150	55.287
55.753	47.777	44.122	37.215	26.133	13.490	9.668	9.220	56.863
57.755	47.818	44.114	36.762	26.585	13.709	9.722	9.314	58.885
59.506	47.868	44.149	36.424	26.899	13.910	9.770	9.396	60.652
61.308	47.929	44.207	36.140	27.144	14.126	9.819	9.481	62.472
63.550	48.006	44.293	35.870	27.340	14.408	9.883	9.588	64.737
65.497	48.074	44.372	35.709	27.426	14.662	9.941	9.681	66.703
67.528	48.140	44.454	35.598	27.446	14.935	10.004	9.775	68.753
70.092	48.211	44.553	35.526	27.394	15.285	10.087	9.892	71.343
72.353	48.260	44.635	35.508	27.297	15.595	10.164	9.992	73.626
75.242	48.303	44.727	35.524	27.132	15.985	10.266	10.114	76.544
77.820	48.326	44.792	35.561	26.964	16.318	10.362	10.219	79.147
80.579	48.340	44.842	35.611	26.779	16.653	10.468	10.324	81.932
84.165	48.345	44.877	35.682	26.547	17.044	10.610	10.453	85.554
87.416	48.347	44.884	35.747	26.359	17.349	10.744	10.560	88.837
90.830	48.349	44.876	35.810	26.192	17.618	10.886	10.659	92.285
95.110	48.351	44.857	35.880	26.028	17.884	11.068	10.771	96.606
98.801	48.350	44.838	35.925	25.924	18.057	11.225	10.856	100.334
103.294	48.351	44.819	35.965	25.838	18.208	11.414	10.944	104.871
107.104	48.353	44.804	35.983	25.789	18.294	11.570	11.010	108.718
110.985	48.355	44.791	35.989	25.755	18.350	11.723	11.068	112.637
115.752	48.360	44.778	35.986	25.729	18.381	11.899	11.128	117.451
119.828	48.365	44.771	35.978	25.714	18.380	12.040	11.171	121.568
124.860	48.370	44.766	35.964	25.703	18.352	12.198	11.211	126.649
129.183	48.374	44.766	35.950	25.698	18.309	12.321	11.237	131.014
133.632	48.377	44.769	35.936	25.696	18.254	12.436	11.256	135.507
139.153	48.380	44.775	35.919	25.698	18.177	12.562	11.270	141.082
143.916	48.381	44.781	35.905	25.701	18.109	12.657	11.275	145.892
148.836	48.383	44.788	35.892	25.706	18.044	12.743	11.274	150.861
154.963	48.385	44.797	35.878	25.713	17.973	12.834	11.268	157.047
160.265	48.387	44.803	35.868	25.718	17.921	12.901	11.260	162.402
166.880	48.389	44.810	35.859	25.722	17.868	12.969	11.249	169.082
172.617	48.391	44.816	35.853	25.723	17.830	13.015	11.240	174.875
178.570	48.393	44.821	35.850	25.723	17.797	13.052	11.232	180.887
186.019	48.395	44.826	35.848	25.719	17.763	13.085	11.223	188.409
192.497	48.398	44.830	35.849	25.714	17.739	13.104	11.218	194.950
200.617	48.401	44.834	35.851	25.705	17.714	13.118	11.215	203.150

MACH NO = 3.50 CONE ANGLE = 9.0 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	1.941	1.898	1.783	1.636	1.499	1.405	1.372	1.414
.940	1.927	1.883	1.767	1.617	1.479	1.384	1.351	1.511
.992	1.950	1.905	1.788	1.638	1.499	1.404	1.370	1.564
1.107	1.959	1.915	1.799	1.651	1.513	1.419	1.386	1.683
1.304	1.945	1.901	1.787	1.641	1.507	1.416	1.384	1.883
1.455	1.930	1.887	1.773	1.629	1.497	1.408	1.377	2.033
1.622	1.910	1.867	1.755	1.614	1.485	1.398	1.368	2.202
1.905	1.874	1.831	1.722	1.585	1.462	1.380	1.352	2.489
2.117	1.842	1.801	1.694	1.561	1.443	1.365	1.338	2.713
2.347	1.808	1.768	1.663	1.535	1.423	1.349	1.324	2.936
2.730	1.772	1.732	1.627	1.501	1.395	1.328	1.305	3.324
3.010	1.753	1.713	1.608	1.483	1.377	1.313	1.292	3.608
3.311	1.736	1.696	1.591	1.467	1.361	1.298	1.277	3.912
3.802	1.716	1.676	1.571	1.448	1.342	1.278	1.258	4.409
4.156	1.708	1.667	1.561	1.437	1.333	1.269	1.248	4.768
4.532	1.703	1.661	1.554	1.429	1.326	1.263	1.243	5.148
5.137	1.700	1.658	1.548	1.422	1.319	1.259	1.240	5.763
5.567	1.702	1.659	1.547	1.420	1.317	1.257	1.239	6.196
6.021	1.705	1.661	1.548	1.419	1.316	1.256	1.238	6.655
6.496	1.710	1.666	1.550	1.420	1.316	1.256	1.239	7.137
7.253	1.720	1.674	1.556	1.424	1.319	1.259	1.242	7.903
7.796	1.727	1.681	1.562	1.428	1.322	1.263	1.245	8.443
8.342	1.735	1.689	1.567	1.433	1.326	1.267	1.249	9.006
9.221	1.748	1.700	1.577	1.440	1.333	1.274	1.257	9.896
9.837	1.757	1.708	1.583	1.445	1.338	1.279	1.262	10.519
10.477	1.765	1.716	1.590	1.451	1.343	1.284	1.267	11.167
11.483	1.777	1.728	1.600	1.459	1.350	1.292	1.275	12.186
12.184	1.785	1.735	1.606	1.464	1.355	1.297	1.280	12.896
12.911	1.792	1.742	1.612	1.470	1.360	1.302	1.285	13.632
14.049	1.803	1.752	1.621	1.477	1.367	1.309	1.293	14.784
14.840	1.809	1.758	1.626	1.482	1.371	1.313	1.297	15.585
15.658	1.815	1.763	1.631	1.486	1.375	1.317	1.301	16.413
16.935	1.823	1.771	1.638	1.492	1.381	1.323	1.307	17.706
17.820	1.828	1.776	1.643	1.496	1.384	1.326	1.311	18.602
18.734	1.833	1.780	1.647	1.500	1.388	1.330	1.314	19.527
20.158	1.839	1.786	1.652	1.505	1.392	1.334	1.318	20.969
21.144	1.842	1.790	1.656	1.508	1.395	1.337	1.321	21.967
22.159	1.846	1.793	1.659	1.510	1.398	1.339	1.323	22.995
23.205	1.849	1.796	1.662	1.513	1.400	1.341	1.326	24.054
24.833	1.853	1.801	1.666	1.517	1.403	1.344	1.329	25.702
25.958	1.856	1.803	1.668	1.519	1.405	1.346	1.330	26.841
27.116	1.858	1.805	1.671	1.521	1.407	1.348	1.332	28.014
29.917	1.861	1.809	1.674	1.524	1.410	1.350	1.334	29.837
30.161	1.863	1.811	1.675	1.525	1.411	1.352	1.336	31.097
31.442	1.865	1.812	1.677	1.527	1.413	1.353	1.337	32.393

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.432	1.867	1.815	1.680	1.529	1.415	1.355	1.339	34.408
34.807	1.869	1.816	1.681	1.531	1.416	1.356	1.340	35.8[illegible]
36.222	1.871	1.818	1.683	1.532	1.417	1.357	1.341	37.233
37.423	1.872	1.819	1.685	1.534	1.418	1.358	1.342	39.451
39.944	1.873	1.820	1.686	1.535	1.419	1.359	1.343	41.[illegible]02
41.510	1.874	1.821	1.687	1.536	1.420	1.360	1.343	42.[illegible]87
43.948	1.875	1.823	1.689	1.537	1.421	1.361	1.344	45.[illegible]55
45.634	1.875	1.823	1.689	1.538	1.422	1.361	1.345	46.762
47.371	1.876	1.824	1.690	1.539	1.423	1.362	1.345	48.521
49.161	1.877	1.825	1.691	1.540	1.424	1.363	1.346	50.333
51.959	1.877	1.826	1.692	1.541	1.425	1.363	1.347	53.157
53.881	1.878	1.826	1.693	1.541	1.425	1.364	1.347	55.113
55.873	1.878	1.827	1.693	1.542	1.426	1.364	1.347	57.129
58.979	1.879	1.827	1.694	1.543	1.426	1.365	1.348	60.274
61.131	1.879	1.828	1.695	1.543	1.427	1.365	1.348	62.453
63.352	1.879	1.828	1.695	1.544	1.427	1.366	1.349	64.701
66.816	1.879	1.828	1.696	1.545	1.428	1.366	1.349	68.208
69.218	1.880	1.829	1.696	1.545	1.428	1.367	1.349	70.640
71.697	1.880	1.829	1.697	1.545	1.429	1.367	1.350	73.15[illegible]
75.565	1.880	1.829	1.697	1.546	1.429	1.367	1.350	77. 67
78.249	1.880	1.830	1.698	1.546	1.429	1.368	1.350	79.784
81.018	1.881	1.830	1.698	1.547	1.430	1.368	1.350	82.588
85.342	1.881	1.830	1.698	1.547	1.430	1.368	1.351	86.965
89.341	1.881	1.830	1.699	1.547	1.430	1.368	1.351	90.[illegible]02
91.437	1.881	1.830	1.699	1.547	1.430	1.368	1.351	93.136
96.279	1.881	1.830	1.699	1.548	1.431	1.369	1.351	98.[illegible]3[illegible]
99.624	1.881	1.831	1.699	1.548	1.431	1.369	1.351	101.425
103.986	1.881	1.831	1.700	1.548	1.431	1.369	1.352	106.931
106.661	1.882	1.831	1.700	1.549	1.431	1.369	1.352	108.55[illegible]
112.242	1.882	1.831	1.700	1.549	1.431	1.369	1.352	114.201
116.115	1.882	1.831	1.700	1.549	1.432	1.369	1.352	118.122
120.113	1.882	1.831	1.700	1.549	1.432	1.370	1.352	122.17[illegible]
126.357	1.882	1.831	1.700	1.550	1.432	1.370	1.352	128.492
130.639	1.882	1.831	1.700	1.550	1.432	1.370	1.352	132.878
135.163	1.882	1.831	1.700	1.550	1.432	1.370	1.352	137.4[illegible]7
142.148	1.882	1.831	1.700	1.550	1.432	1.370	1.352	144.48.
146.996	1.882	1.831	1.700	1.550	1.432	1.370	1.352	149.388
152.001	1.882	1.831	1.700	1.551	1.432	1.370	1.352	154.456
159.818	1.882	1.831	1.700	1.551	1.433	1.370	1.352	162.369
165.242	1.883	1.831	1.700	1.551	1.433	1.370	1.352	167.861
173.843	1.883	1.831	1.700	1.551	1.433	1.370	1.352	173.532
179.590	1.883	1.831	1.700	1.551	1.433	1.370	1.352	182.788
185.661	1.883	1.831	1.700	1.551	1.433	1.370	1.352	188.534
191.929	1.883	1.831	1.700	1.551	1.433	1.370	1.352	194.881
201.718	1.883	1.831	1.700	1.551	1.433	1.370	1.352	204.792

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	3.306	3.226	3.015	2.745	2.496	2.326	2.266	1.414
.942	3.249	3.168	2.957	2.687	2.438	2.269	2.210	1.514
1.059	3.234	3.155	2.949	2.686	2.444	2.279	2.221	1.632
1.194	3.173	3.095	2.893	2.637	2.402	2.244	2.188	1.769
1.433	3.058	2.983	2.789	2.542	2.319	2.169	2.117	2.011
1.614	2.971	2.898	2.709	2.472	2.258	2.115	2.065	2.194
1.919	2.835	2.765	2.584	2.359	2.159	2.026	1.981	2.502
2.143	2.738	2.671	2.496	2.280	2.090	1.966	1.923	2.729
2.516	2.606	2.540	2.369	2.164	1.988	1.876	1.838	3.107
2.790	2.533	2.467	2.298	2.096	1.924	1.817	1.781	3.384
3.239	2.437	2.372	2.204	2.007	1.840	1.736	1.702	3.939
3.734	2.361	2.295	2.126	1.930	1.767	1.667	1.635	4.545
4.090	2.323	2.256	2.084	1.887	1.725	1.627	1.596	4.761
4.663	2.281	2.212	2.036	1.835	1.672	1.576	1.546	5.281
5.071	2.262	2.192	2.012	1.808	1.644	1.548	1.518	5.693
5.720	2.248	2.174	1.988	1.778	1.611	1.513	1.483	6.350
6.177	2.245	2.173	1.978	1.764	1.594	1.496	1.465	6.814
6.901	2.250	2.172	1.972	1.751	1.577	1.476	1.446	7.546
7.408	2.259	2.178	1.973	1.747	1.569	1.467	1.436	8.060
8.205	2.278	2.193	1.980	1.746	1.563	1.459	1.427	8.867
8.048	2.303	2.215	1.993	1.750	1.561	1.455	1.423	9.726
9.675	2.322	2.231	2.004	1.755	1.563	1.455	1.423	10.315
10.555	2.353	2.258	2.023	1.766	1.568	1.458	1.425	11.246
11.195	2.374	2.278	2.037	1.774	1.573	1.461	1.428	11.894
12.197	2.406	2.307	2.060	1.789	1.582	1.468	1.435	12.938
12.893	2.428	2.327	2.075	1.800	1.589	1.474	1.440	13.613
13.983	2.459	2.356	2.098	1.816	1.600	1.483	1.449	14.717
14.741	2.479	2.374	2.114	1.827	1.609	1.490	1.456	15.484
15.927	2.507	2.401	2.136	1.844	1.621	1.501	1.467	16.685
16.746	2.525	2.418	2.150	1.855	1.630	1.509	1.474	17.514
18.007	2.549	2.441	2.170	1.870	1.642	1.520	1.485	18.791
18.908	2.570	2.462	2.189	1.885	1.654	1.531	1.496	20.108
20.197	2.583	2.474	2.200	1.894	1.661	1.538	1.503	21.008
21.553	2.601	2.491	2.216	1.907	1.672	1.548	1.513	22.391
22.496	2.611	2.502	2.225	1.915	1.678	1.554	1.520	23.336
23.930	2.625	2.515	2.238	1.926	1.688	1.563	1.529	24.788
24.909	2.633	2.524	2.246	1.933	1.693	1.568	1.534	25.779
26.412	2.645	2.535	2.257	1.943	1.701	1.576	1.542	27.331
27.439	2.651	2.542	2.264	1.949	1.706	1.580	1.547	28.341
29.017	2.660	2.551	2.273	1.957	1.713	1.587	1.553	29.938
30.642	2.668	2.559	2.282	1.964	1.719	1.592	1.559	31.583
31.753	2.673	2.564	2.287	1.969	1.723	1.596	1.563	32.719
33.464	2.679	2.570	2.294	1.975	1.729	1.601	1.567	34.441
34.636	2.682	2.574	2.298	1.979	1.732	1.604	1.570	35.628
36.444	2.687	2.580	2.304	1.985	1.737	1.608	1.575	37.458

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
37.685	2.689	2.583	2.307	1.988	1.740	1.611	1.577	38.714
39.602	2.692	2.586	2.312	1.993	1.744	1.614	1.581	40.655
40.919	2.694	2.589	2.315	1.996	1.747	1.616	1.583	41.988
42.956	2.696	2.591	2.319	2.000	1.750	1.619	1.586	44.751
44.358	2.697	2.593	2.322	2.002	1.753	1.621	1.587	45.478
46.528	2.698	2.595	2.325	2.006	1.756	1.624	1.590	47.667
48.783	2.699	2.596	2.328	2.009	1.759	1.627	1.592	49.953
50.336	2.699	2.597	2.330	2.011	1.761	1.628	1.593	51.523
52.742	2.700	2.598	2.332	2.014	1.763	1.630	1.595	53.959
54.400	2.700	2.598	2.334	2.015	1.765	1.632	1.597	55.638
56.970	2.701	2.599	2.335	2.018	1.767	1.634	1.598	58.240
58.741	2.701	2.599	2.336	2.019	1.769	1.635	1.599	60.033
61.488	2.701	2.600	2.338	2.021	1.770	1.636	1.601	62.814
63.381	2.701	2.600	2.338	2.023	1.772	1.638	1.602	64.731
66.318	2.702	2.601	2.339	2.024	1.773	1.639	1.603	67.704
68.375	2.702	2.601	2.340	2.026	1.775	1.640	1.604	70.800
71.484	2.702	2.601	2.341	2.027	1.776	1.641	1.605	72.934
74.755	2.702	2.601	2.341	2.029	1.777	1.642	1.606	76.247
77.011	2.702	2.601	2.342	2.030	1.778	1.643	1.607	78.531
80.512	2.702	2.601	2.342	2.031	1.779	1.644	1.607	82. 76
82.927	2.702	2.601	2.342	2.032	1.780	1.645	1.608	84.520
86.675	2.702	2.601	2.343	2.033	1.780	1.646	1.609	88.315
89.260	2.703	2.601	2.343	2.034	1.781	1.646	1.609	90.932
93.272	2.703	2.601	2.343	2.035	1.782	1.647	1.610	94.994
96.039	2.703	2.601	2.343	2.035	1.782	1.647	1.610	97.796
100.335	2.703	2.601	2.343	2.036	1.783	1.648	1.611	102.145
104.810	2.703	2.601	2.343	2.037	1.784	1.648	1.611	106.676
107.898	2.703	2.601	2.343	2.037	1.785	1.649	1.612	109.802
112.690	2.704	2.601	2.343	2.038	1.785	1.649	1.612	114.654
115.996	2.704	2.601	2.343	2.038	1.786	1.649	1.612	118.001
121.127	2.704	2.601	2.342	2.038	1.787	1.650	1.612	123.197
124.668	2.704	2.601	2.342	2.038	1.787	1.650	1.613	126.781
130.163	2.704	2.602	2.342	2.039	1.788	1.650	1.613	132.345
133.954	2.704	2.602	2.342	2.039	1.788	1.650	1.613	136.184
139.839	2.704	2.602	2.342	2.039	1.789	1.651	1.613	142.142
145.972	2.705	2.602	2.342	2.039	1.790	1.651	1.613	148.351
150.202	2.705	2.602	2.342	2.039	1.790	1.651	1.613	152.634
156.770	2.705	2.602	2.342	2.039	1.790	1.651	1.613	159.283
161.301	2.705	2.602	2.342	2.039	1.791	1.651	1.613	163.871
168.334	2.705	2.602	2.342	2.039	1.791	1.651	1.613	170.992
173.187	2.705	2.602	2.342	2.039	1.791	1.652	1.613	175.905
181.720	2.705	2.602	2.342	2.039	1.792	1.652	1.613	183.532
185.917	2.705	2.602	2.342	2.039	1.792	1.652	1.613	188.795
193.986	2.706	2.602	2.341	2.039	1.792	1.652	1.613	196.964
202.394	2.706	2.603	2.341	2.038	1.792	1.652	1.613	205.476

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.844	11.249	10.956	10.187	9.212	8.318	7.709	7.495	1.414
.990	10.862	10.579	9.836	8.892	8.027	7.440	7.235	1.562
1.181	10.350	10.080	9.374	8.485	7.678	7.136	6.947	1.755
1.403	9.759	9.504	8.839	8.006	7.254	6.751	6.576	1.980
1.748	8.918	8.682	8.074	7.320	6.649	6.206	6.053	2.330
2.047	8.298	8.075	7.503	6.803	6.188	5.788	5.650	2.632
2.501	7.502	7.295	6.765	6.132	5.591	5.249	5.135	3.092
2.884	6.996	6.796	6.287	5.687	5.184	4.869	4.764	3.480
3.451	6.419	6.224	5.731	5.163	4.698	4.413	4.320	4.054
3.917	6.071	5.876	5.384	4.826	4.378	4.111	4.026	4.526
4.589	5.710	5.510	5.012	4.456	4.017	3.762	3.683	5.206
5.126	5.508	5.302	4.793	4.232	3.795	3.543	3.465	5.750
5.882	5.315	5.099	4.569	3.994	3.552	3.301	3.224	6.515
6.677	5.196	4.967	4.409	3.813	3.361	3.107	3.030	7.320
7.295	5.147	4.906	4.324	3.708	3.246	2.988	2.910	7.945
8.141	5.125	4.866	4.248	3.602	3.123	2.859	2.779	8.803
8.791	5.136	4.863	4.215	3.543	3.050	2.780	2.699	9.461
9.674	5.183	4.888	4.196	3.487	2.974	2.695	2.611	10.354
10.347	5.237	4.926	4.199	3.460	2.929	2.643	2.557	11.035
11.254	5.332	4.998	4.221	3.438	2.883	2.587	2.499	11.954
11.942	5.416	5.065	4.249	3.432	2.857	2.553	2.463	12.651
12.868	5.543	5.167	4.300	3.435	2.832	2.518	2.425	13.588
13.567	5.645	5.253	4.346	3.444	2.820	2.497	2.402	14.296
14.505	5.790	5.375	4.416	3.464	2.811	2.475	2.378	15.246
15.212	5.902	5.471	4.474	3.485	2.809	2.464	2.364	15.962
16.160	6.055	5.602	4.557	3.517	2.811	2.453	2.350	16.921
17.111	6.208	5.737	4.645	3.555	2.818	2.448	2.342	17.884
17.827	6.322	5.837	4.712	3.586	2.825	2.446	2.338	18.609
18.786	6.471	5.971	4.804	3.631	2.839	2.447	2.336	19.580
19.508	6.579	6.069	4.874	3.666	2.852	2.450	2.336	20.310
20.475	6.716	6.196	4.967	3.715	2.870	2.456	2.339	21.290
21.205	6.815	6.287	5.036	3.753	2.886	2.462	2.343	22.029
22.185	6.937	6.404	5.127	3.804	2.908	2.472	2.351	23.021
22.928	7.023	6.487	5.193	3.843	2.926	2.480	2.357	23.773
23.930	7.129	6.591	5.280	3.896	2.950	2.493	2.368	24.788
24.693	7.201	6.665	5.343	3.935	2.970	2.504	2.377	25.560
25.728	7.287	6.756	5.425	3.988	2.997	2.520	2.390	26.609
26.522	7.343	6.818	5.484	4.028	3.018	2.532	2.401	27.412
27.605	7.406	6.893	5.559	4.081	3.046	2.550	2.417	28.509
28.724	7.455	6.958	5.631	4.133	3.076	2.568	2.434	29.642
29.591	7.482	6.998	5.683	4.172	3.098	2.583	2.447	30.519
30.786	7.506	7.042	5.748	4.223	3.129	2.604	2.467	31.730
31.717	7.515	7.066	5.793	4.261	3.152	2.620	2.482	32.672
33.019	7.517	7.087	5.850	4.310	3.183	2.642	2.503	33.981
34.023	7.513	7.095	5.888	4.347	3.207	2.658	2.519	35.007

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
35.437	7.503	7.096	5.933	4.394	3.239	2.682	2.542	36.439
36.551	7.493	7.092	5.961	4.429	3.263	2.699	2.560	37.566
38.113	7.478	7.082	5.990	4.473	3.295	2.723	2.584	39.148
39.349	7.467	7.072	6.006	4.506	3.318	2.741	2.603	40.399
41.091	7.452	7.058	6.019	4.547	3.350	2.765	2.628	42.163
42.473	7.441	7.048	6.023	4.577	3.373	2.783	2.647	43.562
44.427	7.428	7.035	6.022	4.614	3.404	2.807	2.672	45.541
46.520	7.416	7.023	6.017	4.649	3.434	2.831	2.697	47.660
48.191	7.409	7.015	6.011	4.672	3.457	2.848	2.716	49.351
50.532	7.400	7.005	6.002	4.698	3.485	2.870	2.739	51.722
52.354	7.396	6.999	5.997	4.715	3.506	2.885	2.755	53.566
54.873	7.391	6.993	5.989	4.731	3.532	2.904	2.775	56.117
56.833	7.389	6.989	5.984	4.740	3.550	2.918	2.789	58.101
59.544	7.388	6.985	5.978	4.748	3.573	2.935	2.807	60.846
61.653	7.388	6.983	5.974	4.751	3.590	2.948	2.818	62.981
64.569	7.389	6.981	5.968	4.754	3.610	2.963	2.832	65.934
66.837	7.390	6.981	5.965	4.754	3.625	2.974	2.842	68.230
69.974	7.392	6.981	5.960	4.754	3.642	2.988	2.854	71.406
72.413	7.393	6.982	5.958	4.754	3.654	2.998	2.861	73.875
75.785	7.395	6.983	5.954	4.753	3.668	3.010	2.870	77.29[illegible]
79.301	7.397	6.984	5.952	4.752	3.680	3.021	2.878	80.949
82.034	7.398	6.984	5.950	4.751	3.688	3.030	2.884	83.516
85.813	7.400	6.985	5.948	4.750	3.696	3.040	2.890	87.443
88.752	7.401	6.986	5.947	4.748	3.701	3.047	2.895	90.418
92.816	7.403	6.987	5.946	4.746	3.706	3.056	2.900	94.532
95.976	7.404	6.988	5.946	4.745	3.709	3.062	2.903	97.732
100.345	7.406	6.989	5.945	4.742	3.713	3.070	2.907	102.156
103.743	7.407	6.989	5.944	4.741	3.716	3.075	2.910	105.596
108.443	7.408	6.990	5.943	4.738	3.719	3.081	2.913	110.354
112.097	7.409	6.991	5.943	4.737	3.720	3.085	2.915	114.054
117.152	7.410	6.992	5.942	4.734	3.723	3.090	2.917	119.172
121.083	7.411	6.992	5.942	4.733	3.724	3.093	2.918	123.152
126.520	7.412	6.993	5.942	4.731	3.725	3.096	2.920	128.657
132.188	7.413	6.994	5.941	4.729	3.726	3.099	2.921	134.396
136.598	7.413	6.994	5.941	4.728	3.727	3.101	2.921	138.860
142.697	7.414	6.995	5.941	4.726	3.727	3.103	2.921	145.035
147.441	7.415	6.996	5.941	4.725	3.727	3.105	2.921	149.838
154.003	7.415	6.996	5.941	4.724	3.727	3.106	2.922	156.482
159.108	7.416	6.997	5.941	4.722	3.727	3.108	2.922	161.650
166.168	7.416	6.998	5.942	4.721	3.727	3.110	2.922	168.799
171.661	7.416	6.998	5.942	4.720	3.727	3.111	2.922	174.360
179.259	7.417	6.999	5.942	4.719	3.726	3.112	2.923	182.053
185.170	7.417	6.999	5.942	4.718	3.726	3.113	2.923	188.037
193.346	7.417	7.000	5.943	4.717	3.725	3.115	2.924	196.315
201.871	7.418	7.000	5.943	4.716	3.724	3.116	2.925	204.947

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
.844	24.473	23.825	22.131	19.982	18.015	16.676	16.208	1.414
1.045	23.182	22.572	20.975	18.954	17.109	15.861	15.425	1.618
1.242	21.911	21.331	19.816	17.913	16.191	15.038	14.637	1.817
1.637	19.545	19.024	17.675	16.000	14.505	13.515	13.171	2.217
2.018	17.644	17.164	15.934	14.428	13.108	12.248	11.951	2.603
2.459	15.833	15.391	14.260	12.910	11.758	11.028	10.784	3.049
3.097	13.951	13.546	12.493	11.274	10.261	9.633	9.424	3.695
3.674	12.736	12.332	11.315	10.159	9.223	8.663	8.483	4.280
4.306	11.786	11.380	10.367	9.237	8.343	7.823	7.661	4.919
5.160	10.921	10.500	9.465	8.335	7.463	6.965	6.812	5.784
5.887	10.442	10.032	8.932	7.783	6.909	6.419	6.270	6.529
6.837	10.052	9.581	8.450	7.258	6.369	5.876	5.727	7.482
7.621	9.874	9.372	8.180	6.943	6.033	5.533	5.382	8.276
8.421	9.792	9.254	7.991	6.709	5.763	5.254	5.100	9.086
9.435	9.800	9.211	7.845	6.475	5.499	4.975	4.818	10.112
10.252	9.878	9.244	7.787	6.345	5.333	4.796	4.636	10.939
11.072	10.006	9.325	7.771	6.252	5.200	4.648	4.485	11.769
12.095	10.222	9.480	7.799	6.175	5.070	4.498	4.330	12.805
12.909	10.432	9.639	7.853	6.141	4.989	4.400	4.228	13.629
13.919	10.731	9.872	7.950	6.124	4.913	4.301	4.123	14.652
14.717	10.996	10.082	8.048	6.127	4.867	4.237	4.055	15.461
15.507	11.282	10.310	8.160	6.143	4.833	4.184	3.997	16.261
16.480	11.663	10.618	8.318	6.178	4.803	4.131	3.938	17.245
17.247	11.983	10.879	8.457	6.215	4.789	4.097	3.900	18.021
18.003	12.312	11.150	8.604	6.260	4.780	4.069	3.869	18.787
18.933	12.727	11.520	8.800	6.324	4.778	4.043	3.837	19.729
19.667	13.058	11.784	8.965	6.382	4.781	4.027	3.817	20.471
20.572	13.463	12.139	9.178	6.460	4.791	4.013	3.798	21.388
21.289	13.776	12.425	9.355	6.527	4.802	4.005	3.786	22.114
22.001	14.075	12.696	9.534	6.598	4.817	4.000	3.777	22.835
22.886	14.424	13.028	9.762	6.692	4.839	3.998	3.770	23.731
23.592	14.681	13.282	9.945	6.771	4.859	3.998	3.767	24.446
24.300	14.915	13.523	10.129	6.852	4.882	4.001	3.766	25.162
25.188	15.172	13.803	10.358	6.958	4.913	4.007	3.767	26. 62
25.935	15.346	14.038	10.540	7.046	4.941	4.014	3.770	26.787
26.630	15.493	14.193	10.720	7.137	4.970	4.023	3.775	27.521
27.550	15.635	14.393	10.940	7.254	5.010	4.036	3.784	28.453
28.301	15.716	14.528	11.112	7.350	5.044	4.048	3.792	29.213
29.262	15.779	14.661	11.318	7.474	5.090	4.066	3.805	30.187
30.053	15.800	14.743	11.476	7.575	5.129	4.082	3.818	30.987
30.867	15.799	14.793	11.626	7.676	5.170	4.100	3.832	31.811
31.920	15.772	14.827	11.798	7.809	5.224	4.125	3.852	32.878
32.796	15.733	14.828	11.922	7.917	5.270	4.146	3.870	33.765
33.704	15.682	14.811	12.031	8.025	5.319	4.170	3.890	34.683
34.884	15.607	14.768	12.145	8.161	5.381	4.202	3.918	35.878

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
35.871	15.542	14.719	12.216	8.271	5.434	4.230	3.943	36.877
37.165	15.459	14.646	12.277	8.407	5.502	4.267	3.977	38.188
38.255	15.394	14.581	12.305	8.516	5.559	4.299	4.007	39.291
39.399	15.334	14.514	12.314	8.623	5.618	4.333	4.039	40.450
40.903	15.268	14.433	12.301	8.753	5.694	4.377	4.083	41.972
42.164	15.225	14.375	12.276	8.851	5.756	4.414	4.120	43.249
43.485	15.188	14.323	12.239	8.943	5.820	4.452	4.159	44.587
45.232	15.154	14.269	12.182	9.047	5.901	4.502	4.211	46.355
46.716	15.135	14.236	12.132	9.118	5.968	4.543	4.255	47.858
48.695	15.120	14.205	12.067	9.191	6.054	4.595	4.312	49.862
51.389	15.114	14.189	12.017	9.236	6.125	4.639	4.360	51.577
52.190	15.113	14.180	11.972	9.266	6.197	4.683	4.409	53.400
54.569	15.117	14.177	11.926	9.286	6.288	4.737	4.470	55.809
56.587	15.123	14.180	11.896	9.289	6.360	4.781	4.519	57.852
58.720	15.131	14.185	11.874	9.282	6.431	4.825	4.567	60. 12
61.572	15.142	14.194	11.854	9.266	6.516	4.880	4.626	62.899
64.022	15.151	14.203	11.844	9.247	6.580	4.925	4.671	65.380
66.642	15.160	14.212	11.838	9.227	6.639	4.970	4.716	68.033
70.150	15.170	14.223	11.836	9.201	6.701	5.026	4.766	71.584
73.028	15.178	14.232	11.839	9.183	6.741	5.068	4.801	74.498
76.670	15.187	14.240	11.843	9.164	6.779	5.118	4.837	78.185
79.627	15.192	14.245	11.847	9.150	6.801	5.155	4.862	81.180
82.633	15.196	14.249	11.851	9.139	6.817	5.190	4.884	84.222
86.470	15.201	14.252	11.855	9.126	6.831	5.230	4.907	88.108
89.617	15.203	14.253	11.858	9.118	6.838	5.258	4.923	91.294
92.844	15.205	14.254	11.860	9.110	6.843	5.283	4.936	94.561
97.005	15.207	14.254	11.862	9.103	6.847	5.310	4.950	98.774
100.451	15.208	14.255	11.862	9.098	6.849	5.328	4.958	102.262
104.924	15.210	14.255	11.863	9.094	6.850	5.347	4.966	106.791
108.650	15.211	14.255	11.862	9.091	6.849	5.360	4.970	110.564
112.523	15.211	14.255	11.862	9.088	6.848	5.370	4.972	114.486
117.594	15.212	14.255	11.860	9.085	6.845	5.380	4.972	119.619
121.852	15.213	14.256	11.859	9.083	6.842	5.387	4.970	123.931
126.309	15.213	14.256	11.858	9.081	6.839	5.393	4.968	128.444
132.190	15.214	14.257	11.856	9.079	6.835	5.400	4.964	134.397
137.167	15.215	14.258	11.855	9.077	6.832	5.405	4.961	139.436
143.769	15.216	14.259	11.854	9.074	6.828	5.410	4.958	146.121
149.390	15.217	14.261	11.853	9.071	6.825	5.414	4.956	151.811
155.314	15.218	14.262	11.852	9.069	6.823	5.418	4.955	157.809
163.045	15.219	14.264	11.852	9.066	6.821	5.422	4.954	165.637
169.496	15.220	14.266	11.853	9.064	6.819	5.425	4.955	172.169
176.194	15.221	14.267	11.854	9.062	6.818	5.428	4.957	178.950
184.928	15.222	14.269	11.855	9.059	6.816	5.431	4.960	187.793
192.216	15.222	14.270	11.856	9.057	6.814	5.433	4.963	195.171
291.718	15.223	14.271	11.858	9.055	6.812	5.435	4.967	204.792

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	42.986	41.843	38.850	35.058	31.590	29.230	28.405	1.414
1.105	39.918	38.859	36.094	32.608	29.439	27.305	26.561	1.679
1.385	36.712	35.734	33.189	30.003	27.131	25.215	24.548	1.962
1.811	32.414	31.538	29.285	26.504	24.044	22.428	21.868	2.394
2.329	28.257	27.476	25.469	23.056	20.983	19.663	19.220	2.917
2.941	24.758	24.035	22.195	20.040	18.238	17.116	16.741	3.537
3.795	21.463	20.768	19.023	17.050	15.465	14.524	14.223	4.402
4.594	19.496	18.793	17.051	15.129	13.626	12.760	12.491	5.211
5.458	18.115	17.385	15.598	13.668	12.194	11.362	11.107	6.085
6.371	17.196	16.421	14.553	12.576	11.094	10.272	10.024	7.018
7.318	16.632	15.799	13.819	11.765	10.253	9.424	9.175	7.969
8.287	16.345	15.439	13.319	11.165	9.608	8.765	8.511	8.950
9.466	16.282	15.274	12.954	10.650	9.024	8.157	7.898	10.144
10.452	16.409	15.307	12.799	10.351	8.655	7.763	7.498	11.142
11.434	16.658	15.457	12.746	10.140	8.367	7.447	7.176	12.136
12.407	17.000	15.696	12.774	9.999	8.142	7.192	6.914	13.122
13.367	17.418	16.004	12.864	9.911	7.967	6.985	6.699	14.093
14.310	17.905	16.371	13.001	9.867	7.832	6.817	6.523	15.048
15.415	18.574	16.883	13.217	9.857	7.710	6.655	6.352	16.167
16.312	19.195	17.364	13.433	9.878	7.636	6.548	6.237	17.175
17.188	19.864	17.889	13.677	9.919	7.581	6.459	6.142	17.962
18.041	20.568	18.450	13.948	9.978	7.542	6.387	6.062	18.826
18.874	21.292	19.040	14.242	10.051	7.515	6.328	5.996	19.669
19.687	22.023	19.648	14.558	10.137	7.500	6.279	5.941	20.492
20.641	22.890	20.389	14.960	10.256	7.494	6.233	5.887	21.458
21.419	23.590	21.006	15.312	10.365	7.497	6.203	5.850	22.246
22.185	24.256	21.614	15.676	10.484	7.507	6.179	5.819	23.022
22.942	24.878	22.205	16.051	10.612	7.523	6.160	5.794	23.788
23.693	25.448	22.770	16.433	10.748	7.544	6.146	5.774	24.548
24.440	25.957	23.305	16.820	10.892	7.571	6.137	5.758	25.304
25.335	26.481	23.894	17.289	11.075	7.608	6.131	5.744	26.211
26.084	26.839	24.336	17.681	11.235	7.645	6.130	5.736	26.969
26.839	27.125	24.727	18.071	11.403	7.686	6.132	5.732	27.733
27.603	27.338	25.062	18.456	11.578	7.732	6.138	5.731	28.506
28.379	27.480	25.339	18.834	11.760	7.782	6.147	5.733	29.292
29.171	27.557	25.554	19.201	11.950	7.836	6.159	5.738	30.094
30.148	27.569	25.731	19.622	12.188	7.907	6.179	5.748	31.084
30.989	27.520	25.811	19.951	12.395	7.972	6.198	5.761	31.935
31.859	27.425	25.832	20.255	12.609	8.041	6.222	5.777	32.815
32.755	27.294	25.801	20.527	12.830	8.115	6.248	5.796	33.723
33.682	27.134	25.721	20.762	13.057	8.193	6.279	5.820	34.661
34.645	26.957	25.601	20.956	13.290	8.276	6.313	5.847	35.636
35.855	26.735	25.413	21.130	13.576	8.383	6.358	5.885	36.862
36.918	26.556	25.232	21.221	13.819	8.478	6.401	5.922	37.938
38.025	26.392	25.044	21.262	14.062	8.577	6.447	5.964	39.059

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
39.171	26.251	24.861	21.256	14.301	8.680	6.496	6.009	40.219
40.362	26.133	24.691	21.207	14.534	8.788	6.549	6.059	41.425
41.606	26.040	24.543	21.120	14.758	8.901	6.605	6.114	42.685
43.181	25.959	24.398	20.977	15.008	9.044	6.676	6.187	44.279
44.573	25.916	24.306	20.835	15.197	9.170	6.740	6.254	45.688
46.047	25.891	24.241	20.682	15.363	9.303	6.807	6.326	47.181
47.617	25.881	24.201	20.530	15.501	9.444	6.878	6.404	48.771
49.270	25.884	24.184	20.390	15.606	9.591	6.952	6.487	50.444
50.990	25.896	24.184	20.271	15.675	9.743	7.026	6.572	52.185
53.157	25.919	24.199	20.157	15.713	9.930	7.119	6.678	54.379
55.063	25.943	24.219	20.088	15.712	10.088	7.199	6.770	56.309
57.077	25.970	24.244	20.040	15.686	10.248	7.281	6.864	58.348
59.213	25.997	24.272	20.013	15.640	10.406	7.367	6.960	60.511
61.492	26.024	24.303	20.001	15.580	10.560	7.456	7.057	62.818
63.935	26.047	24.334	20.002	15.512	10.705	7.549	7.155	65.292
67.114	26.068	24.367	20.015	15.427	10.861	7.666	7.271	68.510
69.930	26.082	24.390	20.032	15.362	10.971	7.764	7.363	71.362
72.874	26.093	24.406	20.052	15.304	11.059	7.862	7.448	74.342
75.847	26.101	24.416	20.073	15.258	11.125	7.955	7.521	77.352
78.839	26.108	24.421	20.093	15.223	11.172	8.044	7.585	80.381
81.859	26.113	24.422	20.110	15.195	11.203	8.125	7.641	83.439
85.534	26.117	24.421	20.125	15.171	11.227	8.214	7.697	87.160
88.651	26.119	24.420	20.134	15.157	11.237	8.279	7.736	90.316
91.829	26.120	24.418	20.140	15.147	11.241	8.337	7.767	93.533
95.078	26.121	24.416	20.142	15.141	11.240	8.388	7.792	96.822
98.408	26.122	24.414	20.143	15.136	11.234	8.431	7.810	100.194
101.829	26.123	24.412	20.142	15.133	11.225	8.468	7.822	103.658
106.071	26.124	24.410	20.139	15.131	11.211	8.504	7.829	107.953
109.732	26.125	24.409	20.135	15.131	11.197	8.529	7.829	111.659
113.519	26.126	24.409	20.132	15.131	11.182	8.549	7.824	115.493
117.443	26.127	24.409	20.128	15.131	11.167	8.566	7.816	119.466
121.517	26.127	24.410	20.124	15.131	11.152	8.581	7.806	123.591
125.754	26.127	24.412	20.120	15.131	11.138	8.593	7.794	127.881
131.072	26.128	24.413	20.116	15.131	11.124	8.605	7.779	133.265
135.716	26.129	24.415	20.112	15.131	11.114	8.613	7.767	137.967
140.572	26.130	24.417	20.110	15.130	11.106	8.619	7.756	142.884
145.657	26.131	24.419	20.107	15.128	11.099	8.624	7.747	148.032
150.992	26.132	24.421	20.106	15.126	11.093	8.628	7.740	153.434
156.599	26.134	24.423	20.105	15.123	11.088	8.631	7.735	159.111
163.723	26.135	24.425	20.104	15.119	11.084	8.633	7.733	166.324
170.023	26.137	24.427	20.104	15.115	11.081	8.634	7.733	172.702
176.689	26.138	24.429	20.105	15.110	11.079	8.635	7.735	179.451
183.756	26.139	24.431	20.106	15.105	11.078	8.636	7.739	186.616
191.268	26.141	24.433	20.108	15.100	11.076	8.637	7.745	194.212
201.938	26.142	24.435	20.111	15.094	11.075	8.639	7.754	204.902

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

R / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.844	66.785	65.035	60.350	54.446	49.036	45.379	44.099	1.414
1.104	61.959	60.311	56.008	50.587	45.661	42.343	41.184	1.678
1.461	55.595	54.107	50.249	45.428	41.099	38.213	37.209	2.038
2.002	47.573	46.271	42.936	38.852	35.272	32.942	32.140	2.587
2.555	41.392	40.214	37.215	33.657	30.635	28.733	28.097	3.146
3.340	35.407	34.326	31.588	28.441	25.857	24.280	23.761	3.941
4.247	31.037	29.967	27.300	24.331	21.988	20.625	20.198	4.859
5.253	28.086	26.978	24.263	21.321	19.066	17.791	17.399	5.878
6.149	26.470	25.332	22.481	19.486	17.236	15.987	15.609	6.785
7.269	25.287	24.017	21.004	17.885	15.593	14.338	13.961	7.919
8.418	24.722	23.320	20.055	16.758	14.389	13.112	12.729	9.083
9.386	24.609	23.078	19.562	16.081	13.629	12.324	11.935	10.063
10.540	24.794	23.093	19.237	15.501	12.930	11.584	11.185	11.240
11.701	25.232	23.352	19.131	15.111	12.404	11.011	10.601	12.406
12.834	25.857	23.785	19.184	14.862	12.008	10.562	10.140	13.554
13.759	26.498	24.252	19.317	14.735	11.754	10.263	9.829	14.490
14.842	27.405	24.924	19.560	14.656	11.519	9.972	9.526	15.587
15.891	28.456	25.715	19.878	14.640	11.342	9.741	9.283	16.649
16.739	29.429	26.457	20.193	14.663	11.230	9.584	9.116	17.508
17.725	30.667	27.434	20.625	14.726	11.130	9.428	8.949	18.506
18.678	32.012	28.486	21.113	14.821	11.058	9.303	8.812	19.471
19.601	33.369	29.593	21.649	14.944	11.010	9.201	8.700	20.404
20.348	34.500	30.539	22.129	15.065	10.985	9.130	8.620	21.161
21.223	35.826	31.683	22.738	15.230	10.970	9.060	8.540	22.047
22.078	37.091	32.819	23.378	15.414	10.969	9.003	8.472	22.913
22.778	38.079	33.743	23.931	15.582	10.977	8.965	8.425	23.621
23.606	39.165	34.810	24.613	15.799	10.997	8.927	8.377	24.463
24.426	40.125	35.813	25.312	16.032	11.027	8.899	8.338	25.290
25.242	40.944	36.737	26.022	16.281	11.066	8.878	8.306	26.116
25.921	41.512	37.437	26.617	16.501	11.106	8.866	8.285	26.804
26.740	42.054	38.179	27.333	16.778	11.161	8.857	8.265	27.633
27.567	42.444	38.807	28.045	17.070	11.224	8.856	8.252	28.471
28.408	42.687	39.313	28.744	17.379	11.296	8.860	8.245	29.322
29.122	42.783	39.637	29.313	17.649	11.362	8.868	8.243	30.044
30.000	42.780	39.907	29.971	17.909	11.449	8.883	8.246	30.933
30.906	42.659	40.048	30.592	18.348	11.545	8.905	8.256	31.851
31.683	42.481	40.070	31.072	18.660	11.632	8.927	8.268	32.638
32.643	42.193	39.987	31.589	19.049	11.743	8.960	8.289	33.639
33.638	41.847	39.798	32.032	19.454	11.863	8.999	8.316	34.617
34.676	41.471	39.518	32.389	19.875	11.992	9.044	8.350	35.668
35.580	41.155	39.231	32.614	20.237	12.108	9.087	8.384	36.583
36.712	40.795	38.847	32.789	20.683	12.256	9.145	8.432	37.733
37.883	40.481	38.458	32.857	21.128	12.412	9.209	8.488	38.915
38.890	40.259	38.149	32.833	21.496	12.548	9.266	8.540	39.934
40.144	40.044	37.814	32.718	21.929	12.720	9.341	8.610	41.204

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0°

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
41.458	39.885	37.530	32.519	22.348	12.903	9.422	8.689	42.535
42.843	39.779	37.306	32.254	22.744	13.099	9.510	8.778	43.937
44.060	39.726	37.167	32.000	23.050	13.274	9.588	8.860	45.169
45.608	39.697	37.058	31.676	23.378	13.499	9.689	8.969	46.736
47.258	39.697	37.004	31.358	23.648	13.741	9.797	9.090	48.407
48.684	39.716	36.998	31.121	23.821	13.952	9.890	9.196	49.850
50.454	39.752	37.018	30.881	23.958	14.214	10.005	9.330	51.643
52.304	39.799	37.059	30.695	24.023	14.488	10.126	9.472	53.515
54.246	39.855	37.112	30.563	24.022	14.770	10.252	9.621	55.482
55.949	39.903	37.161	30.492	23.977	15.012	10.362	9.750	57.206
58.109	39.961	37.227	30.448	23.881	15.304	10.501	9.912	59.393
60.419	40.014	37.295	30.440	23.752	15.594	10.648	10.078	61.732
62.477	40.050	37.351	30.455	23.627	15.829	10.778	10.222	63.815
65.133	40.083	37.412	30.489	23.470	16.094	10.943	10.397	66.505
67.956	40.106	37.458	30.536	23.320	16.328	11.114	10.569	69.362
70.906	40.122	37.489	30.588	23.190	16.521	11.288	10.732	72.350
73.478	40.129	37.500	30.632	23.098	16.649	11.434	10.860	74.953
76.566	40.135	37.502	30.681	23.013	16.764	11.605	11.001	78.181
79.868	40.141	37.500	30.725	22.955	16.842	11.765	11.121	81.423
83.094	40.144	37.493	30.756	22.917	16.889	11.912	11.223	84.689
85.809	40.145	37.487	30.773	22.897	16.911	12.025	11.296	87.438
89.110	40.146	37.480	30.787	22.882	16.920	12.147	11.368	90.780
92.471	40.147	37.474	30.791	22.874	16.913	12.254	11.424	94.183
95.325	40.148	37.468	30.790	22.872	16.897	12.333	11.460	97.073
98.826	40.150	37.463	30.785	22.872	16.870	12.416	11.490	100.617
102.420	40.152	37.459	30.778	22.874	16.836	12.486	11.506	104.256
106.119	40.154	37.457	30.769	22.877	16.799	12.545	11.511	108.001
109.290	40.155	37.457	30.762	22.880	16.766	12.587	11.507	111.212
113.213	40.156	37.458	30.753	22.884	16.728	12.630	11.493	115.183
117.274	40.157	37.460	30.744	22.888	16.693	12.664	11.473	119.295
120.774	40.158	37.463	30.737	22.891	16.666	12.688	11.453	122.839
125.124	40.158	37.466	30.729	22.895	16.638	12.711	11.426	127.243
129.651	40.158	37.469	30.722	22.898	16.614	12.728	11.397	131.827
134.370	40.159	37.472	30.716	22.900	16.593	12.740	11.370	136.605
138.461	40.160	37.475	30.713	22.901	16.577	12.746	11.348	140.747
143.575	40.161	37.477	30.709	22.901	16.561	12.751	11.324	145.924
148.930	40.163	37.480	30.707	22.900	16.547	12.752	11.304	151.346
153.590	40.164	37.482	30.706	22.897	16.537	12.751	11.290	156.064
159.439	40.166	37.485	30.705	22.893	16.527	12.750	11.278	161.986
165.592	40.168	37.487	30.706	22.888	16.520	12.747	11.270	168.215
172.073	40.170	37.490	30.707	22.881	16.516	12.745	11.267	174.778
177.748	40.172	37.491	30.708	22.874	16.514	12.743	11.268	180.523
184.913	40.175	37.494	30.710	22.866	16.515	12.741	11.273	187.778
192.503	40.177	37.496	30.712	22.857	16.517	12.741	11.282	195.462
200.560	40.179	37.498	30.716	22.848	16.520	12.742	11.295	203.619

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.844	95.874	93.323	86.620	78.143	70.368	65.109	63.262	1.414
1.168	87.172	84.845	78.775	71.139	64.227	59.585	57.969	1.743
1.540	77.773	75.686	70.282	63.553	57.526	53.523	52.132	2.119
2.102	66.316	64.487	59.810	54.109	49.138	45.929	44.813	2.688
2.796	56.141	54.509	50.367	45.499	41.410	38.856	38.002	3.390
3.619	48.260	46.728	42.875	38.498	34.957	32.834	32.147	4.224
4.557	42.662	41.124	37.318	33.119	29.843	27.956	27.371	5.173
5.584	38.941	37.334	33.421	29.218	26.027	24.239	23.693	6.214
6.675	36.627	34.900	30.772	26.446	23.234	21.467	20.935	7.317
7.803	35.346	33.455	29.017	24.483	21.193	19.407	18.870	8.460
8.951	34.830	32.736	27.907	23.095	19.684	17.861	17.316	9.622
10.103	34.881	32.555	27.268	22.121	18.556	16.682	16.126	10.788
11.436	35.444	32.828	26.955	21.359	17.585	15.638	15.065	12.138
12.558	36.229	33.349	26.950	20.941	16.969	14.952	14.362	13.275
13.655	37.241	34.069	27.118	20.680	16.500	14.410	13.803	14.385
14.721	38.471	34.966	27.415	20.536	16.143	13.979	13.355	15.464
15.751	39.912	36.033	27.817	20.479	15.870	13.634	12.993	16.517
16.746	41.541	37.260	28.311	20.491	15.664	13.354	12.698	17.514
17.705	43.321	38.626	28.891	20.556	15.508	13.126	12.455	18.485
18.629	45.295	40.106	29.549	20.666	15.393	12.939	12.254	19.421
19.522	47.144	41.667	30.278	20.814	15.311	12.784	12.085	20.325
20.386	49.089	43.280	31.067	20.996	15.255	12.657	11.943	21.200
21.226	50.993	44.914	31.910	21.206	15.222	12.551	11.824	22.050
22.179	53.109	46.806	32.949	21.487	15.206	12.450	11.706	23.015
22.977	54.789	48.385	33.880	21.753	15.211	12.379	11.622	23.823
23.763	56.313	49.898	34.841	22.043	15.230	12.322	11.551	24.619
24.540	57.658	51.321	35.826	22.355	15.262	12.276	11.491	25.406
25.312	58.806	52.632	36.827	22.688	15.307	12.240	11.441	26.187
26.083	59.747	53.815	37.838	23.041	15.362	12.214	11.400	26.968
26.857	60.478	54.851	38.852	23.415	15.429	12.196	11.367	27.751
27.637	60.999	55.729	39.861	23.811	15.505	12.187	11.343	28.541
28.429	61.318	56.439	40.857	24.230	15.593	12.185	11.326	29.343
29.237	61.445	56.974	41.830	24.672	15.691	12.190	11.316	30.161
30.065	61.390	57.329	42.769	25.139	15.800	12.204	11.314	31.000
31.063	61.119	57.516	43.801	25.718	15.941	12.228	11.320	32.010
31.944	60.739	57.486	44.608	26.239	16.074	12.258	11.333	32.902
32.852	60.255	57.289	45.326	26.784	16.217	12.294	11.355	33.821
33.793	59.706	56.945	45.942	27.353	16.372	12.339	11.384	34.774
34.774	59.131	56.477	46.437	27.946	16.540	12.392	11.421	35.767
35.800	58.567	55.921	46.798	28.563	16.720	12.453	11.468	36.806
36.862	58.055	55.330	47.010	29.190	16.912	12.522	11.524	37.881
37.953	57.614	54.748	47.070	29.818	17.114	12.598	11.589	38.986
39.082	57.252	54.209	46.985	30.442	17.327	12.681	11.664	40.128
40.254	56.972	53.733	46.765	31.058	17.554	12.773	11.750	41.316
41.480	56.771	53.336	46.431	31.656	17.797	12.873	11.847	42.557

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
42.990	56.627	52.984	45.933	32.319	18.102	13.000	11.977	44.185
44.364	56.569	52.782	45.449	32.842	18.387	13.120	12.103	45.477
45.826	56.558	52.667	44.951	33.304	18.695	13.249	12.246	46.957
47.350	56.584	52.630	44.482	33.684	19.025	13.386	12.401	48.610
48.938	56.637	52.651	44.076	33.963	19.368	13.527	12.565	50.418
50.571	56.705	52.706	43.742	34.139	19.729	13.675	12.741	51.761
52.269	56.786	52.786	43.488	34.216	20.104	13.830	12.927	53.480
54.044	56.874	52.878	43.312	34.202	20.495	13.992	13.123	55.278
55.911	56.963	52.978	43.209	34.108	20.898	14.165	13.329	57.168
57.886	57.049	53.083	43.166	33.950	21.310	14.346	13.545	59.167
59.986	57.123	53.188	43.174	33.744	21.724	14.541	13.771	61.294
62.626	57.192	53.306	43.228	33.467	22.196	14.784	14.046	63.966
65.076	57.231	53.391	43.299	33.219	22.580	15.008	14.290	66.447
67.645	57.257	53.454	43.384	32.989	22.923	15.238	14.527	69.047
70.313	57.273	53.491	43.473	32.788	23.212	15.473	14.756	71.746
73.086	57.279	53.501	43.558	32.624	23.445	15.711	14.974	74.557
75.991	57.282	53.496	43.637	32.498	23.624	15.949	15.180	77.498
78.979	57.284	53.483	43.704	32.411	23.751	16.178	15.363	80.514
81.958	57.286	53.468	43.756	32.358	23.832	16.393	15.521	83.539
84.966	57.286	53.454	43.789	32.326	23.874	16.592	15.655	86.585
88.006	57.285	53.440	43.806	32.311	23.884	16.773	15.766	89.662
91.086	57.286	53.427	43.811	32.308	23.868	16.937	15.855	92.781
94.745	57.289	53.415	43.804	32.311	23.825	17.106	15.933	96.486
97.948	57.292	53.406	43.792	32.317	23.771	17.232	15.978	99.729
101.223	57.296	53.401	43.777	32.326	23.709	17.343	16.005	103.044
104.578	57.300	53.399	43.762	32.335	23.643	17.440	16.015	106.441
108.023	57.303	53.400	43.747	32.343	23.576	17.523	16.010	109.929
111.567	57.305	53.403	43.732	32.351	23.513	17.594	15.992	113.517
115.218	57.306	53.408	43.717	32.359	23.456	17.653	15.964	117.214
118.987	57.306	53.414	43.704	32.367	23.405	17.700	15.929	121.030
122.884	57.307	53.42	43.693	32.373	23.361	17.737	15.889	124.975
126.918	57.307	53.425	43.683	32.378	23.324	17.764	15.845	129.059
131.099	57.307	53.429	43.674	32.384	23.291	17.782	15.801	133.293
136.180	57.308	53.434	43.667	32.389	23.257	17.794	15.751	138.438
140.722	57.309	53.437	43.663	32.392	23.231	17.797	15.710	143.036
145.449	57.310	53.440	43.660	32.393	23.207	17.796	15.673	147.822
150.374	57.311	53.443	43.659	32.392	23.185	17.791	15.640	152.809
155.512	57.313	53.445	43.659	32.389	23.165	17.784	15.613	158.011
160.878	57.315	53.448	43.660	32.384	23.148	17.776	15.591	163.443
166.487	57.318	53.449	43.661	32.377	23.136	17.768	15.576	169.122
172.358	57.321	53.451	43.663	32.368	23.128	17.761	15.567	175.066
178.508	57.324	53.453	43.665	32.357	23.124	17.756	15.565	181.293
184.961	57.327	53.455	43.667	32.346	23.125	17.752	15.570	187.826
191.738	57.330	53.459	43.670	32.334	23.130	17.749	15.580	194.688
200.093	57.333	53.461	43.674	32.320	23.139	17.748	15.600	203.146

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	2.051	2.036	1.887	1.733	1.590	1.491	1.456	1.396
.920	2.038	1.991	1.870	1.713	1.568	1.469	1.434	1.491
.971	2.051	2.015	1.892	1.735	1.589	1.489	1.454	1.543
1.143	2.068	2.022	1.901	1.747	1.603	1.506	1.471	1.718
1.275	2.057	2.011	1.891	1.737	1.597	1.501	1.467	1.852
1.500	2.033	1.987	1.868	1.718	1.580	1.487	1.455	2.080
1.669	2.010	1.965	1.848	1.700	1.566	1.476	1.444	2.252
1.856	1.985	1.940	1.825	1.680	1.549	1.462	1.432	2.441
2.167	1.939	1.896	1.783	1.643	1.520	1.438	1.410	2.758
2.397	1.905	1.863	1.751	1.615	1.498	1.421	1.395	2.991
2.777	1.873	1.830	1.718	1.583	1.468	1.397	1.373	3.377
3.054	1.857	1.814	1.702	1.567	1.452	1.381	1.358	3.658
3.350	1.842	1.799	1.687	1.554	1.438	1.367	1.344	3.959
3.830	1.827	1.784	1.670	1.536	1.422	1.350	1.327	4.446
4.174	1.822	1.778	1.662	1.528	1.415	1.343	1.320	4.796
4.728	1.820	1.775	1.657	1.520	1.406	1.337	1.315	5.358
5.122	1.822	1.776	1.656	1.517	1.403	1.335	1.313	5.758
5.750	1.828	1.781	1.658	1.518	1.402	1.333	1.312	6.396
6.194	1.835	1.787	1.662	1.520	1.403	1.334	1.313	6.846
6.657	1.843	1.794	1.667	1.523	1.406	1.336	1.315	7.317
7.390	1.856	1.806	1.677	1.530	1.411	1.341	1.320	8.061
7.904	1.865	1.814	1.683	1.535	1.415	1.346	1.325	8.583
8.713	1.880	1.828	1.695	1.544	1.423	1.354	1.333	9.405
9.278	1.889	1.837	1.702	1.550	1.429	1.359	1.338	9.978
9.863	1.899	1.846	1.710	1.556	1.434	1.364	1.344	10.573
10.780	1.913	1.859	1.721	1.566	1.442	1.373	1.352	11.504
11.418	1.921	1.867	1.728	1.572	1.448	1.378	1.358	12.151
12.413	1.933	1.879	1.738	1.580	1.456	1.386	1.366	13.162
13.104	1.941	1.886	1.745	1.586	1.461	1.391	1.371	13.863
14.180	1.951	1.896	1.754	1.594	1.468	1.398	1.378	14.956
14.925	1.957	1.902	1.759	1.599	1.472	1.403	1.383	15.712
15.692	1.963	1.907	1.764	1.603	1.476	1.407	1.387	16.491
16.885	1.971	1.915	1.771	1.609	1.482	1.412	1.392	17.723
17.709	1.976	1.920	1.776	1.613	1.486	1.416	1.396	18.540
18.990	1.983	1.926	1.782	1.619	1.491	1.421	1.401	19.840
19.873	1.987	1.930	1.785	1.622	1.494	1.424	1.404	20.737
20.782	1.990	1.934	1.789	1.625	1.497	1.426	1.406	21.663
22.192	1.995	1.938	1.794	1.629	1.501	1.430	1.410	23.091
23.164	1.998	1.941	1.796	1.632	1.503	1.432	1.412	24.079
24.673	2.002	1.945	1.800	1.635	1.506	1.436	1.415	25.611
25.714	2.004	1.948	1.803	1.638	1.508	1.437	1.417	26.668
27.329	2.007	1.951	1.806	1.641	1.511	1.440	1.420	28.308
28.444	2.009	1.953	1.808	1.643	1.512	1.442	1.421	29.439
29.589	2.011	1.955	1.810	1.644	1.514	1.443	1.423	30.602
31.367	2.013	1.957	1.812	1.647	1.516	1.445	1.425	32.408

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.0°

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.595	2.014	1.958	1.814	1.648	1.517	1.446	1.426	33.655
34.503	2.016	1.960	1.816	1.650	1.519	1.448	1.427	35.592
35.820	2.017	1.961	1.817	1.651	1.520	1.449	1.428	36.930
37.177	2.018	1.962	1.819	1.653	1.521	1.450	1.429	38.307
39.287	2.019	1.964	1.820	1.654	1.523	1.451	1.430	40.450
40.746	2.020	1.965	1.821	1.655	1.524	1.452	1.431	41.932
43.017	2.021	1.966	1.823	1.657	1.525	1.453	1.432	44.238
44.589	2.021	1.966	1.823	1.657	1.526	1.453	1.433	45.834
47.037	2.022	1.967	1.825	1.659	1.527	1.454	1.433	48.320
48.732	2.022	1.968	1.825	1.659	1.528	1.455	1.434	50.041
50.479	2.023	1.968	1.826	1.660	1.528	1.455	1.434	51.815
53.202	2.023	1.969	1.827	1.661	1.529	1.456	1.435	54.580
55.088	2.023	1.969	1.827	1.661	1.530	1.457	1.436	56.495
58.028	2.024	1.969	1.828	1.662	1.530	1.457	1.436	59.480
60.064	2.024	1.970	1.829	1.663	1.531	1.458	1.437	61.548
62.165	2.024	1.970	1.829	1.663	1.531	1.458	1.437	63.681
65.440	2.024	1.970	1.830	1.664	1.532	1.459	1.437	67.007
67.710	2.025	1.971	1.830	1.664	1.532	1.459	1.438	69.312
71.250	2.025	1.971	1.830	1.665	1.533	1.459	1.438	72.906
73.703	2.025	1.971	1.831	1.665	1.533	1.460	1.438	75.397
77.528	2.025	1.971	1.831	1.666	1.533	1.460	1.439	79.282
80.180	2.025	1.971	1.831	1.666	1.533	1.460	1.439	81.974
82.916	2.026	1.971	1.831	1.666	1.534	1.460	1.439	84.752
87.183	2.026	1.971	1.832	1.667	1.534	1.461	1.439	89.085
90.141	2.026	1.972	1.832	1.667	1.534	1.461	1.439	92.088
94.755	2.026	1.972	1.832	1.667	1.534	1.461	1.440	96.774
97.953	2.026	1.972	1.832	1.668	1.535	1.461	1.440	100.021
101.253	2.026	1.972	1.832	1.668	1.535	1.461	1.440	103.373
105.402	2.026	1.972	1.832	1.668	1.535	1.461	1.440	108.600
109.971	2.026	1.972	1.832	1.668	1.535	1.462	1.440	112.224
115.539	2.027	1.972	1.832	1.669	1.535	1.462	1.440	117.878
119.399	2.027	1.972	1.832	1.669	1.536	1.462	1.440	121.798
125.421	2.027	1.972	1.832	1.669	1.536	1.462	1.440	127.913
129.597	2.027	1.972	1.832	1.669	1.536	1.462	1.440	132.153
133.905	2.027	1.972	1.832	1.669	1.536	1.462	1.440	136.528
140.627	2.027	1.972	1.832	1.669	1.536	1.462	1.440	143.353
145.287	2.027	1.972	1.832	1.669	1.536	1.462	1.440	148.086
152.558	2.027	1.972	1.832	1.669	1.537	1.462	1.440	155.469
157.600	2.027	1.972	1.832	1.669	1.537	1.462	1.440	160.588
162.802	2.027	1.972	1.832	1.669	1.537	1.462	1.440	165.870
170.918	2.027	1.972	1.832	1.669	1.537	1.462	1.440	174.112
176.546	2.027	1.972	1.832	1.670	1.537	1.462	1.440	179.827
185.326	2.027	1.972	1.832	1.670	1.537	1.462	1.440	188.742
191.414	2.027	1.973	1.832	1.670	1.537	1.462	1.440	194.924
200.913	2.027	1.973	1.832	1.670	1.537	1.462	1.440	204.569

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	3.511	3.426	3.205	2.922	2.660	2.481	2.418	1.396
.922	3.452	3.367	3.145	2.861	2.600	2.421	2.359	1.493
1.035	3.437	3.354	3.137	2.860	2.604	2.430	2.369	1.608
1.237	3.339	3.258	3.046	2.778	2.534	2.369	2.311	1.814
1.392	3.260	3.180	2.974	2.713	2.476	2.316	2.260	1.970
1.650	3.129	3.053	2.854	2.605	2.381	2.232	2.179	2.233
1.941	2.996	2.922	2.730	2.492	2.280	2.141	2.093	2.528
2.154	2.903	2.831	2.644	2.414	2.211	2.080	2.034	2.744
2.505	2.776	2.705	2.521	2.300	2.110	1.988	1.948	3.101
2.895	2.677	2.606	2.424	2.206	2.021	1.904	1.865	3.497
3.323	2.596	2.525	2.342	2.126	1.944	1.830	1.792	3.932
3.630	2.553	2.481	2.296	2.080	1.899	1.787	1.750	4.244
4.123	2.506	2.432	2.242	2.022	1.841	1.732	1.696	4.744
4.653	2.476	2.400	2.204	1.980	1.796	1.685	1.651	5.282
5.027	2.466	2.387	2.187	1.958	1.772	1.660	1.625	5.662
5.617	2.461	2.379	2.171	1.935	1.745	1.631	1.595	6.261
6.242	2.468	2.382	2.166	1.922	1.726	1.610	1.574	6.895
6.901	2.484	2.394	2.169	1.917	1.715	1.597	1.560	7.564
7.358	2.498	2.406	2.175	1.917	1.711	1.591	1.554	8.029
8.073	2.525	2.429	2.189	1.922	1.710	1.587	1.548	8.754
8.820	2.557	2.457	2.208	1.931	1.712	1.586	1.547	9.514
9.337	2.579	2.477	2.222	1.939	1.716	1.588	1.549	10.038
10.141	2.614	2.508	2.245	1.953	1.724	1.593	1.553	10.855
10.980	2.649	2.541	2.270	1.970	1.735	1.601	1.560	11.706
11.559	2.672	2.562	2.287	1.982	1.742	1.606	1.565	12.294
12.458	2.706	2.594	2.313	2.000	1.755	1.617	1.575	13.207
13.396	2.739	2.624	2.338	2.019	1.769	1.628	1.585	14.160
14.376	2.769	2.653	2.363	2.037	1.783	1.640	1.597	15.154
15.052	2.788	2.671	2.379	2.049	1.792	1.648	1.605	15.841
16.104	2.814	2.697	2.401	2.067	1.806	1.660	1.617	16.910
17.203	2.838	2.720	2.422	2.084	1.820	1.673	1.629	18.026
17.963	2.852	2.734	2.435	2.095	1.828	1.681	1.637	18.798
19.138	2.872	2.753	2.453	2.110	1.841	1.692	1.649	19.990
20.343	2.890	2.771	2.469	2.124	1.853	1.703	1.660	21.214
21.581	2.905	2.786	2.484	2.137	1.864	1.713	1.670	22.471
22.425	2.914	2.795	2.493	2.145	1.870	1.720	1.676	23.328
23.719	2.926	2.808	2.506	2.156	1.880	1.728	1.685	24.642
25.049	2.937	2.819	2.517	2.166	1.888	1.737	1.693	25.993
25.957	2.943	2.825	2.524	2.172	1.894	1.742	1.698	26.915
27.354	2.951	2.834	2.533	2.181	1.901	1.749	1.705	28.333
28.794	2.958	2.842	2.541	2.189	1.908	1.755	1.712	29.795
30.281	2.964	2.848	2.549	2.196	1.914	1.761	1.718	31.305
31.301	2.967	2.852	2.554	2.200	1.918	1.764	1.721	32.341
32.874	2.971	2.857	2.560	2.206	1.924	1.769	1.726	33.939
34.504	2.973	2.861	2.565	2.212	1.929	1.774	1.731	35.594

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
35.624	2.975	2.863	2.569	2.216	1.932	1.777	1.733	36.731
37.356	2.976	2.865	2.573	2.221	1.937	1.781	1.737	38.489
39.153	2.977	2.867	2.577	2.225	1.941	1.784	1.741	40.314
40.388	2.978	2.868	2.579	2.228	1.943	1.787	1.743	41.569
42.301	2.979	2.869	2.582	2.232	1.947	1.790	1.746	43.511
44.289	2.979	2.870	2.585	2.235	1.950	1.793	1.749	45.529
46.354	2.980	2.871	2.587	2.238	1.953	1.796	1.751	47.626
47.776	2.980	2.871	2.588	2.240	1.955	1.797	1.753	49.[illegible]7
49.979	2.981	2.872	2.589	2.243	1.958	1.800	1.755	51.307
52.270	2.981	2.872	2.590	2.246	1.960	1.802	1.757	53.633
53.848	2.981	2.872	2.591	2.247	1.962	1.803	1.758	55.236
56.294	2.981	2.873	2.592	2.249	1.964	1.805	1.760	57.72[illegible]
58.839	2.981	2.873	2.592	2.251	1.966	1.807	1.762	60.304
61.488	2.981	2.873	2.593	2.253	1.968	1.808	1.763	62.993
63.312	2.982	2.873	2.593	2.254	1.969	1.809	1.764	64.346
66.142	2.982	2.873	2.594	2.255	1.970	1.811	1.765	67.720
69.087	2.982	2.873	2.594	2.256	1.972	1.812	1.766	70.710
71.117	2.982	2.873	2.594	2.257	1.973	1.813	1.767	72.772
74.266	2.982	2.873	2.594	2.258	1.974	1.814	1.768	75.968
77.543	2.982	2.873	2.594	2.259	1.975	1.815	1.769	79.296
80.954	2.982	2.873	2.594	2.260	1.976	1.815	1.770	82.760
83.305	2.983	2.873	2.594	2.260	1.977	1.816	1.770	85.147
86.952	2.983	2.873	2.594	2.261	1.978	1.817	1.771	88.850
90.748	2.983	2.873	2.594	2.261	1.979	1.817	1.771	92.705
93.365	2.983	2.873	2.594	2.261	1.980	1.818	1.772	95.363
97.425	2.983	2.873	2.594	2.261	1.981	1.818	1.772	99.485
101.651	2.984	2.874	2.594	2.262	1.981	1.819	1.772	103.776
104.564	2.984	2.874	2.594	2.262	1.982	1.819	1.773	106.734
109.083	2.984	2.874	2.594	2.262	1.983	1.819	1.773	111.323
113.788	2.984	2.874	2.594	2.262	1.983	1.820	1.773	116.100
118.686	2.984	2.874	2.593	2.262	1.984	1.820	1.773	121.074
122.052	2.984	2.874	2.593	2.262	1.984	1.820	1.773	124.502
127.300	2.985	2.874	2.593	2.262	1.984	1.821	1.773	129.821
132.754	2.985	2.874	2.593	2.262	1.985	1.821	1.773	135.359
136.513	2.985	2.874	2.593	2.262	1.985	1.821	1.773	139.176
142.345	2.985	2.874	2.593	2.262	1.985	1.822	1.773	145.098
148.417	2.985	2.875	2.593	2.262	1.985	1.822	1.773	151.264
154.739	2.985	2.875	2.593	2.262	1.986	1.822	1.773	157.683
159.097	2.985	2.875	2.593	2.261	1.986	1.822	1.773	162.108
165.858	2.985	2.875	2.593	2.261	1.986	1.823	1.773	168.974
172.897	2.986	2.875	2.593	2.261	1.986	1.823	1.773	176.121
177.750	2.986	2.875	2.593	2.261	1.986	1.823	1.773	181.049
185.279	2.986	2.875	2.593	2.261	1.986	1.823	1.773	188.694
193.117	2.986	2.875	2.593	2.261	1.986	1.823	1.774	196.654
201.279	2.986	2.875	2.593	2.261	1.986	1.823	1.774	204.941

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.0.

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	11.998	11.689	10.880	9.852	8.906	8.265	8.039	1.396
.966	11.603	11.304	10.518	9.519	8.602	7.980	7.763	1.538
1.145	11.093	10.806	10.056	9.110	8.251	7.672	7.470	1.720
1.425	10.298	10.029	9.331	8.457	7.669	7.143	6.960	2.004
1.755	9.458	9.208	8.562	7.762	7.052	6.583	6.421	2.339
2.037	8.851	8.612	7.999	7.248	6.589	6.161	6.013	2.625
2.460	8.074	7.849	7.273	6.583	5.992	5.617	5.492	3.055
2.937	7.440	7.221	6.666	6.014	5.467	5.123	5.008	3.540
3.468	6.921	6.704	6.155	5.524	5.005	4.688	4.584	4.078
4.046	6.528	6.307	5.751	5.121	4.614	4.312	4.215	4.665
4.508	6.306	6.078	5.511	4.876	4.370	4.071	3.977	5.134
5.155	6.094	5.855	5.264	4.613	4.102	3.805	3.711	5.792
5.834	5.962	5.709	5.088	4.413	3.891	3.590	3.496	6.481
6.537	5.897	5.626	4.970	4.265	3.726	3.418	3.323	7.195
7.260	5.886	5.595	4.898	4.158	3.598	3.282	3.184	7.929
7.812	5.908	5.601	4.869	4.099	3.523	3.199	3.099	8.489
8.557	5.969	5.639	4.859	4.045	3.444	3.109	3.006	9.247
9.312	6.062	5.708	4.874	4.014	3.386	3.039	2.933	10.013
10.073	6.180	5.800	4.912	4.002	3.344	2.984	2.875	10.786
10.839	6.316	5.912	4.967	4.004	3.315	2.942	2.830	11.563
11.415	6.428	6.005	5.018	4.015	3.301	2.918	2.803	12.148
12.185	6.585	6.138	5.095	4.038	3.291	2.893	2.774	12.930
12.957	6.749	6.279	5.183	4.070	3.288	2.876	2.753	13.714
13.728	6.917	6.425	5.276	4.109	3.293	2.865	2.738	14.497
14.500	7.086	6.574	5.375	4.154	3.303	2.860	2.728	15.281
15.078	7.212	6.686	5.451	4.190	3.313	2.858	2.724	15.868
15.849	7.378	6.834	5.555	4.243	3.331	2.861	2.722	16.651
16.620	7.539	6.981	5.660	4.298	3.352	2.866	2.724	17.434
17.392	7.694	7.123	5.765	4.356	3.376	2.875	2.729	18.218
18.167	7.840	7.260	5.869	4.415	3.402	2.886	2.736	19.004
18.751	7.943	7.358	5.946	4.460	3.423	2.895	2.743	19.597
19.534	8.072	7.484	6.047	4.521	3.453	2.910	2.754	20.393
20.327	8.189	7.601	6.146	4.583	3.484	2.927	2.767	21.197
21.130	8.293	7.710	6.242	4.645	3.516	2.945	2.782	22.013
21.948	8.385	7.809	6.335	4.707	3.550	2.965	2.798	22.843
22.573	8.444	7.876	6.403	4.754	3.576	2.981	2.812	23.478
23.424	8.509	7.957	6.489	4.816	3.612	3.003	2.831	24.342
24.300	8.558	8.024	6.571	4.878	3.648	3.027	2.851	25.232
25.204	8.592	8.078	6.648	4.939	3.686	3.052	2.873	26.150
26.141	8.613	8.119	6.720	4.999	3.724	3.078	2.897	27.101
26.868	8.620	8.141	6.770	5.043	3.753	3.098	2.915	27.840
27.874	8.620	8.158	6.830	5.102	3.792	3.126	2.941	28.862
28.927	8.613	8.164	6.881	5.159	3.831	3.154	2.967	29.931
30.032	8.600	8.162	6.924	5.214	3.871	3.184	2.996	31.153
31.196	8.584	8.153	6.957	5.267	3.910	3.214	3.025	32.235

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.112	8.571	8.143	6.974	5.306	3.940	3.238	3.047	33.165
33.394	8.553	8.128	6.989	5.356	3.979	3.269	3.078	34.467
34.752	8.536	8.111	6.995	5.402	4.018	3.300	3.109	35.846
36.195	8.519	8.095	6.994	5.445	4.056	3.332	3.141	37.311
37.733	8.504	8.079	6.987	5.484	4.094	3.363	3.174	38.872
38.953	8.494	8.069	6.980	5.509	4.121	3.386	3.198	40.111
40.679	8.482	8.056	6.969	5.538	4.157	3.417	3.230	41.864
42.528	8.473	8.044	6.958	5.560	4.192	3.446	3.262	43.742
44.512	8.466	8.035	6.947	5.575	4.225	3.475	3.292	45.755
46.630	8.462	8.028	6.937	5.583	4.257	3.502	3.322	47.907
48.282	8.461	8.025	6.930	5.587	4.279	3.521	3.342	49.584
50.565	8.461	8.022	6.923	5.589	4.307	3.544	3.367	51.903
52.945	8.462	8.021	6.916	5.588	4.332	3.566	3.390	54.319
55.423	8.465	8.022	6.911	5.587	4.354	3.586	3.410	56.836
58.006	8.467	8.023	6.907	5.585	4.372	3.605	3.428	59.458
60.013	8.469	8.024	6.904	5.584	4.383	3.618	3.440	61.496
62.787	8.472	8.026	6.902	5.582	4.395	3.635	3.454	64.312
65.676	8.474	8.028	6.901	5.580	4.404	3.649	3.467	67.246
68.685	8.477	8.029	6.900	5.577	4.411	3.663	3.477	70.302
71.819	8.479	8.031	6.899	5.575	4.416	3.675	3.486	73.484
74.256	8.481	8.032	6.899	5.573	4.419	3.683	3.492	75.958
77.622	8.483	8.033	6.899	5.571	4.422	3.692	3.499	79.377
81.129	8.485	8.035	6.899	5.569	4.425	3.700	3.504	82.938
84.783	8.486	8.036	6.899	5.566	4.428	3.706	3.508	86.648
88.589	8.488	8.037	6.899	5.564	4.430	3.710	3.510	90.513
91.548	8.489	8.038	6.899	5.563	4.432	3.713	3.511	93.517
95.638	8.490	8.039	6.898	5.562	4.433	3.715	3.512	97.679
99.899	8.491	8.040	6.898	5.560	4.434	3.718	3.511	101.998
104.340	8.492	8.040	6.898	5.559	4.435	3.720	3.510	106.507
108.967	8.493	8.041	6.898	5.558	4.436	3.722	3.509	111.205
112.565	8.493	8.042	6.898	5.557	4.436	3.724	3.508	114.859
117.539	8.494	8.042	6.898	5.556	4.436	3.726	3.508	119.909
122.722	8.495	8.043	6.898	5.555	4.436	3.727	3.507	125.173
128.124	8.496	8.044	6.898	5.553	4.435	3.729	3.507	130.658
133.754	8.496	8.045	6.898	5.552	4.435	3.731	3.508	136.374
138.132	8.497	8.045	6.899	5.552	4.435	3.732	3.508	140.820
144.184	8.497	8.046	6.899	5.551	4.434	3.734	3.509	146.965
150.492	8.497	8.046	6.899	5.550	4.434	3.735	3.510	153.370
157.066	8.498	8.047	6.900	5.549	4.433	3.736	3.511	160.046
163.918	8.498	8.048	6.900	5.548	4.433	3.737	3.511	167.004
169.246	8.498	8.048	6.901	5.548	4.432	3.738	3.512	172.414
176.613	8.499	8.048	6.901	5.547	4.432	3.738	3.513	179.895
184.291	8.499	8.049	6.902	5.547	4.431	3.739	3.514	187.691
192.294	8.499	8.049	6.902	5.546	4.430	3.740	3.515	195.817
200.635	8.499	8.049	6.903	5.546	4.430	3.740	3.516	204.287

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.0

L/RN	θ.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
.826	26.127	25.445	23.659	21.392	19.309	17.898	17.402	1.396
1.018	24.820	24.173	22.479	20.333	18.371	17.043	16.579	1.591
1.268	23.091	22.483	20.898	18.906	17.106	15.901	15.481	1.845
1.648	20.703	20.151	18.723	16.952	15.373	14.329	13.966	2.230
2.105	18.351	17.852	16.561	14.987	13.616	12.730	12.428	2.695
2.643	16.290	15.818	14.618	13.199	11.996	11.236	10.980	3.241
3.131	14.926	14.471	13.319	11.980	10.868	10.178	9.948	3.737
3.806	13.599	13.143	11.999	10.703	9.658	9.033	8.832	4.422
4.542	12.656	12.184	11.015	9.719	8.696	8.097	7.907	5.169
5.326	12.031	11.531	10.310	8.981	7.953	7.362	7.177	5.966
6.145	11.657	11.119	9.824	8.439	7.387	6.790	6.606	6.797
6.988	11.479	10.895	9.506	8.048	6.959	6.348	6.160	7.652
7.671	11.450	10.823	9.346	7.818	6.693	6.068	5.876	8.347
8.532	11.527	10.839	9.239	7.612	6.434	5.788	5.591	9.221
9.395	11.702	10.950	9.215	7.476	6.239	5.570	5.366	10.097
10.255	11.952	11.134	9.256	7.396	6.093	5.398	5.188	10.973
11.107	12.257	11.371	9.347	7.359	5.986	5.262	5.045	11.836
11.782	12.530	11.590	9.448	7.354	5.923	5.175	4.952	12.521
12.614	12.904	11.893	9.601	7.373	5.867	5.088	4.858	13.366
13.433	13.310	12.224	9.778	7.414	5.831	5.022	4.783	14.197
14.236	13.742	12.579	9.974	7.472	5.812	4.971	4.724	15.013
15.024	14.194	12.954	10.186	7.544	5.806	4.933	4.678	15.813
15.797	14.657	13.345	10.412	7.626	5.810	4.906	4.644	16.598
16.405	15.029	13.664	10.601	7.700	5.820	4.891	4.622	17.216
17.155	15.487	14.067	10.847	7.798	5.839	4.878	4.602	17.977
17.894	15.930	14.466	11.102	7.904	5.864	4.872	4.589	18.727
18.625	16.349	14.855	11.364	8.016	5.894	4.872	4.581	19.469
19.350	16.739	15.230	11.630	8.135	5.930	4.876	4.578	20.206
19.928	17.024	15.516	11.844	8.233	5.961	4.882	4.578	20.793
20.651	17.345	15.851	12.112	8.362	6.005	4.893	4.582	21.527
21.376	17.620	16.157	12.379	8.495	6.052	4.907	4.590	22.263
22.108	17.848	16.430	12.641	8.633	6.103	4.925	4.600	23.006
22.848	18.027	16.666	12.898	8.776	6.157	4.946	4.613	23.758
23.601	18.158	16.862	13.146	8.923	6.216	4.970	4.630	24.523
24.215	18.229	16.990	13.337	9.044	6.266	4.991	4.645	25.146
25.000	18.280	17.111	13.563	9.198	6.332	5.021	4.667	25.943
25.808	18.293	17.192	13.773	9.355	6.402	5.054	4.692	26.764
26.644	18.274	17.234	13.962	9.515	6.475	5.090	4.720	27.613
27.513	18.228	17.241	14.128	9.678	6.554	5.130	4.752	28.494
28.233	18.177	17.224	14.241	9.808	6.619	5.164	4.780	29.226
29.166	18.100	17.180	14.355	9.972	6.704	5.210	4.818	30.173
30.141	18.012	17.116	14.439	10.134	6.793	5.260	4.861	31.163
31.164	17.920	17.037	14.491	10.295	6.886	5.314	4.907	32.222
32.242	17.830	16.949	14.512	10.450	6.982	5.372	4.958	33.296
33.375	17.747	16.858	14.505	10.598	7.080	5.434	5.013	34.447

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
34.319	17.689	16.788	14.483	10.709	7.161	5.485	5.061	35.406
35.553	17.628	16.708	14.438	10.834	7.263	5.552	5.123	36.658
36.854	17.580	16.639	14.378	10.943	7.367	5.622	5.190	37.980
38.234	17.545	16.584	14.309	11.033	7.472	5.695	5.261	39.381
39.704	17.522	16.542	14.236	11.102	7.579	5.770	5.337	40.874
41.273	17.509	16.515	14.164	11.149	7.687	5.847	5.416	42.467
42.588	17.506	16.502	14.113	11.171	7.773	5.909	5.481	43.802
44.309	17.508	16.496	14.059	11.181	7.877	5.986	5.562	45.550
46.131	17.515	16.497	14.016	11.174	7.976	6.064	5.645	47.400
48.070	17.525	16.503	13.984	11.155	8.070	6.140	5.728	49.368
50.142	17.538	16.513	13.964	11.128	8.156	6.217	5.811	51.473
51.911	17.549	16.523	13.954	11.102	8.216	6.278	5.877	53.269
54.268	17.563	16.536	13.949	11.069	8.281	6.352	5.956	55.663
56.759	17.577	16.551	13.950	11.038	8.331	6.423	6.029	58.192
59.339	17.589	16.564	13.956	11.012	8.367	6.488	6.095	60.812
61.936	17.600	16.576	13.964	10.991	8.392	6.546	6.150	63.449
64.559	17.608	16.585	13.972	10.975	8.407	6.596	6.197	66.112
66.683	17.613	16.590	13.978	10.964	8.414	6.631	6.229	68.269
69.378	17.618	16.595	13.986	10.954	8.420	6.668	6.262	71.005
72.127	17.622	16.598	13.992	10.947	8.422	6.698	6.288	73.797
74.943	17.625	16.600	13.997	10.942	8.422	6.722	6.307	76.656
77.835	17.627	16.601	14.000	10.938	8.421	6.740	6.320	79.593
80.213	17.628	16.601	14.003	10.937	8.420	6.751	6.326	82.008
83.276	17.629	16.602	14.004	10.935	8.417	6.761	6.329	85.118
86.451	17.630	16.602	14.005	10.934	8.413	6.768	6.328	88.342
89.753	17.631	16.602	14.005	10.934	8.410	6.773	6.322	91.695
93.197	17.631	16.602	14.004	10.934	8.406	6.776	6.315	95.192
96.800	17.632	16.601	14.003	10.934	8.402	6.779	6.305	98.850
99.809	17.632	16.601	14.002	10.934	8.399	6.781	6.297	101.96
103.747	17.632	16.601	14.001	10.933	8.395	6.783	6.287	105.995
107.902	17.632	16.602	13.999	10.933	8.392	6.785	6.278	110.123
112.299	17.633	16.602	13.997	10.932	8.390	6.787	6.269	114.589
116.970	17.633	16.603	13.996	10.931	8.388	6.789	6.263	119.331
120.925	17.634	16.604	13.995	10.930	8.387	6.790	6.259	123.348
126.174	17.635	16.605	13.994	10.928	8.387	6.792	6.255	128.677
131.802	17.636	16.606	13.993	10.926	8.386	6.794	6.254	134.392
137.858	17.637	16.607	13.992	10.923	8.385	6.796	6.254	140.542
144.397	17.638	16.609	13.992	10.920	8.385	6.798	6.256	147.182
151.473	17.639	16.611	13.992	10.917	8.384	6.800	6.258	154.367
157.429	17.640	16.612	13.993	10.915	8.383	6.802	6.261	160.415
165.193	17.641	16.614	13.995	10.913	8.382	6.805	6.265	168.299
173.329	17.642	16.615	13.997	10.911	8.381	6.808	6.270	176.563
181.853	17.643	16.616	13.999	10.910	8.380	6.810	6.275	185.215
190.784	17.644	16.617	14.000	10.908	8.378	6.813	6.280	194.284
200.142	17.644	16.618	14.002	10.908	8.376	6.815	6.286	203.787

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.0

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.826	45.909	44.704	41.549	37.546	33.870	31.384	30.509	1.396
1.075	42.805	41.679	38.740	35.031	31.657	29.380	28.585	1.648
1.406	38.745	37.716	35.044	31.701	28.693	26.685	25.987	1.985
1.903	33.624	32.707	30.353	27.464	24.921	23.258	22.684	2.489
2.402	29.645	28.811	26.670	24.102	21.901	20.501	20.030	2.997
3.106	25.820	25.030	23.034	20.714	18.787	17.595	17.196	3.711
3.910	23.007	22.217	20.246	18.025	16.244	15.184	14.845	4.528
4.644	21.387	20.569	18.556	16.334	14.593	13.578	13.258	5.272
5.579	20.135	19.259	17.135	14.846	13.093	12.095	11.785	6.222
6.553	19.461	18.501	16.215	13.807	12.003	10.990	10.678	7.211
7.548	19.218	18.154	15.660	13.093	11.211	10.170	9.851	8.221
8.382	19.267	18.102	15.405	12.679	10.717	9.646	9.320	9.069
9.381	19.552	18.257	15.288	12.345	10.272	9.158	8.821	10.083
10.370	20.013	18.583	15.327	12.144	9.947	8.785	8.436	11.087
11.181	20.491	18.946	15.447	12.055	9.747	8.540	8.180	11.911
12.135	21.155	19.465	15.667	12.017	9.571	8.310	7.936	12.879
13.064	21.913	20.061	15.949	12.037	9.450	8.133	7.744	13.822
13.966	22.758	20.730	16.280	12.101	9.370	7.997	7.595	14.739
14.697	23.517	21.339	16.588	12.179	9.328	7.909	7.496	15.481
15.549	24.476	22.121	16.993	12.297	9.301	7.827	7.400	16.346
16.377	25.460	22.943	17.435	12.438	9.295	7.765	7.326	17.187
17.050	26.279	23.644	17.827	12.569	9.302	7.727	7.277	17.870
17.839	27.237	24.490	18.323	12.742	9.323	7.693	7.230	18.672
18.613	28.146	25.324	18.841	12.931	9.356	7.670	7.196	19.457
19.248	28.850	25.996	19.287	13.100	9.391	7.659	7.174	20.102
20.002	29.616	26.763	19.832	13.316	9.442	7.653	7.155	20.868
20.751	30.283	27.473	20.384	13.546	9.502	7.654	7.144	21.628
21.499	30.842	28.113	20.938	13.788	9.570	7.662	7.139	22.387
22.124	31.221	28.586	21.397	14.000	9.632	7.674	7.140	23.022
22.880	31.571	29.073	21.938	14.266	9.715	7.693	7.146	23.798
23.646	31.811	29.468	22.463	14.545	9.806	7.719	7.158	24.568
24.297	31.932	29.724	22.883	14.786	9.888	7.745	7.172	25.229
25.094	31.990	29.944	23.360	15.087	9.994	7.782	7.194	26.039
25.917	31.964	30.071	23.798	15.400	10.109	7.825	7.223	26.874
26.768	31.866	30.111	24.190	15.724	10.234	7.875	7.258	27.738
27.501	31.737	30.083	24.473	16.001	10.344	7.922	7.291	28.483
28.411	31.541	29.984	24.755	16.340	10.485	7.985	7.338	29.407
29.360	31.314	29.826	24.967	16.683	10.635	8.055	7.392	30.370
30.186	31.115	29.657	25.088	16.971	10.768	8.119	7.443	31.209
31.224	30.880	29.426	25.166	17.314	10.937	8.203	7.512	32.263
32.303	30.670	29.186	25.172	17.644	11.113	8.295	7.589	33.358
33.426	30.492	28.957	25.113	17.955	11.296	8.393	7.674	34.498
34.401	30.372	28.785	25.021	18.195	11.455	8.481	7.751	35.489
35.628	30.260	28.609	24.869	18.455	11.653	8.593	7.853	36.735
36.927	30.184	28.471	24.684	18.678	11.860	8.713	7.965	38.054

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
39.074	30.144	28.387	24.517	18.831	12.040	8.819	8.067	39.218
39.527	30.122	28.323	24.319	18.969	12.261	8.953	8.198	40.694
41.040	30.121	28.295	24.142	19.056	12.483	9.091	8.337	42.230
42.352	30.131	28.291	24.017	19.089	12.667	9.208	8.457	43.562
43.998	30.153	28.303	23.899	19.087	12.885	9.354	8.609	45.234
45.737	30.182	28.326	23.814	19.047	13.096	9.502	8.766	47.000
47.586	30.217	28.357	23.763	18.977	13.296	9.655	8.930	48.877
49.224	30.249	28.388	23.741	18.903	13.451	9.785	9.070	50.540
51.326	30.287	28.428	23.737	18.804	13.618	9.944	9.241	52.675
53.547	30.322	28.470	23.749	18.707	13.758	10.100	9.409	54.930
55.473	30.346	28.503	23.768	18.633	13.850	10.227	9.544	56.886
57.891	30.367	28.535	23.794	18.556	13.934	10.372	9.697	59.341
60.433	30.383	28.559	23.824	18.496	13.989	10.508	9.839	61.922
63.003	30.395	28.574	23.855	18.454	14.022	10.627	9.958	64.532
65.152	30.402	28.581	23.879	18.431	14.035	10.713	10.042	66.714
67.747	30.408	28.585	23.902	18.412	14.040	10.800	10.126	69.350
70.371	30.413	28.586	23.921	18.403	14.036	10.871	10.191	72.014
72.587	30.415	28.585	23.933	18.399	14.027	10.919	10.232	74.264
75.289	30.417	28.584	23.942	18.398	14.014	10.964	10.267	77.007
78.048	30.418	28.582	23.946	18.400	13.998	10.998	10.287	79.809
80.874	30.419	28.581	23.947	18.403	13.980	11.022	10.294	82.679
83.287	30.419	28.579	23.946	18.406	13.966	11.036	10.291	85.129
86.253	30.420	28.577	23.944	18.410	13.948	11.047	10.279	88.151
89.336	30.420	28.575	23.940	18.415	13.932	11.053	10.259	91.271
91.978	30.421	28.574	23.937	18.419	13.919	11.056	10.239	93.954
95.258	30.421	28.574	23.933	18.422	13.906	11.057	10.211	97.285
98.668	30.422	28.574	23.929	18.425	13.895	11.056	10.181	100.747
101.619	30.422	28.575	23.925	18.427	13.887	11.055	10.156	103.744
105.305	30.422	28.576	23.921	18.429	13.880	11.052	10.127	107.486
109.162	30.422	28.577	23.918	18.430	13.873	11.050	10.101	111.404
113.210	30.422	28.578	23.914	18.431	13.868	11.047	10.078	115.514
116.742	30.423	28.579	23.912	18.431	13.865	11.045	10.061	119.103
121.190	30.423	28.581	23.910	18.430	13.861	11.043	10.045	123.616
125.889	30.425	28.582	23.908	18.428	13.859	11.043	10.033	128.389
130.018	30.426	28.583	23.907	18.426	13.858	11.042	10.027	132.581
135.254	30.427	28.585	23.906	18.423	13.857	11.044	10.023	137.898
140.831	30.429	28.587	23.906	18.418	13.858	11.046	10.023	143.561
146.790	30.430	28.589	23.906	18.413	13.860	11.049	10.027	149.611
152.080	30.432	28.590	23.906	18.409	13.861	11.052	10.032	154.983
158.866	30.434	28.592	23.907	18.403	13.863	11.057	10.042	161.874
166.186	30.435	28.594	23.908	18.397	13.865	11.062	10.054	169.307
172.747	30.437	28.596	23.910	18.392	13.866	11.067	10.066	175.969
181.244	30.438	28.598	23.912	18.386	13.865	11.072	10.082	184.597
190.511	30.439	28.599	23.915	18.381	13.862	11.077	10.099	194.007
200.658	30.439	28.601	23.918	18.378	13.858	11.081	10.116	204.311

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.0°

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	71.343	69.467	64.548	58.312	52.601	48.717	47.360	1.396
1.134	65.249	63.524	59.022	53.356	48.217	44.766	43.561	1.758
1.478	58.738	57.170	53.106	48.039	43.493	40.466	39.412	2.158
1.992	50.787	49.388	45.810	41.430	37.595	35.096	34.236	2.679
2.732	42.654	41.395	38.210	34.456	31.290	29.301	28.634	3.331
3.483	37.403	36.194	33.158	29.690	26.862	25.146	24.586	4.094
4.324	33.726	32.492	29.436	26.037	23.352	21.777	21.278	4.948
5.390	31.054	29.729	26.512	23.035	20.368	18.845	18.372	6.031
6.349	29.800	28.356	24.911	21.275	18.545	17.012	16.540	7.014
7.329	29.259	27.654	23.909	20.048	17.215	15.646	15.164	7.999
8.480	29.267	27.457	23.285	19.095	16.100	14.472	13.977	9.168
9.462	29.689	27.679	23.091	18.573	15.413	13.722	13.212	10.165
10.429	30.362	28.148	23.126	18.249	14.905	13.144	12.616	11.147
11.532	31.368	28.907	23.371	18.054	14.481	12.630	12.080	12.267
12.450	32.393	29.696	23.701	18.002	14.224	12.295	11.724	13.200
13.341	33.568	30.605	24.114	18.026	14.042	12.033	11.443	14.104
14.342	35.111	31.812	24.682	18.126	13.900	11.799	11.187	15.121
15.169	36.552	32.959	25.238	18.258	13.825	11.645	11.014	15.961
15.969	38.060	34.186	25.854	18.425	13.782	11.524	10.876	16.772
16.743	39.594	35.468	26.524	18.622	13.765	11.430	10.764	17.559
17.619	41.361	36.995	27.365	18.884	13.772	11.347	10.661	18.448
18.350	42.811	38.299	28.130	19.135	13.798	11.295	10.591	19.190
19.065	44.168	39.571	28.926	19.409	13.838	11.257	10.535	19.916
19.886	45.597	40.984	29.885	19.755	13.902	11.228	10.486	20.750
20.581	46.665	42.109	30.725	20.074	13.971	11.214	10.455	21.455
21.272	47.575	43.137	31.573	20.413	14.051	11.210	10.433	22.157
22.077	48.425	44.191	32.561	20.833	14.158	11.217	10.418	22.975
22.771	48.972	44.957	33.397	21.214	14.262	11.232	10.414	23.680
23.472	49.357	45.589	34.215	21.614	14.377	11.255	10.418	24.391
24.304	49.612	46.150	35.131	22.105	14.525	11.291	10.431	25.236
25.034	49.678	46.490	35.873	22.549	14.665	11.332	10.451	25.977
25.783	49.617	46.673	36.563	23.012	14.817	11.380	10.479	26.738
26.687	49.401	46.733	37.284	23.578	15.011	11.448	10.521	27.656
27.488	49.116	46.652	37.815	24.080	15.190	11.515	10.566	28.469
28.316	48.762	46.459	38.254	24.595	15.381	11.591	10.619	29.310
29.323	48.300	46.116	38.639	25.209	15.623	11.692	10.693	30.332
30.228	47.894	45.745	38.852	25.742	15.846	11.789	10.768	31.252
31.169	47.512	45.338	38.954	26.270	16.082	11.897	10.852	32.207
32.137	47.177	44.930	38.946	26.780	16.328	12.013	10.947	33.190
33.311	46.854	44.487	38.810	27.345	16.632	12.161	11.070	34.382
34.363	46.640	44.157	38.598	27.794	16.906	12.299	11.189	35.450
35.466	46.483	43.883	38.317	28.202	17.195	12.448	11.322	36.570
36.827	46.368	43.644	37.931	28.615	17.551	12.637	11.494	37.952
38.069	46.318	43.509	37.579	28.902	17.873	12.812	11.659	39.214
39.362	46.307	43.437	37.246	29.115	18.202	12.996	11.837	40.526

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
41.921	46.326	43.415	36.908	29.265	18.588	13.218	12.058	42.113
42.312	46.361	43.431	36.674	29.313	18.920	13.417	12.261	43.522
43.762	46.409	43.470	36.495	29.293	19.250	13.622	12.474	44.995
45.545	46.476	43.531	36.356	29.197	19.626	13.872	12.738	46.805
47.165	46.541	43.594	36.292	29.066	19.936	14.094	12.976	48.450
48.886	46.607	43.663	36.270	28.903	20.229	14.323	13.224	50.197
51.039	46.680	43.750	36.285	28.693	20.539	14.600	13.525	52.384
52.974	46.733	43.823	36.323	28.519	20.764	14.834	13.780	54.348
54.976	46.774	43.888	36.374	28.363	20.947	15.064	14.029	56.381
57.056	46.802	43.938	36.429	28.231	21.086	15.286	14.268	58.493
59.600	46.824	43.977	36.498	28.111	21.198	15.532	14.530	61.176
61.889	46.835	43.993	36.555	28.037	21.256	15.728	14.737	63.400
64.197	46.843	44.000	36.609	27.992	21.284	15.900	14.912	65.744
66.893	46.850	44.000	36.662	27.964	21.287	16.071	15.081	68.492
69.217	46.853	43.995	36.694	27.955	21.274	16.192	15.195	70.842
71.560	46.854	43.990	36.716	27.956	21.248	16.292	15.284	73.221
74.328	46.855	43.985	36.731	27.962	21.210	16.384	15.357	76. 32
76.739	46.855	43.979	36.734	27.972	21.173	16.444	15.395	78.480
79.192	46.855	43.973	36.732	27.983	21.134	16.490	15.413	80.971
82.117	46.857	43.968	36.725	27.998	21.091	16.527	15.412	83.941
84.687	46.858	43.964	36.717	28.009	21.056	16.548	15.395	86.551
87.322	46.860	43.962	36.709	28.019	21.024	16.560	15.365	89.226
90.488	46.862	43.960	36.698	28.031	20.993	16.565	15.318	92.441
93.289	46.863	43.961	36.690	28.038	20.970	16.566	15.270	95.286
96.180	46.864	43.963	36.683	28.044	20.951	16.561	15.218	98.221
99.675	46.864	43.966	36.674	28.049	20.933	16.552	15.155	101.770
102.786	46.864	43.969	36.668	28.053	20.921	16.542	15.101	104.929
106.013	46.864	43.971	36.662	28.055	20.910	16.531	15.049	108.206
109.366	46.864	43.974	36.657	28.057	20.900	16.520	15.001	111.613
113.449	46.864	43.976	36.653	28.058	20.890	16.508	14.950	115.756
117.109	46.865	43.977	36.650	28.058	20.881	16.500	14.912	119.473
121.929	46.865	43.978	36.649	28.058	20.873	16.493	14.881	123.352
125.607	46.866	43.980	36.647	28.057	20.865	16.488	14.854	128.102
129.822	46.868	43.981	36.647	28.055	20.860	16.486	14.838	132.382
134.243	46.869	43.983	36.647	28.051	20.857	16.487	14.828	136.871
139.688	46.871	43.984	36.647	28.045	20.855	16.490	14.826	142.409
144.625	46.873	43.986	36.647	28.040	20.857	16.494	14.830	147.413
149.835	46.876	43.987	36.647	28.033	20.860	16.500	14.840	152.704
156.297	46.879	43.990	36.648	28.024	20.867	16.508	14.858	159.266
162.202	46.881	43.992	36.649	28.016	20.874	16.516	14.877	165.261
168.482	46.883	43.994	36.650	28.008	20.880	16.523	14.900	171.639
176.344	46.885	43.996	36.653	27.998	20.886	16.532	14.930	179.622
183.598	46.887	43.999	36.655	27.990	20.889	16.539	14.958	186.988
191.391	46.888	44.001	36.658	27.983	20.890	16.546	14.987	194.901
201.256	46.889	44.003	36.661	27.976	20.886	16.554	15.021	204.918

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	102.426	99.725	92.664	33.696	75.481	69.911	67.969	1.396
1.133	93.622	91.144	84.675	76.536	69.158	64.198	62.468	1.708
1.555	82.275	80.069	74.365	67.269	60.927	56.715	55.251	2.136
2.184	69.088	67.178	62.254	56.274	51.088	47.754	46.621	2.775
2.844	59.613	57.834	53.330	48.047	43.614	40.842	39.910	3.445
3.746	51.429	49.698	45.371	40.478	36.536	34.175	33.416	4.361
4.759	46.165	44.359	39.928	35.065	31.276	29.080	28.390	5.390
5.688	43.451	41.514	36.841	31.833	28.021	25.860	25.192	6.333
6.812	41.811	39.655	34.559	29.249	25.311	23.115	22.441	7.475
7.953	41.367	38.930	33.279	27.552	23.417	21.154	20.464	8.633
9.092	41.772	39.012	32.703	26.468	22.082	19.727	19.014	9.789
10.055	42.572	39.526	32.611	25.885	21.252	18.803	18.068	10.767
11.154	43.851	40.462	32.829	25.495	20.551	17.981	17.216	11.883
12.219	45.429	41.660	33.284	25.330	20.059	17.364	16.567	12.964
13.100	47.017	42.873	33.807	25.316	19.761	16.958	16.133	13.860
14.091	49.135	44.587	34.543	25.406	19.519	16.590	15.735	14.865
15.040	51.488	46.356	35.405	25.582	19.362	16.309	15.425	15.829
15.950	53.996	48.375	36.384	25.825	19.270	16.093	15.182	16.754
16.703	56.196	50.199	37.309	26.078	19.231	15.949	15.014	17.518
17.552	58.740	52.380	38.477	26.419	19.222	15.819	14.855	18.380
18.374	61.179	54.561	39.724	26.806	19.246	15.720	14.730	19.215
19.062	63.130	56.386	40.845	27.171	19.289	15.657	14.643	19.914
19.850	65.190	58.418	42.198	27.636	19.363	15.605	14.563	20.714
20.627	66.978	60.302	43.585	28.139	19.459	15.572	14.502	21.522
21.287	68.269	61.769	44.788	28.600	19.558	15.557	14.464	22.172
22.055	69.482	63.281	46.194	29.172	19.692	15.555	14.433	22.952
22.826	70.380	64.555	47.584	29.781	19.846	15.569	14.417	23.735
23.605	70.972	65.575	48.941	30.427	20.019	15.596	14.414	24.526
24.283	71.251	66.241	50.061	31.012	20.184	15.631	14.423	25.215
25.092	71.328	66.776	51.299	31.732	20.396	15.684	14.444	26.037
25.926	71.158	67.051	52.441	32.492	20.630	15.752	14.479	26.884
26.664	70.839	67.085	53.321	33.175	20.849	15.822	14.520	27.632
27.549	70.307	66.905	54.207	33.999	21.124	15.917	14.580	28.531
28.469	69.653	66.511	54.920	34.851	21.424	16.028	14.655	29.465
29.431	68.944	65.940	55.441	35.725	21.751	16.156	14.746	30.442
30.292	68.341	65.353	55.722	36.484	22.052	16.280	14.837	31.317
31.328	67.704	64.631	55.849	37.355	22.424	16.440	14.960	32.368
32.398	67.165	63.931	55.767	38.195	22.817	16.615	15.100	33.455
33.350	66.791	63.385	55.543	38.880	23.174	16.781	15.236	34.422
34.510	66.460	62.841	55.130	39.626	23.614	16.991	15.415	35.600
35.733	66.240	62.414	54.592	40.297	24.082	17.222	15.618	36.841
37.030	66.117	62.114	53.983	40.873	24.581	17.476	15.848	38.159
38.206	66.076	61.957	53.452	41.272	25.031	17.711	16.069	39.352
39.617	66.088	61.882	52.889	41.603	25.563	17.996	16.345	40.785
41.076	66.138	61.887	52.414	41.786	26.101	18.295	16.643	42.267

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
42.373	66.205	61.935	52.090	41.832	26.564	18.563	16.916	43.583
43.951	66.301	62.021	51.813	41.768	27.103	18.888	17.255	45.187
45.615	66.411	62.129	51.644	41.596	27.633	19.229	17.617	46.876
47.122	66.512	62.233	51.574	41.381	28.074	19.534	17.944	48.406
48.991	66.625	62.362	51.565	41.079	28.562	19.903	18.347	50.304
50.996	66.728	62.496	51.613	40.751	29.007	20.287	18.768	52.339
53.084	66.810	62.621	51.700	40.443	29.384	20.666	19.185	54.460
54.930	66.862	62.710	51.787	40.210	29.646	20.985	19.534	56.335
57.165	66.901	62.785	51.895	39.987	29.879	21.344	19.927	58.604
59.500	66.924	62.831	52.006	39.818	30.038	21.688	20.298	60.975
61.598	66.933	62.846	52.096	39.718	30.121	21.965	20.594	63.105
64.119	66.938	62.846	52.191	39.646	30.164	22.257	20.898	65.665
66.638	66.944	62.839	52.270	39.617	30.161	22.507	21.148	68.223
69.163	66.944	62.826	52.321	39.612	30.125	22.715	21.345	70.788
71.342	66.942	62.814	52.349	39.622	30.076	22.863	21.476	72.999
73.907	66.941	62.802	52.367	39.642	30.006	23.003	21.587	75.605
76.508	66.941	62.790	52.366	39.666	29.930	23.110	21.656	78.246
78.773	66.941	62.779	52.357	39.688	29.864	23.181	21.684	80.545
81.464	66.944	62.770	52.342	39.716	29.791	23.241	21.686	83.278
84.218	66.948	62.764	52.325	39.740	29.725	23.280	21.659	86.074
87.042	66.952	62.761	52.306	39.760	29.668	23.302	21.607	88.942
89.527	66.955	62.761	52.290	39.775	29.628	23.309	21.548	91.465
92.507	66.958	62.765	52.275	39.789	29.588	23.306	21.466	94.492
95.586	66.961	62.770	52.261	39.799	29.557	23.294	21.373	97.618
98.310	66.962	62.776	52.250	39.803	29.537	23.278	21.290	100.384
101.596	66.961	62.782	52.238	39.807	29.517	23.255	21.192	103.721
105.009	66.961	62.787	52.229	39.811	29.499	23.230	21.095	107.186
108.043	66.961	62.790	52.223	39.813	29.486	23.209	21.016	110.267
111.720	66.960	62.794	52.219	39.814	29.472	23.186	20.931	114.001
115.556	66.960	62.796	52.216	39.815	29.456	23.165	20.857	117.896
119.564	66.961	62.798	52.215	39.817	29.439	23.149	20.794	121.966
123.147	66.961	62.799	52.215	39.817	29.425	23.139	20.750	125.604
127.512	66.962	62.800	52.216	39.817	29.410	23.132	20.711	130.036
132.092	66.963	62.801	52.218	39.813	29.395	23.130	20.686	134.687
136.203	66.965	62.802	52.218	39.808	29.385	23.132	20.676	138.861
141.233	66.968	62.803	52.218	39.801	29.377	23.138	20.675	143.968
146.536	66.971	62.804	52.219	39.793	29.375	23.146	20.687	149.354
152.139	66.975	62.806	52.219	39.783	29.379	23.157	20.708	155.044
157.204	66.978	62.808	52.220	39.774	29.386	23.167	20.734	160.187
163.450	66.982	62.810	52.220	39.762	29.398	23.180	20.770	166.529
170.098	66.985	62.814	52.222	39.750	29.413	23.192	20.812	173.280
176.153	66.987	62.816	52.223	39.739	29.427	23.203	20.852	179.427
183.681	66.990	62.820	52.225	39.727	29.442	23.214	20.901	187.072
191.774	66.992	62.823	52.228	39.715	29.452	23.225	20.951	195.289
200.508	66.993	62.826	52.232	39.704	29.455	23.235	21.002	204.158

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.741	2.673	2.618	2.471	2.283	2.106	1.984	1.941	1.309
.822	2.664	2.607	2.456	2.262	2.082	1.958	1.914	1.393
.915	2.707	2.650	2.498	2.302	2.120	1.995	1.951	1.489
1.072	2.708	2.650	2.498	2.303	2.123	2.000	1.957	1.651
1.246	2.692	2.633	2.481	2.286	2.108	1.987	1.944	1.832
1.437	2.665	2.607	2.456	2.263	2.087	1.968	1.926	2.029
1.644	2.635	2.577	2.426	2.236	2.063	1.946	1.905	2.243
1.867	2.606	2.547	2.397	2.208	2.037	1.923	1.883	2.475
2.107	2.570	2.513	2.363	2.176	2.007	1.896	1.858	2.723
2.366	2.534	2.476	2.325	2.140	1.975	1.866	1.829	2.991
2.646	2.527	2.467	2.312	2.124	1.957	1.848	1.810	3.281
2.945	2.524	2.464	2.307	2.117	1.949	1.839	1.801	3.591
3.263	2.524	2.463	2.303	2.110	1.942	1.833	1.796	3.925
3.600	2.533	2.470	2.306	2.108	1.936	1.827	1.790	4.269
3.956	2.546	2.482	2.314	2.112	1.936	1.823	1.786	4.637
4.329	2.563	2.497	2.325	2.119	1.941	1.825	1.787	5.023
4.720	2.582	2.515	2.339	2.129	1.948	1.831	1.792	5.428
5.128	2.604	2.534	2.355	2.141	1.956	1.839	1.800	5.850
5.553	2.626	2.555	2.373	2.154	1.966	1.847	1.808	6.290
5.995	2.648	2.576	2.390	2.169	1.978	1.857	1.817	6.748
6.455	2.670	2.597	2.409	2.183	1.990	1.868	1.828	7.224
6.933	2.692	2.618	2.427	2.198	2.003	1.879	1.839	7.719
7.430	2.712	2.638	2.444	2.213	2.015	1.891	1.850	8.233
7.946	2.732	2.656	2.461	2.228	2.027	1.902	1.861	8.768
8.483	2.750	2.674	2.477	2.241	2.040	1.913	1.872	9.324
9.043	2.766	2.690	2.492	2.255	2.052	1.924	1.882	9.904
9.627	2.781	2.704	2.506	2.267	2.063	1.935	1.893	10.508
10.237	2.794	2.718	2.519	2.279	2.074	1.945	1.903	11.140
10.875	2.806	2.730	2.531	2.290	2.084	1.955	1.913	11.800
11.544	2.816	2.740	2.542	2.300	2.093	1.964	1.922	12.493
12.246	2.825	2.750	2.552	2.310	2.102	1.973	1.931	13.219
12.983	2.833	2.758	2.561	2.319	2.110	1.981	1.939	13.983
13.756	2.840	2.765	2.568	2.327	2.118	1.989	1.946	14.783
14.556	2.846	2.771	2.575	2.334	2.125	1.995	1.953	15.612
15.387	2.851	2.777	2.582	2.340	2.132	2.002	1.960	16.472
16.250	2.855	2.781	2.587	2.346	2.137	2.007	1.965	17.364
17.146	2.858	2.785	2.591	2.352	2.143	2.013	1.970	18.292
18.078	2.861	2.788	2.595	2.356	2.147	2.017	1.975	19.257
19.047	2.864	2.791	2.599	2.360	2.152	2.022	1.980	20.261
20.057	2.865	2.793	2.602	2.364	2.156	2.026	1.984	21.306
21.108	2.867	2.795	2.604	2.367	2.159	2.029	1.987	22.395
22.204	2.868	2.796	2.607	2.370	2.162	2.032	1.991	23.529
23.345	2.869	2.797	2.608	2.373	2.165	2.035	1.993	24.711
24.536	2.870	2.798	2.610	2.375	2.167	2.038	1.996	25.943
25.777	2.871	2.799	2.611	2.377	2.170	2.040	1.998	27.228

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.072	2.872	2.800	2.612	2.378	2.172	2.042	2.001	28.569
28.423	2.872	2.801	2.613	2.380	2.173	2.044	2.002	29.967
29.832	2.873	2.801	2.614	2.381	2.175	2.046	2.004	31.426
31.303	2.873	2.802	2.615	2.382	2.176	2.047	2.005	32.949
32.839	2.873	2.802	2.615	2.383	2.178	2.048	2.006	34.539
34.442	2.874	2.802	2.615	2.384	2.179	2.049	2.007	36.198
36.115	2.874	2.803	2.616	2.385	2.180	2.050	2.008	37.930
37.862	2.874	2.803	2.616	2.385	2.181	2.051	2.009	39.739
39.685	2.875	2.803	2.616	2.386	2.182	2.052	2.009	41.627
41.590	2.875	2.803	2.617	2.386	2.182	2.052	2.010	43.599
43.578	2.875	2.803	2.617	2.387	2.183	2.053	2.010	45.657
45.655	2.875	2.804	2.617	2.387	2.183	2.053	2.011	47.807
47.824	2.875	2.804	2.617	2.387	2.184	2.054	2.011	50.052
50.088	2.876	2.804	2.617	2.387	2.184	2.054	2.012	52.397
52.453	2.876	2.804	2.617	2.387	2.185	2.055	2.012	54.845
54.923	2.876	2.804	2.617	2.388	2.185	2.055	2.012	57.403
57.503	2.876	2.804	2.617	2.388	2.185	2.055	2.012	60. 73
60.197	2.876	2.804	2.618	2.388	2.185	2.056	2.013	62.863
63.011	2.876	2.804	2.618	2.388	2.186	2.056	2.013	65.776
65.950	2.876	2.805	2.618	2.388	2.186	2.056	2.013	68.818
69.020	2.877	2.805	2.618	2.388	2.186	2.056	2.013	71.996
72.226	2.877	2.805	2.618	2.388	2.186	2.057	2.014	75.315
75.574	2.877	2.805	2.618	2.388	2.186	2.057	2.014	78.782
79.072	2.877	2.805	2.618	2.388	2.186	2.057	2.014	82.403
82.725	2.877	2.805	2.618	2.388	2.186	2.057	2.014	86.184
86.540	2.877	2.805	2.618	2.388	2.186	2.057	2.014	90.135
90.525	2.877	2.805	2.618	2.388	2.186	2.057	2.014	94.260
94.688	2.877	2.805	2.618	2.388	2.186	2.057	2.014	98.571
99.036	2.877	2.805	2.618	2.388	2.186	2.057	2.014	103.071
103.577	2.877	2.805	2.618	2.388	2.186	2.057	2.014	107.773
108.321	2.877	2.806	2.618	2.388	2.186	2.057	2.014	112.683
113.275	2.877	2.806	2.618	2.388	2.186	2.057	2.014	117.813
118.450	2.878	2.806	2.618	2.388	2.186	2.057	2.015	123.170
123.856	2.878	2.806	2.618	2.388	2.186	2.057	2.015	128.767
129.502	2.878	2.806	2.618	2.388	2.186	2.057	2.015	134.612
135.400	2.878	2.806	2.618	2.388	2.186	2.057	2.015	140.718
141.560	2.878	2.806	2.618	2.388	2.186	2.057	2.015	147.095
147.994	2.878	2.806	2.619	2.388	2.186	2.057	2.015	153.756
154.715	2.878	2.806	2.619	2.388	2.186	2.057	2.015	160.715
161.735	2.878	2.806	2.619	2.388	2.186	2.057	2.015	167.982
169.068	2.878	2.806	2.619	2.388	2.186	2.057	2.015	175.574
176.728	2.878	2.806	2.619	2.388	2.186	2.057	2.015	183.504
184.728	2.878	2.806	2.619	2.388	2.186	2.057	2.015	191.786
193.085	2.878	2.806	2.619	2.388	2.186	2.057	2.015	200.438
201.814	2.878	2.806	2.619	2.388	2.186	2.057	2.015	209.475

MACH NO.= 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	4.681	4.576	4.299	3.944	3.613	3.386	3.306	1.309
.859	4.637	4.531	4.250	3.891	3.558	3.330	3.249	1.431
.997	4.574	4.468	4.192	3.840	3.516	3.295	3.218	1.574
1.149	4.479	4.374	4.100	3.753	3.435	3.220	3.144	1.731
1.374	4.335	4.231	3.963	3.625	3.317	3.110	3.038	1.964
1.561	4.223	4.121	3.856	3.524	3.225	3.025	2.955	2.157
1.832	4.086	3.984	3.721	3.394	3.103	2.911	2.844	2.438
2.128	3.958	3.857	3.596	3.273	2.988	2.801	2.737	2.745
2.368	3.871	3.768	3.504	3.184	2.904	2.721	2.659	2.993
2.711	3.814	3.707	3.433	3.105	2.822	2.640	2.577	3.349
2.984	3.784	3.675	3.397	3.062	2.775	2.591	2.529	3.631
3.368	3.770	3.655	3.364	3.018	2.723	2.536	2.473	4.028
3.668	3.776	3.657	3.355	2.999	2.696	2.504	2.440	4.340
4.084	3.800	3.675	3.360	2.988	2.674	2.476	2.410	4.770
4.515	3.841	3.710	3.378	2.990	2.664	2.461	2.393	5.216
4.847	3.879	3.743	3.400	2.999	2.663	2.454	2.385	5.559
5.299	3.938	3.796	3.438	3.020	2.670	2.453	2.382	6.028
5.646	3.986	3.839	3.470	3.039	2.680	2.457	2.383	6.387
6.118	4.053	3.901	3.517	3.070	2.698	2.467	2.391	6.875
6.478	4.104	3.948	3.555	3.096	2.714	2.477	2.400	7.249
6.969	4.172	4.012	3.606	3.132	2.738	2.494	2.414	7.757
7.472	4.237	4.073	3.658	3.171	2.765	2.514	2.432	8.277
7.857	4.283	4.118	3.697	3.200	2.786	2.530	2.446	8.675
8.381	4.340	4.174	3.747	3.239	2.815	2.554	2.468	9.219
8.785	4.379	4.212	3.783	3.268	2.837	2.572	2.485	9.636
9.336	4.427	4.260	3.828	3.306	2.867	2.596	2.508	10.207
9.760	4.459	4.292	3.860	3.334	2.889	2.615	2.525	10.646
10.343	4.497	4.331	3.899	3.369	2.919	2.640	2.549	11.249
10.946	4.530	4.365	3.934	3.403	2.947	2.665	2.573	11.874
11.415	4.552	4.388	3.958	3.426	2.968	2.683	2.590	12.359
12.063	4.578	4.415	3.987	3.456	2.994	2.707	2.613	13.030
12.568	4.595	4.432	4.007	3.476	3.013	2.724	2.630	13.553
13.272	4.613	4.453	4.031	3.501	3.038	2.747	2.652	14.282
13.824	4.624	4.466	4.047	3.519	3.055	2.764	2.668	14.853
14.595	4.635	4.479	4.066	3.540	3.077	2.785	2.689	15.652
15.413	4.642	4.489	4.081	3.560	3.097	2.805	2.709	16.498
16.059	4.646	4.494	4.091	3.573	3.111	2.819	2.724	17.167
16.970	4.649	4.499	4.101	3.589	3.129	2.837	2.742	18.110
17.693	4.650	4.501	4.107	3.599	3.141	2.850	2.755	18.859
18.716	4.651	4.503	4.113	3.611	3.155	2.866	2.771	19.918
19.531	4.652	4.504	4.116	3.619	3.165	2.876	2.782	20.761
20.687	4.652	4.505	4.118	3.627	3.177	2.890	2.796	21.959
21.922	4.652	4.505	4.120	3.633	3.188	2.901	2.808	23.237
22.887	4.652	4.505	4.122	3.637	3.195	2.909	2.817	24.236
24.230	4.652	4.506	4.123	3.640	3.202	2.919	2.826	25.626

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
25.280	4.652	4.506	4.124	3.642	3.207	2.925	2.833	26.714
26.742	4.652	4.506	4.124	3.645	3.212	2.932	2.840	28.227
27.836	4.652	4.506	4.124	3.646	3.215	2.936	2.845	29.412
29.479	4.652	4.506	4.125	3.648	3.218	2.941	2.850	31.060
31.152	4.653	4.506	4.125	3.649	3.221	2.945	2.855	32.792
32.462	4.653	4.506	4.125	3.650	3.223	2.947	2.857	34.148
34.285	4.654	4.507	4.125	3.650	3.224	2.949	2.860	36.037
35.714	4.654	4.507	4.125	3.651	3.226	2.951	2.862	37.515
37.702	4.655	4.507	4.125	3.651	3.227	2.952	2.863	39.574
39.260	4.655	4.508	4.125	3.651	3.228	2.953	2.864	41.187
41.429	4.656	4.508	4.125	3.652	3.229	2.954	2.864	43.432
43.708	4.656	4.508	4.126	3.652	3.230	2.955	2.865	45.791
45.493	4.657	4.509	4.126	3.652	3.230	2.956	2.865	47.639
47.979	4.657	4.509	4.126	3.652	3.231	2.957	2.866	50.213
49.926	4.658	4.510	4.126	3.652	3.231	2.957	2.866	52.229
52.638	4.658	4.510	4.126	3.652	3.232	2.958	2.867	55.036
54.762	4.658	4.510	4.126	3.652	3.232	2.958	2.867	57.235
57.720	4.659	4.511	4.126	3.652	3.232	2.959	2.867	60.298
60.830	4.659	4.511	4.127	3.652	3.233	2.959	2.868	63.517
63.265	4.660	4.511	4.127	3.652	3.233	2.959	2.868	66.039
66.658	4.660	4.512	4.127	3.652	3.233	2.960	2.868	69.551
69.316	4.660	4.512	4.127	3.652	3.233	2.960	2.869	72.302
73.817	4.661	4.512	4.127	3.652	3.233	2.960	2.869	76.135
75.917	4.661	4.513	4.127	3.652	3.233	2.960	2.869	79.137
79.956	4.661	4.513	4.128	3.652	3.233	2.961	2.869	83.318
84.201	4.661	4.513	4.128	3.652	3.233	2.961	2.869	87.713
87.528	4.662	4.513	4.128	3.652	3.233	2.961	2.870	91.157
92.160	4.662	4.513	4.128	3.652	3.233	2.961	2.870	95.953
95.790	4.662	4.514	4.128	3.652	3.233	2.961	2.870	99.711
100.846	4.662	4.514	4.128	3.652	3.233	2.961	2.870	104.945
104.806	4.662	4.514	4.128	3.652	3.233	2.961	2.870	109.045
110.323	4.662	4.514	4.129	3.652	3.233	2.961	2.870	114.757
116.123	4.662	4.514	4.129	3.652	3.233	2.962	2.870	120.761
120.666	4.662	4.514	4.129	3.652	3.233	2.962	2.870	125.465
126.995	4.662	4.514	4.129	3.652	3.233	2.962	2.870	132.017
131.954	4.662	4.514	4.129	3.653	3.233	2.962	2.871	137.151
138.861	4.663	4.514	4.129	3.653	3.233	2.962	2.871	144.301
144.272	4.663	4.514	4.129	3.653	3.233	2.962	2.871	149.903
151.810	4.663	4.515	4.129	3.653	3.233	2.962	2.871	157.707
159.734	4.663	4.515	4.129	3.653	3.233	2.962	2.871	165.910
165.942	4.663	4.515	4.129	3.653	3.233	2.962	2.871	172.337
174.589	4.663	4.515	4.129	3.653	3.233	2.962	2.871	181.290
181.364	4.663	4.515	4.130	3.653	3.233	2.962	2.871	188.304
190.802	4.663	4.515	4.130	3.653	3.233	2.962	2.871	198.274
200.723	4.663	4.515	4.130	3.653	3.233	2.962	2.870	208.345

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	16.345	15.952	14.917	13.595	12.375	11.541	11.249	1.309
.929	15.688	15.304	14.296	13.017	11.842	11.044	10.764	1.503
1.108	14.985	14.609	13.630	12.395	11.273	10.517	10.253	1.689
1.365	14.040	13.679	12.744	11.576	10.524	9.821	9.575	1.955
1.658	13.126	12.775	11.874	10.760	9.772	9.119	8.893	2.259
1.985	12.327	11.981	11.098	10.019	9.076	8.462	8.251	2.596
2.342	11.618	11.272	10.394	9.341	8.438	7.860	7.664	2.966
2.806	11.090	10.728	9.816	8.744	7.840	7.271	7.080	3.447
3.217	10.823	10.438	9.477	8.368	7.449	6.875	6.685	3.872
3.640	10.707	10.294	9.271	8.103	7.147	6.562	6.369	4.310
4.072	10.713	10.266	9.168	7.930	6.929	6.323	6.125	4.757
4.507	10.821	10.335	9.150	7.829	6.776	6.142	5.936	5.207
4.942	11.009	10.481	9.201	7.789	6.675	6.011	5.795	5.658
5.463	11.313	10.734	9.333	7.800	6.608	5.905	5.679	6.197
5.893	11.610	10.991	9.489	7.851	6.588	5.850	5.613	6.643
6.320	11.926	11.271	9.675	7.931	6.593	5.818	5.571	7.084
6.742	12.245	11.562	9.882	8.033	6.619	5.805	5.547	7.521
7.160	12.560	11.852	10.100	8.152	6.662	5.808	5.538	7.954
7.573	12.870	12.137	10.323	8.285	6.719	5.824	5.542	8.381
7.981	13.176	12.420	10.545	8.425	6.787	5.851	5.556	8.805
8.467	13.537	12.754	10.810	8.601	6.880	5.896	5.586	9.308
8.869	13.827	13.027	11.028	8.751	6.965	5.941	5.619	9.724
9.269	14.101	13.291	11.245	8.902	7.055	5.993	5.659	10.138
9.670	14.353	13.541	11.460	9.054	7.150	6.051	5.705	10.552
10.071	14.578	13.772	11.670	9.206	7.247	6.113	5.755	10.968
10.475	14.773	13.981	11.875	9.358	7.347	6.180	5.811	11.386
10.965	14.964	14.197	12.110	9.541	7.471	6.264	5.883	11.894
11.381	15.087	14.345	12.292	9.693	7.576	6.338	5.946	12.324
11.805	15.179	14.464	12.459	9.844	7.683	6.415	6.013	12.763
12.238	15.242	14.555	12.609	9.994	7.793	6.495	6.084	13.211
12.683	15.279	14.619	12.739	10.140	7.903	6.578	6.158	13.672
13.141	15.294	14.659	12.848	10.282	8.016	6.664	6.234	14.147
13.713	15.288	14.677	12.949	10.444	8.152	6.771	6.330	14.738
14.209	15.269	14.673	13.009	10.569	8.267	6.863	6.414	15.252
14.726	15.241	14.656	13.048	10.684	8.382	6.957	6.501	15.787
15.266	15.208	14.630	13.068	10.786	8.495	7.054	6.590	16.347
15.833	15.171	14.598	13.071	10.872	8.607	7.153	6.683	16.933
16.426	15.134	14.564	13.060	10.942	8.716	7.253	6.778	17.549
17.054	15.096	14.527	13.040	10.995	8.820	7.354	6.875	18.197
17.848	15.055	14.484	13.008	11.035	8.936	7.475	6.993	19.019
18.549	15.026	14.451	12.977	11.052	9.022	7.573	7.091	19.745
19.289	15.002	14.423	12.946	11.055	9.098	7.669	7.188	20.511
20.070	14.986	14.400	12.915	11.048	9.160	7.761	7.284	21.320
20.890	14.975	14.385	12.887	11.033	9.207	7.846	7.375	22.169
21.755	14.970	14.374	12.862	11.014	9.241	7.923	7.462	23.064

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.0.

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
22.860	14.969	14.369	12.839	10.988	9.264	8.004	7.558	24.208
23.831	14.972	14.369	12.826	10.967	9.270	8.058	7.628	25.214
24.849	14.978	14.373	12.818	10.947	9.269	8.098	7.686	26.267
25.919	14.984	14.378	12.814	10.929	9.262	8.126	7.733	27.375
27.031	14.992	14.385	12.814	10.915	9.251	8.142	7.766	28.526
28.184	15.000	14.392	12.818	10.904	9.239	8.149	7.787	29.723
29.620	15.009	14.401	12.823	10.895	9.224	8.147	7.797	31.207
30.865	15.016	14.407	12.828	10.891	9.213	8.140	7.797	32.495
32.160	15.023	14.414	12.834	10.889	9.203	8.130	7.792	33.836
33.511	15.028	14.419	12.839	10.890	9.195	8.119	7.782	35.235
34.927	15.032	14.424	12.844	10.891	9.188	8.108	7.770	36.700
36.415	15.036	14.428	12.848	10.894	9.183	8.097	7.757	38.241
37.984	15.039	14.431	12.852	10.897	9.179	8.087	7.744	39.866
39.991	15.041	14.433	12.856	10.901	9.177	8.076	7.729	41.944
41.780	15.043	14.435	12.859	10.905	9.177	8.069	7.718	43.796
43.690	15.044	14.436	12.861	10.908	9.178	8.064	7.708	45.773
45.736	15.045	14.437	12.862	10.910	9.180	8.060	7.700	47.992
47.937	15.046	14.438	12.863	10.913	9.182	8.057	7.693	50.170
50.311	15.047	14.439	12.864	10.915	9.185	8.057	7.689	52.628
53.421	15.048	14.439	12.864	10.917	9.188	8.058	7.685	55.847
56.260	15.049	14.440	12.864	10.918	9.191	8.060	7.685	58.787
59.300	15.050	14.441	12.864	10.918	9.194	8.063	7.686	61.933
62.495	15.052	14.443	12.865	10.919	9.196	8.066	7.688	65.241
65.853	15.053	14.445	12.866	10.920	9.199	8.070	7.691	68.718
69.384	15.055	14.446	12.866	10.919	9.201	8.073	7.694	72.373
73.859	15.056	14.448	12.867	10.919	9.202	8.077	7.697	77.307
77.800	15.058	14.449	12.868	10.919	9.203	8.079	7.700	81.186
81.941	15.059	14.450	12.869	10.919	9.203	8.081	7.702	85.374
86.296	15.060	14.451	12.870	10.919	9.203	8.083	7.704	89.881
90.873	15.061	14.452	12.871	10.919	9.203	8.085	7.705	94.623
95.684	15.061	14.453	12.872	10.919	9.203	8.085	7.707	99.601
100.743	15.062	14.454	12.873	10.919	9.202	8.086	7.708	104.838
107.156	15.063	14.454	12.874	10.919	9.201	8.086	7.708	111.478
112.803	15.063	14.455	12.874	10.920	9.201	8.087	7.709	117.324
118.739	15.063	14.455	12.875	10.920	9.201	8.086	7.709	123.479
124.980	15.063	14.455	12.875	10.920	9.200	8.086	7.709	129.931
131.541	15.064	14.456	12.876	10.921	9.200	8.086	7.709	136.723
138.439	15.064	14.456	12.876	10.921	9.200	8.085	7.709	143.864
147.185	15.064	14.456	12.877	10.922	9.200	8.085	7.709	152.919
154.886	15.064	14.456	12.877	10.922	9.200	8.085	7.708	160.891
162.981	15.064	14.456	12.877	10.923	9.200	8.084	7.708	169.272
171.493	15.064	14.456	12.877	10.923	9.200	8.084	7.708	178. 84
180.441	15.064	14.456	12.877	10.923	9.200	8.084	7.708	187.348
189.848	15.064	14.456	12.877	10.924	9.200	8.084	7.707	197.287
201.777	15.064	14.456	12.877	10.924	9.201	8.084	7.707	209.436

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	35.758	34.884	32.589	29.662	26.961	25.118	24.473	1.309
.966	33.758	32.915	30.710	27.919	25.369	23.643	23.039	1.542
1.196	31.634	30.823	28.715	26.066	23.667	22.058	21.497	1.780
1.519	29.004	28.233	26.243	23.776	21.576	20.117	19.610	2.114
1.955	26.303	25.555	23.645	21.318	19.285	17.963	17.509	2.565
2.374	24.378	23.627	21.732	19.478	17.554	16.330	15.916	2.999
2.828	23.138	22.357	20.400	18.120	16.207	15.006	14.603	3.470
3.306	22.403	21.562	19.477	17.092	15.143	13.943	13.544	3.964
3.879	22.101	21.165	18.877	16.314	14.256	13.012	12.607	4.557
4.373	22.225	21.188	18.679	15.915	13.736	12.435	12.013	5.069
4.864	22.625	21.472	18.707	15.709	13.386	12.017	11.575	5.578
5.350	23.227	21.954	18.913	15.651	13.164	11.720	11.257	6.080
5.905	24.081	22.682	19.320	15.728	13.029	11.484	10.995	6.655
6.370	24.859	23.373	19.766	15.888	12.997	11.353	10.842	7.137
6.825	25.644	24.079	20.261	16.112	13.024	11.287	10.743	7.617
7.269	26.440	24.791	20.779	16.382	13.097	11.260	10.686	8.067
7.773	27.398	25.640	21.393	16.733	13.227	11.272	10.663	8.589
8.196	28.239	26.391	21.927	17.052	13.367	11.313	10.674	9.026
8.609	29.075	27.155	22.475	17.382	13.526	11.375	10.707	9.455
9.016	29.877	27.911	23.038	17.720	13.701	11.454	10.758	9.876
9.485	30.734	28.755	23.711	18.125	13.920	11.565	10.836	10.361
9.883	31.380	29.420	24.293	18.483	14.118	11.673	10.916	10.773
10.280	31.931	30.017	24.868	18.852	14.326	11.791	11.007	11.184
10.677	32.384	30.534	25.425	19.233	14.542	11.920	11.108	11.596
11.145	32.788	31.029	26.036	19.691	14.806	12.081	11.237	12.080
11.551	33.031	31.358	26.514	20.094	15.043	12.230	11.359	12.500
11.963	33.186	31.602	26.941	20.501	15.290	12.387	11.489	12.927
12.384	33.263	31.765	27.311	20.908	15.549	12.555	11.629	13.362
12.889	33.273	31.861	27.663	21.376	15.866	12.763	11.804	13.885
13.336	33.228	31.875	27.895	21.763	16.150	12.953	11.966	14.348
13.798	33.146	31.839	28.061	22.129	16.447	13.155	12.139	14.827
14.360	33.012	31.749	28.175	22.519	16.804	13.407	12.356	15.409
14.863	32.875	31.639	28.209	22.813	17.118	13.636	12.555	15.929
15.387	32.724	31.507	28.194	23.063	17.435	13.878	12.767	16.472
15.934	32.572	31.360	28.139	23.265	17.749	14.133	12.993	17.038
16.600	32.411	31.187	28.035	23.436	18.103	14.441	13.272	17.727
17.197	32.295	31.048	27.922	23.528	18.388	14.714	13.524	18.346
17.824	32.204	30.930	27.793	23.572	18.651	14.993	13.787	18.994
18.479	32.137	30.836	27.657	23.574	18.882	15.272	14.058	19.672
19.273	32.091	30.762	27.508	23.533	19.104	15.588	14.375	20.494
19.983	32.071	30.723	27.397	23.470	19.252	15.847	14.646	21.230
20.726	32.068	30.704	27.308	23.388	19.360	16.087	14.910	21.999
21.506	32.074	30.700	27.242	23.294	19.431	16.305	15.163	22.806
22.455	32.093	30.712	27.195	23.180	19.468	16.520	15.431	23.788
23.236	32.115	30.729	27.176	23.087	19.467	16.667	15.630	24.606

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.0.

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.169	32.140	30.750	27.172	23.004	19.442	16.778	15.798	25.564
25.078	32.168	30.775	27.179	22.937	19.400	16.856	15.932	26.505
26.178	32.201	30.805	27.195	22.879	19.336	16.906	16.042	27.644
27.147	32.230	30.834	27.215	22.848	19.275	16.918	16.101	28.646
28.143	32.255	30.861	27.235	22.829	19.214	16.908	16.129	29.677
29.163	32.275	30.885	27.257	22.822	19.155	16.881	16.132	30.734
30.386	32.294	30.909	27.284	22.824	19.095	16.834	16.109	32.000
31.466	32.306	30.924	27.306	22.832	19.052	16.785	16.073	33.118
32.580	32.314	30.934	27.326	22.843	19.019	16.732	16.026	34.271
33.731	32.320	30.941	27.345	22.856	18.994	16.679	15.972	35.463
35.127	32.325	30.947	27.362	22.872	18.974	16.618	15.905	36.908
36.375	32.327	30.949	27.371	22.887	18.966	16.571	15.848	38.201
37.676	32.330	30.951	27.377	22.902	18.963	16.529	15.792	39.547
39.034	32.332	30.952	27.381	22.915	18.964	16.494	15.742	40.953
40.701	32.333	30.953	27.382	22.931	18.970	16.463	15.690	42.678
42.207	32.334	30.954	27.382	22.942	18.978	16.444	15.655	44.237
43.797	32.335	30.955	27.383	22.950	18.987	16.433	15.627	45.880
45.758	32.336	30.955	27.382	22.957	18.999	16.427	15.603	47.914
47.552	32.337	30.956	27.382	22.961	19.010	16.427	15.591	49.772
49.461	32.338	30.956	27.382	22.963	19.020	16.432	15.586	51.748
51.499	32.339	30.957	27.382	22.964	19.030	16.441	15.585	53.858
54.063	32.340	30.958	27.382	22.966	19.040	16.453	15.590	56.512
56.442	32.341	30.959	27.381	22.967	19.047	16.466	15.598	58.975
59.013	32.342	30.960	27.381	22.967	19.053	16.480	15.609	61.637
61.802	32.344	30.961	27.381	22.967	19.058	16.493	15.622	64.524
65.372	32.346	30.963	27.380	22.966	19.062	16.508	15.639	68.220
68.742	32.348	30.965	27.380	22.964	19.065	16.519	15.654	71.709
72.441	32.350	30.967	27.380	22.961	19.067	16.528	15.668	75.538
76.513	32.353	30.970	27.380	22.958	19.068	16.535	15.681	79.754
81.793	32.355	30.973	27.382	22.954	19.067	16.539	15.691	85.220
86.664	32.359	30.976	27.385	22.953	19.064	16.541	15.696	90.263
91.815	32.361	30.980	27.389	22.954	19.063	16.543	15.699	95.596
97.261	32.363	30.982	27.391	22.955	19.062	16.543	15.700	101.234
104.012	32.365	30.984	27.394	22.955	19.059	16.540	15.697	108.223
110.159	32.367	30.986	27.397	22.957	19.056	16.537	15.694	114.587
116.660	32.368	30.987	27.399	22.959	19.055	16.534	15.690	121.316
123.533	32.368	30.988	27.400	22.960	19.054	16.530	15.685	128.433
132.054	32.369	30.988	27.402	22.963	19.053	16.526	15.680	137.254
139.813	32.369	30.989	27.403	22.964	19.052	16.523	15.676	145.287
148.019	32.370	30.989	27.403	22.966	19.053	16.520	15.672	153.782
156.696	32.370	30.989	27.404	22.967	19.053	16.518	15.669	162.765
167.452	32.370	30.990	27.404	22.968	19.054	16.516	15.666	173.901
177.247	32.371	30.990	27.404	22.969	19.055	16.515	15.663	184.141
187.606	32.371	30.990	27.405	22.970	19.056	16.514	15.660	194.765
200.446	32.371	30.990	27.405	22.970	19.057	16.513	15.658	208.059

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	62.941	61.394	57.332	52.156	47.383	44.127	42.986	1.329
.965	59.294	57.806	53.914	48.992	44.496	41.453	40.388	1.540
1.242	54.673	53.258	49.584	44.979	40.819	38.032	37.060	1.828
1.629	49.250	47.911	44.469	40.226	36.466	33.985	33.126	2.228
2.077	44.598	43.310	39.999	35.983	32.502	30.252	29.484	2.692
2.579	41.161	39.824	36.472	32.531	29.200	27.100	26.392	3.212
3.119	39.080	37.654	34.113	30.051	26.712	24.641	23.951	3.771
3.679	38.150	36.576	32.719	28.383	24.889	22.777	22.087	4.359
4.244	38.130	36.356	32.071	27.357	23.647	21.432	20.714	4.936
4.805	38.813	36.801	31.998	26.819	22.827	20.487	19.733	5.516
5.279	39.807	37.581	32.286	26.647	22.378	19.911	19.123	6.006
5.818	41.243	38.791	32.924	26.708	22.075	19.438	18.605	6.565
6.343	42.778	40.147	33.779	26.976	21.957	19.134	18.248	7.109
6.851	44.338	41.537	34.743	27.395	21.976	18.959	18.017	7.635
7.344	45.957	42.958	35.748	27.910	22.099	18.883	17.883	8.144
7.820	47.665	44.448	36.774	28.485	22.298	18.884	17.826	8.638
8.283	49.428	46.012	37.834	29.091	22.552	18.943	17.829	9.117
8.733	51.169	47.608	38.946	29.719	22.846	19.046	17.876	9.583
9.173	52.807	49.175	40.109	30.368	23.171	19.184	17.958	10.039
9.606	54.277	50.650	41.307	31.043	23.519	19.351	18.070	10.487
9.974	55.373	51.803	42.342	31.647	23.834	19.514	18.186	10.868
10.401	56.441	52.988	43.531	32.386	24.220	19.725	18.342	11.309
10.828	57.278	53.982	44.668	33.161	24.626	19.957	18.519	11.751
11.258	57.888	54.774	45.726	33.967	25.055	20.208	18.717	12.196
11.692	58.284	55.354	46.678	34.798	25.510	20.479	18.935	12.647
12.135	58.491	55.760	47.506	35.641	25.994	20.770	19.171	13.105
12.588	58.542	55.978	48.197	36.482	26.510	21.084	19.429	13.574
13.054	58.467	56.043	48.741	37.306	27.059	21.420	19.708	14.057
13.537	58.293	55.984	49.134	38.094	27.643	21.784	20.009	14.556
14.038	58.036	55.824	49.379	38.826	28.257	22.179	20.337	15.074
14.483	57.764	55.619	49.477	39.392	28.804	22.542	20.641	15.535
15.023	57.411	55.316	49.478	39.968	29.459	22.998	21.025	16.094
15.586	57.053	54.969	49.374	40.439	30.118	23.489	21.444	16.677
16.170	56.727	54.613	49.185	40.794	30.765	24.008	21.894	17.282
16.780	56.455	54.283	48.927	41.033	31.384	24.554	22.380	17.913
17.419	56.243	54.004	48.619	41.160	31.961	25.124	22.900	18.575
18.086	56.095	53.790	48.292	41.184	32.475	25.705	23.447	19.266
18.776	56.009	53.645	47.983	41.121	32.909	26.279	24.007	19.980
19.492	55.971	53.559	47.716	40.987	33.259	26.834	24.575	20.721
20.239	55.969	53.523	47.506	40.799	33.523	27.360	25.139	21.495
20.909	55.988	53.523	47.373	40.606	33.680	27.776	25.610	22.188
21.722	56.025	53.548	47.273	40.363	33.786	28.208	26.128	23.033
22.558	56.075	53.590	47.228	40.129	33.815	28.566	26.591	23.895
23.421	56.133	53.640	47.221	39.921	33.781	28.849	26.990	24.788
24.315	56.197	53.697	47.243	39.751	33.696	29.057	27.319	25.715

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
25.247	56.264	53.759	47.279	39.624	33.572	29.192	27.574	26.679
26.204	56.327	53.823	47.324	39.540	33.424	29.258	27.751	27.673
27.183	56.385	53.888	47.375	39.494	33.268	29.265	27.855	28.684
28.189	56.429	53.942	47.426	39.478	33.116	29.222	27.894	29.725
29.218	56.464	53.988	47.482	39.484	32.978	29.141	27.877	30.791
30.120	56.487	54.019	47.528	39.500	32.877	29.049	27.826	31.724
31.198	56.504	54.042	47.576	39.526	32.782	28.924	27.731	32.840
32.308	56.515	54.058	47.623	39.558	32.711	28.789	27.609	33.989
33.453	56.522	54.068	47.659	39.591	32.663	28.653	27.470	35.175
34.638	56.524	54.073	47.682	39.626	32.635	28.523	27.321	36.402
35.868	56.524	54.069	47.700	39.663	32.623	28.406	27.172	37.675
37.145	56.526	54.069	47.709	39.698	32.624	28.307	27.031	38.997
38.475	56.526	54.067	47.709	39.731	32.634	28.227	26.906	40.374
39.863	56.525	54.064	47.705	39.761	32.649	28.160	26.800	41.811
41.314	56.526	54.063	47.702	39.784	32.669	28.128	26.717	43.313
42.613	56.528	54.063	47.697	39.797	32.689	28.107	26.663	44.658
44.198	56.531	54.064	47.691	39.808	32.713	28.097	26.620	46.299
45.866	56.535	54.065	47.689	39.812	32.738	28.099	26.596	48.026
47.627	56.538	54.069	47.688	39.811	32.763	28.111	26.588	49.849
49.492	56.542	54.074	47.687	39.808	32.785	28.130	26.593	51.779
51.473	56.545	54.077	47.687	39.806	32.804	28.155	26.606	53.830
53.586	56.547	54.081	47.690	39.804	32.818	28.183	26.626	56.018
55.850	56.549	54.084	47.693	39.805	32.826	28.214	26.650	58.362
58.287	56.550	54.085	47.695	39.807	32.830	28.247	26.678	60.884
60.921	56.552	54.086	47.697	39.810	32.833	28.278	26.709	63.612
63.361	56.553	54.087	47.699	39.811	32.833	28.303	26.738	66.138
66.450	56.556	54.089	47.699	39.812	32.834	28.328	26.772	69.336
69.840	56.558	54.091	47.697	39.811	32.837	28.346	26.805	72.845
73.578	56.561	54.093	47.696	39.809	32.841	28.357	26.834	76.716
77.720	56.565	54.096	47.695	39.804	32.845	28.362	26.857	81.003
82.327	56.569	54.100	47.695	39.797	32.845	28.362	26.871	85.773
87.473	56.573	54.105	47.696	39.790	32.840	28.358	26.877	91.101
93.242	56.577	54.110	47.699	39.783	32.830	28.350	26.876	97.073
99.526	56.581	54.115	47.705	39.780	32.819	28.337	26.867	103.579
106.221	56.584	54.120	47.712	39.785	32.815	28.322	26.854	110.509
112.306	56.587	54.123	47.717	39.789	32.814	28.309	26.839	116.809
119.835	56.589	54.125	47.721	39.792	32.811	28.291	26.815	124.604
127.856	56.590	54.127	47.725	39.797	32.806	28.273	26.788	132.908
136.402	56.592	54.128	47.727	39.802	32.805	28.255	26.759	141.755
145.506	56.593	54.129	47.729	39.806	32.808	28.241	26.730	151.180
155.205	56.593	54.129	47.730	39.810	32.810	28.229	26.701	161.222
165.538	56.594	54.130	47.731	39.812	32.813	28.221	26.674	171.919
176.547	56.594	54.130	47.731	39.814	32.816	28.216	26.651	183.317
188.276	56.595	54.131	47.732	39.815	32.818	28.214	26.631	195.459
200.772	56.595	54.131	47.732	39.816	32.821	28.214	26.616	208.396

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	97.884	95.474	89.143	81.074	73.635	68.567	66.785	1.309
1.191	86.111	83.890	78.110	70.854	64.289	59.886	58.349	1.774
1.747	74.127	72.068	66.794	60.327	54.630	50.895	49.604	2.350
2.566	63.862	61.795	56.615	50.480	45.278	41.982	40.867	3.198
3.399	59.463	57.135	51.435	44.925	39.628	36.393	35.324	4.060
4.247	58.820	56.047	49.404	42.074	36.317	32.898	31.787	4.939
5.148	60.920	57.525	49.507	40.932	34.436	30.685	29.484	5.872
5.936	64.134	60.229	50.908	41.005	33.686	29.556	28.252	6.687
6.680	67.584	63.288	52.922	41.729	33.518	28.967	27.546	7.457
7.444	71.521	66.729	55.311	42.925	33.756	28.722	27.165	8.248
8.193	75.392	70.117	57.572	44.181	34.214	28.741	27.056	8.930
8.783	78.605	73.964	60.198	45.621	34.867	28.937	27.115	9.634
9.379	83.088	77.351	62.753	47.001	35.547	29.227	27.284	10.251
9.956	85.976	80.357	65.358	48.462	36.278	29.592	27.535	10.849
10.572	88.350	83.035	68.108	50.168	37.129	30.054	27.878	11.487
11.131	89.819	84.881	70.416	51.825	37.963	30.523	28.243	12.065
11.689	90.675	86.146	72.425	53.539	38.859	31.034	28.649	12.643
12.303	91.040	86.922	74.210	55.427	39.921	31.642	29.139	13.279
12.876	90.986	87.173	75.439	57.115	40.975	32.252	29.632	13.872
13.516	90.616	87.066	76.332	58.842	42.210	32.985	30.226	14.535
14.121	90.063	86.791	76.764	60.260	43.409	33.727	30.829	15.161
14.747	89.381	86.143	76.876	61.470	44.652	34.542	31.498	15.809
15.455	88.612	85.397	76.700	62.514	46.023	35.515	32.311	16.542
16.130	87.987	84.696	76.321	63.197	47.251	36.478	33.135	17.241
16.831	87.499	84.077	75.788	63.619	48.407	37.496	34.031	17.967
17.626	87.135	83.563	75.111	63.803	49.537	38.646	35.081	18.789
18.382	86.949	83.251	74.497	63.755	50.415	39.709	36.093	19.573
19.239	86.880	83.071	73.926	63.511	51.177	40.837	37.223	20.459
20.052	86.903	83.027	73.538	63.156	51.684	41.805	38.251	21.301
20.893	86.974	83.063	73.286	62.725	52.013	42.677	39.238	22.172
21.842	87.083	83.153	73.151	62.233	52.185	43.489	40.229	23.154
22.741	87.201	83.259	73.131	61.818	52.192	44.089	41.029	24.085
23.669	87.328	83.377	73.178	61.478	52.082	44.545	41.702	25.045
24.714	87.470	83.514	73.273	61.211	51.860	44.879	42.277	26.128
25.705	87.590	83.642	73.378	61.061	51.594	45.045	42.655	27.153
26.727	87.690	83.761	73.490	60.991	51.301	45.090	42.894	28.212
27.880	87.773	83.868	73.615	60.987	50.987	45.020	43.006	29.405
28.973	87.824	83.941	73.728	61.030	50.733	44.867	42.987	30.537
30.207	87.858	83.992	73.844	61.106	50.512	44.630	42.853	31.814
31.377	87.873	84.017	73.935	61.189	50.368	44.372	42.647	33.026
32.587	87.877	84.027	74.005	61.276	50.277	44.102	42.383	34.278
33.954	87.873	84.025	74.054	61.373	50.233	43.818	42.059	35.693
35.252	87.864	84.016	74.078	61.459	50.232	43.588	41.755	37.037
36.595	87.853	84.005	74.084	61.541	50.259	43.398	41.467	38.427
38.112	87.838	83.990	74.078	61.619	50.310	43.242	41.192	39.999

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
39.554	87.824	83.974	74.064	61.676	50.367	43.146	40.957	41.491
41.184	87.812	83.958	74.046	61.721	50.435	43.088	40.818	43.179
42.733	87.803	83.945	74.028	61.746	50.501	43.072	40.714	44.782
44.335	87.798	83.936	74.010	61.756	50.566	43.082	40.655	46.441
46.146	87.794	83.930	73.991	61.756	50.633	43.116	40.634	48.316
47.867	87.793	83.927	73.975	61.748	50.690	43.162	40.647	50.198
49.648	87.792	83.926	73.962	61.736	50.739	43.216	40.682	51.941
51.662	87.792	83.927	73.951	61.720	50.782	43.282	40.741	54.026
53.575	87.793	83.928	73.945	61.706	50.811	43.344	40.836	56.006
55.737	87.795	83.929	73.942	61.690	50.831	43.412	40.886	58.245
57.792	87.796	83.930	73.941	61.676	50.842	43.472	40.964	60.372
59.918	87.798	83.931	73.941	61.663	50.846	43.528	41.044	62.573
62.321	87.801	83.933	73.943	61.652	50.846	43.580	41.129	65.061
64.605	87.803	83.934	73.944	61.643	50.843	43.621	41.202	67.426
66.968	87.806	83.936	73.944	61.636	50.838	43.653	41.270	69.872
69.639	87.809	83.938	73.945	61.632	50.831	43.680	41.335	72.638
72.178	87.811	83.940	73.946	61.629	50.825	43.697	41.385	75.266
74.804	87.814	83.942	73.946	61.627	50.818	43.708	41.427	77.985
77.774	87.817	83.944	73.947	61.626	50.811	43.716	41.463	81.059
80.595	87.819	83.947	73.948	61.625	50.806	43.719	41.489	83.980
83.786	87.822	83.950	73.950	61.624	50.801	43.719	41.510	87.283
86.817	87.823	83.952	73.951	61.623	50.798	43.717	41.525	90.421
89.953	87.825	83.955	73.953	61.623	50.795	43.715	41.535	93.668
93.500	87.826	83.956	73.955	61.623	50.794	43.711	41.543	97.340
96.869	87.826	83.958	73.957	61.622	50.793	43.707	41.548	100.828
100.356	87.826	83.959	73.959	61.623	50.793	43.703	41.552	104.438
104.299	87.826	83.959	73.962	61.623	50.793	43.700	41.555	108.520
108.046	87.826	83.959	73.963	61.624	50.793	43.697	41.557	112.399
112.282	87.825	83.959	73.965	61.625	50.793	43.695	41.559	116.784
116.307	87.824	83.958	73.966	61.626	50.794	43.694	41.562	120.951
120.472	87.823	83.958	73.966	61.627	50.795	43.693	41.565	125.264
125.183	87.823	83.957	73.967	61.628	50.796	43.692	41.569	130.140
129.658	87.822	83.956	73.967	61.629	50.798	43.691	41.573	134.773
134.289	87.821	83.955	73.966	61.630	50.799	43.691	41.577	139.568
139.527	87.821	83.954	73.965	61.630	50.801	43.690	41.581	144.990
144.503	87.821	83.953	73.965	61.631	50.803	43.690	41.585	150.142
150.130	87.821	83.953	73.963	61.631	50.806	43.689	41.588	155.968
155.476	87.821	83.952	73.962	61.630	50.808	43.689	41.591	161.502
161.009	87.821	83.952	73.961	61.629	50.810	43.689	41.594	167.231
167.266	87.822	83.952	73.960	61.628	50.812	43.689	41.597	173.708
173.210	87.822	83.953	73.960	61.627	50.814	43.689	41.599	179.862
179.362	87.823	83.953	73.959	61.626	50.816	43.689	41.601	186.231
186.319	87.823	83.954	73.959	61.624	50.818	43.689	41.604	193.433
192.929	87.824	83.954	73.959	61.623	50.820	43.689	41.606	200.276
200.403	87.824	83.955	73.959	61.621	50.821	43.689	41.608	208.014

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	140.597	137.127	128.025	116.424	105.727	98.432	95.873	1.309
1.190	123.569	120.377	112.073	101.650	92.221	85.896	83.690	1.773
1.807	104.724	101.783	94.257	85.057	76.979	71.695	69.873	2.413
2.561	91.405	88.443	81.023	72.234	64.784	60.065	58.468	3.193
3.468	84.691	81.310	73.053	63.659	56.046	51.412	49.883	4.132
4.312	84.066	80.026	70.373	59.767	51.473	46.563	44.970	5.106
5.206	87.263	82.321	70.661	58.239	48.871	43.480	41.757	5.931
6.053	92.338	86.628	72.967	58.452	47.782	41.795	39.910	6.808
6.783	97.260	90.986	75.883	59.560	47.609	41.014	38.960	7.564
7.532	102.965	95.938	79.270	61.285	47.981	40.696	38.449	8.339
8.177	108.585	100.855	82.500	63.060	48.639	40.732	38.303	9.007
8.843	114.640	106.414	86.287	65.087	49.557	41.009	38.386	9.697
9.479	120.011	111.687	90.318	67.223	50.595	41.454	38.646	10.355
10.043	124.014	115.909	94.070	69.320	51.620	41.965	38.997	10.939
10.645	127.262	119.634	98.003	71.778	52.813	42.606	39.473	11.562
11.191	129.238	122.173	101.285	74.166	53.989	43.256	39.977	12.128
11.787	130.424	124.008	104.366	76.865	55.381	44.032	40.590	12.745
12.339	130.799	124.918	106.650	79.357	56.772	44.809	41.211	13.316
12.952	130.629	125.223	108.508	82.005	58.423	45.743	41.958	13.950
13.581	130.000	124.976	109.703	84.475	60.207	46.782	42.790	14.602
14.175	129.121	124.371	110.255	86.496	61.941	47.840	43.641	15.217
14.847	127.979	123.399	110.347	88.358	63.906	49.119	44.683	15.912
15.486	126.934	122.347	110.044	89.699	65.726	50.407	45.751	16.574
16.210	125.956	121.213	109.370	90.734	67.663	51.926	47.045	17.324
16.965	125.225	120.258	108.440	91.326	69.469	53.542	48.467	18.105
17.683	124.785	119.610	107.486	91.509	70.947	55.077	49.869	18.848
18.496	124.536	119.160	106.495	91.371	72.309	56.761	51.477	19.690
19.268	124.479	118.961	105.744	90.990	73.296	58.262	52.987	20.490
20.141	124.541	118.926	105.152	90.370	74.077	59.791	54.621	21.393
20.968	124.665	119.005	104.819	89.694	74.525	61.046	56.054	22.249
21.900	124.840	119.157	104.659	88.945	74.744	62.216	57.492	23.214
22.864	125.043	119.342	104.663	88.279	74.716	63.149	58.750	24.213
23.777	125.242	119.528	104.759	87.795	74.512	63.788	59.712	25.157
24.804	125.455	119.742	104.918	87.427	74.142	64.252	60.533	26.221
25.777	125.628	119.935	105.085	87.229	73.717	64.474	61.070	27.228
26.872	125.780	120.123	105.278	87.147	73.219	64.516	61.428	28.362
28.006	125.889	120.271	105.473	87.169	72.745	64.375	61.560	29.535
29.080	125.956	120.367	105.646	87.252	72.369	64.116	61.502	30.647
30.291	125.996	120.431	105.818	87.379	72.050	63.731	61.270	31.901
31.439	126.012	120.460	105.948	87.512	71.845	63.323	60.933	33.090
32.735	126.012	120.468	106.050	87.663	71.715	62.866	60.471	34.432
33.965	126.003	120.460	106.108	87.802	71.668	62.469	60.003	35.704
35.353	125.985	120.443	106.136	87.948	71.680	62.091	59.491	37.142
36.793	125.962	120.420	106.138	88.082	71.737	61.789	59.017	38.632
38.159	125.939	120.396	106.123	88.186	71.816	61.584	58.641	40.047

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.703	125.917	120.369	106.096	88.274	71.917	61.438	58.310	41.645
41.168	125.901	120.346	106.068	88.329	72.018	61.368	58.085	43.162
42.824	125.889	120.325	106.037	88.362	72.130	61.349	57.922	44.876
44.541	125.881	120.312	106.005	88.372	72.241	61.377	57.837	46.654
46.171	125.878	120.306	105.978	88.366	72.336	61.433	57.818	48.342
48.013	125.876	120.303	105.952	88.348	72.429	61.515	57.847	50.248
49.761	125.876	120.304	105.933	88.327	72.500	61.604	57.909	52.058
51.736	125.878	120.306	105.920	88.301	72.560	61.709	58.004	54.103
53.611	125.879	120.308	105.913	88.278	72.598	61.808	58.109	56.044
55.729	125.882	120.310	105.910	88.252	72.625	61.914	58.235	58.237
57.926	125.885	120.312	105.911	88.229	72.638	62.014	58.369	60.511
60.012	125.888	120.314	105.913	88.210	72.641	62.096	58.491	62.671
62.368	125.891	120.316	105.915	88.193	72.638	62.173	58.621	65.110
64.605	125.894	120.319	105.918	88.181	72.630	62.231	58.731	67.426
67.132	125.898	120.321	105.919	88.172	72.620	62.280	58.839	70.042
69.753	125.902	120.323	105.921	88.167	72.608	62.316	58.932	72.756
72.242	125.906	120.325	105.922	88.164	72.597	62.338	59.003	75.332
75.053	125.910	120.328	105.922	88.163	72.585	62.352	59.066	78.243
77.722	125.914	120.332	105.923	88.162	72.575	62.359	59.112	81.006
80.738	125.918	120.336	105.924	88.161	72.566	62.361	59.149	84.128
83.601	125.921	120.339	105.926	88.160	72.560	62.359	59.174	87.092
86.835	125.923	120.343	105.927	88.160	72.555	62.354	59.194	90.440
90.191	125.925	120.347	105.930	88.159	72.552	62.347	59.207	93.914
93.376	125.926	120.349	105.933	88.158	72.551	62.341	59.215	97.211
96.975	125.927	120.352	105.936	88.158	72.551	62.333	59.220	100.938
100.392	125.927	120.353	105.939	88.158	72.551	62.327	59.222	104.475
104.253	125.927	120.354	105.942	88.158	72.551	62.322	59.224	108.472
108.258	125.926	120.354	105.945	88.159	72.552	62.318	59.226	112.618
112.060	125.925	120.353	105.947	88.160	72.552	62.316	59.229	116.555
116.356	125.924	120.352	105.949	88.161	72.553	62.314	59.233	121.003
120.436	125.923	120.351	105.950	88.163	72.555	62.314	59.237	125.226
125.045	125.922	120.350	105.950	88.164	72.556	62.313	59.243	129.997
129.421	125.921	120.348	105.950	88.166	72.558	62.313	59.250	134.528
134.365	125.920	120.347	105.950	88.167	72.561	62.313	59.257	139.647
139.494	125.919	120.345	105.949	88.168	72.563	62.312	59.263	144.957
144.364	125.919	120.344	105.947	88.169	72.566	62.312	59.269	149.999
149.867	125.919	120.343	105.946	88.169	72.569	62.312	59.275	155.695
155.091	125.919	120.343	105.944	88.168	72.572	62.312	59.280	161.104
160.994	125.919	120.343	105.942	88.167	72.576	62.311	59.285	167.215
167.118	125.920	120.343	105.941	88.166	72.579	62.311	59.289	173.555
172.932	125.921	120.343	105.940	88.164	72.582	62.311	59.293	179.574
179.501	125.922	120.344	105.939	88.162	72.585	62.311	59.296	186.374
185.738	125.922	120.345	105.938	88.160	72.587	62.311	59.299	192.831
192.785	125.923	120.346	105.938	88.157	72.589	62.312	59.301	200.127
200.095	125.924	120.347	105.938	88.155	72.591	62.312	59.304	207.696

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	3.419	3.353	3.179	2.952	2.739	2.591	2.539	1.222
.751	3.455	3.385	3.201	2.963	2.742	2.588	2.534	1.32
.850	3.500	3.429	3.243	3.003	2.779	2.625	2.571	1.426
.992	3.508	3.436	3.246	3.003	2.779	2.626	2.572	1.577
1.144	3.500	3.427	3.235	2.991	2.766	2.612	2.558	1.739
1.266	3.487	3.413	3.221	2.977	2.752	2.600	2.546	1.868
1.437	3.468	3.393	3.200	2.955	2.732	2.580	2.527	2.051
1.618	3.451	3.376	3.181	2.934	2.710	2.560	2.507	2.244
1.809	3.441	3.364	3.167	2.918	2.692	2.542	2.489	2.447
1.958	3.438	3.360	3.160	2.909	2.682	2.531	2.478	2.605
2.164	3.403	3.328	3.129	2.880	2.656	2.507	2.456	2.825
2.384	3.412	3.330	3.121	2.865	2.637	2.488	2.438	3.059
2.615	3.443	3.360	3.146	2.882	2.644	2.488	2.435	3.304
2.795	3.456	3.373	3.158	2.893	2.654	2.494	2.439	3.495
3.043	3.484	3.398	3.174	2.902	2.662	2.502	2.446	3.759
3.299	3.518	3.430	3.201	2.919	2.670	2.509	2.453	4.033
3.564	3.552	3.462	3.229	2.942	2.687	2.520	2.464	4.315
3.769	3.579	3.487	3.249	2.959	2.701	2.531	2.474	4.532
4.048	3.616	3.522	3.280	2.981	2.719	2.547	2.489	4.829
4.336	3.651	3.556	3.310	3.007	2.738	2.563	2.504	5.136
4.634	3.687	3.590	3.340	3.033	2.760	2.580	2.519	5.452
4.863	3.712	3.615	3.362	3.051	2.776	2.595	2.533	5.697
5.179	3.743	3.646	3.391	3.076	2.797	2.615	2.552	6.032
5.506	3.771	3.674	3.419	3.101	2.817	2.634	2.571	6.380
5.845	3.796	3.700	3.445	3.124	2.838	2.652	2.589	6.742
6.109	3.812	3.717	3.463	3.141	2.854	2.666	2.602	7.022
6.473	3.832	3.737	3.484	3.163	2.874	2.684	2.620	7.410
6.854	3.848	3.754	3.504	3.183	2.892	2.702	2.638	7.815
7.253	3.862	3.769	3.520	3.202	2.911	2.719	2.654	8.240
7.565	3.872	3.779	3.531	3.214	2.924	2.731	2.666	8.572
7.999	3.883	3.790	3.544	3.230	2.940	2.747	2.682	9.034
8.458	3.893	3.801	3.556	3.243	2.955	2.763	2.697	9.522
8.943	3.901	3.809	3.566	3.255	2.969	2.777	2.712	10.038
9.325	3.906	3.814	3.572	3.263	2.979	2.787	2.722	10.445
9.863	3.911	3.820	3.580	3.273	2.99	2.800	2.734	11.017
10.434	3.914	3.825	3.586	3.281	2.999	2.811	2.746	11.626
11.044	3.917	3.828	3.591	3.288	3.008	2.821	2.757	12.275
11.529	3.919	3.830	3.594	3.292	3.014	2.828	2.764	12.790
12.215	3.921	3.832	3.598	3.297	3.020	2.836	2.772	13.520
12.949	3.922	3.834	3.600	3.301	3.026	2.843	2.780	14.302
13.738	3.923	3.835	3.602	3.305	3.031	2.848	2.786	15.141
14.367	3.923	3.835	3.603	3.307	3.034	2.852	2.790	15.811
15.262	3.924	3.836	3.604	3.309	3.038	2.856	2.795	16.763
16.225	3.924	3.837	3.605	3.311	3.040	2.860	2.798	17.787
17.261	3.925	3.837	3.606	3.312	3.043	2.863	2.801	18.891

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
18.088	3.925	3.837	3.606	3.313	3.044	2.864	2.803	19.770
19.244	3.926	3.838	3.607	3.314	3.046	2.866	2.805	21.001
20.466	3.926	3.838	3.607	3.315	3.047	2.868	2.807	22.301
21.757	3.927	3.839	3.608	3.315	3.048	2.869	2.808	23.675
22.773	3.927	3.839	3.608	3.316	3.049	2.870	2.809	24.756
24.195	3.928	3.840	3.608	3.316	3.049	2.871	2.810	26.269
25.698	3.928	3.840	3.609	3.316	3.050	2.872	2.811	27.869
27.287	3.929	3.840	3.609	3.317	3.051	2.872	2.811	29.560
28.538	3.929	3.841	3.609	3.317	3.051	2.873	2.812	30.891
30.288	3.929	3.841	3.609	3.317	3.051	2.873	2.812	32.754
32.139	3.930	3.842	3.610	3.317	3.051	2.874	2.813	34.723
34.095	3.930	3.842	3.610	3.317	3.052	2.874	2.813	36.805
35.635	3.931	3.842	3.610	3.318	3.052	2.874	2.813	38.444
37.791	3.931	3.843	3.610	3.318	3.052	2.874	2.813	40.738
40.071	3.931	3.843	3.610	3.318	3.052	2.875	2.814	43.164
42.481	3.931	3.843	3.611	3.318	3.052	2.875	2.814	45.728
44.378	3.932	3.843	3.611	3.318	3.052	2.875	2.814	47.748
47.034	3.932	3.843	3.611	3.318	3.052	2.875	2.814	50.574
49.843	3.932	3.844	3.611	3.318	3.052	2.875	2.814	53.563
52.812	3.932	3.844	3.611	3.318	3.052	2.875	2.814	56.723
55.150	3.932	3.844	3.611	3.318	3.052	2.875	2.814	59.211
58.423	3.933	3.844	3.612	3.318	3.052	2.875	2.814	62.694
61.884	3.933	3.844	3.612	3.318	3.052	2.875	2.814	66.377
65.543	3.933	3.844	3.612	3.319	3.052	2.875	2.814	70.271
68.425	3.933	3.844	3.612	3.319	3.052	2.875	2.814	73.338
72.459	3.933	3.845	3.612	3.319	3.052	2.875	2.814	77.631
76.724	3.933	3.845	3.612	3.319	3.052	2.875	2.814	82.170
81.234	3.933	3.845	3.612	3.319	3.052	2.875	2.814	86.969
84.785	3.933	3.845	3.612	3.319	3.053	2.875	2.814	90.748
89.757	3.933	3.845	3.612	3.319	3.053	2.875	2.814	96.039
95.014	3.933	3.845	3.612	3.319	3.053	2.875	2.814	101.633
100.572	3.933	3.845	3.612	3.319	3.053	2.875	2.814	107.548
104.949	3.933	3.845	3.612	3.319	3.053	2.875	2.814	112.206
111.077	3.933	3.845	3.612	3.319	3.053	2.875	2.814	118.727
117.556	3.933	3.845	3.612	3.319	3.053	2.875	2.814	125.622
124.407	3.933	3.845	3.612	3.319	3.053	2.875	2.814	132.913
129.802	3.933	3.845	3.613	3.319	3.053	2.875	2.814	138.654
137.355	3.933	3.845	3.613	3.319	3.053	2.875	2.814	146.692
145.341	3.933	3.845	3.613	3.319	3.053	2.875	2.814	155.190
153.785	3.933	3.845	3.613	3.319	3.053	2.875	2.814	164.176
160.434	3.933	3.845	3.613	3.319	3.053	2.875	2.814	171.252
169.744	3.933	3.845	3.613	3.319	3.053	2.875	2.814	181.159
179.587	3.933	3.845	3.613	3.319	3.053	2.875	2.814	191.634
189.995	3.933	3.845	3.613	3.319	3.053	2.875	2.814	202.710
200.999	3.933	3.845	3.613	3.319	3.053	2.875	2.814	214.421

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	6.117	5.989	5.651	5.215	4.807	4.526	4.427	1.222
.770	6.110	5.978	5.629	5.181	4.764	4.478	4.377	1.341
.893	6.050	5.917	5.569	5.123	4.713	4.432	4.333	1.472
1.027	5.963	5.828	5.477	5.032	4.623	4.346	4.248	1.615
1.209	5.838	5.704	5.353	4.911	4.507	4.234	4.138	1.808
1.366	5.740	5.605	5.253	4.811	4.411	4.143	4.049	1.975
1.575	5.637	5.499	5.143	4.698	4.299	4.033	3.940	2.198
1.751	5.575	5.434	5.072	4.623	4.221	3.955	3.863	2.385
1.981	5.527	5.382	5.010	4.550	4.142	3.874	3.781	2.630
2.171	5.474	5.328	4.950	4.485	4.074	3.806	3.714	2.832
2.420	5.492	5.332	4.928	4.442	4.018	3.742	3.648	3.096
2.624	5.527	5.365	4.950	4.446	4.008	3.722	3.624	3.314
2.886	5.583	5.411	4.975	4.452	4.001	3.710	3.610	3.593
3.100	5.649	5.470	5.015	4.468	3.998	3.699	3.599	3.820
3.370	5.739	5.552	5.076	4.507	4.014	3.698	3.593	4.108
3.589	5.820	5.626	5.132	4.542	4.036	3.710	3.599	4.341
3.867	5.926	5.725	5.211	4.594	4.067	3.731	3.617	4.637
4.092	6.013	5.806	5.277	4.643	4.097	3.751	3.634	4.876
4.376	6.119	5.908	5.363	4.705	4.143	3.781	3.660	5.179
4.607	6.198	5.986	5.433	4.758	4.180	3.812	3.686	5.424
4.900	6.289	6.077	5.518	4.828	4.228	3.850	3.723	5.736
5.138	6.354	6.143	5.583	4.883	4.271	3.881	3.752	5.989
5.441	6.426	6.216	5.659	4.950	4.326	3.923	3.789	6.312
5.689	6.478	6.269	5.714	5.004	4.369	3.960	3.822	6.575
6.005	6.537	6.328	5.777	5.067	4.423	4.007	3.866	6.912
6.265	6.579	6.372	5.822	5.115	4.467	4.043	3.901	7.189
6.600	6.627	6.420	5.874	5.170	4.521	4.090	3.944	7.545
6.876	6.659	6.455	5.911	5.211	4.561	4.128	3.979	7.839
7.233	6.693	6.492	5.954	5.257	4.610	4.175	4.026	8.219
7.530	6.714	6.516	5.984	5.292	4.647	4.211	4.062	8.534
7.916	6.734	6.540	6.017	5.331	4.690	4.255	4.104	8.945
8.322	6.748	6.557	6.045	5.366	4.730	4.298	4.147	9.377
8.662	6.756	6.567	6.062	5.391	4.760	4.329	4.180	9.739
9.109	6.761	6.575	6.078	5.419	4.793	4.366	4.218	10.215
9.486	6.763	6.579	6.087	5.438	4.817	4.394	4.246	10.616
9.984	6.764	6.581	6.095	5.457	4.845	4.426	4.280	11.147
10.407	6.764	6.581	6.099	5.469	4.865	4.449	4.306	11.597
10.969	6.762	6.581	6.102	5.480	4.886	4.476	4.333	12.194
11.447	6.761	6.580	6.102	5.486	4.901	4.495	4.354	12.704
12.087	6.760	6.578	6.102	5.491	4.915	4.516	4.377	13.384
12.634	6.758	6.577	6.101	5.493	4.924	4.530	4.392	13.966
13.367	6.756	6.576	6.100	5.494	4.932	4.545	4.410	14.747
13.998	6.755	6.574	6.099	5.494	4.935	4.554	4.421	15.418
14.846	6.754	6.573	6.098	5.494	4.938	4.562	4.432	16.323
15.577	6.753	6.572	6.097	5.494	4.940	4.567	4.438	17.198

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
16.563	6.753	6.572	6.096	5.493	4.940	4.569	4.443	18.147
17.414	6.753	6.572	6.095	5.492	4.940	4.571	4.445	19.053
18.563	6.754	6.572	6.095	5.492	4.940	4.571	4.446	20.276
19.556	6.755	6.573	6.095	5.491	4.940	4.571	4.446	21.333
20.895	6.756	6.574	6.095	5.491	4.940	4.571	4.446	22.758
22.031	6.757	6.575	6.096	5.491	4.940	4.571	4.446	23.966
23.528	6.759	6.577	6.097	5.492	4.940	4.571	4.445	25.560
24.792	6.761	6.578	6.098	5.492	4.940	4.571	4.445	26.905
26.460	6.763	6.580	6.099	5.493	4.941	4.571	4.445	28.679
27.867	6.764	6.581	6.100	5.494	4.941	4.571	4.445	30.177
29.724	6.765	6.582	6.102	5.494	4.942	4.571	4.444	32.153
31.291	6.767	6.583	6.102	5.495	4.942	4.571	4.444	33.821
33.359	6.768	6.584	6.103	5.496	4.943	4.572	4.444	36.022
35.105	6.769	6.585	6.104	5.496	4.943	4.572	4.445	37.880
37.409	6.770	6.586	6.105	5.497	4.944	4.573	4.445	40.332
39.856	6.770	6.587	6.106	5.497	4.944	4.573	4.445	42.935
41.921	6.771	6.588	6.106	5.498	4.945	4.573	4.446	45.133
44.647	6.771	6.588	6.107	5.498	4.945	4.574	4.446	48.034
46.950	6.772	6.589	6.107	5.498	4.945	4.574	4.446	50.484
49.987	6.772	6.589	6.107	5.499	4.945	4.575	4.447	53.717
52.553	6.773	6.589	6.108	5.499	4.946	4.575	4.447	56.447
55.939	6.773	6.590	6.108	5.499	4.946	4.575	4.447	60.050
58.798	6.773	6.590	6.108	5.499	4.946	4.575	4.448	63.093
62.571	6.773	6.590	6.109	5.499	4.946	4.576	4.448	67.109
65.758	6.773	6.590	6.109	5.500	4.946	4.576	4.448	70.500
69.964	6.774	6.590	6.109	5.500	4.946	4.576	4.448	74.976
73.516	6.774	6.590	6.109	5.500	4.946	4.576	4.448	78.756
78.204	6.774	6.591	6.109	5.500	4.946	4.576	4.448	83.745
82.163	6.774	6.591	6.109	5.500	4.946	4.576	4.448	87.958
87.388	6.774	6.591	6.110	5.500	4.946	4.576	4.448	93.518
91.801	6.774	6.591	6.110	5.501	4.946	4.576	4.448	98.215
97.626	6.774	6.591	6.110	5.501	4.946	4.576	4.448	104.413
102.544	6.774	6.591	6.110	5.501	4.946	4.576	4.448	109.647
109.036	6.774	6.591	6.110	5.501	4.947	4.576	4.448	116.556
114.519	6.774	6.591	6.110	5.501	4.947	4.576	4.448	122.390
121.755	6.774	6.591	6.110	5.501	4.947	4.576	4.447	130.091
127.866	6.774	6.591	6.110	5.501	4.947	4.576	4.447	136.594
135.932	6.774	6.591	6.110	5.501	4.947	4.576	4.447	145.177
142.744	6.774	6.591	6.110	5.501	4.947	4.576	4.447	152.426
151.734	6.774	6.591	6.110	5.501	4.947	4.576	4.447	161.993
159.327	6.774	6.591	6.110	5.501	4.947	4.576	4.447	170.073
169.347	6.774	6.591	6.110	5.501	4.947	4.576	4.447	180.737
177.811	6.774	6.591	6.110	5.501	4.947	4.576	4.447	189.744
188.980	6.774	6.591	6.110	5.501	4.947	4.576	4.447	201.630
200.844	6.774	6.591	6.110	5.501	4.947	4.578	4.447	214.255

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	21.791	21.302	20.010	18.355	16.818	15.764	15.392	1.222
.814	21.221	20.729	19.438	17.791	16.273	15.237	14.873	1.388
.962	20.527	20.036	18.751	17.127	15.645	14.642	14.291	1.545
1.159	19.654	19.167	17.902	16.315	14.876	13.909	13.571	1.754
1.413	18.710	18.221	16.960	15.396	13.999	13.071	12.748	2.026
1.649	18.068	17.569	16.289	14.718	13.332	12.421	12.106	2.276
1.897	17.616	17.098	15.778	14.175	12.776	11.867	11.555	2.540
2.195	17.254	16.705	15.312	13.650	12.227	11.312	11.002	2.857
2.456	17.279	16.676	15.171	13.399	11.906	10.963	10.644	3.135
2.720	17.423	16.773	15.159	13.284	11.713	10.728	10.398	3.416
2.983	17.732	17.024	15.270	13.247	11.579	10.542	10.198	3.696
3.287	18.226	17.446	15.521	13.325	11.532	10.424	10.055	4.020
3.545	18.732	17.897	15.823	13.458	11.547	10.384	10.000	4.294
3.799	19.264	18.387	16.181	13.651	11.608	10.375	9.973	4.565
4.092	19.859	18.957	16.641	13.927	11.735	10.413	9.982	4.876
4.339	20.327	19.414	17.043	14.198	11.875	10.479	10.025	5.138
4.583	20.764	19.838	17.432	14.486	12.043	10.568	10.090	5.398
4.824	21.188	20.241	17.798	14.783	12.231	10.681	10.175	5.656
5.104	21.675	20.703	18.202	15.126	12.465	10.836	10.304	5.953
5.343	22.075	21.091	18.538	15.411	12.678	10.980	10.427	6.207
5.581	22.443	21.461	18.870	15.687	12.895	11.135	10.558	6.461
5.860	22.818	21.854	19.252	15.999	13.149	11.331	10.729	6.757
6.100	23.084	22.146	19.567	16.263	13.368	11.504	10.885	7.013
6.344	23.297	22.390	19.863	16.526	13.584	11.681	11.044	7.272
6.632	23.483	22.614	20.171	16.832	13.834	11.895	11.239	7.580
6.885	23.591	22.756	20.397	17.090	14.049	12.080	11.413	7.849
7.144	23.657	22.855	20.585	17.339	14.263	12.265	11.588	8.124
7.411	23.686	22.914	20.734	17.573	14.480	12.455	11.765	8.408
7.732	23.683	22.940	20.859	17.818	14.733	12.676	11.980	8.749
8.018	23.659	22.932	20.928	18.000	14.949	12.868	12.162	9.054
8.314	23.624	22.906	20.964	18.152	15.160	13.065	12.348	9.370
8.677	23.575	22.863	20.971	18.290	15.394	13.295	12.572	9.755
9.002	23.528	22.819	20.953	18.375	15.578	13.495	12.764	10.102
9.344	23.478	22.772	20.921	18.429	15.741	13.691	12.961	10.465
9.702	23.427	22.723	20.881	18.456	15.881	13.880	13.154	10.846
10.142	23.371	22.665	20.829	18.458	16.008	14.086	13.374	11.315
10.540	23.331	22.619	20.783	18.439	16.087	14.244	13.550	11.738
10.959	23.301	22.580	20.736	18.407	16.139	14.379	13.711	12.184
11.471	23.278	22.549	20.684	18.363	16.168	14.502	13.870	12.729
11.934	23.267	22.532	20.645	18.323	16.169	14.579	13.979	13.222
12.420	23.263	22.523	20.616	18.282	16.154	14.629	14.059	13.738
12.926	23.265	22.521	20.596	18.243	16.128	14.655	14.114	14.277
13.545	23.271	22.525	20.583	18.200	16.091	14.660	14.146	14.936
14.101	23.280	22.531	20.579	18.171	16.056	14.646	14.151	15.527
14.678	23.290	22.540	20.581	18.149	16.022	14.623	14.139	16.142

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.382	23.302	22.551	20.586	18.132	15.984	14.587	14.112	16.890
16.011	23.313	22.561	20.593	18.124	15.955	14.555	14.082	17.560
16.668	23.324	22.572	20.601	18.121	15.929	14.522	14.049	18.259
17.473	23.335	22.584	20.610	18.122	15.907	14.486	14.012	19.116
18.201	23.344	22.593	20.619	18.125	15.893	14.458	13.981	19.891
18.968	23.350	22.600	20.628	18.130	15.884	14.434	13.953	20.707
19.778	23.354	22.606	20.635	18.136	15.879	14.413	13.929	21.569
20.784	23.358	22.610	20.644	18.144	15.877	14.396	13.905	22.639
21.705	23.361	22.613	20.648	18.150	15.879	14.385	13.891	23.619
22.687	23.364	22.616	20.651	18.157	15.882	14.379	13.880	24.665
23.922	23.368	22.619	20.654	18.163	15.888	14.377	13.874	25.979
25.066	23.372	22.622	20.656	18.167	15.893	14.377	13.871	27.197
26.302	23.375	22.625	20.659	18.171	15.898	14.380	13.871	28.512
27.642	23.378	22.628	20.662	18.173	15.903	14.384	13.872	29.938
29.357	23.381	22.631	20.665	18.176	15.908	14.389	13.876	31.763
30.977	23.384	22.634	20.668	18.179	15.912	14.394	13.880	33.486
32.756	23.387	22.637	20.670	18.182	15.915	14.398	13.883	35.379
35.062	23.390	22.640	20.672	18.185	15.918	14.402	13.887	37.834
37.267	23.392	22.642	20.674	18.187	15.921	14.405	13.889	40.180
39.687	23.395	22.645	20.676	18.188	15.924	14.407	13.890	42.756
42.263	23.399	22.649	20.680	18.190	15.927	14.409	13.890	45.497
45.470	23.403	22.653	20.683	18.194	15.930	14.412	13.891	48.909
48.402	23.405	22.656	20.686	18.195	15.932	14.414	13.891	52.030
51.516	23.407	22.658	20.688	18.197	15.933	14.415	13.891	55.343
55.392	23.409	22.660	20.690	18.198	15.934	14.416	13.891	59.469
58.938	23.411	22.661	20.692	18.199	15.934	14.417	13.892	63.242
62.702	23.412	22.662	20.693	18.200	15.935	14.418	13.893	67.248
67.389	23.412	22.663	20.695	18.202	15.935	14.418	13.893	72.236
71.676	23.413	22.664	20.695	18.203	15.935	14.418	13.894	76.798
76.229	23.413	22.664	20.696	18.204	15.935	14.417	13.894	81.643
81.063	23.414	22.665	20.697	18.205	15.936	14.417	13.893	86.787
87.082	23.414	22.665	20.697	18.205	15.936	14.417	13.892	93.192
92.588	23.414	22.665	20.698	18.206	15.937	14.416	13.892	99.051
98.434	23.414	22.665	20.698	18.207	15.937	14.416	13.891	105.273
105.714	23.414	22.666	20.698	18.207	15.938	14.416	13.890	113.020
112.373	23.415	22.666	20.698	18.207	15.939	14.416	13.890	120.186
119.443	23.415	22.666	20.698	18.208	15.939	14.416	13.889	127.631
126.952	23.415	22.666	20.698	18.208	15.939	14.416	13.889	135.621
136.301	23.415	22.666	20.699	18.208	15.940	14.416	13.888	145.570
144.853	23.415	22.666	20.699	18.208	15.940	14.416	13.888	154.670
153.933	23.415	22.666	20.699	18.208	15.940	14.417	13.888	164.334
165.240	23.415	22.666	20.699	18.208	15.940	14.417	13.888	176.367
175.583	23.415	22.666	20.699	18.209	15.941	14.417	13.887	187.373
186.565	23.415	22.666	20.699	18.209	15.941	14.417	13.887	199.060
200.240	23.415	22.666	20.699	18.209	15.941	14.417	13.887	213.613

MACH NO = 15.00 CONE ANGLE = 20.0° ANGLE OF ATTACK = 3.0°

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	47.869	46.778	43.903	40.222	36.807	34.467	33.644	1.222
.838	46.097	45.008	42.152	38.524	35.190	32.922	32.126	1.414
1.017	44.075	42.993	40.173	36.616	33.380	31.199	30.436	1.604
1.252	41.679	40.608	37.838	34.386	31.282	29.207	28.483	1.853
1.510	39.617	38.536	35.759	32.341	29.312	27.313	26.621	2.129
1.787	38.088	36.972	34.128	30.669	27.647	25.680	25.004	2.423
2.074	37.114	35.940	32.955	29.381	26.310	24.337	23.665	2.729
2.410	36.757	35.435	32.153	28.322	25.115	23.100	22.421	3.086
2.705	37.061	35.613	32.041	27.931	24.523	22.398	21.690	3.409
2.997	37.847	36.238	32.284	27.783	24.126	21.877	21.130	3.711
3.285	38.972	37.190	32.821	27.911	23.968	21.571	20.779	4.018
3.567	40.299	38.372	33.601	28.226	23.961	21.408	20.576	4.318
3.843	41.646	39.632	34.536	28.710	24.097	21.351	20.463	4.611
4.112	42.894	40.837	35.539	29.310	24.347	21.407	20.455	4.897
4.412	44.212	42.100	36.664	30.090	24.738	21.570	20.549	5.217
4.669	45.349	43.161	37.586	30.808	25.152	21.784	20.698	5.491
4.922	46.501	44.231	38.467	31.524	25.609	22.053	20.907	5.759
5.171	47.634	45.310	39.342	32.217	26.101	22.358	21.154	6.024
5.417	48.690	46.358	40.232	32.890	26.608	22.699	21.430	6.286
5.662	49.622	47.325	41.133	33.555	27.120	23.070	21.743	6.546
5.906	50.403	48.174	42.019	34.228	27.632	23.458	22.082	6.807
6.187	51.100	48.974	42.973	35.018	28.214	23.921	22.489	7.105
6.435	51.545	49.518	43.721	35.727	28.729	24.340	22.868	7.369
6.687	51.846	49.922	44.369	36.439	29.254	24.763	23.261	7.637
6.944	52.017	50.193	44.904	37.135	29.797	25.195	23.659	7.911
7.207	52.077	50.342	45.324	37.794	30.363	25.639	24.070	8.191
7.477	52.053	50.388	45.630	38.396	30.946	26.095	24.492	8.479
7.757	51.973	50.354	45.827	38.924	31.541	26.576	24.927	8.776
8.089	51.838	50.251	45.929	39.424	32.218	27.152	25.456	9.129
8.392	51.693	50.126	45.928	39.764	32.791	27.684	25.943	9.452
8.708	51.525	49.977	45.862	40.011	33.324	28.233	26.460	9.788
9.038	51.342	49.807	45.755	40.167	33.802	28.788	26.996	10.140
9.383	51.161	49.625	45.620	40.237	34.210	29.334	27.545	10.507
9.743	51.001	49.446	45.465	40.232	34.538	29.852	28.088	10.890
10.121	50.874	49.290	45.294	40.170	34.785	30.324	28.612	11.292
10.571	50.775	49.156	45.094	40.053	34.965	30.787	29.157	11.771
10.982	50.723	49.078	44.935	39.924	35.040	31.113	29.571	12.208
11.412	50.701	49.034	44.806	39.779	35.048	31.361	29.914	12.666
11.859	50.701	49.017	44.713	39.626	35.003	31.530	30.179	13.142
12.322	50.718	49.024	44.658	39.476	34.920	31.624	30.364	13.634
12.803	50.742	49.042	44.630	39.341	34.813	31.651	30.473	14.146
13.303	50.770	49.069	44.626	39.233	34.691	31.624	30.513	14.679
13.894	50.803	49.101	44.640	39.148	34.543	31.543	30.488	15.307
14.430	50.834	49.130	44.663	39.104	34.415	31.444	30.419	15.878
14.985	50.869	49.160	44.687	39.083	34.298	31.330	30.323	16.468

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.559	50.904	49.191	44.714	39.079	34.200	31.206	30.209	17.179
16.155	50.937	49.226	44.737	39.086	34.125	31.081	30.083	17.714
16.776	50.965	49.256	44.762	39.101	34.073	30.962	29.954	18.374
17.519	50.987	49.286	44.795	39.119	34.038	30.842	29.811	19.165
18.201	51.002	49.306	44.820	39.139	34.024	30.759	29.701	19.890
18.915	51.009	49.315	44.848	39.155	34.022	30.699	29.611	20.650
19.664	51.012	49.322	44.869	39.175	34.027	30.660	29.545	21.448
20.453	51.013	49.325	44.878	39.199	34.037	30.639	29.505	22.287
21.283	51.013	49.322	44.888	39.216	34.049	30.632	29.485	23.171
22.161	51.014	49.321	44.890	39.239	34.063	30.636	29.483	24.104
23.227	51.018	49.323	44.883	39.257	34.080	30.647	29.495	25.240
24.224	51.022	49.325	44.883	39.260	34.096	30.660	29.512	26.300
25.287	51.028	49.330	44.882	39.265	34.114	30.673	29.529	27.432
26.428	51.036	49.337	44.881	39.263	34.130	30.686	29.545	28.646
27.657	51.044	49.344	44.887	39.255	34.140	30.700	29.556	29.954
28.990	51.052	49.352	44.895	39.255	34.146	30.715	29.565	31.372
30.444	51.060	49.360	44.901	39.258	34.144	30.729	29.573	32.919
32.281	51.068	49.368	44.910	39.262	34.138	30.740	29.581	34.874
34.069	51.073	49.375	44.918	39.270	34.133	30.742	29.588	36.777
36.057	51.078	49.380	44.923	39.279	34.131	30.736	29.587	38.892
38.275	51.083	49.384	44.928	39.284	34.132	30.724	29.579	41.253
40.763	51.088	49.389	44.931	39.287	34.137	30.708	29.562	43.901
43.562	51.093	49.394	44.933	39.290	34.140	30.694	29.543	46.880
46.681	51.098	49.400	44.937	39.291	34.140	30.680	29.511	50.198
50.516	51.107	49.409	44.947	39.298	34.145	30.670	29.482	54.280
54.120	51.111	49.415	44.953	39.304	34.153	30.665	29.460	58.115
57.970	51.116	49.419	44.958	39.306	34.157	30.663	29.441	62.212
62.085	51.119	49.423	44.963	39.310	34.156	30.663	29.428	66.591
66.483	51.122	49.426	44.966	39.315	34.157	30.663	29.423	71.271
71.182	51.124	49.428	44.970	39.318	34.160	30.664	29.424	76.272
76.205	51.125	49.429	44.972	39.322	34.163	30.664	29.427	81.617
82.369	51.126	49.430	44.973	39.324	34.165	30.664	29.429	88.177
88.160	51.127	49.431	44.974	39.326	34.167	30.665	29.428	94.339
94.349	51.127	49.431	44.975	39.328	34.168	30.665	29.425	100.926
100.964	51.128	49.432	44.976	39.330	34.171	30.666	29.423	107.965
108.034	51.128	49.432	44.976	39.330	34.173	30.667	29.422	115.489
115.589	51.128	49.433	44.977	39.331	34.175	30.668	29.421	123.529
123.664	51.128	49.433	44.977	39.332	34.176	30.668	29.419	132.122
133.575	51.129	49.433	44.978	39.333	34.177	30.670	29.416	142.669
142.886	51.129	49.433	44.978	39.333	34.178	30.671	29.414	152.578
152.838	51.129	49.433	44.978	39.334	34.179	30.671	29.414	163.168
163.473	51.129	49.433	44.978	39.334	34.179	30.672	29.414	174.486
174.840	51.129	49.433	44.978	39.334	34.180	30.673	29.414	186.582
186.988	51.129	49.433	44.979	39.335	34.180	30.673	29.413	199.513
201.897	51.129	49.433	44.979	39.335	34.181	30.674	29.412	215.376

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.658	84.385	82.452	77.360	70.842	64.798	60.656	59.198	1.222
1.014	77.445	75.535	70.555	64.279	58.571	54.724	53.379	1.601
1.465	69.847	67.948	63.068	57.054	51.716	48.190	46.968	2.081
2.020	65.032	62.967	57.758	51.518	46.147	42.692	41.513	2.672
2.553	64.368	61.933	55.907	48.909	43.089	39.451	38.231	3.238
3.109	66.872	63.870	56.549	48.285	41.632	37.582	36.245	3.830
3.635	71.177	67.675	58.979	49.170	41.449	36.858	35.363	4.390
4.093	75.063	71.382	61.945	50.831	42.016	36.844	35.178	4.877
4.559	78.804	74.903	65.015	53.036	43.136	37.301	35.433	5.373
5.001	82.559	78.389	67.817	55.249	44.557	38.091	36.015	5.843
5.394	85.781	81.555	70.440	57.179	45.973	39.018	36.760	6.262
5.806	88.527	84.472	73.277	59.230	47.492	40.137	37.711	6.700
6.212	90.400	86.634	75.866	61.362	48.990	41.311	38.755	7.132
6.589	91.422	87.954	77.840	63.383	50.408	42.419	39.765	7.533
6.999	91.873	88.712	79.411	65.472	52.019	43.637	40.879	7.969
7.418	91.845	88.909	80.410	67.313	53.722	44.917	42.034	8.416
7.819	91.583	88.760	80.865	68.699	55.335	46.193	43.175	8.842
8.266	91.164	88.414	80.939	69.792	57.010	47.668	44.506	9.318
8.732	90.643	87.950	80.727	70.464	58.508	49.209	45.945	9.813
9.218	90.106	87.410	80.359	70.747	59.734	50.740	47.448	10.331
9.689	89.696	86.933	79.928	70.727	60.584	52.065	48.833	10.832
10.218	89.405	86.545	79.415	70.503	61.175	53.297	50.221	11.396
10.771	89.264	86.317	78.945	70.155	61.451	54.262	51.410	11.983
11.304	89.246	86.233	78.624	69.764	61.471	54.894	52.280	12.551
11.902	89.312	86.250	78.425	69.320	61.311	55.294	52.940	13.187
12.523	89.422	86.339	78.356	68.925	61.031	55.432	53.315	13.849
13.122	89.537	86.450	78.381	68.656	60.707	55.374	53.434	14.486
13.792	89.664	86.574	78.469	68.485	60.329	55.171	53.365	15.198
14.487	89.791	86.698	78.586	68.421	59.970	54.873	53.151	15.938
15.157	89.904	86.812	78.698	68.437	59.700	54.545	52.866	16.651
15.906	90.005	86.926	78.815	68.507	59.500	54.174	52.502	17.448
16.685	90.080	87.018	78.929	68.606	59.392	53.831	52.115	18.277
17.436	90.126	87.079	79.028	68.705	59.361	53.572	51.778	19.077
18.277	90.156	87.120	79.117	68.811	59.387	53.374	51.476	19.972
19.153	90.169	87.142	79.182	68.914	59.451	53.261	51.260	20.904
19.999	90.170	87.149	79.220	69.003	59.530	53.220	51.136	21.804
20.947	90.166	87.147	79.241	69.089	59.623	53.233	51.075	22.813
21.935	90.157	87.140	79.248	69.157	59.717	53.287	51.078	23.864
22.965	90.147	87.130	79.245	69.204	59.809	53.364	51.126	24.960
23.960	90.138	87.120	79.236	69.229	59.890	53.447	51.196	26.019
25.076	90.131	87.110	79.225	69.243	59.968	53.541	51.287	27.207
26.240	90.127	87.103	79.213	69.245	60.031	53.635	51.384	28.446
27.365	90.124	87.099	79.203	69.240	60.075	53.720	51.477	29.643
28.626	90.123	87.097	79.194	69.232	60.107	53.805	51.577	30.985
29.941	90.122	87.097	79.189	69.222	60.125	53.879	51.671	32.384

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
31.213	90.121	87.096	79.186	69.213	60.134	53.934	51.750	33.737
32.638	90.121	87.095	79.185	69.204	60.136	53.979	51.821	35.254
34.125	90.121	87.095	79.184	69.197	60.133	54.010	51.876	36.836
35.562	90.121	87.094	79.184	69.192	60.129	54.029	51.915	38.366
37.173	90.122	87.094	79.183	69.189	60.124	54.041	51.945	40.080
38.853	90.123	87.094	79.182	69.187	60.118	54.047	51.964	41.868
40.478	90.124	87.095	79.181	69.186	60.113	54.049	51.976	43.597
42.299	90.126	87.096	79.180	69.185	60.109	54.048	51.983	45.535
44.199	90.128	87.097	79.180	69.184	60.107	54.047	51.987	47.557
46.179	90.131	87.099	79.180	69.183	60.106	54.045	51.988	49.664
48.094	90.133	87.102	79.180	69.182	60.105	54.043	51.989	51.702
50.241	90.136	87.105	79.181	69.181	60.104	54.042	51.989	53.987
52.480	90.138	87.107	79.183	69.180	60.104	54.042	51.991	56.370
54.645	90.140	87.110	79.185	69.180	60.103	54.043	51.993	58.673
57.072	90.141	87.112	79.188	69.180	60.103	54.044	51.996	61.256
59.603	90.142	87.113	79.191	69.181	60.102	54.046	51.999	63.950
62.051	90.142	87.114	79.193	69.183	60.102	54.047	52.003	66.554
64.795	90.142	87.114	79.195	69.185	60.102	54.048	52.006	69.475
67.657	90.141	87.114	79.196	69.187	60.103	54.049	52.009	72.521
70.424	90.140	87.113	79.197	69.189	60.103	54.049	52.012	75.466
73.528	90.140	87.112	79.197	69.191	60.105	54.050	52.014	78.768
76.764	90.139	87.111	79.197	69.193	60.106	54.051	52.016	82.212
79.893	90.138	87.110	79.197	69.194	60.108	54.051	52.018	85.542
83.402	90.137	87.109	79.196	69.195	60.110	54.052	52.019	89.276
87.061	90.137	87.108	79.195	69.195	60.112	54.053	52.021	93.170
90.600	90.136	87.108	79.193	69.195	60.113	54.054	52.022	96.936
94.567	90.136	87.107	79.192	69.195	60.115	54.056	52.024	101.158
98.705	90.136	87.107	79.191	69.194	60.116	54.057	52.026	105.562
103.021	90.137	87.107	79.190	69.193	60.117	54.058	52.028	110.154
107.193	90.137	87.107	79.190	69.192	60.117	54.060	52.030	114.594
111.872	90.137	87.108	79.189	69.191	60.117	54.061	52.032	119.573
116.751	90.138	87.108	79.189	69.190	60.117	54.062	52.033	124.766
121.469	90.139	87.109	79.189	69.189	60.117	54.062	52.035	129.786
126.760	90.139	87.109	79.190	69.188	60.116	54.063	52.037	135.416
132.277	90.140	87.110	79.190	69.188	60.116	54.063	52.038	141.288
137.612	90.140	87.111	79.190	69.188	60.115	54.063	52.039	146.965
143.594	90.140	87.111	79.191	69.187	60.114	54.062	52.039	153.331
149.833	90.141	87.111	79.192	69.187	60.114	54.062	52.040	159.970
155.865	90.141	87.112	79.192	69.188	60.113	54.061	52.040	166.389
162.629	90.141	87.112	79.193	69.188	60.113	54.061	52.040	173.588
169.684	90.142	87.112	79.193	69.188	60.112	54.060	52.040	181.095
176.505	90.142	87.112	79.193	69.189	60.112	54.059	52.040	188.354
184.154	90.142	87.113	79.194	69.189	60.112	54.059	52.040	196.494
192.131	90.142	87.113	79.194	69.190	60.113	54.058	52.039	204.983
200.450	90.142	87.113	79.194	69.190	60.113	54.057	52.039	213.836

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	131.325	128.309	120.369	110.201	100.776	94.322	92.048	1.222
1.013	120.347	117.371	109.617	99.844	90.958	84.970	82.877	1.599
1.462	108.376	105.423	97.833	88.481	80.185	74.706	72.807	2.078
2.015	100.731	97.523	89.433	79.747	71.414	66.054	64.227	2.665
2.584	99.692	95.850	86.366	75.390	66.296	60.629	58.732	3.272
3.135	103.813	99.066	87.511	74.516	64.102	57.783	55.700	3.858
3.654	110.574	105.070	91.379	75.943	63.840	56.671	54.342	4.410
4.139	116.971	111.183	96.347	78.776	64.823	56.668	54.049	4.926
4.596	122.802	116.617	101.021	82.203	66.597	57.402	54.465	5.412
5.028	128.718	122.115	105.360	85.579	68.798	58.632	55.371	5.872
5.442	134.081	127.434	109.810	88.759	71.131	60.177	56.615	6.313
5.844	138.219	131.883	114.259	91.956	73.440	61.893	58.081	6.740
6.240	140.997	135.135	118.268	95.314	75.730	63.678	59.673	7.162
6.636	142.544	137.201	121.499	98.738	78.103	65.492	61.324	7.584
7.038	143.083	138.214	123.830	101.991	80.640	67.360	63.019	8.011
7.448	142.941	138.400	125.273	104.834	83.332	69.350	64.794	8.447
7.871	142.433	138.068	125.911	107.099	86.073	71.517	66.713	8.898
8.310	141.699	137.458	125.913	108.714	88.695	73.860	68.823	9.365
8.767	140.811	136.652	125.512	109.673	91.021	76.308	71.111	9.851
9.244	139.938	135.745	124.874	110.034	92.911	78.731	73.502	10.359
9.743	139.261	134.928	124.071	109.927	94.290	80.970	75.866	10.890
10.263	138.840	134.348	123.210	109.511	95.143	82.878	78.045	11.443
10.805	138.656	134.024	122.463	108.902	95.507	84.359	79.897	12.020
11.370	138.668	133.923	121.949	108.174	95.475	85.375	81.331	12.621
11.957	138.801	133.992	121.676	107.431	95.163	85.934	82.311	13.246
12.567	138.992	134.158	121.605	106.803	94.667	86.092	82.844	13.895
13.200	139.199	134.359	121.685	106.369	94.057	85.937	82.984	14.568
13.856	139.411	134.565	121.851	106.134	93.411	85.561	82.815	15.267
14.538	139.623	134.773	122.049	106.066	92.824	85.033	82.425	15.993
15.245	139.815	134.977	122.249	106.125	92.372	84.416	81.881	16.745
15.980	139.967	135.155	122.445	106.261	92.079	83.786	81.241	17.527
16.743	140.074	135.291	122.635	106.433	91.932	83.226	80.582	18.339
17.537	140.143	135.382	122.805	106.613	91.908	82.790	79.987	19.184
18.362	140.180	135.438	122.939	106.790	91.974	82.496	79.514	20.062
19.220	140.193	135.464	123.029	106.961	92.095	82.337	79.185	20.975
20.113	140.191	135.469	123.082	107.120	92.244	82.294	78.995	21.926
21.043	140.179	135.461	123.107	107.253	92.401	82.339	78.927	22.915
22.012	140.162	135.445	123.111	107.352	92.560	82.442	78.956	23.946
23.020	140.143	135.426	123.101	107.416	92.715	82.579	79.051	25.019
24.071	140.127	135.405	123.084	107.452	92.858	82.732	79.185	26.137
25.165	140.116	135.389	123.063	107.466	92.980	82.892	79.341	27.302
26.305	140.111	135.379	123.041	107.463	93.075	83.052	79.508	28.515
27.492	140.108	135.375	123.022	107.452	93.142	83.204	79.678	29.778
28.729	140.107	135.374	123.008	107.435	93.185	83.340	79.845	31.094
30.017	140.106	135.374	123.001	107.417	93.208	83.453	79.998	32.465

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
31.359	140.106	135.374	122.998	107.399	93.217	83.541	80.130	33.893
32.756	140.106	135.374	122.998	107.383	93.215	83.604	80.235	35.380
34.212	140.107	135.374	122.999	107.372	93.208	83.647	80.316	36.930
35.729	140.108	135.373	122.999	107.365	93.198	83.674	80.375	38.544
37.309	140.108	135.373	122.999	107.362	93.186	83.687	80.414	40.225
38.955	140.110	135.373	122.998	107.361	93.175	83.692	80.440	41.977
40.670	140.111	135.374	122.996	107.361	93.166	83.691	80.454	43.801
42.456	140.114	135.374	122.995	107.361	93.161	83.686	80.461	45.702
44.316	140.118	135.377	122.994	107.360	93.158	83.680	80.462	47.682
46.255	140.122	135.380	122.994	107.358	93.157	83.675	80.460	49.745
48.274	140.126	135.384	122.994	107.357	93.157	83.672	80.458	51.893
50.377	140.130	135.389	122.995	107.355	93.158	83.671	80.458	54.132
52.568	140.133	135.393	122.998	107.354	93.158	83.672	80.459	56.464
54.851	140.136	135.397	123.002	107.353	93.157	83.674	80.464	58.893
57.229	140.138	135.400	123.006	107.353	93.157	83.677	80.470	61.424
59.707	140.139	135.402	123.010	107.355	93.156	83.680	80.477	64.060
62.288	140.139	135.403	123.014	107.357	93.156	83.683	80.484	66.807
64.977	140.139	135.403	123.017	107.360	93.156	83.686	80.490	69.669
67.778	140.138	135.403	123.020	107.363	93.156	83.687	80.496	72.650
70.697	140.137	135.402	123.021	107.367	93.157	83.689	80.501	75.756
73.738	140.135	135.401	123.021	107.370	93.159	83.690	80.505	78.992
76.906	140.134	135.399	123.021	107.373	93.161	83.691	80.508	82.363
80.206	140.132	135.397	123.020	107.375	93.164	83.692	80.510	85.875
83.644	140.131	135.396	123.018	107.377	93.167	83.693	80.512	89.534
87.227	140.130	135.394	123.016	107.377	93.170	83.694	80.514	93.346
90.959	140.130	135.393	123.014	107.377	93.173	83.696	80.516	97.318
94.847	140.130	135.392	123.012	107.377	93.176	83.698	80.519	101.456
98.898	140.130	135.392	123.011	107.375	93.177	83.700	80.521	105.767
103.119	140.130	135.392	123.009	107.374	93.179	83.702	80.524	110.258
107.516	140.131	135.393	123.008	107.372	93.179	83.704	80.527	114.937
112.097	140.132	135.393	123.007	107.370	93.180	83.706	80.530	119.812
116.869	140.133	135.394	123.007	107.368	93.179	83.707	80.533	124.891
121.841	140.134	135.395	123.008	107.367	93.179	83.709	80.536	130.182
127.021	140.134	135.396	123.008	107.366	93.178	83.709	80.538	135.695
132.418	140.135	135.397	123.009	107.365	93.177	83.709	80.540	141.438
138.041	140.136	135.398	123.010	107.364	93.175	83.709	80.542	147.421
143.898	140.137	135.398	123.011	107.364	93.174	83.709	80.543	153.655
150.001	140.137	135.399	123.012	107.364	93.173	83.708	80.544	160.149
156.359	140.137	135.400	123.012	107.364	93.172	83.707	80.544	166.915
162.983	140.138	135.400	123.013	107.365	93.172	83.706	80.544	173.964
169.884	140.138	135.400	123.014	107.366	93.171	83.705	80.544	181.309
177.074	140.139	135.401	123.014	107.366	93.171	83.704	80.544	188.960
184.565	140.139	135.401	123.015	107.367	93.171	83.703	80.543	196.931
192.369	140.139	135.401	123.015	107.368	93.172	83.702	80.543	205.236
200.499	140.139	135.401	123.015	107.368	93.172	83.701	80.542	213.889

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	188.704	184.364	172.941	158.314	144.757	135.471	132.203	1.222
1.044	171.355	167.091	155.988	142.013	129.320	120.774	117.787	1.632
1.498	154.372	150.118	139.201	125.777	113.895	106.063	103.353	2.116
2.052	143.946	139.292	127.577	113.592	101.597	93.900	91.279	2.705
2.620	142.971	137.372	123.573	107.653	94.506	86.334	83.603	3.309
3.166	149.253	142.330	125.488	106.601	91.516	82.389	79.386	3.891
3.680	159.042	151.074	131.201	108.771	91.226	80.865	77.504	4.438
4.193	168.724	160.329	138.835	113.236	92.835	80.939	77.126	4.984
4.643	177.136	168.109	145.421	118.161	95.456	82.063	77.790	5.462
5.069	185.679	176.078	151.648	122.935	98.630	83.864	79.126	5.915
5.476	193.284	183.689	158.100	127.458	101.947	86.090	80.926	6.349
5.873	199.070	189.965	164.506	132.069	105.218	88.536	83.024	6.771
6.264	202.906	194.504	170.224	136.933	108.482	91.067	85.286	7.187
6.683	205.082	197.491	175.075	142.227	112.146	93.824	87.793	7.634
7.080	205.669	198.744	178.261	146.876	115.834	96.497	90.203	8.056
7.486	205.358	198.872	180.179	150.899	119.744	99.372	92.748	8.488
7.905	204.558	198.316	180.962	154.076	123.709	102.522	95.524	8.934
8.340	203.428	197.372	180.873	156.312	127.482	105.931	98.592	9.396
8.792	202.091	196.141	180.235	157.608	130.810	109.488	101.924	9.878
9.265	200.817	194.788	179.257	158.055	133.500	112.999	105.402	10.381
9.794	199.801	193.534	177.943	157.813	135.561	116.446	109.070	10.945
10.311	199.241	192.741	176.666	157.145	136.698	119.153	112.196	11.494
10.849	199.021	192.319	175.602	156.201	137.142	121.234	114.831	12.066
11.408	199.074	192.216	174.894	155.092	137.033	122.640	116.856	12.662
11.989	199.293	192.347	174.535	153.990	136.532	123.390	118.222	13.280
12.593	199.581	192.605	174.467	153.084	135.765	123.571	118.945	13.922
13.264	199.913	192.928	174.625	152.442	134.763	123.277	119.101	14.637
13.915	200.231	193.237	174.886	152.140	133.794	122.673	118.798	15.329
14.590	200.544	193.549	175.182	152.077	132.940	121.852	118.178	16.047
15.290	200.819	193.848	175.481	152.190	132.299	121.909	117.332	16.793
16.016	201.031	194.103	175.775	152.406	131.893	119.966	116.352	17.566
16.771	201.178	194.291	176.057	152.666	131.701	119.143	115.362	18.369
17.612	201.275	194.422	176.320	152.955	131.689	118.476	114.428	19.264
18.429	201.320	194.492	176.503	153.221	131.808	118.073	113.756	20.133
19.279	201.334	194.522	176.622	153.476	131.999	117.867	113.298	21.037
20.162	201.326	194.525	176.690	153.709	132.225	117.826	113.044	21.978
21.082	201.306	194.510	176.719	153.898	132.463	117.910	112.966	22.957
22.039	201.277	194.484	176.720	154.034	132.703	118.074	113.025	23.975
23.036	201.247	194.452	176.703	154.120	132.934	118.283	113.176	25.036
24.149	201.222	194.419	176.673	154.167	133.160	118.532	113.398	26.220
25.232	201.208	194.396	176.639	154.181	133.333	118.774	113.636	27.372
26.359	201.201	194.383	176.605	154.173	133.464	119.014	113.889	28.572
27.533	201.199	194.379	176.577	154.153	133.555	119.240	114.146	29.821
28.755	201.198	194.379	176.557	154.127	133.612	119.438	114.395	31.122
30.027	201.198	194.380	176.548	154.098	133.641	119.599	114.619	32.475

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 3.0

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
31.448	201.199	194.381	176.546	154.068	133.650	119.728	114.819	33.988
32.831	201.200	194.381	176.548	154.045	133.644	119.814	114.966	35.459
34.271	201.201	194.381	176.550	154.029	133.631	119.870	115.077	36.992
35.770	201.202	194.381	176.551	154.021	133.613	119.903	115.155	38.587
37.330	201.203	194.381	176.551	154.018	133.594	119.919	115.208	40.248
38.955	201.204	194.381	176.550	154.018	133.576	119.922	115.240	41.977
40.770	201.207	194.381	176.548	154.019	133.563	119.917	115.259	43.909
42.537	201.210	194.382	176.546	154.019	133.556	119.907	115.264	45.788
44.376	201.215	194.385	176.544	154.019	133.553	119.896	115.262	47.746
46.291	201.221	194.389	176.543	154.017	133.553	119.888	115.257	49.784
48.285	201.227	194.395	176.543	154.015	133.554	119.883	115.252	51.906
50.361	201.233	194.402	176.545	154.012	133.556	119.882	115.250	54.115
52.523	201.238	194.408	176.548	154.010	133.556	119.884	115.253	56.415
54.938	201.242	194.414	176.554	154.009	133.556	119.889	115.260	58.985
57.288	201.245	194.419	176.561	154.009	133.556	119.895	115.270	61.486
59.735	201.246	194.422	176.567	154.010	133.555	119.900	115.281	64.090
62.283	201.247	194.423	176.573	154.013	133.555	119.905	115.292	66.802
64.936	201.246	194.424	176.577	154.017	133.554	119.909	115.302	69.625
67.698	201.245	194.423	176.581	154.022	133.555	119.912	115.311	72.565
70.785	201.243	194.422	176.583	154.028	133.556	119.914	115.319	75.849
73.789	201.241	194.420	176.583	154.033	133.558	119.916	115.325	79.046
76.917	201.239	194.417	176.583	154.037	133.561	119.917	115.330	82.375
80.174	201.237	194.415	176.581	154.040	133.565	119.918	115.334	85.841
83.565	201.235	194.412	176.579	154.042	133.570	119.919	115.337	89.450
87.097	201.234	194.410	176.576	154.043	133.574	119.921	115.339	93.208
91.042	201.233	194.408	176.573	154.043	133.579	119.923	115.341	97.407
94.883	201.233	194.407	176.570	154.042	133.582	119.926	115.344	101.494
98.881	201.233	194.407	176.567	154.041	133.585	119.929	115.348	105.749
103.045	201.234	194.407	176.565	154.038	133.587	119.932	115.351	110.180
107.381	201.235	194.407	176.564	154.036	133.588	119.935	115.356	114.794
111.895	201.236	194.408	176.563	154.033	133.588	119.938	115.360	119.598
116.596	201.237	194.410	176.562	154.030	133.588	119.940	115.364	124.600
121.848	201.238	194.411	176.563	154.028	133.587	119.942	115.368	130.189
126.960	201.240	194.413	176.564	154.026	133.585	119.943	115.372	135.629
132.282	201.241	194.414	176.565	154.025	133.584	119.943	115.375	141.293
137.824	201.242	194.415	176.566	154.024	133.582	119.943	115.378	147.191
143.595	201.243	194.416	176.567	154.024	133.580	119.943	115.379	153.333
149.605	201.243	194.417	176.569	154.024	133.579	119.942	115.381	159.727
156.319	201.244	194.418	176.570	154.024	133.577	119.941	115.382	166.872
162.853	201.245	194.418	176.571	154.025	133.577	119.939	115.382	173.826
169.657	201.245	194.419	176.572	154.026	133.576	119.937	115.382	181.067
176.742	201.245	194.419	176.573	154.027	133.576	119.936	115.381	188.606
184.120	201.246	194.420	176.573	154.028	133.576	119.934	115.380	196.457
191.802	201.246	194.420	176.574	154.029	133.576	119.932	115.380	204.633
200.385	201.246	194.420	176.574	154.030	133.577	119.931	115.379	213.766

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.841	2.183	2.104	1.900	1.648	1.423	1.275	1.224	1.411
.931	1.821	1.753	1.578	1.362	1.172	1.047	1.005	1.502
.980	1.801	1.734	1.561	1.349	1.163	1.042	1.000	1.551
1.088	1.768	1.701	1.530	1.321	1.139	1.021	.981	1.659
1.209	1.752	1.685	1.513	1.304	1.124	1.007	.968	1.781
1.346	1.742	1.675	1.504	1.297	1.118	1.003	.964	1.918
1.498	1.730	1.664	1.495	1.291	1.115	1.003	.965	2.071
1.759	1.702	1.637	1.472	1.276	1.109	1.005	.969	2.333
1.957	1.678	1.613	1.451	1.261	1.102	1.003	.970	2.531
2.174	1.648	1.586	1.427	1.242	1.091	1.000	.970	2.750
2.412	1.617	1.556	1.400	1.221	1.078	.995	.968	2.989
2.673	1.588	1.527	1.373	1.201	1.067	.989	.965	3.250
2.955	1.560	1.499	1.348	1.182	1.056	.985	.963	3.534
3.423	1.524	1.463	1.312	1.152	1.038	.979	.962	4.003
3.764	1.503	1.443	1.292	1.134	1.024	.974	.962	4.346
4.130	1.486	1.425	1.274	1.117	1.011	.968	.960	4.713
4.522	1.471	1.410	1.258	1.103	.999	.961	.958	5.106
4.939	1.460	1.398	1.244	1.091	.990	.956	.955	5.525
5.383	1.451	1.388	1.233	1.080	.984	.953	.954	5.971
5.853	1.445	1.381	1.223	1.071	.979	.952	.954	6.443
6.610	1.440	1.374	1.213	1.061	.973	.953	.957	7.202
7.149	1.439	1.372	1.208	1.055	.970	.955	.960	7.744
7.717	1.439	1.371	1.204	1.052	.969	.957	.964	8.314
8.314	1.441	1.372	1.202	1.049	.968	.960	.968	8.913
8.940	1.444	1.373	1.200	1.047	.968	.962	.972	9.542
9.597	1.447	1.376	1.200	1.046	.969	.966	.976	10.201
10.640	1.453	1.380	1.200	1.045	.971	.971	.981	11.248
11.375	1.458	1.383	1.201	1.045	.973	.975	.985	11.986
12.142	1.463	1.387	1.202	1.046	.975	.979	.989	12.756
12.943	1.468	1.391	1.203	1.047	.978	.983	.994	13.559
13.777	1.472	1.395	1.205	1.048	.980	.987	.998	14.397
14.645	1.477	1.399	1.207	1.049	.982	.991	1.002	15.268
16.014	1.484	1.405	1.210	1.051	.986	.996	1.007	16.642
16.972	1.489	1.409	1.212	1.052	.988	1.000	1.010	17.604
17.967	1.493	1.412	1.214	1.054	.990	1.003	1.013	18.603
19.000	1.497	1.416	1.216	1.055	.992	1.005	1.016	19.640
20.072	1.501	1.419	1.218	1.057	.994	1.008	1.018	20.716
21.184	1.504	1.422	1.220	1.058	.996	1.010	1.020	21.833
22.337	1.508	1.425	1.222	1.059	.998	1.012	1.022	22.990
24.145	1.512	1.429	1.224	1.062	1.000	1.014	1.024	24.804
25.404	1.515	1.431	1.226	1.063	1.001	1.016	1.025	26.068
26.708	1.517	1.433	1.228	1.064	1.002	1.017	1.026	27.377
28.056	1.520	1.435	1.229	1.065	1.003	1.018	1.027	28.731
29.452	1.522	1.437	1.231	1.067	1.004	1.019	1.028	30.132
30.895	1.524	1.439	1.232	1.068	1.005	1.019	1.028	31.581

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = -5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.153	1.526	1.442	1.234	1.069	1.006	1.020	1.029	33.846
34.721	1.528	1.443	1.235	1.071	1.007	1.020	1.029	35.420
36.341	1.530	1.444	1.237	1.072	1.008	1.021	1.029	37.047
38.015	1.531	1.446	1.238	1.072	1.008	1.021	1.029	38.727
39.744	1.532	1.447	1.239	1.073	1.009	1.021	1.030	40.463
41.529	1.534	1.448	1.240	1.074	1.009	1.021	1.030	42.255
44.316	1.535	1.450	1.241	1.075	1.010	1.021	1.030	45.052
46.249	1.536	1.451	1.242	1.076	1.010	1.021	1.030	46.993
48.244	1.537	1.452	1.243	1.077	1.011	1.022	1.030	48.995
50.302	1.538	1.452	1.243	1.077	1.011	1.022	1.029	51.061
52.426	1.539	1.453	1.244	1.078	1.011	1.022	1.029	53.193
54.616	1.540	1.454	1.245	1.079	1.012	1.022	1.029	55.392
56.876	1.541	1.455	1.245	1.079	1.012	1.022	1.029	57.660
60.399	1.542	1.456	1.246	1.080	1.012	1.022	1.029	61.197
62.839	1.542	1.456	1.247	1.080	1.012	1.021	1.029	63.646
65.356	1.543	1.457	1.247	1.081	1.013	1.021	1.029	66.173
67.950	1.543	1.457	1.248	1.081	1.013	1.021	1.029	68.777
70.626	1.544	1.458	1.248	1.081	1.013	1.021	1.029	71.463
73.384	1.544	1.458	1.249	1.082	1.013	1.021	1.029	74.231
77.681	1.545	1.459	1.250	1.082	1.014	1.021	1.028	78.545
80.657	1.545	1.459	1.250	1.083	1.014	1.021	1.028	81.533
83.725	1.546	1.460	1.250	1.083	1.014	1.021	1.028	84.612
86.888	1.546	1.460	1.251	1.083	1.014	1.021	1.028	87.787
90.148	1.546	1.461	1.251	1.083	1.014	1.021	1.028	91.060
93.510	1.546	1.461	1.251	1.084	1.014	1.021	1.028	94.434
98.748	1.547	1.461	1.252	1.084	1.015	1.022	1.028	99.692
102.375	1.547	1.462	1.252	1.084	1.015	1.022	1.028	103.334
106.116	1.547	1.462	1.252	1.084	1.015	1.022	1.028	107.088
109.972	1.547	1.462	1.253	1.084	1.015	1.022	1.028	110.960
113.949	1.547	1.462	1.253	1.085	1.015	1.022	1.027	114.952
118.050	1.547	1.462	1.253	1.085	1.015	1.022	1.027	119.068
122.280	1.548	1.463	1.254	1.085	1.015	1.022	1.027	123.314
128.874	1.548	1.463	1.254	1.085	1.016	1.022	1.027	129.933
133.443	1.548	1.463	1.254	1.085	1.016	1.022	1.027	134.520
138.156	1.548	1.463	1.255	1.085	1.016	1.022	1.027	139.251
143.018	1.548	1.463	1.255	1.085	1.016	1.022	1.027	144.132
148.034	1.548	1.463	1.255	1.085	1.016	1.022	1.027	149.167
153.209	1.548	1.464	1.255	1.086	1.016	1.022	1.027	154.361
161.281	1.548	1.464	1.256	1.086	1.016	1.022	1.027	162.464
166.877	1.548	1.464	1.256	1.086	1.017	1.022	1.027	168.082
172.651	1.548	1.464	1.256	1.086	1.017	1.022	1.027	173.878
178.610	1.548	1.464	1.256	1.086	1.017	1.022	1.027	179.859
184.759	1.548	1.464	1.257	1.086	1.017	1.022	1.027	186.032
191.104	1.548	1.464	1.257	1.086	1.017	1.022	1.027	192.401
201.005	1.548	1.464	1.257	1.086	1.017	1.022	1.027	202.340

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.853	3.603	3.460	3.094	2.646	2.253	1.997	1.910	1.424
.946	2.969	2.847	2.532	2.152	1.822	1.609	1.536	1.517
1.000	2.954	2.833	2.521	2.144	1.818	1.608	1.536	1.571
1.120	2.885	2.767	2.464	2.098	1.782	1.579	1.510	1.692
1.336	2.786	2.671	2.377	2.025	1.725	1.534	1.470	1.908
1.507	2.713	2.600	2.315	1.976	1.689	1.507	1.446	2.080
1.702	2.629	2.520	2.245	1.920	1.648	1.478	1.421	2.276
2.038	2.493	2.388	2.127	1.825	1.578	1.428	1.379	2.613
2.294	2.393	2.293	2.042	1.757	1.528	1.392	1.349	2.870
2.578	2.299	2.201	1.956	1.687	1.477	1.356	1.318	3.155
3.063	2.169	2.073	1.836	1.583	1.398	1.300	1.272	3.641
3.427	2.090	1.996	1.763	1.519	1.344	1.260	1.239	4.007
3.825	2.022	1.927	1.697	1.459	1.293	1.220	1.205	4.406
4.253	1.964	1.869	1.638	1.405	1.248	1.182	1.171	4.837
4.955	1.896	1.799	1.565	1.335	1.188	1.133	1.126	5.541
5.461	1.862	1.763	1.525	1.296	1.154	1.105	1.101	6.049
6.000	1.837	1.735	1.492	1.263	1.124	1.081	1.080	6.590
6.870	1.811	1.706	1.454	1.223	1.086	1.050	1.052	7.463
7.491	1.802	1.693	1.435	1.201	1.066	1.033	1.037	8.097
8.147	1.798	1.686	1.421	1.183	1.050	1.019	1.024	8.745
9.190	1.801	1.683	1.406	1.163	1.030	1.003	1.009	9.793
9.924	1.807	1.685	1.400	1.152	1.020	.996	1.002	10.529
10.689	1.817	1.691	1.397	1.144	1.012	.990	.997	11.297
11.483	1.828	1.699	1.396	1.138	1.005	.986	.994	12.094
12.731	1.849	1.714	1.398	1.131	.998	.983	.992	13.347
13.600	1.865	1.725	1.401	1.129	.994	.983	.993	14.220
14.499	1.881	1.738	1.406	1.127	.992	.983	.994	15.122
15.902	1.906	1.758	1.414	1.126	.989	.984	.997	16.530
16.875	1.922	1.771	1.420	1.126	.988	.986	1.000	17.506
17.876	1.937	1.784	1.427	1.127	.987	.987	1.003	18.512
19.433	1.960	1.803	1.437	1.129	.987	.991	1.008	20.075
20.508	1.973	1.815	1.444	1.130	.986	.993	1.012	21.154
21.613	1.986	1.826	1.451	1.132	.986	.995	1.015	22.263
23.325	2.004	1.842	1.461	1.135	.987	.999	1.020	23.982
24.504	2.015	1.851	1.468	1.138	.987	1.001	1.024	25.165
25.713	2.024	1.860	1.474	1.140	.988	1.003	1.027	26.378
26.952	2.033	1.868	1.480	1.142	.988	1.005	1.030	27.622
28.867	2.045	1.879	1.488	1.146	.989	1.007	1.034	29.545
30.182	2.052	1.886	1.493	1.149	.990	1.009	1.037	30.865
31.528	2.059	1.892	1.497	1.151	.991	1.010	1.039	32.216
33.606	2.067	1.900	1.504	1.155	.992	1.012	1.042	34.301
35.030	2.072	1.905	1.508	1.157	.993	1.014	1.044	35.731
36.486	2.077	1.909	1.512	1.159	.994	1.015	1.046	37.193
38.731	2.083	1.915	1.517	1.162	.996	1.016	1.048	39.446
40.268	2.087	1.919	1.520	1.164	.997	1.017	1.049	40.989

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
41.838	2.090	1.922	1.523	1.166	.998	1.017	1.050	42.565
43.442	2.093	1.925	1.526	1.168	.999	1.018	1.051	44.175
45.912	2.097	1.929	1.529	1.171	1.000	1.019	1.052	46.655
47.602	2.100	1.932	1.532	1.172	1.001	1.020	1.053	48.351
49.328	2.102	1.934	1.534	1.174	1.002	1.020	1.053	50.084
51.985	2.105	1.937	1.537	1.176	1.004	1.021	1.054	52.751
53.804	2.107	1.939	1.539	1.177	1.005	1.021	1.054	54.576
55.661	2.108	1.941	1.540	1.179	1.006	1.022	1.054	56.441
58.524	2.110	1.944	1.543	1.180	1.007	1.022	1.055	59.315
60.485	2.111	1.945	1.544	1.181	1.008	1.023	1.055	61.283
62.490	2.112	1.947	1.546	1.182	1.009	1.023	1.055	63.296
64.541	2.113	1.948	1.547	1.183	1.010	1.023	1.055	65.355
67.708	2.114	1.950	1.549	1.185	1.011	1.024	1.055	68.534
69.883	2.114	1.951	1.550	1.185	1.012	1.024	1.055	70.717
72.110	2.115	1.952	1.552	1.186	1.013	1.025	1.055	72.953
75.554	2.115	1.953	1.553	1.187	1.014	1.025	1.055	76.410
77.922	2.115	1.954	1.554	1.188	1.014	1.025	1.055	78.787
80.351	2.115	1.955	1.555	1.189	1.015	1.026	1.055	81.225
84.111	2.115	1.956	1.557	1.190	1.016	1.026	1.055	84.999
86.698	2.115	1.956	1.558	1.190	1.017	1.026	1.055	87.597
89.353	2.115	1.957	1.559	1.191	1.017	1.027	1.055	90.262
93.466	2.115	1.957	1.560	1.191	1.018	1.027	1.055	94.391
96.298	2.115	1.958	1.561	1.192	1.018	1.027	1.055	97.233
99.205	2.115	1.958	1.562	1.192	1.019	1.028	1.055	100.151
102.187	2.115	1.958	1.564	1.193	1.019	1.028	1.055	103.145
106.809	2.115	1.958	1.565	1.193	1.020	1.028	1.055	107.784
109.992	2.115	1.959	1.566	1.193	1.020	1.028	1.055	110.979
113.259	2.115	1.959	1.568	1.194	1.021	1.029	1.055	114.259
118.321	2.115	1.959	1.569	1.194	1.021	1.029	1.055	119.340
121.807	2.115	1.959	1.571	1.194	1.022	1.029	1.055	122.839
125.385	2.114	1.959	1.572	1.194	1.022	1.030	1.055	126.431
130.930	2.114	1.959	1.574	1.194	1.023	1.030	1.055	131.997
134.748	2.114	1.959	1.575	1.194	1.023	1.030	1.055	135.830
138.668	2.114	1.959	1.576	1.194	1.023	1.030	1.055	139.765
142.690	2.113	1.959	1.578	1.194	1.023	1.031	1.055	143.803
148.924	2.113	1.959	1.579	1.194	1.024	1.031	1.055	150.061
153.218	2.113	1.959	1.581	1.194	1.024	1.031	1.055	154.370
157.625	2.113	1.959	1.582	1.194	1.024	1.031	1.055	158.794
164.454	2.113	1.959	1.583	1.194	1.025	1.032	1.055	165.649
169.157	2.113	1.959	1.584	1.194	1.025	1.032	1.055	170.370
173.984	2.113	1.958	1.585	1.194	1.025	1.032	1.055	175.216
181.464	2.113	1.958	1.585	1.194	1.026	1.032	1.055	182.725
186.616	2.113	1.958	1.586	1.194	1.026	1.032	1.055	187.896
191.903	2.113	1.958	1.586	1.194	1.026	1.032	1.055	193.203
200.096	2.113	1.958	1.587	1.194	1.026	1.033	1.055	201.428

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.862	11.946	11.435	10.132	8.556	7.191	6.312	6.013	1.432
.999	9.786	9.353	8.248	6.923	5.790	5.069	4.825	1.570
1.128	9.425	9.011	7.957	6.696	5.619	4.933	4.703	1.699
1.356	8.866	8.474	7.481	6.305	5.314	4.689	4.480	1.928
1.623	8.261	7.895	6.974	5.897	5.001	4.443	4.257	2.196
1.941	7.611	7.271	6.423	5.448	4.656	4.175	4.017	2.516
2.317	6.942	6.630	5.851	4.981	4.298	3.897	3.770	2.893
2.745	6.323	6.025	5.300	4.522	3.942	3.623	3.526	3.323
3.228	5.763	5.483	4.806	4.096	3.590	3.340	3.274	3.807
3.765	5.282	5.011	4.365	3.713	3.265	3.066	3.022	4.346
4.356	4.881	4.615	3.986	3.373	2.976	2.817	2.791	4.940
4.999	4.555	4.289	3.669	3.081	2.719	2.595	2.584	5.585
5.693	4.295	4.026	3.406	2.835	2.496	2.397	2.397	6.282
6.433	4.091	3.816	3.191	2.629	2.306	2.221	2.227	7.025
7.218	3.934	3.651	3.026	2.458	2.146	2.069	2.077	7.813
8.044	3.818	3.524	2.874	2.315	2.011	1.940	1.947	8.642
8.907	3.735	3.428	2.759	2.196	1.896	1.830	1.837	9.508
9.806	3.682	3.360	2.666	2.096	1.799	1.736	1.743	10.410
10.736	3.653	3.314	2.593	2.013	1.716	1.655	1.662	11.345
11.698	3.647	3.288	2.536	1.942	1.645	1.586	1.592	12.310
12.689	3.661	3.280	2.492	1.882	1.583	1.526	1.533	13.304
13.707	3.692	3.288	2.461	1.831	1.529	1.475	1.481	14.327
14.754	3.739	3.309	2.441	1.788	1.481	1.430	1.437	15.378
15.829	3.799	3.344	2.429	1.752	1.439	1.391	1.400	16.456
16.931	3.872	3.389	2.427	1.722	1.402	1.357	1.367	17.563
18.063	3.956	3.445	2.431	1.696	1.368	1.327	1.340	18.699
19.224	4.049	3.509	2.443	1.675	1.338	1.301	1.315	19.865
20.416	4.149	3.581	2.462	1.658	1.311	1.277	1.295	21.061
21.639	4.254	3.660	2.486	1.644	1.286	1.256	1.277	22.289
22.894	4.363	3.743	2.516	1.634	1.263	1.237	1.262	23.548
24.181	4.474	3.830	2.550	1.627	1.242	1.220	1.248	24.840
25.499	4.583	3.919	2.589	1.623	1.222	1.205	1.237	26.164
26.849	4.689	4.008	2.631	1.621	1.204	1.191	1.228	27.519
28.229	4.790	4.096	2.675	1.622	1.187	1.178	1.220	28.904
29.639	4.884	4.180	2.722	1.626	1.171	1.166	1.213	30.319
31.075	4.972	4.260	2.770	1.631	1.157	1.154	1.208	31.761
32.539	5.053	4.336	2.819	1.639	1.143	1.144	1.203	33.230
34.028	5.127	4.406	2.867	1.649	1.131	1.134	1.199	34.725
35.543	5.194	4.471	2.914	1.660	1.121	1.124	1.196	36.246
37.085	5.254	4.532	2.959	1.673	1.111	1.114	1.193	37.794
38.659	5.307	4.588	3.003	1.687	1.103	1.105	1.191	39.374
40.270	5.353	4.639	3.044	1.703	1.096	1.097	1.189	40.991
41.927	5.392	4.687	3.083	1.719	1.091	1.089	1.187	42.654
43.639	5.423	4.732	3.120	1.736	1.086	1.081	1.185	44.373
45.398	5.444	4.772	3.155	1.754	1.083	1.073	1.183	46.138

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
47.182	5.455	4.807	3.187	1.771	1.080	1.066	1.181	47.929
48.998	5.455	4.838	3.217	1.789	1.079	1.060	1.179	49.753
50.853	5.445	4.861	3.245	1.806	1.079	1.054	1.177	51.614
52.748	5.429	4.878	3.270	1.823	1.079	1.048	1.175	53.517
54.690	5.412	4.886	3.293	1.839	1.081	1.043	1.173	55.466
56.679	5.399	4.885	3.315	1.854	1.083	1.038	1.171	57.463
58.721	5.391	4.876	3.335	1.868	1.085	1.034	1.168	59.513
60.818	5.386	4.864	3.355	1.881	1.089	1.030	1.166	61.617
62.972	5.382	4.849	3.374	1.894	1.092	1.027	1.164	63.780
65.188	5.378	4.836	3.394	1.905	1.096	1.024	1.162	66.004
67.467	5.374	4.824	3.415	1.915	1.101	1.022	1.160	68.292
69.812	5.368	4.813	3.436	1.925	1.105	1.019	1.157	70.646
72.227	5.362	4.804	3.457	1.933	1.110	1.018	1.155	73.070
74.712	5.356	4.796	3.476	1.941	1.115	1.016	1.153	75.565
77.272	5.349	4.789	3.494	1.947	1.121	1.015	1.151	78.134
79.907	5.343	4.782	3.509	1.953	1.126	1.014	1.149	80.779
82.619	5.337	4.777	3.520	1.958	1.131	1.013	1.146	83.502
85.411	5.332	4.772	3.529	1.961	1.136	1.012	1.144	86.304
88.283	5.327	4.767	3.535	1.964	1.141	1.012	1.143	89.187
91.237	5.324	4.762	3.539	1.967	1.145	1.011	1.141	92.153
94.276	5.321	4.757	3.541	1.969	1.149	1.011	1.139	95.203
97.401	5.320	4.752	3.542	1.972	1.153	1.011	1.137	98.341
100.616	5.319	4.748	3.542	1.976	1.157	1.012	1.136	101.567
103.922	5.318	4.744	3.541	1.980	1.160	1.012	1.134	104.886
107.322	5.318	4.740	3.538	1.986	1.164	1.012	1.133	108.300
110.820	5.317	4.737	3.534	1.994	1.167	1.013	1.131	111.811
114.418	5.317	4.735	3.528	2.002	1.171	1.014	1.130	115.423
118.119	5.317	4.733	3.522	2.011	1.174	1.014	1.129	119.138
121.926	5.317	4.732	3.516	2.021	1.178	1.015	1.127	122.959
125.841	5.317	4.731	3.509	2.031	1.181	1.017	1.126	126.889
129.868	5.318	4.730	3.501	2.042	1.184	1.018	1.125	130.931
134.009	5.320	4.729	3.494	2.052	1.187	1.019	1.125	135.088
138.268	5.322	4.729	3.486	2.062	1.190	1.020	1.124	139.363
142.648	5.324	4.729	3.478	2.072	1.192	1.021	1.123	143.760
147.153	5.326	4.729	3.470	2.081	1.194	1.023	1.123	148.282
151.786	5.329	4.729	3.462	2.090	1.196	1.024	1.122	152.933
156.552	5.332	4.729	3.453	2.098	1.197	1.025	1.122	157.717
161.453	5.334	4.730	3.445	2.106	1.197	1.026	1.121	162.637
166.494	5.337	4.731	3.437	2.113	1.198	1.027	1.121	167.698
171.680	5.340	4.732	3.430	2.119	1.198	1.028	1.120	172.903
177.015	5.343	4.733	3.422	2.125	1.198	1.029	1.120	178.258
182.502	5.345	4.734	3.414	2.130	1.198	1.029	1.119	183.767
188.147	5.348	4.736	3.407	2.134	1.197	1.030	1.119	189.433
193.955	5.351	4.738	3.400	2.138	1.197	1.031	1.119	195.263
201.960	5.354	4.740	3.391	2.141	1.197	1.032	1.118	203.298

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.864	25.854	24.731	21.870	18.418	15.437	13.519	12.870	1.434
.998	21.178	20.226	17.802	14.901	12.428	10.855	10.327	1.570
1.195	19.927	19.036	16.775	14.089	11.811	10.366	9.882	1.767
1.431	18.609	17.775	15.669	13.187	11.106	9.803	9.367	2.004
1.815	16.676	15.924	14.046	11.877	10.100	9.011	8.652	2.389
2.293	14.661	13.994	12.330	10.477	9.020	8.166	7.895	2.869
2.711	13.261	12.630	11.096	9.450	8.221	7.546	7.340	3.288
3.347	11.598	11.022	9.636	8.202	7.186	6.699	6.576	3.927
3.884	10.551	9.996	8.681	7.372	6.488	6.103	6.024	4.466
4.678	9.416	8.876	7.619	6.418	5.671	5.401	5.368	5.263
5.554	8.546	8.008	6.777	5.645	4.980	4.792	4.794	6.143
6.261	8.039	7.495	6.269	5.171	4.548	4.392	4.408	6.852
7.261	7.519	6.961	5.726	4.655	4.070	3.939	3.959	7.850
8.320	7.143	6.562	5.303	4.245	3.685	3.569	3.589	8.919
9.146	6.937	6.335	5.049	3.993	3.445	3.336	3.355	9.748
10.284	6.746	6.109	4.776	3.715	3.178	3.074	3.090	10.891
11.161	6.655	5.987	4.612	3.540	3.009	2.907	2.921	11.771
12.357	6.595	5.879	4.437	3.345	2.817	2.719	2.730	12.972
13.578	6.593	5.824	4.304	3.183	2.655	2.562	2.571	14.197
14.508	6.625	5.811	4.227	3.080	2.550	2.460	2.469	15.130
15.762	6.707	5.829	4.149	2.962	2.427	2.343	2.353	16.389
16.712	6.795	5.865	4.108	2.886	2.346	2.266	2.278	17.343
17.989	6.946	5.940	4.072	2.798	2.250	2.176	2.191	18.625
19.275	7.132	6.044	4.056	2.725	2.165	2.097	2.116	19.916
20.244	7.294	6.140	4.055	2.677	2.107	2.045	2.066	20.889
21.540	7.536	6.289	4.068	2.623	2.038	1.982	2.008	22.190
22.839	7.805	6.462	4.095	2.577	1.975	1.927	1.957	23.494
23.814	8.021	6.605	4.124	2.548	1.932	1.889	1.923	24.473
25.114	8.324	6.812	4.174	2.516	1.880	1.843	1.883	25.777
26.088	8.558	6.978	4.219	2.496	1.843	1.812	1.856	26.755
27.384	8.874	7.209	4.287	2.475	1.798	1.774	1.824	28.055
28.675	9.188	7.448	4.365	2.459	1.756	1.739	1.795	29.352
29.641	9.419	7.630	4.429	2.450	1.727	1.714	1.776	30.322
30.925	9.716	7.873	4.520	2.443	1.691	1.684	1.754	31.610
32.204	9.997	8.113	4.618	2.440	1.657	1.657	1.734	32.894
33.162	10.196	8.289	4.695	2.440	1.634	1.637	1.721	33.855
34.437	10.442	8.517	4.801	2.444	1.604	1.612	1.704	35.136
35.396	10.612	8.682	4.883	2.448	1.583	1.594	1.693	36.099
36.681	10.817	8.893	4.995	2.458	1.557	1.571	1.680	37.388
37.981	10.994	9.093	5.109	2.470	1.532	1.549	1.668	38.693
38.969	11.106	9.237	5.196	2.481	1.515	1.533	1.659	39.686
40.315	11.223	9.417	5.313	2.499	1.493	1.512	1.648	41.036
41.349	11.284	9.544	5.401	2.514	1.477	1.496	1.641	42.074
42.770	11.323	9.699	5.519	2.538	1.458	1.476	1.631	43.500
44.247	11.311	9.833	5.636	2.564	1.440	1.455	1.622	44.983

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
45.399	11.271	9.917	5.723	2.586	1.427	1.439	1.615	46.140
47.002	11.187	9.999	5.837	2.617	1.412	1.419	1.606	47.748
48.688	11.086	10.039	5.949	2.652	1.398	1.398	1.597	49.441
50.003	11.013	10.039	6.030	2.680	1.389	1.382	1.590	50.761
51.830	10.927	9.997	6.136	2.720	1.378	1.362	1.580	52.596
53.264	10.874	9.941	6.214	2.750	1.371	1.346	1.573	54.035
55.273	10.818	9.846	6.316	2.793	1.364	1.326	1.562	56.051
57.406	10.774	9.743	6.418	2.838	1.358	1.306	1.551	58.192
59.099	10.748	9.666	6.495	2.872	1.355	1.291	1.542	59.892
61.494	10.721	9.570	6.595	2.918	1.353	1.271	1.529	62.296
63.375	10.704	9.506	6.663	2.953	1.353	1.257	1.520	64.184
65.965	10.687	9.435	6.741	2.997	1.354	1.240	1.506	66.784
68.650	10.670	9.381	6.794	3.038	1.357	1.223	1.492	69.480
70.727	10.661	9.349	6.816	3.066	1.360	1.212	1.481	71.564
73.579	10.653	9.318	6.824	3.101	1.365	1.197	1.467	74.427
76.526	10.650	9.295	6.814	3.133	1.372	1.184	1.452	77.386
78.799	10.651	9.282	6.799	3.155	1.377	1.174	1.442	79.668
81.917	10.653	9.269	6.775	3.183	1.385	1.163	1.428	82.797
84.321	10.655	9.262	6.755	3.204	1.392	1.155	1.417	85.210
87.617	10.653	9.257	6.726	3.234	1.402	1.146	1.404	88.519
91.020	10.649	9.256	6.695	3.267	1.414	1.137	1.391	91.935
93.645	10.645	9.257	6.672	3.294	1.423	1.131	1.382	94.570
97.246	10.639	9.260	6.639	3.333	1.437	1.124	1.370	98.185
100.965	10.634	9.264	6.606	3.373	1.451	1.118	1.358	101.918
103.834	10.632	9.267	6.581	3.404	1.462	1.114	1.349	104.798
107.769	10.630	9.272	6.548	3.444	1.477	1.109	1.338	108.748
110.805	10.630	9.275	6.522	3.473	1.488	1.105	1.330	111.796
114.970	10.631	9.279	6.489	3.509	1.502	1.101	1.320	115.977
119.273	10.634	9.282	6.457	3.541	1.516	1.098	1.311	120.296
122.594	10.637	9.284	6.433	3.563	1.525	1.095	1.304	123.630
127.150	10.642	9.286	6.404	3.589	1.537	1.092	1.295	128.203
130.667	10.646	9.288	6.383	3.605	1.545	1.091	1.289	131.733
135.491	10.652	9.290	6.356	3.624	1.554	1.088	1.281	136.575
140.475	10.660	9.293	6.331	3.639	1.563	1.086	1.273	141.578
144.321	10.666	9.295	6.313	3.649	1.568	1.085	1.268	145.439
149.597	10.675	9.299	6.289	3.659	1.575	1.084	1.261	150.736
155.048	10.685	9.302	6.267	3.667	1.580	1.082	1.254	156.208
159.255	10.692	9.305	6.250	3.671	1.584	1.082	1.249	160.430
165.027	10.701	9.309	6.229	3.675	1.588	1.081	1.244	166.224
169.481	10.707	9.313	6.214	3.676	1.590	1.081	1.239	170.696
175.594	10.716	9.317	6.195	3.676	1.593	1.080	1.234	176.832
181.912	10.723	9.323	6.177	3.675	1.596	1.080	1.229	183.174
186.788	10.728	9.327	6.164	3.673	1.598	1.080	1.225	188.069
193.482	10.735	9.332	6.148	3.669	1.602	1.081	1.221	194.788
200.401	10.741	9.338	6.134	3.663	1.606	1.081	1.217	201.734

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	45.328	43.348	38.303	32.225	26.982	23.612	22.472	1.435
1.056	36.468	34.836	30.675	25.692	21.442	18.741	17.834	1.627
1.267	34.124	32.587	28.695	24.089	20.204	17.753	16.932	1.839
1.607	30.833	29.443	25.951	21.875	18.490	16.388	15.689	2.181
2.036	27.266	26.022	22.934	19.415	16.585	14.889	14.337	2.611
2.554	23.798	22.674	19.930	16.950	14.699	13.422	13.024	3.131
3.161	20.718	19.702	17.248	14.677	12.835	11.920	11.673	3.740
3.857	18.149	17.195	14.933	12.681	11.160	10.494	10.355	4.439
4.640	16.106	15.183	13.036	10.985	9.711	9.252	9.195	5.225
5.502	14.527	13.612	11.526	9.609	8.485	8.170	8.177	6.090
6.435	13.330	12.407	10.341	8.509	7.485	7.243	7.279	7.027
7.430	12.433	11.489	9.415	7.635	6.678	6.475	6.515	8.025
8.475	11.773	10.794	8.689	6.939	6.025	5.846	5.885	9.074
9.562	11.300	10.275	8.117	6.379	5.494	5.328	5.364	10.165
10.682	10.977	9.895	7.666	5.924	5.060	4.900	4.929	11.290
12.117	10.744	9.574	7.232	5.467	4.619	4.465	4.486	12.731
13.286	10.668	9.418	6.966	5.171	4.329	4.181	4.197	13.904
14.468	10.674	9.334	6.759	4.922	4.082	3.941	3.956	15.090
15.657	10.750	9.311	6.599	4.711	3.869	3.736	3.753	16.284
16.849	10.889	9.340	6.479	4.532	3.685	3.560	3.579	17.480
18.040	11.087	9.416	6.392	4.379	3.523	3.408	3.429	18.676
19.227	11.342	9.535	6.334	4.248	3.380	3.274	3.300	19.868
20.407	11.652	9.694	6.302	4.134	3.254	3.157	3.187	21.052
21.576	12.013	9.892	6.291	4.036	3.140	3.053	3.088	22.226
22.733	12.423	10.127	6.301	3.952	3.038	2.961	3.001	23.387
23.876	12.874	10.396	6.329	3.880	2.946	2.878	2.925	24.534
25.003	13.361	10.696	6.374	3.818	2.862	2.804	2.857	25.666
26.114	13.875	11.025	6.434	3.765	2.786	2.737	2.797	26.781
27.208	14.409	11.377	6.508	3.721	2.716	2.676	2.744	27.879
28.284	14.954	11.749	6.595	3.684	2.651	2.621	2.696	28.960
29.607	15.637	12.236	6.720	3.647	2.577	2.558	2.644	30.287
30.647	16.176	12.636	6.831	3.624	2.522	2.512	2.607	31.331
31.672	16.701	13.042	6.952	3.606	2.471	2.470	2.573	32.360
32.684	17.205	13.451	7.081	3.593	2.424	2.430	2.543	33.376
33.686	17.683	13.858	7.217	3.584	2.379	2.393	2.515	34.382
34.680	18.129	14.261	7.361	3.579	2.337	2.358	2.489	35.380
35.670	18.538	14.658	7.511	3.578	2.297	2.325	2.466	36.374
36.661	18.904	15.046	7.668	3.580	2.258	2.293	2.445	37.368
37.656	19.219	15.423	7.832	3.585	2.222	2.262	2.424	38.367
38.662	19.475	15.788	8.002	3.594	2.187	2.231	2.406	39.376
39.682	19.664	16.137	8.178	3.605	2.153	2.202	2.388	40.401
40.724	19.776	16.466	8.360	3.620	2.120	2.172	2.371	41.447
41.793	19.808	16.769	8.548	3.638	2.089	2.143	2.355	42.520
42.896	19.760	17.039	8.742	3.660	2.058	2.114	2.339	43.627
44.038	19.640	17.264	8.941	3.684	2.028	2.085	2.324	44.773

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
45.532	19.416	17.465	9.197	3.720	1.992	2.047	2.306	46.273
46.779	19.206	17.546	9.404	3.753	1.965	2.017	2.291	47.525
48.064	18.991	17.550	9.614	3.789	1.939	1.986	2.277	48.815
49.397	18.786	17.477	9.824	3.828	1.915	1.956	2.262	50.153
50.785	18.602	17.339	10.036	3.870	1.891	1.924	2.248	51.547
52.238	18.444	17.150	10.251	3.916	1.870	1.893	2.232	53.005
53.767	18.316	16.926	10.468	3.966	1.850	1.860	2.217	54.539
55.381	18.219	16.685	10.688	4.020	1.832	1.828	2.200	56.160
57.095	18.151	16.440	10.907	4.078	1.815	1.794	2.183	57.880
58.921	18.108	16.206	11.116	4.141	1.801	1.761	2.164	59.714
60.876	18.084	15.994	11.302	4.208	1.789	1.727	2.144	61.676
62.975	18.072	15.812	11.449	4.278	1.780	1.694	2.123	63.782
65.233	18.069	15.669	11.542	4.351	1.772	1.660	2.100	66.049
67.634	18.075	15.568	11.571	4.425	1.768	1.627	2.075	68.460
70.163	18.089	15.506	11.543	4.499	1.766	1.595	2.048	70.998
73.476	18.112	15.473	11.451	4.593	1.766	1.557	2.012	74.324
76.213	18.131	15.470	11.357	4.669	1.769	1.530	1.983	77.071
79.029	18.143	15.480	11.257	4.748	1.774	1.504	1.954	79.898
81.926	18.148	15.496	11.159	4.832	1.781	1.480	1.924	82.806
84.907	18.144	15.515	11.064	4.921	1.790	1.458	1.896	85.799
87.977	18.133	15.537	10.974	5.015	1.802	1.438	1.868	88.880
91.138	18.117	15.560	10.888	5.113	1.817	1.420	1.841	92.053
94.395	18.100	15.586	10.806	5.210	1.834	1.404	1.815	95.323
97.752	18.084	15.611	10.728	5.303	1.852	1.389	1.790	98.693
101.213	18.072	15.634	10.655	5.389	1.872	1.375	1.766	102.166
104.780	18.064	15.653	10.587	5.465	1.893	1.362	1.743	105.748
108.459	18.060	15.666	10.525	5.531	1.914	1.351	1.720	109.440
112.252	18.060	15.674	10.469	5.587	1.936	1.340	1.698	113.248
116.164	18.065	15.678	10.418	5.632	1.957	1.330	1.677	117.175
120.198	18.073	15.679	10.370	5.667	1.978	1.320	1.656	121.224
125.417	18.088	15.679	10.314	5.700	2.003	1.309	1.632	126.463
129.737	18.103	15.678	10.271	5.719	2.023	1.301	1.613	130.800
134.191	18.120	15.678	10.229	5.734	2.042	1.293	1.596	135.271
138.781	18.138	15.679	10.190	5.744	2.060	1.286	1.578	139.878
143.512	18.156	15.680	10.152	5.750	2.077	1.279	1.562	144.628
148.388	18.174	15.682	10.116	5.752	2.092	1.273	1.546	149.522
153.414	18.191	15.685	10.082	5.750	2.106	1.267	1.531	154.568
158.595	18.207	15.689	10.050	5.745	2.119	1.261	1.516	159.768
163.935	18.221	15.695	10.020	5.737	2.131	1.256	1.501	165.129
169.441	18.234	15.702	9.992	5.726	2.141	1.250	1.488	170.656
175.119	18.245	15.710	9.966	5.712	2.151	1.246	1.475	176.355
180.974	18.254	15.720	9.942	5.696	2.161	1.241	1.462	182.232
187.013	18.262	15.730	9.920	5.678	2.171	1.238	1.450	188.295
193.244	18.269	15.740	9.899	5.658	2.182	1.235	1.439	194.549
201.311	18.275	15.753	9.877	5.632	2.196	1.232	1.426	202.647

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	70.370	67.282	59.435	49.977	41.826	36.604	34.829	1.435
1.055	56.604	54.064	47.590	39.843	33.235	29.041	27.630	1.626
1.266	52.926	50.539	44.489	37.333	31.299	27.493	26.216	1.838
1.703	46.395	44.295	39.037	32.933	27.898	24.787	23.756	2.277
2.153	40.769	38.919	34.285	29.056	24.897	22.425	21.631	2.729
2.691	35.505	33.806	29.680	25.254	21.950	20.128	19.571	3.268
3.487	29.833	28.322	24.711	21.015	18.431	17.220	16.929	4.067
4.222	26.223	24.787	21.412	18.127	16.000	15.141	14.992	4.806
5.256	22.788	21.387	18.180	15.207	13.444	12.923	12.916	5.844
6.165	20.755	19.352	16.200	13.386	11.796	11.414	11.467	6.756
7.136	19.218	17.792	14.649	11.934	10.464	10.153	10.219	7.730
8.420	17.835	16.353	13.170	10.527	9.151	8.890	8.954	9.019
9.492	17.060	15.513	12.262	9.647	8.321	8.079	8.137	10.095
10.595	16.517	14.888	11.541	8.931	7.640	7.407	7.455	11.203
12.005	16.096	14.343	10.842	8.210	6.949	6.725	6.759	12.618
13.151	15.928	14.060	10.409	7.742	6.495	6.278	6.305	13.768
14.594	15.886	13.856	9.991	7.259	6.020	5.816	5.840	15.217
15.752	15.967	13.792	9.735	6.937	5.699	5.507	5.531	16.380
16.909	16.137	13.802	9.537	6.663	5.420	5.240	5.267	17.540
18.345	16.470	13.907	9.355	6.373	5.119	4.954	4.986	18.982
19.481	16.830	14.058	9.255	6.175	4.910	4.758	4.795	20.123
20.883	17.391	14.327	9.178	5.965	4.681	4.545	4.589	21.530
21.985	17.926	14.604	9.150	5.821	4.519	4.396	4.447	22.636
23.068	18.530	14.932	9.149	5.695	4.373	4.264	4.322	23.723
24.393	19.373	15.411	9.181	5.561	4.209	4.117	4.185	25.053
25.429	20.107	15.843	9.232	5.470	4.092	4.013	4.090	26.093
26.443	20.882	16.315	9.302	5.391	3.984	3.919	4.005	27.111
27.680	21.896	16.952	9.415	5.308	3.862	3.813	3.911	28.353
28.646	22.728	17.495	9.524	5.252	3.773	3.736	3.844	29.322
29.825	23.780	18.207	9.679	5.193	3.671	3.649	3.770	30.506
30.747	24.616	18.797	9.818	5.155	3.595	3.585	3.716	31.431
31.651	25.439	19.400	9.969	5.124	3.525	3.526	3.668	32.339
32.760	26.434	20.167	10.172	5.092	3.442	3.457	3.613	33.453
33.633	27.191	20.786	10.346	5.073	3.381	3.406	3.573	34.329
34.496	27.906	21.406	10.529	5.058	3.323	3.358	3.536	35.195
35.565	28.725	22.177	10.771	5.046	3.254	3.300	3.494	36.268
36.416	29.309	22.789	10.975	5.041	3.201	3.257	3.462	37.123
37.482	29.931	23.540	11.243	5.039	3.138	3.204	3.425	38.192
38.339	30.329	24.127	11.469	5.042	3.090	3.163	3.398	39.053
39.206	30.624	24.695	11.704	5.048	3.043	3.123	3.371	39.923
40.309	30.837	25.372	12.012	5.061	2.986	3.074	3.340	41.030
41.212	30.876	25.875	12.271	5.075	2.941	3.035	3.316	41.936
42.373	30.766	26.438	12.610	5.097	2.886	2.986	3.288	43.102
43.336	30.565	26.818	12.894	5.119	2.843	2.947	3.265	44.068
44.333	30.282	27.117	13.191	5.145	2.801	2.907	3.244	45.069

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
45.628	29.850	27.350	13.578	5.183	2.749	2.856	3.217	46.369
46.692	29.480	27.413	13.896	5.216	2.708	2.815	3.197	47.437
47.786	29.108	27.362	14.222	5.254	2.669	2.774	3.177	48.536
49.205	28.670	27.149	14.643	5.305	2.622	2.722	3.152	49.961
50.390	28.356	26.874	14.991	5.351	2.586	2.679	3.132	51.150
51.945	28.027	26.430	15.443	5.414	2.543	2.624	3.107	52.710
53.257	27.822	26.019	15.817	5.470	2.509	2.578	3.086	54.028
54.641	27.670	25.583	16.198	5.531	2.478	2.532	3.064	55.417
56.486	27.553	25.034	16.673	5.616	2.441	2.473	3.035	57.269
58.068	27.510	24.617	17.032	5.691	2.414	2.424	3.010	58.857
60.199	27.506	24.152	17.418	5.792	2.384	2.362	2.977	60.996
62.031	27.531	23.844	17.643	5.879	2.364	2.312	2.948	62.835
63.932	27.572	23.614	17.771	5.969	2.346	2.262	2.917	64.744
66.416	27.628	23.429	17.791	6.086	2.329	2.203	2.874	67.237
68.505	27.672	23.354	17.711	6.184	2.318	2.156	2.838	69.334
70.702	27.715	23.332	17.566	6.289	2.310	2.111	2.799	71.539
73.629	27.763	23.357	17.328	6.435	2.304	2.056	2.747	74.478
76.142	27.796	23.403	17.114	6.569	2.303	2.013	2.704	77.000
79.502	27.819	23.474	16.841	6.761	2.308	1.962	2.647	80.373
82.284	27.817	23.534	16.640	6.931	2.317	1.925	2.602	83.166
85.143	27.795	23.594	16.453	7.114	2.330	1.891	2.556	86.036
88.833	27.746	23.670	16.241	7.350	2.351	1.852	2.499	89.739
91.882	27.702	23.732	16.089	7.536	2.371	1.824	2.455	92.800
95.021	27.662	23.791	15.953	7.709	2.392	1.798	2.412	95.951
99.078	27.624	23.854	15.808	7.901	2.420	1.768	2.360	100.023
102.434	27.604	23.889	15.709	8.028	2.443	1.746	2.320	103.392
106.772	27.595	23.913	15.603	8.153	2.473	1.720	2.273	107.747
110.362	27.598	23.918	15.527	8.229	2.497	1.701	2.237	111.350
114.060	27.609	23.914	15.455	8.285	2.523	1.683	2.202	115.063
118.840	27.631	23.904	15.370	8.333	2.555	1.663	2.161	119.861
122.793	27.655	23.895	15.304	8.359	2.582	1.648	2.129	123.829
127.899	27.692	23.884	15.225	8.381	2.617	1.630	2.091	128.955
132.119	27.724	23.877	15.165	8.392	2.645	1.617	2.061	133.191
136.463	27.757	23.871	15.108	8.396	2.672	1.604	2.032	137.551
142.071	27.797	23.866	15.041	8.394	2.705	1.589	1.998	143.181
146.706	27.825	23.864	14.993	8.385	2.730	1.577	1.971	147.834
151.477	27.851	23.865	14.947	8.370	2.753	1.566	1.945	152.623
157.639	27.877	23.872	14.895	8.342	2.781	1.552	1.914	158.809
162.734	27.893	23.882	14.857	8.313	2.802	1.541	1.890	163.922
169.316	27.910	23.899	14.814	8.271	2.828	1.528	1.861	170.530
174.761	27.921	23.916	14.781	8.232	2.849	1.518	1.838	175.995
180.370	27.930	23.933	14.750	8.192	2.869	1.509	1.817	181.626
187.624	27.938	23.955	14.714	8.141	2.894	1.499	1.792	188.908
193.627	27.943	23.973	14.687	8.102	2.914	1.492	1.772	194.934
201.393	27.948	23.994	14.657	8.054	2.937	1.484	1.750	202.730

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.865	100.967	96.534	85.257	71.674	59.966	52.464	49.913	1.435
1.055	81.215	77.568	68.269	57.142	47.653	41.628	39.603	1.626
1.343	74.132	70.783	62.312	52.313	43.916	38.636	36.872	1.916
1.702	66.487	63.474	55.930	47.175	39.955	35.494	34.017	2.276
2.277	56.402	53.815	47.375	40.205	34.575	31.268	30.217	2.853
2.835	49.031	46.666	40.930	34.822	30.333	27.939	27.229	3.413
3.656	41.215	39.089	34.032	28.926	25.410	23.813	23.453	4.237
4.611	35.241	33.223	28.532	24.054	21.273	20.270	20.146	5.196
5.464	31.640	29.649	25.115	20.953	18.520	17.845	17.865	6.052
6.624	28.310	26.306	21.847	17.935	15.777	15.297	15.388	7.216
7.615	26.372	24.324	19.860	16.067	14.052	13.651	13.748	8.212
8.917	24.632	22.493	17.954	14.248	12.348	12.002	12.093	9.519
10.272	23.470	21.202	16.524	12.851	11.026	10.702	10.777	10.878
11.382	22.862	20.467	15.636	11.957	10.174	9.859	9.917	11.993
12.792	22.419	19.836	14.770	11.049	9.301	8.998	9.040	13.408
13.931	22.269	19.517	14.231	10.452	8.720	8.431	8.466	14.551
15.357	22.290	19.301	13.707	9.833	8.110	7.839	7.873	15.983
16.779	22.510	19.252	13.316	9.324	7.599	7.348	7.385	17.411
17.908	22.820	19.315	13.079	8.980	7.248	7.013	7.055	18.543
19.300	23.367	19.511	12.863	8.613	6.866	6.653	6.702	19.941
20.396	23.932	19.757	12.745	8.362	6.600	6.404	6.459	21.041
21.739	24.789	20.169	12.656	8.092	6.305	6.132	6.198	22.389
23.049	25.802	20.694	12.625	7.863	6.048	5.897	5.974	23.704
24.070	26.713	21.188	12.637	7.706	5.863	5.731	5.819	24.730
25.314	27.962	21.892	12.693	7.537	5.656	5.547	5.648	25.978
26.282	29.034	22.517	12.768	7.421	5.507	5.415	5.528	26.950
27.459	30.445	23.367	12.895	7.297	5.337	5.267	5.395	28.131
28.599	31.919	24.283	13.054	7.194	5.184	5.134	5.278	29.276
29.487	33.104	25.055	13.202	7.123	5.071	5.038	5.195	30.167
30.568	34.602	26.062	13.410	7.049	4.941	4.928	5.101	31.252
31.411	35.790	26.893	13.594	7.000	4.845	4.847	5.033	32.099
32.442	37.240	27.957	13.843	6.949	4.734	4.753	4.956	33.134
33.451	38.629	29.041	14.111	6.908	4.630	4.666	4.886	34.146
34.245	39.681	29.917	14.340	6.882	4.552	4.601	4.835	34.943
35.225	40.900	31.016	14.642	6.857	4.459	4.523	4.776	35.927
36.003	41.782	31.895	14.897	6.843	4.389	4.465	4.731	36.707
36.971	42.744	32.985	15.232	6.831	4.305	4.394	4.679	37.680
37.942	43.521	34.059	15.586	6.826	4.224	4.326	4.631	38.654
38.724	43.990	34.899	15.885	6.826	4.161	4.274	4.594	39.439
39.714	44.366	35.913	16.276	6.832	4.084	4.209	4.550	40.433
40.521	44.491	36.683	16.607	6.841	4.024	4.158	4.517	41.243
41.553	44.428	37.570	17.041	6.858	3.950	4.094	4.477	42.279
42.619	44.138	38.344	17.503	6.881	3.877	4.030	4.438	43.349
43.502	43.764	38.854	17.893	6.904	3.820	3.979	4.408	44.236
44.650	43.159	39.316	18.409	6.938	3.748	3.913	4.371	45.388

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
45.592	42.613	39.523	18.839	6.971	3.691	3.860	4.343	46.333
46.798	41.899	39.562	19.399	7.016	3.623	3.794	4.309	47.544
47.792	41.335	39.418	19.865	7.057	3.569	3.740	4.283	48.542
49.080	40.677	39.037	20.474	7.113	3.503	3.671	4.250	49.835
50.429	40.102	38.461	21.118	7.177	3.439	3.601	4.218	51.189
51.559	39.718	37.890	21.659	7.234	3.389	3.542	4.191	52.324
53.049	39.346	37.085	22.366	7.314	3.329	3.467	4.158	53.819
54.312	39.138	36.403	22.950	7.385	3.282	3.405	4.130	55.086
55.993	38.990	35.552	23.680	7.483	3.227	3.325	4.094	56.774
57.806	38.954	34.749	24.367	7.591	3.176	3.242	4.055	58.594
59.367	38.989	34.175	24.838	7.686	3.138	3.174	4.021	60.160
61.406	39.067	33.597	25.263	7.810	3.096	3.089	3.975	62.208
63.090	39.183	33.263	25.445	7.913	3.067	3.023	3.936	63.898
65.275	39.296	32.993	25.473	8.048	3.036	2.942	3.882	66.091
67.570	39.397	32.875	25.314	8.195	3.010	2.864	3.824	68.395
69.503	39.468	32.868	25.084	8.326	2.993	2.802	3.774	70.335
72.064	39.550	32.938	24.711	8.513	2.978	2.727	3.707	72.906
74.251	39.609	33.033	24.372	8.688	2.970	2.668	3.650	75.102
77.192	39.664	33.170	23.931	8.948	2.969	2.597	3.575	78.055
80.409	39.671	33.309	23.490	9.267	2.977	2.528	3.496	81.283
83.137	39.634	33.419	23.160	9.557	2.992	2.476	3.431	84.022
86.654	39.547	33.560	22.797	9.940	3.017	2.417	3.348	87.552
89.558	39.462	33.672	22.547	10.245	3.041	2.374	3.282	90.467
93.308	39.364	33.805	22.288	10.600	3.073	2.325	3.201	94.232
97.197	39.292	33.916	22.086	10.907	3.106	2.279	3.122	98.135
100.412	39.257	33.974	21.954	11.108	3.132	2.245	3.062	101.363
104.568	39.241	34.005	21.814	11.299	3.164	2.206	2.991	105.534
108.004	39.245	34.004	21.712	11.409	3.191	2.176	2.937	108.984
112.445	39.266	33.982	21.591	11.502	3.225	2.143	2.873	113.442
117.050	39.304	33.954	21.473	11.559	3.262	2.112	2.812	118.064
120.855	39.345	33.932	21.381	11.588	3.294	2.089	2.765	121.884
125.767	39.407	33.907	21.270	11.610	3.336	2.062	2.709	126.814
129.822	39.460	33.889	21.187	11.619	3.370	2.042	2.665	130.885
135.053	39.526	33.869	21.091	11.618	3.413	2.018	2.612	136.136
140.471	39.585	33.854	21.004	11.604	3.456	1.995	2.561	141.574
144.943	39.625	33.847	20.941	11.580	3.489	1.977	2.521	146.064
150.714	39.665	33.849	20.870	11.535	3.530	1.955	2.473	151.857
155.481	39.689	33.859	20.819	11.485	3.562	1.938	2.436	156.642
161.633	39.713	33.881	20.760	11.408	3.603	1.918	2.392	162.818
168.012	39.730	33.910	20.705	11.321	3.644	1.898	2.349	169.221
173.284	39.740	33.936	20.663	11.252	3.678	1.883	2.316	174.514
180.097	39.749	33.970	20.611	11.169	3.719	1.866	2.277	181.352
185.731	39.754	33.998	20.571	11.108	3.750	1.853	2.247	187.007
193.013	39.758	34.031	20.525	11.036	3.787	1.838	2.211	194.318
200.573	39.761	34.063	20.486	10.965	3.821	1.824	2.177	201.907

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.841	2.183	2.104	1.900	1.648	1.423	1.275	1.224	1.411
.931	1.844	1.774	1.595	1.375	1.183	1.056	1.013	1.502
.980	1.860	1.790	1.609	1.388	1.194	1.067	1.024	1.551
1.080	1.861	1.791	1.610	1.389	1.196	1.071	1.028	1.659
1.274	1.848	1.778	1.598	1.380	1.191	1.068	1.027	1.847
1.417	1.836	1.766	1.588	1.372	1.187	1.068	1.027	1.990
1.576	1.820	1.751	1.574	1.363	1.182	1.067	1.028	2.150
1.751	1.798	1.730	1.556	1.350	1.175	1.065	1.028	2.327
2.049	1.759	1.692	1.523	1.324	1.160	1.059	1.025	2.626
2.272	1.726	1.661	1.495	1.303	1.146	1.052	1.021	2.850
2.514	1.695	1.630	1.467	1.281	1.133	1.045	1.017	3.094
2.917	1.655	1.590	1.428	1.250	1.115	1.036	1.012	3.499
3.213	1.631	1.566	1.405	1.230	1.102	1.031	1.010	3.796
3.530	1.610	1.546	1.384	1.211	1.087	1.025	1.007	4.115
3.870	1.593	1.528	1.366	1.195	1.073	1.017	1.004	4.457
4.423	1.573	1.507	1.343	1.174	1.055	1.005	.997	5.013
4.820	1.563	1.496	1.331	1.162	1.046	.999	.992	5.413
5.242	1.557	1.489	1.321	1.153	1.040	.995	.990	5.836
5.919	1.551	1.482	1.310	1.141	1.033	.994	.990	6.518
6.402	1.550	1.48	1.305	1.135	1.029	.994	.992	7.003
6.909	1.551	1.479	1.301	1.131	1.026	.995	.995	7.513
7.442	1.554	1.480	1.299	1.128	1.025	.997	.998	8.048
8.288	1.559	1.484	1.298	1.125	1.024	1.000	1.003	8.900
8.886	1.564	1.487	1.299	1.124	1.024	1.002	1.006	9.500
9.510	1.569	1.491	1.300	1.124	1.025	1.005	1.009	10.128
10.496	1.577	1.498	1.302	1.125	1.028	1.010	1.015	11.119
11.188	1.583	1.503	1.305	1.126	1.030	1.014	1.019	11.815
11.908	1.589	1.508	1.307	1.127	1.032	1.018	1.023	12.539
12.656	1.595	1.512	1.310	1.129	1.034	1.022	1.027	13.291
13.833	1.604	1.520	1.314	1.131	1.037	1.027	1.033	14.475
14.655	1.610	1.525	1.317	1.133	1.040	1.031	1.037	15.301
15.506	1.615	1.529	1.320	1.134	1.042	1.034	1.041	16.157
16.389	1.620	1.534	1.322	1.136	1.044	1.037	1.044	17.045
17.772	1.627	1.540	1.326	1.139	1.047	1.042	1.049	18.435
18.734	1.631	1.543	1.329	1.141	1.049	1.044	1.052	19.403
19.729	1.635	1.547	1.332	1.142	1.051	1.047	1.054	20.403
21.284	1.641	1.552	1.335	1.145	1.053	1.050	1.057	21.967
22.364	1.644	1.555	1.337	1.146	1.055	1.052	1.059	23.053
23.479	1.647	1.558	1.340	1.148	1.056	1.053	1.061	24.174
24.631	1.650	1.560	1.342	1.149	1.057	1.055	1.062	25.332
26.427	1.654	1.564	1.344	1.152	1.059	1.056	1.064	27.138
27.671	1.656	1.566	1.346	1.153	1.060	1.057	1.065	28.390
28.955	1.659	1.568	1.348	1.154	1.061	1.058	1.066	29.680
30.955	1.661	1.571	1.350	1.156	1.063	1.059	1.067	31.692
32.340	1.663	1.573	1.352	1.157	1.064	1.060	1.067	33.084

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.767	1.665	1.574	1.353	1.158	1.064	1.060	1.067	34.519
35.237	1.666	1.576	1.354	1.160	1.065	1.061	1.068	35.996
37.525	1.669	1.578	1.356	1.161	1.066	1.061	1.068	38.297
39.107	1.670	1.579	1.357	1.162	1.067	1.062	1.068	39.888
40.736	1.671	1.580	1.358	1.163	1.067	1.062	1.069	41.526
43.271	1.673	1.582	1.360	1.164	1.068	1.062	1.069	44.075
45.023	1.673	1.583	1.361	1.165	1.069	1.063	1.069	45.836
46.826	1.674	1.584	1.362	1.165	1.069	1.063	1.069	47.650
48.682	1.675	1.584	1.362	1.166	1.070	1.063	1.069	49.516
51.568	1.676	1.586	1.364	1.167	1.070	1.063	1.069	52.418
53.563	1.677	1.586	1.364	1.168	1.071	1.063	1.069	54.424
55.616	1.678	1.587	1.365	1.168	1.071	1.063	1.069	56.488
58.808	1.678	1.588	1.366	1.169	1.072	1.064	1.069	59.698
61.014	1.679	1.588	1.367	1.169	1.072	1.064	1.069	61.916
63.285	1.679	1.589	1.367	1.170	1.072	1.064	1.069	64.200
65.623	1.680	1.589	1.368	1.170	1.072	1.064	1.069	66.550
69.260	1.680	1.590	1.369	1.171	1.073	1.064	1.069	70.207
71.774	1.680	1.590	1.369	1.171	1.073	1.064	1.069	72.735
74.363	1.681	1.591	1.370	1.172	1.073	1.064	1.069	75.338
77.029	1.681	1.591	1.370	1.172	1.074	1.064	1.069	78.019
81.179	1.681	1.592	1.371	1.172	1.074	1.064	1.069	82.192
84.050	1.681	1.592	1.371	1.173	1.074	1.064	1.069	85.079
87.008	1.681	1.592	1.372	1.173	1.074	1.064	1.069	88.053
91.614	1.681	1.593	1.372	1.173	1.075	1.064	1.069	92.684
94.801	1.681	1.593	1.373	1.173	1.075	1.065	1.069	95.889
98.086	1.681	1.593	1.373	1.174	1.075	1.065	1.069	99.192
101.471	1.681	1.593	1.373	1.174	1.075	1.065	1.069	102.596
106.746	1.682	1.593	1.374	1.174	1.075	1.065	1.069	107.899
110.397	1.682	1.594	1.374	1.174	1.076	1.065	1.069	111.571
114.162	1.682	1.594	1.375	1.174	1.076	1.065	1.069	115.356
120.027	1.682	1.594	1.375	1.174	1.076	1.065	1.069	121.254
124.090	1.682	1.594	1.376	1.175	1.076	1.065	1.069	125.339
128.278	1.682	1.594	1.376	1.175	1.076	1.065	1.069	129.550
132.596	1.682	1.594	1.376	1.175	1.076	1.065	1.069	133.892
139.325	1.682	1.594	1.377	1.175	1.077	1.065	1.069	140.658
143.986	1.682	1.595	1.377	1.175	1.077	1.065	1.069	145.345
148.792	1.682	1.595	1.377	1.175	1.077	1.065	1.069	150.178
156.283	1.682	1.595	1.378	1.175	1.077	1.066	1.069	157.709
161.471	1.682	1.595	1.378	1.175	1.077	1.066	1.069	162.926
166.821	1.682	1.595	1.378	1.175	1.077	1.066	1.069	168.306
172.337	1.682	1.595	1.379	1.175	1.077	1.066	1.069	173.852
180.935	1.682	1.595	1.379	1.175	1.078	1.066	1.069	182.497
186.890	1.682	1.595	1.379	1.175	1.078	1.066	1.069	188.485
193.031	1.682	1.595	1.379	1.175	1.078	1.066	1.069	194.660
202.603	1.682	1.595	1.379	1.175	1.078	1.066	1.069	204.204

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	θ_c	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
.853	3.603	3.460	3.094	2.646	2.253	1.997	1.910	1.424
.946	3.249	3.121	2.791	2.390	2.040	1.812	1.735	1.517
1.000	3.161	3.035	2.712	2.321	1.981	1.762	1.688	1.571
1.186	3.023	2.899	2.582	2.200	1.873	1.664	1.594	1.758
1.334	2.954	2.833	2.523	2.152	1.834	1.631	1.562	1.907
1.595	2.833	2.717	2.421	2.071	1.775	1.588	1.526	2.170
1.797	2.743	2.629	2.343	2.007	1.728	1.554	1.497	2.373
2.142	2.598	2.490	2.217	1.904	1.649	1.496	1.446	2.719
2.403	2.501	2.395	2.129	1.832	1.595	1.456	1.411	2.981
2.846	2.367	2.263	2.005	1.725	1.513	1.395	1.359	3.428
3.178	2.286	2.184	1.930	1.658	1.458	1.353	1.323	3.762
3.726	2.186	2.083	1.831	1.568	1.380	1.290	1.268	4.312
4.122	2.132	2.028	1.775	1.516	1.335	1.251	1.232	4.711
4.545	2.088	1.983	1.727	1.470	1.294	1.216	1.200	5.136
5.228	2.040	1.931	1.669	1.411	1.242	1.172	1.159	5.822
5.715	2.018	1.906	1.639	1.380	1.212	1.147	1.137	6.312
6.496	1.998	1.882	1.605	1.341	1.175	1.116	1.108	7.097
7.049	1.993	1.873	1.589	1.321	1.155	1.098	1.092	7.654
7.930	1.994	1.868	1.572	1.298	1.132	1.077	1.072	8.539
8.552	1.999	1.870	1.566	1.286	1.119	1.066	1.062	9.165
9.538	2.015	1.879	1.561	1.273	1.105	1.054	1.051	10.157
10.234	2.028	1.888	1.561	1.267	1.098	1.049	1.046	10.856
11.330	2.052	1.906	1.566	1.262	1.090	1.044	1.042	11.958
12.090	2.070	1.920	1.571	1.260	1.086	1.042	1.041	12.723
13.276	2.099	1.943	1.581	1.259	1.082	1.041	1.042	13.914
14.095	2.118	1.958	1.588	1.260	1.081	1.041	1.043	14.738
14.937	2.136	1.974	1.596	1.261	1.080	1.042	1.046	15.585
16.243	2.163	1.997	1.609	1.264	1.079	1.045	1.050	16.898
17.142	2.180	2.012	1.618	1.267	1.079	1.047	1.053	17.803
18.533	2.204	2.033	1.632	1.271	1.080	1.050	1.058	19.201
19.488	2.219	2.046	1.640	1.274	1.081	1.053	1.062	20.162
20.963	2.239	2.064	1.653	1.279	1.082	1.056	1.068	21.644
21.975	2.251	2.075	1.661	1.283	1.083	1.059	1.071	22.661
23.533	2.267	2.090	1.672	1.288	1.085	1.062	1.077	24.229
24.601	2.277	2.100	1.679	1.292	1.086	1.064	1.080	25.302
26.244	2.290	2.112	1.689	1.297	1.088	1.068	1.085	26.954
27.368	2.298	2.120	1.696	1.300	1.089	1.070	1.088	28.084
29.096	2.308	2.130	1.704	1.305	1.091	1.072	1.092	29.822
30.278	2.314	2.136	1.709	1.309	1.093	1.074	1.095	31.010
31.482	2.320	2.141	1.714	1.312	1.094	1.075	1.097	32.221
33.333	2.328	2.149	1.721	1.316	1.097	1.077	1.100	34.082
34.597	2.332	2.154	1.725	1.319	1.098	1.079	1.102	35.353
36.539	2.338	2.160	1.731	1.323	1.100	1.080	1.104	37.306
37.865	2.342	2.164	1.735	1.325	1.102	1.081	1.106	38.639
39.902	2.347	2.169	1.740	1.329	1.104	1.083	1.108	40.688

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
41.294	2.349	2.172	1.743	1.331	1.105	1.084	1.109	42.087
43.436	2.353	2.176	1.747	1.334	1.108	1.085	1.110	44.240
44.900	2.355	2.179	1.750	1.336	1.109	1.086	1.111	45.713
47.155	2.358	2.182	1.753	1.339	1.111	1.087	1.112	47.981
48.700	2.359	2.184	1.755	1.341	1.112	1.088	1.112	49.534
51.082	2.361	2.187	1.759	1.343	1.114	1.089	1.113	51.929
52.716	2.362	2.189	1.761	1.345	1.116	1.089	1.114	53.572
54.389	2.362	2.190	1.763	1.346	1.117	1.090	1.114	55.254
56.973	2.363	2.192	1.765	1.348	1.119	1.091	1.114	57.852
58.748	2.363	2.193	1.767	1.349	1.120	1.091	1.115	59.637
61.493	2.364	2.195	1.769	1.351	1.121	1.092	1.115	62.398
63.381	2.364	2.196	1.771	1.352	1.122	1.092	1.115	64.295
66.301	2.364	2.197	1.773	1.353	1.124	1.093	1.115	67.232
68.309	2.364	2.197	1.775	1.354	1.125	1.094	1.115	69.251
71.418	2.364	2.198	1.777	1.355	1.126	1.094	1.116	72.377
73.556	2.364	2.198	1.779	1.356	1.127	1.095	1.116	74.527
76.866	2.364	2.199	1.781	1.357	1.128	1.095	1.116	77.855
79.144	2.364	2.199	1.782	1.358	1.128	1.096	1.116	80.145
82.670	2.364	2.199	1.785	1.359	1.129	1.096	1.116	83.691
85.096	2.364	2.199	1.786	1.359	1.130	1.097	1.116	86.130
87.584	2.364	2.199	1.788	1.359	1.131	1.097	1.116	88.633
91.438	2.363	2.199	1.790	1.360	1.131	1.098	1.116	92.507
94.089	2.363	2.199	1.791	1.360	1.132	1.098	1.116	95.173
98.196	2.362	2.199	1.794	1.361	1.133	1.099	1.116	99.302
101.022	2.362	2.199	1.795	1.361	1.133	1.099	1.116	102.144
105.399	2.362	2.199	1.797	1.361	1.134	1.099	1.116	106.545
108.411	2.362	2.199	1.798	1.362	1.134	1.100	1.116	109.574
113.076	2.361	2.199	1.799	1.362	1.135	1.100	1.116	114.264
116.287	2.361	2.199	1.800	1.362	1.135	1.100	1.116	117.493
121.259	2.361	2.199	1.801	1.363	1.136	1.101	1.116	122.493
124.681	2.361	2.199	1.802	1.363	1.136	1.101	1.116	125.934
129.982	2.361	2.199	1.802	1.364	1.136	1.101	1.116	131.263
133.630	2.362	2.198	1.803	1.364	1.137	1.101	1.116	134.931
137.372	2.362	2.198	1.803	1.365	1.137	1.102	1.116	138.694
143.167	2.362	2.198	1.803	1.366	1.137	1.102	1.117	144.522
147.156	2.362	2.198	1.803	1.366	1.138	1.102	1.117	148.532
153.334	2.363	2.197	1.803	1.368	1.138	1.102	1.117	154.744
157.586	2.363	2.197	1.802	1.368	1.138	1.103	1.117	159.019
164.170	2.364	2.197	1.802	1.370	1.139	1.103	1.117	165.640
168.702	2.364	2.197	1.802	1.371	1.139	1.103	1.117	170.197
175.721	2.364	2.197	1.801	1.372	1.139	1.103	1.117	177.255
180.552	2.365	2.197	1.801	1.373	1.139	1.103	1.117	182.112
188.034	2.365	2.196	1.800	1.374	1.139	1.104	1.117	189.635
193.183	2.366	2.196	1.799	1.375	1.139	1.104	1.117	194.813
201.158	2.366	2.196	1.799	1.376	1.139	1.104	1.117	202.832

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.862	11.946	11.435	10.132	8.556	7.191	6.312	6.013	1.432
1.001	10.505	10.053	8.901	7.517	6.331	5.572	5.316	1.572
1.129	10.031	9.592	8.477	7.145	6.011	5.292	5.050	1.701
1.352	9.431	9.017	7.968	6.724	5.673	5.008	4.786	1.925
1.710	8.575	8.196	7.243	6.135	5.218	4.651	4.463	2.285
2.036	7.901	7.546	6.663	5.654	4.840	4.351	4.191	2.613
2.408	7.241	6.908	6.085	5.177	4.470	4.059	3.929	2.987
2.826	6.644	6.325	5.551	4.722	4.104	3.767	3.665	3.408
3.456	5.958	5.656	4.931	4.180	3.645	3.380	3.311	4.040
3.980	5.541	5.242	4.534	3.825	3.340	3.116	3.063	4.568
4.548	5.201	4.902	4.201	3.517	3.070	2.881	2.842	5.139
5.368	4.854	4.548	3.845	3.179	2.762	2.606	2.582	5.963
6.025	4.661	4.347	3.634	2.974	2.570	2.427	2.410	6.624
6.715	4.517	4.192	3.463	2.802	2.407	2.272	2.257	7.318
7.435	4.413	4.075	3.325	2.660	2.270	2.139	2.125	8.042
8.436	4.328	3.968	3.184	2.506	2.118	1.993	1.979	9.048
9.213	4.297	3.918	3.104	2.413	2.023	1.901	1.887	9.830
10.011	4.291	3.891	3.043	2.334	1.943	1.821	1.808	10.632
11.103	4.316	3.885	2.984	2.250	1.853	1.732	1.719	11.730
11.942	4.356	3.900	2.956	2.198	1.795	1.676	1.662	12.574
12.797	4.412	3.929	2.939	2.155	1.745	1.627	1.614	13.433
13.666	4.481	3.970	2.932	2.119	1.702	1.584	1.572	14.307
14.847	4.591	4.043	2.935	2.081	1.651	1.536	1.524	15.494
15.749	4.686	4.108	2.946	2.058	1.619	1.504	1.494	16.402
16.665	4.787	4.181	2.964	2.040	1.590	1.477	1.468	17.323
17.907	4.933	4.289	2.997	2.022	1.555	1.444	1.438	18.572
18.855	5.047	4.376	3.028	2.012	1.533	1.423	1.419	19.525
19.816	5.163	4.466	3.064	2.006	1.512	1.405	1.403	20.491
20.790	5.279	4.560	3.103	2.002	1.494	1.388	1.388	21.470
22.109	5.433	4.686	3.161	2.001	1.472	1.368	1.372	22.797
23.113	5.544	4.780	3.207	2.003	1.457	1.355	1.362	23.806
24.130	5.651	4.872	3.256	2.007	1.443	1.343	1.353	24.828
25.159	5.752	4.963	3.306	2.013	1.431	1.332	1.346	25.863
26.551	5.877	5.077	3.375	2.023	1.415	1.319	1.338	27.263
27.610	5.964	5.159	3.427	2.033	1.405	1.309	1.332	28.328
28.684	6.044	5.236	3.478	2.044	1.396	1.301	1.328	29.408
30.143	6.140	5.333	3.547	2.061	1.385	1.291	1.324	30.875
31.261	6.203	5.400	3.597	2.076	1.377	1.283	1.321	31.999
32.403	6.260	5.463	3.647	2.092	1.371	1.276	1.319	33.147
33.575	6.308	5.522	3.695	2.109	1.365	1.269	1.318	34.325
35.191	6.358	5.594	3.756	2.133	1.358	1.261	1.316	35.951
36.452	6.383	5.642	3.800	2.153	1.354	1.254	1.315	37.218
37.760	6.398	5.684	3.843	2.173	1.351	1.248	1.315	38.533
39.588	6.400	5.730	3.897	2.202	1.349	1.240	1.314	40.371
41.029	6.391	5.755	3.935	2.225	1.348	1.235	1.314	41.821

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
42.538	6.376	5.770	3.972	2.247	1.349	1.229	1.314	43.337
44.104	6.360	5.774	4.006	2.270	1.350	1.224	1.314	44.912
46.250	6.342	5.768	4.050	2.300	1.353	1.217	1.313	47.070
47.907	6.331	5.755	4.080	2.321	1.356	1.213	1.312	48.737
49.608	6.322	5.740	4.109	2.341	1.361	1.208	1.311	50.447
51.949	6.312	5.720	4.146	2.366	1.367	1.203	1.310	52.800
53.762	6.305	5.706	4.172	2.383	1.373	1.200	1.308	54.624
55.627	6.297	5.693	4.195	2.399	1.380	1.197	1.307	56.499
57.547	6.290	5.682	4.216	2.414	1.387	1.195	1.306	58.429
60.194	6.281	5.669	4.238	2.431	1.396	1.192	1.304	61.091
62.248	6.274	5.661	4.250	2.443	1.404	1.191	1.302	63.157
64.363	6.267	5.654	4.258	2.453	1.412	1.190	1.301	65.283
67.279	6.260	5.645	4.263	2.465	1.423	1.189	1.298	68.215
69.540	6.256	5.639	4.264	2.474	1.431	1.188	1.296	70.488
71.866	6.253	5.634	4.264	2.482	1.438	1.188	1.294	72.828
74.259	6.250	5.629	4.262	2.491	1.446	1.188	1.292	75.234
77.557	6.249	5.622	4.257	2.503	1.456	1.189	1.289	78.550
80.114	6.248	5.618	4.253	2.513	1.464	1.189	1.287	81.121
82.743	6.248	5.615	4.248	2.524	1.471	1.190	1.286	83.765
85.448	6.247	5.612	4.242	2.536	1.477	1.191	1.284	86.485
89.176	6.247	5.610	4.233	2.552	1.486	1.193	1.281	90.233
92.065	6.247	5.608	4.225	2.565	1.492	1.195	1.280	93.138
95.037	6.247	5.607	4.218	2.577	1.498	1.197	1.278	96.126
99.133	6.248	5.606	4.207	2.594	1.505	1.199	1.276	100.244
102.307	6.249	5.605	4.199	2.606	1.510	1.201	1.274	103.436
105.572	6.250	5.605	4.191	2.617	1.514	1.203	1.273	106.719
108.930	6.252	5.604	4.183	2.627	1.517	1.205	1.272	110.095
113.557	6.255	5.604	4.172	2.640	1.521	1.208	1.270	114.748
117.143	6.257	5.604	4.164	2.648	1.524	1.210	1.269	118.354
120.832	6.259	5.604	4.156	2.655	1.526	1.212	1.268	122.063
125.915	6.263	5.605	4.146	2.664	1.528	1.214	1.267	127.174
129.855	6.265	5.606	4.138	2.669	1.529	1.216	1.266	131.136
133.908	6.268	5.606	4.131	2.674	1.530	1.218	1.265	135.211
138.078	6.270	5.607	4.124	2.677	1.532	1.220	1.265	139.404
143.824	6.274	5.609	4.116	2.681	1.533	1.222	1.264	145.182
148.279	6.276	5.610	4.109	2.683	1.534	1.224	1.263	149.662
152.862	6.279	5.611	4.103	2.684	1.535	1.226	1.263	154.270
159.180	6.282	5.613	4.096	2.685	1.537	1.228	1.262	160.622
164.078	6.284	5.615	4.091	2.685	1.539	1.229	1.262	165.547
169.117	6.286	5.616	4.086	2.685	1.541	1.231	1.262	170.615
174.303	6.288	5.618	4.081	2.684	1.543	1.232	1.262	175.829
181.452	6.291	5.620	4.075	2.682	1.545	1.234	1.262	183.018
186.997	6.292	5.621	4.071	2.681	1.548	1.235	1.262	188.592
192.702	6.294	5.623	4.068	2.679	1.550	1.237	1.262	194.329
200.569	6.295	5.625	4.063	2.676	1.554	1.238	1.262	202.239

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	25.854	24.731	21.870	18.418	15.437	13.519	12.870	1.434
1.000	22.748	21.755	19.224	16.192	13.598	11.942	11.384	1.571
1.195	21.206	20.265	17.873	15.027	12.614	11.088	10.577	1.767
1.512	19.315	18.454	16.283	13.736	11.607	10.275	9.829	2.086
1.907	17.278	16.497	14.549	12.314	10.496	9.392	9.029	2.483
2.381	15.279	14.568	12.814	10.881	9.377	8.502	8.225	2.960
2.933	13.499	12.840	11.241	9.540	8.287	7.621	7.424	3.514
3.562	12.002	11.377	9.888	8.366	7.292	6.770	6.636	4.147
4.265	10.815	10.203	8.770	7.363	6.432	6.024	5.935	4.854
5.035	9.906	9.292	7.881	6.542	5.700	5.379	5.328	5.628
5.864	9.228	8.601	7.186	5.885	5.097	4.824	4.794	6.461
6.742	8.736	8.086	6.648	5.363	4.609	4.361	4.338	7.345
7.661	8.391	7.711	6.232	4.948	4.214	3.981	3.960	8.269
8.613	8.164	7.444	5.911	4.616	3.892	3.669	3.649	9.226
9.590	8.033	7.266	5.665	4.349	3.629	3.411	3.390	10.208
10.586	7.981	7.160	5.479	4.132	3.412	3.196	3.173	11.210
11.596	7.994	7.113	5.339	3.954	3.230	3.016	2.992	12.225
12.615	8.063	7.115	5.239	3.808	3.077	2.866	2.840	13.250
13.384	8.145	7.144	5.185	3.715	2.977	2.768	2.742	14.023
14.412	8.291	7.215	5.138	3.610	2.860	2.654	2.630	15.057
15.440	8.473	7.317	5.113	3.522	2.759	2.556	2.534	16.091
16.467	8.689	7.446	5.109	3.450	2.670	2.471	2.451	17.123
17.489	8.936	7.601	5.122	3.389	2.593	2.397	2.379	18.151
18.506	9.210	7.779	5.151	3.340	2.524	2.331	2.316	19.173
19.515	9.508	7.978	5.193	3.299	2.462	2.273	2.262	20.188
20.516	9.825	8.195	5.246	3.266	2.408	2.221	2.213	21.195
21.508	10.154	8.428	5.311	3.240	2.358	2.175	2.171	22.192
22.491	10.490	8.673	5.385	3.220	2.313	2.134	2.133	23.180
23.464	10.828	8.927	5.469	3.205	2.272	2.096	2.100	24.159
24.429	11.160	9.187	5.560	3.195	2.235	2.062	2.070	25.130
25.387	11.484	9.449	5.658	3.189	2.201	2.031	2.043	26.093
26.339	11.793	9.711	5.762	3.187	2.169	2.002	2.020	27.050
27.287	12.086	9.969	5.872	3.188	2.139	1.976	1.999	28.003
28.234	12.359	10.222	5.987	3.193	2.112	1.952	1.980	28.955
29.183	12.608	10.467	6.107	3.200	2.086	1.929	1.963	29.909
30.137	12.831	10.703	6.230	3.211	2.061	1.907	1.947	30.869
30.859	12.979	10.874	6.325	3.220	2.044	1.891	1.937	31.595
31.833	13.147	11.091	6.455	3.236	2.021	1.871	1.924	32.574
32.826	13.279	11.294	6.587	3.254	2.000	1.852	1.912	33.573
33.842	13.371	11.480	6.721	3.275	1.980	1.833	1.901	34.594
34.888	13.421	11.647	6.857	3.299	1.960	1.815	1.891	35.646
35.968	13.430	11.789	6.994	3.326	1.942	1.796	1.882	36.732
37.090	13.400	11.903	7.133	3.357	1.924	1.778	1.873	37.860
38.260	13.341	11.982	7.271	3.390	1.907	1.760	1.865	39.037
39.486	13.263	12.023	7.409	3.428	1.891	1.741	1.858	40.269

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
40.764	13.176	12.024	7.545	3.469	1.877	1.722	1.851	41.554
42.096	13.090	11.989	7.678	3.513	1.864	1.703	1.844	42.894
43.492	13.008	11.924	7.808	3.560	1.852	1.684	1.837	44.297
44.961	12.936	11.837	7.935	3.610	1.842	1.665	1.830	45.774
46.513	12.874	11.738	8.057	3.664	1.833	1.645	1.822	47.335
48.160	12.825	11.634	8.170	3.720	1.827	1.625	1.815	48.991
49.914	12.786	11.533	8.272	3.780	1.822	1.605	1.807	50.754
51.788	12.755	11.440	8.355	3.841	1.820	1.584	1.798	52.639
53.797	12.732	11.360	8.414	3.903	1.820	1.564	1.788	54.659
55.401	12.718	11.311	8.439	3.951	1.822	1.550	1.780	56.271
57.658	12.705	11.260	8.447	4.013	1.828	1.530	1.769	58.541
59.998	12.699	11.226	8.431	4.075	1.835	1.512	1.756	60.894
62.419	12.698	11.203	8.399	4.134	1.845	1.495	1.742	63.328
64.921	12.700	11.190	8.357	4.193	1.857	1.480	1.728	65.844
67.507	12.703	11.184	8.311	4.251	1.872	1.466	1.714	68.444
70.178	12.705	11.183	8.265	4.310	1.888	1.454	1.699	71.130
72.937	12.706	11.185	8.219	4.369	1.907	1.443	1.685	73.905
75.788	12.705	11.190	8.175	4.428	1.927	1.434	1.671	76.771
78.733	12.703	11.197	8.133	4.485	1.949	1.426	1.658	79.733
81.776	12.701	11.204	8.093	4.538	1.971	1.419	1.644	82.792
84.921	12.699	11.212	8.055	4.587	1.994	1.413	1.631	85.954
88.170	12.699	11.219	8.019	4.631	2.017	1.408	1.617	89.221
91.527	12.700	11.225	7.986	4.668	2.040	1.404	1.605	92.597
94.998	12.702	11.229	7.954	4.699	2.061	1.400	1.593	96.087
98.585	12.705	11.232	7.926	4.725	2.082	1.397	1.581	99.694
102.293	12.710	11.233	7.900	4.744	2.101	1.395	1.570	103.422
106.126	12.715	11.234	7.876	4.759	2.119	1.394	1.560	107.276
109.086	12.719	11.235	7.859	4.768	2.132	1.393	1.552	110.252
113.148	12.726	11.236	7.838	4.776	2.147	1.393	1.542	114.337
117.347	12.734	11.236	7.818	4.780	2.161	1.393	1.533	118.559
121.688	12.742	11.237	7.799	4.782	2.174	1.393	1.524	122.924
126.175	12.750	11.239	7.781	4.781	2.185	1.394	1.516	127.436
130.814	12.758	11.240	7.764	4.778	2.196	1.396	1.508	132.101
135.611	12.765	11.242	7.749	4.773	2.207	1.398	1.501	136.923
140.569	12.772	11.245	7.735	4.766	2.217	1.400	1.494	141.909
145.697	12.779	11.248	7.721	4.757	2.227	1.403	1.488	147.065
150.998	12.785	11.251	7.709	4.748	2.237	1.407	1.482	152.396
156.481	12.790	11.255	7.699	4.736	2.247	1.410	1.476	157.909
162.151	12.795	11.259	7.689	4.725	2.258	1.414	1.471	163.610
168.016	12.799	11.264	7.681	4.712	2.268	1.419	1.467	169.507
174.083	12.802	11.268	7.673	4.699	2.277	1.423	1.463	175.607
180.359	12.805	11.272	7.667	4.685	2.286	1.427	1.459	181.918
186.852	12.806	11.276	7.662	4.671	2.295	1.432	1.456	188.446
193.569	12.808	11.280	7.659	4.657	2.304	1.436	1.453	195.201
200.520	12.808	11.284	7.656	4.643	2.312	1.440	1.450	202.190

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	45.328	43.348	38.303	32.225	26.982	23.612	22.472	1.435
1.058	38.871	37.151	32.775	27.554	23.109	20.285	19.337	1.630
1.266	36.311	34.690	30.579	25.702	21.578	18.975	18.104	1.839
1.695	31.936	30.498	26.893	22.709	19.257	17.125	16.417	2.270
2.126	28.282	26.999	23.778	20.139	17.237	15.509	14.953	2.703
2.633	24.909	23.711	20.797	17.655	15.280	13.952	13.541	3.214
3.375	21.309	20.219	17.610	14.912	12.982	12.022	11.766	3.960
4.051	19.038	17.984	15.504	13.050	11.400	10.652	10.480	4.639
4.989	16.898	15.850	13.447	11.168	9.739	9.196	9.110	5.582
5.803	15.651	14.586	12.190	9.992	8.664	8.209	8.162	6.401
6.664	14.729	13.632	11.209	9.052	7.792	7.383	7.349	7.266
7.791	13.932	12.774	10.282	8.139	6.928	6.555	6.525	8.400
8.724	13.518	12.296	9.721	7.569	6.379	6.021	5.992	9.338
9.917	13.217	11.899	9.189	7.003	5.827	5.478	5.447	10.537
10.884	13.117	11.708	8.871	6.642	5.469	5.124	5.088	11.510
11.859	13.117	11.609	8.626	6.342	5.167	4.826	4.787	12.490
13.080	13.234	11.589	8.404	6.036	4.853	4.517	4.477	13.718
14.055	13.405	11.642	8.280	5.835	4.640	4.311	4.271	14.698
15.265	13.704	11.778	8.179	5.628	4.414	4.091	4.054	15.915
16.223	14.007	11.937	8.135	5.490	4.258	3.940	3.906	16.878
17.169	14.363	12.136	8.117	5.373	4.121	3.808	3.777	17.830
18.333	14.880	12.438	8.127	5.250	3.971	3.665	3.638	18.999
19.246	15.345	12.721	8.157	5.169	3.866	3.565	3.542	19.918
20.365	15.982	13.120	8.221	5.083	3.749	3.455	3.436	21.043
21.241	16.526	13.472	8.290	5.027	3.666	3.376	3.363	21.924
22.101	17.094	13.850	8.373	4.980	3.590	3.306	3.297	22.788
23.153	17.822	14.353	8.495	4.932	3.504	3.227	3.224	23.846
23.977	18.411	14.773	8.606	4.901	3.442	3.170	3.172	24.674
24.987	19.142	15.317	8.761	4.872	3.371	3.106	3.115	25.690
25.782	19.714	15.760	8.895	4.854	3.319	3.059	3.074	26.489
26.565	20.268	16.208	9.039	4.841	3.270	3.016	3.037	27.277
27.533	20.924	16.769	9.230	4.830	3.213	2.966	2.995	28.250
28.300	21.413	17.214	9.392	4.826	3.171	2.928	2.964	29.022
29.064	21.864	17.654	9.561	4.826	3.131	2.893	2.936	29.790
30.018	22.366	18.190	9.784	4.830	3.083	2.852	2.904	30.749
30.784	22.710	18.606	9.970	4.836	3.046	2.820	2.880	31.519
31.750	23.061	19.102	10.212	4.849	3.003	2.782	2.853	32.490
32.533	23.271	19.476	10.414	4.862	2.969	2.753	2.832	33.277
33.328	23.414	19.825	10.624	4.878	2.936	2.725	2.813	34.078
34.347	23.497	20.217	10.896	4.903	2.896	2.690	2.790	35.102
35.186	23.491	20.488	11.121	4.926	2.865	2.662	2.773	35.945
36.271	23.401	20.761	11.413	4.960	2.826	2.627	2.752	37.036
37.173	23.274	20.917	11.654	4.991	2.796	2.600	2.737	37.944
38.109	23.111	21.011	11.902	5.026	2.766	2.572	2.722	38.885
39.317	22.878	21.039	12.216	5.074	2.730	2.536	2.704	40.099

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
40.317	22.682	20.990	12.470	5.117	2.701	2.508	2.691	41.105
41.619	22.440	20.852	12.789	5.177	2.667	2.471	2.674	42.414
42.710	22.262	20.687	13.045	5.230	2.641	2.441	2.661	43.511
43.850	22.105	20.486	13.299	5.288	2.616	2.410	2.648	44.657
45.357	21.944	20.201	13.607	5.368	2.587	2.370	2.632	46.172
46.637	21.846	19.960	13.839	5.438	2.565	2.337	2.619	47.459
48.344	21.760	19.665	14.098	5.536	2.540	2.294	2.602	49.176
49.808	21.717	19.448	14.267	5.621	2.523	2.259	2.588	50.648
51.370	21.693	19.259	14.390	5.713	2.508	2.223	2.572	52.218
53.447	21.684	19.073	14.465	5.837	2.493	2.177	2.551	54.307
55.193	21.689	18.969	14.463	5.942	2.485	2.141	2.532	56.062
57.499	21.703	18.889	14.392	6.081	2.479	2.097	2.506	58.381
59.460	21.717	18.860	14.293	6.201	2.478	2.062	2.484	60.353
61.543	21.733	18.854	14.169	6.328	2.481	2.028	2.459	62.447
64.345	21.753	18.870	13.994	6.502	2.490	1.987	2.426	65.265
66.746	21.766	18.894	13.852	6.650	2.503	1.957	2.398	67.679
69.223	21.775	18.924	13.721	6.801	2.520	1.929	2.369	70.170
72.425	21.774	18.965	13.574	6.986	2.546	1.898	2.332	73.390
75.075	21.766	18.999	13.470	7.125	2.571	1.875	2.301	76.055
78.504	21.752	19.040	13.357	7.279	2.604	1.850	2.263	79.502
81.342	21.740	19.071	13.278	7.384	2.634	1.832	2.234	82.356
84.271	21.732	19.095	13.210	7.471	2.665	1.815	2.205	85.300
88.061	21.726	19.117	13.137	7.554	2.707	1.797	2.172	89.112
91.202	21.726	19.126	13.087	7.603	2.742	1.784	2.145	92.270
95.269	21.731	19.129	13.032	7.644	2.787	1.770	2.113	96.360
98.639	21.738	19.127	12.992	7.665	2.823	1.760	2.089	99.748
102.117	21.748	19.123	12.955	7.679	2.859	1.751	2.064	103.245
106.620	21.763	19.117	12.913	7.686	2.904	1.740	2.035	107.773
110.352	21.778	19.112	12.882	7.686	2.938	1.733	2.013	111.525
115.182	21.797	19.106	12.847	7.678	2.980	1.724	1.986	116.382
119.184	21.813	19.103	12.821	7.665	3.013	1.718	1.966	120.406
123.312	21.829	19.100	12.797	7.648	3.044	1.714	1.947	124.557
128.657	21.846	19.099	12.771	7.620	3.081	1.709	1.924	129.932
133.086	21.859	19.100	12.752	7.594	3.109	1.706	1.906	134.385
138.820	21.872	19.105	12.730	7.558	3.142	1.703	1.886	140.151
143.573	21.881	19.110	12.714	7.528	3.167	1.702	1.870	144.930
148.478	21.888	19.117	12.699	7.497	3.190	1.702	1.855	149.862
154.832	21.896	19.127	12.682	7.459	3.216	1.703	1.838	156.250
160.100	21.901	19.135	12.670	7.429	3.236	1.704	1.825	161.547
166.925	21.905	19.146	12.656	7.393	3.259	1.706	1.810	168.410
172.586	21.907	19.154	12.648	7.365	3.276	1.709	1.798	174.102
178.431	21.909	19.162	12.641	7.337	3.293	1.712	1.787	179.980
186.008	21.910	19.172	12.636	7.302	3.313	1.717	1.775	187.598
192.293	21.910	19.178	12.634	7.275	3.328	1.721	1.766	193.917
200.440	21.909	19.185	12.634	7.241	3.346	1.727	1.755	202.109

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	70.370	67.282	59.435	49.977	41.826	36.604	34.829	1.435
1.058	60.337	57.661	50.854	42.734	35.823	31.438	29.962	1.629
1.341	55.010	52.547	46.314	38.946	32.735	28.823	27.513	1.914
1.793	48.026	45.849	40.415	34.142	29.006	25.855	24.813	2.368
2.241	42.370	40.421	35.565	30.143	25.871	23.348	22.543	2.819
2.908	36.072	34.303	30.017	25.454	22.092	20.299	19.767	3.490
3.692	30.952	29.306	25.405	21.463	18.720	17.407	17.079	4.278
4.397	27.787	26.179	22.436	18.798	16.429	15.425	15.218	4.987
5.365	24.837	23.223	19.562	16.151	14.055	13.310	13.218	5.960
6.411	22.771	21.112	17.436	14.143	12.208	11.579	11.529	7.011
7.291	21.605	19.885	16.148	12.896	11.039	10.463	10.421	7.896
8.431	20.613	18.786	14.922	11.677	9.877	9.340	9.301	9.043
9.601	20.020	18.057	14.014	10.737	8.969	8.448	8.407	10.220
10.789	19.736	17.611	13.344	10.002	8.249	7.736	7.686	11.414
11.746	19.684	17.414	12.940	9.526	7.774	7.268	7.212	12.376
12.941	19.794	17.325	12.562	9.038	7.279	6.783	6.724	13.578
14.128	20.062	17.375	12.298	8.643	6.869	6.383	6.325	14.772
15.068	20.378	17.498	12.151	8.381	6.589	6.111	6.055	15.717
16.226	20.890	17.741	12.032	8.105	6.288	5.819	5.768	16.881
17.361	21.530	18.076	11.973	7.878	6.030	5.571	5.524	18.022
18.249	22.129	18.408	11.962	7.724	5.850	5.398	5.356	18.915
19.333	22.979	18.897	11.989	7.562	5.651	5.209	5.173	20.006
20.387	23.925	19.464	12.055	7.426	5.477	5.045	5.015	21.065
21.411	24.950	20.099	12.155	7.314	5.323	4.901	4.878	22.095
22.208	25.813	20.651	12.258	7.239	5.212	4.798	4.782	22.896
23.179	26.927	21.387	12.411	7.160	5.087	4.683	4.674	23.872
24.122	28.061	22.166	12.589	7.096	4.974	4.580	4.580	24.821
24.859	28.969	22.813	12.748	7.054	4.891	4.505	4.513	25.562
25.761	30.088	23.644	12.966	7.012	4.796	4.420	4.437	26.468
26.643	31.171	24.491	13.203	6.979	4.708	4.342	4.369	27.355
27.337	32.000	25.176	13.405	6.959	4.642	4.284	4.320	28.054
28.194	32.974	26.033	13.673	6.942	4.566	4.217	4.263	28.915
29.042	33.863	26.884	13.958	6.931	4.494	4.154	4.211	29.767
29.716	34.501	27.555	14.197	6.927	4.439	4.107	4.173	30.446
30.559	35.196	28.376	14.511	6.927	4.373	4.050	4.129	31.293
31.404	35.761	29.168	14.841	6.933	4.311	3.996	4.087	32.143
32.258	36.183	29.919	15.189	6.944	4.250	3.945	4.048	33.001
32.950	36.412	30.484	15.480	6.956	4.203	3.904	4.019	33.697
33.832	36.562	31.132	15.860	6.976	4.145	3.855	3.983	34.584
34.737	36.562	31.700	16.261	7.001	4.088	3.806	3.950	35.494
35.482	36.463	32.083	16.597	7.025	4.043	3.767	3.924	36.243
36.445	36.229	32.455	17.037	7.061	3.987	3.718	3.893	37.211
37.447	35.897	32.692	17.499	7.102	3.931	3.669	3.864	38.219
38.269	35.585	32.777	17.880	7.140	3.887	3.630	3.841	39.046
39.326	35.161	32.750	18.370	7.192	3.833	3.581	3.814	40.108

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
40.422	34.732	32.581	18.871	7.250	3.779	3.531	3.788	41.210
41.565	34.324	32.285	19.385	7.316	3.726	3.479	3.763	42.360
42.521	34.030	31.971	19.802	7.375	3.685	3.437	3.744	43.321
43.774	33.718	31.504	20.324	7.458	3.634	3.382	3.720	44.580
45.103	33.475	30.986	20.835	7.552	3.584	3.325	3.696	45.917
46.229	33.333	30.560	21.223	7.636	3.547	3.277	3.677	47.050
47.728	33.218	30.044	21.658	7.752	3.502	3.215	3.653	48.557
49.342	33.166	29.576	22.006	7.885	3.460	3.150	3.627	50.179
50.696	33.164	29.262	22.197	8.001	3.430	3.097	3.606	51.541
52.450	33.192	28.962	22.314	8.158	3.398	3.031	3.578	53.305
54.287	33.233	28.760	22.296	8.329	3.371	2.965	3.546	55.151
56.223	33.280	28.650	22.163	8.520	3.349	2.899	3.511	57.098
57.857	33.317	28.619	21.989	8.689	3.337	2.847	3.481	58.742
60.028	33.364	28.634	21.713	8.925	3.327	2.783	3.440	60.924
62.365	33.409	28.691	21.397	9.192	3.326	2.721	3.395	63.274
64.376	33.441	28.752	21.134	9.431	3.331	2.673	3.356	65.296
67.097	33.466	28.839	20.811	9.757	3.346	2.615	3.303	68.032
70.069	33.464	28.932	20.511	10.102	3.370	2.559	3.245	71.020
72.551	33.445	29.011	20.305	10.369	3.394	2.517	3.196	73.516
75.757	33.407	29.107	20.094	10.672	3.430	2.470	3.133	76.740
79.085	33.367	29.190	19.928	10.923	3.459	2.428	3.070	80.086
81.839	33.341	29.243	19.823	11.082	3.503	2.397	3.021	82.855
85.400	33.322	29.286	19.717	11.229	3.550	2.363	2.962	86.436
89.100	33.318	29.301	19.631	11.324	3.602	2.332	2.907	90.156
92.944	33.324	29.296	19.555	11.381	3.659	2.305	2.854	94.021
96.126	33.336	29.284	19.499	11.407	3.707	2.285	2.812	97.221
100.243	33.357	29.264	19.435	11.422	3.771	2.262	2.761	101.361
104.519	33.385	29.244	19.376	11.422	3.838	2.241	2.712	105.660
108.058	33.412	29.228	19.334	11.411	3.892	2.226	2.674	109.219
112.633	33.447	29.210	19.288	11.383	3.961	2.208	2.629	113.819
117.383	33.482	29.195	19.249	11.338	4.031	2.192	2.586	118.595
121.313	33.507	29.187	19.222	11.291	4.087	2.180	2.553	122.547
126.395	33.533	29.182	19.192	11.220	4.155	2.167	2.514	127.657
131.672	33.554	29.184	19.165	11.143	4.220	2.156	2.476	132.963
137.153	33.570	29.193	19.138	11.064	4.280	2.146	2.440	138.474
141.690	33.580	29.204	19.117	11.005	4.325	2.139	2.413	143.036
147.560	33.590	29.220	19.092	10.937	4.376	2.131	2.380	148.939
153.660	33.597	29.238	19.068	10.873	4.422	2.124	2.349	155.072
158.712	33.601	29.253	19.051	10.824	4.456	2.120	2.325	160.152
165.252	33.604	29.272	19.034	10.765	4.496	2.115	2.297	166.728
172.051	33.605	29.289	19.021	10.707	4.533	2.113	2.271	173.565
177.685	33.606	29.303	19.014	10.662	4.560	2.112	2.251	179.230
184.980	33.606	29.317	19.009	10.606	4.591	2.113	2.227	186.564
192.565	33.606	29.330	19.009	10.552	4.619	2.115	2.205	194.192
200.454	33.605	29.339	19.013	10.498	4.643	2.117	2.185	202.124

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.865	100.967	96.534	85.257	71.674	59.966	52.464	49.913	1.435
1.058	86.576	82.732	72.954	61.291	51.367	45.066	42.949	1.629
1.341	78.891	75.353	66.405	55.828	46.917	41.301	39.423	1.914
1.792	68.813	65.691	57.896	48.900	41.535	37.020	35.528	2.367
2.362	58.744	55.989	49.206	41.733	35.922	32.538	31.465	2.941
3.051	49.964	47.485	41.495	35.168	30.551	28.148	27.458	3.634
3.855	42.960	40.628	35.128	29.631	25.867	24.109	23.687	4.442
4.763	37.750	35.463	30.198	25.167	21.980	20.729	20.511	5.355
5.759	34.025	31.711	26.510	21.746	18.876	17.903	17.807	6.357
6.825	31.435	29.039	23.788	19.155	16.477	15.632	15.570	7.428
7.715	29.983	27.489	22.133	17.542	14.957	14.174	14.119	8.323
8.860	28.764	26.106	20.550	15.956	13.439	12.699	12.647	9.475
10.029	28.059	25.197	19.373	14.724	12.247	11.524	11.463	10.650
11.210	27.751	24.652	18.500	13.753	11.294	10.582	10.509	11.837
12.393	27.750	24.386	17.858	12.979	10.520	9.821	9.741	13.027
13.569	27.990	24.336	17.393	12.353	9.882	9.198	9.116	14.209
14.731	28.431	24.457	17.067	11.844	9.350	8.679	8.601	15.378
15.873	29.060	24.721	16.848	11.424	8.900	8.243	8.170	16.526
16.991	29.869	25.115	16.717	11.076	8.517	7.873	7.805	17.650
18.081	30.854	25.632	16.659	10.785	8.187	7.556	7.495	18.746
18.930	31.759	26.131	16.657	10.587	7.954	7.335	7.279	19.600
19.962	33.024	26.855	16.704	10.376	7.697	7.091	7.043	20.638
20.962	34.413	27.680	16.801	10.199	7.470	6.878	6.839	21.647
21.930	35.903	28.595	16.941	10.051	7.268	6.691	6.662	22.616
22.866	37.465	29.589	17.119	9.927	7.088	6.525	6.506	23.558
23.774	39.071	30.648	17.333	9.825	6.926	6.377	6.369	24.471
24.655	40.694	31.761	17.577	9.741	6.778	6.244	6.248	25.356
25.512	42.307	32.915	17.850	9.673	6.644	6.124	6.140	26.218
26.348	43.884	34.100	18.148	9.618	6.521	6.014	6.043	27.058
27.165	45.398	35.305	18.470	9.575	6.406	5.913	5.956	27.881
27.809	46.549	36.277	18.743	9.548	6.321	5.838	5.891	28.528
28.603	47.891	37.493	19.105	9.522	6.220	5.750	5.817	29.327
29.389	49.104	38.701	19.488	9.505	6.125	5.667	5.749	30.117
30.171	50.167	39.891	19.891	9.495	6.035	5.589	5.685	30.903
30.952	51.058	41.051	20.317	9.492	5.948	5.514	5.626	31.688
31.736	51.759	42.167	20.766	9.496	5.865	5.442	5.570	32.476
32.528	52.259	43.227	21.239	9.505	5.785	5.373	5.517	33.273
33.333	52.549	44.211	21.738	9.520	5.706	5.306	5.466	34.082
34.154	52.633	45.098	22.266	9.541	5.628	5.239	5.418	34.908
34.999	52.518	45.865	22.823	9.568	5.551	5.174	5.371	35.757
35.694	52.294	46.374	23.294	9.594	5.490	5.122	5.336	36.457
36.594	51.869	46.855	23.913	9.633	5.413	5.056	5.292	37.361
37.520	51.321	47.143	24.564	9.678	5.337	4.990	5.251	38.293
38.470	50.697	47.225	25.240	9.729	5.261	4.925	5.211	39.247
39.448	50.039	47.100	25.941	9.787	5.186	4.859	5.174	40.231

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
40.461	49.390	46.781	26.667	9.853	5.111	4.792	5.138	41.250
41.518	48.787	46.284	27.417	9.927	5.036	4.723	5.104	42.312
42.625	48.259	45.641	28.184	10.012	4.962	4.652	5.070	43.426
43.792	47.824	44.892	28.959	10.109	4.888	4.578	5.038	44.599
45.029	47.495	44.086	29.721	10.219	4.816	4.501	5.006	45.842
46.076	47.311	43.433	30.301	10.318	4.759	4.436	4.980	46.895
47.467	47.176	42.648	30.953	10.457	4.691	4.352	4.948	48.294
48.948	47.137	41.944	31.476	10.615	4.627	4.264	4.915	49.784
50.479	47.176	41.378	31.822	10.788	4.569	4.175	4.881	51.323
52.063	47.251	40.953	31.971	10.979	4.518	4.085	4.844	52.916
53.714	47.340	40.672	31.936	11.192	4.473	3.995	4.804	54.576
55.446	47.429	40.524	31.735	11.434	4.435	3.905	4.759	56.317
57.276	47.511	40.489	31.402	11.711	4.405	3.816	4.710	58.157
59.224	47.590	40.543	30.972	12.029	4.384	3.728	4.657	60.116
61.312	47.667	40.655	30.483	12.396	4.373	3.642	4.598	62.216
63.102	47.724	40.768	30.073	12.730	4.371	3.574	4.547	64.015
65.513	47.774	40.921	29.563	13.196	4.378	3.491	4.477	66.439
68.148	47.782	41.077	29.080	13.706	4.397	3.410	4.399	69.090
71.045	47.740	41.238	28.647	14.236	4.426	3.331	4.313	72.002
74.124	47.666	41.402	28.299	14.733	4.464	3.257	4.222	75.098
77.317	47.587	41.553	28.042	15.156	4.507	3.191	4.130	78.308
80.630	47.524	41.667	27.855	15.482	4.553	3.131	4.038	81.640
84.069	47.489	41.734	27.718	15.714	4.604	3.078	3.950	85.097
87.639	47.478	41.751	27.606	15.861	4.661	3.029	3.866	88.688
91.347	47.487	41.731	27.507	15.944	4.725	2.985	3.785	92.416
94.416	47.504	41.701	27.433	15.980	4.782	2.953	3.723	95.502
98.383	47.536	41.661	27.346	15.999	4.861	2.917	3.648	99.491
102.501	47.581	41.621	27.268	15.994	4.947	2.883	3.574	103.632
106.774	47.635	41.583	27.200	15.964	5.038	2.852	3.504	107.928
111.206	47.691	41.548	27.144	15.907	5.134	2.824	3.437	112.384
115.804	47.745	41.519	27.098	15.819	5.234	2.798	3.372	117.007
120.572	47.789	41.500	27.062	15.701	5.337	2.774	3.311	121.802
125.520	47.824	41.493	27.030	15.564	5.440	2.753	3.253	126.777
130.653	47.849	41.500	26.999	15.426	5.541	2.733	3.197	131.939
135.981	47.868	41.517	26.964	15.299	5.635	2.715	3.143	137.296
140.388	47.879	41.536	26.935	15.210	5.705	2.701	3.101	141.727
146.087	47.888	41.563	26.900	15.108	5.786	2.685	3.051	147.458
152.005	47.894	41.591	26.869	15.014	5.859	2.670	3.004	153.408
158.153	47.896	41.620	26.842	14.924	5.926	2.656	2.958	159.589
164.539	47.897	41.648	26.820	14.836	5.987	2.644	2.915	166.011
171.175	47.898	41.675	26.804	14.751	6.043	2.634	2.874	172.683
178.070	47.898	41.699	26.793	14.669	6.092	2.626	2.836	179.616
185.235	47.899	41.719	26.789	14.588	6.135	2.620	2.800	186.821
192.681	47.899	41.735	26.790	14.509	6.171	2.616	2.765	194.308
200.419	47.898	41.747	26.797	14.433	6.203	2.614	2.733	202.089

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.841	2.183	2.104	1.900	1.648	1.423	1.275	1.224	1.411
.931	2.029	1.956	1.766	1.533	1.326	1.191	1.144	1.502
.980	1.999	1.926	1.739	1.509	1.307	1.174	1.129	1.551
1.146	1.960	1.887	1.698	1.468	1.268	1.139	1.095	1.718
1.272	1.951	1.878	1.688	1.459	1.259	1.131	1.088	1.846
1.414	1.939	1.866	1.679	1.452	1.256	1.130	1.087	1.988
1.655	1.911	1.838	1.655	1.435	1.248	1.128	1.088	2.231
1.836	1.886	1.814	1.633	1.419	1.238	1.125	1.087	2.414
2.142	1.842	1.772	1.595	1.388	1.218	1.114	1.080	2.722
2.368	1.810	1.741	1.567	1.366	1.203	1.105	1.073	2.950
2.614	1.782	1.712	1.539	1.344	1.190	1.097	1.067	3.197
3.019	1.746	1.676	1.503	1.313	1.170	1.087	1.060	3.606
3.315	1.725	1.655	1.483	1.294	1.155	1.079	1.056	3.903
3.796	1.699	1.630	1.456	1.270	1.133	1.066	1.048	4.389
4.143	1.687	1.617	1.441	1.256	1.121	1.057	1.042	4.738
4.512	1.678	1.607	1.429	1.245	1.111	1.049	1.037	5.109
5.104	1.670	1.597	1.416	1.230	1.101	1.043	1.031	5.706
5.526	1.668	1.594	1.410	1.223	1.096	1.041	1.031	6.131
6.200	1.669	1.592	1.404	1.215	1.091	1.041	1.033	6.810
6.676	1.672	1.594	1.402	1.212	1.088	1.042	1.035	7.291
7.176	1.676	1.596	1.401	1.210	1.087	1.043	1.037	7.793
7.966	1.683	1.602	1.403	1.209	1.086	1.045	1.041	8.590
8.522	1.690	1.607	1.404	1.209	1.087	1.047	1.044	9.150
9.399	1.700	1.615	1.408	1.210	1.089	1.052	1.049	10.033
10.012	1.707	1.621	1.411	1.211	1.091	1.055	1.053	10.651
10.649	1.714	1.627	1.414	1.213	1.093	1.059	1.057	11.293
11.650	1.724	1.636	1.420	1.216	1.096	1.064	1.064	12.301
12.347	1.731	1.642	1.423	1.218	1.099	1.068	1.068	13.004
13.440	1.741	1.650	1.429	1.221	1.102	1.074	1.074	14.104
14.199	1.747	1.656	1.433	1.224	1.105	1.077	1.078	14.870
14.984	1.753	1.661	1.436	1.226	1.107	1.081	1.082	15.660
16.210	1.761	1.668	1.441	1.229	1.110	1.085	1.087	16.895
17.060	1.766	1.673	1.445	1.231	1.113	1.088	1.090	17.752
17.936	1.771	1.677	1.448	1.233	1.114	1.091	1.093	18.635
19.303	1.777	1.683	1.452	1.237	1.117	1.095	1.097	20.012
20.249	1.781	1.686	1.455	1.238	1.119	1.097	1.100	20.965
21.721	1.786	1.691	1.459	1.241	1.121	1.100	1.103	22.448
22.739	1.789	1.694	1.461	1.243	1.123	1.101	1.104	23.473
23.786	1.792	1.697	1.464	1.245	1.124	1.103	1.106	24.529
25.415	1.796	1.701	1.467	1.247	1.126	1.105	1.108	26.170
26.540	1.798	1.703	1.469	1.249	1.128	1.106	1.109	27.303
28.288	1.802	1.706	1.472	1.251	1.129	1.107	1.110	29.064
29.494	1.804	1.708	1.473	1.252	1.130	1.108	1.111	30.279
30.734	1.805	1.710	1.475	1.254	1.131	1.109	1.112	31.529
32.659	1.808	1.712	1.477	1.255	1.133	1.110	1.113	33.469

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.988	1.809	1.714	1.479	1.257	1.134	1.110	1.113	34.807
36.050	1.811	1.716	1.481	1.258	1.135	1.111	1.114	36.884
37.472	1.812	1.717	1.482	1.259	1.136	1.112	1.114	38.317
38.934	1.813	1.718	1.483	1.260	1.136	1.112	1.115	39.790
41.203	1.815	1.720	1.485	1.261	1.137	1.113	1.115	42.076
42.768	1.816	1.721	1.486	1.262	1.138	1.113	1.115	43.663
45.198	1.817	1.722	1.487	1.263	1.139	1.113	1.116	46.102
46.875	1.818	1.723	1.488	1.264	1.139	1.114	1.116	47.791
48.600	1.818	1.723	1.489	1.265	1.140	1.114	1.116	49.529
51.278	1.819	1.724	1.490	1.266	1.140	1.114	1.116	52.227
53.127	1.819	1.725	1.491	1.266	1.141	1.114	1.116	54.090
56.001	1.820	1.726	1.492	1.267	1.141	1.115	1.116	56.986
57.987	1.820	1.726	1.493	1.268	1.142	1.115	1.117	58.986
60.030	1.820	1.727	1.493	1.268	1.142	1.115	1.117	61.044
63.206	1.821	1.727	1.494	1.269	1.143	1.115	1.117	64.245
65.402	1.821	1.728	1.495	1.269	1.143	1.116	1.117	66.457
67.663	1.821	1.728	1.495	1.269	1.143	1.116	1.117	68.735
71.180	1.821	1.728	1.496	1.270	1.144	1.116	1.117	72.278
73.612	1.821	1.729	1.497	1.270	1.144	1.116	1.117	74.729
77.397	1.821	1.729	1.498	1.271	1.144	1.116	1.117	78.542
80.015	1.821	1.729	1.498	1.271	1.145	1.116	1.117	81.180
82.711	1.821	1.730	1.499	1.271	1.145	1.116	1.117	83.896
86.909	1.822	1.730	1.499	1.272	1.145	1.117	1.117	88.126
89.813	1.822	1.730	1.500	1.272	1.146	1.117	1.117	91.051
94.334	1.822	1.730	1.501	1.272	1.146	1.117	1.117	95.606
97.462	1.822	1.730	1.501	1.272	1.146	1.117	1.117	98.758
100.685	1.822	1.730	1.501	1.273	1.146	1.117	1.117	102.005
105.702	1.822	1.731	1.502	1.273	1.146	1.117	1.117	107.060
109.173	1.822	1.731	1.502	1.273	1.147	1.117	1.117	110.557
114.579	1.822	1.731	1.503	1.273	1.147	1.117	1.117	116.003
118.319	1.822	1.731	1.503	1.273	1.147	1.117	1.117	119.772
122.173	1.822	1.731	1.504	1.273	1.147	1.118	1.117	123.654
128.173	1.822	1.731	1.504	1.274	1.147	1.118	1.117	129.699
132.325	1.822	1.731	1.504	1.274	1.147	1.118	1.117	133.883
138.790	1.822	1.731	1.504	1.274	1.148	1.118	1.117	140.396
143.264	1.822	1.731	1.505	1.274	1.148	1.118	1.117	144.904
147.873	1.823	1.731	1.505	1.274	1.148	1.118	1.117	149.548
155.051	1.823	1.731	1.505	1.275	1.148	1.118	1.117	156.779
160.017	1.823	1.731	1.505	1.275	1.148	1.118	1.117	161.783
167.751	1.823	1.731	1.505	1.275	1.148	1.118	1.117	169.575
173.103	1.823	1.731	1.505	1.275	1.148	1.118	1.117	174.967
178.617	1.823	1.731	1.505	1.276	1.148	1.118	1.117	180.523
187.204	1.823	1.731	1.505	1.276	1.149	1.118	1.117	189.174
193.146	1.823	1.731	1.505	1.276	1.149	1.119	1.117	195.160
202.399	1.824	1.731	1.505	1.277	1.149	1.119	1.117	204.782

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.853	3.603	3.460	3.094	2.646	2.253	1.997	1.910	1.424
.947	3.369	3.234	2.889	2.469	2.103	1.865	1.785	1.518
1.058	3.273	3.141	2.804	2.396	2.043	1.815	1.738	1.630
1.186	3.201	3.071	2.738	2.338	1.994	1.773	1.699	1.759
1.413	3.090	2.964	2.642	2.259	1.932	1.724	1.654	1.988
1.686	2.957	2.835	2.528	2.166	1.862	1.671	1.607	2.262
1.893	2.863	2.744	2.445	2.096	1.808	1.631	1.572	2.471
2.244	2.712	2.598	2.312	1.986	1.724	1.566	1.515	2.825
2.509	2.620	2.506	2.224	1.912	1.667	1.523	1.477	3.092
2.947	2.496	2.384	2.108	1.808	1.582	1.458	1.420	3.533
3.433	2.394	2.282	2.008	1.717	1.502	1.392	1.362	4.023
3.784	2.339	2.226	1.951	1.664	1.455	1.351	1.324	4.376
4.350	2.276	2.161	1.881	1.595	1.394	1.297	1.273	4.947
4.965	2.234	2.114	1.828	1.539	1.342	1.252	1.231	5.566
5.400	2.215	2.093	1.800	1.509	1.313	1.227	1.208	6.005
6.093	2.201	2.073	1.770	1.473	1.276	1.194	1.178	6.703
6.581	2.198	2.066	1.755	1.454	1.257	1.176	1.161	7.195
7.352	2.203	2.066	1.742	1.432	1.233	1.154	1.140	7.971
8.171	2.218	2.074	1.736	1.417	1.216	1.138	1.124	8.796
8.744	2.231	2.083	1.736	1.410	1.207	1.129	1.116	9.373
9.644	2.256	2.101	1.741	1.404	1.197	1.121	1.108	10.280
10.273	2.275	2.115	1.746	1.402	1.192	1.117	1.105	10.914
11.262	2.305	2.140	1.757	1.401	1.187	1.113	1.103	11.910
12.307	2.337	2.166	1.770	1.403	1.184	1.112	1.103	12.963
13.035	2.358	2.184	1.780	1.405	1.184	1.113	1.104	13.696
14.160	2.390	2.212	1.796	1.410	1.184	1.114	1.107	14.830
15.325	2.420	2.238	1.812	1.416	1.185	1.117	1.112	16.004
16.123	2.438	2.254	1.823	1.420	1.186	1.119	1.115	16.808
17.353	2.464	2.278	1.840	1.427	1.188	1.123	1.120	18.047
18.194	2.480	2.292	1.850	1.432	1.190	1.126	1.124	18.894
19.487	2.501	2.312	1.865	1.439	1.193	1.130	1.130	20.197
20.818	2.520	2.330	1.879	1.446	1.195	1.134	1.136	21.538
21.726	2.531	2.341	1.887	1.451	1.197	1.137	1.140	22.453
23.121	2.547	2.356	1.899	1.458	1.200	1.141	1.145	23.858
24.554	2.560	2.369	1.911	1.464	1.203	1.144	1.150	25.302
25.530	2.568	2.377	1.918	1.469	1.205	1.147	1.154	26.286
27.028	2.579	2.388	1.927	1.475	1.208	1.150	1.158	27.795
28.049	2.585	2.394	1.933	1.479	1.210	1.152	1.161	28.823
29.614	2.594	2.403	1.942	1.484	1.213	1.155	1.165	30.401
31.223	2.601	2.411	1.949	1.490	1.216	1.157	1.169	32.021
32.319	2.605	2.416	1.954	1.493	1.218	1.159	1.171	33.126
34.004	2.611	2.422	1.960	1.498	1.221	1.161	1.174	34.823
35.154	2.614	2.426	1.964	1.501	1.223	1.163	1.175	35.982
36.923	2.618	2.431	1.970	1.505	1.226	1.164	1.178	37.765
38.748	2.622	2.436	1.975	1.509	1.229	1.166	1.180	39.603

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
39.998	2.623	2.439	1.978	1.511	1.231	1.167	1.181	40.862
41.925	2.626	2.442	1.983	1.515	1.233	1.169	1.183	42.803
43.918	2.627	2.445	1.987	1.518	1.236	1.170	1.184	44.811
45.285	2.628	2.447	1.989	1.520	1.237	1.171	1.185	46.189
47.397	2.629	2.449	1.993	1.523	1.240	1.173	1.186	48.317
48.848	2.629	2.450	1.995	1.525	1.241	1.173	1.186	49.779
51.090	2.629	2.452	1.999	1.527	1.243	1.175	1.187	52.037
53.414	2.630	2.453	2.002	1.529	1.245	1.176	1.188	54.379
55.012	2.630	2.453	2.004	1.531	1.247	1.176	1.188	55.989
57.482	2.630	2.454	2.007	1.533	1.248	1.178	1.189	58.478
59.180	2.630	2.454	2.009	1.534	1.250	1.178	1.189	60.188
61.807	2.630	2.454	2.012	1.535	1.251	1.179	1.190	62.835
64.532	2.629	2.455	2.014	1.537	1.253	1.180	1.190	65.581
66.407	2.629	2.455	2.016	1.538	1.254	1.181	1.190	67.469
69.307	2.629	2.455	2.019	1.539	1.255	1.181	1.190	70.391
72.317	2.628	2.455	2.021	1.540	1.256	1.182	1.190	73.424
74.387	2.628	2.455	2.023	1.541	1.257	1.183	1.191	75.510
77.592	2.628	2.455	2.025	1.542	1.258	1.183	1.191	78.738
79.796	2.628	2.455	2.026	1.542	1.259	1.184	1.191	80.959
83.207	2.627	2.455	2.027	1.543	1.260	1.185	1.191	84.395
86.748	2.627	2.455	2.028	1.544	1.261	1.185	1.191	87.964
89.185	2.627	2.455	2.029	1.545	1.261	1.186	1.191	90.418
92.956	2.627	2.454	2.030	1.546	1.262	1.186	1.191	94.218
96.871	2.627	2.454	2.030	1.548	1.263	1.187	1.192	98.163
99.565	2.627	2.454	2.030	1.549	1.263	1.187	1.192	100.877
103.734	2.628	2.453	2.030	1.550	1.264	1.188	1.192	105.077
106.602	2.628	2.453	2.030	1.551	1.264	1.188	1.192	107.967
111.042	2.628	2.453	2.030	1.553	1.264	1.188	1.192	112.440
115.652	2.628	2.452	2.030	1.555	1.265	1.189	1.192	117.084
118.823	2.629	2.452	2.029	1.556	1.265	1.189	1.192	120.279
123.732	2.629	2.452	2.029	1.558	1.265	1.189	1.192	125.225
127.108	2.630	2.452	2.028	1.559	1.265	1.190	1.192	128.627
132.335	2.630	2.452	2.028	1.561	1.266	1.190	1.192	133.893
137.763	2.631	2.451	2.027	1.562	1.266	1.190	1.192	139.362
141.498	2.631	2.451	2.026	1.563	1.266	1.190	1.193	143.124
147.278	2.631	2.451	2.026	1.565	1.266	1.191	1.193	148.948
153.280	2.632	2.451	2.025	1.566	1.266	1.191	1.193	154.995
157.410	2.632	2.451	2.024	1.567	1.266	1.191	1.193	159.156
163.802	2.633	2.451	2.024	1.568	1.266	1.191	1.193	165.596
168.200	2.633	2.451	2.023	1.569	1.266	1.192	1.193	170.027
175.008	2.633	2.451	2.022	1.570	1.266	1.192	1.193	176.886
182.078	2.634	2.451	2.022	1.571	1.266	1.192	1.193	184.009
186.942	2.634	2.451	2.021	1.571	1.267	1.192	1.193	188.910
194.472	2.634	2.451	2.020	1.572	1.267	1.192	1.193	196.497
202.293	2.634	2.451	2.020	1.572	1.267	1.192	1.193	204.376

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.862	11.946	11.435	10.132	8.556	7.191	6.312	5.013	1.432
1.003	11.042	10.568	9.356	7.896	6.642	5.838	5.567	1.574
1.199	10.427	9.974	8.822	7.450	6.283	5.542	5.293	1.772
1.428	9.807	9.378	8.295	7.015	5.938	5.261	5.034	2.003
1.793	8.915	8.519	7.529	6.383	5.441	4.862	4.671	2.370
2.111	8.243	7.874	6.947	5.897	5.055	4.552	4.388	2.691
2.597	7.422	7.068	6.206	5.270	4.556	4.152	4.026	3.180
3.006	6.880	6.541	5.719	4.844	4.196	3.850	3.748	3.592
3.611	6.283	5.950	5.157	4.344	3.764	3.472	3.393	4.202
4.106	5.928	5.594	4.807	4.020	3.481	3.223	3.158	4.701
4.818	5.565	5.222	4.431	3.661	3.154	2.933	2.884	5.418
5.581	5.308	4.953	4.143	3.376	2.885	2.683	2.644	6.187
6.182	5.174	4.805	3.975	3.203	2.719	2.524	2.487	6.792
7.017	5.059	4.668	3.802	3.016	2.535	2.346	2.310	7.634
7.664	5.013	4.602	3.705	2.904	2.421	2.234	2.199	8.286
8.550	4.996	4.556	3.609	2.783	2.294	2.110	2.075	9.179
9.230	5.011	4.547	3.558	2.709	2.215	2.031	1.996	9.863
10.152	5.064	4.564	3.514	2.631	2.126	1.941	1.907	10.793
10.855	5.123	4.596	3.496	2.583	2.070	1.884	1.849	11.500
11.804	5.225	4.659	3.489	2.533	2.007	1.820	1.785	12.457
12.766	5.347	4.741	3.498	2.495	1.954	1.766	1.731	13.426
13.495	5.450	4.814	3.513	2.474	1.920	1.731	1.697	14.160
14.476	5.598	4.923	3.545	2.452	1.880	1.691	1.657	15.148
15.217	5.716	5.012	3.575	2.441	1.855	1.665	1.632	15.896
16.214	5.879	5.138	3.623	2.431	1.826	1.634	1.603	16.900
16.967	6.003	5.236	3.663	2.428	1.806	1.614	1.585	17.658
17.978	6.170	5.370	3.723	2.427	1.784	1.591	1.563	18.677
18.741	6.293	5.471	3.771	2.430	1.769	1.576	1.550	19.446
19.766	6.453	5.607	3.839	2.436	1.752	1.558	1.534	20.479
20.541	6.568	5.706	3.892	2.443	1.741	1.546	1.524	21.259
21.582	6.713	5.836	3.965	2.455	1.727	1.532	1.513	22.307
22.634	6.848	5.961	4.040	2.469	1.716	1.519	1.503	23.368
23.432	6.942	6.050	4.097	2.482	1.708	1.511	1.497	24.172
24.511	7.057	6.163	4.172	2.500	1.699	1.501	1.491	25.259
25.334	7.134	6.243	4.229	2.515	1.693	1.494	1.487	26.088
26.454	7.225	6.343	4.303	2.538	1.686	1.486	1.482	27.216
27.314	7.283	6.413	4.358	2.556	1.681	1.480	1.480	28.083
28.494	7.346	6.499	4.431	2.581	1.676	1.473	1.478	29.272
29.408	7.381	6.556	4.483	2.602	1.673	1.468	1.477	30.193
30.672	7.412	6.623	4.552	2.631	1.670	1.462	1.476	31.466
31.995	7.423	6.677	4.618	2.662	1.668	1.456	1.476	32.799
33.032	7.422	6.707	4.666	2.687	1.667	1.452	1.476	33.844
34.480	7.409	6.732	4.728	2.720	1.667	1.447	1.477	35.303
35.622	7.396	6.740	4.772	2.746	1.668	1.443	1.478	36.453
37.226	7.375	6.736	4.828	2.782	1.671	1.438	1.480	38.069

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
38.496	7.361	6.726	4.868	2.809	1.674	1.434	1.482	39.349
40.289	7.342	6.705	4.918	2.845	1.680	1.430	1.484	41.155
41.707	7.329	6.688	4.952	2.871	1.685	1.426	1.485	42.584
43.663	7.315	6.666	4.993	2.905	1.694	1.422	1.487	44.554
45.177	7.305	6.651	5.018	2.929	1.701	1.420	1.488	46.081
47.265	7.293	6.633	5.043	2.959	1.712	1.416	1.489	48.184
49.435	7.282	6.618	5.059	2.986	1.725	1.414	1.490	50.370
51.117	7.275	6.608	5.065	3.005	1.735	1.412	1.490	52.065
53.438	7.267	6.597	5.067	3.029	1.748	1.411	1.490	54.403
55.237	7.262	6.590	5.066	3.046	1.759	1.411	1.490	56.216
57.717	7.258	6.581	5.061	3.068	1.774	1.410	1.489	58.715
59.640	7.255	6.575	5.055	3.084	1.785	1.411	1.489	60.652
62.290	7.254	6.569	5.047	3.106	1.800	1.412	1.487	63.322
64.345	7.253	6.565	5.039	3.123	1.811	1.413	1.486	65.392
67.175	7.253	6.562	5.029	3.145	1.825	1.415	1.484	68.244
70.114	7.253	6.559	5.018	3.166	1.839	1.417	1.482	71.205
72.392	7.253	6.558	5.009	3.182	1.849	1.419	1.481	73.500
75.531	7.253	6.557	4.998	3.201	1.861	1.422	1.479	76.662
77.964	7.254	6.556	4.989	3.215	1.869	1.425	1.478	79.113
81.316	7.255	6.556	4.978	3.231	1.880	1.429	1.476	82.491
83.914	7.257	6.556	4.970	3.242	1.886	1.432	1.474	85.108
87.494	7.259	6.555	4.959	3.254	1.895	1.436	1.472	88.715
90.268	7.261	6.555	4.951	3.262	1.900	1.439	1.471	91.510
94.090	7.264	6.555	4.941	3.270	1.907	1.443	1.469	95.361
97.053	7.266	6.556	4.934	3.275	1.911	1.446	1.468	98.346
101.136	7.269	6.556	4.924	3.280	1.916	1.451	1.466	102.459
105.375	7.272	6.557	4.916	3.284	1.921	1.455	1.465	106.730
108.661	7.274	6.557	4.910	3.285	1.925	1.458	1.464	110.041
113.190	7.278	6.558	4.902	3.286	1.930	1.462	1.463	114.604
116.700	7.280	6.559	4.897	3.286	1.934	1.465	1.462	118.141
121.539	7.283	6.561	4.890	3.285	1.939	1.469	1.461	123.015
125.290	7.285	6.562	4.885	3.284	1.943	1.472	1.461	126.794
130.459	7.288	6.563	4.879	3.282	1.949	1.476	1.460	132.003
134.467	7.290	6.565	4.875	3.279	1.953	1.479	1.460	136.041
139.992	7.292	6.566	4.870	3.276	1.959	1.482	1.460	141.608
145.732	7.294	6.568	4.866	3.272	1.965	1.485	1.460	147.390
150.182	7.296	6.569	4.863	3.269	1.969	1.487	1.460	151.873
156.317	7.297	6.571	4.860	3.264	1.974	1.490	1.460	158.055
161.074	7.298	6.572	4.857	3.260	1.978	1.492	1.461	162.848
167.634	7.300	6.574	4.855	3.255	1.983	1.494	1.461	169.456
172.720	7.300	6.575	4.854	3.251	1.987	1.496	1.461	174.581
179.734	7.301	6.577	4.852	3.246	1.992	1.498	1.462	181.648
185.174	7.301	6.578	4.852	3.242	1.995	1.499	1.462	187.128
192.674	7.301	6.579	4.851	3.236	1.999	1.500	1.463	194.685
200.468	7.301	6.580	4.852	3.231	2.003	1.502	1.463	202.538

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	25.854	24.731	21.870	18.418	15.437	13.519	12.870	1.434
1.062	23.430	22.407	19.801	16.679	14.007	12.302	11.728	1.634
1.266	22.041	21.068	18.602	15.676	13.202	11.640	11.116	1.839
1.590	20.055	19.160	16.916	14.294	12.114	10.757	10.304	2.166
1.979	18.017	17.195	15.157	12.831	10.951	9.816	9.444	2.558
2.558	15.633	14.882	13.051	11.060	9.539	8.680	8.413	3.141
3.096	14.013	13.303	11.598	9.801	8.481	7.785	7.584	3.683
3.695	12.694	12.002	10.368	8.710	7.545	6.965	6.810	4.287
4.352	11.670	10.978	9.371	7.791	6.738	6.258	6.143	4.949
5.241	10.745	10.032	8.416	6.885	5.907	5.506	5.427	5.845
5.998	10.233	9.493	7.842	6.321	5.377	5.004	4.936	6.606
6.784	9.882	9.104	7.401	5.872	4.946	4.589	4.525	7.399
7.595	9.661	8.836	7.065	5.513	4.594	4.249	4.187	8.215
8.630	9.530	8.636	6.757	5.163	4.241	3.902	3.842	9.259
9.471	9.520	8.561	6.582	4.942	4.014	3.675	3.615	10.106
10.317	9.578	8.549	6.457	4.763	3.824	3.484	3.422	10.959
11.167	9.693	8.588	6.372	4.617	3.664	3.324	3.260	11.815
12.228	9.899	8.695	6.313	4.471	3.497	3.157	3.092	12.883
13.073	10.107	8.819	6.297	4.378	3.384	3.045	2.981	13.735
13.912	10.348	8.971	6.302	4.303	3.287	2.947	2.884	14.581
14.744	10.618	9.148	6.326	4.242	3.202	2.862	2.801	15.419
15.772	10.994	9.401	6.378	4.182	3.111	2.771	2.711	16.454
16.583	11.321	9.625	6.435	4.144	3.048	2.707	2.650	17.271
17.383	11.666	9.867	6.503	4.116	2.992	2.651	2.595	18.077
18.172	12.024	10.124	6.582	4.094	2.942	2.600	2.547	18.872
19.144	12.480	10.463	6.694	4.075	2.887	2.544	2.494	19.851
19.910	12.845	10.743	6.792	4.066	2.847	2.505	2.456	20.623
20.667	13.205	11.029	6.899	4.062	2.812	2.469	2.423	21.387
21.417	13.555	11.317	7.011	4.061	2.779	2.436	2.392	22.142
22.347	13.971	11.676	7.161	4.066	2.743	2.399	2.359	23.079
23.087	14.282	11.958	7.287	4.074	2.716	2.372	2.335	23.824
23.825	14.571	12.235	7.418	4.084	2.691	2.347	2.313	24.568
24.565	14.833	12.503	7.554	4.097	2.668	2.323	2.294	25.313
25.495	15.119	12.824	7.729	4.118	2.641	2.296	2.272	26.250
26.248	15.311	13.066	7.874	4.137	2.621	2.276	2.256	27.009
27.011	15.467	13.292	8.022	4.159	2.602	2.257	2.242	27.777
27.787	15.585	13.499	8.173	4.183	2.584	2.239	2.228	28.560
28.783	15.678	13.728	8.366	4.218	2.562	2.217	2.214	29.563
29.604	15.711	13.882	8.522	4.248	2.546	2.200	2.203	30.390
30.451	15.708	14.007	8.680	4.282	2.530	2.184	2.193	31.243
31.328	15.677	14.100	8.840	4.319	2.515	2.168	2.184	32.127
32.474	15.605	14.167	9.039	4.369	2.497	2.148	2.174	33.282
33.434	15.530	14.181	9.198	4.414	2.483	2.132	2.167	34.249
34.429	15.448	14.163	9.355	4.462	2.471	2.116	2.161	35.252
35.465	15.363	14.116	9.507	4.513	2.458	2.100	2.155	36.295

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTAC. = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
36.826	15.258	14.025	9.688	4.583	2.445	2.079	2.148	37.667
37.977	15.182	13.935	9.824	4.643	2.435	2.062	2.143	38.826
39.189	15.116	13.834	9.948	4.708	2.427	2.045	2.139	40.047
40.471	15.061	13.730	10.056	4.776	2.420	2.027	2.134	41.339
42.186	15.007	13.605	10.161	4.867	2.415	2.005	2.129	43.067
43.658	14.975	13.514	10.217	4.944	2.413	1.986	2.124	44.550
45.231	14.952	13.438	10.246	5.026	2.413	1.967	2.119	46.135
46.914	14.936	13.377	10.246	5.110	2.417	1.947	2.114	47.830
49.169	14.926	13.324	10.212	5.221	2.426	1.923	2.105	50.102
51.101	14.923	13.298	10.164	5.312	2.437	1.905	2.097	52.048
53.157	14.924	13.283	10.105	5.405	2.453	1.887	2.088	54.120
55.296	14.928	13.279	10.041	5.498	2.472	1.870	2.078	56.275
58.071	14.934	13.283	9.964	5.611	2.501	1.852	2.064	59.071
60.374	14.938	13.290	9.906	5.696	2.527	1.839	2.052	61.391
62.754	14.941	13.299	9.853	5.774	2.556	1.828	2.039	63.789
65.213	14.943	13.309	9.805	5.844	2.586	1.819	2.027	66.267
68.403	14.944	13.323	9.752	5.917	2.627	1.810	2.011	69.481
71.052	14.944	13.333	9.714	5.964	2.660	1.804	1.998	72.150
73.790	14.945	13.341	9.681	6.001	2.694	1.799	1.985	74.908
76.620	14.947	13.348	9.652	6.029	2.728	1.796	1.972	77.760
80.293	14.951	13.353	9.620	6.053	2.770	1.793	1.956	81.460
83.344	14.955	13.355	9.598	6.064	2.802	1.792	1.944	84.534
86.499	14.959	13.355	9.578	6.071	2.832	1.793	1.933	87.712
89.761	14.965	13.355	9.560	6.073	2.862	1.794	1.921	90.999
93.995	14.972	13.354	9.540	6.070	2.897	1.797	1.908	95.265
97.513	14.979	13.353	9.526	6.064	2.923	1.800	1.898	98.809
101.151	14.986	13.352	9.513	6.055	2.948	1.804	1.888	102.475
104.913	14.992	13.352	9.501	6.044	2.971	1.809	1.879	106.265
109.798	15.001	13.352	9.487	6.027	2.999	1.817	1.868	111.186
113.856	15.007	13.353	9.478	6.011	3.019	1.823	1.860	115.275
118.053	15.013	13.354	9.469	5.995	3.038	1.830	1.853	119.504
122.395	15.018	13.356	9.461	5.978	3.056	1.838	1.846	123.878
128.033	15.024	13.359	9.452	5.956	3.077	1.848	1.838	129.559
132.719	15.028	13.363	9.446	5.938	3.093	1.856	1.832	134.279
137.567	15.031	13.366	9.441	5.921	3.108	1.865	1.827	139.164
142.582	15.034	13.370	9.436	5.904	3.122	1.873	1.823	144.217
149.097	15.036	13.375	9.432	5.882	3.138	1.883	1.818	150.781
154.513	15.038	13.379	9.430	5.866	3.150	1.891	1.814	156.238
160.118	15.039	13.382	9.428	5.850	3.161	1.898	1.811	161.884
165.918	15.039	13.386	9.428	5.834	3.171	1.906	1.809	167.728
173.454	15.039	13.390	9.429	5.814	3.182	1.914	1.806	175.321
179.720	15.038	13.392	9.431	5.799	3.190	1.920	1.805	181.634
186.205	15.038	13.395	9.434	5.784	3.197	1.926	1.803	188.168
192.917	15.036	13.396	9.438	5.770	3.203	1.931	1.802	194.930
201.638	15.035	13.398	9.444	5.753	3.209	1.937	1.802	203.716

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	45.328	43.348	38.303	32.225	26.982	23.612	22.472	1.435
1.061	41.076	39.273	34.684	29.189	24.491	21.494	20.486	1.633
1.338	37.724	36.049	31.811	26.800	22.579	19.923	19.034	1.912
1.770	33.199	31.699	27.954	23.629	20.081	17.902	17.180	2.347
2.187	29.616	28.258	24.859	21.039	18.015	16.227	15.653	2.768
2.801	25.638	24.368	21.303	18.023	15.571	14.234	13.832	3.386
3.513	22.414	21.215	18.373	15.462	13.388	12.338	12.050	4.103
4.147	20.431	19.244	16.478	13.744	11.899	11.037	10.822	4.742
5.007	18.598	17.391	14.644	12.028	10.349	9.651	9.510	5.609
5.929	17.344	16.086	13.290	10.720	9.131	8.508	8.397	6.537
6.698	16.664	15.348	12.476	9.905	8.356	7.766	7.663	7.312
7.688	16.128	14.716	11.711	9.109	7.582	7.018	6.921	8.310
8.698	15.865	14.337	11.161	8.498	6.974	6.421	6.326	9.327
9.512	15.811	14.176	10.838	8.109	6.580	6.028	5.931	10.148
10.533	15.897	14.115	10.549	7.718	6.174	5.623	5.521	11.176
11.551	16.118	14.178	10.359	7.411	5.843	5.293	5.189	12.201
12.358	16.371	14.298	10.265	7.211	5.621	5.072	4.968	13.014
13.354	16.770	14.518	10.203	7.008	5.384	4.837	4.734	14.018
14.333	17.255	14.805	10.192	6.845	5.185	4.638	4.538	15.005
15.292	17.820	15.152	10.222	6.715	5.015	4.469	4.371	15.971
16.043	18.326	15.471	10.270	6.630	4.897	4.351	4.255	16.727
16.960	19.017	15.917	10.357	6.543	4.768	4.222	4.129	17.651
17.853	19.761	16.412	10.470	6.475	4.656	4.109	4.019	18.551
18.550	20.384	16.839	10.577	6.432	4.576	4.030	3.942	19.254
19.402	21.181	17.403	10.730	6.389	4.486	3.940	3.856	20.112
20.234	21.985	17.994	10.902	6.359	4.407	3.861	3.780	20.949
20.885	22.622	18.481	11.052	6.341	4.349	3.804	3.726	21.606
21.685	23.398	19.099	11.254	6.327	4.283	3.739	3.665	22.412
22.472	24.139	19.722	11.472	6.320	4.223	3.680	3.611	23.205
23.094	24.697	20.219	11.656	6.320	4.178	3.637	3.572	23.832
23.866	25.342	20.832	11.898	6.325	4.127	3.587	3.527	24.609
24.633	25.918	21.429	12.153	6.335	4.079	3.541	3.487	25.382
25.246	26.322	21.892	12.366	6.347	4.042	3.506	3.458	26.000
26.016	26.751	22.443	12.642	6.367	3.999	3.465	3.424	26.776
26.793	27.087	22.959	12.931	6.391	3.959	3.426	3.393	27.558
27.423	27.287	23.340	13.171	6.413	3.928	3.396	3.369	28.192
28.223	27.449	23.769	13.481	6.446	3.890	3.360	3.342	28.999
29.044	27.517	24.137	13.802	6.483	3.853	3.326	3.316	29.826
29.890	27.498	24.435	14.136	6.525	3.817	3.292	3.292	30.678
30.588	27.428	24.616	14.410	6.562	3.789	3.265	3.274	31.382
31.494	27.282	24.764	14.763	6.614	3.755	3.232	3.253	32.294
32.433	27.087	24.823	15.123	6.672	3.720	3.199	3.233	33.240
33.207	26.908	24.808	15.412	6.722	3.694	3.173	3.218	34.020
34.208	26.670	24.715	15.772	6.791	3.661	3.140	3.200	35.029
35.254	26.433	24.551	16.126	6.867	3.628	3.106	3.183	36.083

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
36.129	26.255	24.376	16.402	6.934	3.602	3.079	3.171	36.964
37.276	26.058	24.115	16.731	7.027	3.571	3.044	3.156	38.120
38.494	25.898	23.826	17.030	7.130	3.541	3.007	3.141	39.347
39.525	25.798	23.590	17.240	7.222	3.518	2.976	3.130	40.386
40.897	25.707	23.307	17.452	7.348	3.492	2.936	3.117	41.768
42.368	25.651	23.056	17.593	7.491	3.468	2.894	3.103	43.250
43.599	25.630	22.893	17.650	7.614	3.452	2.860	3.092	44.490
45.207	25.623	22.737	17.650	7.780	3.436	2.816	3.078	46.110
46.906	25.629	22.634	17.579	7.962	3.424	2.771	3.062	47.822
48.713	25.643	22.580	17.451	8.160	3.419	2.726	3.045	49.643
50.250	25.657	22.566	17.318	8.331	3.419	2.690	3.030	51.191
52.304	25.677	22.575	17.127	8.560	3.427	2.647	3.009	53.261
54.531	25.699	22.603	16.927	8.802	3.443	2.604	2.985	55.505
56.456	25.716	22.634	16.769	9.000	3.463	2.571	2.964	57.444
59.068	25.729	22.680	16.586	9.244	3.496	2.531	2.934	60.075
61.833	25.732	22.732	16.432	9.463	3.539	2.495	2.900	62.861
64.123	25.729	22.775	16.332	9.611	3.578	2.469	2.872	65.169
67.087	25.720	22.821	16.232	9.756	3.633	2.440	2.835	68.155
70.170	25.712	22.858	16.154	9.859	3.694	2.416	2.798	71.261
72.724	25.708	22.877	16.105	9.915	3.747	2.399	2.770	73.834
76.033	25.708	22.888	16.054	9.956	3.818	2.381	2.735	77.168
79.476	25.714	22.889	16.012	9.976	3.894	2.366	2.700	80.636
82.330	25.721	22.885	15.984	9.979	3.956	2.356	2.673	83.512
86.028	25.732	22.875	15.953	9.971	4.036	2.346	2.639	87.238
89.877	25.745	22.865	15.927	9.949	4.116	2.338	2.608	91.116
93.068	25.758	22.857	15.910	9.923	4.179	2.333	2.583	94.330
97.201	25.774	22.847	15.892	9.880	4.256	2.330	2.554	98.495
101.503	25.791	22.839	15.878	9.828	4.329	2.328	2.526	102.829
105.978	25.807	22.834	15.864	9.772	4.396	2.329	2.500	107.338
109.689	25.818	22.832	15.854	9.727	4.445	2.331	2.480	111.077
114.497	25.830	22.833	15.842	9.672	4.500	2.335	2.456	115.921
119.502	25.839	22.838	15.830	9.621	4.550	2.341	2.434	120.963
123.652	25.845	22.844	15.820	9.582	4.586	2.347	2.417	125.145
129.031	25.851	22.852	15.810	9.537	4.626	2.356	2.398	130.564
134.632	25.856	22.862	15.800	9.494	4.661	2.367	2.379	136.207
139.278	25.858	22.870	15.795	9.461	4.687	2.377	2.366	140.888
145.302	25.860	22.880	15.789	9.421	4.716	2.390	2.350	146.957
151.575	25.861	22.889	15.786	9.383	4.741	2.403	2.335	153.277
156.781	25.861	22.896	15.786	9.353	4.760	2.414	2.324	158.522
163.531	25.861	22.904	15.787	9.316	4.780	2.429	2.312	165.323
170.562	25.860	22.911	15.791	9.281	4.797	2.443	2.301	172.406
176.396	25.859	22.916	15.796	9.253	4.808	2.454	2.292	178.285
183.963	25.857	22.920	15.804	9.221	4.820	2.468	2.283	185.908
191.844	25.855	22.923	15.814	9.190	4.830	2.480	2.275	193.848
200.052	25.853	22.925	15.826	9.160	4.838	2.493	2.267	202.119

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.864	70.370	67.282	59.435	49.977	41.826	36.604	34.829	1.435
1.061	63.764	60.959	53.818	45.274	37.968	33.314	31.745	1.633
1.337	58.506	55.903	49.317	41.532	34.977	30.852	29.470	1.911
1.767	51.424	49.094	43.283	36.574	31.072	27.687	26.566	2.344
2.296	44.480	42.411	37.265	31.541	27.065	24.447	23.615	2.877
2.927	38.477	36.547	31.902	26.962	23.304	21.338	20.756	3.512
3.652	33.677	31.838	27.502	23.103	20.009	18.464	18.047	4.244
4.463	30.121	28.292	24.075	19.970	17.263	16.063	15.787	5.060
5.342	27.605	25.730	21.508	17.551	15.052	14.049	13.863	5.946
6.274	25.896	23.933	19.617	15.708	13.329	12.414	12.257	6.885
7.242	24.802	22.713	18.232	14.307	11.986	11.125	10.979	7.860
8.232	24.177	21.928	17.220	13.233	10.934	10.100	9.961	8.857
9.233	23.916	21.476	16.489	12.399	10.102	9.276	9.135	9.866
10.236	23.937	21.281	15.969	11.745	9.435	8.611	8.462	10.877
11.235	24.173	21.286	15.611	11.227	8.891	8.071	7.917	11.883
12.223	24.574	21.441	15.380	10.814	8.442	7.626	7.471	12.878
13.194	25.115	21.715	15.245	10.482	8.067	7.254	7.102	13.857
14.146	25.786	22.089	15.187	10.214	7.752	6.940	6.790	14.816
15.075	26.584	22.554	15.190	9.996	7.483	6.672	6.525	15.752
15.978	27.502	23.106	15.243	9.818	7.252	6.442	6.298	16.662
16.855	28.528	23.742	15.339	9.674	7.052	6.243	6.102	17.545
17.705	29.643	24.454	15.473	9.556	6.878	6.069	5.932	18.402
18.529	30.825	25.234	15.640	9.462	6.725	5.917	5.784	19.232
19.329	32.051	26.070	15.838	9.387	6.589	5.783	5.654	20.038
20.106	33.296	26.952	16.064	9.328	6.467	5.663	5.539	20.821
20.863	34.537	27.869	16.315	9.284	6.357	5.556	5.437	21.583
21.602	35.752	28.809	16.589	9.251	6.258	5.459	5.346	22.328
22.325	36.921	29.763	16.884	9.230	6.167	5.372	5.265	23.057
23.036	38.024	30.720	17.200	9.217	6.083	5.292	5.192	23.773
23.738	39.044	31.670	17.535	9.213	6.006	5.218	5.125	24.480
24.433	39.964	32.603	17.889	9.217	5.933	5.149	5.065	25.180
25.125	40.770	33.510	18.260	9.227	5.866	5.085	5.009	25.877
25.816	41.450	34.380	18.650	9.242	5.801	5.024	4.958	26.574
26.511	41.996	35.202	19.058	9.264	5.740	4.967	4.911	27.274
27.212	42.402	35.966	19.485	9.291	5.682	4.912	4.866	27.980
27.923	42.665	36.659	19.931	9.324	5.625	4.859	4.823	28.697
28.649	42.791	37.269	20.398	9.361	5.570	4.807	4.783	29.428
29.393	42.786	37.781	20.886	9.405	5.516	4.757	4.745	30.177
30.160	42.660	38.182	21.395	9.454	5.463	4.708	4.708	30.950
30.954	42.427	38.461	21.927	9.509	5.410	4.658	4.673	31.751
31.774	42.110	38.609	22.474	9.570	5.358	4.610	4.640	32.577
32.616	41.734	38.625	23.032	9.637	5.306	4.562	4.608	33.425
33.484	41.324	38.512	23.596	9.711	5.254	4.514	4.578	34.300
34.386	40.909	38.280	24.163	9.793	5.202	4.466	4.550	35.208
35.327	40.515	37.942	24.726	9.884	5.150	4.416	4.523	36.156

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
36.112	40.230	37.607	25.168	9.965	5.109	4.376	4.502	36.947
37.140	39.922	37.132	25.697	10.078	5.057	4.324	4.477	37.982
38.227	39.677	36.622	26.185	10.205	5.005	4.270	4.454	39.078
39.383	39.497	36.112	26.610	10.350	4.955	4.214	4.431	40.243
40.616	39.382	35.633	26.946	10.516	4.906	4.155	4.410	41.485
41.901	39.330	35.225	27.171	10.701	4.861	4.093	4.389	42.779
43.232	39.323	34.900	27.273	10.906	4.819	4.031	4.368	44.121
44.621	39.342	34.661	27.255	11.134	4.783	3.966	4.347	45.520
46.078	39.376	34.509	27.130	11.388	4.752	3.899	4.325	46.988
47.618	39.416	34.434	26.914	11.673	4.729	3.832	4.300	48.539
49.253	39.459	34.424	26.627	11.989	4.713	3.764	4.274	50.187
51.003	39.505	34.462	26.294	12.339	4.705	3.697	4.245	51.950
52.886	39.552	34.531	25.941	12.721	4.707	3.630	4.212	53.847
54.926	39.597	34.618	25.590	13.125	4.719	3.563	4.174	55.902
57.148	39.626	34.714	25.261	13.537	4.742	3.497	4.130	58.141
59.579	39.632	34.816	24.969	13.935	4.777	3.433	4.080	60.591
62.242	39.613	34.923	24.728	14.294	4.826	3.372	4.025	63.273
65.040	39.585	35.025	24.552	14.582	4.886	3.318	3.965	66.093
67.946	39.558	35.103	24.427	14.787	4.955	3.270	3.903	69.020
70.966	39.540	35.151	24.338	14.918	5.036	3.227	3.840	72.062
74.103	39.535	35.169	24.270	14.991	5.127	3.189	3.779	75.224
77.365	39.540	35.162	24.216	15.021	5.231	3.157	3.720	78.510
80.756	39.552	35.140	24.170	15.022	5.346	3.130	3.662	81.926
84.281	39.569	35.114	24.133	14.995	5.469	3.106	3.606	85.478
87.946	39.592	35.088	24.105	14.943	5.597	3.086	3.551	89.170
91.754	39.620	35.062	24.085	14.863	5.730	3.068	3.498	93.007
95.713	39.651	35.039	24.072	14.761	5.863	3.054	3.447	96.995
99.826	39.680	35.020	24.061	14.645	5.993	3.042	3.399	101.140
104.101	39.705	35.008	24.050	14.526	6.115	3.033	3.353	105.447
108.544	39.725	35.004	24.038	14.417	6.227	3.027	3.309	109.923
113.163	39.740	35.008	24.022	14.319	6.328	3.023	3.267	114.577
117.964	39.751	35.018	24.006	14.233	6.418	3.021	3.227	119.414
122.956	39.759	35.032	23.990	14.154	6.498	3.021	3.189	124.444
128.147	39.765	35.049	23.975	14.082	6.568	3.025	3.154	129.674
133.546	39.769	35.066	23.963	14.013	6.628	3.031	3.120	135.113
139.162	39.771	35.083	23.953	13.947	6.680	3.039	3.088	140.771
145.004	39.771	35.101	23.946	13.885	6.725	3.050	3.059	146.657
151.082	39.771	35.117	23.942	13.825	6.763	3.063	3.031	152.781
157.406	39.771	35.131	23.940	13.767	6.795	3.077	3.005	159.152
163.985	39.770	35.142	23.943	13.712	6.822	3.093	2.981	165.781
170.831	39.769	35.151	23.950	13.659	6.844	3.109	2.959	172.677
177.953	39.768	35.158	23.960	13.609	6.863	3.126	2.938	179.853
185.363	39.765	35.163	23.975	13.561	6.879	3.143	2.919	187.319
193.072	39.763	35.166	23.993	13.514	6.890	3.161	2.901	195.086
201.093	39.759	35.167	24.015	13.470	6.897	3.179	2.885	203.167

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.865	100.967	96.534	85.257	71.674	59.966	52.464	49.913	1.435
1.124	89.617	85.650	75.574	63.572	53.360	46.867	44.685	1.696
1.414	81.913	78.254	69.026	58.162	49.047	43.325	41.414	1.988
1.863	71.647	68.379	60.253	50.925	43.332	38.700	37.175	2.440
2.411	61.841	58.906	51.688	43.754	37.622	34.093	32.983	2.993
3.059	53.500	50.783	44.256	37.368	32.310	29.634	28.857	3.646
3.800	46.944	44.329	38.186	32.014	27.733	25.635	25.081	4.392
4.795	41.338	38.713	32.720	26.978	23.266	21.697	21.369	5.395
5.693	38.183	35.471	29.426	23.844	20.376	19.014	18.773	6.300
6.635	36.067	33.212	27.001	21.456	18.127	16.870	16.655	7.249
7.607	34.742	31.692	25.220	19.635	16.369	15.176	14.977	8.228
8.595	34.023	30.730	23.917	18.229	14.988	13.821	13.628	9.223
9.589	33.775	30.199	22.972	17.130	13.889	12.730	12.529	10.225
10.779	33.944	29.993	22.192	16.112	12.843	11.690	11.477	11.424
11.761	34.374	30.089	21.765	15.451	12.142	10.996	10.780	12.413
12.726	35.011	30.367	21.491	14.920	11.559	10.419	10.204	13.386
13.672	35.835	30.792	21.337	14.489	11.070	9.933	9.722	14.339
14.595	36.841	31.349	21.276	14.137	10.655	9.519	9.312	15.268
15.492	38.027	32.032	21.291	13.849	10.299	9.165	8.961	16.172
16.361	39.380	32.836	21.370	13.611	9.993	8.860	8.659	17.048
17.368	41.194	33.952	21.537	13.382	9.676	8.546	8.350	18.062
18.176	42.832	34.996	21.729	13.228	9.448	8.320	8.129	18.876
18.958	44.551	36.128	21.965	13.103	9.246	8.121	7.935	19.665
19.716	46.319	37.334	22.240	13.002	9.065	7.944	7.764	20.428
20.452	48.103	38.600	22.552	12.922	8.902	7.786	7.613	21.170
21.168	49.873	39.910	22.896	12.860	8.755	7.643	7.478	21.890
22.003	51.935	41.521	23.349	12.806	8.595	7.490	7.334	22.733
22.684	53.571	42.881	23.758	12.776	8.473	7.374	7.228	23.418
23.353	55.103	44.241	24.192	12.757	8.361	7.268	7.131	24.092
24.013	56.510	45.589	24.652	12.749	8.256	7.169	7.043	24.757
24.666	57.770	46.912	25.137	12.749	8.158	7.076	6.962	25.415
25.316	58.865	48.197	25.647	12.758	8.066	6.989	6.886	26.070
26.096	59.943	49.669	26.291	12.778	7.961	6.891	6.803	26.856
26.749	60.632	50.820	26.857	12.802	7.878	6.813	6.738	27.514
27.408	61.127	51.887	27.450	12.833	7.798	6.738	6.676	28.178
28.077	61.428	52.852	28.072	12.870	7.721	6.665	6.617	28.851
28.759	61.539	53.699	28.724	12.914	7.645	6.594	6.560	29.539
29.458	61.471	54.409	29.407	12.963	7.570	6.525	6.506	30.243
30.178	61.235	54.964	30.124	13.020	7.497	6.456	6.453	30.968
31.074	60.756	55.403	31.028	13.096	7.408	6.375	6.392	31.871
31.840	60.236	55.568	31.807	13.167	7.335	6.308	6.345	32.643
32.626	59.642	55.544	32.602	13.245	7.262	6.242	6.299	33.435
33.436	59.013	55.340	33.412	13.331	7.189	6.177	6.256	34.251
34.276	58.387	54.964	34.231	13.426	7.115	6.110	6.215	35.097
35.149	57.799	54.435	35.050	13.533	7.041	6.043	6.176	35.977

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
36.252	57.180	53.641	36.017	13.678	6.950	5.960	6.131	37.088
37.224	56.757	52.890	36.787	13.817	6.874	5.889	6.096	38.067
38.251	56.429	52.107	37.497	13.976	6.798	5.815	6.062	39.102
39.341	56.200	51.338	38.115	14.159	6.722	5.737	6.031	40.200
40.487	56.070	50.633	38.601	14.368	6.648	5.656	6.001	41.355
41.665	56.030	50.041	38.926	14.600	6.578	5.573	5.973	42.542
43.131	56.052	49.486	39.086	14.915	6.501	5.470	5.939	44.019
44.405	56.109	49.163	39.036	15.214	6.443	5.381	5.911	45.303
45.738	56.178	48.961	38.835	15.553	6.392	5.290	5.881	46.645
47.140	56.252	48.871	38.504	15.934	6.350	5.197	5.848	48.058
48.624	56.328	48.875	38.071	16.365	6.317	5.103	5.814	49.553
50.204	56.406	48.948	37.567	16.848	6.293	5.009	5.775	51.145
51.897	56.486	49.068	37.028	17.382	6.280	4.914	5.732	52.851
54.106	56.574	49.247	36.377	18.079	6.280	4.799	5.672	55.076
56.117	56.624	49.407	35.866	18.688	6.294	4.704	5.612	57.103
58.311	56.638	49.574	35.410	19.293	6.322	4.610	5.544	59.313
60.714	56.610	49.744	35.029	19.860	6.364	4.519	5.468	61.734
63.351	56.552	49.910	34.734	20.351	6.423	4.432	5.384	64.391
66.139	56.494	50.055	34.531	20.726	6.497	4.353	5.295	67.199
69.624	56.446	50.163	34.378	21.013	6.605	4.268	5.182	70.711
72.653	56.430	50.190	34.292	21.143	6.713	4.207	5.086	73.762
75.799	56.433	50.174	34.225	21.202	6.840	4.153	4.997	76.932
79.069	56.447	50.132	34.169	21.208	6.986	4.106	4.910	80.226
82.466	56.470	50.081	34.124	21.169	7.150	4.065	4.826	83.649
85.996	56.505	50.032	34.093	21.083	7.328	4.030	4.743	87.205
90.412	56.558	49.976	34.072	20.918	7.555	3.993	4.646	91.655
94.248	56.607	49.934	34.065	20.733	7.753	3.966	4.569	95.520
98.232	56.652	49.901	34.061	20.528	7.950	3.943	4.496	99.533
102.369	56.689	49.880	34.054	20.328	8.140	3.923	4.427	103.702
106.666	56.717	49.873	34.041	20.150	8.317	3.906	4.360	108.031
111.129	56.737	49.879	34.021	19.999	8.480	3.892	4.296	112.528
115.766	56.751	49.896	34.000	19.867	8.626	3.879	4.233	117.200
121.570	56.763	49.924	33.974	19.725	8.782	3.868	4.162	123.047
126.615	56.768	49.949	33.955	19.616	8.894	3.862	4.107	128.130
131.859	56.770	49.976	33.938	19.514	8.990	3.860	4.054	133.413
137.311	56.771	50.004	33.923	19.418	9.072	3.862	4.005	138.906
142.979	56.770	50.030	33.911	19.327	9.141	3.867	3.958	144.616
148.871	56.769	50.055	33.902	19.240	9.199	3.875	3.914	150.553
156.253	56.769	50.079	33.896	19.142	9.254	3.888	3.865	157.990
162.674	56.769	50.095	33.898	19.066	9.292	3.902	3.826	164.459
169.350	56.769	50.107	33.906	18.994	9.323	3.918	3.790	171.186
176.292	56.768	50.115	33.922	18.925	9.349	3.936	3.756	178.180
183.509	56.765	50.121	33.943	18.857	9.370	3.956	3.724	185.451
191.014	56.762	50.125	33.970	18.791	9.384	3.976	3.694	193.012
200.413	56.757	50.126	34.008	18.715	9.392	4.002	3.660	202.482

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.841	2.183	2.104	1.900	1.648	1.423	1.275	1.224	1.411
.931	2.095	2.018	1.820	1.576	1.361	1.220	1.172	1.502
.980	2.089	2.012	1.814	1.572	1.358	1.218	1.170	1.551
1.145	2.071	1.994	1.796	1.555	1.344	1.207	1.161	1.718
1.271	2.062	1.985	1.787	1.547	1.338	1.203	1.157	1.845
1.486	2.039	1.963	1.767	1.532	1.32°	1.200	1.155	2.062
1.648	2.018	1.942	1.749	1.518	1.321	1.196	1.153	2.226
1.921	1.979	1.904	1.714	1.491	1.303	1.186	1.147	2.502
2.125	1.947	1.874	1.687	1.468	1.288	1.177	1.140	2.708
2.463	1.901	1.827	1.643	1.433	1.265	1.162	1.128	3.049
2.710	1.876	1.802	1.617	1.411	1.251	1.154	1.122	3.299
3.116	1.844	1.770	1.586	1.381	1.228	1.141	1.114	3.709
3.410	1.826	1.753	1.568	1.365	1.213	1.131	1.107	4.006
3.887	1.807	1.732	1.545	1.344	1.192	1.116	1.096	4.487
4.228	1.799	1.722	1.533	1.332	1.182	1.107	1.089	4.832
4.776	1.792	1.714	1.520	1.318	1.171	1.099	1.082	5.385
5.166	1.791	1.711	1.515	1.311	1.166	1.096	1.080	5.779
5.787	1.793	1.712	1.510	1.303	1.160	1.095	1.081	6.405
6.225	1.797	1.714	1.509	1.301	1.158	1.095	1.082	6.848
6.919	1.805	1.720	1.510	1.299	1.155	1.096	1.085	7.549
7.406	1.812	1.725	1.512	1.299	1.155	1.097	1.087	8.040
8.173	1.823	1.735	1.517	1.300	1.157	1.100	1.091	8.815
8.710	1.832	1.741	1.520	1.301	1.158	1.103	1.094	9.357
9.552	1.844	1.752	1.527	1.305	1.161	1.108	1.100	10.207
10.138	1.852	1.759	1.531	1.307	1.164	1.112	1.104	10.800
11.056	1.864	1.769	1.538	1.311	1.168	1.117	1.110	11.726
11.693	1.872	1.776	1.543	1.314	1.170	1.121	1.115	12.370
12.687	1.883	1.786	1.549	1.318	1.174	1.127	1.121	13.374
13.376	1.890	1.792	1.554	1.321	1.177	1.130	1.125	14.070
14.449	1.899	1.801	1.560	1.325	1.181	1.136	1.131	15.153
15.192	1.905	1.806	1.564	1.328	1.183	1.139	1.135	15.903
16.346	1.913	1.814	1.570	1.332	1.187	1.143	1.140	17.068
17.143	1.918	1.818	1.574	1.334	1.189	1.146	1.143	17.873
18.381	1.925	1.824	1.579	1.338	1.192	1.150	1.147	19.123
19.235	1.929	1.828	1.582	1.340	1.194	1.152	1.150	19.986
20.560	1.934	1.833	1.586	1.343	1.197	1.155	1.153	21.324
21.473	1.937	1.837	1.589	1.346	1.198	1.157	1.155	22.246
22.889	1.942	1.841	1.593	1.348	1.201	1.159	1.157	23.676
23.865	1.945	1.844	1.595	1.350	1.202	1.161	1.159	24.661
25.377	1.948	1.847	1.599	1.353	1.204	1.163	1.161	26.188
26.419	1.950	1.849	1.601	1.354	1.206	1.164	1.162	27.240
28.033	1.953	1.852	1.604	1.357	1.207	1.166	1.163	28.870
29.144	1.955	1.854	1.605	1.358	1.209	1.166	1.164	29.993
30.867	1.957	1.857	1.608	1.360	1.210	1.168	1.165	31.732
32.054	1.959	1.858	1.609	1.361	1.211	1.168	1.166	32.931

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.893	1.960	1.860	1.612	1.363	1.212	1.169	1.167	34.788
35.161	1.961	1.862	1.613	1.364	1.213	1.170	1.167	36.068
37.126	1.963	1.863	1.615	1.366	1.215	1.171	1.168	38.053
38.481	1.964	1.864	1.616	1.367	1.215	1.171	1.169	39.421
40.584	1.965	1.866	1.618	1.368	1.216	1.172	1.169	41.545
42.034	1.965	1.866	1.619	1.369	1.217	1.173	1.170	43.009
44.286	1.966	1.867	1.620	1.370	1.218	1.173	1.170	45.283
45.840	1.966	1.868	1.621	1.371	1.219	1.173	1.170	46.853
48.255	1.967	1.869	1.623	1.372	1.219	1.174	1.171	49.291
49.922	1.967	1.870	1.623	1.372	1.220	1.174	1.171	50.974
52.513	1.968	1.870	1.625	1.373	1.221	1.175	1.171	53.590
54.302	1.968	1.871	1.625	1.374	1.221	1.175	1.171	55.398
57.085	1.968	1.871	1.627	1.375	1.222	1.175	1.172	58.207
59.007	1.968	1.872	1.627	1.375	1.222	1.176	1.172	60.149
61.997	1.968	1.872	1.628	1.376	1.223	1.176	1.172	63.168
64.063	1.968	1.872	1.629	1.376	1.223	1.176	1.172	65.254
67.276	1.969	1.873	1.630	1.377	1.224	1.176	1.172	68.499
69.498	1.969	1.873	1.630	1.377	1.224	1.177	1.172	70.742
72.952	1.969	1.873	1.631	1.377	1.224	1.177	1.172	74.231
75.341	1.969	1.873	1.632	1.378	1.225	1.177	1.172	76.643
79.056	1.969	1.873	1.633	1.378	1.225	1.177	1.173	80.395
81.625	1.969	1.874	1.633	1.379	1.225	1.177	1.173	82.989
85.620	1.969	1.874	1.634	1.379	1.225	1.178	1.173	87.024
88.383	1.969	1.874	1.634	1.379	1.226	1.178	1.173	89.813
92.680	1.969	1.874	1.635	1.380	1.226	1.178	1.173	94.153
95.652	1.970	1.874	1.635	1.380	1.226	1.178	1.173	97.154
100.275	1.970	1.874	1.635	1.381	1.226	1.178	1.173	101.822
103.471	1.970	1.874	1.635	1.381	1.227	1.178	1.173	105.050
108.444	1.970	1.874	1.636	1.381	1.227	1.178	1.173	110.072
111.883	1.970	1.874	1.636	1.382	1.227	1.178	1.173	113.544
117.233	1.970	1.874	1.636	1.382	1.227	1.179	1.173	118.947
120.932	1.970	1.874	1.636	1.383	1.227	1.179	1.173	122.683
126.688	1.971	1.874	1.636	1.383	1.227	1.179	1.173	128.495
130.668	1.971	1.874	1.636	1.384	1.227	1.179	1.173	132.514
136.860	1.971	1.874	1.636	1.384	1.227	1.179	1.173	138.767
141.142	1.971	1.874	1.636	1.384	1.228	1.179	1.173	143.091
147.805	1.971	1.874	1.636	1.385	1.228	1.179	1.173	149.819
152.412	1.971	1.874	1.636	1.385	1.228	1.179	1.173	154.471
159.580	1.971	1.874	1.636	1.386	1.228	1.179	1.173	161.710
164.537	1.972	1.874	1.635	1.386	1.228	1.179	1.173	166.715
172.249	1.972	1.874	1.635	1.386	1.228	1.180	1.173	174.504
177.583	1.972	1.874	1.635	1.386	1.228	1.180	1.173	179.890
185.881	1.972	1.874	1.635	1.387	1.228	1.180	1.173	188.270
191.620	1.972	1.874	1.635	1.387	1.228	1.180	1.173	194.065
200.549	1.972	1.874	1.635	1.387	1.228	1.180	1.173	203.082

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.853	3.603	3.460	3.094	2.646	2.253	1.997	1.910	1.424
.947	3.494	3.353	2.991	2.552	2.169	1.921	1.837	1.519
1.058	3.452	3.315	2.961	2.531	2.158	1.916	1.833	1.631
1.255	3.352	3.217	2.871	2.457	2.101	1.873	1.795	1.830
1.494	3.229	3.098	2.764	2.367	2.030	1.817	1.746	2.071
1.676	3.137	3.008	2.683	2.300	1.978	1.777	1.709	2.254
1.985	2.993	2.868	2.555	2.191	1.892	1.710	1.650	2.566
2.334	2.845	2.725	2.422	2.078	1.805	1.642	1.590	2.919
2.723	2.722	2.600	2.301	1.972	1.719	1.576	1.531	3.312
3.006	2.651	2.529	2.232	1.909	1.664	1.531	1.490	3.597
3.463	2.563	2.441	2.143	1.826	1.589	1.464	1.429	4.059
3.961	2.498	2.373	2.071	1.755	1.525	1.406	1.374	4.561
4.497	2.455	2.326	2.016	1.697	1.471	1.359	1.329	5.103
4.876	2.436	2.304	1.987	1.665	1.440	1.332	1.303	5.486
5.476	2.421	2.283	1.956	1.627	1.401	1.296	1.271	6.091
6.112	2.419	2.275	1.936	1.599	1.370	1.267	1.243	6.734
6.784	2.428	2.278	1.925	1.579	1.347	1.243	1.220	7.413
7.253	2.439	2.285	1.923	1.569	1.335	1.231	1.208	7.886
7.985	2.462	2.301	1.924	1.559	1.320	1.217	1.194	8.625
8.753	2.490	2.322	1.931	1.554	1.311	1.207	1.185	9.401
9.558	2.522	2.347	1.942	1.553	1.304	1.201	1.179	10.213
10.401	2.556	2.376	1.956	1.555	1.300	1.198	1.177	11.065
10.985	2.579	2.395	1.967	1.558	1.299	1.197	1.176	11.655
11.895	2.614	2.425	1.985	1.563	1.299	1.197	1.177	12.574
12.849	2.648	2.455	2.004	1.570	1.300	1.198	1.180	13.537
13.848	2.681	2.484	2.023	1.578	1.303	1.201	1.184	14.546
14.541	2.701	2.503	2.036	1.584	1.305	1.204	1.187	15.246
15.611	2.730	2.529	2.055	1.593	1.308	1.208	1.192	16.327
16.711	2.756	2.554	2.073	1.603	1.312	1.212	1.198	17.437
17.839	2.780	2.576	2.090	1.612	1.317	1.217	1.204	18.576
18.607	2.794	2.590	2.101	1.618	1.319	1.220	1.208	19.352
19.784	2.812	2.608	2.116	1.627	1.324	1.225	1.214	20.541
20.991	2.829	2.625	2.130	1.635	1.328	1.230	1.220	21.759
22.227	2.844	2.639	2.143	1.643	1.332	1.234	1.226	23.007
23.068	2.852	2.648	2.151	1.649	1.335	1.237	1.230	23.857
24.356	2.864	2.660	2.163	1.656	1.339	1.241	1.235	25.157
25.677	2.874	2.671	2.173	1.663	1.343	1.245	1.240	26.491
27.033	2.883	2.680	2.182	1.670	1.347	1.249	1.245	27.860
28.426	2.890	2.688	2.191	1.676	1.351	1.252	1.249	29.267
29.376	2.894	2.693	2.196	1.680	1.353	1.254	1.252	30.227
30.838	2.899	2.700	2.204	1.686	1.357	1.257	1.256	31.703
32.344	2.903	2.706	2.211	1.691	1.360	1.259	1.259	33.224
33.899	2.906	2.711	2.217	1.696	1.364	1.262	1.262	34.794
34.964	2.908	2.714	2.221	1.699	1.366	1.264	1.264	35.870
36.607	2.910	2.717	2.226	1.704	1.369	1.266	1.266	37.529

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
38.306	2.911	2.720	2.231	1.708	1.372	1.268	1.268	39.245
40.065	2.912	2.722	2.236	1.712	1.375	1.270	1.270	41.021
41.272	2.912	2.723	2.239	1.714	1.377	1.271	1.271	42.240
43.137	2.91.	2.724	2.243	1.718	1.380	1.273	1.273	44.122
45.068	2.913	2.725	2.247	1.721	1.382	1.274	1.274	46.073
47.070	2.913	2.726	2.251	1.723	1.385	1.276	1.275	48.095
48.445	2.913	2.726	2.253	1.725	1.386	1.277	1.276	49.483
50.571	2.913	2.726	2.256	1.728	1.389	1.278	1.277	51.630
52.775	2.912	2.727	2.259	1.730	1.391	1.279	1.278	53.856
55.062	2.912	2.727	2.262	1.732	1.393	1.281	1.278	56.165
57.433	2.912	2.727	2.264	1.734	1.395	1.282	1.279	58.559
59.063	2.911	2.727	2.266	1.735	1.396	1.282	1.279	60.206
61.585	2.911	2.727	2.267	1.737	1.397	1.284	1.280	62.752
64.201	2.911	2.727	2.269	1.739	1.399	1.285	1.280	65.394
66.915	2.911	2.727	2.270	1.740	1.400	1.285	1.281	68.135
68.781	2.910	2.727	2.270	1.742	1.401	1.286	1.281	70.019
71.669	2.910	2.726	2.271	1.744	1.402	1.287	1.281	72.935
74.665	2.910	2.726	2.271	1.746	1.403	1.288	1.281	75.960
77.774	2.911	2.725	2.272	1.748	1.404	1.289	1.282	79.100
79.912	2.911	2.725	2.272	1.750	1.405	1.289	1.282	81.259
83.219	2.911	2.725	2.271	1.752	1.406	1.290	1.282	84.599
86.652	2.911	2.724	2.271	1.754	1.406	1.290	1.282	88.065
90.214	2.912	2.724	2.271	1.756	1.407	1.291	1.282	91.663
92.663	2.912	2.724	2.270	1.758	1.407	1.291	1.283	94.136
96.453	2.912	2.723	2.270	1.760	1.408	1.292	1.283	97.963
100.386	2.913	2.723	2.269	1.761	1.408	1.293	1.283	101.935
104.468	2.913	2.723	2.268	1.763	1.408	1.293	1.283	106.057
108.705	2.914	2.723	2.267	1.765	1.409	1.294	1.283	110.335
111.618	2.914	2.723	2.267	1.766	1.409	1.294	1.283	113.277
116.125	2.914	2.723	2.266	1.767	1.409	1.294	1.284	117.829
120.804	2.915	2.723	2.265	1.768	1.410	1.295	1.284	122.553
125.659	2.915	2.723	2.265	1.769	1.410	1.295	1.284	127.456
128.998	2.916	2.723	2.264	1.770	1.411	1.295	1.284	130.828
134.164	2.916	2.723	2.263	1.770	1.411	1.295	1.284	136.045
139.527	2.916	2.723	2.262	1.771	1.412	1.296	1.284	141.460
145.092	2.917	2.723	2.262	1.771	1.412	1.296	1.284	147.080
148.920	2.917	2.723	2.261	1.771	1.413	1.296	1.284	150.945
154.843	2.917	2.723	2.261	1.772	1.413	1.296	1.284	156.926
160.990	2.918	2.723	2.260	1.772	1.414	1.296	1.284	163.134
167.372	2.918	2.724	2.259	1.772	1.415	1.296	1.284	169.578
171.760	2.918	2.724	2.259	1.772	1.415	1.297	1.284	174.010
178.551	2.918	2.724	2.259	1.772	1.416	1.297	1.284	180.868
185.601	2.918	2.724	2.258	1.772	1.417	1.297	1.284	187.987
192.919	2.918	2.724	2.258	1.771	1.417	1.297	1.284	195.377
200.516	2.918	2.724	2.257	1.771	1.418	1.297	1.284	203.049

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	11.098	11.485	10.177	8.595	7.225	6.343	6.042	1.431
1.003	11.614	11.117	9.845	8.308	6.982	6.131	5.843	1.574
1.190	11.081	10.603	9.389	7.944	6.714	5.930	5.666	1.764
1.488	10.242	9.795	8.668	7.343	6.231	5.534	5.302	2.065
1.842	9.355	8.937	7.896	6.697	5.715	5.114	4.915	2.422
2.255	8.491	8.103	7.135	6.051	5.197	4.694	4.532	2.839
2.603	7.918	7.535	6.606	5.595	4.823	4.389	4.254	3.191
3.118	7.259	6.889	5.999	5.057	4.360	3.985	3.875	3.710
3.686	6.742	6.371	5.492	4.594	3.955	3.625	3.532	4.284
4.303	6.356	5.977	5.092	4.210	3.607	3.317	3.241	4.907
4.961	6.085	5.689	4.784	3.904	3.317	3.050	2.987	5.572
5.478	5.943	5.533	4.603	3.716	3.136	2.876	2.817	6.094
6.193	5.824	5.390	4.420	3.514	2.935	2.680	2.622	6.816
6.931	5.770	5.307	4.288	3.356	2.772	2.521	2.463	7.561
7.687	5.770	5.274	4.197	3.234	2.640	2.390	2.333	8.324
8.456	5.814	5.281	4.140	3.139	2.533	2.281	2.225	9.101
9.041	5.871	5.309	4.116	3.082	2.465	2.212	2.155	9.691
9.827	5.973	5.370	4.103	3.022	2.390	2.132	2.075	10.485
10.620	6.099	5.455	4.109	2.978	2.327	2.066	2.008	11.286
11.417	6.244	5.558	4.131	2.946	2.276	2.011	1.952	12.091
12.218	6.402	5.676	4.167	2.924	2.233	1.965	1.905	12.900
12.821	6.527	5.771	4.200	2.912	2.205	1.934	1.875	13.509
13.626	6.701	5.906	4.253	2.904	2.174	1.899	1.840	14.322
14.433	6.878	6.047	4.314	2.902	2.147	1.870	1.811	15.137
15.240	7.058	6.192	4.381	2.904	2.125	1.844	1.786	15.952
16.049	7.236	6.339	4.453	2.911	2.107	1.822	1.765	16.759
16.859	7.409	6.485	4.528	2.922	2.091	1.803	1.747	17.587
17.468	7.535	6.594	4.587	2.932	2.081	1.791	1.736	18.202
18.284	7.695	6.737	4.667	2.948	2.070	1.776	1.722	19.025
19.104	7.845	6.874	4.749	2.967	2.061	1.763	1.711	19.854
19.932	7.983	7.006	4.832	2.988	2.053	1.752	1.701	20.690
20.771	8.108	7.131	4.916	3.011	2.047	1.742	1.693	21.537
21.409	8.193	7.220	4.978	3.029	2.043	1.736	1.688	22.181
22.274	8.292	7.332	5.062	3.056	2.040	1.728	1.683	23.055
23.161	8.375	7.435	5.144	3.084	2.037	1.722	1.678	23.950
24.073	8.439	7.527	5.225	3.114	2.035	1.716	1.675	24.871
25.016	8.485	7.607	5.305	3.145	2.034	1.711	1.673	25.823
25.746	8.507	7.659	5.364	3.170	2.034	1.708	1.673	26.561
26.756	8.522	7.714	5.440	3.205	2.034	1.704	1.672	27.580
27.811	8.522	7.753	5.514	3.241	2.036	1.701	1.673	28.646
28.919	8.512	7.775	5.585	3.279	2.039	1.698	1.675	29.765
30.087	8.495	7.782	5.653	3.318	2.043	1.695	1.677	30.944
31.006	8.480	7.778	5.701	3.348	2.046	1.694	1.679	31.872
32.295	8.459	7.764	5.761	3.389	2.052	1.692	1.683	33.174
33.664	8.438	7.744	5.815	3.430	2.059	1.690	1.687	34.556

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
35.119	8.417	7.720	5.862	3.472	2.068	1.688	1.692	36.026
36.570	8.399	7.696	5.899	3.513	2.078	1.687	1.697	37.593
38.329	8.382	7.673	5.926	3.554	2.091	1.686	1.703	39.267
39.644	8.371	7.657	5.938	3.584	2.101	1.685	1.707	40.596
41.461	8.359	7.639	5.946	3.623	2.116	1.684	1.712	42.431
43.349	8.350	7.625	5.947	3.660	2.132	1.684	1.716	44.337
45.310	8.343	7.613	5.941	3.696	2.150	1.684	1.720	46.317
47.347	8.338	7.604	5.932	3.730	2.168	1.685	1.723	48.374
48.926	8.336	7.598	5.923	3.755	2.182	1.686	1.725	49.969
51.102	8.335	7.591	5.911	3.787	2.201	1.688	1.727	52.167
53.362	8.334	7.587	5.898	3.817	2.220	1.690	1.729	54.448
55.708	8.334	7.585	5.885	3.844	2.240	1.693	1.730	56.817
58.144	8.335	7.583	5.872	3.869	2.258	1.697	1.731	59.277
60.031	8.335	7.583	5.862	3.886	2.272	1.700	1.731	61.183
62.631	8.337	7.582	5.850	3.905	2.289	1.704	1.731	63.809
65.331	8.338	7.583	5.838	3.921	2.304	1.709	1.730	66.535
68.133	8.340	7.583	5.827	3.933	2.319	1.715	1.730	69.365
71.042	8.342	7.583	5.817	3.943	2.333	1.720	1.729	72.302
73.297	8.344	7.583	5.809	3.949	2.342	1.725	1.728	74.579
76.403	8.347	7.583	5.800	3.954	2.354	1.731	1.727	77.715
79.627	8.350	7.584	5.792	3.957	2.365	1.737	1.725	80.972
82.975	8.353	7.584	5.784	3.959	2.376	1.744	1.724	84.352
86.451	8.356	7.585	5.777	3.959	2.387	1.750	1.723	87.863
90.061	8.358	7.586	5.770	3.958	2.397	1.756	1.722	91.508
92.858	8.361	7.586	5.765	3.956	2.404	1.761	1.722	94.333
96.714	8.363	7.587	5.760	3.953	2.414	1.767	1.721	98.226
100.717	8.366	7.588	5.754	3.949	2.424	1.773	1.720	102.269
104.875	8.369	7.590	5.749	3.944	2.433	1.779	1.720	106.467
109.193	8.371	7.591	5.745	3.939	2.441	1.784	1.720	110.828
112.540	8.373	7.592	5.742	3.935	2.448	1.788	1.719	114.208
117.154	8.375	7.594	5.739	3.929	2.456	1.793	1.720	118.867
121.946	8.377	7.595	5.736	3.923	2.463	1.798	1.720	123.706
126.924	8.378	7.597	5.734	3.917	2.470	1.802	1.720	128.733
132.094	8.379	7.598	5.732	3.910	2.476	1.805	1.721	133.954
136.103	8.380	7.600	5.731	3.906	2.481	1.808	1.721	138.003
141.630	8.381	7.601	5.730	3.899	2.486	1.811	1.722	143.584
147.371	8.381	7.603	5.729	3.893	2.491	1.814	1.723	149.381
153.336	8.382	7.604	5.729	3.887	2.495	1.817	1.724	155.405
159.533	8.382	7.605	5.729	3.881	2.498	1.819	1.725	161.662
164.338	8.382	7.606	5.730	3.877	2.501	1.821	1.726	166.515
170.963	8.382	7.607	5.731	3.871	2.504	1.823	1.727	173.205
177.846	8.381	7.608	5.732	3.865	2.506	1.825	1.728	180.156
184.997	8.381	7.609	5.734	3.860	2.508	1.827	1.729	187.377
192.427	8.380	7.609	5.736	3.855	2.509	1.828	1.729	194.880
200.147	8.380	7.610	5.738	3.850	2.510	1.830	1.730	202.676

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	26.127	24.994	22.107	18.625	15.616	13.681	13.025	1.431
1.057	24.820	23.745	21.006	17.716	14.889	13.078	12.466	1.630
1.321	23.018	22.007	19.449	16.421	13.869	12.261	11.723	1.896
1.638	21.009	20.071	17.723	14.992	12.728	11.323	10.855	2.216
2.113	18.508	17.662	15.546	13.156	11.252	10.117	9.749	2.696
2.556	16.712	15.896	13.917	11.767	10.124	9.197	8.908	3.143
3.185	14.839	14.063	12.210	10.267	8.838	8.074	7.851	3.779
3.744	13.681	12.907	11.089	9.248	7.953	7.294	7.108	4.343
4.502	12.617	11.824	10.001	8.217	7.019	6.464	6.326	5.108
5.147	12.025	11.201	9.341	7.569	6.411	5.897	5.780	5.759
5.988	11.542	10.665	8.728	6.937	5.804	5.313	5.203	6.608
6.680	11.320	10.390	8.369	6.545	5.415	4.938	4.830	7.308
7.561	11.205	10.194	8.046	6.164	5.025	4.555	4.452	8.198
8.274	11.218	10.135	7.868	5.926	4.774	4.303	4.201	8.917
9.167	11.338	10.156	7.722	5.693	4.518	4.042	3.937	9.819
9.880	11.501	10.234	7.655	5.546	4.350	3.870	3.762	10.539
10.767	11.767	10.392	7.620	5.403	4.174	3.690	3.581	11.435
11.471	12.021	10.556	7.625	5.314	4.057	3.570	3.459	12.145
12.339	12.379	10.799	7.662	5.228	3.933	3.441	3.331	13.023
13.024	12.697	11.018	7.713	5.176	3.849	3.353	3.244	13.714
13.867	13.128	11.320	7.797	5.127	3.759	3.257	3.149	14.565
14.529	13.497	11.583	7.879	5.100	3.697	3.191	3.083	15.233
15.342	13.980	11.934	7.996	5.076	3.630	3.118	3.011	16.054
15.980	14.376	12.230	8.100	5.066	3.583	3.067	2.961	16.699
16.765	14.875	12.614	8.242	5.060	3.532	3.010	2.905	17.492
17.383	15.270	12.929	8.365	5.062	3.496	2.970	2.866	18.116
18.146	15.748	13.326	8.527	5.069	3.456	2.924	2.821	18.886
18.750	16.114	13.644	8.665	5.080	3.428	2.891	2.789	19.496
19.499	16.542	14.036	8.845	5.098	3.396	2.854	2.754	20.253
20.096	16.857	14.341	8.995	5.116	3.374	2.828	2.728	20.856
20.843	17.210	14.709	9.190	5.143	3.348	2.797	2.699	21.610
21.593	17.512	15.057	9.391	5.174	3.325	2.769	2.674	22.367
22.198	17.714	15.317	9.557	5.202	3.308	2.748	2.655	22.979
22.965	17.915	15.615	9.769	5.240	3.289	2.725	2.635	23.753
23.590	18.033	15.828	9.942	5.274	3.274	2.707	2.620	24.383
24.388	18.129	16.059	10.162	5.319	3.258	2.686	2.603	25.189
25.043	18.166	16.212	10.340	5.359	3.246	2.670	2.591	25.851
25.888	18.168	16.360	10.564	5.413	3.231	2.651	2.578	26.705
26.589	18.139	16.441	10.744	5.459	3.221	2.637	2.568	27.412
27.500	18.074	16.497	10.969	5.522	3.208	2.619	2.557	28.333
28.261	18.005	16.505	11.145	5.576	3.199	2.606	2.550	29.100
29.247	17.904	16.475	11.359	5.648	3.188	2.589	2.542	30.097
30.070	17.818	16.424	11.522	5.710	3.180	2.576	2.536	30.928
31.148	17.709	16.332	11.711	5.793	3.171	2.560	2.531	32.016
32.055	17.628	16.242	11.847	5.864	3.165	2.547	2.527	32.932

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.252	17.537	16.116	11.994	5.960	3.159	2.530	2.523	34.141
34.269	17.477	16.012	12.088	6.042	3.155	2.517	2.521	35.167
35.622	17.418	15.885	12.171	6.151	3.153	2.499	2.519	36.534
36.778	17.382	15.794	12.208	6.246	3.153	2.484	2.518	37.701
38.322	17.351	15.700	12.217	6.371	3.156	2.465	2.517	39.261
39.629	17.337	15.643	12.198	6.477	3.162	2.449	2.516	40.580
41.362	17.328	15.592	12.146	6.615	3.174	2.429	2.515	42.331
42.841	17.326	15.568	12.087	6.729	3.187	2.413	2.514	43.824
44.824	17.328	15.554	12.000	6.874	3.210	2.394	2.512	45.827
46.533	17.332	15.552	11.926	6.991	3.234	2.379	2.509	47.552
48.844	17.339	15.559	11.833	7.130	3.272	2.361	2.505	49.886
50.797	17.346	15.570	11.767	7.231	3.307	2.348	2.500	51.858
53.331	17.355	15.588	11.697	7.339	3.357	2.335	2.492	54.417
55.435	17.359	15.602	11.649	7.407	3.399	2.326	2.483	56.542
58.164	17.363	15.619	11.600	7.470	3.456	2.317	2.473	59.298
61.009	17.366	15.634	11.561	7.513	3.516	2.312	2.462	62.171
63.372	17.368	15.642	11.536	7.534	3.566	2.310	2.452	64.557
66.439	17.372	15.649	11.510	7.548	3.629	2.310	2.440	67.654
68.987	17.376	15.651	11.492	7.550	3.679	2.311	2.429	70.226
72.294	17.381	15.652	11.474	7.546	3.740	2.315	2.417	73.566
75.042	17.387	15.651	11.462	7.537	3.788	2.320	2.407	76.342
78.610	17.393	15.648	11.449	7.520	3.845	2.329	2.395	79.945
81.576	17.399	15.646	11.441	7.502	3.887	2.337	2.386	82.939
85.426	17.406	15.644	11.432	7.477	3.936	2.349	2.374	86.828
88.626	17.412	15.642	11.425	7.455	3.972	2.359	2.365	90.059
92.782	17.419	15.641	11.418	7.426	4.013	2.374	2.356	94.256
96.236	17.425	15.641	11.412	7.403	4.041	2.387	2.348	97.743
100.721	17.431	15.643	11.406	7.375	4.074	2.403	2.340	102.273
104.450	17.435	15.644	11.401	7.353	4.096	2.417	2.334	106.039
109.293	17.439	15.648	11.396	7.328	4.122	2.435	2.326	110.929
113.320	17.442	15.651	11.392	7.308	4.140	2.449	2.322	114.995
118.550	17.445	15.655	11.388	7.285	4.160	2.467	2.316	120.277
122.899	17.447	15.659	11.386	7.267	4.174	2.480	2.313	124.669
128.549	17.448	15.664	11.384	7.245	4.189	2.497	2.309	130.374
133.247	17.449	15.668	11.384	7.229	4.200	2.510	2.307	135.119
139.352	17.450	15.672	11.384	7.209	4.211	2.525	2.305	141.283
144.428	17.450	15.675	11.386	7.193	4.218	2.537	2.304	146.409
151.024	17.450	15.679	11.389	7.175	4.226	2.550	2.303	153.070
156.509	17.449	15.681	11.392	7.161	4.230	2.560	2.303	158.609
163.637	17.448	15.684	11.396	7.144	4.233	2.571	2.304	165.807
169.565	17.447	15.686	11.401	7.132	4.235	2.579	2.305	171.793
177.268	17.446	15.687	11.407	7.117	4.235	2.589	2.306	179.572
183.673	17.444	15.688	11.413	7.106	4.234	2.596	2.308	186.040
191.996	17.443	15.689	11.420	7.094	4.232	2.604	2.310	194.445
200.686	17.441	15.689	11.427	7.082	4.228	2.611	2.313	203.220

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	45.909	43.907	38.809	32.664	27.362	23.955	22.800	1.431
1.056	43.539	41.644	36.818	31.025	26.051	22.866	21.792	1.628
1.317	40.303	38.524	34.024	28.703	24.221	21.399	20.454	1.892
1.718	35.803	34.188	30.158	25.497	21.660	19.293	18.507	2.297
2.205	31.411	29.957	26.326	22.254	19.039	17.144	16.536	2.789
2.778	27.600	26.210	22.871	19.293	16.601	15.120	14.673	3.367
3.430	24.555	23.218	20.057	16.801	14.459	13.233	12.878	4.026
4.152	22.313	20.967	17.849	14.762	12.659	11.648	11.381	4.755
4.929	20.750	19.355	16.198	13.177	11.199	10.315	10.112	5.539
5.746	19.725	18.250	14.989	11.966	10.050	9.224	9.039	6.365
6.590	19.115	17.534	14.116	11.045	9.151	8.358	8.181	7.216
7.448	18.828	17.116	13.496	10.342	8.444	7.667	7.499	8.083
8.312	18.794	16.928	13.066	9.801	7.884	7.108	6.942	8.956
9.175	18.955	16.920	12.783	9.382	7.436	6.654	6.483	9.827
10.032	19.262	17.050	12.612	9.057	7.071	6.285	6.108	10.693
10.878	19.678	17.283	12.529	8.803	6.772	5.981	5.802	11.547
11.710	20.182	17.595	12.514	8.605	6.523	5.727	5.549	12.387
12.524	20.766	17.971	12.551	8.451	6.314	5.512	5.335	13.209
13.319	21.429	18.404	12.630	8.332	6.138	5.329	5.153	14.012
14.094	22.165	18.892	12.742	8.241	5.988	5.171	4.996	14.794
14.847	22.963	19.433	12.883	8.172	5.859	5.035	4.860	15.555
15.580	23.808	20.022	13.048	8.121	5.748	4.916	4.741	16.295
16.293	24.681	20.650	13.236	8.086	5.651	4.812	4.637	17.015
16.851	25.387	21.176	13.401	8.067	5.582	4.737	4.563	17.578
17.533	26.263	21.853	13.625	8.053	5.505	4.653	4.480	18.267
18.201	27.117	22.543	13.867	8.050	5.436	4.577	4.406	18.942
18.857	27.933	23.238	14.126	8.055	5.374	4.510	4.340	19.605
19.504	28.696	23.929	14.401	8.067	5.319	4.449	4.280	20.258
20.145	29.394	24.606	14.691	8.087	5.268	4.393	4.227	20.905
20.781	30.017	25.262	14.995	8.112	5.222	4.342	4.179	21.547
21.417	30.555	25.888	15.312	8.143	5.179	4.295	4.135	22.189
22.054	31.002	26.476	15.642	8.180	5.139	4.251	4.096	22.833
22.696	31.355	27.018	15.984	8.221	5.102	4.210	4.060	23.481
23.346	31.612	27.505	16.338	8.268	5.068	4.172	4.027	24.137
24.007	31.775	27.930	16.704	8.319	5.035	4.135	3.996	24.805
24.683	31.850	28.287	17.080	8.376	5.004	4.100	3.967	25.487
25.377	31.845	28.567	17.467	8.438	4.974	4.066	3.940	26.188
26.094	31.768	28.767	17.862	8.506	4.946	4.033	3.915	26.913
26.839	31.630	28.883	18.263	8.580	4.918	4.001	3.891	27.664
27.607	31.444	28.917	18.664	8.660	4.891	3.970	3.869	28.440
28.400	31.225	28.872	19.059	8.746	4.864	3.939	3.848	29.241
29.224	30.988	28.755	19.443	8.840	4.839	3.909	3.830	30.073
30.082	30.750	28.575	19.810	8.942	4.813	3.879	3.812	30.939
30.981	30.526	28.343	20.153	9.054	4.788	3.849	3.796	31.848
31.929	30.330	28.074	20.461	9.177	4.763	3.818	3.781	32.804

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.725	30.197	27.843	20.675	9.286	4.744	3.792	3.770	33.609
33.777	30.064	27.553	20.894	9.435	4.721	3.760	3.758	34.671
34.896	29.969	27.282	21.047	9.601	4.699	3.726	3.746	35.801
36.065	29.911	27.051	21.128	9.783	4.679	3.690	3.736	36.982
37.286	29.883	26.868	21.137	9.982	4.663	3.654	3.728	38.214
38.567	29.875	26.734	21.079	10.198	4.650	3.616	3.719	39.508
39.919	29.880	26.648	20.963	10.432	4.642	3.577	3.711	40.873
41.356	29.892	26.606	20.802	10.684	4.641	3.537	3.703	42.324
42.890	29.911	26.599	20.609	10.952	4.647	3.497	3.695	43.874
44.540	29.933	26.617	20.399	11.231	4.661	3.456	3.686	45.539
46.322	29.958	26.652	20.190	11.512	4.684	3.414	3.674	47.339
48.259	29.984	26.697	19.993	11.784	4.719	3.374	3.660	49.295
50.372	30.003	26.748	19.819	12.033	4.768	3.334	3.643	51.429
52.687	30.012	26.805	19.674	12.246	4.830	3.297	3.623	53.767
55.168	30.011	26.862	19.565	12.408	4.908	3.263	3.599	56.272
57.748	30.008	26.912	19.490	12.517	4.997	3.234	3.570	58.877
60.432	30.004	26.944	19.436	12.579	5.097	3.210	3.540	61.588
63.224	30.005	26.961	19.399	12.605	5.208	3.191	3.509	64.408
66.131	30.009	26.963	19.371	12.605	5.328	3.176	3.480	67.342
69.156	30.017	26.956	19.350	12.584	5.455	3.167	3.449	70.397
72.306	30.026	26.944	19.336	12.543	5.584	3.161	3.418	73.578
75.585	30.037	26.931	19.328	12.486	5.713	3.158	3.388	76.889
78.305	30.047	26.921	19.324	12.430	5.812	3.159	3.365	79.636
81.831	30.062	26.909	19.321	12.353	5.931	3.164	3.336	83.197
85.502	30.076	26.899	19.318	12.274	6.038	3.171	3.309	86.904
89.324	30.090	26.891	19.313	12.199	6.134	3.182	3.283	90.763
93.303	30.102	26.888	19.307	12.131	6.218	3.196	3.259	94.782
97.447	30.111	26.889	19.300	12.071	6.290	3.214	3.235	98.966
101.762	30.118	26.894	19.292	12.017	6.351	3.234	3.214	103.324
106.255	30.124	26.901	19.284	11.967	6.403	3.257	3.193	107.862
110.936	30.129	26.910	19.277	11.921	6.447	3.282	3.174	112.588
115.811	30.132	26.920	19.271	11.878	6.483	3.309	3.157	117.511
120.890	30.134	26.930	19.266	11.837	6.514	3.337	3.141	122.640
126.181	30.135	26.940	19.263	11.799	6.540	3.366	3.127	127.983
131.694	30.136	26.949	19.261	11.763	6.561	3.395	3.115	133.550
137.437	30.136	26.958	19.262	11.729	6.578	3.424	3.104	139.350
143.422	30.136	26.965	19.265	11.697	6.590	3.453	3.095	145.393
149.657	30.135	26.971	19.270	11.667	6.598	3.480	3.087	151.690
156.154	30.134	26.975	19.277	11.639	6.601	3.507	3.080	158.250
162.923	30.133	26.979	19.287	11.613	6.600	3.532	3.076	165.086
169.976	30.131	26.981	19.298	11.588	6.595	3.556	3.072	172.208
177.324	30.129	26.983	19.310	11.565	6.586	3.578	3.070	179.629
184.980	30.127	26.983	19.323	11.543	6.575	3.598	3.069	187.360
192.957	30.124	26.983	19.337	11.522	6.563	3.616	3.069	195.415
201.267	30.122	26.983	19.350	11.504	6.550	3.632	3.069	203.807

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	71.343	68.223	60.286	50.717	42.467	37.174	35.383	1.431
1.115	66.411	63.500	56.107	47.293	39.771	34.974	33.354	1.688
1.388	61.147	58.435	51.591	43.525	36.751	32.502	31.079	1.964
1.805	54.070	51.609	45.491	38.454	32.703	29.174	28.007	2.384
2.306	47.308	45.086	39.568	33.435	28.647	25.858	24.973	2.891
3.019	40.563	38.467	33.449	28.147	24.223	22.101	21.472	3.610
3.696	36.288	34.230	29.407	24.527	21.093	19.343	18.849	4.294
4.436	33.189	31.097	26.302	21.622	18.490	17.038	16.677	5.041
5.224	31.059	28.877	23.990	19.381	16.406	15.103	14.813	5.837
6.212	29.482	27.134	22.020	17.377	14.490	13.271	13.001	6.835
7.055	28.789	26.258	20.874	16.137	13.265	12.086	11.830	7.686
7.906	28.528	25.779	20.059	15.182	12.297	11.130	10.882	8.546
8.758	28.604	25.607	19.497	14.440	11.524	10.353	10.102	9.406
9.603	28.933	25.673	19.129	13.860	10.898	9.721	9.460	10.259
10.603	29.570	25.983	18.882	13.326	10.293	9.110	8.844	11.269
11.419	30.253	26.381	18.800	12.984	9.882	8.695	8.428	12.093
12.216	31.062	26.878	18.801	12.714	9.538	8.343	8.079	12.898
12.993	31.996	27.464	18.868	12.501	9.247	8.043	7.780	13.683
13.897	33.278	28.282	19.017	12.303	8.954	7.737	7.474	14.595
14.624	34.466	29.058	19.188	12.177	8.747	7.520	7.257	15.330
15.330	35.739	29.912	19.397	12.079	8.567	7.330	7.067	16.042
16.014	37.073	30.835	19.639	12.005	8.411	7.164	6.901	16.733
16.678	38.439	31.815	19.913	11.951	8.273	7.017	6.755	17.404
17.451	40.082	33.047	20.280	11.908	8.127	6.861	6.601	18.184
18.078	41.423	34.104	20.615	11.889	8.020	6.747	6.488	18.818
18.692	42.715	35.174	20.976	11.881	7.923	6.643	6.386	19.437
19.294	43.934	36.245	21.361	11.885	7.835	6.549	6.295	20.046
20.006	45.276	37.514	21.852	11.903	7.739	6.447	6.197	20.765
20.593	46.275	38.543	22.286	11.926	7.666	6.370	6.123	21.357
21.176	47.150	39.534	22.739	11.958	7.598	6.298	6.057	21.946
21.758	47.894	40.475	23.213	11.996	7.535	6.231	5.996	22.534
22.342	48.498	41.355	23.707	12.042	7.476	6.168	5.939	23.123
23.048	49.038	42.314	24.325	12.104	7.410	6.096	5.877	23.836
23.644	49.334	43.020	24.862	12.163	7.357	6.039	5.828	24.438
24.250	49.498	43.631	25.418	12.229	7.307	5.985	5.782	25.050
24.870	49.536	44.136	25.994	12.300	7.259	5.932	5.738	25.676
25.636	49.430	44.592	26.708	12.394	7.204	5.870	5.687	26.450
26.297	49.227	44.839	27.320	12.480	7.159	5.820	5.647	27.117
26.978	48.938	44.961	27.942	12.574	7.115	5.772	5.609	27.805
27.675	48.585	44.961	28.564	12.674	7.071	5.724	5.573	28.509
28.394	48.190	44.841	29.179	12.781	7.029	5.677	5.539	29.235
29.291	47.697	44.553	29.901	12.923	6.977	5.621	5.500	30.141
30.071	47.300	44.206	30.478	13.055	6.934	5.575	5.470	30.929
30.887	46.939	43.731	31.021	13.199	6.891	5.528	5.442	31.753
31.745	46.628	43.303	31.515	13.360	6.847	5.481	5.416	32.618

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.836	46.331	42.701	32.020	13.579	6.795	5.422	5.386	33.720
33.803	46.152	42.214	32.347	13.788	6.751	5.372	5.364	34.697
34.806	46.040	41.782	32.569	14.019	6.708	5.320	5.345	35.710
35.841	45.983	41.420	32.679	14.273	6.668	5.267	5.327	36.755
37.136	45.965	41.086	32.668	14.613	6.623	5.201	5.308	38.063
38.268	45.979	40.895	32.547	14.928	6.591	5.143	5.294	39.206
39.458	46.007	40.779	32.338	15.274	6.565	5.084	5.280	40.407
40.714	46.043	40.732	32.057	15.653	6.545	5.022	5.266	41.676
42.049	46.085	40.740	31.724	16.062	6.532	4.959	5.252	43.024
43.772	46.142	40.801	31.290	16.585	6.530	4.882	5.233	44.764
45.325	46.194	40.879	30.926	17.038	6.539	4.815	5.215	46.332
47.003	46.244	40.971	30.581	17.489	6.562	4.747	5.192	48.027
48.824	46.283	41.071	30.272	17.921	6.600	4.679	5.165	49.866
51.227	46.302	41.200	29.967	18.381	6.668	4.601	5.127	52.292
53.434	46.294	41.309	29.775	18.691	6.749	4.538	5.088	54.521
55.769	46.277	41.407	29.644	18.916	6.851	4.480	5.044	56.879
58.218	46.259	41.479	29.559	19.057	6.973	4.429	4.994	59.352
60.798	46.247	41.516	29.504	19.128	7.117	4.384	4.942	61.958
64.084	46.246	41.521	29.462	19.143	7.322	4.340	4.880	65.275
66.946	46.254	41.502	29.444	19.107	7.514	4.311	4.826	68.166
69.924	46.266	41.473	29.435	19.032	7.720	4.288	4.771	71.173
73.022	46.282	41.442	29.436	18.918	7.933	4.270	4.716	74.301
76.903	46.307	41.407	29.444	18.744	8.192	4.255	4.654	78.221
80.280	46.333	41.380	29.452	18.584	8.400	4.249	4.604	81.631
83.793	46.358	41.357	29.457	18.429	8.594	4.247	4.555	85.178
87.446	46.381	41.342	29.457	18.290	8.770	4.249	4.508	88.867
91.245	46.399	41.336	29.452	18.170	8.927	4.255	4.463	92.704
96.007	46.415	41.339	29.441	18.047	9.089	4.269	4.412	97.512
100.150	46.425	41.349	29.431	17.957	9.202	4.286	4.372	101.696
104.461	46.432	41.363	29.419	17.875	9.297	4.308	4.334	106.050
108.947	46.437	41.379	29.408	17.800	9.376	4.334	4.298	110.580
114.571	46.441	41.400	29.395	17.718	9.452	4.370	4.259	116.259
119.467	46.442	41.418	29.386	17.655	9.503	4.405	4.229	121.203
124.564	46.442	41.435	29.378	17.597	9.544	4.443	4.201	126.350
129.868	46.443	41.450	29.372	17.544	9.578	4.482	4.175	131.706
135.390	46.443	41.464	29.371	17.495	9.603	4.523	4.152	137.282
142.314	46.443	41.477	29.374	17.441	9.621	4.574	4.126	144.274
148.344	46.443	41.485	29.382	17.400	9.628	4.617	4.108	150.364
154.621	46.442	41.491	29.394	17.360	9.625	4.660	4.091	156.702
161.154	46.441	41.495	29.409	17.321	9.614	4.702	4.076	163.300
169.347	46.438	41.498	29.430	17.277	9.591	4.749	4.062	171.573
176.461	46.436	41.500	29.450	17.242	9.566	4.786	4.051	178.777
183.907	46.433	41.500	29.471	17.209	9.540	4.822	4.042	186.276
191.635	46.430	41.499	29.493	17.178	9.513	4.855	4.035	194.080
201.325	46.425	41.498	29.519	17.144	9.483	4.892	4.029	203.866

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.861	102.427	97.939	86.528	72.777	60.921	53.326	50.739	1.431
1.115	95.299	91.117	80.497	67.837	57.035	50.143	47.819	1.687
1.387	87.704	83.807	73.981	62.401	52.680	46.577	44.538	1.963
1.895	75.487	72.023	63.437	53.618	45.651	40.803	39.208	2.476
2.413	65.965	62.801	55.033	46.490	39.885	36.097	34.911	2.998
3.142	56.634	53.659	46.563	39.132	33.674	30.751	29.892	3.735
3.830	50.810	47.868	41.004	34.114	29.322	26.923	26.258	4.430
4.578	46.617	43.613	36.763	30.127	25.723	23.714	23.228	5.185
5.532	43.308	40.132	33.087	26.534	22.365	20.564	20.166	6.148
6.357	41.644	38.257	30.920	24.307	20.222	18.511	18.134	6.982
7.366	40.632	36.917	29.095	22.310	18.241	16.587	16.234	8.000
8.212	40.418	36.376	28.053	21.054	16.963	15.316	14.968	8.854
9.054	40.637	36.234	27.337	20.074	15.935	14.282	13.924	9.705
10.052	41.311	36.456	26.804	19.170	14.949	13.289	12.918	10.713
10.869	42.121	36.877	26.565	18.589	14.283	12.619	12.245	11.537
11.825	43.335	37.588	26.462	18.048	13.627	11.954	11.582	12.503
12.599	44.544	38.323	26.490	17.697	13.174	11.490	11.12[illegible]	13.285
13.351	45.935	39.184	26.598	17.417	12.790	11.092	10.723	14.044
14.222	47.830	40.381	26.815	17.154	12.400	10.685	10.316	14.923
14.922	49.571	41.511	27.056	16.985	12.123	10.395	10.025	15.630
15.732	51.805	43.009	27.410	16.828	11.837	10.093	9.723	16.448
16.384	53.744	44.358	27.755	16.731	11.629	9.874	9.505	17.107
17.016	55.711	45.779	28.142	16.660	11.445	9.680	9.311	17.745
17.752	58.056	47.555	28.658	16.602	11.250	9.474	9.107	18.489
18.349	59.957	49.071	29.127	16.574	11.104	9.320	8.956	19.091
19.048	62.127	50.908	29.736	16.561	10.946	9.155	8.795	19.798
19.620	63.810	52.432	30.278	16.566	10.827	9.031	8.675	20.375
20.183	65.353	53.932	30.851	16.582	10.718	8.916	8.566	20.944
20.852	66.992	55.679	31.577	16.617	10.597	8.790	8.448	21.619
21.406	68.163	57.072	32.214	16.656	10.504	8.693	8.358	22.178
22.069	69.318	58.644	33.015	16.715	10.400	8.583	8.259	22.848
22.624	70.067	59.854	33.714	16.773	10.318	8.497	8.183	23.408
23.183	70.622	60.958	34.441	16.839	10.241	8.414	8.111	23.973
23.863	71.037	62.123	35.351	16.928	10.153	8.319	8.029	24.659
24.441	71.182	62.944	36.142	17.010	10.084	8.243	7.964	25.243
25.151	71.130	63.732	37.129	17.119	10.003	8.154	7.889	25.960
25.761	70.912	64.211	37.981	17.218	9.937	8.082	7.828	26.576
26.390	70.550	64.519	38.857	17.326	9.873	8.012	7.770	27.212
27.164	69.969	64.657	39.921	17.466	9.798	7.929	7.704	27.993
27.826	69.396	64.580	40.809	17.592	9.736	7.862	7.651	28.662
28.648	68.658	64.267	41.866	17.757	9.661	7.783	7.592	29.491
29.359	68.042	63.836	42.728	17.908	9.598	7.718	7.545	30.210
30.099	67.461	63.271	43.560	18.074	9.535	7.653	7.501	30.957
31.030	66.844	62.458	44.497	18.298	9.458	7.574	7.451	31.897
31.849	66.417	61.713	45.202	18.510	9.392	7.507	7.412	32.724

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.890	66.021	60.802	45.920	18.801	9.311	7.425	7.369	33.775
33.801	65.797	60.089	46.379	19.077	9.243	7.354	7.337	34.695
34.925	65.653	59.355	46.730	19.446	9.163	7.269	7.303	35.830
35.893	65.607	58.855	46.846	19.790	9.099	7.195	7.279	36.807
36.896	65.514	58.458	46.813	20.173	9.039	7.118	7.256	37.820
38.154	65.661	58.152	46.582	20.687	8.974	7.022	7.231	39.091
39.258	65.718	58.009	46.252	21.166	8.927	6.939	7.211	40.206
40.662	65.799	57.962	45.724	21.804	8.880	6.835	7.137	41.623
41.908	65.873	58.005	45.209	22.386	8.851	6.746	7.166	42.882
43.236	65.953	58.103	44.657	23.008	8.832	6.653	7.144	44.222
44.954	66.055	58.264	43.993	23.793	8.827	6.537	7.112	45.958
46.507	66.134	58.418	43.470	24.457	8.840	6.438	7.079	47.526
48.541	66.202	58.616	42.914	25.227	8.878	6.318	7.032	49.580
50.398	66.222	58.788	42.533	25.811	8.932	6.220	6.984	51.455
52.414	66.209	58.960	42.240	26.309	9.013	6.124	6.930	53.491
54.955	66.172	59.147	42.012	26.749	9.143	6.019	6.853	56.057
57.167	66.137	59.258	41.897	26.983	9.279	5.940	6.782	58.291
59.958	66.108	59.328	41.817	27.134	9.481	5.858	6.695	61.109
62.419	66.099	59.334	41.779	27.170	9.688	5.799	6.621	63.594
65.029	66.100	59.302	41.759	27.136	9.928	5.748	6.545	66.230
68.402	66.111	59.239	41.755	27.004	10.259	5.695	6.449	69.636
71.392	66.129	59.182	41.768	26.819	10.566	5.658	6.367	72.655
75.136	66.168	59.119	41.800	26.530	10.949	5.624	6.270	76.436
78.392	66.207	59.070	41.826	26.260	11.265	5.603	6.192	79.724
81.776	66.247	59.030	41.844	26.000	11.569	5.587	6.116	83.141
86.013	66.289	58.998	41.853	25.729	11.908	5.575	6.030	87.420
89.698	66.316	58.986	41.849	25.541	12.162	5.571	5.960	91.141
94.312	66.339	58.992	41.837	25.351	12.427	5.575	5.880	95.801
98.325	66.352	59.008	41.823	25.214	12.617	5.584	5.817	99.853
102.497	66.361	59.031	41.808	25.090	12.778	5.601	5.758	104.066
107.724	66.368	59.062	41.788	24.955	12.935	5.629	5.691	109.345
112.272	66.371	59.089	41.771	24.854	13.040	5.659	5.639	113.937
117.971	66.371	59.122	41.750	24.744	13.140	5.704	5.580	119.692
122.930	66.371	59.148	41.734	24.663	13.205	5.746	5.535	124.700
128.089	66.371	59.171	41.722	24.590	13.255	5.793	5.493	129.910
134.555	66.372	59.194	41.716	24.512	13.299	5.855	5.446	136.439
140.182	66.373	59.209	41.719	24.453	13.320	5.909	5.410	142.122
147.235	66.374	59.221	41.731	24.385	13.326	5.978	5.371	149.244
153.373	66.373	59.229	41.748	24.331	13.313	6.036	5.340	155.442
159.758	66.372	59.234	41.769	24.278	13.286	6.094	5.313	161.890
167.760	66.370	59.238	41.799	24.216	13.237	6.163	5.283	169.971
174.724	66.367	59.239	41.828	24.167	13.190	6.218	5.260	177.003
183.451	66.362	59.239	41.866	24.111	13.133	6.282	5.237	185.816
191.045	66.358	59.238	41.898	24.067	13.090	6.332	5.219	193.484
200.560	66.352	59.236	41.936	24.018	13.044	6.390	5.202	203.093

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.841	2.183	2.104	1.900	1.648	1.423	1.275	1.224	1.411
.931	2.162	2.082	1.875	1.621	1.397	1.250	1.200	1.502
1.032	2.189	2.109	1.901	1.645	1.420	1.272	1.222	1.604
1.144	2.187	2.107	1.900	1.647	1.425	1.279	1.230	1.718
1.336	2.171	2.090	1.884	1.634	1.418	1.278	1.230	1.912
1.481	2.153	2.073	1.868	1.621	1.409	1.273	1.227	2.059
1.726	2.118	2.038	1.837	1.597	1.392	1.263	1.220	2.307
2.006	2.078	1.999	1.800	1.566	1.371	1.250	1.210	2.591
2.213	2.041	1.964	1.768	1.541	1.354	1.238	1.200	2.800
2.554	2.001	1.922	1.726	1.505	1.331	1.223	1.188	3.145
2.802	1.980	1.901	1.704	1.484	1.315	1.214	1.181	3.397
3.207	1.952	1.874	1.677	1.458	1.291	1.198	1.170	3.807
3.650	1.934	1.854	1.654	1.437	1.270	1.181	1.156	4.256
3.968	1.926	1.845	1.643	1.425	1.259	1.171	1.147	4.577
4.476	1.920	1.837	1.631	1.411	1.247	1.161	1.138	5.091
4.836	1.920	1.836	1.626	1.404	1.242	1.158	1.136	5.456
5.409	1.925	1.838	1.623	1.397	1.236	1.156	1.136	6.036
6.020	1.933	1.843	1.623	1.394	1.232	1.156	1.138	6.655
6.449	1.940	1.849	1.625	1.394	1.231	1.156	1.139	7.089
7.125	1.952	1.859	1.630	1.395	1.231	1.157	1.142	7.773
7.596	1.961	1.867	1.634	1.397	1.233	1.159	1.144	8.250
8.335	1.976	1.879	1.642	1.400	1.236	1.163	1.148	8.999
9.112	1.990	1.891	1.650	1.405	1.239	1.169	1.154	9.786
9.652	1.999	1.899	1.655	1.408	1.242	1.172	1.158	10.332
10.492	2.013	1.911	1.664	1.413	1.247	1.178	1.165	11.183
11.074	2.021	1.919	1.669	1.417	1.250	1.182	1.169	11.772
11.979	2.033	1.930	1.677	1.422	1.254	1.188	1.176	12.688
12.923	2.044	1.940	1.685	1.427	1.259	1.194	1.182	13.644
13.574	2.051	1.947	1.690	1.431	1.261	1.197	1.186	14.303
14.584	2.061	1.955	1.697	1.436	1.266	1.202	1.192	15.326
15.280	2.066	1.961	1.701	1.439	1.268	1.206	1.195	16.030
16.358	2.074	1.968	1.707	1.443	1.272	1.210	1.200	17.122
17.478	2.081	1.975	1.713	1.447	1.275	1.214	1.205	18.256
18.249	2.085	1.979	1.717	1.450	1.277	1.216	1.207	19.036
19.442	2.091	1.984	1.722	1.454	1.281	1.220	1.211	20.244
20.262	2.094	1.988	1.725	1.456	1.282	1.222	1.213	21.074
21.531	2.099	1.992	1.729	1.459	1.285	1.224	1.216	22.359
22.849	2.102	1.996	1.733	1.462	1.288	1.227	1.218	23.693
23.755	2.105	1.999	1.735	1.464	1.289	1.228	1.220	24.611
25.158	2.108	2.002	1.739	1.467	1.291	1.230	1.222	26.031
26.123	2.110	2.004	1.741	1.468	1.293	1.231	1.223	27.008
27.616	2.112	2.007	1.744	1.471	1.295	1.233	1.224	28.520
29.169	2.114	2.009	1.746	1.473	1.296	1.234	1.226	30.092
30.238	2.116	2.011	1.748	1.474	1.297	1.235	1.227	31.174
31.895	2.117	2.013	1.750	1.476	1.299	1.236	1.228	32.852

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.036	2.118	2.014	1.752	1.477	1.300	1.237	1.229	34.007
34.806	2.119	2.016	1.754	1.479	1.301	1.238	1.230	35.800
36.027	2.120	2.017	1.755	1.480	1.302	1.239	1.230	37.036
37.921	2.121	2.018	1.757	1.482	1.303	1.240	1.231	38.954
39.895	2.121	2.019	1.759	1.483	1.305	1.241	1.232	40.952
41.257	2.122	2.019	1.760	1.484	1.305	1.241	1.232	42.331
43.372	2.122	2.020	1.761	1.485	1.306	1.242	1.233	44.472
44.832	2.122	2.021	1.762	1.486	1.307	1.242	1.233	45.951
47.101	2.123	2.021	1.764	1.487	1.308	1.243	1.233	48.247
49.467	2.123	2.022	1.765	1.488	1.309	1.243	1.234	50.643
51.101	2.123	2.022	1.766	1.488	1.309	1.244	1.234	52.297
53.640	2.124	2.023	1.767	1.489	1.310	1.244	1.234	54.868
55.394	2.124	2.023	1.768	1.490	1.310	1.244	1.235	56.644
58.120	2.124	2.023	1.769	1.491	1.311	1.245	1.235	59.404
60.964	2.124	2.024	1.770	1.491	1.311	1.245	1.235	62.284
62.929	2.124	2.024	1.770	1.492	1.312	1.245	1.235	64.273
65.984	2.124	2.024	1.771	1.492	1.312	1.246	1.235	67.366
68.094	2.124	2.024	1.771	1.493	1.312	1.246	1.236	69.503
71.375	2.124	2.024	1.772	1.494	1.313	1.246	1.236	72.825
74.800	2.125	2.024	1.772	1.494	1.313	1.247	1.236	76.292
77.166	2.125	2.024	1.772	1.495	1.313	1.247	1.236	78.688
80.845	2.125	2.024	1.773	1.496	1.314	1.247	1.236	82.412
83.387	2.125	2.024	1.773	1.496	1.314	1.247	1.236	84.986
87.339	2.125	2.024	1.773	1.497	1.314	1.247	1.236	88.988
91.465	2.126	2.024	1.773	1.498	1.314	1.248	1.236	93.165
94.316	2.126	2.024	1.773	1.498	1.315	1.248	1.236	96.051
98.749	2.126	2.024	1.773	1.499	1.315	1.248	1.237	100.540
101.812	2.126	2.024	1.773	1.499	1.315	1.248	1.237	103.641
106.575	2.126	2.024	1.773	1.500	1.315	1.248	1.237	108.463
111.548	2.126	2.024	1.773	1.501	1.315	1.248	1.237	113.498
114.984	2.127	2.024	1.773	1.501	1.315	1.248	1.237	116.977
120.328	2.127	2.024	1.773	1.501	1.315	1.248	1.237	122.387
124.020	2.127	2.024	1.773	1.502	1.316	1.249	1.237	126.126
129.762	2.127	2.024	1.772	1.502	1.316	1.249	1.237	131.939
135.756	2.127	2.024	1.772	1.502	1.316	1.249	1.237	138.008
139.899	2.127	2.024	1.772	1.503	1.316	1.249	1.237	142.203
146.341	2.127	2.024	1.772	1.503	1.316	1.249	1.237	148.725
150.793	2.127	2.024	1.772	1.503	1.316	1.249	1.237	153.232
157.716	2.127	2.024	1.772	1.503	1.317	1.249	1.237	160.241
164.944	2.128	2.024	1.772	1.503	1.317	1.249	1.237	167.560
169.940	2.128	2.024	1.772	1.504	1.317	1.249	1.237	172.618
177.708	2.128	2.024	1.771	1.504	1.317	1.249	1.237	180.483
183.077	2.128	2.024	1.771	1.504	1.317	1.249	1.237	185.919
191.426	2.128	2.024	1.771	1.504	1.318	1.249	1.237	194.372
200.144	2.128	2.024	1.771	1.504	1.318	1.249	1.237	203.199

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	3.725	3.578	3.202	2.741	2.337	2.074	1.984	1.414
.936	3.671	3.524	3.144	2.683	2.281	2.021	1.932	1.507
1.045	3.655	3.510	3.139	2.686	2.292	2.035	1.948	1.617
1.237	3.558	3.415	3.051	2.614	2.239	1.998	1.916	1.812
1.468	3.433	3.294	2.941	2.521	2.164	1.938	1.862	2.046
1.734	3.293	3.158	2.816	2.416	2.081	1.872	1.802	2.315
2.032	3.154	3.021	2.690	2.306	1.993	1.802	1.738	2.617
2.364	3.012	2.883	2.559	2.194	1.905	1.733	1.678	2.953
2.730	2.901	2.770	2.448	2.093	1.820	1.665	1.616	3.324
3.131	2.810	2.678	2.357	2.008	1.742	1.596	1.553	3.730
3.565	2.741	2.607	2.281	1.934	1.675	1.534	1.493	4.169
4.032	2.694	2.556	2.222	1.872	1.617	1.482	1.443	4.641
4.529	2.666	2.523	2.179	1.824	1.569	1.439	1.402	5.145
4.877	2.656	2.509	2.158	1.798	1.542	1.414	1.379	5.498
5.424	2.653	2.500	2.136	1.767	1.508	1.381	1.349	6.051
5.998	2.662	2.502	2.125	1.745	1.481	1.354	1.322	6.632
6.599	2.680	2.513	2.121	1.730	1.462	1.333	1.301	7.241
7.227	2.705	2.532	2.125	1.721	1.447	1.318	1.286	7.877
7.881	2.736	2.556	2.134	1.717	1.437	1.307	1.275	8.538
8.560	2.771	2.584	2.147	1.717	1.431	1.300	1.268	9.227
9.267	2.808	2.614	2.163	1.720	1.427	1.296	1.264	9.942
10.000	2.846	2.646	2.182	1.726	1.426	1.294	1.262	10.685
10.762	2.883	2.679	2.202	1.733	1.427	1.293	1.262	11.456
11.554	2.920	2.712	2.223	1.742	1.429	1.295	1.264	12.258
12.377	2.955	2.744	2.245	1.752	1.432	1.297	1.268	13.091
13.232	2.988	2.774	2.266	1.763	1.436	1.301	1.272	13.957
13.822	3.009	2.793	2.280	1.770	1.440	1.304	1.275	14.554
14.737	3.038	2.820	2.301	1.781	1.445	1.309	1.281	15.480
15.690	3.064	2.845	2.321	1.793	1.451	1.314	1.287	16.445
16.682	3.087	2.868	2.340	1.804	1.457	1.320	1.294	17.449
17.701	3.108	2.889	2.358	1.815	1.462	1.326	1.301	18.482
18.744	3.127	2.908	2.374	1.825	1.468	1.331	1.307	19.538
19.811	3.143	2.924	2.390	1.835	1.474	1.337	1.314	20.618
20.903	3.157	2.939	2.404	1.845	1.479	1.342	1.320	21.723
22.022	3.169	2.952	2.416	1.854	1.485	1.347	1.326	22.856
23.169	3.180	2.964	2.428	1.862	1.490	1.352	1.332	24.018
24.348	3.188	2.974	2.439	1.870	1.495	1.356	1.338	25.211
25.559	3.195	2.983	2.449	1.877	1.499	1.361	1.343	26.437
26.807	3.201	2.990	2.458	1.885	1.504	1.365	1.348	27.701
27.660	3.204	2.995	2.464	1.889	1.507	1.367	1.351	28.564
28.973	3.207	3.000	2.471	1.895	1.511	1.371	1.355	29.894
30.329	3.209	3.005	2.479	1.901	1.515	1.374	1.359	31.267
31.730	3.211	3.008	2.485	1.907	1.519	1.377	1.362	32.686
33.179	3.212	3.011	2.491	1.912	1.523	1.380	1.366	34.152
34.678	3.213	3.012	2.497	1.917	1.526	1.382	1.368	35.670

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
36.229	3.213	3.013	2.502	1.922	1.530	1.385	1.371	37.240
37.835	3.213	3.014	2.506	1.926	1.533	1.387	1.373	38.866
39.498	3.213	3.015	2.510	1.930	1.536	1.389	1.375	40.550
41.221	3.213	3.015	2.514	1.933	1.539	1.391	1.377	42.294
43.006	3.213	3.016	2.517	1.937	1.542	1.393	1.379	44.101
44.856	3.213	3.016	2.520	1.940	1.545	1.395	1.380	45.975
46.127	3.213	3.016	2.521	1.942	1.547	1.396	1.381	47.261
48.091	3.212	3.016	2.523	1.945	1.549	1.398	1.382	49.250
50.128	3.212	3.016	2.525	1.948	1.551	1.399	1.383	51.313
52.240	3.212	3.016	2.526	1.951	1.553	1.400	1.384	53.451
54.431	3.212	3.016	2.527	1.953	1.555	1.402	1.385	55.669
56.702	3.211	3.015	2.528	1.956	1.557	1.403	1.385	57.969
59.058	3.211	3.015	2.528	1.959	1.559	1.404	1.386	60.354
61.502	3.211	3.014	2.528	1.962	1.560	1.405	1.387	62.828
64.036	3.212	3.014	2.528	1.964	1.562	1.406	1.387	65.394
66.665	3.212	3.013	2.528	1.967	1.563	1.407	1.387	68.056
69.392	3.212	3.013	2.528	1.970	1.564	1.408	1.388	70.817
72.221	3.212	3.013	2.527	1.972	1.565	1.409	1.388	73.680
75.155	3.213	3.012	2.527	1.974	1.566	1.410	1.389	76.651
77.171	3.213	3.012	2.526	1.975	1.566	1.411	1.389	78.693
80.290	3.213	3.012	2.525	1.977	1.567	1.411	1.389	81.850
83.525	3.214	3.012	2.525	1.979	1.568	1.412	1.390	85.126
86.881	3.214	3.012	2.524	1.980	1.569	1.413	1.390	88.523
90.362	3.215	3.012	2.523	1.981	1.570	1.413	1.390	92.048
93.973	3.215	3.012	2.522	1.982	1.571	1.414	1.390	95.704
97.720	3.216	3.012	2.521	1.983	1.572	1.414	1.391	99.497
101.606	3.216	3.012	2.521	1.984	1.573	1.415	1.391	103.432
105.638	3.217	3.012	2.520	1.984	1.574	1.415	1.391	107.514
109.820	3.217	3.012	2.519	1.984	1.575	1.416	1.391	111.749
114.159	3.217	3.012	2.518	1.985	1.576	1.416	1.391	116.142
118.661	3.218	3.012	2.518	1.985	1.577	1.416	1.391	120.699
123.331	3.218	3.012	2.517	1.985	1.578	1.416	1.391	125.428
126.541	3.218	3.013	2.517	1.985	1.578	1.417	1.392	128.678
131.506	3.219	3.013	2.516	1.984	1.579	1.417	1.392	133.705
136.657	3.219	3.013	2.516	1.984	1.580	1.417	1.392	138.921
142.002	3.219	3.013	2.515	1.984	1.581	1.417	1.392	144.332
147.547	3.219	3.013	2.515	1.984	1.582	1.417	1.392	149.946
153.300	3.219	3.014	2.514	1.983	1.583	1.417	1.392	155.771
159.270	3.219	3.014	2.514	1.983	1.584	1.417	1.392	161.815
165.463	3.219	3.014	2.514	1.983	1.505	1.417	1.392	168.085
171.889	3.220	3.014	2.514	1.982	1.585	1.417	1.392	174.591
178.556	3.220	3.014	2.514	1.982	1.586	1.417	1.392	181.342
185.474	3.220	3.015	2.513	1.981	1.587	1.417	1.392	188.346
192.652	3.220	3.015	2.513	1.981	1.587	1.418	1.392	195.613
200.100	3.220	3.015	2.513	1.980	1.588	1.418	1.391	203.153

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	12.786	12.246	10.868	9.198	7.751	6.819	6.500	1.414
1.035	12.235	11.717	10.395	8.802	7.428	6.545	6.246	1.607
1.219	11.670	11.170	9.898	8.385	7.101	6.286	6.011	1.794
1.506	10.818	10.346	9.159	7.766	6.600	5.869	5.624	2.085
1.843	9.942	9.496	8.388	7.113	6.071	5.433	5.221	2.426
2.230	9.101	8.683	7.640	6.470	5.547	5.003	4.828	2.817
2.666	8.382	7.968	6.967	5.882	5.054	4.588	4.445	3.259
3.148	7.790	7.382	6.405	5.375	4.611	4.192	4.067	3.747
3.673	7.339	6.924	5.945	4.942	4.224	3.848	3.737	4.279
4.234	7.012	6.583	5.586	4.587	3.894	3.551	3.457	4.847
4.825	6.793	6.343	5.313	4.305	3.621	3.293	3.209	5.445
5.440	6.663	6.186	5.111	4.082	3.399	3.076	2.994	6.067
6.072	6.605	6.097	4.968	3.907	3.218	2.898	2.816	6.708
6.718	6.606	6.063	4.871	3.773	3.071	2.752	2.670	7.361
7.372	6.656	6.073	4.811	3.669	2.952	2.631	2.550	8.024
8.199	6.773	6.137	4.778	3.574	2.833	2.506	2.426	8.861
8.864	6.900	6.221	4.778	3.519	2.758	2.424	2.342	9.534
9.531	7.050	6.327	4.798	3.480	2.696	2.356	2.272	10.210
10.199	7.217	6.451	4.834	3.453	2.645	2.299	2.213	10.886
10.866	7.394	6.588	4.882	3.437	2.603	2.251	2.164	11.561
11.533	7.580	6.733	4.941	3.429	2.568	2.210	2.123	12.236
12.197	7.771	6.886	5.009	3.428	2.540	2.175	2.087	12.909
12.859	7.964	7.042	5.083	3.433	2.516	2.146	2.057	13.579
13.520	8.157	7.201	5.163	3.443	2.497	2.121	2.032	14.248
14.179	8.348	7.361	5.246	3.457	2.482	2.099	2.010	14.915
14.836	8.533	7.520	5.333	3.475	2.469	2.080	1.991	15.581
15.494	8.711	7.677	5.422	3.495	2.459	2.064	1.975	16.247
16.154	8.878	7.830	5.512	3.519	2.452	2.051	1.962	16.915
16.817	9.034	7.978	5.604	3.544	2.446	2.039	1.950	17.586
17.485	9.176	8.119	5.697	3.572	2.442	2.029	1.940	18.263
18.332	9.333	8.284	5.814	3.610	2.440	2.018	1.930	19.120
19.022	9.440	8.406	5.907	3.642	2.439	2.011	1.924	19.819
19.726	9.528	8.518	5.999	3.676	2.440	2.005	1.918	20.532
20.448	9.598	8.618	6.090	3.711	2.441	2.000	1.914	21.263
21.191	9.649	8.704	6.180	3.748	2.444	1.996	1.911	22.014
21.958	9.682	8.776	6.268	3.787	2.448	1.993	1.910	22.791
22.753	9.698	8.831	6.354	3.827	2.452	1.991	1.910	23.596
23.581	9.701	8.870	6.437	3.868	2.458	1.990	1.910	24.435
24.446	9.692	8.893	6.517	3.911	2.464	1.989	1.912	25.310
25.352	9.677	8.901	6.593	3.955	2.472	1.989	1.915	26.228
26.305	9.657	8.896	6.663	4.001	2.480	1.990	1.918	27.193
27.310	9.635	8.882	6.727	4.047	2.490	1.991	1.923	28.210
28.373	9.612	8.862	6.783	4.094	2.500	1.993	1.929	29.286
29.496	9.589	8.838	6.830	4.142	2.512	1.995	1.936	30.423
30.688	9.568	8.812	6.865	4.190	2.525	1.997	1.943	31.630

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.286	9.544	8.781	6.894	4.251	2.543	2.001	1.954	33.248
33.660	9.528	8.758	6.904	4.299	2.560	2.004	1.963	34.640
35.130	9.514	8.738	6.905	4.347	2.578	2.007	1.972	36.128
36.700	9.503	8.721	6.899	4.396	2.597	2.010	1.982	37.717
38.361	9.496	8.707	6.887	4.443	2.619	2.014	1.991	39.399
40.086	9.492	8.698	6.873	4.488	2.641	2.017	2.000	41.145
41.877	9.491	8.691	6.858	4.530	2.664	2.021	2.008	42.959
43.737	9.490	8.687	6.842	4.568	2.688	2.026	2.015	44.842
45.667	9.491	8.684	6.827	4.601	2.712	2.031	2.021	46.796
47.671	9.492	8.684	6.812	4.629	2.736	2.036	2.027	48.825
49.752	9.493	8.684	6.799	4.652	2.760	2.042	2.032	50.931
51.911	9.495	8.684	6.786	4.670	2.783	2.048	2.036	53.117
54.152	9.497	8.685	6.774	4.684	2.805	2.055	2.039	55.386
56.478	9.500	8.686	6.764	4.694	2.827	2.062	2.042	57.741
58.892	9.502	8.687	6.754	4.701	2.847	2.070	2.044	60.185
62.039	9.506	8.688	6.743	4.706	2.871	2.080	2.045	63.372
64.664	9.509	8.689	6.736	4.707	2.890	2.089	2.046	66.030
67.389	9.512	8.690	6.729	4.706	2.908	2.098	2.047	68.789
70.219	9.514	8.690	6.723	4.704	2.925	2.106	2.047	71.654
73.156	9.517	8.691	6.717	4.701	2.941	2.115	2.047	74.628
76.206	9.520	8.691	6.712	4.696	2.956	2.124	2.047	77.715
79.372	9.522	8.692	6.708	4.691	2.970	2.132	2.047	80.921
82.659	9.525	8.693	6.704	4.685	2.983	2.141	2.047	84.249
86.073	9.527	8.694	6.700	4.679	2.995	2.149	2.047	87.706
89.618	9.529	8.695	6.696	4.672	3.006	2.157	2.047	91.294
93.299	9.531	8.696	6.694	4.665	3.016	2.164	2.048	95.021
97.121	9.533	8.698	6.691	4.658	3.024	2.171	2.048	98.892
101.091	9.535	8.699	6.689	4.651	3.032	2.177	2.049	102.911
105.214	9.536	8.701	6.687	4.644	3.039	2.184	2.050	107.085
109.496	9.538	8.702	6.686	4.637	3.045	2.189	2.051	111.421
115.082	9.539	8.704	6.685	4.628	3.051	2.196	2.052	117.077
119.746	9.540	8.706	6.685	4.622	3.056	2.201	2.053	121.798
124.590	9.540	8.707	6.685	4.616	3.059	2.205	2.055	126.702
129.621	9.540	8.708	6.685	4.610	3.062	2.210	2.056	131.797
134.847	9.541	8.710	6.686	4.604	3.064	2.214	2.058	137.088
140.276	9.541	8.711	6.687	4.598	3.066	2.218	2.059	142.584
145.915	9.540	8.712	6.688	4.593	3.067	2.221	2.060	148.294
151.773	9.540	8.713	6.690	4.588	3.068	2.225	2.062	154.225
157.858	9.540	8.713	6.692	4.583	3.068	2.228	2.063	160.386
164.179	9.539	8.714	6.694	4.579	3.068	2.231	2.065	166.785
170.745	9.539	8.715	6.696	4.575	3.067	2.234	2.066	173.433
177.566	9.538	8.715	6.698	4.571	3.067	2.237	2.067	180.339
184.651	9.538	8.715	6.700	4.568	3.066	2.239	2.068	187.512
192.010	9.537	8.715	6.702	4.564	3.065	2.242	2.069	194.963
201.612	9.536	8.715	6.704	4.561	3.063	2.244	2.070	204.685

MACH NO = 15.00 CONF ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	27.870	26.675	23.631	19.952	16.768	14.723	14.024	1.414
1.030	26.551	25.412	22.507	19.013	16.005	14.077	13.424	1.603
1.276	24.758	23.677	20.942	17.701	14.964	13.236	12.656	1.851
1.648	22.259	21.263	18.777	15.890	13.503	12.021	11.528	2.228
2.095	19.834	18.910	16.631	14.057	12.000	10.770	10.370	2.680
2.505	18.065	17.179	15.028	12.678	10.866	9.836	9.517	3.096
3.081	16.280	15.418	13.364	11.201	9.598	8.721	8.456	3.679
3.718	14.953	14.082	12.045	9.979	8.518	7.761	7.541	4.324
4.403	14.039	13.133	11.057	9.017	7.627	6.955	6.778	5.017
4.977	13.553	12.603	10.465	8.413	7.050	6.408	6.246	5.598
5.716	13.190	12.170	9.921	7.824	6.469	5.846	5.688	6.347
6.470	13.043	11.938	9.548	7.380	6.013	5.400	5.247	7.111
7.231	13.067	11.862	9.303	7.046	5.654	5.041	4.892	7.881
7.993	13.224	11.907	9.158	6.793	5.369	4.749	4.599	8.652
8.599	13.423	12.014	9.098	6.637	5.183	4.554	4.401	9.266
9.351	13.739	12.213	9.080	6.487	4.991	4.352	4.193	10.028
10.094	14.109	12.467	9.110	6.377	4.834	4.185	4.024	10.779
10.824	14.523	12.761	9.179	6.298	4.705	4.047	3.885	11.518
11.398	14.882	13.020	9.255	6.253	4.618	3.952	3.789	12.100
12.103	15.363	13.369	9.371	6.215	4.525	3.848	3.685	12.813
12.792	15.874	13.745	9.507	6.193	4.448	3.760	3.596	13.512
13.467	16.408	14.145	9.658	6.184	4.383	3.684	3.519	14.195
14.128	16.952	14.564	9.823	6.186	4.328	3.617	3.452	14.864
14.648	17.385	14.910	9.964	6.194	4.291	3.570	3.404	15.390
15.288	17.915	15.348	10.150	6.211	4.250	3.518	3.351	16.038
15.919	18.422	15.738	10.348	6.235	4.215	3.472	3.304	16.677
16.543	18.895	16.222	10.555	6.265	4.185	3.430	3.262	17.309
17.040	19.244	16.560	10.727	6.292	4.164	3.401	3.232	17.812
17.659	19.637	16.968	10.950	6.332	4.142	3.367	3.198	18.439
18.279	19.976	17.352	11.181	6.375	4.122	3.337	3.167	19.067
18.904	20.258	17.707	11.418	6.424	4.105	3.310	3.140	19.699
19.535	20.481	18.028	11.661	6.476	4.091	3.285	3.116	20.338
20.048	20.615	18.256	11.858	6.521	4.081	3.267	3.099	20.857
20.700	20.731	18.502	12.108	6.582	4.070	3.247	3.080	21.518
21.369	20.793	18.701	12.359	6.647	4.061	3.228	3.063	22.195
22.058	20.806	18.851	12.612	6.716	4.054	3.210	3.048	22.892
22.627	20.787	18.934	12.812	6.776	4.049	3.197	3.037	23.468
23.363	20.733	18.993	13.060	6.854	4.044	3.182	3.026	24.214
24.132	20.653	19.003	13.300	6.939	4.040	3.168	3.016	24.992
24.931	20.554	18.973	13.527	7.029	4.038	3.155	3.007	25.801
25.765	20.444	18.907	13.737	7.124	4.037	3.143	3.001	26.646
26.461	20.354	18.833	13.888	7.205	4.037	3.134	2.997	27.351
27.373	20.245	18.721	14.054	7.312	4.037	3.123	2.993	28.274
28.337	20.147	18.595	14.188	7.427	4.040	3.112	2.992	29.250
29.363	20.065	18.463	14.286	7.551	4.044	3.101	2.991	30.288

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.232	20.012	18.360	14.336	7.656	4.048	3.092	2.992	31.168
31.385	19.962	18.245	14.362	7.796	4.056	3.081	2.994	32.336
32.602	19.930	18.152	14.352	7.944	4.067	3.070	2.997	33.568
33.891	19.911	18.082	14.309	8.099	4.081	3.058	3.002	34.873
34.981	19.903	18.043	14.256	8.227	4.096	3.048	3.007	35.976
36.428	19.901	18.013	14.173	8.390	4.119	3.036	3.013	37.442
37.986	19.904	18.002	14.077	8.552	4.149	3.023	3.020	39.019
39.670	19.911	18.003	13.978	8.708	4.187	3.012	3.027	40.724
41.500	19.920	18.014	13.884	8.851	4.234	3.000	3.034	42.577
43.084	19.929	18.027	13.816	8.951	4.278	2.992	3.039	44.180
45.227	19.939	18.046	13.742	9.054	4.343	2.982	3.045	46.350
47.486	19.949	18.068	13.687	9.128	4.416	2.976	3.048	48.637
49.841	19.956	18.090	13.648	9.175	4.495	2.972	3.048	51.021
51.796	19.960	18.103	13.624	9.196	4.562	2.971	3.047	53.001
54.334	19.965	18.116	13.601	9.206	4.650	2.973	3.045	55.571
56.981	19.970	18.122	13.585	9.202	4.740	2.979	3.042	58.251
59.741	19.975	18.124	13.573	9.187	4.829	2.989	3.037	61.046
62.621	19.981	18.123	13.564	9.165	4.915	3.001	3.031	63.961
65.014	19.986	18.121	13.559	9.142	4.980	3.013	3.027	66.384
68.122	19.992	18.118	13.555	9.108	5.056	3.031	3.020	69.531
71.365	19.999	18.114	13.552	9.072	5.123	3.051	3.014	72.815
74.749	20.005	18.112	13.548	9.036	5.181	3.073	3.007	76.241
77.563	20.010	18.110	13.546	9.008	5.221	3.093	3.002	79.089
81.217	20.016	18.109	13.542	8.975	5.265	3.118	2.996	82.789
85.031	20.021	18.110	13.538	8.945	5.301	3.146	2.990	86.650
89.011	20.026	18.111	13.533	8.918	5.332	3.174	2.985	90.680
93.166	20.029	18.115	13.529	8.893	5.357	3.202	2.981	94.887
96.621	20.032	18.118	13.526	8.874	5.373	3.224	2.978	98.385
101.109	20.034	18.122	13.523	8.852	5.391	3.252	2.975	102.929
105.795	20.036	18.127	13.521	8.831	5.405	3.279	2.973	107.674
110.688	20.038	18.132	13.520	8.812	5.416	3.305	2.972	112.627
114.756	20.039	18.136	13.520	8.797	5.422	3.324	2.973	116.746
120.044	20.039	18.141	13.520	8.780	5.427	3.347	2.973	122.100
125.564	20.040	18.145	13.522	8.764	5.428	3.368	2.975	127.689
131.328	20.040	18.148	13.525	8.749	5.427	3.387	2.978	133.525
137.346	20.039	18.151	13.528	8.735	5.424	3.405	2.981	139.618
142.352	20.039	18.153	13.532	8.725	5.420	3.417	2.984	144.686
148.857	20.038	18.155	13.538	8.713	5.414	3.432	2.988	151.272
155.649	20.037	18.156	13.543	8.702	5.407	3.444	2.993	158.149
162.741	20.036	18.157	13.550	8.691	5.400	3.456	2.998	165.329
168.639	20.035	18.157	13.555	8.684	5.394	3.465	3.002	171.300
176.303	20.034	18.158	13.561	8.675	5.386	3.474	3.007	179.061
184.306	20.033	18.158	13.567	8.668	5.378	3.483	3.012	187.163
192.661	20.032	18.157	13.573	8.662	5.371	3.492	3.017	195.622
201.385	20.031	18.157	13.578	8.657	5.363	3.499	3.022	204.454

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	48.989	46.878	41.500	35.005	29.392	25.789	24.560	1.414
1.085	45.836	43.849	38.801	32.770	27.610	24.312	23.198	1.658
1.340	42.496	40.626	35.905	30.330	25.638	22.686	21.697	1.916
1.723	38.002	36.283	32.003	27.062	23.003	20.499	19.668	2.304
2.180	33.707	32.136	28.219	23.824	20.349	18.296	17.636	2.766
2.708	30.026	28.498	24.835	20.897	17.909	16.239	15.729	3.301
3.427	26.637	25.143	21.626	18.009	15.403	14.014	13.600	4.029
4.084	24.668	23.136	19.604	16.095	13.676	12.478	12.149	4.694
4.779	23.343	21.734	18.105	14.612	12.284	11.185	10.908	5.398
5.499	22.529	20.811	17.019	13.476	11.186	10.131	9.867	6.127
6.234	22.118	20.261	16.251	12.612	10.319	9.291	9.035	6.871
7.122	22.034	19.977	15.641	11.842	9.513	8.494	8.248	7.771
7.861	22.227	19.981	15.329	11.363	8.991	7.963	7.716	8.519
8.593	22.595	20.152	15.153	10.997	8.571	7.528	7.274	9.260
9.315	23.087	20.446	15.083	10.716	8.227	7.172	6.911	9.991
10.024	23.669	20.829	15.094	10.503	7.944	6.877	6.613	10.709
10.854	24.468	21.373	15.188	10.317	7.666	6.584	6.319	11.549
11.527	25.215	21.887	15.317	10.205	7.476	6.379	6.114	12.231
12.183	26.036	22.455	15.480	10.125	7.315	6.202	5.936	12.894
12.820	26.920	23.075	15.673	10.070	7.179	6.049	5.782	13.539
13.440	27.852	23.744	15.890	10.034	7.063	5.916	5.646	14.167
14.162	29.006	24.601	16.181	10.014	6.945	5.778	5.506	14.898
14.747	29.971	25.350	16.446	10.012	6.861	5.678	5.403	15.491
15.320	30.917	26.116	16.732	10.022	6.788	5.588	5.312	16.070
15.881	31.826	26.890	17.036	10.042	6.724	5.509	5.231	16.639
16.434	32.681	27.660	17.359	10.071	6.667	5.437	5.158	17.198
16.980	33.469	28.416	17.699	10.108	6.616	5.372	5.092	17.751
17.629	34.308	29.289	18.128	10.162	6.562	5.303	5.021	18.408
18.167	34.910	29.977	18.503	10.214	6.522	5.251	4.968	18.953
18.706	35.416	30.620	18.891	10.272	6.487	5.203	4.921	19.499
19.247	35.823	31.209	19.291	10.336	6.454	5.159	4.878	20.047
19.794	36.132	31.736	19.704	10.407	6.425	5.118	4.839	20.600
20.459	36.377	32.279	20.212	10.498	6.393	5.072	4.797	21.274
21.025	36.483	32.649	20.646	10.581	6.369	5.036	4.765	21.846
21.604	36.509	32.940	21.086	10.670	6.348	5.002	4.735	22.433
22.200	36.463	33.149	21.530	10.766	6.328	4.970	4.706	23.036
22.815	36.355	33.276	21.975	10.868	6.310	4.939	4.680	23.659
23.580	36.155	33.323	22.501	11.001	6.290	4.903	4.650	24.434
24.239	35.946	33.280	22.924	11.119	6.275	4.875	4.628	25.100
24.920	35.712	33.168	23.326	11.246	6.261	4.848	4.608	25.790
25.627	35.469	32.997	23.701	11.382	6.248	4.821	4.589	26.506
26.366	35.233	32.773	24.040	11.529	6.235	4.795	4.572	27.254
27.299	34.979	32.456	24.390	11.722	6.221	4.765	4.555	28.199
28.123	34.801	32.169	24.624	11.899	6.211	4.739	4.541	29.033
28.994	34.658	31.882	24.795	12.094	6.201	4.714	4.530	29.915

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.905	34.555	31.620	24.899	12.305	6.192	4.688	4.521	30.837
30.949	34.489	31.397	24.934	12.532	6.184	4.663	4.514	31.793
31.833	34.451	31.219	24.904	12.776	6.179	4.636	4.509	32.789
33.076	34.435	31.066	24.791	13.089	6.177	4.603	4.506	34.047
34.172	34.438	30.988	24.644	13.368	6.181	4.575	4.505	35.158
35.335	34.449	30.951	24.459	13.660	6.190	4.546	4.506	36.335
36.572	34.467	30.947	24.250	13.959	6.206	4.516	4.508	37.588
37.897	34.490	30.968	24.032	14.259	6.232	4.485	4.511	38.929
39.621	34.525	31.013	23.779	14.607	6.276	4.446	4.514	40.674
41.185	34.556	31.060	23.590	14.872	6.328	4.413	4.517	42.258
42.884	34.584	31.114	23.428	15.104	6.396	4.381	4.518	43.978
44.730	34.602	31.172	23.300	15.291	6.482	4.350	4.517	45.847
46.682	34.612	31.233	23.211	15.425	6.587	4.321	4.512	47.823
49.167	34.614	31.294	23.142	15.518	6.736	4.292	4.502	50.339
51.376	34.613	31.328	23.108	15.548	6.881	4.274	4.492	52.577
53.737	34.613	31.345	23.087	15.543	7.045	4.261	4.480	54.966
56.239	34.617	31.347	23.077	15.509	7.224	4.253	4.466	57.500
58.845	34.625	31.339	23.076	15.452	7.408	4.251	4.448	60.138
62.114	34.635	31.323	23.082	15.357	7.628	4.256	4.425	63.448
64.964	34.644	31.309	23.090	15.264	7.802	4.268	4.406	66.333
67.932	34.655	31.295	23.098	15.166	7.963	4.284	4.387	69.338
71.023	34.667	31.283	23.103	15.073	8.107	4.305	4.367	72.468
74.243	34.680	31.273	23.105	14.989	8.231	4.332	4.348	75.728
77.597	34.691	31.267	23.103	14.916	8.337	4.364	4.330	79.124
81.807	34.703	31.266	23.098	14.840	8.441	4.408	4.309	83.387
85.477	34.710	31.270	23.091	14.785	8.510	4.450	4.292	87.102
89.301	34.715	31.276	23.085	14.735	8.567	4.495	4.277	90.974
93.285	34.720	31.285	23.077	14.691	8.612	4.544	4.263	95.007
97.436	34.723	31.295	23.070	14.650	8.648	4.594	4.251	99.210
102.648	34.726	31.307	23.063	14.607	8.680	4.656	4.239	104.487
107.193	34.728	31.317	23.057	14.575	8.698	4.708	4.230	109.089
111.930	34.729	31.327	23.054	14.547	8.708	4.760	4.224	113.885
116.867	34.730	31.335	23.052	14.522	8.709	4.810	4.219	118.883
122.012	34.731	31.343	23.054	14.499	8.701	4.857	4.216	124.093
128.475	34.731	31.350	23.058	14.473	8.684	4.910	4.214	130.636
134.110	34.731	31.355	23.065	14.452	8.665	4.951	4.214	136.341
139.984	34.731	31.358	23.073	14.432	8.643	4.989	4.215	142.288
146.105	34.730	31.361	23.083	14.412	8.622	5.022	4.218	148.486
152.486	34.729	31.362	23.093	14.394	8.602	5.054	4.221	154.946
160.498	34.727	31.363	23.107	14.373	8.580	5.087	4.226	163.058
167.485	34.726	31.363	23.118	14.358	8.562	5.113	4.231	170.133
174.767	34.724	31.363	23.130	14.344	8.544	5.136	4.237	177.505
182.356	34.723	31.363	23.140	14.333	8.526	5.157	4.244	185.189
190.265	34.721	31.362	23.151	14.323	8.508	5.176	4.251	193.196
200.196	34.719	31.361	23.162	14.314	8.487	5.196	4.261	203.252

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	76.138	72.849	64.472	54.363	45.630	40.008	38.106	1.414
1.084	71.171	68.079	60.224	50.842	42.821	37.694	35.964	1.657
1.338	65.931	63.022	55.683	47.018	39.728	35.146	33.609	1.914
1.804	57.503	54.878	48.359	40.876	34.767	31.025	29.784	2.386
2.273	50.898	48.493	42.520	35.874	30.667	27.628	26.661	2.861
2.928	44.408	42.086	36.540	30.656	26.262	23.834	23.097	3.524
3.540	40.337	38.026	32.614	27.094	23.153	21.078	20.464	4.144
4.337	36.969	34.572	29.101	23.740	20.099	18.340	17.877	4.951
5.038	35.187	32.656	27.003	21.636	18.110	16.466	16.056	5.660
5.903	33.987	31.232	25.240	19.752	16.266	14.693	14.300	6.536
6.633	33.593	30.603	24.241	18.586	15.078	13.534	13.157	7.276
7.510	33.674	30.354	23.456	17.535	13.970	12.423	12.054	8.163
8.234	34.086	30.469	23.064	16.878	13.243	11.680	11.304	8.896
9.089	34.866	30.887	22.830	16.283	12.546	10.964	10.574	9.762
9.787	35.679	31.398	22.783	15.911	12.077	10.479	10.084	10.469
10.603	36.811	32.146	22.859	15.578	11.616	9.998	9.601	11.295
11.263	37.886	32.865	23.003	15.372	11.300	9.661	9.265	11.963
12.030	39.336	33.838	23.248	15.192	10.984	9.317	8.920	12.740
12.648	40.667	34.744	23.501	15.084	10.763	9.073	8.672	13.366
13.248	42.086	35.732	23.792	15.008	10.574	8.860	8.455	13.973
13.944	43.864	37.013	24.185	14.951	10.381	8.638	8.230	14.677
14.506	45.370	38.143	24.549	14.927	10.243	8.477	8.065	15.247
15.162	47.161	39.550	25.027	14.922	10.099	8.308	7.892	15.910
15.694	48.604	40.745	25.458	14.934	9.993	8.182	7.764	16.450
16.320	50.238	42.183	26.012	14.966	9.882	8.048	7.627	17.083
16.833	51.495	43.364	26.504	15.005	9.799	7.949	7.525	17.602
17.440	52.849	44.739	27.127	15.066	9.711	7.841	7.416	18.217
17.942	53.834	45.834	27.672	15.127	9.644	7.759	7.334	18.725
18.541	54.830	47.066	28.356	15.212	9.572	7.669	7.246	19.332
19.042	55.499	48.010	28.950	15.291	9.518	7.600	7.179	19.839
19.645	56.109	49.029	29.689	15.397	9.458	7.523	7.107	20.450
20.154	56.460	49.770	30.324	15.493	9.413	7.462	7.051	20.965
20.774	56.704	50.519	31.110	15.618	9.363	7.393	6.988	21.593
21.302	56.771	51.018	31.780	15.731	9.325	7.338	6.939	22.127
21.952	56.701	51.459	32.598	15.877	9.283	7.275	6.883	22.786
22.512	56.529	51.693	33.288	16.009	9.250	7.225	6.838	23.352
23.088	56.268	51.004	33.977	16.149	9.219	7.176	6.795	23.935
23.797	55.864	51.784	34.786	16.330	9.184	7.120	6.747	24.654
24.407	55.475	51.643	35.436	16.491	9.157	7.075	6.709	25.271
25.167	54.981	51.338	36.174	16.701	9.125	7.022	6.668	26.040
25.826	54.577	50.984	36.743	16.891	9.099	6.980	6.635	26.708
26.655	54.133	50.466	37.355	17.143	9.069	6.929	6.600	27.547
27.382	53.814	49.985	37.789	17.375	9.043	6.888	6.572	28.283
28.304	53.506	49.391	38.200	17.686	9.012	6.838	6.543	29.217
29.107	53.319	48.927	38.434	17.972	8.987	6.797	6.521	30.029

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.100	53.176	48.447	38.578	18.346	8.957	6.748	6.500	31.035
30.959	53.112	48.120	38.583	18.685	8.933	6.707	6.486	31.905
32.034	53.087	47.824	38.462	19.127	8.908	6.655	6.474	32.993
32.974	53.093	47.658	38.265	19.526	8.892	6.611	6.466	33.945
34.165	53.123	47.552	37.934	20.039	8.878	6.555	6.460	35.151
35.219	53.158	47.529	37.600	20.491	8.874	6.507	6.457	36.217
36.569	53.210	47.563	37.160	21.054	8.880	6.447	6.456	37.584
37.777	53.261	47.627	36.787	21.530	8.898	6.393	6.455	38.808
39.343	53.330	47.728	36.364	22.087	8.937	6.325	6.454	40.393
40.759	53.387	47.824	36.050	22.521	8.989	6.267	6.451	41.826
42.290	53.434	47.928	35.785	22.910	9.062	6.209	6.446	43.377
44.252	53.467	48.061	35.550	23.285	9.181	6.141	6.436	45.364
45.960	53.477	48.168	35.422	23.509	9.306	6.087	6.422	47.093
48.112	53.471	48.272	35.326	23.676	9.490	6.030	6.400	49.272
50.006	53.462	48.334	35.283	23.742	9.676	5.990	6.381	51.189
52.423	53.453	48.369	35.259	23.747	9.936	5.950	6.354	53.636
54.579	53.452	48.369	35.257	23.695	10.183	5.923	6.327	55.819
57.373	53.456	48.342	35.271	23.570	10.515	5.899	6.291	58.648
59.906	53.462	48.308	35.293	23.417	10.813	5.889	6.259	61.212
63.151	53.474	48.268	35.328	23.195	11.176	5.885	6.216	64.497
65.976	53.492	48.238	35.357	23.005	11.465	5.890	6.178	67.358
69.518	53.517	48.205	35.380	22.793	11.780	5.908	6.134	70.945
72.603	53.539	48.185	35.390	22.641	12.013	5.931	6.099	74.067
76.470	53.562	48.172	35.391	22.489	12.253	5.970	6.056	77.983
79.837	53.576	48.170	35.385	22.382	12.418	6.011	6.023	81.392
84.059	53.589	48.179	35.375	22.271	12.579	6.072	5.986	85.667
87.737	53.596	48.193	35.364	22.190	12.686	6.130	5.957	89.390
91.564	53.603	48.209	35.351	22.117	12.770	6.195	5.930	93.265
96.365	53.608	48.230	35.335	22.042	12.848	6.279	5.901	98.126
100.547	53.611	48.248	35.321	21.988	12.894	6.355	5.879	102.360
105.794	53.613	48.269	35.306	21.934	12.927	6.449	5.855	107.672
110.365	53.614	48.284	35.297	21.897	12.936	6.529	5.839	112.300
116.099	53.615	48.301	35.292	21.859	12.924	6.625	5.821	118.106
121.095	53.617	48.311	35.293	21.830	12.894	6.703	5.809	123.164
127.364	53.618	48.321	35.300	21.797	12.844	6.793	5.797	129.511
132.825	53.619	48.327	35.310	21.768	12.796	6.864	5.790	135.040
139.677	53.619	48.333	35.325	21.734	12.739	6.945	5.783	141.978
145.646	53.618	48.335	35.341	21.705	12.697	7.008	5.779	148.021
153.135	53.617	48.337	35.361	21.672	12.653	7.078	5.776	155.604
159.660	53.615	48.338	35.380	21.646	12.619	7.132	5.777	162.209
167.845	53.613	48.337	35.402	21.619	12.580	7.191	5.779	170.496
174.975	53.610	48.337	35.420	21.599	12.548	7.236	5.784	177.716
183.920	53.608	48.335	35.441	21.578	12.510	7.284	5.792	186.772
191.713	53.605	48.334	35.456	21.564	12.479	7.318	5.801	194.662
201.488	53.603	48.332	35.473	21.551	12.443	7.354	5.815	204.559

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.844	109.321	104.598	92.556	78.023	65.472	57.403	54.678	1.414
1.084	102.140	97.597	86.411	72.934	61.413	54.053	51.566	1.657
1.407	93.563	88.459	78.127	65.980	55.791	49.401	47.262	1.984
1.802	82.421	78.654	69.303	58.568	49.807	44.435	42.657	2.384
2.371	71.166	67.729	59.295	49.997	42.777	38.612	37.305	2.961
3.039	62.203	58.899	51.032	42.743	36.605	33.234	32.215	3.637
3.660	56.667	53.354	45.626	37.804	32.272	29.403	28.567	4.265
4.463	52.122	48.669	40.827	33.195	28.051	25.591	24.955	5.078
5.307	49.391	45.687	37.495	29.817	24.838	22.543	21.970	5.933
6.028	48.170	44.182	35.560	27.720	22.769	20.551	20.000	6.663
6.899	47.668	43.261	33.976	25.836	20.843	18.662	18.138	7.545
7.767	47.964	43.070	32.990	24.454	19.372	17.179	16.656	8.423
8.481	48.649	43.327	32.509	23.584	18.402	16.187	15.650	9.146
9.322	49.819	43.986	32.236	22.793	17.465	15.226	14.673	9.998
10.006	51.002	44.736	32.201	22.297	16.830	14.571	14.015	10.690
10.803	52.642	45.811	32.325	21.848	16.204	13.916	13.360	11.497
11.573	54.538	47.058	32.582	21.520	15.694	13.371	12.814	12.277
12.193	56.312	48.234	32.874	21.318	15.339	12.983	12.423	12.905
12.911	58.644	49.810	33.298	21.143	14.979	12.585	12.018	13.632
13.602	61.140	51.553	33.795	21.025	14.678	12.245	11.671	14.331
14.158	63.289	53.111	34.260	20.962	14.463	11.999	11.420	14.894
14.805	65.885	55.077	34.878	20.923	14.239	11.739	11.155	15.550
15.432	68.428	57.110	35.558	20.917	14.044	11.513	10.924	16.184
15.942	70.459	58.826	36.171	20.954	13.901	11.345	10.753	16.700
16.541	72.740	60.878	36.957	20.976	13.748	11.165	10.569	17.307
17.129	74.808	62.886	37.795	21.040	13.612	11.005	10.407	17.902
17.613	76.341	64.502	38.534	21.108	13.510	10.883	10.285	18.392
18.189	77.930	66.345	39.463	21.205	13.398	10.749	10.153	18.975
18.668	79.033	67.779	40.272	21.298	13.314	10.647	10.053	19.460
19.242	80.086	69.357	41.282	21.423	13.221	10.531	9.944	20.042
19.821	80.847	70.753	42.334	21.563	13.137	10.424	9.844	20.627
20.308	81.268	71.765	43.240	21.689	13.072	10.338	9.766	21.121
20.903	81.531	72.778	44.360	21.854	13.001	10.240	9.677	21.723
21.512	81.547	73.561	45.510	22.033	12.935	10.147	9.592	22.340
22.033	81.387	74.030	46.487	22.193	12.883	10.071	9.524	22.867
22.678	81.004	74.367	47.672	22.401	12.825	9.984	9.445	23.520
23.341	80.454	74.459	48.848	22.625	12.771	9.900	9.371	24.192
23.909	79.899	74.352	49.806	22.824	12.728	9.834	9.312	24.766
24.611	79.170	74.014	50.914	23.082	12.678	9.756	9.245	25.477
25.218	78.551	73.571	51.789	23.315	12.637	9.693	9.193	26.092
25.977	77.844	72.976	52.762	23.623	12.588	9.619	9.135	26.860
26.775	77.217	72.051	53.622	23.966	12.538	9.546	9.081	27.668
27.474	76.777	71.310	54.231	24.285	12.496	9.486	9.040	28.376
28.356	76.362	70.425	54.801	24.713	12.444	9.415	8.996	29.270
29.267	76.089	69.632	55.167	25.185	12.391	9.346	8.958	30.192

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.048	75.950	69.065	55.307	25.615	12.347	9.287	8.932	30.983
31.019	75.874	68.518	55.284	26.178	12.296	9.216	8.907	31.965
32.033	75.868	68.121	55.062	26.798	12.249	9.142	8.887	32.992
32.919	75.897	67.908	54.743	27.358	12.215	9.078	8.875	33.889
34.038	75.958	67.783	54.227	28.081	12.180	8.998	8.864	35.021
35.229	76.035	67.778	53.608	28.854	12.156	8.914	8.856	36.228
36.286	76.110	67.843	53.051	29.527	12.148	8.839	8.851	37.298
37.645	76.211	67.977	52.378	30.352	12.156	8.743	8.846	38.674
38.865	76.303	68.118	51.846	31.033	12.181	8.659	8.840	39.909
40.448	76.409	68.307	51.276	31.810	12.238	8.554	8.830	41.512
42.178	76.488	68.508	50.813	32.502	12.336	8.447	8.816	43.263
43.689	76.527	68.682	50.535	32.974	12.449	8.360	8.799	44.793
45.573	76.537	68.875	50.314	33.391	12.623	8.261	8.769	46.701
47.547	76.521	69.032	50.188	33.657	12.847	8.172	8.735	48.700
49.273	76.502	69.126	50.135	33.774	13.076	8.108	8.705	50.447
51.461	76.481	69.182	50.112	33.805	13.400	8.041	8.663	52.662
53.802	76.474	69.181	50.124	33.726	13.782	7.983	8.613	55.033
55.894	76.474	69.147	50.151	33.582	14.143	7.944	8.568	57.150
58.605	76.479	69.084	50.202	33.317	14.620	7.909	8.511	59.896
61.063	76.488	69.025	50.255	33.033	15.046	7.889	8.460	62.384
64.282	76.507	68.954	50.319	32.654	15.573	7.877	8.395	65.642
67.694	76.543	68.895	50.373	32.300	16.075	7.880	8.326	69.098
70.664	76.578	68.858	50.399	32.049	16.458	7.894	8.268	72.105
74.385	76.614	68.831	50.408	31.800	16.863	7.926	8.201	75.872
78.287	76.641	68.826	50.404	31.598	17.206	7.975	8.138	79.822
81.682	76.657	68.835	50.393	31.453	17.442	8.028	8.088	83.259
85.937	76.670	68.859	50.374	31.302	17.671	8.107	8.033	87.568
90.399	76.680	68.890	50.350	31.172	17.846	8.200	7.981	92.085
94.283	76.686	68.918	50.328	31.079	17.956	8.288	7.941	96.018
99.153	76.690	68.952	50.299	30.986	18.050	8.403	7.897	100.948
104.261	76.691	68.983	50.273	30.913	18.103	8.528	7.857	106.120
108.709	76.693	69.007	50.256	30.865	18.114	8.637	7.825	110.624
114.286	76.696	69.030	50.245	30.818	18.086	8.771	7.793	116.270
119.142	76.698	69.046	50.244	30.784	18.030	8.884	7.768	121.187
125.231	76.701	69.060	50.251	30.743	17.936	9.017	7.741	127.352
131.620	76.703	69.069	50.266	30.699	17.833	9.148	7.717	133.820
137.182	76.703	69.075	50.284	30.660	17.752	9.253	7.699	139.452
144.157	76.703	69.079	50.311	30.612	17.668	9.374	7.682	146.513
151.473	76.702	69.081	50.341	30.566	17.594	9.489	7.669	153.921
157.844	76.701	69.082	50.368	30.530	17.538	9.580	7.662	160.371
165.831	76.697	69.081	50.401	30.490	17.474	9.680	7.658	168.458
174.210	76.693	69.080	50.433	30.454	17.414	9.770	7.659	176.941
181.504	76.690	69.079	50.458	30.428	17.366	9.837	7.665	184.326
190.650	76.686	69.077	50.485	30.402	17.310	9.907	7.675	193.586
200.244	76.682	69.075	50.509	30.382	17.255	9.965	7.691	203.300

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	2.285	2.203	1.992	1.730	1.497	1.344	1.291	1.396
.914	2.275	2.192	1.975	1.709	1.475	1.321	1.268	1.486
1.013	2.310	2.226	2.008	1.740	1.503	1.348	1.295	1.585
1.181	2.306	2.221	2.004	1.740	1.509	1.358	1.307	1.757
1.309	2.294	2.209	1.992	1.730	1.503	1.356	1.306	1.887
1.526	2.265	2.181	1.967	1.709	1.488	1.346	1.298	2.106
1.774	2.228	2.144	1.933	1.681	1.468	1.334	1.288	2.358
1.957	2.201	2.118	1.908	1.660	1.452	1.323	1.280	2.544
2.261	2.151	2.070	1.863	1.622	1.426	1.305	1.265	2.853
2.599	2.115	2.031	1.822	1.586	1.401	1.290	1.253	3.197
2.845	2.097	2.012	1.803	1.567	1.384	1.279	1.244	3.446
3.242	2.074	1.990	1.779	1.545	1.361	1.261	1.230	3.849
3.675	2.061	1.975	1.760	1.526	1.343	1.243	1.214	4.289
4.142	2.056	1.968	1.748	1.511	1.331	1.231	1.203	4.764
4.474	2.057	1.967	1.744	1.504	1.325	1.227	1.199	5.100
4.999	2.062	1.970	1.741	1.498	1.318	1.224	1.197	5.633
5.559	2.072	1.977	1.743	1.495	1.314	1.223	1.199	6.202
5.950	2.080	1.984	1.746	1.495	1.313	1.223	1.200	6.599
6.566	2.095	1.996	1.752	1.497	1.313	1.223	1.201	7.224
7.214	2.110	2.009	1.760	1.501	1.316	1.226	1.204	7.882
7.664	2.121	2.019	1.766	1.504	1.318	1.229	1.207	8.340
8.367	2.138	2.033	1.776	1.510	1.322	1.234	1.212	9.053
9.101	2.154	2.047	1.786	1.516	1.327	1.240	1.219	9.799
9.868	2.169	2.061	1.796	1.522	1.332	1.246	1.226	10.577
10.396	2.178	2.069	1.803	1.527	1.336	1.250	1.231	11.114
11.216	2.191	2.082	1.812	1.533	1.341	1.256	1.237	11.947
12.069	2.204	2.093	1.821	1.539	1.346	1.262	1.244	12.812
12.655	2.211	2.100	1.827	1.543	1.349	1.266	1.248	13.407
13.562	2.221	2.110	1.835	1.549	1.354	1.272	1.254	14.328
14.502	2.230	2.118	1.842	1.554	1.358	1.277	1.260	15.283
15.148	2.236	2.124	1.847	1.558	1.361	1.280	1.263	15.939
16.147	2.243	2.131	1.853	1.563	1.365	1.284	1.268	16.953
17.182	2.250	2.138	1.859	1.567	1.369	1.288	1.273	18.004
17.893	2.254	2.142	1.863	1.570	1.371	1.291	1.275	18.726
18.991	2.259	2.147	1.868	1.574	1.375	1.294	1.279	19.842
20.130	2.263	2.152	1.873	1.578	1.378	1.297	1.282	20.998
21.311	2.267	2.156	1.877	1.581	1.380	1.300	1.285	22.197
22.123	2.269	2.158	1.880	1.583	1.382	1.301	1.286	23.021
23.378	2.273	2.162	1.883	1.586	1.385	1.304	1.289	24.296
24.681	2.275	2.165	1.887	1.589	1.387	1.306	1.291	25.619
25.578	2.277	2.167	1.889	1.591	1.388	1.307	1.292	26.530
26.967	2.279	2.169	1.892	1.593	1.390	1.309	1.294	27.940
28.410	2.280	2.171	1.895	1.595	1.392	1.311	1.295	29.406
29.405	2.281	2.173	1.896	1.597	1.393	1.312	1.296	30.416
30.947	2.282	2.174	1.899	1.599	1.395	1.313	1.298	31.982

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
32.552	2.283	2.176	1.901	1.601	1.397	1.314	1.299	33.612
34.224	2.284	2.177	1.903	1.602	1.398	1.315	1.300	35.309
35.377	2.285	2.178	1.904	1.603	1.399	1.316	1.301	36.479
37.166	2.285	2.178	1.906	1.605	1.400	1.317	1.302	38.296
39.030	2.286	2.179	1.908	1.606	1.401	1.318	1.302	40.190
40.317	2.286	2.180	1.909	1.607	1.402	1.318	1.303	41.496
42.315	2.286	2.180	1.910	1.609	1.403	1.319	1.304	43.524
44.397	2.286	2.181	1.911	1.610	1.404	1.320	1.304	45.639
45.835	2.287	2.181	1.912	1.610	1.405	1.320	1.304	47.099
48.067	2.287	2.181	1.913	1.612	1.405	1.321	1.305	49.366
50.395	2.287	2.182	1.914	1.613	1.406	1.322	1.305	51.730
52.824	2.287	2.182	1.915	1.614	1.407	1.322	1.306	54.196
54.508	2.287	2.182	1.915	1.614	1.407	1.322	1.306	55.898
57.105	2.288	2.182	1.916	1.616	1.408	1.323	1.306	58.543
59.821	2.288	2.182	1.916	1.617	1.408	1.323	1.306	61.301
61.697	2.288	2.182	1.917	1.617	1.409	1.323	1.307	63.206
64.612	2.288	2.182	1.917	1.618	1.409	1.324	1.307	66.166
67.653	2.288	2.182	1.917	1.619	1.410	1.324	1.307	69.253
69.752	2.289	2.182	1.917	1.620	1.410	1.324	1.307	71.386
73.015	2.289	2.182	1.917	1.621	1.410	1.325	1.307	74.699
76.419	2.289	2.182	1.917	1.622	1.410	1.325	1.308	78.155
78.770	2.289	2.182	1.917	1.622	1.411	1.325	1.308	80.543
82.424	2.289	2.182	1.917	1.623	1.411	1.325	1.308	84.252
86.235	2.290	2.182	1.917	1.623	1.411	1.326	1.308	88.123
90.212	2.290	2.182	1.917	1.624	1.412	1.326	1.308	92.161
92.958	2.290	2.182	1.917	1.624	1.412	1.326	1.308	94.950
97.227	2.290	2.182	1.917	1.625	1.412	1.326	1.308	99.284
101.680	2.290	2.182	1.917	1.625	1.412	1.326	1.308	103.806
104.756	2.290	2.182	1.917	1.626	1.413	1.326	1.308	106.929
109.536	2.291	2.182	1.916	1.626	1.413	1.326	1.308	111.783
114.524	2.291	2.182	1.916	1.626	1.413	1.326	1.308	116.848
117.969	2.291	2.182	1.916	1.626	1.414	1.326	1.308	120.346
123.323	2.291	2.182	1.916	1.626	1.414	1.326	1.308	125.783
128.910	2.291	2.182	1.916	1.626	1.414	1.326	1.308	131.456
134.740	2.291	2.183	1.916	1.626	1.415	1.326	1.308	137.375
138.766	2.291	2.183	1.916	1.626	1.415	1.326	1.308	141.464
145.024	2.291	2.183	1.916	1.626	1.415	1.326	1.308	147.819
151.555	2.291	2.183	1.915	1.626	1.416	1.326	1.308	154.450
156.065	2.291	2.183	1.915	1.626	1.416	1.326	1.308	159.030
163.076	2.291	2.183	1.915	1.626	1.416	1.326	1.308	166.149
170.392	2.291	2.183	1.915	1.626	1.416	1.326	1.308	173.578
175.445	2.291	2.183	1.915	1.626	1.417	1.326	1.308	178.709
183.299	2.291	2.183	1.915	1.626	1.417	1.326	1.308	186.684
191.495	2.291	2.183	1.915	1.626	1.417	1.326	1.308	195.007
200.048	2.291	2.183	1.915	1.626	1.417	1.326	1.308	203.692

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	3.949	3.795	3.401	2.918	2.493	2.216	2.121	1.396
.966	3.899	3.746	3.351	2.868	2.446	2.173	2.080	1.538
1.079	3.850	3.699	3.311	2.840	2.431	2.165	2.075	1.652
1.276	3.743	3.594	3.213	2.755	2.364	2.113	2.028	1.853
1.502	3.614	3.468	3.097	2.658	2.285	2.049	1.969	2.082
1.756	3.477	3.334	2.973	2.551	2.199	1.980	1.906	2.340
2.038	3.345	3.203	2.851	2.443	2.110	1.907	1.840	2.627
2.349	3.210	3.071	2.724	2.333	2.022	1.838	1.778	2.943
2.690	3.109	2.967	2.620	2.237	1.938	1.768	1.715	3.289
3.059	3.027	2.885	2.536	2.157	1.864	1.700	1.650	3.663
3.455	2.968	2.822	2.467	2.087	1.800	1.640	1.591	4.065
3.877	2.929	2.778	2.415	2.030	1.745	1.589	1.543	4.494
4.477	2.904	2.746	2.368	1.972	1.685	1.535	1.492	5.104
4.955	2.903	2.738	2.346	1.942	1.650	1.501	1.460	5.588
5.453	2.914	2.742	2.336	1.919	1.623	1.472	1.432	6.095
5.972	2.934	2.755	2.334	1.905	1.602	1.450	1.409	6.622
6.511	2.961	2.776	2.338	1.896	1.587	1.433	1.391	7.168
7.068	2.995	2.802	2.349	1.893	1.577	1.421	1.378	7.734
7.644	3.032	2.832	2.363	1.893	1.570	1.412	1.370	8.319
8.238	3.072	2.865	2.381	1.897	1.566	1.407	1.365	8.923
8.851	3.113	2.900	2.402	1.904	1.565	1.404	1.362	9.545
9.484	3.154	2.936	2.424	1.913	1.566	1.403	1.361	10.187
10.136	3.194	2.972	2.448	1.923	1.568	1.403	1.361	10.850
11.039	3.245	3.018	2.480	1.938	1.574	1.406	1.365	11.766
11.742	3.281	3.051	2.504	1.951	1.579	1.410	1.368	12.481
12.470	3.314	3.082	2.527	1.964	1.585	1.415	1.373	13.219
13.222	3.344	3.111	2.550	1.977	1.592	1.420	1.379	13.983
14.002	3.372	3.138	2.572	1.990	1.598	1.425	1.385	14.775
14.810	3.397	3.163	2.593	2.003	1.606	1.432	1.391	15.596
15.649	3.419	3.185	2.613	2.015	1.613	1.438	1.398	16.447
16.521	3.439	3.206	2.632	2.027	1.620	1.444	1.405	17.333
17.429	3.457	3.224	2.649	2.039	1.627	1.451	1.413	18.255
18.371	3.473	3.241	2.665	2.051	1.635	1.458	1.420	19.212
19.337	3.486	3.256	2.681	2.062	1.641	1.464	1.428	20.193
20.663	3.501	3.273	2.699	2.075	1.650	1.472	1.437	21.539
21.690	3.510	3.284	2.711	2.085	1.656	1.478	1.443	22.581
22.745	3.517	3.293	2.723	2.094	1.662	1.483	1.450	23.653
23.833	3.522	3.301	2.733	2.102	1.668	1.488	1.456	24.757
24.954	3.525	3.307	2.743	2.110	1.673	1.493	1.461	25.896
26.110	3.528	3.311	2.751	2.118	1.678	1.498	1.466	27.070
27.305	3.529	3.315	2.759	2.125	1.683	1.502	1.471	28.283
28.539	3.530	3.317	2.766	2.132	1.688	1.506	1.476	29.536
29.815	3.531	3.319	2.772	2.138	1.692	1.509	1.480	30.832
31.134	3.532	3.320	2.778	2.144	1.697	1.513	1.484	32.172
32.500	3.532	3.321	2.783	2.149	1.701	1.516	1.487	33.558

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
34.395	3.532	3.322	2.788	2.156	1.706	1.520	1.491	35.483
35.876	3.532	3.322	2.791	2.160	1.710	1.522	1.494	36.987
37.410	3.532	3.322	2.794	2.165	1.713	1.525	1.496	38.544
38.998	3.531	3.323	2.796	2.169	1.716	1.527	1.498	40.157
40.645	3.531	3.322	2.798	2.173	1.720	1.529	1.500	41.829
42.350	3.531	3.322	2.799	2.177	1.722	1.531	1.502	43.561
44.119	3.531	3.322	2.800	2.180	1.725	1.533	1.503	45.356
45.951	3.530	3.322	2.800	2.184	1.728	1.535	1.504	47.217
47.851	3.530	3.321	2.801	2.188	1.730	1.537	1.506	49.146
49.820	3.530	3.321	2.801	2.191	1.732	1.538	1.507	51.146
51.862	3.530	3.320	2.801	2.194	1.734	1.540	1.508	53.219
54.701	3.531	3.320	2.801	2.198	1.737	1.541	1.509	56.102
56.922	3.531	3.319	2.801	2.200	1.738	1.543	1.510	58.357
59.225	3.531	3.319	2.800	2.203	1.740	1.544	1.510	60.696
61.612	3.531	3.319	2.799	2.205	1.741	1.545	1.511	63.120
64.087	3.532	3.318	2.799	2.207	1.743	1.546	1.511	65.633
66.654	3.532	3.318	2.798	2.208	1.744	1.547	1.512	68.239
69.315	3.533	3.318	2.797	2.209	1.746	1.548	1.512	70.941
72.074	3.533	3.318	2.796	2.210	1.747	1.549	1.513	73.743
74.935	3.533	3.318	2.796	2.211	1.749	1.550	1.513	76.648
77.902	3.534	3.318	2.795	2.212	1.750	1.550	1.514	79.660
80.977	3.534	3.318	2.794	2.212	1.752	1.551	1.514	82.784
85.256	3.535	3.318	2.793	2.213	1.754	1.552	1.515	87.128
88.603	3.535	3.318	2.792	2.213	1.755	1.552	1.515	90.527
92.074	3.536	3.319	2.791	2.213	1.757	1.553	1.515	94.052
95.674	3.536	3.319	2.791	2.213	1.758	1.553	1.515	97.707
99.406	3.537	3.319	2.790	2.213	1.759	1.554	1.515	101.497
103.276	3.537	3.319	2.790	2.212	1.761	1.554	1.516	105.427
107.290	3.537	3.319	2.789	2.212	1.762	1.554	1.516	109.502
111.452	3.537	3.320	2.789	2.212	1.763	1.554	1.516	113.728
115.768	3.538	3.320	2.788	2.211	1.764	1.555	1.516	118.111
120.244	3.538	3.320	2.788	2.211	1.765	1.555	1.516	122.656
124.885	3.538	3.320	2.788	2.210	1.766	1.555	1.516	127.369
131.343	3.538	3.321	2.787	2.210	1.767	1.555	1.516	133.926
136.395	3.538	3.321	2.787	2.209	1.767	1.556	1.516	139.057
141.635	3.538	3.321	2.787	2.209	1.768	1.556	1.516	144.377
147.070	3.538	3.321	2.787	2.208	1.768	1.556	1.516	149.896
152.705	3.538	3.321	2.787	2.208	1.769	1.556	1.516	155.618
158.550	3.538	3.322	2.787	2.207	1.769	1.557	1.516	161.553
164.611	3.538	3.322	2.787	2.207	1.770	1.557	1.515	167.708
170.898	3.538	3.322	2.787	2.206	1.770	1.557	1.515	174.091
177.417	3.538	3.322	2.787	2.206	1.770	1.557	1.515	180.711
184.178	3.538	3.322	2.787	2.205	1.770	1.558	1.515	187.577
191.190	3.538	3.322	2.788	2.205	1.770	1.558	1.515	194.697
200.946	3.538	3.322	2.788	2.205	1.771	1.558	1.515	204.603

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	13.613	13.045	11.595	9.836	8.308	7.319	6.984	1.396
1.008	13.064	12.516	11.117	9.429	7.970	7.031	6.713	1.581
1.179	12.506	11.973	10.621	9.010	7.639	6.768	6.473	1.755
1.444	11.666	11.160	9.887	8.389	7.130	6.340	6.074	2.023
1.834	10.593	10.116	8.933	7.574	6.464	5.783	5.557	2.420
2.194	9.778	9.327	8.201	6.937	5.937	5.345	5.155	2.785
2.596	9.094	8.641	7.548	6.361	5.447	4.926	4.765	3.193
3.150	8.419	7.967	6.889	5.754	4.911	4.443	4.299	3.756
3.630	8.033	7.568	6.474	5.351	4.543	4.113	3.985	4.243
4.136	7.765	7.280	6.155	5.025	4.230	3.827	3.713	4.757
4.798	7.571	7.051	5.868	4.709	3.917	3.523	3.417	5.429
5.343	7.506	6.953	5.712	4.518	3.718	3.325	3.218	5.982
5.898	7.508	6.917	5.607	4.370	3.555	3.163	3.056	6.546
6.458	7.563	6.930	5.543	4.256	3.423	3.028	2.922	7.115
7.164	7.693	7.003	5.510	4.154	3.291	2.890	2.784	7.832
7.730	7.834	7.098	5.514	4.096	3.208	2.798	2.691	8.407
8.296	7.999	7.217	5.540	4.055	3.140	2.721	2.612	8.982
9.002	8.229	7.392	5.596	4.024	3.073	2.642	2.529	9.698
9.564	8.425	7.546	5.656	4.011	3.030	2.591	2.475	10.269
10.124	8.627	7.708	5.727	4.008	2.995	2.547	2.430	10.837
10.818	8.885	7.918	5.828	4.014	2.961	2.502	2.383	11.542
11.370	9.094	8.090	5.916	4.026	2.940	2.471	2.351	12.103
11.919	9.301	8.263	6.008	4.043	2.923	2.446	2.324	12.660
12.465	9.506	8.437	6.104	4.064	2.910	2.424	2.301	13.215
13.145	9.754	8.653	6.227	4.096	2.898	2.401	2.276	13.905
13.688	9.941	8.822	6.328	4.125	2.891	2.385	2.260	14.457
14.232	10.118	8.987	6.430	4.156	2.887	2.372	2.246	15.009
14.916	10.319	9.184	6.559	4.198	2.885	2.359	2.232	15.703
15.468	10.463	9.333	6.663	4.234	2.886	2.350	2.222	16.263
16.025	10.589	9.472	6.767	4.272	2.887	2.342	2.214	16.830
16.735	10.721	9.631	6.896	4.322	2.892	2.335	2.205	17.550
17.315	10.804	9.744	6.999	4.364	2.897	2.330	2.200	18.139
17.909	10.868	9.842	7.101	4.407	2.903	2.327	2.196	18.742
18.674	10.922	9.943	7.225	4.463	2.913	2.325	2.193	19.519
19.307	10.945	10.005	7.321	4.510	2.922	2.324	2.192	20.162
19.963	10.955	10.051	7.414	4.558	2.932	2.324	2.193	20.828
20.644	10.952	10.080	7.504	4.607	2.943	2.326	2.194	21.520
21.536	10.936	10.096	7.608	4.671	2.958	2.329	2.198	22.426
22.287	10.917	10.094	7.685	4.723	2.971	2.332	2.202	23.188
23.074	10.895	10.082	7.753	4.776	2.985	2.336	2.208	23.988
24.116	10.864	10.058	7.826	4.843	3.005	2.343	2.216	25.046
24.999	10.840	10.033	7.872	4.898	3.021	2.348	2.225	25.942
25.931	10.815	10.007	7.906	4.953	3.039	2.355	2.234	26.888
27.173	10.788	9.974	7.933	5.022	3.062	2.364	2.248	28.150
28.237	10.769	9.949	7.942	5.078	3.082	2.371	2.259	29.229

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.369	10.753	9.925	7.942	5.135	3.104	2.379	2.272	30.379
30.576	10.740	9.905	7.934	5.191	3.127	2.388	2.286	31.604
32.198	10.729	9.885	7.916	5.259	3.158	2.399	2.304	33.252
33.593	10.723	9.873	7.899	5.312	3.184	2.408	2.319	34.669
35.080	10.721	9.864	7.879	5.360	3.212	2.417	2.334	36.179
37.046	10.720	9.859	7.856	5.413	3.248	2.428	2.352	38.174
38.685	10.722	9.858	7.839	5.447	3.278	2.437	2.365	39.839
40.387	10.724	9.859	7.824	5.474	3.308	2.446	2.377	41.567
42.605	10.727	9.861	7.807	5.499	3.346	2.458	2.391	43.819
44.454	10.730	9.863	7.795	5.513	3.375	2.468	2.401	45.697
46.374	10.733	9.865	7.784	5.522	3.405	2.478	2.410	47.646
48.365	10.736	9.866	7.775	5.527	3.433	2.488	2.417	49.669
50.961	10.740	9.868	7.766	5.530	3.468	2.502	2.425	52.305
53.126	10.743	9.870	7.759	5.529	3.494	2.513	2.431	54.503
55.374	10.746	9.871	7.754	5.527	3.520	2.524	2.435	56.785
58.303	10.750	9.872	7.748	5.522	3.549	2.539	2.440	59.759
60.747	10.752	9.873	7.743	5.517	3.570	2.551	2.442	62.241
63.283	10.755	9.874	7.740	5.511	3.589	2.562	2.445	64.817
66.591	10.758	9.874	7.735	5.502	3.610	2.577	2.447	68.175
69.351	10.760	9.875	7.732	5.495	3.625	2.588	2.449	70.978
72.216	10.763	9.876	7.730	5.487	3.638	2.599	2.450	73.887
75.952	10.765	9.877	7.727	5.477	3.652	2.612	2.452	77.681
79.071	10.767	9.878	7.725	5.470	3.661	2.622	2.453	80.848
82.309	10.769	9.880	7.723	5.463	3.669	2.632	2.455	84.136
85.671	10.770	9.881	7.721	5.455	3.676	2.641	2.456	87.550
90.056	10.772	9.883	7.720	5.447	3.683	2.652	2.458	92.002
93.716	10.773	9.884	7.719	5.440	3.687	2.660	2.460	95.719
97.517	10.774	9.886	7.719	5.434	3.691	2.668	2.462	99.579
102.476	10.775	9.888	7.718	5.427	3.694	2.677	2.464	104.614
106.614	10.776	9.889	7.719	5.421	3.696	2.684	2.466	108.816
110.913	10.776	9.890	7.719	5.415	3.697	2.690	2.468	113.181
116.520	10.776	9.892	7.720	5.409	3.698	2.697	2.471	118.874
121.201	10.776	9.893	7.721	5.404	3.698	2.702	2.473	123.627
126.062	10.776	9.894	7.723	5.400	3.697	2.706	2.475	128.564
131.111	10.776	9.895	7.724	5.395	3.696	2.711	2.476	133.691
137.698	10.776	9.896	7.727	5.391	3.695	2.716	2.479	140.379
143.196	10.776	9.897	7.728	5.387	3.693	2.719	2.480	145.962
148.907	10.775	9.897	7.730	5.384	3.692	2.722	2.482	151.761
156.357	10.775	9.897	7.732	5.381	3.689	2.726	2.483	159.326
162.576	10.775	9.898	7.734	5.378	3.687	2.728	2.485	165.641
169.036	10.774	9.898	7.736	5.376	3.685	2.731	2.486	172.200
177.461	10.774	9.898	7.738	5.374	3.683	2.733	2.487	180.756
184.495	10.773	9.898	7.740	5.373	3.681	2.735	2.488	187.399
191.801	10.773	9.898	7.741	5.371	3.679	2.737	2.489	195.317
201.330	10.773	9.898	7.743	5.370	3.676	2.739	2.490	204.993

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	29.701	28.444	25.236	21.357	17.993	15.821	15.088	1.396
1.057	27.963	26.768	23.729	20.089	16.967	14.957	14.290	1.630
1.295	26.123	24.986	22.114	18.715	15.846	14.037	13.429	1.872
1.649	23.639	22.581	19.939	16.879	14.351	12.783	12.261	2.232
2.067	21.284	20.287	17.831	15.058	12.840	11.510	11.076	2.656
2.547	19.204	18.237	15.911	13.383	11.438	10.328	9.984	3.143
3.081	17.596	16.641	14.374	11.989	10.223	9.243	8.941	3.686
3.662	16.441	15.458	13.169	10.844	9.188	8.319	8.062	4.276
4.276	15.677	14.643	12.281	9.949	8.341	7.537	7.317	4.900
4.914	15.232	14.125	11.646	9.265	7.671	6.891	6.682	5.547
5.564	15.040	13.842	11.210	8.749	7.142	6.374	6.166	6.207
6.219	15.049	13.743	10.927	8.362	6.723	5.958	5.756	6.872
6.874	15.216	13.790	10.761	8.072	6.393	5.620	5.420	7.537
7.524	15.501	13.949	10.688	7.858	6.130	5.341	5.138	8.198
8.168	15.871	14.192	10.687	7.701	5.919	5.114	4.904	8.851
8.802	16.296	14.496	10.742	7.590	5.748	4.927	4.712	9.495
9.425	16.760	14.840	10.839	7.515	5.608	4.773	4.554	10.127
10.035	17.259	15.213	10.969	7.467	5.494	4.643	4.422	10.747
10.632	17.790	15.611	11.123	7.442	5.400	4.532	4.309	11.353
11.216	18.352	16.035	11.295	7.434	5.322	4.437	4.212	11.946
11.787	18.934	16.482	11.482	7.441	5.258	4.355	4.128	12.526
12.346	19.525	16.948	11.683	7.458	5.205	4.284	4.054	13.094
12.895	20.110	17.427	11.895	7.486	5.162	4.222	3.989	13.651
13.434	20.676	17.911	12.118	7.521	5.126	4.168	3.932	14.199
13.967	21.212	18.393	12.352	7.563	5.096	4.120	3.882	14.740
14.495	21.706	18.864	12.596	7.612	5.072	4.077	3.837	15.275
15.019	22.151	19.317	12.850	7.666	5.052	4.040	3.796	15.808
15.543	22.540	19.745	13.113	7.725	5.037	4.007	3.760	16.340
16.069	22.870	20.141	13.383	7.790	5.024	3.977	3.727	16.874
16.598	23.137	20.500	13.658	7.859	5.015	3.951	3.698	17.411
17.133	23.342	20.817	13.938	7.933	5.009	3.928	3.673	17.955
17.678	23.486	21.087	14.221	8.012	5.005	3.908	3.652	18.508
18.233	23.574	21.307	14.504	8.095	5.003	3.890	3.633	19.072
18.803	23.611	21.475	14.786	8.184	5.004	3.874	3.617	19.650
19.390	23.605	21.592	15.064	8.278	5.006	3.860	3.602	20.246
19.997	23.563	21.658	15.334	8.377	5.011	3.847	3.590	20.863
20.628	23.492	21.678	15.593	8.483	5.017	3.836	3.580	21.503
21.284	23.399	21.655	15.835	8.594	5.026	3.827	3.572	22.169
21.965	23.291	21.598	16.055	8.712	5.035	3.819	3.565	22.861
22.675	23.175	21.511	16.247	8.835	5.047	3.812	3.561	23.582
23.420	23.059	21.401	16.409	8.966	5.060	3.806	3.559	24.338
24.203	22.951	21.276	16.536	9.104	5.075	3.801	3.559	25.134
25.031	22.857	21.142	16.625	9.250	5.091	3.797	3.561	25.975
25.910	22.781	21.011	16.675	9.406	5.110	3.794	3.565	26.867
26.838	22.724	20.892	16.686	9.569	5.131	3.792	3.570	27.809

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.810	22.685	20.794	16.664	9.738	5.154	3.790	3.578	28.797
28.834	22.661	20.719	16.611	9.911	5.181	3.788	3.588	29.856
29.919	22.649	20.667	16.536	10.086	5.211	3.787	3.599	30.938
31.073	22.646	20.636	16.445	10.260	5.247	3.785	3.613	32.110
32.309	22.649	20.624	16.343	10.428	5.288	3.785	3.629	33.365
33.637	22.656	20.625	16.240	10.583	5.337	3.785	3.646	34.714
35.073	22.667	20.636	16.143	10.722	5.394	3.784	3.665	36.171
36.629	22.680	20.653	16.058	10.838	5.462	3.785	3.685	37.751
38.324	22.695	20.674	15.988	10.927	5.541	3.787	3.706	39.472
40.152	22.708	20.698	15.936	10.980	5.631	3.790	3.726	41.328
42.100	22.719	20.722	15.901	11.023	5.733	3.795	3.745	43.307
44.183	22.725	20.743	15.878	11.034	5.844	3.804	3.763	45.422
46.368	22.732	20.759	15.865	11.029	5.960	3.816	3.778	47.640
48.646	22.738	20.767	15.859	11.010	6.078	3.832	3.791	49.953
51.022	22.744	20.770	15.855	10.982	6.193	3.851	3.801	52.366
53.500	22.750	20.769	15.855	10.946	6.300	3.875	3.810	54.883
56.087	22.756	20.766	15.856	10.906	6.398	3.902	3.817	57.509
58.786	22.762	20.762	15.858	10.864	6.483	3.932	3.822	60.250
61.603	22.767	20.759	15.859	10.823	6.555	3.966	3.825	63.110
64.543	22.773	20.756	15.859	10.785	6.615	4.003	3.828	66.096
67.612	22.778	20.754	15.857	10.751	6.665	4.041	3.829	69.212
70.815	22.784	20.751	15.855	10.721	6.704	4.082	3.830	72.464
74.159	22.788	20.755	15.851	10.694	6.736	4.124	3.831	75.860
77.650	22.792	20.757	15.847	10.670	6.761	4.166	3.832	79.405
81.294	22.795	20.761	15.843	10.649	6.780	4.207	3.834	83.106
85.100	22.798	20.765	15.840	10.630	6.794	4.248	3.836	86.970
89.073	22.800	20.770	15.837	10.612	6.802	4.286	3.839	91.004
93.221	22.802	20.775	15.834	10.596	6.806	4.322	3.842	95.216
97.553	22.803	20.780	15.833	10.582	6.806	4.355	3.847	99.615
102.076	22.805	20.785	15.832	10.569	6.801	4.385	3.852	104.208
106.800	22.805	20.789	15.833	10.557	6.794	4.412	3.857	109.005
111.733	22.806	20.793	15.835	10.546	6.784	4.435	3.862	114.013
116.884	22.806	20.796	15.838	10.535	6.774	4.456	3.868	119.244
122.263	22.806	20.798	15.842	10.524	6.764	4.475	3.874	124.706
127.880	22.806	20.800	15.846	10.515	6.754	4.491	3.880	130.410
133.746	22.806	20.802	15.851	10.506	6.745	4.506	3.885	136.366
139.871	22.806	20.803	15.857	10.497	6.736	4.519	3.891	142.586
146.268	22.805	20.803	15.862	10.490	6.727	4.531	3.897	149.082
152.948	22.804	20.803	15.867	10.484	6.718	4.541	3.903	155.865
159.923	22.804	20.803	15.873	10.479	6.709	4.551	3.909	162.948
167.207	22.803	20.803	15.877	10.475	6.700	4.558	3.915	170.344
174.814	22.803	20.803	15.882	10.472	6.691	4.565	3.921	178.068
182.756	22.802	20.802	15.885	10.470	6.683	4.571	3.928	186.133
191.050	22.802	20.802	15.889	10.469	6.674	4.576	3.934	194.554
201.487	22.801	20.801	15.892	10.469	6.665	4.580	3.942	205.153

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	52.226	50.003	44.336	37.483	31.551	27.723	26.431	1.396
1.055	49.072	46.964	41.607	35.195	29.700	26.182	24.991	1.628
1.291	45.765	43.764	38.710	32.733	27.692	24.514	23.448	1.868
1.719	40.439	38.606	34.046	28.792	24.480	21.821	20.937	2.303
2.145	35.267	34.567	30.333	25.578	21.812	19.579	18.860	2.735
2.734	32.116	30.447	26.454	22.177	18.934	17.102	16.538	3.333
3.281	29.521	27.852	23.927	19.862	16.899	15.286	14.791	3.889
3.988	27.403	25.660	21.652	17.659	14.878	13.467	13.069	4.607
4.606	26.322	24.471	20.304	16.274	13.553	12.215	11.855	5.234
5.239	25.731	23.739	19.346	15.214	12.501	11.197	10.846	5.877
6.005	25.530	23.328	18.585	14.272	11.519	10.236	9.896	6.655
6.644	25.693	23.287	18.198	13.694	10.885	9.596	9.263	7.303
7.402	26.180	23.512	17.956	13.181	10.288	8.975	8.638	8.073
8.024	26.754	23.868	17.896	12.870	9.894	8.558	8.211	8.705
8.755	27.568	24.430	17.953	12.602	9.515	8.153	7.796	9.447
9.349	28.322	24.972	18.079	12.446	9.259	7.876	7.515	10.050
10.043	29.315	25.688	18.299	12.321	9.009	7.598	7.235	10.755
10.604	30.221	26.339	18.524	12.256	8.838	7.402	7.036	11.324
11.150	31.192	27.042	18.778	12.220	8.695	7.231	6.862	11.879
11.785	32.421	27.951	19.114	12.205	8.553	7.056	6.681	12.524
12.300	33.472	28.755	19.419	12.213	8.455	6.930	6.550	13.047
12.901	34.729	29.759	19.813	12.242	8.357	6.798	6.412	13.657
13.391	35.746	30.614	20.164	12.280	8.288	6.702	6.311	14.155
13.967	36.900	31.640	20.613	12.340	8.218	6.601	6.204	14.739
14.439	37.785	32.480	21.009	12.400	8.168	6.526	6.124	15.219
14.907	38.588	33.293	21.423	12.468	8.126	6.459	6.052	15.694
15.465	39.428	34.217	21.943	12.561	8.082	6.388	5.975	16.260
15.928	40.018	34.931	22.394	12.646	8.051	6.335	5.917	16.731
16.485	40.588	35.709	22.952	12.758	8.020	6.277	5.857	17.297
16.953	40.949	36.281	23.430	12.859	7.998	6.234	5.812	17.772
17.521	41.250	36.869	24.015	12.988	7.977	6.187	5.764	18.349
18.002	41.399	37.269	24.510	13.104	7.963	6.151	5.728	18.837
18.593	41.468	37.640	25.106	13.253	7.950	6.111	5.689	19.437
19.098	41.446	37.855	25.601	13.385	7.942	6.080	5.659	19.950
19.618	41.358	37.987	26.089	13.526	7.937	6.050	5.630	20.478
20.265	41.181	38.041	26.657	13.706	7.935	6.018	5.599	21.134
20.820	40.985	38.006	27.105	13.866	7.935	5.993	5.576	21.699
21.510	40.709	37.876	27.602	14.071	7.938	5.965	5.550	22.399
22.108	40.463	37.704	27.974	14.253	7.942	5.943	5.532	23.006
22.857	40.170	37.433	28.360	14.489	7.950	5.919	5.513	23.767
23.513	39.946	37.166	28.623	14.701	7.958	5.900	5.499	24.433
24.200	39.752	36.880	28.827	14.929	7.967	5.883	5.488	25.131
25.071	39.564	36.537	28.985	15.227	7.981	5.863	5.477	26.015
25.826	39.452	36.280	29.044	15.490	7.993	5.848	5.471	26.781
26.766	39.362	36.022	29.029	15.823	8.010	5.832	5.467	27.736

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.585	39.320	35.854	28.952	16.114	8.026	5.818	5.468	28.567
28.618	39.300	35.710	28.794	16.477	8.051	5.801	5.473	29.616
29.527	39.301	35.639	28.617	16.788	8.076	5.788	5.481	30.540
30.688	39.315	35.604	28.367	17.163	8.114	5.772	5.494	31.718
31.722	39.334	35.608	28.143	17.471	8.155	5.759	5.507	32.768
32.825	39.360	35.635	27.922	17.765	8.206	5.744	5.523	33.888
34.255	39.397	35.684	27.677	18.088	8.284	5.725	5.546	35.340
35.547	39.434	35.734	27.501	18.321	8.366	5.710	5.567	36.652
37.204	39.476	35.802	27.339	18.542	8.488	5.692	5.591	38.335
38.653	39.505	35.863	27.246	18.672	8.609	5.677	5.611	39.807
40.487	39.523	35.932	27.175	18.766	8.779	5.662	5.633	41.669
42.198	39.531	35.982	27.143	18.798	8.943	5.655	5.651	43.415
43.827	39.533	36.019	27.128	18.795	9.127	5.652	5.668	45.061
46.045	39.535	36.042	27.125	18.752	9.370	5.653	5.686	47.312
48.043	39.537	36.045	27.132	18.685	9.589	5.662	5.700	49.341
50.654	39.542	36.033	27.149	18.575	9.860	5.682	5.714	51.993
53.013	39.548	36.017	27.169	18.466	10.084	5.706	5.722	54.388
55.980	39.557	36.000	27.195	18.336	10.329	5.746	5.727	57.401
58.566	39.566	35.986	27.210	18.235	10.508	5.787	5.730	60.027
61.814	39.578	35.973	27.220	18.130	10.689	5.848	5.731	63.325
64.645	39.590	35.964	27.223	18.056	10.812	5.906	5.731	66.200
67.596	39.600	35.959	27.221	17.992	10.913	5.971	5.730	69.196
71.301	39.610	35.961	27.214	17.927	11.007	6.057	5.728	72.958
74.533	39.616	35.966	27.207	17.880	11.067	6.133	5.727	76.240
78.591	39.622	35.976	27.197	17.832	11.118	6.228	5.726	80.360
82.130	39.627	35.986	27.188	17.799	11.146	6.308	5.727	83.954
86.576	39.631	35.998	27.177	17.766	11.162	6.404	5.728	88.469
90.454	39.634	36.008	27.169	17.744	11.159	6.480	5.730	92.406
94.496	39.636	36.018	27.163	17.726	11.144	6.553	5.733	96.511
99.575	39.638	36.029	27.158	17.707	11.112	6.635	5.738	101.668
104.005	39.640	36.037	27.158	17.692	11.080	6.697	5.742	106.167
109.571	39.641	36.044	27.161	17.674	11.039	6.766	5.748	111.819
114.427	39.642	36.049	27.166	17.658	11.008	6.817	5.753	116.749
120.526	39.643	36.054	27.174	17.639	10.976	6.872	5.759	122.943
125.848	39.643	36.056	27.182	17.623	10.951	6.913	5.764	128.347
132.533	39.643	36.058	27.193	17.606	10.925	6.956	5.772	135.135
138.365	39.643	36.059	27.203	17.592	10.904	6.988	5.780	141.057
144.445	39.642	36.060	27.213	17.580	10.884	7.015	5.789	147.231
152.084	39.642	36.060	27.225	17.568	10.861	7.043	5.801	154.987
158.747	39.641	36.059	27.234	17.559	10.843	7.062	5.813	161.753
167.117	39.640	36.059	27.244	17.551	10.821	7.080	5.828	170.252
174.419	39.639	36.058	27.251	17.546	10.804	7.092	5.841	177.667
183.591	39.638	36.057	27.258	17.542	10.785	7.103	5.858	186.981
191.593	39.637	36.056	27.264	17.541	10.770	7.109	5.873	195.106
201.644	39.637	36.055	27.268	17.542	10.753	7.114	5.890	205.312

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	81.183	77.721	68.892	58.214	48.975	43.032	41.007	1.396
1.054	76.210	72.930	64.592	54.618	46.072	40.599	38.751	1.627
1.353	69.639	66.573	58.852	49.753	42.103	37.293	35.683	1.931
1.795	61.321	58.510	51.545	43.560	37.048	33.060	31.738	2.380
2.231	54.904	52.295	45.818	38.601	32.927	29.605	28.545	2.823
2.830	48.695	46.127	39.996	33.467	28.555	25.793	24.939	3.[illegible]0
3.497	44.222	41.620	35.548	29.354	24.913	22.550	21.838	4.108
4.091	41.727	39.014	32.810	26.673	22.430	20.295	19.703	4.711
4.832	39.925	36.998	30.474	24.244	20.096	18.076	17.535	5.464
5.588	39.128	35.914	28.927	22.482	18.320	16.357	15.831	6.231
6.220	39.058	35.554	28.087	21.392	17.169	15.221	14.712	6.873
6.973	39.515	35.619	27.481	20.418	16.090	14.120	13.617	7.638
7.714	40.390	36.089	27.208	19.715	15.255	13.248	12.731	8.390
8.438	41.522	36.830	27.180	19.213	14.599	12.557	12.023	9.126
9.027	42.592	37.579	27.294	18.912	14.156	12.085	11.544	9.723
9.713	44.015	38.587	27.551	18.657	13.721	11.613	11.069	10.420
10.376	45.605	39.705	27.899	18.490	13.371	11.219	10.672	11.093
10.910	47.057	40.728	28.240	18.402	13.129	10.938	10.386	11.636
11.531	48.924	42.068	28.700	18.345	12.888	10.648	10.088	12.266
12.130	50.676	43.518	29.209	18.328	12.690	10.401	9.831	12.874
12.615	52.522	44.792	29.669	18.340	12.550	10.222	9.644	13.367
13.181	54.465	46.371	30.265	18.380	12.408	10.034	9.446	13.941
13.732	56.319	47.970	30.909	18.444	12.288	9.870	9.273	14.501
14.272	58.038	49.554	31.598	18.529	12.185	9.726	9.120	15.050
14.716	59.341	50.840	32.206	18.614	12.111	9.619	9.006	15.500
15.242	60.724	52.315	32.972	18.730	12.033	9.505	8.884	16.034
15.764	61.893	53.690	33.776	18.862	11.966	9.403	8.775	16.565
16.199	62.697	54.744	34.471	18.983	11.918	9.326	8.695	17.006
16.722	63.455	55.881	35.333	19.140	11.868	9.242	8.608	17.537
17.249	63.993	56.863	36.220	19.310	11.825	9.164	8.531	18.072
17.693	64.285	57.552	36.974	19.463	11.794	9.104	8.471	18.523
18.236	64.463	58.219	37.891	19.658	11.764	9.036	8.406	19.075
18.792	64.471	58.705	38.813	19.869	11.739	8.972	8.344	19.639
19.268	64.361	58.972	39.579	20.056	11.723	8.921	8.295	20.123
19.858	64.102	59.132	40.483	20.297	11.708	8.864	8.239	20.721
20.466	63.732	59.125	41.350	20.555	11.698	8.810	8.187	21.339
21.093	63.280	58.960	42.163	20.831	11.692	8.760	8.139	21.975
21.633	62.868	58.713	42.787	21.079	11.689	8.721	8.102	22.524
22.307	62.370	58.300	43.459	21.399	11.688	8.676	8.062	23.208
23.013	61.904	57.786	44.030	21.749	11.690	8.634	8.026	23.925
23.630	61.561	57.308	44.416	22.066	11.692	8.601	7.999	24.552
24.409	61.221	56.719	44.756	22.483	11.697	8.564	7.970	25.343
25.217	60.974	56.175	44.951	22.932	11.702	8.530	7.948	26.163
25.911	60.832	55.780	45.000	23.329	11.706	8.504	7.933	26.868
26.774	60.729	55.391	44.933	23.833	11.714	8.472	7.922	27.744

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.677	60.687	55.103	44.737	24.366	11.725	8.441	7.918	28.661
28.627	60.686	54.918	44.432	24.925	11.742	8.410	7.920	29.626
29.462	60.706	54.837	44.111	25.405	11.762	8.385	7.926	30.474
30.523	60.744	54.815	43.674	25.990	11.795	8.352	7.937	31.551
31.659	60.797	54.856	43.216	26.569	11.843	8.318	7.954	32.705
32.673	60.850	54.922	42.846	27.035	11.899	8.286	7.971	33.734
33.982	60.924	55.024	42.441	27.555	11.988	8.247	7.995	35.063
35.398	61.002	55.141	42.103	28.007	12.109	8.205	8.020	36.501
36.630	61.063	55.248	41.895	28.311	12.236	8.170	8.041	37.752
38.167	61.113	55.376	41.722	28.578	12.419	8.128	8.063	39.313
39.782	61.139	55.496	41.621	28.744	12.643	8.092	8.086	40.953
41.487	61.146	55.598	41.572	28.818	12.909	8.062	8.108	42.685
42.991	61.143	55.658	41.560	28.819	13.162	8.042	8.125	44.212
44.913	61.139	55.697	41.571	28.753	13.505	8.025	8.141	46.163
46.987	61.138	55.700	41.601	20.620	13.882	8.019	8.155	48.269
48.852	61.140	55.681	41.638	28.466	14.219	8.023	8.165	50.163
51.284	61.145	55.644	41.691	28.242	14.637	8.039	8.174	52.632
53.964	61.149	55.602	41.746	27.998	15.055	8.072	8.182	55.353
56.401	61.155	55.567	41.785	27.799	15.389	8.113	8.186	57.828
59.474	61.175	55.535	41.819	27.598	15.747	8.178	8.183	60.948
62.699	61.198	55.512	41.833	27.434	16.047	8.263	8.179	64.223
65.508	61.215	55.501	41.832	27.321	16.254	8.347	8.175	67.076
69.033	61.232	55.501	41.824	27.209	16.450	8.463	8.170	70.655
72.733	61.245	55.512	41.810	27.114	16.598	8.593	8.165	74.413
76.618	61.254	55.530	41.791	27.035	16.701	8.732	8.161	78.357
80.003	61.261	55.548	41.774	26.982	16.756	8.854	8.158	81.794
84.250	61.267	55.570	41.752	26.933	16.785	9.004	8.155	86.107
88.711	61.272	55.591	41.732	26.899	16.771	9.154	8.153	90.636
92.598	61.275	55.608	41.719	26.878	16.730	9.277	8.152	94.583
97.477	61.278	55.625	41.708	26.359	16.656	9.419	8.151	99.538
102.600	61.281	55.639	41.705	26.840	16.569	9.554	8.150	104.740
107.066	61.284	55.648	41.708	26.822	16.499	9.660	8.149	109.275
112.671	61.287	55.657	41.715	26.797	16.425	9.779	8.149	114.967
118.558	61.289	55.663	41.727	26.771	16.360	9.888	8.150	120.944
124.741	61.290	55.667	41.743	26.744	16.303	9.986	8.154	127.222
130.129	61.290	55.669	41.758	26.721	16.261	10.058	8.160	132.693
136.892	61.290	55.670	41.777	26.696	16.214	10.132	8.171	139.561
143.994	61.289	55.671	41.796	26.672	16.173	10.194	8.186	146.773
150.184	61.288	55.671	41.812	26.655	16.141	10.236	8.201	153.058
157.954	61.287	55.670	41.830	26.637	16.105	10.276	8.223	160.948
166.113	61.285	55.669	41.845	26.623	16.071	10.307	8.247	169.232
173.223	61.284	55.668	41.856	26.614	16.044	10.326	8.270	176.453
182.148	61.283	55.667	41.868	26.607	16.014	10.342	8.297	185.515
191.520	61.282	55.666	41.877	26.605	15.986	10.352	8.325	195.032
201.362	61.281	55.665	41.883	26.607	15.958	10.356	8.353	205.025

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.826	116.580	111.596	98.900	83.555	70.281	61.732	58.832	1.396
1.053	109.383	104.670	92.689	78.359	66.083	58.226	55.572	1.627
1.352	99.898	95.494	84.405	71.340	60.358	53.457	51.142	1.930
1.793	87.896	83.865	73.870	62.416	53.076	47.353	45.456	2.377
2.321	76.970	73.233	64.057	53.924	46.017	41.428	39.982	2.914
2.931	68.414	64.748	56.024	46.792	39.901	36.046	34.853	3.533
3.605	62.345	58.602	49.902	41.089	34.821	31.528	30.551	4.217
4.201	58.997	55.078	46.164	37.403	31.389	28.386	27.563	4.823
4.942	56.615	52.378	42.979	34.065	28.168	25.313	24.548	5.576
5.695	55.617	50.954	40.873	31.640	25.713	22.936	22.196	6.340
6.448	55.670	50.492	39.556	29.879	23.842	21.076	20.364	7.104
7.192	56.501	50.750	38.822	28.598	22.407	19.602	18.887	7.860
7.921	57.847	51.524	38.520	27.671	21.287	18.434	17.694	8.600
8.632	59.501	52.629	38.536	27.008	20.401	17.503	16.745	9.322
9.208	61.047	53.709	38.726	26.608	19.801	16.863	16.099	9.907
9.878	63.112	55.151	39.102	26.266	19.209	16.217	15.450	10.588
10.525	65.428	56.757	39.595	26.040	18.729	15.675	14.902	11.244
11.147	67.982	58.543	40.174	25.900	18.336	15.216	14.433	11.876
11.747	70.715	60.507	40.826	25.827	18.013	14.825	14.029	12.485
12.325	73.542	62.621	41.546	25.807	17.745	14.491	13.680	13.073
12.885	76.373	64.844	42.334	25.831	17.520	14.202	13.378	13.641
13.339	78.673	66.744	43.044	25.878	17.359	13.991	13.156	14.102
13.871	81.296	69.038	43.957	25.964	17.191	13.766	12.918	14.642
14.392	83.714	71.302	44.935	26.077	17.045	13.569	12.709	15.171
14.905	85.879	73.490	45.974	26.214	16.920	13.394	12.523	15.692
15.411	87.758	75.563	47.071	26.372	16.810	13.238	12.358	16.206
15.914	89.328	77.487	48.219	26.551	16.715	13.098	12.211	16.717
16.417	90.583	79.231	49.415	26.748	16.632	12.970	12.080	17.227
16.837	91.388	80.530	50.443	26.926	16.572	12.872	11.982	17.654
17.345	92.080	81.885	51.710	27.155	16.509	12.761	11.873	18.170
17.860	92.491	83.002	53.004	27.403	16.455	12.658	11.773	18.693
18.385	92.646	83.872	54.316	27.668	16.409	12.559	11.678	19.226
18.923	92.566	84.490	55.636	27.954	16.372	12.466	11.588	19.772
19.477	92.273	84.858	56.947	28.262	16.342	12.378	11.502	20.335
20.049	91.793	84.980	58.229	28.593	16.318	12.295	11.420	20.916
20.538	91.282	84.903	59.253	28.887	16.303	12.230	11.355	21.412
21.141	90.577	84.604	60.411	29.263	16.288	12.156	11.282	22.024
21.766	89.828	84.099	61.472	29.672	16.278	12.086	11.215	22.659
22.418	89.095	83.417	62.414	30.118	16.270	12.020	11.154	23.321
23.101	88.430	82.604	63.211	30.607	16.264	11.958	11.098	24.014
23.819	87.864	81.724	63.838	31.147	16.259	11.899	11.048	24.744
24.571	87.421	80.859	64.269	31.738	16.255	11.845	11.005	25.507
25.212	87.157	80.209	64.470	32.262	16.250	11.803	10.976	26.158
26.005	86.944	79.537	64.520	32.931	16.245	11.755	10.949	26.963
26.828	86.835	79.006	64.373	33.643	16.242	11.707	10.932	27.799

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.687	86.802	78.619	64.045	34.398	16.244	11.660	10.923	28.672
28.591	86.822	78.381	63.561	35.191	16.251	11.613	10.922	29.589
29.545	86.874	78.278	62.960	36.013	16.267	11.564	10.927	30.558
30.386	86.934	78.279	62.403	36.712	16.291	11.521	10.937	31.412
31.459	87.022	78.358	61.715	37.549	16.338	11.465	10.954	32.501
32.611	87.127	78.494	61.050	38.362	16.409	11.404	10.975	33.671
33.855	87.245	78.663	60.452	39.123	16.513	11.338	11.001	34.935
35.189	87.364	78.852	59.960	39.791	16.660	11.270	11.028	36.289
36.572	87.468	79.052	59.609	40.325	16.847	11.200	11.052	37.694
38.010	87.531	79.245	59.375	40.713	17.083	11.132	11.075	39.153
39.257	87.559	79.398	59.260	40.930	17.321	11.080	11.095	40.419
40.822	87.567	79.554	59.190	41.071	17.657	11.026	11.118	42.009
42.477	87.559	79.665	59.177	41.094	18.050	10.979	11.137	43.689
44.238	87.547	79.726	59.205	41.008	18.501	10.941	11.152	45.478
46.127	87.539	79.732	59.260	40.822	19.005	10.916	11.164	47.395
48.167	87.539	79.698	59.339	40.547	19.555	10.905	11.174	49.467
50.387	87.541	79.638	59.429	40.207	20.136	10.908	11.180	51.721
52.397	87.543	79.583	59.506	39.898	20.634	10.927	11.185	53.763
55.036	87.551	79.515	59.589	39.529	21.229	10.968	11.189	56.442
57.956	87.568	79.449	59.649	39.193	21.801	11.036	11.189	59.407
61.068	87.600	79.403	59.684	38.922	22.310	11.131	11.180	62.568
64.333	87.634	79.381	59.691	38.709	22.736	11.251	11.170	65.883
67.758	87.659	79.379	59.679	38.535	23.077	11.397	11.161	69.361
71.352	87.678	79.396	59.659	38.392	23.336	11.563	11.151	73.010
74.481	87.689	79.418	59.635	38.291	23.494	11.716	11.144	76.187
78.406	87.700	79.451	59.601	38.193	23.619	11.913	11.136	80.172
82.524	87.709	79.485	59.565	38.122	23.673	12.120	11.127	84.354
86.846	87.716	79.518	59.532	38.076	23.654	12.333	11.119	88.743
91.382	87.720	79.549	59.505	38.047	23.568	12.548	11.109	93.348
96.142	87.725	79.574	59.487	38.029	23.437	12.762	11.099	98.183
101.140	87.730	79.594	59.479	38.010	23.288	12.971	11.088	103.257
105.493	87.735	79.607	59.480	37.991	23.171	13.140	11.079	107.677
110.954	87.740	79.619	59.490	37.962	23.045	13.335	11.070	113.223
116.686	87.744	79.627	59.506	37.928	22.936	13.517	11.063	119.043
122.702	87.746	79.633	59.528	37.892	22.840	13.683	11.062	125.152
129.017	87.747	79.636	59.554	37.854	22.755	13.829	11.067	131.565
135.645	87.748	79.638	59.582	37.816	22.681	13.953	11.079	138.295
142.602	87.747	79.638	59.611	37.780	22.615	14.055	11.097	145.359
148.662	87.745	79.638	59.634	37.753	22.566	14.124	11.118	151.512
156.264	87.743	79.638	59.660	37.724	22.512	14.191	11.147	159.232
164.243	87.741	79.637	59.687	37.700	22.464	14.241	11.182	167.334
172.617	87.739	79.635	59.703	37.683	22.419	14.276	11.219	175.837
181.407	87.737	79.634	59.719	37.672	22.376	14.299	11.259	184.762
190.631	87.735	79.632	59.732	37.669	22.333	14.311	11.299	194.129
200.313	87.735	79.630	59.741	37.672	22.289	14.314	11.339	203.960

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	2.955	2.857	2.599	2.278	1.991	1.800	1.734	1.309
.858	2.985	2.881	2.612	2.280	1.985	1.790	1.723	1.430
.949	3.006	2.902	2.632	2.300	2.004	1.810	1.743	1.524
1.099	3.006	2.900	2.627	2.294	2.003	1.813	1.747	1.680
1.322	2.983	2.875	2.602	2.270	1.983	1.798	1.734	1.910
1.505	2.955	2.847	2.574	2.246	1.963	1.782	1.720	2.100
1.702	2.927	2.818	2.544	2.218	1.940	1.764	1.705	2.304
1.988	2.893	2.783	2.508	2.183	1.909	1.739	1.682	2.600
2.219	2.857	2.749	2.474	2.151	1.881	1.718	1.665	2.839
2.464	2.843	2.729	2.447	2.124	1.857	1.697	1.646	3.092
2.723	2.843	2.727	2.439	2.111	1.843	1.681	1.629	3.360
3.087	2.846	2.729	2.435	2.101	1.833	1.669	1.615	3.738
3.375	2.858	2.737	2.435	2.096	1.826	1.664	1.610	4.036
3.675	2.873	2.749	2.441	2.095	1.820	1.660	1.608	4.346
4.092	2.898	2.771	2.455	2.100	1.818	1.656	1.606	4.778
4.417	2.920	2.790	2.467	2.107	1.820	1.655	1.604	5.114
4.752	2.943	2.811	2.481	2.114	1.825	1.656	1.605	5.461
5.098	2.967	2.832	2.497	2.123	1.830	1.660	1.607	5.819
5.576	2.999	2.861	2.518	2.137	1.839	1.668	1.614	6.314
5.947	3.022	2.882	2.535	2.148	1.846	1.674	1.621	6.699
6.331	3.045	2.903	2.551	2.159	1.854	1.681	1.628	7.096
6.862	3.072	2.929	2.573	2.175	1.865	1.691	1.638	7.645
7.276	3.092	2.948	2.589	2.186	1.874	1.699	1.646	8.074
7.705	3.109	2.965	2.604	2.198	1.882	1.707	1.654	8.518
8.303	3.130	2.986	2.623	2.212	1.893	1.717	1.664	9.137
8.771	3.143	3.000	2.636	2.223	1.902	1.725	1.672	9.623
9.260	3.155	3.013	2.649	2.233	1.910	1.733	1.680	10.128
9.769	3.166	3.024	2.660	2.243	1.919	1.740	1.688	10.655
10.483	3.178	3.037	2.675	2.255	1.929	1.750	1.697	11.395
11.049	3.186	3.045	2.684	2.263	1.936	1.757	1.704	11.980
11.641	3.193	3.053	2.693	2.271	1.943	1.764	1.711	12.594
12.478	3.200	3.061	2.703	2.282	1.952	1.773	1.720	13.460
13.145	3.205	3.067	2.710	2.289	1.958	1.779	1.727	14.150
13.839	3.209	3.072	2.717	2.295	1.964	1.785	1.733	14.869
14.558	3.212	3.076	2.722	2.301	1.969	1.790	1.739	15.613
15.559	3.215	3.080	2.729	2.309	1.976	1.797	1.746	16.650
16.343	3.217	3.082	2.733	2.314	1.980	1.801	1.750	17.461
17.157	3.219	3.084	2.737	2.318	1.984	1.806	1.755	18.304
18.291	3.221	3.086	2.741	2.324	1.989	1.811	1.760	19.478
19.181	3.222	3.088	2.743	2.328	1.993	1.814	1.764	20.399
20.106	3.222	3.089	2.745	2.331	1.996	1.817	1.767	21.357
21.067	3.223	3.089	2.747	2.335	1.999	1.820	1.770	22.352
22.409	3.224	3.090	2.749	2.338	2.002	1.823	1.773	23.741
23.462	3.224	3.091	2.750	2.341	2.005	1.825	1.775	24.832
24.558	3.224	3.091	2.751	2.343	2.007	1.827	1.777	25.966

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
26.088	3 225	3.091	2.752	2.346	2.010	1.830	1.780	27.550
27.290	3.225	3.091	2.752	2.348	2.012	1.832	1.782	28.795
28.541	3.226	3.092	2.752	2.349	2.014	1.833	1.783	30.090
30.288	3.226	3.092	2.753	2.351	2.016	1.835	1.785	31.899
31.661	3.226	3.092	2.753	2.352	2.018	1.836	1.786	33.320
33.090	3.226	3.092	2.753	2.353	2.020	1.837	1.787	34.799
34.577	3.227	3.092	2.753	2.354	2.021	1.838	1.788	36.339
36.655	3.227	3.092	2.753	2.354	2.023	1.839	1.789	38.490
38.289	3.227	3.092	2.753	2.355	2.024	1.840	1.790	40.181
39.989	3.228	3.093	2.753	2.355	2.025	1.840	1.790	41.941
42.364	3.228	3.093	2.752	2.355	2.027	1.841	1.791	44.400
44.231	3.228	3.093	2.752	2.355	2.028	1.842	1.791	46.333
46.175	3.228	3.093	2.752	2.356	2.028	1.842	1.791	48.346
48.199	3.229	3.093	2.752	2.356	2.029	1.843	1.792	50.441
51.026	3.229	3.093	2.752	2.356	2.030	1.844	1.792	53.368
53.249	3.229	3.094	2.752	2.355	2.030	1.844	1.792	55.669
55.563	3.229	3.094	2.752	2.355	2.031	1.844	1.792	58.065
58.797	3.230	3.094	2.752	2.355	2.031	1.845	1.792	61.413
61.339	3.230	3.094	2.752	2.355	2.032	1.845	1.792	64.045
63.986	3.230	3.094	2.752	2.355	2.032	1.846	1.792	66.785
66.741	3.230	3.094	2.752	2.355	2.032	1.846	1.792	69.637
70.592	3.230	3.095	2.752	2.355	2.032	1.846	1.792	73.624
73.619	3.230	3.095	2.752	2.355	2.032	1.847	1.792	76.758
76.771	3.230	3.095	2.752	2.355	2.032	1.847	1.792	80.020
81.175	3.230	3.095	2.752	2.354	2.032	1.847	1.792	84.581
84.638	3.230	3.095	2.752	2.354	2.032	1.847	1.792	88.165
88.243	3.231	3.095	2.752	2.354	2.032	1.847	1.793	91.897
93.281	3.231	3.095	2.752	2.354	2.032	1.848	1.793	97.113
97.242	3.231	3.095	2.752	2.354	2.032	1.848	1.793	101.214
101.365	3.231	3.095	2.753	2.354	2.032	1.848	1.793	105.483
105.659	3.231	3.096	2.753	2.354	2.032	1.848	1.793	109.928
111.659	3.231	3.096	2.753	2.354	2.032	1.848	1.793	116.140
116.377	3.231	3.096	2.753	2.354	2.032	1.848	1.793	121.024
121.288	3.231	3.096	2.753	2.354	2.032	1.848	1.793	126.108
128.152	3.231	3.096	2.753	2.354	2.032	1.848	1.793	133.214
133.548	3.231	3.096	2.753	2.354	2.032	1.848	1.793	138.801
139.166	3.231	3.096	2.753	2.354	2.032	1.848	1.793	144.617
145.016	3.231	3.096	2.753	2.354	2.032	1.848	1.793	150.673
153.191	3.231	3.096	2.753	2.354	2.032	1.848	1.793	159.137
159.618	3.231	3.096	2.753	2.354	2.032	1.848	1.793	165.790
166.309	3.231	3.096	2.753	2.354	2.032	1.848	1.794	172.718
175.661	3.231	3.096	2.753	2.354	2.032	1.848	1.794	182.400
183.013	3.231	3.096	2.753	2.354	2.032	1.848	1.794	190.011
190.668	3.231	3.096	2.753	2.354	2.032	1.848	1.794	197.935
201.366	3.231	3.096	2.753	2.354	2.032	1.848	1.794	209.011

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	5.223	5.032	4.541	3.935	3.399	3.046	2.925	1.309
.849	5.190	4.996	4.496	3.882	3.341	2.989	2.868	1.421
.974	5.137	4.943	4.447	3.844	3.316	2.973	2.855	1.550
1.160	5.018	4.824	4.330	3.735	3.223	2.894	2.783	1.743
1.369	4.878	4.684	4.196	3.615	3.120	2.804	2.697	1.959
1.599	4.738	4.544	4.060	3.490	3.012	2.711	2.609	2.197
1.850	4.614	4.419	3.934	3.371	2.905	2.617	2.521	2.457
2.120	4.503	4.310	3.822	3.261	2.804	2.527	2.436	2.737
2.410	4.424	4.219	3.719	3.159	2.710	2.440	2.353	3.036
2.715	4.393	4.181	3.664	3.090	2.640	2.371	2.284	3.353
3.035	4.383	4.163	3.629	3.041	2.584	2.317	2.230	3.684
3.366	4.401	4.170	3.612	3.005	2.536	2.269	2.185	4.027
3.707	4.437	4.195	3.613	2.984	2.502	2.228	2.145	4.380
4.056	4.489	4.235	3.628	2.976	2.480	2.197	2.110	4.741
4.411	4.551	4.287	3.653	2.976	2.467	2.177	2.086	5.108
4.772	4.622	4.346	3.687	2.985	2.459	2.164	2.071	5.482
5.139	4.696	4.411	3.727	3.000	2.457	2.156	2.063	5.862
5.512	4.773	4.478	3.771	3.020	2.460	2.152	2.058	6.248
5.891	4.848	4.546	3.819	3.043	2.467	2.150	2.055	6.641
6.277	4.920	4.613	3.867	3.068	2.477	2.152	2.054	7.040
6.670	4.987	4.678	3.917	3.097	2.489	2.157	2.056	7.447
7.071	5.047	4.738	3.966	3.126	2.503	2.164	2.062	7.862
7.481	5.102	4.792	4.014	3.156	2.519	2.173	2.069	8.287
7.795	5.140	4.830	4.049	3.179	2.533	2.180	2.075	8.612
8.223	5.185	4.876	4.093	3.209	2.551	2.191	2.084	9.055
8.664	5.226	4.917	4.134	3.240	2.569	2.203	2.094	9.511
9.119	5.262	4.955	4.173	3.269	2.588	2.217	2.105	9.983
9.591	5.293	4.988	4.208	3.299	2.607	2.232	2.118	10.471
10.080	5.319	5.017	4.241	3.327	2.627	2.247	2.133	10.978
10.591	5.341	5.043	4.270	3.354	2.646	2.263	2.148	11.506
11.125	5.357	5.064	4.297	3.381	2.666	2.279	2.163	12.059
11.686	5.369	5.080	4.322	3.405	2.684	2.294	2.179	12.640
12.276	5.377	5.093	4.344	3.429	2.703	2.311	2.194	13.251
12.899	5.382	5.101	4.363	3.451	2.721	2.327	2.210	13.896
13.559	5.386	5.107	4.379	3.471	2.739	2.343	2.226	14.579
14.260	5.387	5.111	4.392	3.491	2.756	2.358	2.242	15.304
15.005	5.388	5.113	4.402	3.508	2.773	2.373	2.258	16.076
15.799	5.387	5.114	4.409	3.524	2.788	2.388	2.272	16.898
16.647	5.387	5.114	4.414	3.539	2.803	2.402	2.287	17.776
17.555	5.386	5.114	4.417	3.552	2.817	2.415	2.301	18.715
18.527	5.385	5.113	4.419	3.564	2.830	2.428	2.315	19.722
19.560	5.384	5.113	4.421	3.573	2.842	2.440	2.328	20.791
20.641	5.384	5.112	4.422	3.581	2.853	2.451	2.340	21.911
21.772	5.384	5.112	4.422	3.588	2.863	2.461	2.350	23.082
22.956	5.384	5.111	4.423	3.593	2.872	2.469	2.360	24.307

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
23.880	5.384	5.111	4.423	3.596	2.878	2.475	2.367	25.264
25.162	5.384	5.111	4.422	3.599	2.886	2.482	2.375	26.591
26.505	5.385	5.111	4.422	3.601	2.893	2.488	2.381	27.981
27.910	5.386	5.111	4.421	3.603	2.899	2.494	2.387	29.436
29.381	5.386	5.111	4.420	3.605	2.905	2.499	2.392	30.959
30.922	5.387	5.111	4.419	3.606	2.909	2.504	2.397	32.554
32.535	5.388	5.111	4.418	3.606	2.914	2.508	2.400	34.224
34.224	5.389	5.112	4.418	3.607	2.917	2.511	2.403	35.972
35.992	5.390	5.112	4.417	3.607	2.920	2.515	2.406	37.803
37.844	5.391	5.113	4.417	3.607	2.923	2.518	2.408	39.721
39.783	5.391	5.113	4.416	3.606	2.925	2.520	2.410	41.728
41.814	5.392	5.114	4.416	3.606	2.927	2.523	2.411	43.831
43.941	5.393	5.114	4.415	3.605	2.928	2.525	2.412	46.033
46.168	5.394	5.115	4.415	3.604	2.930	2.526	2.413	48.339
48.501	5.394	5.115	4.415	3.604	2.931	2.528	2.413	50.754
50.944	5.395	5.116	4.415	3.603	2.932	2.529	2.414	53.283
53.503	5.395	5.116	4.415	3.602	2.932	2.530	2.414	55.932
56.183	5.396	5.117	4.415	3.602	2.933	2.531	2.414	58.707
58.990	5.396	5.117	4.415	3.601	2.933	2.532	2.414	61.613
61.930	5.397	5.118	4.415	3.600	2.933	2.533	2.414	64.657
65.010	5.397	5.118	4.415	3.600	2.933	2.534	2.415	67.845
68.235	5.397	5.119	4.415	3.599	2.933	2.535	2.415	71.184
70.754	5.397	5.119	4.415	3.599	2.933	2.535	2.415	73.792
74.252	5.398	5.119	4.416	3.598	2.933	2.536	2.415	77.413
77.916	5.398	5.120	4.416	3.598	2.933	2.536	2.416	81.207
81.754	5.398	5.120	4.416	3.597	2.933	2.537	2.416	85.180
85.774	5.398	5.120	4.417	3.597	2.933	2.537	2.416	89.342
89.985	5.398	5.120	4.417	3.597	2.932	2.537	2.417	93.701
94.396	5.398	5.120	4.417	3.597	2.932	2.538	2.417	98.268
99.016	5.398	5.121	4.417	3.597	2.932	2.538	2.417	103.051
103.856	5.398	5.121	4.418	3.596	2.932	2.538	2.417	108.061
108.926	5.398	5.121	4.418	3.596	2.931	2.538	2.418	113.310
114.236	5.398	5.121	4.418	3.596	2.931	2.538	2.418	118.807
119.798	5.398	5.121	4.418	3.596	2.931	2.538	2.418	124.566
125.624	5.398	5.121	4.419	3.596	2.931	2.539	2.418	130.598
131.728	5.398	5.121	4.419	3.597	2.931	2.539	2.418	136.916
138.120	5.398	5.121	4.419	3.597	2.930	2.539	2.418	143.534
144.817	5.398	5.121	4.419	3.597	2.930	2.539	2.418	150.467
151.831	5.398	5.121	4.419	3.597	2.930	2.539	2.419	157.729
159.179	5.398	5.121	4.419	3.597	2.930	2.539	2.419	165.336
166.875	5.398	5.121	4.419	3.597	2.930	2.539	2.419	173.303
174.937	5.398	5.121	4.419	3.597	2.930	2.539	2.419	181.650
183.381	5.398	5.121	4.419	3.597	2.930	2.539	2.419	190.392
192.227	5.398	5.121	4.419	3.597	2.930	2.539	2.419	199.550
201.492	5.398	5.121	4.419	3.597	2.930	2.539	2.419	209.142

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	18.385	17.665	15.819	13.564	11.587	10.300	9.861	1.309
.912	17.776	17.065	15.247	13.046	11.133	9.895	9.473	1.486
1.073	17.100	16.396	14.611	12.479	10.656	9.491	9.097	1.653
1.352	15.993	15.308	13.593	11.577	9.881	8.811	8.451	1.941
1.616	15.113	14.437	12.760	10.826	9.232	8.245	7.915	2.214
1.965	14.223	13.548	11.888	10.011	8.505	7.596	7.297	2.576
2.280	13.618	12.924	11.248	9.402	7.959	7.102	6.826	2.902
2.679	13.213	12.476	10.724	8.849	7.424	6.609	6.347	3.315
3.022	13.058	12.271	10.428	8.501	7.063	6.257	6.007	3.671
3.441	13.065	12.207	10.225	8.191	6.718	5.901	5.652	4.104
3.791	13.203	12.275	10.154	8.020	6.499	5.670	5.414	4.466
4.208	13.491	12.471	10.166	7.889	6.297	5.453	5.195	4.899
4.553	13.805	12.709	10.238	7.830	6.172	5.304	5.047	5.256
4.894	14.161	12.994	10.355	7.808	6.080	5.179	4.917	5.609
5.298	14.605	13.371	10.542	7.818	6.003	5.062	4.787	6.027
5.630	14.969	13.694	10.725	7.853	5.960	4.989	4.701	6.370
6.022	15.391	14.074	10.966	7.919	5.927	4.922	4.623	6.776
6.345	15.735	14.381	11.175	7.988	5.915	4.879	4.573	7.110
6.727	16.144	14.743	11.428	8.087	5.914	4.839	4.526	7.506
7.042	16.479	15.042	11.639	8.179	5.922	4.814	4.493	7.833
7.418	16.863	15.397	11.888	8.297	5.941	4.794	4.463	8.222
7.730	17.158	15.684	12.095	8.400	5.964	4.784	4.444	8.545
8.105	17.472	16.009	12.343	8.530	6.000	4.777	4.429	8.933
8.419	17.695	16.257	12.549	8.641	6.036	4.775	4.420	9.258
8.799	17.914	16.518	12.796	8.778	6.083	4.777	4.412	9.651
9.121	18.057	16.703	12.999	8.894	6.127	4.785	4.408	9.984
9.447	18.165	16.857	13.197	9.013	6.175	4.797	4.408	10.322
9.849	18.252	17.000	13.423	9.157	6.237	4.817	4.414	10.738
10.192	18.293	17.086	13.598	9.280	6.291	4.838	4.425	11.093
10.617	18.311	17.152	13.788	9.429	6.361	4.866	4.443	11.534
10.985	18.305	17.179	13.926	9.555	6.422	4.893	4.462	11.914
11.443	18.281	17.183	14.065	9.708	6.499	4.930	4.487	12.388
11.841	18.252	17.168	14.156	9.836	6.567	4.966	4.511	12.801
12.343	18.210	17.135	14.236	9.989	6.651	5.013	4.546	13.320
12.783	18.171	17.101	14.279	10.114	6.725	5.054	4.581	13.775
13.339	18.122	17.054	14.303	10.260	6.817	5.107	4.628	14.351
13.828	18.082	17.013	14.304	10.375	6.896	5.156	4.668	14.858
14.451	18.039	16.963	14.285	10.502	6.993	5.219	4.720	15.502
15.003	18.010	16.924	14.259	10.595	7.076	5.274	4.769	16.074
15.586	17.989	16.891	14.227	10.675	7.160	5.331	4.823	16.677
16.328	17.972	16.861	14.184	10.749	7.262	5.403	4.890	17.446
16.988	17.964	16.845	14.148	10.794	7.346	5.467	4.947	18.129
17.838	17.961	16.834	14.106	10.828	7.448	5.544	5.022	19.009
18.600	17.963	16.832	14.074	10.842	7.531	5.611	5.090	19.797
19.574	17.969	16.835	14.044	10.843	7.627	5.692	5.171	20.806

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
20.439	17.976	16.842	14.027	10.836	7.702	5.758	5.241	21.701
21.551	17.985	16.851	14.014	10.821	7.783	5.837	5.326	22.853
22.549	17.994	16.859	14.009	10.806	7.841	5.901	5.396	23.887
23.849	18.003	16.868	14.009	10.786	7.897	5.976	5.481	25.231
25.024	18.010	16.875	14.011	10.770	7.932	6.037	5.548	26.448
26.531	18.018	16.884	14.017	10.753	7.962	6.104	5.623	28.008
27.876	18.024	16.889	14.022	10.741	7.979	6.155	5.681	29.401
29.309	18.028	16.892	14.027	10.731	7.990	6.200	5.733	30.884
31.097	18.035	16.897	14.032	10.724	7.999	6.244	5.784	32.735
32.618	18.040	16.900	14.036	10.720	8.004	6.272	5.817	34.310
34.489	18.044	16.903	14.039	10.717	8.008	6.297	5.847	36.247
36.095	18.048	16.905	14.041	10.716	8.009	6.311	5.864	37.910
38.089	18.051	16.907	14.042	10.714	8.010	6.322	5.876	39.974
39.816	18.053	16.909	14.042	10.713	8.009	6.329	5.880	41.763
41.982	18.055	16.911	14.041	10.712	8.007	6.335	5.879	44.005
43.877	18.057	16.912	14.041	10.711	8.005	6.338	5.875	45.966
46.275	18.059	16.914	14.040	10.709	8.003	6.342	5.867	48.449
48.392	18.060	16.915	14.039	10.708	8.001	6.344	5.861	50.641
51.098	18.061	16.917	14.038	10.706	8.000	6.347	5.853	53.442
53.511	18.063	16.919	14.037	10.705	7.999	6.349	5.848	55.940
56.089	18.064	16.920	14.037	10.702	7.998	6.351	5.843	58.609
59.431	18.065	16.922	14.037	10.699	7.997	6.354	5.840	62.070
62.437	18.066	16.923	14.037	10.696	7.996	6.356	5.838	65.181
66.242	18.067	16.926	14.039	10.693	7.996	6.358	5.836	69.120
69.582	18.068	16.927	14.041	10.691	7.995	6.360	5.837	72.578
73.803	18.069	16.929	14.043	10.689	7.993	6.362	5.838	76.948
77.508	18.070	16.930	14.044	10.687	7.992	6.364	5.840	80.784
82.191	18.071	16.931	14.046	10.686	7.990	6.367	5.843	85.632
86.301	18.071	16.931	14.048	10.685	7.988	6.368	5.845	89.887
91.496	18.071	16.932	14.050	10.685	7.986	6.370	5.848	95.266
96.056	18.072	16.932	14.051	10.685	7.984	6.371	5.851	99.986
101.819	18.072	16.932	14.052	10.685	7.981	6.372	5.854	105.953
106.878	18.072	16.932	14.053	10.686	7.979	6.373	5.856	111.190
112.181	18.072	16.932	14.054	10.686	7.978	6.373	5.858	116.680
118.884	18.072	16.932	14.055	10.688	7.976	6.372	5.860	123.619
124.767	18.072	16.932	14.055	10.689	7.974	6.372	5.861	129.710
132.203	18.072	16.932	14.055	10.690	7.973	6.371	5.862	137.409
138.730	18.072	16.932	14.056	10.691	7.972	6.371	5.862	144.166
146.980	18.072	16.932	14.056	10.692	7.971	6.369	5.863	152.707
154.221	18.073	16.932	14.056	10.693	7.971	6.369	5.863	160.203
163.374	18.073	16.932	14.056	10.694	7.970	6.367	5.863	169.678
171.407	18.073	16.932	14.056	10.694	7.970	6.367	5.863	177.995
181.560	18.073	16.932	14.056	10.695	7.970	6.366	5.862	188.507
190.472	18.073	16.932	14.056	10.696	7.970	6.365	5.862	197.733
201.737	18.073	16.932	14.055	10.696	7.971	6.364	5.861	209.395

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	40.290	38.689	34.590	29.592	25.220	22.379	21.412	1.309
.946	38.402	36.834	32.839	28.033	23.884	21.210	20.302	1.521
1.196	35.901	34.377	30.535	25.983	22.128	19.684	18.861	1.780
1.488	33.336	31.854	28.163	23.883	20.335	18.120	17.378	2.082
1.875	30.753	29.288	25.686	21.612	18.337	16.354	15.701	2.483
2.301	28.767	27.259	23.634	19.671	16.598	14.788	14.204	2.924
2.688	27.810	26.204	22.418	18.413	15.393	13.679	13.133	3.325
3.153	27.344	25.579	21.502	17.326	14.286	12.595	12.076	3.805
3.619	27.475	25.503	21.040	16.590	13.449	11.749	11.226	4.288
4.015	27.960	25.781	20.914	16.182	12.911	11.192	10.669	4.698
4.469	28.841	26.407	21.014	15.893	12.448	10.667	10.146	5.168
4.849	29.745	27.119	21.262	15.773	12.162	10.307	9.770	5.562
5.282	30.834	28.043	21.689	15.744	11.921	9.987	9.417	6.010
5.702	31.896	28.973	22.211	15.810	11.754	9.749	9.154	6.445
6.053	32.805	29.755	22.698	15.920	11.658	9.586	8.981	6.808
6.452	33.897	30.673	23.281	16.094	11.592	9.431	8.813	7.222
6.842	35.010	31.621	23.865	16.307	11.565	9.308	8.671	7.625
7.169	35.942	32.452	24.369	16.509	11.565	9.226	8.569	7.963
7.544	36.951	33.413	24.968	16.764	11.591	9.153	8.471	8.352
7.863	37.718	34.199	25.499	16.996	11.629	9.104	8.402	8.682
8.233	38.476	35.038	26.139	17.277	11.689	9.064	8.336	9.065
8.603	39.079	35.767	26.795	17.571	11.762	9.042	8.283	9.448
8.922	39.472	36.292	27.360	17.832	11.835	9.037	8.250	9.779
9.300	39.796	36.785	28.009	18.147	11.931	9.045	8.227	10.169
9.684	39.984	37.147	28.627	18.476	12.038	9.063	8.222	10.567
10.021	40.055	37.356	29.119	18.770	12.139	9.084	8.228	10.916
10.425	40.054	37.492	29.635	19.129	12.269	9.116	8.240	11.335
10.783	40.002	37.526	30.018	19.451	12.390	9.152	8.255	11.705
11.217	39.896	37.492	30.388	19.843	12.542	9.204	8.280	12.154
11.671	39.751	37.397	30.668	20.249	12.706	9.264	8.317	12.624
12.076	39.603	37.282	30.834	20.603	12.856	9.321	8.357	13.044
12.572	39.417	37.115	30.942	21.016	13.042	9.396	8.411	13.557
13.095	39.239	36.923	30.967	21.420	13.239	9.487	8.469	14.099
13.569	39.107	36.753	30.930	21.748	13.418	9.574	8.529	14.589
14.146	38.991	36.573	30.838	22.095	13.637	9.682	8.613	15.187
14.754	38.913	36.429	30.705	22.393	13.866	9.803	8.709	15.816
15.303	38.873	36.342	30.568	22.604	14.074	9.917	8.799	16.385
15.983	38.852	36.280	30.392	22.794	14.327	10.058	8.918	17.088
16.603	38.852	36.257	30.241	22.908	14.554	10.187	9.036	17.730
17.371	38.865	36.259	30.084	22.983	14.826	10.350	9.182	18.526
18.176	38.889	36.283	29.968	23.003	15.095	10.516	9.336	19.358
18.899	38.913	36.310	29.900	22.985	15.318	10.665	9.481	20.107
19.790	38.947	36.345	29.855	22.933	15.564	10.846	9.657	21.030
20.742	38.982	36.381	29.840	22.858	15.787	11.033	9.844	22.015
21.614	39.013	36.414	29.847	22.783	15.954	11.201	10.015	22.918

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
22.714	39.040	36.453	29.867	22.689	16.118	11.400	10.221	24.054
23.711	39.058	36.483	29.892	22.613	16.228	11.573	10.403	25.089
24.929	39.075	36.509	29.926	22.542	16.322	11.766	10.609	26.350
26.213	39.086	36.521	29.957	22.488	16.383	11.948	10.810	27.679
27.378	39.093	36.525	29.983	22.458	16.414	12.093	10.974	28.885
28.824	39.099	36.524	30.009	22.436	16.432	12.241	11.152	30.382
30.343	39.106	36.523	30.027	22.428	16.434	12.362	11.305	31.955
31.680	39.113	36.524	30.037	22.427	16.430	12.442	11.412	33.340
33.260	39.119	36.527	30.041	22.429	16.417	12.511	11.504	34.975
34.630	39.125	36.530	30.041	22.433	16.404	12.554	11.558	36.393
36.252	39.132	36.533	30.039	22.436	16.386	12.588	11.596	38.073
37.909	39.137	36.535	30.036	22.438	16.369	12.609	11.612	39.788
39.362	39.141	36.539	30.033	22.440	16.355	12.621	11.611	41.292
41.104	39.145	36.543	30.031	22.442	16.341	12.628	11.599	43.096
42.904	39.148	36.548	30.028	22.443	16.331	12.630	11.577	44.959
44.500	39.150	36.551	30.027	22.445	16.322	12.630	11.554	46.611
46.432	39.151	36.554	30.025	22.446	16.314	12.628	11.525	48.612
48.451	39.153	36.557	30.024	22.447	16.306	12.625	11.495	50.702
50.259	39.154	36.559	30.023	22.448	16.300	12.621	11.470	52.574
52.469	39.156	36.560	30.022	22.449	16.292	12.617	11.444	54.862
54.461	39.157	36.562	30.021	22.449	16.286	12.614	11.424	56.924
56.912	39.159	36.563	30.021	22.447	16.281	12.612	11.405	59.461
59.517	39.161	36.565	30.020	22.444	16.277	12.611	11.391	62.158
61.887	39.162	36.567	30.020	22.440	16.275	12.611	11.384	64.612
64.834	39.164	36.569	30.020	22.435	16.276	12.614	11.379	67.663
68.003	39.166	36.571	30.020	22.428	16.278	12.618	11.379	70.944
70.920	39.168	36.573	30.021	22.422	16.281	12.621	11.383	73.964
74.591	39.169	36.575	30.023	22.414	16.283	12.626	11.391	77.764
77.997	39.170	36.577	30.025	22.407	16.284	12.630	11.401	81.291
82.322	39.171	36.579	30.028	22.400	16.283	12.634	11.414	85.768
87.082	39.172	36.581	30.032	22.393	16.279	12.638	11.430	90.695
91.562	39.172	36.582	30.035	22.389	16.273	12.641	11.444	95.333
97.330	39.172	36.583	30.039	22.386	16.263	12.643	11.461	101.305
103.716	39.172	36.584	30.042	22.386	16.252	12.644	11.477	107.916
109.539	39.173	36.585	30.045	22.389	16.244	12.643	11.488	113.945
116.736	39.174	36.585	30.048	22.394	16.239	12.640	11.501	121.396
123.271	39.174	36.586	30.049	22.397	16.236	12.635	11.508	128.161
131.347	39.175	36.586	30.050	22.402	16.231	12.626	11.512	136.522
139.940	39.175	36.586	30.050	22.406	16.228	12.614	11.513	145.418
147.742	39.176	36.586	30.051	22.409	16.227	12.602	11.510	153.496
157.386	39.176	36.586	30.050	22.413	16.227	12.586	11.503	163.479
167.646	39.176	36.586	30.050	22.415	16.228	12.571	11.491	174.102
176.962	39.176	36.586	30.050	22.417	16.229	12.559	11.477	183.747
188.476	39.177	36.586	30.050	22.418	16.231	12.546	11.457	195.667
200.728	39.177	36.586	30.050	22.420	16.233	12.535	11.433	208.351

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	70.961	68.127	60.872	52.032	44.308	39.290	37.581	1.309
.982	66.787	64.025	57.007	48.602	41.386	36.754	35.183	1.559
1.238	62.210	59.538	52.821	44.893	38.199	33.967	32.543	1.823
1.640	56.250	53.664	47.267	39.938	33.945	30.253	29.024	2.239
2.040	52.071	49.488	43.190	36.146	30.565	27.232	26.144	2.654
2.475	49.107	46.361	39.892	32.974	27.698	24.648	23.665	3.104
2.993	47.520	44.524	37.588	30.445	25.198	22.267	21.362	3.641
3.452	47.367	44.034	36.470	28.899	23.541	20.619	19.721	4.116
3.907	48.115	44.361	36.001	27.898	22.304	19.364	18.468	4.586
4.415	49.771	45.493	36.074	27.210	21.292	18.243	17.355	5.112
4.847	51.592	46.917	36.533	26.916	20.671	17.484	16.580	5.559
5.265	53.463	48.505	37.250	26.832	20.221	16.912	15.936	5.993
5.728	55.553	50.314	38.262	26.932	19.862	16.421	15.408	6.471
6.118	57.428	51.881	39.221	27.137	19.658	16.078	15.050	6.876
6.497	59.395	53.499	40.196	27.423	19.534	15.797	14.746	7.268
6.917	61.685	55.444	41.315	27.819	19.469	15.545	14.450	7.703
7.275	63.609	57.190	42.316	28.208	19.464	15.375	14.237	8.074
7.627	65.357	58.900	43.359	28.627	19.497	15.243	14.062	8.438
8.024	67.063	60.718	44.616	29.135	19.570	15.131	13.899	8.848
8.369	68.272	62.128	45.765	29.600	19.658	15.067	13.785	9.206
8.714	69.210	63.332	46.939	30.085	19.767	15.031	13.697	9.563
9.112	69.962	64.437	48.278	30.663	19.916	15.017	13.632	9.975
9.464	70.361	65.163	49.412	31.196	20.067	15.020	13.603	10.340
9.876	70.566	65.722	50.623	31.840	20.262	15.036	13.589	10.766
10.245	70.575	65.989	51.579	32.441	20.456	15.062	13.586	11.148
10.627	70.465	66.077	52.414	33.079	20.669	15.105	13.588	11.543
11.080	70.225	66.005	53.201	33.853	20.936	15.173	13.604	12.012
11.493	69.930	65.825	53.728	34.565	21.189	15.244	13.637	12.440
11.924	69.578	65.558	54.095	35.298	21.460	15.328	13.685	12.886
12.440	69.152	65.163	54.321	36.144	21.789	15.448	13.749	13.420
12.916	68.805	64.766	54.363	36.874	22.099	15.578	13.818	13.913
13.415	68.520	64.367	54.280	37.566	22.429	15.723	13.910	14.430
14.010	68.286	63.973	54.066	38.279	22.830	15.904	14.046	15.046
14.557	68.155	63.709	53.794	38.820	23.207	16.085	14.181	15.612
15.132	68.084	63.529	53.463	39.272	23.609	16.281	14.332	16.207
15.831	68.064	63.420	53.046	39.668	24.104	16.519	14.537	16.931
16.485	68.081	63.398	52.692	39.904	24.565	16.751	14.738	17.608
17.167	68.120	63.429	52.396	40.035	25.037	16.996	14.949	18.314
17.979	68.178	63.497	52.152	40.069	25.574	17.287	15.216	19.154
18.723	68.240	63.568	52.021	40.018	26.031	17.562	15.471	19.925
19.505	68.308	63.640	51.954	39.907	26.465	17.848	15.741	20.735
20.455	68.390	63.727	51.946	39.726	26.919	18.200	16.082	21.719
21.346	68.452	63.806	51.979	39.536	27.272	18.525	16.400	22.641
22.301	68.499	63.883	52.036	39.335	27.576	18.869	16.746	23.630
23.457	68.536	63.954	52.112	39.127	27.850	19.266	17.154	24.826

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.506	68.561	63.994	52.185	38.986	28.026	19.605	17.513	25.912
25.759	68.575	64.011	52.262	38.873	28.162	19.974	17.918	27.209
26.912	68.584	64.012	52.328	38.812	28.231	20.273	18.261	28.403
28.130	68.590	64.003	52.379	38.780	28.264	20.542	18.586	29.664
29.611	68.596	63.992	52.419	38.768	28.264	20.809	18.923	31.197
30.940	68.603	63.988	52.436	38.775	28.239	20.994	19.166	32.582
32.317	68.613	63.987	52.439	38.788	28.197	21.141	19.358	33.999
33.898	68.625	63.987	52.433	38.802	28.142	21.264	19.512	35.636
35.293	68.638	63.992	52.423	38.817	28.093	21.340	19.598	37.080
36.704	68.649	63.998	52.412	38.826	28.050	21.392	19.645	38.540
38.343	68.658	64.007	52.402	38.833	28.011	21.428	19.660	40.238
39.807	68.665	64.017	52.395	38.839	27.983	21.444	19.647	41.753
41.305	68.671	64.027	52.390	38.842	27.964	21.449	19.616	43.304
43.064	68.674	64.037	52.385	38.839	27.944	21.444	19.563	45.125
44.652	68.677	64.044	52.384	38.840	27.930	21.433	19.507	46.768
46.291	68.679	64.050	52.384	38.843	27.918	21.417	19.445	48.465
48.234	68.681	64.054	52.384	38.846	27.900	21.396	19.371	50.477
50.004	68.682	64.056	52.386	38.848	27.882	21.378	19.308	52.309
51.845	68.683	64.057	52.387	38.853	27.866	21.362	19.249	54.215
54.045	68.685	64.058	52.388	38.858	27.845	21.347	19.188	56.493
56.063	68.686	64.059	52.389	38.861	27.824	21.339	19.143	58.583
58.178	68.689	64.059	52.389	38.861	27.806	21.335	19.108	60.772
60.724	68.692	64.061	52.388	38.859	27.791	21.335	19.080	63.408
63.078	68.695	64.062	52.387	38.855	27.780	21.338	19.067	65.845
65.928	68.698	64.064	52.386	38.849	27.772	21.344	19.064	68.796
68.579	68.701	64.067	52.385	38.840	27.772	21.351	19.071	71.539
71.392	68.704	64.070	52.385	38.830	27.778	21.358	19.086	74.452
74.833	68.707	64.074	52.386	38.817	27.790	21.366	19.110	78.015
78.067	68.709	64.077	52.388	38.805	27.803	21.373	19.136	81.363
81.538	68.710	64.080	52.390	38.793	27.814	21.379	19.164	84.956
85.836	68.712	64.083	52.395	38.779	27.824	21.384	19.199	89.405
89.930	68.712	64.086	52.399	38.768	27.826	21.388	19.231	93.644
94.385	68.713	64.088	52.404	38.759	27.821	21.390	19.263	98.256
99.987	68.713	64.089	52.410	38.751	27.806	21.389	19.299	104.056
105.409	68.713	64.090	52.414	38.748	27.786	21.383	19.328	109.669
111.399	68.713	64.091	52.419	38.748	27.763	21.370	19.354	115.870
119.055	68.713	64.091	52.422	38.752	27.737	21.341	19.378	123.796
126.566	68.714	64.092	52.425	38.758	27.717	21.295	19.392	131.572
134.639	68.715	64.094	52.427	38.767	27.703	21.219	19.396	139.930
144.484	68.716	64.095	52.429	38.778	27.705	21.080	19.389	150.122
153.675	68.717	64.096	52.430	38.785	27.715	20.889	19.361	159.637
163.439	68.718	64.096	52.429	38.791	27.722	20.586	19.297	169.746
175.346	68.718	64.096	52.429	38.796	27.726	19.985	19.137	182.073
186.462	68.718	64.096	52.429	38.798	27.732	18.961	18.833	193.582
200.018	68.718	64.096	52.429	38.799	27.741	15.981	18.004	207.615

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	110.388	105.970	94.660	80.882	68.849	61.036	58.367	1.309
1.177	98.197	94.004	83.439	70.927	60.332	53.622	51.362	1.760
1.708	85.848	81.835	71.947	60.679	51.524	45.917	44.060	2.310
2.455	76.202	72.011	62.043	51.255	42.970	38.173	36.640	3.083
3.194	73.189	68.336	57.209	45.823	37.604	33.093	31.703	3.848
3.925	74.450	68.576	55.544	42.885	34.200	29.641	28.279	4.605
4.682	78.685	71.607	56.004	41.475	31.999	27.200	25.795	5.389
5.338	83.236	75.426	57.667	41.173	30.811	25.717	24.247	6.068
5.955	87.704	79.220	59.861	41.453	30.129	24.702	23.156	6.707
6.582	92.852	83.447	62.348	42.143	29.759	23.950	22.315	7.356
7.128	97.620	87.606	64.659	42.979	29.641	23.475	21.754	7.921
7.650	101.837	91.702	67.088	43.922	29.668	23.145	21.338	8.462
8.198	105.412	95.627	69.903	45.012	29.814	22.906	21.005	9.029
8.694	107.719	98.534	72.602	46.069	30.031	22.770	20.782	9.542
9.186	109.132	100.675	75.263	47.182	30.311	22.699	20.622	10.052
9.722	109.816	102.144	77.936	48.472	30.676	22.681	20.510	10.607
10.225	109.883	102.795	80.081	49.758	31.062	22.714	20.454	11.127
10.738	109.595	102.911	81.832	51.139	31.491	22.789	20.441	11.659
11.312	108.991	102.614	83.234	52.726	32.000	22.916	20.471	12.253
11.860	108.251	102.060	84.055	54.241	32.509	23.073	20.539	12.820
12.429	107.476	101.309	84.444	55.753	33.057	23.266	20.644	13.409
13.070	106.766	100.404	84.452	57.312	33.699	23.512	20.799	14.073
13.686	106.303	99.649	84.164	58.612	34.339	23.772	20.979	14.710
14.379	106.006	99.046	83.617	59.809	35.087	24.087	21.211	15.428
15.045	105.897	98.713	82.967	60.687	35.828	24.407	21.458	16.117
15.734	105.902	98.570	82.272	61.334	36.610	24.752	21.736	16.830
16.507	105.980	98.581	81.590	61.780	37.492	25.154	22.072	17.631
17.247	106.079	98.682	81.107	61.976	38.319	25.552	22.414	18.397
18.012	106.193	98.819	80.787	61.997	39.133	25.976	22.787	19.189
18.870	106.330	98.975	80.612	61.866	39.972	26.463	23.225	20.077
19.690	106.461	99.118	80.580	61.642	40.684	26.937	23.663	20.926
20.537	106.577	99.260	80.636	61.351	41.319	27.432	24.129	21.803
21.487	106.671	99.405	80.752	61.005	41.911	27.986	24.665	22.787
22.396	106.726	99.513	80.878	60.697	42.366	28.510	25.182	23.728
23.336	106.759	99.585	81.005	60.433	42.734	29.036	25.715	24.701
24.393	106.774	99.620	81.137	60.215	43.039	29.595	26.302	25.795
25.404	106.775	99.622	81.251	60.082	43.242	30.088	26.843	26.842
26.451	106.770	99.603	81.353	60.005	43.378	30.547	27.373	27.926
27.629	106.761	99.571	81.440	59.974	43.458	30.996	27.920	29.145
28.756	106.749	99.538	81.491	59.980	43.480	31.359	28.386	30.313
29.925	106.736	99.507	81.512	60.006	43.460	31.672	28.804	31.523
31.240	106.722	99.477	81.506	60.046	43.401	31.954	29.193	32.883
32.499	106.713	99.453	81.481	60.089	43.325	32.165	29.486	34.187
33.804	106.708	99.433	81.443	60.132	43.240	32.332	29.717	35.538
35.272	106.705	99.419	81.397	60.176	43.155	32.468	29.897	37.058

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
36.679	106.703	99.413	81.353	60.213	43.090	32.554	30.005	38.514
38.261	106.700	99.414	81.310	60.245	43.038	32.609	30.066	40.152
39.776	106.699	99.418	81.274	60.264	43.007	32.630	30.079	41.721
41.348	106.697	99.423	81.243	60.272	42.991	32.627	30.055	43.348
43.115	106.695	99.430	81.215	60.267	42.985	32.600	29.998	45.177
44.808	106.695	99.434	81.195	60.254	42.987	32.561	29.921	46.930
46.563	106.695	99.438	81.183	60.234	42.995	32.513	29.831	48.747
48.537	106.696	99.441	81.175	60.207	43.007	32.458	29.724	50.791
50.429	106.697	99.443	81.172	60.180	43.020	32.411	29.627	52.749
52.390	106.699	99.445	81.172	60.153	43.034	32.370	29.535	54.779
54.595	106.703	99.447	81.175	60.123	43.050	32.336	29.450	57.062
56.708	106.707	99.448	81.178	60.097	43.064	32.313	29.387	59.250
58.899	106.710	99.450	81.182	60.071	43.076	32.299	29.341	61.518
61.362	106.715	99.452	81.186	60.046	43.087	32.291	29.311	64.069
63.723	106.718	99.455	81.191	60.024	43.093	32.288	29.302	66.513
66.171	106.720	99.458	81.195	60.005	43.096	32.289	29.309	69.047
68.923	106.722	99.461	81.200	59.988	43.095	32.293	29.330	71.896
71.561	106.722	99.464	81.205	59.974	43.092	32.298	29.360	74.627
74.296	106.722	99.467	81.210	59.963	43.088	32.305	29.397	77.458
77.371	106.722	99.469	81.215	59.952	43.082	32.314	29.443	80.642
80.319	106.720	99.470	81.219	59.944	43.075	32.323	29.489	83.694
83.374	106.719	99.470	81.224	59.937	43.068	32.331	29.536	86.857
86.811	106.717	99.470	81.228	59.930	43.061	32.340	29.588	90.415
90.105	106.715	99.469	81.232	59.925	43.054	32.347	29.636	93.825
93.809	106.713	99.468	81.236	59.921	43.047	32.353	29.686	97.660
97.360	106.712	99.466	81.239	59.917	43.041	32.356	29.730	101.336
101.040	106.711	99.464	81.241	59.913	43.036	32.358	29.771	105.146
105.180	106.710	99.462	81.243	59.910	43.031	32.359	29.811	109.432
109.148	106.710	99.460	81.245	59.907	43.027	32.358	29.844	113.540
113.261	106.710	99.458	81.246	59.904	43.024	32.357	29.873	117.798
117.887	106.711	99.456	81.246	59.900	43.022	32.355	29.900	122.587
122.320	106.711	99.456	81.247	59.896	43.021	32.353	29.921	127.177
126.916	106.712	99.455	81.247	59.892	43.020	32.350	29.939	131.935
132.085	106.713	99.455	81.247	59.888	43.019	32.348	29.956	137.286
137.039	106.714	99.455	81.248	59.883	43.019	32.345	29.969	142.415
142.174	106.715	99.456	81.249	59.878	43.020	32.343	29.980	147.731
147.951	106.716	99.457	81.250	59.873	43.021	32.340	29.990	153.711
153.486	106.717	99.457	81.251	59.868	43.021	32.338	29.998	159.442
159.225	106.717	99.458	81.252	59.862	43.023	32.337	30.005	165.383
165.679	106.718	99.459	81.254	59.856	43.024	32.335	30.012	172.065
171.865	106.718	99.460	81.257	59.851	43.025	32.334	30.017	178.469
178.277	106.718	99.460	81.259	59.846	43.026	32.333	30.023	185.108
185.489	106.718	99.461	81.262	59.840	43.027	32.332	30.028	192.574
192.402	106.718	99.461	81.265	59.835	43.028	32.332	30.033	199.730
200.176	106.718	99.461	81.268	59.830	43.029	32.332	30.038	207.779

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.741	158.583	152.227	135.957	116.146	98.837	87.605	83.774	1.309
1.176	140.938	134.913	119.732	101.736	86.538	76.902	73.656	1.759
1.759	121.689	115.939	101.791	85.728	72.738	64.820	62.202	2.363
2.451	109.116	103.106	88.818	73.360	61.491	54.620	52.425	3.079
3.248	104.617	97.555	81.426	65.013	53.230	46.795	44.817	3.905
3.975	106.752	98.187	79.249	60.962	48.487	41.965	40.021	4.657
4.724	112.976	102.697	80.034	59.028	45.409	38.540	36.533	5.432
5.373	119.459	108.165	82.465	58.628	43.737	36.448	34.349	6.104
6.030	126.426	114.016	85.868	59.096	42.713	34.909	32.693	6.785
6.599	133.327	119.657	89.117	60.013	42.236	33.933	31.600	7.374
7.181	140.759	126.178	92.682	61.296	42.052	33.199	30.736	7.976
7.736	147.179	132.523	96.484	62.740	42.009	32.700	30.105	8.550
8.231	151.758	137.644	100.250	64.159	42.290	32.389	29.672	9.063
8.759	155.178	142.050	104.471	65.775	42.617	32.177	29.325	9.609
9.242	157.021	144.972	108.289	67.357	43.010	32.072	29.096	10.110
9.770	157.854	146.930	112.100	69.203	43.520	32.041	28.931	10.656
10.264	157.861	147.751	115.143	71.051	44.058	32.080	28.845	11.167
10.812	157.313	147.819	117.796	72.214	44.708	32.188	28.818	11.735
11.334	156.421	147.341	119.587	73.334	45.364	32.347	28.850	12.275
11.920	155.192	146.387	120.793	74.709	46.136	32.577	28.944	12.882
12.529	153.964	145.112	121.284	80.069	46.976	32.866	29.099	13.513
13.114	153.046	143.860	121.206	82.133	47.817	33.181	29.295	14.118
13.773	152.364	142.691	120.673	84.139	48.808	33.570	29.561	14.801
14.405	152.011	141.923	119.865	85.707	49.798	33.972	29.854	15.455
15.116	151.880	141.446	118.775	87.053	50.951	34.451	30.221	16.191
15.796	151.921	141.292	117.729	87.950	52.081	34.931	30.606	16.895
16.560	152.053	141.352	116.737	88.557	53.357	35.494	31.072	17.686
17.289	152.211	141.525	116.052	88.809	54.551	36.053	31.547	18.440
18.106	152.406	141.758	115.585	88.801	55.822	36.703	32.113	19.286
18.886	152.604	141.980	115.386	88.589	56.935	37.342	32.685	20.094
19.760	152.816	142.220	115.372	88.195	58.042	38.075	33.356	20.999
20.665	152.993	142.456	115.498	87.693	59.022	38.845	34.081	21.936
21.530	153.108	142.652	115.678	87.198	59.802	39.584	34.792	22.831
22.500	153.187	142.815	115.893	86.697	60.508	40.404	35.601	23.836
23.428	153.225	142.905	116.091	86.312	61.034	41.164	36.374	24.796
24.469	153.240	142.942	116.295	86.005	61.471	41.971	37.228	25.874
25.465	153.239	142.934	116.471	85.822	61.761	42.681	38.017	26.905
26.583	153.228	142.895	116.635	85.719	61.963	43.395	38.853	28.063
27.654	153.212	142.847	116.749	85.693	62.058	43.990	39.588	29.171
28.857	153.189	142.794	116.822	85.716	62.076	44.558	40.321	30.417
30.107	153.165	142.744	116.843	85.772	62.017	45.044	40.972	31.711
31.304	153.147	142.701	116.825	85.838	61.914	45.421	41.485	32.950
32.648	153.134	142.661	116.776	85.915	61.771	45.757	41.940	34.342
33.936	153.128	142.633	116.715	85.986	61.634	46.001	42.267	35.675
35.384	153.125	142.616	116.642	86.060	61.501	46.200	42.522	37.173

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
36.769	153.122	142.611	116.577	86.120	61.403	46.326	42.675	38.608
38.327	153.120	142.615	116.512	86.170	61.328	46.405	42.761	40.221
39.819	153.118	142.623	116.458	86.198	61.284	46.430	42.775	41.765
41.495	153.115	142.633	116.408	86.208	61.260	46.415	42.729	43.500
43.100	153.113	142.643	116.371	86.200	61.254	46.368	42.640	45.162
44.905	153.113	142.650	116.343	86.177	61.260	46.294	42.504	47.030
46.779	153.113	142.656	116.326	86.143	61.276	46.207	42.344	48.971
48.575	153.114	142.660	116.318	86.105	61.295	46.125	42.185	50.830
50.592	153.116	142.663	116.317	86.061	61.320	46.045	42.014	52.919
52.525	153.119	142.665	116.319	86.019	61.345	45.983	41.869	54.919
54.696	153.124	142.666	116.325	85.974	61.373	45.932	41.733	57.167
56.776	153.129	142.667	116.331	85.934	61.398	45.899	41.633	59.321
59.114	153.136	142.669	116.337	85.894	61.420	45.876	41.557	61.741
61.352	153.141	142.672	116.344	85.859	61.436	45.865	41.515	64.058
63.868	153.146	142.676	116.351	85.826	61.446	45.861	41.499	66.663
66.483	153.150	142.680	116.358	85.797	61.450	45.863	41.511	69.370
68.986	153.152	142.685	116.364	85.775	61.448	45.870	41.541	71.962
71.800	153.153	142.690	116.371	85.754	61.443	45.881	41.590	74.875
74.495	153.153	142.694	116.377	85.738	61.436	45.893	41.647	77.665
77.525	153.152	142.697	116.384	85.724	61.427	45.909	41.717	80.801
80.426	153.150	142.699	116.390	85.713	61.417	45.924	41.787	83.805
83.687	153.147	142.699	116.397	85.702	61.405	45.939	41.865	87.181
86.810	153.144	142.699	116.402	85.694	61.395	45.952	41.939	90.414
90.321	153.141	142.698	116.408	85.687	61.383	45.964	42.017	94.049
93.683	153.139	142.696	116.413	85.682	61.373	45.972	42.087	97.530
97.463	153.137	142.693	116.418	85.676	61.363	45.977	42.158	101.443
101.390	153.135	142.690	116.421	85.671	61.355	45.980	42.223	105.509
105.151	153.134	142.686	116.424	85.667	61.348	45.980	42.277	109.402
109.379	153.134	142.683	116.426	85.662	61.342	45.979	42.328	113.779
113.428	153.134	142.680	116.428	85.657	61.338	45.977	42.368	117.971
117.980	153.135	142.678	116.429	85.652	61.335	45.974	42.406	122.683
122.339	153.136	142.677	116.430	85.647	61.332	45.970	42.435	127.196
127.238	153.137	142.676	116.430	85.641	61.331	45.966	42.462	132.268
131.930	153.139	142.676	116.431	85.635	61.330	45.962	42.483	137.126
137.205	153.140	142.676	116.431	85.628	61.331	45.957	42.501	142.586
142.685	153.142	142.677	116.432	85.621	61.331	45.953	42.517	148.260
147.934	153.143	142.678	116.433	85.613	61.332	45.949	42.529	153.694
153.833	153.144	142.680	116.435	85.605	61.334	45.946	42.540	159.802
159.484	153.145	142.681	116.437	85.598	61.335	45.944	42.549	165.651
165.835	153.145	142.682	116.440	85.589	61.337	45.942	42.558	172.226
171.917	153.145	142.683	116.443	85.582	61.338	45.940	42.565	178.524
178.755	153.146	142.684	116.447	85.573	61.340	45.939	42.572	185.602
185.303	153.146	142.685	116.451	85.566	61.341	45.938	42.579	192.381
192.663	153.146	142.685	116.456	85.558	61.342	45.938	42.587	200.001
200.311	153.146	142.685	116.460	85.551	61.344	45.937	42.594	207.919

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	3.754	3.636	3.329	2.945	2.598	2.366	2.285	1.222
.770	3.826	3.700	3.373	2.958	2.606	2.367	2.284	1.341
.851	3.863	3.735	3.404	2.995	2.631	2.390	2.307	1.438
.990	3.878	3.746	3.408	2.994	2.631	2.392	2.310	1.575
1.129	3.876	3.742	3.399	2.982	2.618	2.381	2.300	1.723
1.276	3.863	3.727	3.383	2.965	2.602	2.367	2.286	1.880
1.433	3.848	3.711	3.363	2.944	2.583	2.351	2.271	2.046
1.598	3.837	3.698	3.346	2.924	2.564	2.333	2.255	2.222
1.771	3.832	3.691	3.334	2.908	2.546	2.317	2.239	2.406
1.951	3.834	3.690	3.327	2.896	2.531	2.302	2.225	2.597
2.137	3.822	3.680	3.313	2.879	2.514	2.286	2.209	2.795
2.331	3.830	3.676	3.296	2.858	2.495	2.270	2.193	3.002
2.531	3.864	3.707	3.315	2.863	2.488	2.262	2.186	3.215
2.789	3.897	3.738	3.341	2.882	2.496	2.260	2.185	3.489
3.001	3.933	3.768	3.358	2.890	2.503	2.261	2.184	3.715
3.218	3.969	3.802	3.384	2.900	2.509	2.263	2.183	3.946
3.440	4.006	3.836	3.411	2.919	2.516	2.268	2.185	4.183
3.668	4.044	3.871	3.437	2.938	2.527	2.277	2.192	4.425
3.902	4.081	3.906	3.465	2.956	2.540	2.288	2.204	4.673
4.141	4.117	3.940	3.494	2.975	2.553	2.299	2.216	4.929
4.388	4.150	3.973	3.521	2.997	2.566	2.309	2.227	5.191
4.642	4.179	4.003	3.549	3.018	2.581	2.318	2.235	5.462
4.904	4.205	4.031	3.576	3.038	2.597	2.329	2.244	5.740
5.175	4.228	4.055	3.601	3.058	2.614	2.342	2.254	6.029
5.456	4.248	4.076	3.625	3.079	2.629	2.356	2.267	6.328
5.748	4.265	4.094	3.646	3.099	2.644	2.370	2.281	6.638
6.129	4.284	4.114	3.670	3.121	2.663	2.386	2.297	7.044
6.449	4.298	4.128	3.687	3.139	2.679	2.399	2.309	7.384
6.783	4.310	4.141	3.701	3.156	2.694	2.413	2.322	7.740
7.134	4.320	4.152	3.714	3.172	2.707	2.428	2.336	8.114
7.503	4.328	4.161	3.726	3.186	2.721	2.441	2.351	8.506
7.892	4.334	4.169	3.736	3.200	2.734	2.453	2.365	8.920
8.302	4.340	4.175	3.745	3.212	2.747	2.465	2.376	9.357
8.737	4.343	4.180	3.753	3.222	2.759	2.477	2.386	9.819
9.197	4.346	4.184	3.760	3.232	2.770	2.488	2.397	10.309
9.687	4.349	4.186	3.766	3.241	2.781	2.500	2.409	10.830
10.208	4.350	4.189	3.770	3.248	2.791	2.510	2.421	11.384
10.763	4.351	4.190	3.773	3.255	2.800	2.519	2.430	11.975
11.356	4.352	4.191	3.776	3.261	2.807	2.529	2.439	12.606
12.155	4.353	4.192	3.778	3.267	2.817	2.540	2.451	13.456
12.844	4.353	4.193	3.779	3.270	2.823	2.547	2.460	14.190
13.583	4.353	4.193	3.780	3.274	2.828	2.553	2.467	14.976
14.374	4.353	4.193	3.781	3.276	2.833	2.559	2.473	15.818
15.222	4.354	4.193	3.781	3.278	2.837	2.564	2.479	16.721
16.132	4.354	4.193	3.782	3.280	2.840	2.569	2.484	17.689

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
17.106	4.354	4.193	3.782	3.281	2.843	2.572	2.488	18.726
18.137	4.355	4.194	3.782	3.282	2.846	2.575	2.491	19.822
19.222	4.356	4.194	3.782	3.283	2.848	2.578	2.493	20.977
20.366	4.356	4.195	3.782	3.283	2.850	2.580	2.496	22.194
21.570	4.357	4.195	3.782	3.284	2.851	2.582	2.497	23.476
22.839	4.358	4.196	3.782	3.284	2.853	2.583	2.498	24.827
24.522	4.359	4.197	3.782	3.284	2.854	2.585	2.500	26.617
25.949	4.359	4.197	3.782	3.284	2.855	2.586	2.500	28.136
27.453	4.360	4.198	3.783	3.284	2.855	2.587	2.501	29.736
29.037	4.360	4.198	3.783	3.284	2.856	2.587	2.502	31.422
30.706	4.361	4.199	3.783	3.284	2.856	2.588	2.502	33.199
32.465	4.361	4.199	3.783	3.284	2.856	2.589	2.503	35.070
34.319	4.362	4.199	3.783	3.284	2.857	2.589	2.503	37.043
36.272	4.362	4.200	3.784	3.284	2.857	2.589	2.503	39.121
38.330	4.362	4.200	3.784	3.284	2.857	2.590	2.503	41.312
40.499	4.363	4.201	3.784	3.284	2.857	2.590	2.504	43.620
42.784	4.363	4.201	3.784	3.284	2.857	2.590	2.504	46.052
45.193	4.363	4.201	3.784	3.283	2.857	2.590	2.504	48.615
47.731	4.363	4.201	3.785	3.283	2.857	2.590	2.504	51.316
51.096	4.364	4.202	3.785	3.283	2.857	2.591	2.504	54.897
53.952	4.364	4.202	3.785	3.283	2.856	2.591	2.504	57.936
56.962	4.364	4.202	3.785	3.283	2.856	2.591	2.504	61.139
60.133	4.364	4.202	3.786	3.284	2.856	2.591	2.505	64.514
63.475	4.364	4.202	3.786	3.284	2.856	2.591	2.505	68.071
66.998	4.364	4.202	3.786	3.284	2.856	2.591	2.505	71.819
70.710	4.364	4.202	3.786	3.284	2.856	2.591	2.505	75.769
74.621	4.364	4.202	3.786	3.284	2.856	2.591	2.505	79.932
78.744	4.364	4.202	3.786	3.284	2.856	2.591	2.505	84.319
83.088	4.364	4.202	3.786	3.284	2.856	2.591	2.504	88.942
87.667	4.364	4.202	3.786	3.284	2.856	2.591	2.504	93.815
92.492	4.364	4.202	3.786	3.284	2.856	2.590	2.504	98.949
97.577	4.364	4.202	3.786	3.284	2.856	2.590	2.504	104.360
104.320	4.364	4.202	3.787	3.284	2.856	2.590	2.504	111.536
110.041	4.364	4.202	3.787	3.284	2.856	2.590	2.504	117.625
116.071	4.364	4.202	3.787	3.285	2.856	2.590	2.504	124.042
122.426	4.364	4.202	3.787	3.285	2.856	2.590	2.504	130.805
129.123	4.364	4.202	3.787	3.285	2.856	2.590	2.504	137.931
136.181	4.364	4.202	3.787	3.285	2.856	2.590	2.504	145.442
143.618	4.364	4.202	3.787	3.285	2.856	2.590	2.504	153.357
151.457	4.364	4.202	3.787	3.285	2.856	2.590	2.504	161.698
159.717	4.364	4.202	3.787	3.285	2.856	2.590	2.504	170.489
168.422	4.364	4.202	3.787	3.285	2.856	2.590	2.504	179.753
177.596	4.364	4.202	3.787	3.285	2.856	2.590	2.504	189.515
187.264	4.364	4.202	3.787	3.285	2.856	2.590	2.504	199.804
200.085	4.364	4.202	3.787	3.285	2.857	2.590	2.504	213.447

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	6.769	6.539	5.942	5.200	4.538	4.100	3.949	1.222
.758	6.786	6.546	5.927	5.164	4.488	4.044	3.892	1.328
.868	6.751	6.508	5.885	5.125	4.458	4.021	3.871	1.445
1.018	6.662	6.415	5.784	5.022	4.362	3.935	3.789	1.604
1.180	6.554	6.304	5.671	4.912	4.260	3.840	3.698	1.778
1.355	6.451	6.197	5.557	4.799	4.156	3.746	3.607	1.964
1.541	6.368	6.109	5.459	4.696	4.056	3.653	3.518	2.161
1.736	6.314	6.048	5.384	4.609	3.967	3.568	3.434	2.369
1.937	6.295	6.018	5.334	4.543	3.893	3.493	3.361	2.583
2.102	6.279	6.000	5.297	4.492	3.837	3.439	3.308	2.759
2.314	6.311	6.004	5.265	4.439	3.772	3.376	3.248	2.984
2.529	6.379	6.065	5.295	4.432	3.742	3.329	3.198	3.213
2.747	6.461	6.129	5.328	4.437	3.731	3.299	3.160	3.445
2.967	6.562	6.217	5.376	4.445	3.720	3.283	3.136	3.679
3.189	6.672	6.312	5.439	4.470	3.712	3.272	3.125	3.915
3.413	6.787	6.416	5.506	4.506	3.717	3.264	3.119	4.154
3.639	6.902	6.522	5.583	4.543	3.733	3.261	3.115	4.395
3.868	7.009	6.626	5.663	4.587	3.752	3.263	3.111	4.638
4.053	7.087	6.705	5.728	4.627	3.769	3.269	3.111	4.834
4.286	7.174	6.794	5.811	4.677	3.795	3.280	3.116	5.083
4.524	7.251	6.874	5.889	4.730	3.826	3.296	3.127	5.336
4.766	7.321	6.945	5.964	4.786	3.859	3.315	3.142	5.593
5.013	7.385	7.009	6.033	4.843	3.890	3.338	3.160	5.856
5.266	7.443	7.068	6.095	4.898	3.924	3.362	3.180	6.125
5.525	7.494	7.121	6.152	4.952	3.962	3.387	3.202	6.402
5.793	7.537	7.169	6.203	5.006	4.001	3.414	3.227	6.686
6.070	7.573	7.210	6.251	5.056	4.039	3.441	3.253	6.981
6.299	7.596	7.238	6.286	5.094	4.069	3.464	3.274	7.225
6.596	7.619	7.266	6.327	5.140	4.109	3.494	3.299	7.541
6.906	7.635	7.288	6.363	5.182	4.151	3.525	3.326	7.871
7.231	7.646	7.303	6.394	5.221	4.189	3.557	3.354	8.216
7.573	7.652	7.314	6.419	5.257	4.225	3.589	3.386	8.580
7.933	7.656	7.320	6.439	5.290	4.263	3.623	3.417	8.964
8.314	7.657	7.323	6.453	5.320	4.300	3.657	3.448	9.370
8.719	7.656	7.324	6.463	5.347	4.331	3.691	3.480	9.800
9.150	7.655	7.324	6.469	5.371	4.362	3.724	3.514	10.259
9.516	7.654	7.323	6.471	5.387	4.387	3.750	3.542	10.648
10.002	7.653	7.322	6.473	5.403	4.413	3.781	3.574	11.165
10.523	7.651	7.321	6.473	5.415	4.437	3.811	3.604	11.720
11.084	7.648	7.319	6.472	5.424	4.460	3.838	3.635	12.317
11.688	7.646	7.317	6.471	5.429	4.479	3.864	3.664	12.959
12.340	7.645	7.315	6.470	5.433	4.495	3.887	3.688	13.653
13.045	7.644	7.313	6.468	5.435	4.509	3.908	3.713	14.403
13.808	7.644	7.312	6.467	5.436	4.519	3.926	3.735	15.215
14.635	7.644	7.312	6.465	5.436	4.527	3.942	3.753	16.095

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.346	7.645	7.312	6.464	5.436	4.531	3.952	3.766	16.852
16.302	7.646	7.313	6.463	5.435	4.535	3.963	3.780	17.870
17.339	7.647	7.314	6.462	5.435	4.538	3.970	3.790	18.974
18.464	7.649	7.315	6.462	5.434	4.540	3.976	3.799	20.170
19.666	7.651	7.316	6.462	5.433	4.541	3.979	3.804	21.450
20.939	7.653	7.318	6.463	5.433	4.542	3.981	3.806	22.804
22.285	7.655	7.320	6.463	5.433	4.543	3.982	3.808	24.237
23.710	7.657	7.322	6.464	5.433	4.544	3.983	3.808	25.753
25.217	7.659	7.323	6.465	5.433	4.545	3.984	3.808	27.357
26.486	7.660	7.325	6.465	5.433	4.545	3.984	3.807	28.707
28.155	7.662	7.326	6.466	5.433	4.545	3.985	3.807	30.484
29.922	7.663	7.327	6.467	5.433	4.546	3.985	3.806	32.364
31.792	7.664	7.328	6.468	5.433	4.546	3.986	3.806	34.354
33.771	7.665	7.329	6.468	5.433	4.546	3.986	3.806	36.460
35.866	7.666	7.330	6.469	5.432	4.547	3.986	3.805	38.690
38.084	7.667	7.331	6.469	5.432	4.547	3.987	3.805	41.050
40.432	7.667	7.332	6.470	5.432	4.547	3.987	3.805	43.548
42.917	7.668	7.332	6.471	5.432	4.547	3.988	3.805	46.193
45.010	7.668	7.333	6.471	5.432	4.546	3.988	3.805	48.420
47.764	7.669	7.333	6.472	5.432	4.546	3.988	3.805	51.351
50.679	7.669	7.334	6.472	5.432	4.546	3.988	3.805	54.453
53.765	7.669	7.334	6.473	5.432	4.546	3.989	3.806	57.737
57.033	7.669	7.334	6.473	5.432	4.546	3.989	3.806	61.214
60.492	7.669	7.334	6.474	5.433	4.545	3.989	3.806	64.896
64.154	7.669	7.334	6.474	5.433	4.545	3.989	3.806	68.793
68.031	7.669	7.334	6.474	5.433	4.545	3.989	3.806	72.919
72.135	7.669	7.335	6.474	5.433	4.545	3.989	3.806	77.286
75.592	7.669	7.335	6.475	5.434	4.545	3.989	3.807	80.965
80.140	7.670	7.335	6.475	5.434	4.545	3.989	3.807	85.805
84.955	7.670	7.335	6.475	5.434	4.545	3.989	3.807	90.929
90.053	7.670	7.335	6.475	5.434	4.545	3.989	3.807	96.354
95.450	7.670	7.335	6.475	5.435	4.545	3.989	3.806	102.097
101.163	7.670	7.335	6.475	5.435	4.545	3.989	3.806	108.177
107.212	7.670	7.335	6.475	5.435	4.545	3.989	3.806	114.615
113.616	7.670	7.335	6.475	5.435	4.545	3.989	3.806	121.429
120.396	7.670	7.335	6.475	5.435	4.545	3.989	3.806	128.644
126.105	7.670	7.335	6.475	5.435	4.545	3.989	3.806	134.720
133.618	7.670	7.335	6.475	5.435	4.546	3.989	3.806	142.714
141.571	7.670	7.335	6.475	5.436	4.546	3.989	3.806	151.178
149.991	7.670	7.335	6.475	5.436	4.546	3.989	3.805	160.139
158.905	7.670	7.335	6.475	5.436	4.546	3.989	3.805	169.625
168.343	7.670	7.335	6.475	5.436	4.546	3.989	3.805	179.668
178.334	7.670	7.335	6.475	5.436	4.546	3.989	3.805	190.300
188.911	7.670	7.335	6.475	5.436	4.546	3.989	3.805	201.557
200.109	7.670	7.335	6.475	5.436	4.546	3.989	3.805	213.473

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	24.299	23.410	21.120	18.301	15.810	14.175	13.613	1.222
.797	23.847	22.944	20.628	17.807	15.337	13.728	13.177	1.370
.955	23.112	22.199	19.880	17.099	14.708	13.172	12.650	1.538
1.161	22.191	21.274	18.970	16.246	13.935	12.464	11.967	1.757
1.387	21.373	20.440	18.118	15.421	13.180	11.778	11.308	1.997
1.592	20.842	19.884	17.517	14.805	12.591	11.228	10.775	2.216
1.841	20.472	19.461	16.998	14.226	12.007	10.667	10.227	2.481
2.094	20.339	19.268	16.653	13.777	11.525	10.191	9.761	2.750
2.349	20.522	19.314	16.474	13.441	11.136	9.782	9.352	3.021
2.602	20.909	19.599	16.539	13.311	10.888	9.499	9.045	3.290
2.816	21.392	19.977	16.672	13.249	10.720	9.310	8.855	3.519
3.063	22.051	20.524	16.948	13.264	10.584	9.107	8.659	3.781
3.305	22.734	21.136	17.301	13.351	10.527	8.951	8.478	4.039
3.543	23.364	21.741	17.715	13.488	10.505	8.862	8.345	4.292
3.777	23.921	22.290	18.155	13.678	10.508	8.814	8.273	4.541
3.976	24.365	22.717	18.533	13.863	10.541	8.783	8.239	4.752
4.205	24.875	23.188	18.952	14.105	10.607	8.760	8.206	4.997
4.433	25.376	23.653	19.343	14.363	10.691	8.756	8.179	5.239
4.659	25.844	24.112	19.712	14.627	10.798	8.772	8.167	5.480
4.886	26.253	24.544	20.072	14.899	10.927	8.800	8.172	5.721
5.082	26.546	24.876	20.381	15.129	11.043	8.834	8.184	5.930
5.312	26.820	25.206	20.740	15.393	11.184	8.893	8.206	6.175
5.547	27.024	25.471	21.089	15.654	11.340	8.972	8.244	6.424
5.786	27.164	25.671	21.414	15.909	11.507	9.062	8.306	6.679
6.032	27.246	25.811	21.704	16.167	11.675	9.152	8.385	6.941
6.249	27.275	25.886	21.916	16.388	11.827	9.238	8.454	7.171
6.510	27.274	25.927	22.119	16.648	12.015	9.357	8.536	7.449
6.782	27.249	25.927	22.271	16.908	12.201	9.484	8.633	7.738
7.065	27.214	25.900	22.375	17.160	12.393	9.609	8.752	8.040
7.363	27.172	25.859	22.434	17.397	12.591	9.746	8.873	8.357
7.630	27.130	25.820	22.452	17.582	12.757	9.879	8.973	8.641
7.957	27.076	25.770	22.442	17.769	12.960	10.035	9.106	8.989
8.304	27.020	25.716	22.408	17.920	13.164	10.195	9.260	9.358
8.672	26.972	25.660	22.361	18.032	13.369	10.376	9.410	9.750
9.064	26.935	25.608	22.309	18.107	13.574	10.550	9.575	10.167
9.419	26.913	25.574	22.263	18.143	13.741	10.704	9.732	10.545
9.858	26.899	25.548	22.208	18.156	13.924	10.894	9.903	11.012
10.328	26.893	25.534	22.156	18.142	14.084	11.076	10.089	11.512
10.825	26.895	25.531	22.113	18.111	14.214	11.267	10.275	12.041
11.352	26.903	25.536	22.083	18.073	14.313	11.442	10.459	12.602
11.830	26.911	25.544	22.068	18.037	14.371	11.593	10.620	13.111
12.425	26.920	25.555	22.061	17.996	14.415	11.749	10.797	13.744
13.056	26.933	25.565	22.061	17.957	14.431	11.888	10.968	14.416
13.719	26.949	25.579	22.070	17.925	14.429	11.996	11.117	15.121
14.420	26.962	25.591	22.079	17.899	14.414	12.075	11.242	15.866

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.055	26.971	25.603	22.088	17.884	14.395	12.122	11.330	16.542
15.829	26.979	25.613	22.098	17.874	14.371	12.149	11.400	17.367
16.634	26.988	25.622	22.109	17.873	14.348	12.159	11.444	18.223
17.473	26.994	25.626	22.118	17.873	14.326	12.152	11.462	19.116
18.345	26.999	25.630	22.125	17.878	14.307	12.137	11.462	20.044
19.116	27.006	25.635	22.131	17.883	14.294	12.119	11.452	20.865
20.049	27.011	25.638	22.134	17.887	14.283	12.098	11.433	21.657
21.021	27.017	25.643	22.136	17.892	14.274	12.076	11.412	22.892
22.039	27.022	25.648	22.138	17.896	14.271	12.057	11.388	23.975
23.108	27.026	25.652	22.140	17.898	14.268	12.038	11.368	25.112
24.070	27.029	25.656	22.142	17.901	14.267	12.027	11.350	26.136
25.253	27.033	25.659	22.145	17.903	14.269	12.013	11.333	27.396
26.511	27.036	25.662	22.148	17.905	14.269	12.005	11.317	28.734
27.854	27.038	25.665	22.151	17.908	14.270	11.999	11.303	30.163
29.297	27.040	25.667	22.152	17.911	14.273	11.994	11.292	31.699
30.625	27.042	25.669	22.153	17.913	14.273	11.997	11.281	33.112
32.300	27.043	25.670	22.154	17.915	14.274	11.994	11.275	34.895
34.133	27.045	25.671	22.154	17.916	14.278	11.997	11.265	36.845
36.155	27.047	25.673	22.153	17.916	14.282	12.001	11.264	38.997
38.399	27.046	25.675	22.153	17.914	14.285	12.001	11.261	41.385
40.532	27.050	25.677	22.153	17.911	14.288	12.006	11.261	43.654
43.305	27.052	25.679	22.154	17.907	14.289	12.007	11.267	46.606
46.417	27.053	25.681	22.156	17.904	14.287	12.008	11.266	49.918
49.774	27.055	25.684	22.160	17.903	14.286	12.010	11.269	53.490
53.364	27.057	25.686	22.163	17.905	14.285	12.012	11.270	57.310
56.638	27.058	25.687	22.165	17.906	14.284	12.011	11.269	60.795
60.705	27.059	25.688	22.168	17.907	14.281	12.009	11.266	65.122
65.054	27.060	25.689	22.170	17.910	14.279	12.007	11.261	69.750
69.705	27.060	25.690	22.171	17.912	14.278	12.004	11.257	74.700
74.679	27.060	25.690	22.172	17.914	14.277	12.000	11.252	79.993
79.217	27.061	25.690	22.172	17.916	14.277	11.997	11.249	84.822
84.852	27.061	25.690	22.173	17.917	14.278	11.994	11.245	90.819
90.878	27.061	25.690	22.173	17.919	14.279	11.991	11.241	97.232
97.323	27.061	25.690	22.173	17.920	14.279	11.989	11.237	104.091
104.216	27.061	25.690	22.173	17.921	14.281	11.987	11.234	111.426
110.504	27.061	25.690	22.173	17.921	14.282	11.986	11.231	118.118
118.313	27.061	25.690	22.173	17.921	14.283	11.986	11.228	126.428
126.664	27.061	25.691	22.173	17.922	14.284	11.986	11.225	135.315
135.596	27.061	25.690	22.173	17.922	14.285	11.986	11.223	144.820
145.148	27.061	25.690	22.173	17.922	14.286	11.987	11.221	154.985
153.862	27.061	25.690	22.173	17.922	14.286	11.987	11.220	164.258
164.683	27.061	25.690	22.173	17.922	14.287	11.988	11.218	175.774
176.256	27.061	25.690	22.173	17.923	14.287	11.989	11.217	188.089
188.633	27.061	25.690	22.173	17.923	14.288	11.989	11.216	201.260
201.869	27.061	25.690	22.173	17.923	14.288	11.990	11.215	215.346

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	53.465	51.480	46.374	40.102	34.570	30.945	29.701	1.222
.993	49.983	47.961	42.843	36.730	31.501	28.157	27.025	1.579
1.376	46.280	44.222	39.116	33.207	28.314	25.261	24.238	1.986
1.870	43.935	41.677	36.220	30.143	25.325	22.437	21.492	2.511
2.339	44.126	41.463	35.204	28.542	23.502	20.591	19.660	3.011
2.824	46.292	43.050	35.568	27.914	22.377	19.302	18.342	3.526
3.250	49.080	45.454	36.802	28.017	21.877	18.563	17.545	3.980
3.680	51.650	47.931	38.592	28.599	21.723	18.106	17.011	4.437
4.060	53.781	49.885	40.256	29.411	21.816	17.889	16.715	4.842
4.425	55.871	51.807	41.732	30.350	22.068	17.813	16.552	5.231
4.804	57.750	53.755	43.236	31.384	22.461	17.848	16.490	5.634
5.151	58.985	55.216	44.664	32.319	22.911	17.966	16.512	6.003
5.523	59.784	56.296	46.134	33.290	23.455	18.167	16.609	6.399
5.873	60.125	56.888	47.308	34.205	24.005	18.415	16.758	6.771
6.257	60.171	57.148	48.260	35.222	24.620	18.738	16.978	7.180
6.626	60.059	57.130	48.850	36.184	25.209	19.088	17.234	7.572
7.035	59.876	56.972	49.185	37.163	25.855	19.506	17.559	8.008
7.433	59.659	56.778	49.260	37.958	26.480	19.929	17.906	8.432
7.848	59.425	56.549	49.173	38.590	27.132	20.375	18.287	8.873
8.311	59.223	56.294	48.989	39.067	27.854	20.876	18.726	9.366
8.763	59.112	56.105	48.785	39.333	28.523	21.364	19.158	9.847
9.267	59.067	55.991	48.549	39.446	29.196	21.908	19.644	10.384
9.758	59.078	55.960	48.341	39.426	29.745	22.438	20.119	10.906
10.305	59.126	55.983	48.174	39.322	30.219	23.018	20.654	11.488
10.836	59.183	56.036	48.091	39.188	30.545	23.556	21.173	12.053
11.388	59.239	56.101	48.069	39.041	30.765	24.070	21.702	12.641
12.003	59.298	56.165	48.095	38.884	30.895	24.569	22.258	13.295
12.600	59.353	56.218	48.146	38.756	30.935	24.964	22.747	13.930
13.266	59.406	56.273	48.212	38.658	30.915	25.298	23.214	14.639
13.912	59.444	56.320	48.272	38.609	30.860	25.523	23.577	15.327
14.634	59.469	56.358	48.327	38.597	30.783	25.677	23.875	16.094
15.335	59.483	56.379	48.372	38.613	30.704	25.749	24.066	16.841
16.118	59.489	56.389	48.414	38.648	30.620	25.765	24.183	17.674
16.880	59.488	56.389	48.446	38.689	30.551	25.736	24.221	18.485
17.674	59.485	56.384	48.466	38.731	30.500	25.680	24.203	19.330
18.560	59.481	56.377	48.474	38.772	30.469	25.603	24.140	20.273
19.424	59.477	56.370	48.472	38.806	30.461	25.525	24.055	21.192
20.388	59.472	56.363	48.463	38.836	30.469	25.442	23.950	22.218
21.328	59.469	56.358	48.452	38.859	30.488	25.373	23.847	23.218
22.377	59.466	56.354	48.439	38.876	30.514	25.314	23.742	24.335
23.400	59.464	56.352	48.428	38.885	30.541	25.276	23.655	25.423
24.465	59.462	56.350	48.420	38.886	30.567	25.257	23.585	26.556
25.655	59.460	56.349	48.412	38.882	30.593	25.253	23.535	27.823
26.814	59.458	56.348	48.407	38.875	30.615	25.261	23.510	29.057
28.110	59.457	56.347	48.402	38.865	30.635	25.280	23.505	30.436

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.372	59.456	56.345	48.400	38.856	30.650	25.303	23.516	31.779
30.783	59.455	56.344	48.398	38.847	30.663	25.331	23.540	33.280
32.156	59.456	56.343	48.396	38.839	30.670	25.357	23.571	34.741
33.692	59.457	56.343	48.395	38.832	30.674	25.385	23.609	36.375
35.187	59.458	56.343	48.394	38.826	30.674	25.409	23.646	37.966
36.744	59.460	56.343	48.393	38.821	30.673	25.432	23.683	39.624
38.485	59.462	56.345	48.392	38.816	30.670	25.454	23.722	41.477
40.181	59.464	56.347	48.391	38.813	30.666	25.471	23.757	43.281
42.076	59.465	56.349	48.391	38.810	30.662	25.485	23.792	45.298
43.922	59.466	56.351	48.392	38.807	30.659	25.495	23.821	47.262
45.985	59.467	56.353	48.393	38.805	30.655	25.503	23.848	49.458
47.994	59.467	56.354	48.394	38.804	30.652	25.507	23.869	51.596
50.087	59.467	56.354	48.396	38.802	30.649	25.510	23.885	53.823
52.427	59.466	56.355	48.398	38.802	30.646	25.512	23.899	56.313
54.706	59.466	56.355	48.400	38.802	30.643	25.512	23.909	58.738
57.254	59.465	56.354	48.401	38.802	30.641	25.512	23.918	61.449
59.734	59.464	56.353	48.402	38.802	30.640	25.512	23.924	64.090
62.508	59.464	56.352	48.402	38.803	30.638	25.511	23.929	67.041
65.209	59.463	56.351	48.402	38.804	30.638	25.510	23.934	69.915
68.229	59.463	56.350	48.402	38.805	30.637	25.509	23.938	73.129
71.169	59.462	56.350	48.401	38.806	30.637	25.508	23.941	76.258
74.233	59.462	56.349	48.401	38.806	30.637	25.507	23.944	79.518
77.658	59.463	56.349	48.400	38.806	30.637	25.506	23.947	83.163
80.993	59.463	56.349	48.399	38.806	30.638	25.505	23.949	86.713
84.722	59.463	56.349	48.398	38.806	30.639	25.504	23.951	90.681
88.353	59.464	56.349	48.397	38.806	30.640	25.504	23.953	94.545
92.413	59.464	56.349	48.396	38.805	30.641	25.503	23.954	98.865
96.366	59.465	56.350	48.396	38.804	30.642	25.503	23.956	103.072
100.485	59.465	56.351	48.396	38.803	30.643	25.502	23.957	107.455
105.089	59.465	56.351	48.396	38.802	30.644	25.502	23.958	112.355
109.573	59.466	56.352	48.396	38.801	30.644	25.502	23.960	117.127
114.586	59.466	56.352	48.396	38.800	30.645	25.502	23.961	122.461
119.468	59.466	56.353	48.397	38.799	30.645	25.502	23.962	127.656
124.925	59.466	56.353	48.397	38.798	30.645	25.502	23.963	133.464
130.240	59.467	56.353	48.398	38.797	30.645	25.502	23.965	139.120
136.181	59.467	56.353	48.399	38.797	30.645	25.502	23.966	145.443
141.967	59.467	56.353	48.399	38.797	30.645	25.502	23.967	151.600
147.996	59.467	56.354	48.400	38.796	30.645	25.502	23.968	158.015
154.735	59.467	56.354	48.400	38.796	30.645	25.502	23.970	165.187
161.298	59.467	56.354	48.400	38.796	30.645	25.501	23.971	172.172
168.636	59.467	56.354	48.401	38.796	30.645	25.501	23.972	179.980
175.781	59.467	56.354	48.401	38.796	30.645	25.501	23.972	187.584
183.769	59.467	56.354	48.401	38.796	30.646	25.500	23.973	196.085
191.549	59.467	56.354	48.402	38.796	30.646	25.499	23.974	204.363
200.246	59.467	56.354	48.402	38.796	30.646	25.499	23.974	213.618

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	94.297	90.780	81.736	70.630	60.837	54.425	52.226	1.222
1.018	87.335	83.764	74.742	63.990	54.812	48.956	46.974	1.605
1.433	80.331	76.678	67.641	57.246	48.698	43.398	41.629	2.047
1.926	76.621	72.561	62.806	52.037	43.565	38.522	36.878	2.571
2.421	77.538	72.640	61.229	49.241	40.295	35.182	33.556	3.098
2.894	81.836	75.882	62.174	48.326	38.453	33.029	31.345	3.601
3.335	87.072	80.543	64.726	48.654	37.601	31.715	29.919	4.071
3.749	91.400	84.699	67.932	49.772	37.384	30.960	29.029	4.511
4.141	95.526	88.381	70.945	51.348	37.591	30.573	28.492	4.928
4.515	99.476	92.113	73.641	53.112	38.089	30.447	28.202	5.326
4.877	102.592	95.490	76.347	54.876	38.788	30.514	28.096	5.712
5.234	104.669	98.058	79.119	56.576	39.631	30.733	28.135	6.091
5.590	105.822	99.740	81.703	58.263	40.575	31.079	28.296	6.471
5.951	106.230	100.634	83.829	60.024	41.586	31.536	28.568	6.855
6.321	106.154	100.880	85.374	61.878	42.636	32.093	28.942	7.248
6.703	105.862	100.707	86.336	63.744	43.718	32.737	29.412	7.655
7.099	105.451	100.352	86.765	65.482	44.847	33.452	29.970	8.077
7.512	104.947	99.899	86.761	66.951	46.047	34.225	30.604	8.516
7.944	104.471	99.372	86.487	68.069	47.325	35.044	31.300	8.975
8.394	104.143	98.886	86.087	68.816	48.649	35.911	32.047	9.454
8.864	103.979	98.563	85.616	69.211	49.955	36.831	32.841	9.954
9.353	103.948	98.417	85.123	69.302	51.157	37.812	33.688	10.475
9.862	104.016	98.411	84.706	69.175	52.181	38.851	34.598	11.017
10.392	104.130	98.500	84.442	68.923	52.982	39.922	35.574	11.581
10.943	104.252	98.634	84.332	68.608	53.553	40.984	36.604	12.167
11.515	104.371	98.770	84.343	68.266	53.909	41.988	37.657	12.776
12.110	104.492	98.893	84.437	67.941	54.076	42.880	38.691	13.409
12.728	104.606	99.009	84.569	67.685	54.094	43.619	39.653	14.067
13.372	104.695	99.117	84.706	67.527	54.008	44.187	40.495	14.751
14.041	104.756	99.204	84.830	67.464	53.860	44.583	41.179	15.463
14.737	104.792	99.259	84.938	67.475	53.677	44.820	41.687	16.205
15.463	104.810	99.286	85.035	67.538	53.480	44.918	42.020	16.977
16.219	104.813	99.294	85.114	67.628	53.294	44.906	42.191	17.781
17.007	104.807	99.287	85.168	67.726	53.145	44.812	42.222	18.620
17.828	104.798	99.273	85.193	67.818	53.050	44.663	42.144	19.494
18.684	104.786	99.257	85.195	67.899	53.008	44.483	41.987	20.405
19.577	104.774	99.241	85.182	67.971	53.010	44.289	41.776	21.355
20.509	104.766	99.226	85.159	68.031	53.043	44.104	41.536	22.346
21.480	104.761	99.215	85.132	68.077	53.095	43.946	41.288	23.380
22.493	104.758	99.209	85.107	68.104	53.156	43.830	41.056	24.458
23.549	104.755	99.208	85.086	68.113	53.217	43.760	40.862	25.582
24.651	104.752	99.208	85.068	68.108	53.274	43.731	40.720	26.754
25.799	104.748	99.207	85.054	68.094	53.327	43.736	40.630	27.977
26.998	104.746	99.206	85.045	68.075	53.374	43.766	40.591	29.252
28.248	104.744	99.204	85.041	68.054	53.414	43.813	40.594	30.582

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.551	104.742	99.202	85.038	68.035	53.445	43.868	40.629	31.969
30.911	104.742	99.199	85.037	68.017	53.466	43.927	40.686	33.416
32.329	104.742	99.197	85.036	68.001	53.477	43.985	40.758	34.925
33.808	104.744	99.196	85.035	67.988	53.479	44.042	40.836	36.499
35.350	104.747	99.196	85.033	67.977	53.476	44.096	40.917	38.141
36.959	104.750	99.197	85.031	67.968	53.470	44.144	40.998	39.853
38.637	104.754	99.199	85.029	67.962	53.462	44.184	41.077	41.638
40.387	104.758	99.203	85.028	67.957	53.454	44.216	41.150	43.501
42.212	104.760	99.207	85.028	67.953	53.445	44.240	41.216	45.443
44.116	104.762	99.211	85.028	67.949	53.437	44.256	41.272	47.469
46.102	104.763	99.214	85.030	67.946	53.430	44.266	41.317	49.582
48.173	104.763	99.217	85.032	67.944	53.423	44.271	41.353	51.786
50.333	104.763	99.218	85.035	67.942	53.418	44.274	41.381	54.085
52.586	104.762	99.219	85.039	67.940	53.413	44.274	41.401	56.483
54.936	104.761	99.218	85.042	67.940	53.409	44.273	41.416	58.984
57.388	104.759	99.217	85.045	67.940	53.406	44.271	41.427	61.592
59.945	104.758	99.216	85.047	67.941	53.404	44.268	41.436	64.313
62.612	104.756	99.214	85.048	67.942	53.402	44.266	41.442	67.152
65.394	104.755	99.212	85.048	67.943	53.401	44.264	41.448	70.112
68.296	104.754	99.210	85.047	67.945	53.400	44.262	41.452	73.201
71.323	104.754	99.208	85.046	67.947	53.399	44.260	41.457	76.422
74.480	104.754	99.207	85.044	67.948	53.400	44.259	41.462	79.781
77.773	104.754	99.206	85.042	67.948	53.400	44.258	41.467	83.286
81.208	104.755	99.206	85.040	67.948	53.401	44.257	41.472	86.941
84.791	104.756	99.206	85.038	67.948	53.403	44.256	41.477	90.754
88.528	104.757	99.207	85.037	67.947	53.405	44.255	41.481	94.731
92.426	104.757	99.208	85.036	67.946	53.406	44.255	41.484	98.879
96.492	104.758	99.209	85.035	67.944	53.408	44.254	41.488	103.206
100.733	104.759	99.210	85.034	67.942	53.410	44.254	41.490	107.719
105.157	104.760	99.211	85.035	67.940	53.411	44.253	41.493	112.427
109.771	104.760	99.212	85.035	67.938	53.412	44.253	41.495	117.337
114.583	104.760	99.213	85.036	67.936	53.413	44.253	41.497	122.458
119.603	104.761	99.214	85.037	67.934	53.414	44.254	41.499	127.801
124.839	104.761	99.214	85.038	67.933	53.414	44.254	41.501	133.373
130.301	104.762	99.214	85.039	67.931	53.414	44.254	41.503	139.185
135.998	104.762	99.215	85.040	67.930	53.414	44.254	41.505	145.248
141.940	104.762	99.215	85.041	67.930	53.414	44.254	41.507	151.571
148.138	104.762	99.215	85.042	67.929	53.414	44.254	41.509	158.167
154.604	104.763	99.215	85.043	67.929	53.414	44.254	41.511	165.047
161.347	104.763	99.215	85.044	67.929	53.414	44.253	41.514	172.224
168.381	104.763	99.215	85.044	67.929	53.414	44.253	41.515	179.709
175.718	104.763	99.216	85.045	67.929	53.414	44.252	41.517	187.517
183.371	104.763	99.216	85.045	67.930	53.414	44.251	41.518	195.661
191.354	104.763	99.216	85.045	67.930	53.414	44.250	41.520	204.156
200.249	104.763	99.216	85.046	67.930	53.415	44.249	41.521	213.622

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	146.788	141.300	127.192	109.870	94.605	84.609	81.183	1.222
1.016	135.751	130.187	116.134	99.391	85.105	75.992	72.909	1.603
1.431	124.701	119.014	104.953	88.787	75.500	67.266	64.517	2.044
1.921	113.779	112.463	97.298	80.575	67.427	59.605	57.056	2.566
2.446	120.409	112.673	94.709	75.936	61.998	54.064	51.547	3.124
2.913	127.320	117.925	96.305	74.577	59.177	50.752	48.143	3.621
3.349	135.432	125.207	100.351	75.113	57.861	48.717	45.935	4.085
3.783	142.549	131.981	105.664	77.004	57.514	47.476	44.471	4.547
4.167	149.062	137.749	110.254	79.475	57.851	46.885	43.646	4.956
4.534	155.219	143.630	114.419	82.198	58.622	46.685	43.192	5.347
4.912	160.265	149.186	118.970	85.073	59.777	46.791	43.010	5.749
5.262	163.322	153.048	123.332	87.673	61.079	47.126	43.065	6.121
5.611	164.961	155.536	127.347	90.290	62.530	47.654	43.305	6.493
5.965	165.475	156.806	130.618	93.057	64.074	48.350	43.713	6.870
6.353	165.264	157.087	133.103	96.181	65.786	49.258	44.318	7.282
6.728	164.752	156.737	134.496	99.120	67.448	50.244	45.037	7.681
7.118	164.039	156.132	135.065	101.835	69.200	51.335	45.889	8.096
7.551	163.135	155.298	134.959	104.249	71.213	52.592	46.921	8.557
7.976	162.388	154.411	134.465	105.936	73.239	53.847	47.982	9.009
8.419	161.902	153.646	133.782	107.042	75.339	55.181	49.119	9.481
8.913	161.665	153.146	132.922	107.617	77.536	56.712	50.418	10.006
9.395	161.659	152.963	132.106	107.681	79.413	58.262	51.733	10.519
9.896	161.796	152.995	131.456	107.425	80.996	59.910	53.162	11.053
10.417	161.990	153.167	131.068	106.984	82.226	61.611	54.709	11.607
10.995	162.203	153.408	130.925	106.403	83.143	63.412	56.459	12.222
11.558	162.403	153.629	130.984	105.818	83.657	64.997	58.141	12.821
12.142	162.605	153.831	131.163	105.281	83.880	66.397	59.789	13.443
12.790	162.795	154.038	131.407	104.856	83.869	67.619	61.415	14.133
13.423	162.925	154.211	131.632	104.631	83.697	68.486	62.735	14.806
14.080	163.011	154.339	131.833	104.556	83.429	69.086	63.800	15.506
14.811	163.065	154.417	132.026	104.605	83.079	69.453	64.630	16.283
15.524	163.085	154.450	132.184	104.730	82.733	69.576	65.124	17.042
16.267	163.085	154.454	132.306	104.891	82.419	69.527	65.364	17.833
17.094	163.073	154.439	132.383	105.066	82.168	69.335	65.382	18.712
17.902	163.054	154.414	132.410	105.218	82.028	69.064	65.223	19.572
18.744	163.031	154.386	132.404	105.353	81.976	68.741	64.937	20.468
19.621	163.012	154.358	132.376	105.473	81.993	68.400	64.563	21.402
20.598	163.000	154.332	132.332	105.578	82.065	68.062	64.111	22.441
21.553	162.994	154.315	132.289	105.646	82.159	67.803	63.680	23.458
22.548	162.989	154.308	132.249	105.682	82.263	67.619	63.289	24.517
23.656	162.985	154.308	132.211	105.689	82.373	67.507	62.951	25.695
24.739	162.981	154.309	132.183	105.675	82.469	67.473	62.726	26.849
25.869	162.977	154.310	132.162	105.647	82.558	67.492	62.591	28.050
27.126	162.973	154.309	132.150	105.611	82.642	67.554	62.537	29.388
28.355	162.970	154.306	132.145	105.577	82.707	67.638	62.555	30.696

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.637	162.968	154.302	132.144	105.545	82.755	67.733	62.622	32.060
30.972	162.967	154.299	132.144	105.517	82.783	67.833	62.723	33.481
32.458	162.968	154.295	132.144	105.490	82.796	67.940	62.853	35.063
33.913	162.970	154.293	132.143	105.469	82.796	68.036	62.986	36.610
35.428	162.975	154.291	132.140	105.453	82.789	68.125	63.124	38.223
37.115	162.981	154.293	132.137	105.440	82.776	68.208	63.269	40.018
38.765	162.987	154.297	132.133	105.432	82.762	68.270	63.399	41.774
40.484	162.992	154.302	132.131	105.426	82.747	68.318	63.518	43.604
42.398	162.997	154.309	132.130	105.420	82.732	68.353	63.627	45.641
44.271	162.999	154.316	132.130	105.415	82.719	68.375	63.711	47.634
46.222	163.001	154.322	132.132	105.411	82.706	68.387	63.778	49.710
48.256	163.001	154.326	132.136	105.407	82.696	68.393	63.831	51.875
50.520	163.000	154.328	132.141	105.404	82.687	68.394	63.872	54.284
52.735	162.998	154.329	132.147	105.402	82.681	68.392	63.901	56.641
55.043	162.996	154.328	132.152	105.401	82.676	68.388	63.921	59.098
57.613	162.994	154.326	132.157	105.401	82.672	68.383	63.936	61.832
60.127	162.991	154.323	132.160	105.402	82.669	68.378	63.946	64.508
62.748	162.989	154.320	132.162	105.403	82.666	68.374	63.953	67.296
65.665	162.987	154.317	132.162	105.406	82.664	68.370	63.959	70.400
68.518	162.986	154.313	132.161	105.408	82.663	68.368	63.965	73.437
71.493	162.985	154.311	132.159	105.410	82.662	68.367	63.972	76.603
74.804	162.986	154.309	132.156	105.412	82.663	68.365	63.980	80.126
78.043	162.986	154.307	132.153	105.413	82.664	68.364	63.989	83.573
81.419	162.987	154.307	132.150	105.414	82.665	68.363	63.997	87.166
84.938	162.988	154.308	132.146	105.413	82.667	68.362	64.005	90.910
88.854	162.990	154.309	132.144	105.412	82.670	68.361	64.013	95.078
92.686	162.991	154.310	132.141	105.409	82.673	68.360	64.020	99.156
96.680	162.992	154.312	132.140	105.407	82.675	68.360	64.025	103.406
101.126	162.994	154.314	132.140	105.403	82.678	68.359	64.030	108.137
105.475	162.994	154.316	132.140	105.400	82.680	68.359	64.034	112.766
110.008	162.995	154.318	132.141	105.397	82.682	68.359	64.037	117.590
115.054	162.996	154.319	132.142	105.393	82.684	68.359	64.040	122.960
119.992	162.997	154.320	132.144	105.390	82.685	68.359	64.043	128.214
125.137	162.997	154.321	132.146	105.388	82.685	68.359	64.046	133.689
130.499	162.998	154.321	132.148	105.386	82.685	68.360	64.048	139.396
136.469	162.998	154.322	132.150	105.385	82.685	68.360	64.052	145.749
142.309	162.998	154.322	132.151	105.384	82.685	68.360	64.055	151.964
148.396	162.999	154.322	132.153	105.383	82.684	68.360	64.058	158.441
155.172	162.999	154.322	132.154	105.383	82.684	68.360	64.062	165.652
161.802	162.999	154.322	132.155	105.383	82.684	68.359	64.065	172.707
168.711	162.999	154.323	132.156	105.383	82.684	68.358	64.068	180.060
176.403	162.999	154.323	132.156	105.383	82.684	68.357	64.070	188.245
183.928	162.999	154.323	132.157	105.383	82.684	68.356	64.073	196.254
191.771	163.000	154.323	132.157	105.384	82.685	68.354	64.075	204.600
200.502	163.000	154.323	132.158	105.384	82.686	68.353	64.076	213.891

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	210.951	203.056	182.757	157.838	135.877	121.503	116.580	1.222
1.016	194.932	186.933	166.731	142.666	122.135	109.040	104.611	1.602
1.429	178.931	170.760	150.558	127.338	108.260	96.438	92.492	2.042
1.951	170.121	160.948	138.983	114.862	95.970	84.762	81.119	2.598
2.441	172.564	161.442	135.637	108.702	88.725	77.361	73.754	3.120
2.936	183.283	169.619	138.161	106.651	84.422	72.304	68.557	3.646
3.368	194.849	180.098	144.103	107.505	82.589	69.433	65.437	4.106
3.798	205.012	189.712	151.728	110.267	82.117	67.672	63.356	4.564
4.179	214.446	198.042	158.249	113.824	82.605	66.826	62.174	4.968
4.565	223.831	207.096	164.618	117.973	83.798	66.527	61.486	5.380
4.915	230.512	214.532	170.800	121.805	85.351	66.669	61.241	5.752
5.284	235.075	220.357	177.519	125.755	87.336	67.175	61.317	6.145
5.630	237.266	223.786	183.260	129.517	89.407	67.929	61.658	6.512
5.980	237.884	225.480	187.900	133.522	91.605	68.922	62.236	6.885
6.364	237.514	225.780	191.401	138.051	94.038	70.214	63.095	7.293
6.735	236.735	225.228	193.337	142.301	96.408	71.614	64.115	7.689
7.147	235.571	224.247	194.106	146.459	99.095	73.269	65.408	8.127
7.550	234.304	223.057	193.892	149.691	101.824	74.942	66.781	8.556
7.999	233.158	221.649	193.088	152.249	104.959	76.846	68.384	9.034
8.439	232.486	220.557	192.049	153.780	108.008	78.755	70.000	9.502
8.928	232.175	219.868	190.748	154.547	111.180	80.960	71.851	10.023
9.406	232.195	219.634	189.539	154.591	113.896	83.203	73.736	10.531
9.936	232.429	219.721	188.555	154.148	116.306	85.756	75.942	11.095
10.453	232.721	219.997	188.038	153.466	118.037	88.232	78.194	11.645
11.026	233.037	220.358	187.872	152.578	119.316	90.845	80.745	12.255
11.584	233.337	220.682	187.993	151.695	120.020	93.137	83.196	12.848
12.162	233.636	220.984	188.278	150.903	120.311	95.155	85.594	13.465
12.804	233.909	221.293	188.645	150.293	120.266	96.913	87.957	14.148
13.430	234.091	221.544	188.977	149.980	119.995	98.158	89.869	14.814
14.125	234.216	221.730	189.296	149.889	119.547	99.063	91.501	15.553
14.803	234.283	221.827	189.565	149.977	119.039	99.544	92.617	16.274
15.556	234.310	221.870	189.813	150.188	118.476	99.719	93.369	17.076
16.292	234.307	221.872	189.985	150.434	118.007	99.626	93.696	17.859
17.110	234.286	221.846	190.088	150.696	117.642	99.322	93.702	18.729
17.909	234.255	221.810	190.119	150.922	117.446	98.901	93.450	19.580
18.799	234.218	221.765	190.102	151.138	117.377	98.367	92.974	20.527
19.668	234.190	221.721	190.055	151.317	117.417	97.845	92.392	21.452
20.636	234.174	221.682	189.988	151.469	117.533	97.337	91.695	22.482
21.582	234.166	221.659	189.925	151.564	117.679	96.955	91.042	23.488
22.567	234.161	221.651	189.865	151.610	117.836	96.689	90.455	24.537
23.663	234.156	221.653	189.810	151.614	118.001	96.530	89.956	25.703
24.735	234.150	221.656	189.767	151.589	118.146	96.485	89.627	26.844
25.927	234.144	221.658	189.737	151.542	118.290	96.524	89.423	28.112
27.093	234.139	221.657	189.723	151.491	118.409	96.616	89.355	29.353
28.390	234.135	221.653	189.718	151.437	118.510	96.752	89.390	30.733

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 5.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.658	234.133	221.648	189.718	151.390	118.576	96.898	89.497	32.083
31.069	234.131	221.642	189.720	151.345	118.615	97.060	89.662	33.585
32.449	234.132	221.637	189.720	151.308	118.629	97.211	89.847	35.053
33.984	234.135	221.632	189.719	151.277	118.626	97.366	90.062	36.687
35.486	234.142	221.630	189.715	151.255	118.613	97.498	90.270	38.284
37.156	234.151	221.632	189.710	151.239	118.593	97.618	90.488	40.062
38.789	234.159	221.637	189.705	151.228	118.571	97.707	90.681	41.800
40.490	234.167	221.646	189.701	151.220	118.549	97.773	90.854	43.610
42.383	234.174	221.656	189.698	151.213	118.526	97.822	91.011	45.624
44.233	234.178	221.666	189.698	151.207	118.505	97.851	91.130	47.594
46.292	234.180	221.675	189.701	151.200	118.486	97.867	91.230	49.785
48.306	234.180	221.681	189.706	151.195	118.472	97.873	91.302	51.928
50.546	234.179	221.685	189.714	151.190	118.460	97.873	91.359	54.312
52.737	234.176	221.686	189.722	151.187	118.452	97.868	91.398	56.643
55.175	234.173	221.684	189.730	151.185	118.445	97.860	91.426	59.238
57.559	234.169	221.682	189.737	151.185	118.440	97.852	91.444	61.774
60.212	234.166	221.677	189.742	151.186	118.436	97.843	91.455	64.597
62.806	234.162	221.672	189.745	151.188	118.432	97.837	91.463	67.358
65.692	234.159	221.667	189.746	151.191	118.429	97.832	91.470	70.430
68.515	234.158	221.662	189.744	151.195	118.427	97.830	91.477	73.433
71.455	234.157	221.658	189.742	151.198	118.427	97.828	91.487	76.563
74.727	234.157	221.655	189.737	151.201	118.427	97.827	91.500	80.044
77.926	234.158	221.653	189.732	151.203	118.428	97.826	91.513	83.449
81.486	234.160	221.653	189.727	151.203	118.431	97.825	91.527	87.238
84.968	234.161	221.654	189.722	151.203	118.433	97.824	91.539	90.942
88.841	234.164	221.655	189.718	151.200	118.437	97.823	91.551	95.065
92.629	234.165	221.658	189.715	151.197	118.441	97.822	91.561	99.096
96.844	234.167	221.661	189.713	151.193	118.445	97.821	91.570	103.581
100.966	234.169	221.663	189.712	151.188	118.448	97.820	91.577	107.967
105.552	234.170	221.666	189.712	151.183	118.452	97.820	91.583	112.848
110.037	234.171	221.668	189.714	151.178	118.455	97.819	91.587	117.620
115.027	234.172	221.670	189.716	151.174	118.457	97.819	91.592	122.931
119.907	234.173	221.672	189.718	151.169	118.458	97.820	91.595	128.124
124.990	234.174	221.673	189.721	151.166	118.459	97.820	91.599	133.533
130.647	234.175	221.673	189.724	151.163	118.459	97.821	91.603	139.553
136.178	234.175	221.674	189.727	151.161	118.459	97.821	91.607	145.439
142.333	234.176	221.674	189.729	151.159	118.458	97.821	91.611	151.989
148.352	234.176	221.675	189.731	151.159	118.458	97.821	91.616	158.394
155.049	234.177	221.675	189.733	151.158	118.457	97.821	91.621	165.521
161.598	234.177	221.675	189.734	151.158	118.457	97.820	91.625	172.491
168.885	234.177	221.675	189.736	151.158	118.457	97.819	91.630	180.246
176.012	234.177	221.676	189.737	151.159	118.457	97.817	91.634	187.829
183.941	234.177	221.676	189.738	151.159	118.457	97.815	91.637	196.268
191.696	234.177	221.676	189.738	151.159	118.458	97.813	91.640	204.520
200.324	234.178	221.676	189.739	151.160	118.459	97.811	91.642	213.702

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.754	3.635	3.403	2.829	2.182	1.665	1.355	1.255	1.323
.816	3.076	2.870	2.365	1.804	1.363	1.102	1.018	1.386
.929	2.396	2.224	1.806	1.353	1.008	.808	.744	1.500
1.062	2.347	2.173	1.756	1.310	.977	.788	.728	1.633
1.217	2.334	2.157	1.735	1.287	.955	.770	.712	1.789
1.397	2.318	2.141	1.719	1.277	.950	.768	.711	1.970
1.605	2.284	2.109	1.694	1.263	.950	.776	.723	2.179
1.843	2.237	2.066	1.657	1.240	.944	.787	.740	2.417
2.111	2.181	2.014	1.613	1.209	.934	.800	.764	2.686
2.411	2.130	1.955	1.559	1.175	.921	.814	.794	2.988
2.744	2.085	1.907	1.508	1.140	.905	.821	.814	3.322
3.240	2.033	1.854	1.455	1.092	.881	.824	.830	3.820
3.650	2.006	1.822	1.419	1.059	.859	.826	.843	4.232
4.094	1.986	1.797	1.386	1.028	.837	.827	.859	4.677
4.570	1.973	1.779	1.359	1.001	.816	.827	.876	5.154
5.078	1.967	1.767	1.337	.977	.798	.826	.890	5.665
5.618	1.966	1.760	1.318	.955	.783	.826	.899	6.207
6.189	1.968	1.757	1.303	.936	.770	.826	.904	6.780
6.791	1.974	1.757	1.290	.919	.758	.828	.908	7.385
7.424	1.982	1.760	1.280	.904	.748	.831	.912	8.020
8.087	1.992	1.764	1.272	.890	.739	.835	.918	8.686
8.780	2.003	1.770	1.266	.878	.730	.839	.926	9.381
9.751	2.018	1.780	1.259	.865	.721	.845	.936	10.355
10.513	2.029	1.787	1.256	.855	.715	.850	.942	11.121
11.305	2.040	1.795	1.254	.847	.709	.854	.947	11.916
12.127	2.050	1.802	1.252	.840	.705	.858	.951	12.741
12.979	2.059	1.809	1.251	.834	.700	.862	.953	13.596
13.861	2.068	1.816	1.251	.829	.696	.8[illegible]	.955	14.482
14.774	2.076	1.823	1.250	.824	.693	.867	.957	15.398
15.718	2.082	1.828	1.250	.820	.690	.869	.958	16.345
16.694	2.088	1.834	1.251	.817	.687	.871	.960	17.325
17.701	2.093	1.838	1.251	.814	.684	.872	.961	18.336
18.741	2.098	1.842	1.252	.812	.682	.874	.963	19.380
20.180	2.103	1.847	1.252	.809	.679	.875	.964	20.825
21.299	2.106	1.850	1.253	.808	.678	.876	.965	21.948
22.454	2.109	1.853	1.253	.807	.676	.877	.966	23.107
23.644	2.111	1.856	1.254	.806	.675	.878	.966	24.301
24.871	2.113	1.858	1.254	.805	.674	.878	.967	25.533
26.137	2.115	1.860	1.255	.805	.674	.879	.967	26.804
27.442	2.116	1.861	1.256	.804	.674	.879	.967	28.114
28.787	2.117	1.862	1.256	.804	.673	.879	.966	29.464
30.175	2.117	1.864	1.257	.804	.673	.880	.966	30.858
31.608	2.118	1.865	1.258	.804	.673	.880	.966	32.296
33.086	2.118	1.865	1.259	.804	.673	.880	.965	33.780

MACH NO = 3.50 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
35.132	2.117	1.866	1.260	.804	.674	.880	.965	35.834
36.726	2.117	1.867	1.261	.804	.674	.881	.965	37.433
38.372	2.117	1.868	1.262	.804	.674	.881	.964	39.086
40.074	2.116	1.868	1.263	.804	.675	.881	.964	40.794
41.833	2.116	1.868	1.264	.805	.675	.882	.964	42.560
43.651	2.115	1.869	1.265	.805	.675	.882	.964	44.385
45.532	2.115	1.869	1.266	.805	.676	.882	.963	46.273
47.477	2.115	1.869	1.267	.805	.677	.883	.963	48.225
49.488	2.114	1.869	1.269	.805	.677	.883	.963	50.244
51.568	2.114	1.868	1.270	.805	.678	.884	.962	52.332
53.719	2.114	1.868	1.272	.805	.678	.884	.962	54.492
56.702	2.114	1.868	1.274	.806	.679	.885	.962	57.486
59.029	2.113	1.867	1.276	.806	.679	.886	.962	59.822
61.435	2.113	1.866	1.278	.806	.680	.886	.962	62.237
63.923	2.113	1.866	1.281	.806	.680	.887	.962	64.735
66.496	2.113	1.865	1.283	.806	.681	.888	.962	67.318
69.157	2.112	1.864	1.286	.805	.681	.888	.962	69.988
71.907	2.112	1.863	1.288	.805	.682	.889	.962	72.749
74.751	2.112	1.863	1.291	.805	.682	.890	.962	75.604
77.691	2.112	1.862	1.293	.805	.683	.890	.961	78.555
80.731	2.111	1.861	1.296	.804	.683	.891	.961	81.606
83.872	2.111	1.861	1.299	.804	.684	.891	.961	84.760
88.227	2.111	1.860	1.302	.803	.684	.892	.961	89.131
91.620	2.112	1.859	1.304	.802	.685	.893	.961	92.538
95.128	2.112	1.859	1.306	.801	.685	.893	.961	96.059
98.753	2.112	1.858	1.308	.800	.686	.894	.961	99.698
102.500	2.112	1.858	1.310	.799	.686	.894	.961	103.458
106.371	2.113	1.858	1.312	.799	.687	.894	.960	107.345
110.373	2.113	1.857	1.314	.798	.687	.895	.960	111.361
114.508	2.113	1.857	1.315	.797	.688	.895	.960	115.512
118.781	2.114	1.857	1.316	.796	.688	.896	.960	119.802
123.197	2.114	1.857	1.317	.795	.689	.896	.960	124.234
127.760	2.115	1.857	1.318	.794	.689	.896	.959	128.816
134.084	2.115	1.857	1.318	.793	.690	.897	.959	135.163
139.012	2.115	1.857	1.319	.793	.690	.897	.959	140.110
144.105	2.116	1.857	1.319	.792	.691	.897	.959	145.223
149.369	2.116	1.857	1.319	.792	.691	.897	.959	150.507
154.810	2.116	1.857	1.319	.791	.692	.898	.959	155.969
160.434	2.116	1.858	1.318	.791	.693	.898	.959	161.614
166.247	2.116	1.858	1.318	.790	.693	.898	.959	167.449
172.256	2.117	1.858	1.317	.790	.694	.898	.958	173.481
178.468	2.117	1.859	1.317	.790	.694	.899	.958	179.717
184.890	2.117	1.859	1.316	.790	.695	.899	.958	186.163
191.529	2.117	1.859	1.315	.790	.695	.899	.958	192.828
200.732	2.117	1.860	1.314	.790	.696	.899	.958	202.066

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.780	6.064	5.637	4.595	3.444	2.550	2.029	1.862	1.349
.876	4.528	4.186	3.361	2.473	1.801	1.416	1.295	1.447
1.005	4.036	3.719	2.965	2.170	1.582	1.252	1.148	1.576
1.223	3.866	3.551	2.806	2.031	1.467	1.158	1.063	1.795
1.424	3.749	3.440	2.714	1.970	1.432	1.136	1.045	1.997
1.738	3.557	3.261	2.564	1.868	1.383	1.125	1.047	2.312
2.013	3.401	3.113	2.439	1.777	1.332	1.111	1.050	2.588
2.435	3.205	2.910	2.256	1.652	1.263	1.097	1.065	3.011
2.787	3.080	2.782	2.135	1.557	1.209	1.078	1.063	3.365
3.305	2.949	2.646	2.002	1.443	1.130	1.048	1.055	3.885
3.728	2.879	2.566	1.916	1.369	1.071	1.022	1.050	4.309
4.335	2.817	2.490	1.824	1.281	.999	.986	1.041	4.919
4.822	2.791	2.452	1.770	1.226	.953	.960	1.030	5.408
5.511	2.780	2.422	1.713	1.163	.901	.929	1.012	6.099
6.056	2.786	2.413	1.681	1.124	.867	.909	.997	6.647
6.821	2.809	2.414	1.650	1.081	.827	.888	.982	7.414
7.423	2.835	2.424	1.633	1.053	.801	.876	.974	8.018
8.264	2.879	2.447	1.618	1.022	.770	.861	.967	8.863
8.926	2.916	2.470	1.612	1.001	.749	.852	.963	9.527
9.852	2.968	2.505	1.609	.978	.724	.843	.959	10.457
10.583	3.008	2.534	1.611	.963	.706	.836	.957	11.190
11.607	3.061	2.576	1.617	.946	.684	.829	.955	12.219
12.401	3.098	2.607	1.623	.935	.668	.824	.955	13.016
13.484	3.143	2.648	1.635	.924	.648	.818	.957	14.102
14.313	3.174	2.676	1.644	.917	.634	.813	.959	14.935
15.442	3.209	2.710	1.658	.911	.617	.807	.962	16.068
16.304	3.233	2.733	1.668	.907	.606	.803	.965	16.934
17.476	3.259	2.760	1.683	.904	.592	.797	.969	18.110
18.371	3.276	2.778	1.693	.903	.583	.793	.971	19.008
19.586	3.294	2.799	1.707	.903	.572	.787	.973	20.228
20.830	3.308	2.818	1.720	.904	.562	.781	.975	21.476
21.782	3.316	2.829	1.729	.905	.556	.777	.976	22.432
23.081	3.324	2.844	1.741	.907	.549	.772	.977	23.736
24.079	3.327	2.853	1.749	.908	.544	.768	.977	24.738
25.446	3.329	2.864	1.760	.911	.539	.764	.977	26.110
26.500	3.330	2.871	1.767	.913	.535	.760	.976	27.168
27.946	3.329	2.878	1.777	.916	.532	.756	.976	28.620
29.064	3.328	2.883	1.783	.918	.529	.753	.975	29.742
30.600	3.328	2.886	1.791	.921	.526	.750	.974	31.285
31.789	3.328	2.888	1.797	.923	.524	.747	.973	32.478
33.425	3.328	2.888	1.805	.926	.522	.745	.973	34.120
34.691	3.328	2.887	1.811	.928	.521	.743	.972	35.391
36.434	3.327	2.885	1.820	.930	.520	.740	.971	37.140
37.784	3.326	2.882	1.827	.933	.519	.739	.970	38.495

MACH NO = 5.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
39.642	3.324	2.878	1.837	.935	.519	.737	.970	40.361
41.082	3.322	2.875	1.845	.937	.518	.736	.969	41.806
43.064	3.319	2.869	1.857	.940	.518	.735	.969	43.796
44.599	3.316	2.865	1.867	.942	.518	.734	.968	45.337
46.713	3.313	2.860	1.879	.944	.518	.734	.968	47.458
48.349	3.311	2.856	1.888	.945	.518	.733	.968	49.101
50.601	3.308	2.850	1.900	.946	.518	.733	.968	51.361
52.344	3.306	2.847	1.908	.947	.518	.733	.968	53.111
54.743	3.304	2.842	1.919	.947	.518	.733	.968	55.519
56.599	3.303	2.838	1.925	.947	.518	.733	.968	57.383
59.154	3.302	2.834	1.933	.947	.518	.733	.968	59.947
61.131	3.301	2.831	1.938	.946	.518	.733	.968	61.931
63.851	3.301	2.828	1.943	.945	.518	.733	.968	64.662
65.956	3.301	2.826	1.946	.945	.518	.734	.968	66.775
68.853	3.301	2.823	1.949	.944	.518	.734	.968	69.683
71.856	3.301	2.821	1.950	.944	.518	.735	.968	72.697
74.180	3.302	2.820	1.950	.944	.518	.735	.968	75.030
77.378	3.303	2.819	1.949	.944	.519	.736	.968	78.240
79.853	3.303	2.819	1.948	.944	.519	.737	.968	80.725
83.259	3.305	2.819	1.946	.945	.520	.738	.968	84.144
85.895	3.306	2.819	1.944	.946	.520	.739	.968	86.791
89.524	3.307	2.819	1.940	.947	.521	.740	.968	90.433
92.333	3.308	2.820	1.937	.948	.522	.741	.969	93.253
96.199	3.310	2.821	1.932	.949	.523	.742	.969	97.133
99.192	3.311	2.823	1.928	.951	.523	.743	.969	100.138
103.312	3.313	2.825	1.923	.952	.524	.744	.969	104.274
106.502	3.314	2.826	1.918	.954	.525	.745	.970	107.476
110.894	3.316	2.829	1.912	.956	.526	.747	.970	111.885
114.296	3.317	2.831	1.907	.958	.526	.748	.970	115.300
118.979	3.319	2.833	1.900	.960	.527	.749	.970	120.001
122.606	3.320	2.835	1.895	.962	.528	.749	.970	123.642
127.601	3.322	2.838	1.887	.964	.528	.750	.970	128.656
131.470	3.323	2.841	1.882	.966	.529	.751	.970	132.540
136.799	3.325	2.844	1.874	.969	.529	.752	.970	137.888
140.926	3.326	2.846	1.868	.971	.530	.752	.970	142.032
146.611	3.328	2.849	1.860	.973	.530	.753	.970	147.739
151.016	3.329	2.851	1.854	.975	.531	.753	.970	152.160
157.083	3.331	2.854	1.846	.978	.531	.754	.970	158.250
161.784	3.332	2.856	1.840	.980	.531	.754	.969	162.969
168.260	3.334	2.859	1.832	.983	.532	.755	.969	169.469
173.278	3.335	2.861	1.826	.985	.532	.755	.969	174.507
180.191	3.336	2.864	1.818	.988	.532	.756	.969	181.447
185.549	3.337	2.865	1.813	.990	.532	.756	.969	186.825
192.932	3.338	2.868	1.805	.992	.532	.757	.968	194.236
200.597	3.339	2.869	1.797	.995	.533	.757	.968	201.931

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.823	18.742	17.280	13.771	10.003	7.173	5.568	5.064	1.393
.964	13.964	12.798	10.038	7.161	5.069	3.911	3.553	1.535
1.230	12.778	11.668	9.072	6.427	4.538	3.511	3.199	1.802
1.567	11.687	10.647	8.242	5.869	4.221	3.339	3.072	2.140
1.889	10.748	9.772	7.528	5.367	3.927	3.202	2.995	2.463
2.356	9.655	8.711	6.629	4.734	3.545	3.019	2.906	2.933
2.893	8.753	7.804	5.824	4.130	3.167	2.835	2.802	3.471
3.492	8.079	7.115	5.189	3.623	2.783	2.626	2.685	4.072
4.141	7.619	6.615	4.689	3.201	2.451	2.404	2.545	4.724
4.689	7.381	6.330	4.382	2.924	2.230	2.241	2.420	5.274
5.400	7.214	6.089	4.085	2.649	2.001	2.069	2.271	5.988
6.130	7.165	5.949	3.868	2.435	1.812	1.926	2.143	6.721
6.873	7.208	5.889	3.711	2.266	1.660	1.806	2.035	7.467
7.623	7.323	5.891	3.599	2.130	1.536	1.702	1.938	8.219
8.226	7.455	5.930	3.536	2.040	1.452	1.631	1.867	8.824
8.980	7.659	6.017	3.483	1.947	1.363	1.554	1.787	9.582
9.735	7.896	6.139	3.453	1.870	1.285	1.488	1.718	10.339
10.488	8.159	6.288	3.443	1.806	1.216	1.433	1.661	11.095
11.089	8.386	6.423	3.447	1.762	1.165	1.393	1.623	11.698
11.838	8.684	6.611	3.464	1.715	1.107	1.350	1.585	12.450
12.584	8.990	6.815	3.493	1.676	1.054	1.311	1.556	13.200
13.330	9.292	7.034	3.534	1.644	1.005	1.276	1.532	13.948
14.075	9.579	7.263	3.584	1.617	.960	1.243	1.513	14.696
14.673	9.793	7.450	3.630	1.600	.926	1.219	1.500	15.296
15.426	10.033	7.685	3.695	1.582	.885	1.189	1.486	16.052
16.189	10.239	7.917	3.766	1.570	.847	1.161	1.473	16.818
16.967	10.404	8.141	3.844	1.562	.811	1.133	1.462	17.599
17.767	10.524	8.353	3.928	1.558	.777	1.105	1.452	18.402
18.428	10.586	8.512	3.999	1.558	.751	1.083	1.444	19.066
19.288	10.618	8.692	4.093	1.561	.721	1.054	1.436	19.929
20.193	10.604	8.846	4.190	1.568	.693	1.025	1.429	20.837
21.152	10.556	8.967	4.291	1.579	.667	.995	1.422	21.800
21.967	10.507	9.032	4.374	1.590	.648	.971	1.416	22.618
23.051	10.449	9.067	4.478	1.606	.627	.940	1.409	23.707
24.220	10.406	9.047	4.584	1.625	.609	.908	1.400	24.880
25.474	10.383	8.979	4.693	1.647	.594	.877	1.390	26.138
26.777	10.378	8.888	4.804	1.671	.582	.847	1.376	27.446
27.853	10.380	8.808	4.894	1.691	.575	.824	1.364	28.527
29.242	10.383	8.707	5.005	1.717	.569	.798	1.346	29.921
30.680	10.383	8.615	5.111	1.744	.565	.773	1.325	31.364
32.166	10.381	8.535	5.204	1.770	.563	.751	1.303	32.856
33.699	10.379	8.469	5.280	1.795	.563	.731	1.280	34.395
34.960	10.377	8.425	5.327	1.813	.564	.716	1.262	35.660
36.580	10.370	8.378	5.368	1.834	.565	.698	1.239	37.287

MACH NO = 10.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

P / P FREE-STREAM AT PLANE ANGLES

L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
38.253	10.357	8.340	5.392	1.852	.567	.683	1.217	38.966
39.980	10.336	8.310	5.401	1.868	.570	.668	1.196	40.700
41.403	10.316	8.290	5.400	1.882	.572	.658	1.179	42.128
43.237	10.289	8.271	5.388	1.899	.575	.646	1.160	43.969
45.135	10.263	8.257	5.367	1.919	.580	.635	1.142	45.874
47.099	10.241	8.249	5.338	1.942	.585	.625	1.124	47.846
49.132	10.223	8.245	5.304	1.967	.592	.616	1.108	49.887
50.811	10.212	8.245	5.274	1.988	.598	.610	1.096	51.572
52.976	10.203	8.249	5.232	2.015	.606	.603	1.082	53.745
55.217	10.199	8.256	5.188	2.042	.615	.598	1.069	55.995
57.537	10.201	8.266	5.141	2.067	.624	.593	1.057	58.324
59.937	10.208	8.279	5.094	2.091	.634	.589	1.046	60.733
61.917	10.218	8.291	5.055	2.108	.642	.586	1.038	62.720
64.466	10.234	8.308	5.007	2.128	.651	.583	1.029	65.280
67.103	10.253	8.328	4.958	2.146	.659	.581	1.020	67.926
69.827	10.274	8.350	4.908	2.162	.668	.579	1.013	70.661
72.073	10.291	8.369	4.869	2.173	.674	.578	1.007	72.915
74.964	10.313	8.395	4.819	2.185	.681	.576	1.000	75.817
77.952	10.336	8.422	4.770	2.194	.687	.574	.994	78.817
81.042	10.358	8.450	4.720	2.201	.692	.573	.988	81.919
84.237	10.378	8.479	4.671	2.207	.697	.572	.982	85.126
86.872	10.393	8.502	4.632	2.209	.700	.571	.978	87.771
90.268	10.411	8.531	4.584	2.211	.703	.569	.973	91.180
93.784	10.426	8.559	4.536	2.212	.705	.568	.968	94.710
97.425	10.439	8.587	4.489	2.211	.707	.567	.964	98.364
101.197	10.451	8.613	4.444	2.209	.708	.565	.959	102.151
104.313	10.458	8.632	4.408	2.207	.709	.564	.956	105.278
108.336	10.466	8.655	4.366	2.203	.709	.563	.952	109.317
112.509	10.473	8.675	4.325	2.199	.709	.562	.948	113.506
116.837	10.477	8.694	4.286	2.194	.709	.561	.944	117.850
120.417	10.480	8.706	4.256	2.190	.708	.560	.941	121.444
125.043	10.483	8.720	4.221	2.184	.708	.560	.938	126.088
129.846	10.484	8.732	4.188	2.179	.707	.559	.935	130.910
134.833	10.484	8.741	4.158	2.173	.707	.559	.932	135.915
140.011	10.483	8.748	4.130	2.167	.706	.559	.929	141.113
144.297	10.482	8.751	4.110	2.163	.705	.559	.927	145.415
149.840	10.480	8.754	4.088	2.157	.705	.559	.925	150.980
155.598	10.477	8.755	4.068	2.152	.704	.559	.924	156.759
161.578	10.473	8.754	4.052	2.146	.703	.560	.922	162.763
167.791	10.469	8.751	4.039	2.141	.702	.560	.921	168.999
172.934	10.465	8.748	4.031	2.137	.701	.560	.920	174.161
179.586	10.459	8.742	4.023	2.132	.700	.561	.919	180.840
186.497	10.453	8.736	4.019	2.127	.700	.561	.919	187.777
193.675	10.446	8.727	4.018	2.122	.699	.562	.918	194.982
201.130	10.439	8.718	4.021	2.118	.698	.562	.918	202.466

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.856	36.847	33.864	26.749	19.201	13.610	10.476	9.500	1.426
1.010	29.670	27.134	21.159	14.988	10.546	8.113	7.365	1.581
1.349	26.696	24.323	18.820	13.297	9.395	7.281	6.639	1.921
1.706	24.081	21.889	16.848	11.960	8.638	6.905	6.391	2.279
2.226	20.976	18.968	14.436	10.259	7.604	6.389	6.101	2.802
2.734	18.807	16.778	12.539	8.891	6.772	5.969	5.850	3.311
3.420	16.828	14.799	10.771	7.509	5.758	5.410	5.517	4.000
4.043	15.698	13.603	9.623	6.567	5.027	4.917	5.194	4.626
4.833	14.850	12.618	8.604	5.679	4.326	4.392	4.773	5.418
5.512	14.474	12.086	7.981	5.120	3.858	4.035	4.455	6.101
6.339	14.328	11.708	7.439	4.606	3.409	3.681	4.134	6.931
7.030	14.403	11.560	7.112	4.271	3.114	3.434	3.903	7.625
7.854	14.667	11.535	6.832	3.954	2.833	3.183	3.654	8.452
8.532	14.992	11.613	6.669	3.744	2.642	3.000	3.469	9.132
9.332	15.478	11.794	6.538	3.539	2.449	2.833	3.277	9.935
9.983	15.957	12.003	6.470	3.399	2.311	2.712	3.143	10.589
10.746	16.620	12.311	6.428	3.258	2.166	2.588	3.013	11.354
11.364	17.241	12.613	6.421	3.160	2.059	2.499	2.926	11.975
12.085	18.046	13.032	6.441	3.059	1.946	2.406	2.841	12.699
12.670	18.742	13.426	6.476	2.988	1.861	2.337	2.782	13.285
13.354	19.577	13.949	6.540	2.916	1.768	2.263	2.723	13.972
13.911	20.247	14.422	6.606	2.866	1.698	2.207	2.680	14.531
14.568	20.996	15.022	6.701	2.816	1.619	2.145	2.634	15.191
15.109	21.557	15.541	6.791	2.781	1.558	2.097	2.600	15.733
15.754	22.138	16.178	6.910	2.747	1.489	2.042	2.564	16.381
16.292	22.534	16.710	7.020	2.725	1.434	1.999	2.537	16.921
16.944	22.889	17.340	7.163	2.705	1.371	1.948	2.509	17.576
17.497	23.078	17.846	7.293	2.693	1.320	1.906	2.488	18.131
18.178	23.171	18.419	7.464	2.684	1.262	1.857	2.466	18.814
18.765	23.139	18.856	7.619	2.682	1.214	1.815	2.451	19.404
19.503	22.990	19.312	7.823	2.684	1.159	1.765	2.436	20.145
20.152	22.799	19.614	8.010	2.691	1.115	1.721	2.425	20.796
20.981	22.528	19.850	8.255	2.705	1.064	1.667	2.415	21.628
21.722	22.299	19.915	8.479	2.722	1.023	1.619	2.408	22.372
22.673	22.067	19.824	8.771	2.748	.979	1.559	2.399	23.327
23.515	21.946	19.620	9.034	2.774	.946	1.508	2.389	24.172
24.599	21.903	19.248	9.373	2.811	.911	1.444	2.374	25.260
25.578	21.941	18.862	9.678	2.846	.886	1.389	2.355	26.243
26.863	22.030	18.374	10.061	2.895	.862	1.321	2.324	27.533
28.037	22.106	18.007	10.375	2.941	.848	1.263	2.288	28.712
29.543	22.182	17.667	10.695	2.998	.837	1.197	2.234	30.223
30.840	22.235	17.478	10.881	3.042	.832	1.146	2.183	31.525
32.436	22.282	17.337	11.000	3.089	.830	1.092	2.117	33.127
33.801	22.295	17.265	11.031	3.126	.831	1.051	2.060	34.497

MACH NO = 15.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
35.485	22.260	17.211	11.010	3.170	.833	1.008	1.993	36.188
36.933	22.185	17.181	10.957	3.210	.837	.975	1.938	37.641
38.729	22.060	17.164	10.864	3.265	.843	.941	1.875	39.444
40.278	21.953	17.165	10.768	3.318	.851	.915	1.826	40.999
42.206	21.839	17.185	10.637	3.393	.863	.889	1.771	42.935
43.873	21.762	17.213	10.519	3.463	.876	.869	1.728	44.608
45.949	21.693	17.252	10.372	3.550	.894	.849	1.681	46.691
47.744	21.657	17.285	10.250	3.621	.910	.835	1.645	48.493
49.977	21.644	17.321	10.106	3.699	.931	.820	1.606	50.735
51.905	21.657	17.348	9.988	3.756	.948	.810	1.577	52.670
54.298	21.698	17.382	9.849	3.817	.967	.799	1.544	55.073
56.359	21.747	17.413	9.735	3.859	.982	.792	1.518	57.142
58.914	21.815	17.455	9.601	3.901	.999	.783	1.490	59.707
61.112	21.874	17.494	9.491	3.928	1.013	.777	1.468	61.913
63.833	21.944	17.545	9.362	3.951	1.028	.770	1.443	64.644
66.173	22.001	17.592	9.256	3.964	1.039	.764	1.423	66.993
69.070	22.062	17.655	9.130	3.972	1.052	.758	1.400	69.901
71.564	22.106	17.714	9.026	3.973	1.063	.753	1.382	72.404
74.656	22.151	17.790	8.903	3.969	1.074	.748	1.362	75.508
77.320	22.182	17.859	8.801	3.961	1.082	.744	1.346	78.182
80.628	22.215	17.943	8.680	3.947	1.090	.739	1.327	81.503
83.483	22.239	18.014	8.579	3.932	1.096	.735	1.313	84.369
87.034	22.265	18.097	8.461	3.910	1.101	.730	1.296	87.933
90.101	22.284	18.163	8.364	3.889	1.103	.725	1.283	91.013
93.920	22.305	18.237	8.252	3.862	1.105	.720	1.267	94.846
97.223	22.321	18.294	8.162	3.837	1.105	.716	1.255	98.161
101.337	22.338	18.354	8.059	3.806	1.104	.711	1.240	102.291
104.896	22.350	18.397	7.979	3.779	1.103	.706	1.228	105.864
109.333	22.362	18.441	7.889	3.747	1.101	.701	1.214	110.318
113.173	22.369	18.470	7.820	3.721	1.100	.697	1.202	114.173
117.961	22.374	18.498	7.745	3.689	1.098	.692	1.189	118.978
122.106	22.376	18.515	7.689	3.664	1.095	.689	1.178	123.140
127.275	22.374	18.529	7.629	3.634	1.092	.685	1.165	128.329
131.752	22.370	18.535	7.587	3.611	1.089	.681	1.155	132.823
137.336	22.363	18.537	7.546	3.584	1.084	.678	1.143	138.428
142.173	22.355	18.534	7.519	3.564	1.079	.675	1.134	143.283
148.206	22.343	18.525	7.496	3.540	1.073	.672	1.124	149.339
153.432	22.331	18.514	7.485	3.523	1.068	.670	1.116	154.586
159.952	22.315	18.496	7.482	3.503	1.062	.667	1.107	161.130
165.599	22.300	18.477	7.488	3.488	1.057	.665	1.101	165.799
172.643	22.282	18.450	7.505	3.472	1.052	.663	1.093	173.870
178.743	22.266	18.425	7.527	3.460	1.047	.661	1.088	179.993
186.350	22.246	18.391	7.564	3.447	1.042	.659	1.082	187.629
192.936	22.229	18.360	7.603	3.438	1.038	.658	1.078	194.240
201.145	22.208	18.321	7.659	3.428	1.033	.656	1.073	202.481

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	90.656	73.042	53.754	38.976	30.488	27.797	1.297
.857	64.720	59.452	46.894	33.594	23.762	18.262	16.550	1.427
1.059	51.081	46.650	36.248	25.572	17.935	13.780	12.509	1.630
1.411	45.873	41.754	32.241	22.770	16.125	12.537	11.447	1.983
1.860	40.189	36.474	27.968	19.830	14.417	11.688	10.907	2.434
2.407	34.927	31.350	23.685	16.840	12.614	10.770	10.384	2.984
3.045	30.720	27.225	20.093	14.120	10.815	9.834	9.804	3.624
3.756	27.763	24.196	17.308	11.928	9.135	8.795	9.159	4.338
4.390	26.125	22.406	15.563	10.452	7.996	7.965	8.543	4.974
5.180	24.937	20.948	14.005	9.097	6.901	7.132	7.826	5.767
5.985	24.404	20.054	12.897	8.093	6.041	6.463	7.221	6.575
6.792	24.364	19.575	12.109	7.330	5.375	5.912	6.711	7.385
7.591	24.682	19.407	11.551	6.742	4.861	5.453	6.261	8.187
8.376	25.245	19.466	11.161	6.285	4.454	5.075	5.860	8.975
9.140	25.987	19.689	10.896	5.921	4.120	4.766	5.517	9.743
9.760	26.732	19.967	10.746	5.672	3.882	4.550	5.278	10.365
10.480	27.791	20.392	10.633	5.422	3.634	4.331	5.042	11.087
11.172	29.025	20.915	10.580	5.213	3.420	4.147	4.853	11.782
11.838	30.398	21.540	10.576	5.038	3.234	3.989	4.701	12.450
12.477	31.857	22.270	10.612	4.891	3.070	3.851	4.575	13.092
13.092	33.343	23.098	10.683	4.767	2.924	3.729	4.469	13.709
13.687	34.799	24.013	10.781	4.664	2.792	3.620	4.377	14.306
14.263	36.175	25.002	10.902	4.577	2.671	3.521	4.296	14.885
14.733	37.233	25.870	11.018	4.515	2.577	3.444	4.236	15.357
15.287	38.364	26.953	11.173	4.453	2.472	3.359	4.171	15.913
15.835	39.318	28.062	11.344	4.402	2.372	3.278	4.114	16.463
16.381	40.070	29.182	11.533	4.360	2.277	3.201	4.062	17.011
16.930	40.599	30.292	11.738	4.326	2.186	3.128	4.017	17.561
17.485	40.892	31.374	11.962	4.300	2.098	3.056	3.978	18.119
18.054	40.949	32.406	12.208	4.281	2.012	2.985	3.944	18.690
18.643	40.827	33.208	12.432	4.271	1.942	2.926	3.920	19.181
19.152	40.504	34.067	12.729	4.265	1.859	2.854	3.896	19.793
19.795	40.027	34.765	13.060	4.267	1.777	2.780	3.876	20.437
20.478	39.447	35.239	13.432	4.276	1.697	2.702	3.860	21.124
21.213	38.836	35.429	13.853	4.294	1.619	2.620	3.847	21.861
21.998	38.302	35.301	14.326	4.321	1.545	2.533	3.836	22.649
22.828	37.956	34.858	14.851	4.357	1.477	2.442	3.823	23.483
23.717	37.840	34.125	15.438	4.402	1.416	2.347	3.805	24.375
24.514	37.910	33.343	15.978	4.447	1.371	2.263	3.784	25.175
25.552	38.133	32.321	16.685	4.511	1.324	2.157	3.748	26.217
26.699	38.411	31.353	17.421	4.587	1.286	2.046	3.696	27.368
27.965	38.654	30.555	18.107	4.671	1.258	1.932	3.624	28.639
29.323	38.835	30.009	18.618	4.751	1.241	1.822	3.534	30.003
30.773	38.983	29.703	18.889	4.821	1.232	1.720	3.428	31.457
32.275	39.100	29.578	18.951	4.884	1.228	1.629	3.314	32.966

MACH NO = 20.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.556	39.106	29.544	18.891	4.935	1.228	1.561	3.217	34.251
35.135	38.946	29.534	18.733	5.002	1.231	1.490	3.102	35.837
36.769	38.654	29.546	18.511	5.084	1.239	1.428	2.990	37.477
38.465	38.348	29.593	18.247	5.190	1.251	1.374	2.883	39.180
40.229	38.085	29.680	17.953	5.324	1.270	1.327	2.783	40.950
42.064	37.876	29.792	17.647	5.482	1.295	1.287	2.690	42.792
43.977	37.726	29.905	17.349	5.648	1.325	1.253	2.605	44.712
45.631	37.651	29.984	17.113	5.780	1.353	1.230	2.540	46.372
47.688	37.628	30.055	16.846	5.921	1.386	1.205	2.467	48.437
49.823	37.683	30.106	16.590	6.042	1.418	1.185	2.402	50.581
52.036	37.796	30.154	16.339	6.140	1.448	1.167	2.341	52.802
54.324	37.935	30.208	16.094	6.215	1.474	1.151	2.286	55.099
56.689	38.079	30.267	15.854	6.268	1.497	1.136	2.234	57.472
59.130	38.223	30.332	15.622	6.302	1.517	1.123	2.185	59.923
61.649	38.356	30.405	15.398	6.321	1.536	1.110	2.139	62.451
63.810	38.453	30.476	15.216	6.326	1.551	1.100	2.103	64.621
66.482	38.545	30.578	15.003	6.321	1.568	1.089	2.061	67.303
69.245	38.610	30.701	14.797	6.304	1.583	1.078	2.022	70.077
72.105	38.657	30.840	14.594	6.276	1.598	1.068	1.985	72.948
75.069	38.696	30.992	14.393	6.239	1.611	1.058	1.950	75.923
78.144	38.731	31.148	14.192	6.194	1.621	1.049	1.917	79.010
81.336	38.766	31.305	13.992	6.141	1.629	1.040	1.886	82.214
84.092	38.795	31.434	13.827	6.092	1.632	1.033	1.862	84.980
87.518	38.832	31.582	13.633	6.028	1.633	1.023	1.833	88.420
91.082	38.871	31.718	13.444	5.961	1.632	1.014	1.805	91.997
94.788	38.911	31.839	13.265	5.892	1.628	1.004	1.778	95.718
98.645	38.948	31.942	13.095	5.823	1.623	.994	1.752	99.589
102.658	38.980	32.028	12.939	5.753	1.619	.983	1.725	103.618
106.835	39.004	32.097	12.796	5.685	1.614	.973	1.699	107.810
111.183	39.020	32.151	12.668	5.618	1.609	.963	1.673	112.175
114.942	39.027	32.185	12.574	5.564	1.604	.955	1.651	115.948
119.623	39.028	32.213	12.476	5.503	1.597	.946	1.626	120.647
124.498	39.021	32.229	12.396	5.446	1.587	.937	1.602	125.541
129.575	39.007	32.233	12.332	5.393	1.574	.928	1.578	130.637
134.864	38.987	32.227	12.287	5.344	1.559	.920	1.555	135.947
140.374	38.963	32.211	12.260	5.300	1.543	.911	1.533	141.478
146.114	38.936	32.186	12.253	5.261	1.527	.903	1.512	147.240
151.081	38.911	32.157	12.262	5.233	1.514	.896	1.495	152.225
157.268	38.880	32.114	12.291	5.202	1.501	.889	1.477	158.436
163.713	38.847	32.062	12.340	5.177	1.488	.882	1.459	164.906
170.426	38.813	32.002	12.410	5.157	1.476	.875	1.443	171.644
177.415	38.778	31.934	12.500	5.141	1.464	.869	1.428	178.659
184.690	38.742	31.859	12.610	5.129	1.451	.864	1.414	185.962
192.261	38.706	31.779	12.739	5.121	1.439	.859	1.402	193.563
200.138	38.670	31.692	12.888	5.116	1.427	.854	1.391	201.469

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.730	152.229	140.865	113.431	83.400	60.421	47.223	43.052	1.297
.889	89.901	82.397	64.593	45.909	32.236	24.651	22.300	1.460
1.110	77.959	71.127	55.131	38.799	27.160	20.850	18.929	1.682
1.477	69.732	63.423	48.900	34.550	24.555	19.184	17.558	2.049
1.940	60.810	55.136	42.193	29.893	21.801	17.804	16.689	2.515
2.501	52.817	47.268	35.565	25.266	19.024	16.384	15.867	3.077
3.148	46.526	41.119	30.205	21.167	16.215	14.892	14.941	3.727
3.865	42.158	36.622	26.044	17.868	13.684	13.265	13.900	4.447
4.628	39.387	33.543	23.006	15.288	11.682	11.778	12.739	5.213
5.417	37.841	31.542	20.815	13.378	10.108	10.575	11.675	6.005
6.215	37.223	30.333	19.252	11.949	8.878	9.601	10.790	6.806
7.009	37.298	29.709	18.134	10.857	7.929	8.792	10.031	7.603
7.792	37.862	29.518	17.340	10.015	7.194	8.121	9.354	8.389
8.681	38.928	29.684	16.707	9.259	6.519	7.488	8.606	9.282
9.418	40.119	30.055	16.347	8.750	6.047	7.051	8.177	10.122
10.129	41.581	30.581	16.110	8.333	5.647	6.690	7.778	10.735
10.811	43.329	31.252	15.970	7.987	5.304	6.387	7.457	11.419
11.463	45.331	32.073	15.908	7.697	5.007	6.129	7.198	12.074
12.087	47.521	33.052	15.912	7.453	4.748	5.907	6.985	12.701
12.684	49.813	34.187	15.970	7.247	4.519	5.712	6.806	13.300
13.257	52.120	35.466	16.073	7.073	4.315	5.539	6.653	13.875
13.809	54.364	36.872	16.211	6.926	4.130	5.383	6.519	14.429
14.343	56.479	38.384	16.380	6.802	3.960	5.242	6.401	14.965
14.863	58.406	39.983	16.575	6.698	3.803	5.112	6.295	15.487
15.372	60.099	41.646	16.792	6.610	3.656	4.991	6.201	15.998
15.875	61.518	43.352	17.030	6.537	3.516	4.877	6.117	16.502
16.457	62.781	45.364	17.335	6.465	3.362	4.752	6.030	17.087
16.957	63.498	47.083	17.620	6.416	3.235	4.649	5.966	17.589
17.462	63.865	48.767	17.930	6.375	3.111	4.549	5.909	18.095
17.978	63.888	50.388	18.269	6.343	2.990	4.450	5.859	18.614
18.510	63.590	51.905	18.643	6.319	2.871	4.351	5.817	19.148
19.064	63.007	53.259	19.057	6.304	2.753	4.251	5.782	19.704
19.646	62.185	54.374	19.520	6.298	2.636	4.147	5.753	20.289
20.264	61.193	55.161	20.044	6.302	2.519	4.040	5.729	20.909
20.926	60.135	55.528	20.640	6.317	2.404	3.925	5.710	21.573
21.633	59.186	55.408	21.320	6.345	2.294	3.804	5.693	22.283
22.376	58.527	54.784	22.083	6.385	2.190	3.678	5.676	23.029
23.167	58.235	53.666	22.944	6.438	2.095	3.544	5.655	23.823
24.019	58.318	52.151	23.921	6.506	2.009	3.402	5.626	24.678
25.108	58.778	50.154	25.209	6.607	1.922	3.224	5.573	25.771
26.143	59.315	48.512	26.400	6.713	1.861	3.061	5.506	26.811
27.291	59.804	47.113	27.554	6.832	1.814	2.892	5.411	27.963
28.532	60.162	46.117	28.470	6.948	1.782	2.725	5.290	29.208
29.853	60.442	45.552	29.001	7.048	1.762	2.567	5.144	30.534
31.260	60.705	45.331	29.160	7.133	1.751	2.421	4.980	31.947

MACH NO = 25.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
32.725	60.824	45.311	29.046	7.213	1.747	2.290	4.807	33.417
34.229	60.588	45.363	28.758	7.297	1.748	2.177	4.632	34.927
35.783	60.064	45.434	28.363	7.402	1.755	2.079	4.461	36.487
37.395	59.501	45.547	27.897	7.546	1.770	1.993	4.295	38.105
39.071	59.022	45.719	27.381	7.743	1.794	1.919	4.138	39.787
40.815	58.637	45.939	26.850	7.989	1.828	1.856	3.990	41.538
42.944	58.321	46.195	26.265	8.302	1.880	1.795	3.831	43.675
44.851	58.172	46.363	25.814	8.556	1.931	1.751	3.706	45.590
46.834	58.161	46.468	25.398	8.775	1.982	1.715	3.592	47.580
48.891	58.295	46.533	24.997	8.955	2.029	1.683	3.487	49.645
51.020	58.517	46.593	24.602	9.095	2.071	1.656	3.390	51.782
53.219	58.764	46.661	24.214	9.192	2.106	1.632	3.301	53.990
55.488	59.011	46.735	23.838	9.255	2.136	1.609	3.218	56.267
57.827	59.250	46.815	23.474	9.292	2.162	1.588	3.140	58.615
60.237	59.465	46.908	23.124	9.306	2.186	1.567	3.066	61.034
62.722	59.637	47.028	22.789	9.298	2.208	1.548	2.997	63.528
65.286	59.753	47.184	22.468	9.271	2.229	1.530	2.932	66.103
67.937	59.821	47.378	22.159	9.228	2.250	1.513	2.870	68.764
70.680	59.865	47.599	21.858	9.168	2.269	1.497	2.812	71.517
74.005	59.909	47.879	21.511	9.080	2.288	1.480	2.750	74.855
76.971	59.947	48.129	21.214	8.990	2.300	1.466	2.699	77.832
80.049	59.988	48.380	20.917	8.887	2.307	1.452	2.652	80.922
83.247	60.038	48.628	20.622	8.776	2.308	1.438	2.607	84.132
86.570	60.100	48.862	20.331	8.661	2.304	1.423	2.563	87.468
90.025	60.171	49.074	20.049	8.543	2.296	1.407	2.521	90.936
93.616	60.244	49.259	19.779	8.423	2.286	1.391	2.479	94.541
97.351	60.310	49.416	19.526	8.304	2.275	1.375	2.438	98.290
101.234	60.364	49.545	19.295	8.187	2.265	1.358	2.397	102.188
105.272	60.405	49.649	19.087	8.072	2.256	1.341	2.355	106.242
109.473	60.431	49.728	18.904	7.962	2.247	1.325	2.314	110.458
113.843	60.442	49.785	18.748	7.858	2.235	1.309	2.274	114.845
118.389	60.438	49.821	18.618	7.761	2.219	1.293	2.234	119.409
123.929	60.416	49.840	18.501	7.657	2.193	1.276	2.188	124.969
128.888	60.386	49.838	18.431	7.577	2.165	1.260	2.150	129.947
134.050	60.349	49.820	18.390	7.505	2.134	1.245	2.114	135.129
139.425	60.306	49.786	18.379	7.442	2.103	1.230	2.078	140.524
145.021	60.260	49.736	18.399	7.388	2.075	1.215	2.044	146.142
150.846	60.210	49.670	18.450	7.343	2.051	1.201	2.011	151.990
156.911	60.159	49.590	18.534	7.306	2.029	1.187	1.980	158.077
163.223	60.107	49.495	18.651	7.279	2.007	1.175	1.951	164.413
169.790	60.053	49.387	18.800	7.260	1.984	1.164	1.924	171.006
176.622	59.999	49.267	18.983	7.248	1.961	1.153	1.899	177.864
183.728	59.943	49.135	19.197	7.244	1.938	1.143	1.876	184.997
191.115	59.886	48.993	19.442	7.246	1.916	1.134	1.855	192.412
200.101	59.819	48.818	19.766	7.255	1.894	1.124	1.833	201.432

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.890	129.065	118.276	92.686	65.842	46.210	35.321	31.949	1.460
1.110	111.896	102.078	79.097	55.640	38.929	29.874	27.118	1.681
1.475	100.024	90.965	70.113	49.518	35.177	27.473	25.138	2.048
1.938	87.163	79.022	60.454	42.815	31.213	25.479	23.879	2.512
2.599	73.928	66.021	49.471	35.091	26.553	23.086	22.466	3.176
3.257	65.316	57.564	42.077	29.406	22.527	20.897	21.113	3.936
3.980	59.406	51.436	36.367	24.830	19.016	18.562	19.572	4.562
4.745	55.698	47.261	32.209	21.292	16.256	16.490	17.904	5.330
5.532	53.671	44.558	29.213	18.677	14.085	14.824	16.417	6.120
6.456	52.890	42.749	26.779	16.434	12.149	13.265	14.993	7.048
7.242	53.207	42.037	25.326	14.993	10.900	12.172	13.944	7.836
8.012	54.134	41.883	24.293	13.877	9.925	11.267	13.006	8.609
8.761	55.474	42.125	23.565	12.999	9.138	10.526	12.191	9.361
9.485	57.172	42.638	23.062	12.291	8.483	9.917	11.508	10.088
10.294	59.655	43.501	22.684	11.624	7.843	9.338	10.871	10.900
10.955	62.227	44.460	22.500	11.154	7.378	8.927	10.439	11.564
11.586	65.150	45.635	22.421	10.760	6.976	8.576	10.088	12.197
12.188	68.320	47.035	22.429	10.426	6.624	8.272	9.797	12.802
12.856	72.172	48.941	22.528	10.102	6.266	7.964	9.513	13.473
13.404	75.473	50.788	22.675	9.871	5.992	7.731	9.305	14.022
13.930	78.655	52.806	22.868	9.675	5.744	7.521	9.123	14.550
14.439	81.640	54.969	23.098	9.510	5.516	7.329	8.961	15.061
14.934	84.350	57.248	23.362	9.370	5.305	7.153	8.816	15.558
15.498	87.081	60.017	23.705	9.232	5.074	6.963	8.666	16.125
15.975	88.991	62.452	24.030	9.133	4.888	6.811	8.552	16.603
16.448	90.457	64.913	24.382	9.049	4.709	6.666	8.450	17.078
16.921	91.449	67.371	24.762	8.978	4.537	6.526	8.360	17.553
17.398	91.956	69.795	25.173	8.919	4.369	6.391	8.281	18.032
17.967	91.948	72.524	25.700	8.863	4.178	6.235	8.201	18.603
18.470	91.459	74.715	26.199	8.825	4.016	6.102	8.143	19.108
18.992	90.569	76.686	26.753	8.799	3.855	5.967	8.094	19.632
19.541	89.332	78.332	27.373	8.783	3.695	5.829	8.053	20.183
20.222	87.573	79.676	28.199	8.781	3.508	5.659	8.014	20.866
20.850	85.977	80.190	29.019	8.795	3.349	5.504	7.988	21.497
21.519	84.548	80.004	29.956	8.826	3.195	5.340	7.964	22.168
22.221	83.557	79.080	31.014	8.873	3.051	5.169	7.941	22.873
22.966	83.104	77.426	32.216	8.939	2.916	4.988	7.914	23.621
23.906	83.270	74.767	33.838	9.042	2.774	4.760	7.869	24.565
24.787	83.893	72.202	35.428	9.158	2.667	4.551	7.811	25.449
25.755	84.747	69.711	37.160	9.300	2.576	4.328	7.727	26.420
26.826	85.570	67.536	38.894	9.462	2.504	4.094	7.609	27.495
27.996	86.178	65.906	40.354	9.625	2.453	3.857	7.453	28.670
29.456	86.698	64.843	41.378	9.787	2.415	3.595	7.230	30.135
30.788	87.137	64.525	41.648	9.897	2.396	3.388	7.009	31.473

MACH NO = 30.00 CONE ANGLE = 5.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
32.196	87.396	64.532	41.489	9.997	2.386	3.200	6.770	32.887
33.657	87.115	64.668	41.052	10.100	2.383	3.034	6.525	34.352
35.423	86.160	64.859	40.332	10.253	2.391	2.868	6.243	36.123
36.992	85.278	65.064	39.603	10.446	2.409	2.746	6.008	37.791
39.627	84.542	65.356	38.800	10.722	2.440	2.640	5.783	39.342
41.329	83.954	65.716	37.985	11.077	2.488	2.550	5.570	41.050
42.104	83.526	66.075	37.231	11.473	2.550	2.473	5.370	42.832
44.270	83.245	66.389	36.460	11.913	2.633	2.400	5.156	45.006
46.207	83.241	66.538	35.861	12.231	2.705	2.347	4.988	46.950
48.215	83.467	66.616	35.282	12.486	2.771	2.303	4.833	48.966
50.292	83.824	66.685	34.710	12.675	2.829	2.264	4.691	51.051
52.436	84.208	66.766	34.148	12.800	2.876	2.228	4.560	53.204
55.023	84.643	66.870	33.513	12.884	2.921	2.190	4.418	55.799
57.309	84.998	66.967	32.988	12.921	2.953	2.159	4.305	58.095
59.665	85.309	67.086	32.486	12.924	2.982	2.129	4.198	60.463
62.092	85.538	67.252	32.007	12.896	3.010	2.101	4.097	62.897
65.022	85.690	67.519	31.480	12.833	3.041	2.071	3.988	65.838
67.625	85.750	67.808	31.050	12.752	3.068	2.047	3.900	68.450
70.318	85.787	68.136	30.634	12.647	3.093	2.025	3.819	71.154
73.108	85.822	68.485	30.223	12.520	3.113	2.003	3.742	73.954
76.001	85.861	68.847	29.812	12.372	3.127	1.983	3.671	76.859
79.516	85.920	69.277	29.331	12.179	3.134	1.960	3.592	80.387
82.656	85.994	69.638	28.920	12.004	3.130	1.940	3.529	83.539
85.918	86.091	69.976	28.513	11.826	3.119	1.918	3.468	86.814
89.308	86.204	70.280	28.116	11.645	3.102	1.896	3.408	90.216
92.831	86.318	70.543	27.737	11.464	3.083	1.872	3.349	93.753
97.117	86.434	70.799	27.328	11.254	3.061	1.843	3.280	98. 55
101.947	86.514	70.976	27.012	11.079	3.045	1.818	3.221	101.900
104.920	86.572	71.117	26.733	10.911	3.030	1.794	3.162	105.897
109.069	86.606	71.222	26.492	10.751	3.014	1.770	3.103	110.053
114.109	86.615	71.304	26.259	10.577	2.988	1.742	3.035	115.112
118.617	86.597	71.345	26.102	10.441	2.957	1.719	2.977	119.637
123.317	86.562	71.360	25.985	10.317	2.916	1.696	2.921	124.345
128.187	86.513	71.351	25.909	10.206	2.868	1.672	2.866	129.244
133.267	86.455	71.318	25.875	10.109	2.818	1.648	2.812	134.343
138.455	86.379	71.249	25.892	10.012	2.764	1.621	2.751	140.555
144.993	86.308	71.165	25.955	9.944	2.724	1.598	2.701	146.114
150.757	86.235	71.058	26.064	9.891	2.690	1.577	2.653	151.900
156.754	86.161	70.929	26.222	9.851	2.656	1.557	2.607	157.920
162.992	86.085	70.779	26.427	9.825	2.620	1.538	2.565	164.182
171.587	85.995	70.579	26.728	9.810	2.575	1.518	2.519	171.805
177.376	85.916	70.388	27.038	9.810	2.537	1.502	2.482	178.621
184.432	85.834	70.181	27.394	9.820	2.503	1.487	2.449	185.704
191.763	85.751	69.961	27.795	9.840	2.474	1.473	2.418	193.063
200.675	85.652	69.690	28.318	9.877	2.443	1.458	2.385	202.008

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.754	3.635	3.403	2.829	2.182	1.665	1.355	1.255	1.323
.816	3.076	2.870	2.365	1.804	1.363	1.102	1.018	1.386
.929	2.423	2.252	1.826	1.365	1.015	.813	.749	1.500
1.061	2.467	2.285	1.846	1.374	1.020	.819	.756	1.633
1.216	2.461	2.277	1.836	1.367	1.015	.816	.754	1.788
1.460	2.434	2.249	1.810	1.350	1.012	.822	.763	2.033
1.674	2.394	2.212	1.778	1.330	1.007	.830	.776	2.248
1.916	2.344	2.164	1.738	1.303	.996	.837	.791	2.492
2.188	2.286	2.109	1.689	1.270	.983	.848	.815	2.765
2.490	2.241	2.054	1.634	1.235	.968	.856	.835	3.069
2.940	2.188	2.000	1.577	1.187	.946	.859	.851	3.522
3.313	2.158	1.966	1.542	1.153	.926	.861	.861	3.897
3.716	2.138	1.941	1.509	1.123	.904	.861	.873	4.302
4.148	2.125	1.923	1.482	1.096	.883	.860	.887	4.736
4.609	2.119	1.911	1.460	1.072	.864	.857	.899	5.200
5.268	2.120	1.904	1.437	1.044	.843	.853	.908	5.863
5.794	2.125	1.903	1.425	1.026	.831	.851	.912	6.392
6.348	2.134	1.906	1.415	1.011	.820	.851	.914	6.948
6.927	2.145	1.911	1.407	.997	.809	.852	.917	7.531
7.532	2.157	1.918	1.402	.986	.800	.855	.923	8.139
8.379	2.174	1.929	1.397	.973	.789	.859	.932	8.990
9.042	2.188	1.938	1.395	.964	.782	.862	.940	9.658
9.731	2.201	1.948	1.394	.957	.776	.865	.947	10.350
10.444	2.213	1.957	1.393	.950	.771	.869	.952	11.067
11.182	2.224	1.966	1.394	.944	.766	.872	.957	11.810
11.945	2.235	1.975	1.395	.939	.762	.874	.960	12.577
13.002	2.247	1.986	1.397	.933	.757	.877	.964	13.639
13.824	2.256	1.994	1.398	.930	.753	.879	.966	14.466
14.672	2.263	2.000	1.400	.927	.750	.881	.968	15.319
15.547	2.269	2.007	1.402	.925	.747	.883	.971	16.198
16.449	2.275	2.012	1.404	.923	.744	.884	.973	17.105
17.695	2.281	2.019	1.407	.921	.741	.886	.976	18.358
18.662	2.286	2.023	1.409	.920	.739	.887	.978	19.331
19.659	2.289	2.027	1.410	.919	.738	.888	.979	20.333
20.686	2.292	2.030	1.412	.919	.736	.888	.981	21.366
21.744	2.294	2.033	1.414	.918	.735	.889	.982	22.430
23.206	2.297	2.037	1.417	.918	.734	.890	.983	23.900
24.342	2.298	2.039	1.419	.918	.734	.890	.983	25.042
25.514	2.299	2.041	1.421	.918	.733	.891	.984	26.220
26.723	2.300	2.043	1.422	.918	.733	.891	.984	27.435
27.970	2.300	2.044	1.424	.918	.733	.891	.984	28.690
29.697	2.300	2.046	1.427	.919	.733	.891	.984	30.427
31.043	2.300	2.046	1.429	.919	.733	.892	.984	31.779
32.433	2.300	2.047	1.431	.919	.733	.892	.984	33.177

MACH NO = 3.50 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
33.869	2.300	2.048	1.433	.919	.733	.892	.983	34.621
35.354	2.299	2.048	1.435	.919	.733	.892	.983	36.115
36.889	2.299	2.048	1.437	.920	.734	.892	.983	37.658
39.018	2.299	2.048	1.439	.920	.734	.893	.983	39.799
40.678	2.299	2.048	1.442	.920	.734	.893	.982	41.468
42.394	2.298	2.048	1.444	.920	.735	.893	.982	43.194
44.169	2.298	2.048	1.446	.920	.735	.894	.982	44.978
46.005	2.298	2.047	1.448	.920	.736	.894	.981	46.824
48.550	2.297	2.046	1.452	.920	.736	.895	.981	49.383
50.535	2.297	2.046	1.454	.920	.737	.895	.981	51.379
52.588	2.297	2.045	1.457	.920	.737	.895	.981	53.443
54.710	2.296	2.044	1.460	.920	.738	.896	.981	55.577
56.905	2.296	2.044	1.462	.919	.738	.896	.981	57.784
59.948	2.296	2.043	1.465	.919	.739	.897	.981	60.844
62.321	2.295	2.042	1.468	.919	.739	.897	.980	63.230
64.774	2.295	2.042	1.470	.918	.739	.898	.980	65.697
67.310	2.295	2.041	1.472	.918	.740	.898	.980	68.247
69.933	2.295	2.040	1.474	.917	.740	.899	.981	70.883
73.567	2.295	2.040	1.476	.916	.741	.900	.980	74.538
76.401	2.296	2.039	1.478	.916	.741	.900	.980	77.387
79.330	2.296	2.039	1.479	.915	.741	.901	.980	80.332
82.358	2.296	2.039	1.480	.915	.742	.901	.980	83.377
85.488	2.297	2.038	1.481	.915	.742	.902	.980	86.524
88.723	2.297	2.038	1.481	.914	.743	.902	.980	89.778
93.208	2.298	2.038	1.482	.914	.743	.903	.980	94.287
96.704	2.298	2.038	1.482	.914	.744	.903	.980	97.803
100.319	2.298	2.038	1.482	.914	.744	.904	.980	101.437
104.055	2.299	2.038	1.481	.914	.745	.904	.980	105.194
107.918	2.299	2.038	1.481	.914	.745	.904	.980	109.078
113.272	2.300	2.038	1.480	.914	.746	.905	.980	114.462
117.447	2.300	2.038	1.480	.914	.746	.905	.980	118.660
121.764	2.300	2.038	1.479	.915	.747	.905	.980	123.000
126.226	2.301	2.038	1.478	.915	.747	.906	.980	127.487
130.841	2.301	2.038	1.477	.916	.748	.906	.980	132.127
137.238	2.301	2.039	1.475	.916	.748	.906	.980	138.560
142.227	2.301	2.039	1.474	.917	.748	.907	.980	143.576
147.386	2.302	2.039	1.473	.918	.749	.907	.980	148.764
152.721	2.302	2.039	1.471	.918	.749	.907	.980	154.128
158.239	2.302	2.040	1.470	.919	.749	.907	.979	159.676
165.890	2.302	2.040	1.468	.920	.750	.907	.979	167.369
171.857	2.302	2.041	1.466	.921	.750	.907	.979	173.370
178.030	2.302	2.041	1.465	.922	.750	.908	.979	179.576
184.413	2.303	2.041	1.463	.923	.750	.908	.979	185.995
191.016	2.303	2.042	1.462	.924	.751	.908	.979	192.634
200.174	2.303	2.042	1.460	.926	.751	.908	.979	201.843

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.780	6.064	5.637	4.595	3.444	2.550	2.029	1.862	1.349
.876	4.528	4.186	3.361	2.473	1.801	1.416	1.295	1.447
1.005	4.230	3.898	3.106	2.267	1.646	1.297	1.189	1.576
1.223	4.085	3.755	2.974	2.161	1.567	1.237	1.136	1.795
1.491	3.920	3.598	2.840	2.069	1.516	1.213	1.120	2.065
1.725	3.772	3.458	2.722	1.986	1.472	1.199	1.117	2.300
2.077	3.572	3.267	2.558	1.864	1.399	1.172	1.111	2.655
2.478	3.394	3.078	2.382	1.740	1.331	1.151	1.114	3.058
2.810	3.286	2.964	2.270	1.650	1.277	1.131	1.109	3.391
3.291	3.175	2.847	2.151	1.544	1.199	1.100	1.099	3.874
3.814	3.105	2.763	2.052	1.455	1.125	1.062	1.087	4.401
4.232	3.074	2.720	1.994	1.397	1.076	1.033	1.074	4.821
4.821	3.058	2.685	1.935	1.330	1.021	.996	1.051	5.414
5.444	3.066	2.672	1.891	1.277	.974	.966	1.028	6.040
5.933	3.083	2.674	1.868	1.244	.944	.947	1.014	6.531
6.611	3.119	2.688	1.847	1.207	.908	.927	.999	7.213
7.319	3.165	2.713	1.834	1.177	.877	.910	.989	7.925
7.871	3.204	2.737	1.830	1.158	.856	.899	.984	8.480
8.636	3.260	2.775	1.830	1.137	.832	.887	.978	9.250
9.437	3.316	2.817	1.835	1.119	.811	.876	.973	10.055
10.063	3.358	2.850	1.841	1.107	.796	.870	.970	10.684
10.933	3.410	2.895	1.853	1.095	.777	.862	.967	11.559
11.614	3.447	2.928	1.863	1.087	.763	.857	.966	12.244
12.564	3.493	2.971	1.879	1.078	.746	.851	.967	13.199
13.549	3.533	3.010	1.896	1.072	.730	.845	.970	14.190
14.302	3.561	3.038	1.910	1.069	.719	.841	.973	14.946
15.323	3.592	3.070	1.928	1.066	.705	.836	.977	15.973
16.365	3.618	3.099	1.947	1.065	.693	.831	.981	17.021
17.161	3.634	3.118	1.960	1.066	.685	.827	.984	17.822
18.245	3.651	3.140	1.977	1.067	.675	.822	.987	18.911
19.355	3.663	3.159	1.994	1.069	.667	.818	.989	20.028
20.208	3.669	3.172	2.006	1.071	.661	.814	.990	20.885
21.375	3.674	3.186	2.021	1.075	.654	.809	.992	22.059
22.579	3.677	3.198	2.035	1.079	.649	.805	.993	23.269
23.508	3.678	3.205	2.044	1.081	.646	.802	.993	24.203
24.784	3.678	3.211	2.057	1.085	.642	.798	.993	25.486
26.104	3.678	3.215	2.068	1.089	.639	.794	.993	26.813
27.125	3.679	3.216	2.076	1.092	.637	.791	.993	27.840
28.530	3.678	3.216	2.087	1.096	.635	.788	.992	29.253
29.987	3.678	3.214	2.098	1.100	.634	.785	.992	30.718
31.115	3.676	3.212	2.107	1.103	.633	.784	.991	31.852
32.669	3.674	3.208	2.119	1.106	.632	.781	.990	33.415
34.281	3.671	3.204	2.131	1.110	.632	.779	.989	35.036
35.531	3.669	3.201	2.140	1.112	.632	.778	.988	36.292

MACH NO = 5.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
37.252	3.666	3.196	2.153	1.115	.632	.776	.987	38.022
38.585	3.663	3.192	2.161	1.117	.632	.775	.986	39.363
40.421	3.660	3.188	2.173	1.119	.633	.774	.985	41.209
42.327	3.657	3.183	2.183	1.121	.633	.773	.984	43.125
43.803	3.656	3.179	2.190	1.122	.634	.773	.983	44.610
45.835	3.654	3.175	2.198	1.123	.634	.772	.983	46.654
47.945	3.652	3.171	2.204	1.124	.634	.772	.982	48.774
49.578	3.651	3.168	2.208	1.124	.635	.772	.982	50.417
51.828	3.651	3.165	2.212	1.125	.635	.772	.981	52.679
54.162	3.650	3.162	2.214	1.126	.636	.772	.980	55.026
55.970	3.650	3.160	2.214	1.127	.636	.772	.980	56.844
58.459	3.650	3.158	2.214	1.128	.637	.772	.980	59.347
61.042	3.651	3.157	2.213	1.130	.638	.772	.979	61.944
63.043	3.652	3.156	2.211	1.132	.639	.773	.979	63.956
65.799	3.653	3.155	2.208	1.134	.640	.773	.979	66.727
68.658	3.654	3.155	2.204	1.137	.641	.774	.979	69.601
70.872	3.655	3.155	2.200	1.139	.641	.775	.978	71.828
73.922	3.657	3.155	2.195	1.143	.642	.776	.978	74.895
77.086	3.659	3.156	2.190	1.146	.643	.777	.978	78.077
79.538	3.660	3.157	2.185	1.148	.644	.777	.979	80.542
82.915	3.662	3.158	2.179	1.152	.645	.778	.979	83.937
86.419	3.664	3.160	2.172	1.156	.646	.779	.979	87.461
89.135	3.666	3.162	2.167	1.158	.646	.780	.979	90.191
92.875	3.668	3.164	2.160	1.162	.647	.781	.979	93.953
95.774	3.670	3.165	2.155	1.164	.647	.782	.979	96.867
99.768	3.671	3.168	2.148	1.168	.648	.782	.979	100.883
103.913	3.673	3.170	2.140	1.171	.648	.783	.979	105.052
107.127	3.675	3.172	2.135	1.174	.648	.784	.979	108.282
111.554	3.676	3.174	2.128	1.177	.648	.784	.979	112.735
116.152	3.678	3.177	2.120	1.180	.648	.785	.979	117.358
119.716	3.679	3.179	2.115	1.182	.648	.785	.978	120.941
124.628	3.681	3.181	2.108	1.185	.648	.786	.978	125.880
129.730	3.682	3.183	2.101	1.188	.648	.786	.978	131.010
133.685	3.683	3.185	2.096	1.190	.648	.786	.978	134.987
139.137	3.684	3.187	2.089	1.192	.648	.787	.978	140.469
144.801	3.685	3.189	2.082	1.195	.648	.787	.977	146.164
149.192	3.686	3.190	2.078	1.196	.648	.788	.977	150.580
155.247	3.686	3.192	2.072	1.199	.648	.788	.977	156.668
161.538	3.687	3.194	2.066	1.201	.648	.788	.977	162.993
166.416	3.687	3.195	2.062	1.202	.648	.789	.977	167.899
173.143	3.688	3.196	2.056	1.204	.648	.789	.976	174.662
180.133	3.688	3.197	2.051	1.206	.647	.790	.976	181.691
185.555	3.688	3.198	2.048	1.208	.647	.790	.976	187.143
193.032	3.688	3.198	2.044	1.209	.647	.790	.976	194.660
200.802	3.687	3.199	2.040	1.211	.647	.791	.976	202.473

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.823	18.742	17.280	13.771	10.003	7.173	5.568	5.064	1.393
.965	14.511	13.293	10.404	7.394	5.212	4.009	3.638	1.536
1.220	13.563	12.392	9.656	6.870	4.872	3.775	3.439	1.793
1.536	12.494	11.386	8.829	6.298	4.536	3.594	3.308	2.110
1.912	11.357	10.320	7.946	5.669	4.154	3.394	3.180	2.489
2.351	10.324	9.307	7.074	5.041	3.769	3.192	3.059	2.929
2.845	9.496	8.461	6.305	4.456	3.394	3.002	2.941	3.427
3.389	8.890	7.829	5.707	3.972	3.019	2.789	2.814	3.973
3.971	8.491	7.380	5.238	3.566	2.696	2.562	2.659	4.558
4.580	8.265	7.081	4.887	3.239	2.435	2.358	2.491	5.171
5.207	8.176	6.903	4.628	2.986	2.219	2.191	2.340	5.802
5.845	8.196	6.819	4.441	2.788	2.039	2.053	2.216	6.443
6.488	8.301	6.810	4.309	2.630	1.892	1.936	2.113	7.089
7.132	8.471	6.860	4.219	2.502	1.772	1.834	2.022	7.737
7.774	8.686	6.956	4.162	2.400	1.674	1.746	1.937	8.383
8.414	8.932	7.087	4.130	2.316	1.590	1.670	1.859	9.026
9.050	9.200	7.246	4.120	2.247	1.517	1.605	1.791	9.665
9.680	9.487	7.425	4.126	2.189	1.452	1.551	1.734	10.299
10.305	9.789	7.621	4.146	2.141	1.394	1.503	1.687	10.927
10.925	10.100	7.830	4.178	2.100	1.341	1.462	1.650	11.551
11.540	10.410	8.053	4.221	2.065	1.292	1.425	1.620	12.169
12.153	10.709	8.285	4.273	2.036	1.248	1.392	1.596	12.785
12.643	10.933	8.476	4.320	2.015	1.214	1.368	1.580	13.278
13.257	11.190	8.717	4.387	1.994	1.175	1.339	1.563	13.896
13.877	11.414	8.957	4.460	1.977	1.137	1.312	1.547	14.519
14.506	11.601	9.192	4.539	1.963	1.102	1.285	1.533	15.151
15.149	11.746	9.417	4.625	1.954	1.067	1.260	1.520	15.798
15.810	11.848	9.627	4.717	1.947	1.034	1.234	1.508	16.463
16.497	11.906	9.817	4.815	1.945	1.001	1.209	1.497	17.153
17.214	11.925	9.981	4.919	1.945	.969	1.183	1.487	17.874
17.968	11.910	10.113	5.029	1.950	.939	1.157	1.478	18.633
18.766	11.874	10.207	5.143	1.958	.909	1.130	1.470	19.435
19.617	11.829	10.257	5.262	1.969	.881	1.102	1.464	20.291
20.528	11.786	10.260	5.384	1.985	.855	1.074	1.458	21.207
21.506	11.750	10.220	5.510	2.004	.831	1.044	1.453	22.191
22.559	11.722	10.148	5.639	2.027	.810	1.014	1.447	23.249
23.692	11.706	10.054	5.769	2.054	.792	.983	1.440	24.388
24.903	11.700	9.952	5.894	2.085	.778	.952	1.429	25.606
26.160	11.699	9.857	6.008	2.117	.767	.922	1.416	26.870
27.461	11.698	9.774	6.104	2.150	.760	.895	1.399	28.178
28.807	11.696	9.706	6.179	2.182	.755	.869	1.379	29.531
30.199	11.692	9.653	6.232	2.213	.753	.846	1.358	30.931
31.637	11.685	9.611	6.263	2.243	.752	.824	1.335	32.377
33.125	11.673	9.580	6.276	2.272	.752	.805	1.311	33.873

MACH NO = 10.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
34.352	11.660	9.560	6.275	2.294	.753	.790	1.293	35.107
35.933	11.640	9.542	6.263	2.323	.756	.774	1.270	36.697
37.571	11.619	9.530	6.242	2.352	.760	.759	1.247	38.344
39.268	11.598	9.522	6.212	2.384	.766	.746	1.226	40.050
41.027	11.579	9.519	6.176	2.417	.773	.734	1.206	41.819
42.850	11.563	9.519	6.136	2.451	.781	.724	1.187	43.652
44.741	11.553	9.523	6.092	2.486	.790	.715	1.170	45.553
46.700	11.548	9.529	6.046	2.519	.800	.707	1.153	47.523
48.731	11.547	9.537	5.998	2.551	.810	.701	1.138	49.565
50.836	11.552	9.546	5.950	2.580	.821	.695	1.123	51.682
53.017	11.561	9.557	5.901	2.607	.831	.690	1.110	53.875
55.276	11.575	9.570	5.853	2.631	.841	.685	1.098	56.146
57.615	11.591	9.584	5.804	2.652	.851	.681	1.086	58.498
60.037	11.609	9.599	5.756	2.670	.860	.677	1.075	60.934
62.546	11.628	9.617	5.709	2.686	.869	.674	1.065	63.456
65.142	11.648	9.635	5.662	2.698	.876	.670	1.056	66.067
67.831	11.667	9.655	5.616	2.708	.883	.667	1.047	68.770
70.615	11.685	9.676	5.570	2.715	.889	.664	1.038	71.570
73.500	11.702	9.697	5.525	2.720	.894	.662	1.030	74.470
76.488	11.718	9.718	5.482	2.722	.898	.659	1.023	77.475
79.585	11.732	9.740	5.440	2.723	.902	.656	1.016	80.589
82.796	11.744	9.761	5.399	2.722	.904	.654	1.009	83.818
85.450	11.753	9.777	5.368	2.720	.906	.652	1.004	86.487
88.879	11.762	9.796	5.330	2.717	.908	.650	.997	89.935
92.437	11.769	9.814	5.295	2.712	.909	.648	.991	93.512
96.130	11.774	9.830	5.262	2.707	.910	.646	.986	97.225
99.964	11.779	9.844	5.232	2.700	.911	.644	.981	101.080
103.945	11.781	9.856	5.204	2.694	.911	.643	.976	105.083
108.079	11.783	9.866	5.179	2.686	.912	.642	.971	109.240
112.374	11.783	9.875	5.156	2.679	.913	.641	.967	113.558
116.835	11.783	9.881	5.136	2.671	.913	.640	.963	118.044
121.470	11.781	9.885	5.120	2.663	.913	.640	.960	122.705
126.286	11.779	9.888	5.106	2.655	.913	.640	.957	127.547
131.290	11.776	9.889	5.095	2.647	.913	.640	.954	132.579
136.489	11.773	9.889	5.087	2.639	.913	.641	.952	137.807
141.892	11.769	9.887	5.082	2.631	.913	.641	.950	143.240
147.507	11.764	9.884	5.079	2.624	.912	.641	.948	148.885
153.340	11.759	9.879	5.080	2.616	.912	.642	.947	154.751
159.402	11.753	9.874	5.083	2.608	.912	.643	.945	160.846
165.700	11.748	9.868	5.088	2.601	.912	.643	.944	167.178
172.243	11.741	9.861	5.096	2.594	.911	.644	.944	173.758
179.041	11.735	9.854	5.107	2.587	.911	.644	.943	180.593
186.102	11.729	9.846	5.119	2.579	.910	.645	.942	187.693
193.437	11.722	9.838	5.134	2.572	.910	.645	.942	195.068
201.055	11.716	9.829	5.150	2.565	.909	.646	.941	202.728

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.856	36.847	33.864	26.749	19.201	13.610	10.476	9.500	1.426
1.058	30.709	28.079	21.890	15.487	10.862	8.333	7.559	1.630
1.331	28.437	25.923	20.095	14.242	10.110	7.860	7.172	1.904
1.736	25.355	23.040	17.734	12.606	9.133	7.337	6.809	2.311
2.226	22.384	20.226	15.375	10.910	8.081	6.762	6.438	2.804
2.694	20.370	18.156	13.548	9.574	7.253	6.327	6.152	3.275
3.318	18.564	16.323	11.870	8.245	6.255	5.758	5.796	3.902
3.990	17.411	15.055	10.597	7.171	5.419	5.157	5.367	4.578
4.574	16.857	14.354	9.814	6.467	4.861	4.720	4.994	5.165
5.288	16.572	13.842	9.127	5.825	4.316	4.298	4.609	5.883
5.887	16.583	13.627	8.717	5.412	3.947	4.009	4.350	6.485
6.602	16.820	13.562	8.367	5.021	3.593	3.713	4.085	7.204
7.308	17.228	13.658	8.131	4.718	3.317	3.462	3.846	7.914
7.885	17.652	13.829	8.002	4.517	3.130	3.286	3.665	8.495
8.563	18.235	14.109	7.906	4.321	2.940	3.107	3.472	9.176
9.223	18.901	14.449	7.860	4.162	2.778	2.960	3.311	9.839
9.757	19.520	14.772	7.851	4.051	2.660	2.856	3.200	10.377
10.380	20.331	15.208	7.870	3.938	2.534	2.749	3.093	11.003
10.885	21.041	15.614	7.908	3.857	2.441	2.672	3.020	11.510
11.474	21.902	16.150	7.973	3.774	2.341	2.590	2.947	12.103
12.049	22.738	16.734	8.059	3.703	2.252	2.516	2.886	12.681
12.519	23.393	17.249	8.143	3.652	2.184	2.461	2.841	13.153
13.075	24.106	17.892	8.257	3.601	2.108	2.399	2.793	13.712
13.626	24.721	18.547	8.385	3.557	2.036	2.342	2.749	14.267
14.086	25.149	19.094	8.502	3.527	1.979	2.296	2.715	14.729
14.640	25.552	19.738	8.654	3.497	1.914	2.244	2.678	15.286
15.108	25.790	20.253	8.792	3.476	1.860	2.203	2.648	15.757
15.682	25.959	20.834	8.973	3.456	1.797	2.154	2.616	16.334
16.273	26.006	21.358	9.173	3.442	1.736	2.105	2.587	16.929
16.785	25.963	21.738	9.355	3.435	1.684	2.065	2.566	17.443
17.428	25.834	22.108	9.597	3.431	1.623	2.017	2.545	18.089
18.109	25.647	22.362	9.865	3.432	1.561	1.967	2.527	18.774
18.712	25.466	22.466	10.111	3.438	1.511	1.924	2.516	19.381
19.485	25.244	22.454	10.435	3.451	1.450	1.871	2.506	20.158
20.306	25.060	22.304	10.786	3.470	1.393	1.815	2.499	20.983
21.032	24.959	22.083	11.097	3.490	1.347	1.765	2.494	21.714
21.967	24.917	21.724	11.486	3.522	1.296	1.703	2.486	22.654
22.808	24.935	21.373	11.817	3.554	1.258	1.648	2.476	23.499
23.907	24.991	20.945	12.203	3.601	1.217	1.577	2.456	24.604
25.119	25.055	20.570	12.547	3.656	1.184	1.504	2.427	25.823
26.211	25.102	20.330	12.771	3.706	1.163	1.442	2.392	26.921
27.613	25.143	20.136	12.936	3.772	1.145	1.370	2.340	28.330
29.080	25.167	20.032	12.993	3.841	1.135	1.305	2.279	29.806
30.341	25.164	19.990	12.977	3.902	1.131	1.255	2.225	31.073

MACH NO = 15.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
31.901	25.124	19.967	12.905	3.984	1.131	1.203	2.157	32.643
33.246	25.057	19.964	12.813	4.059	1.134	1.164	2.101	33.995
34.918	24.953	19.978	12.676	4.161	1.143	1.123	2.036	35.676
36.659	24.850	20.010	12.523	4.274	1.155	1.087	1.973	37.426
38.164	24.778	20.046	12.390	4.372	1.169	1.061	1.923	38.940
40.040	24.714	20.093	12.232	4.487	1.188	1.035	1.867	40.826
41.995	24.676	20.134	12.079	4.594	1.209	1.012	1.816	42.792
43.687	24.665	20.163	11.956	4.674	1.226	.995	1.775	44.493
45.793	24.675	20.191	11.813	4.758	1.247	.977	1.730	46.611
47.613	24.701	20.212	11.698	4.818	1.264	.964	1.696	48.441
49.875	24.750	20.237	11.563	4.876	1.283	.950	1.656	50.716
52.225	24.809	20.265	11.432	4.921	1.301	.938	1.620	53.078
54.251	24.861	20.290	11.325	4.949	1.315	.928	1.591	55.115
56.766	24.923	20.323	11.201	4.972	1.332	.917	1.559	57.644
59.375	24.980	20.361	11.080	4.986	1.348	.907	1.529	60.268
61.626	25.023	20.397	10.982	4.991	1.360	.899	1.505	62.531
64.421	25.067	20.447	10.868	4.990	1.374	.891	1.479	65.342
67.325	25.103	20.502	10.757	4.984	1.386	.882	1.454	68.262
69.833	25.127	20.552	10.667	4.973	1.395	.876	1.434	70.784
72.954	25.152	20.613	10.562	4.955	1.404	.868	1.411	73.922
75.652	25.170	20.663	10.477	4.937	1.410	.862	1.393	76.635
79.013	25.189	20.723	10.380	4.911	1.415	.854	1.373	80.014
82.514	25.205	20.778	10.289	4.882	1.419	.846	1.353	83.534
85.545	25.216	20.821	10.218	4.855	1.422	.840	1.336	86.582
89.324	25.229	20.866	10.139	4.822	1.425	.832	1.317	90.382
93.265	25.239	20.904	10.068	4.787	1.429	.825	1.298	94.344
96.678	25.245	20.930	10.016	4.758	1.431	.819	1.283	97.777
100.936	25.250	20.954	9.962	4.723	1.434	.813	1.266	102.058
104.625	25.252	20.969	9.924	4.695	1.436	.808	1.252	105.767
109.227	25.251	20.981	9.887	4.661	1.436	.803	1.236	110.394
114.029	25.248	20.987	9.860	4.629	1.436	.798	1.221	115.222
118.189	25.243	20.988	9.845	4.603	1.434	.794	1.210	119.406
123.380	25.235	20.985	9.835	4.573	1.430	.790	1.197	124.625
128.796	25.224	20.977	9.835	4.545	1.426	.786	1.185	130.071
133.490	25.214	20.968	9.841	4.522	1.422	.783	1.176	134.791
139.345	25.200	20.954	9.857	4.497	1.418	.780	1.166	140.679
144.419	25.188	20.941	9.877	4.477	1.415	.778	1.158	145.780
150.749	25.172	20.921	9.909	4.455	1.411	.775	1.150	152.145
157.352	25.156	20.900	9.948	4.434	1.407	.773	1.142	158.784
163.072	25.142	20.881	9.986	4.417	1.404	.772	1.137	164.535
170.205	25.126	20.856	10.038	4.399	1.400	.770	1.131	171.709
177.645	25.109	20.830	10.097	4.382	1.395	.769	1.125	179.189
184.086	25.095	20.807	10.149	4.368	1.391	.767	1.121	185.665
192.116	25.079	20.780	10.217	4.353	1.386	.766	1.116	193.740
200.485	25.063	20.751	10.289	4.338	1.382	.765	1.112	202.155

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	90.656	73.042	53.754	38.976	30.488	27.797	1.297
.857	64.720	59.452	46.894	33.594	23.762	18.262	16.550	1.427
1.057	53.922	49.281	38.372	27.098	18.968	14.528	13.170	1.629
1.389	48.951	44.577	34.482	24.415	17.356	13.538	12.372	1.962
1.804	43.397	39.392	30.239	21.459	15.576	12.574	11.705	2.380
2.302	38.238	34.414	26.054	18.472	13.735	11.558	11.041	2.881
2.875	34.161	30.324	22.432	15.752	11.959	10.616	10.419	3.457
3.508	31.294	27.356	19.670	13.563	10.268	9.568	9.743	4.093
4.181	29.501	25.334	17.618	11.800	8.908	8.542	8.953	4.770
4.876	28.556	24.054	16.135	10.472	7.833	7.701	8.202	5.468
5.577	28.262	23.330	15.086	9.480	6.971	7.033	7.596	6.173
6.275	28.460	23.023	14.347	8.718	6.292	6.479	7.102	6.875
6.963	29.003	23.029	13.834	8.128	5.765	6.010	6.665	7.567
7.635	29.762	23.259	13.489	7.669	5.348	5.616	6.269	8.243
8.289	30.668	23.641	13.265	7.305	5.006	5.290	5.917	8.900
8.921	31.719	24.126	13.132	7.010	4.717	5.021	5.620	9.536
9.531	32.936	24.697	13.067	6.766	4.468	4.797	5.376	10.149
10.117	34.308	25.356	13.057	6.562	4.252	4.608	5.179	10.739
10.681	35.791	26.115	13.092	6.388	4.064	4.446	5.020	11.306
11.224	37.323	26.974	13.165	6.241	3.899	4.305	4.889	11.852
11.749	38.842	27.926	13.269	6.115	3.753	4.180	4.778	12.380
12.259	40.292	28.956	13.399	6.007	3.620	4.068	4.682	12.892
12.756	41.629	30.045	13.550	5.915	3.499	3.966	4.595	13.392
13.244	42.818	31.176	13.721	5.837	3.387	3.872	4.517	13.882
13.726	43.833	32.326	13.909	5.770	3.280	3.784	4.444	14.367
14.206	44.654	33.476	14.116	5.713	3.179	3.701	4.377	14.850
14.687	45.268	34.605	14.342	5.665	3.081	3.622	4.315	15.333
15.172	45.669	35.691	14.589	5.624	2.985	3.547	4.258	15.822
15.667	45.860	36.714	14.860	5.589	2.891	3.473	4.207	16.319
16.176	45.858	37.647	15.159	5.561	2.797	3.401	4.161	16.831
16.703	45.689	38.462	15.493	5.539	2.704	3.330	4.120	17.361
17.256	45.381	39.121	15.867	5.523	2.609	3.258	4.086	17.916
17.838	44.963	39.583	16.289	5.514	2.514	3.184	4.058	18.502
18.459	44.475	39.811	16.766	5.512	2.418	3.108	4.036	19.126
19.120	43.984	39.785	17.304	5.518	2.321	3.028	4.020	19.791
19.814	43.584	39.508	17.896	5.533	2.227	2.945	4.009	20.489
20.551	43.336	38.986	18.542	5.556	2.137	2.857	3.999	21.230
21.340	43.264	38.252	19.237	5.590	2.050	2.763	3.988	22.023
22.192	43.339	37.386	19.969	5.635	1.969	2.661	3.972	22.880
23.122	43.507	36.505	20.708	5.691	1.896	2.551	3.947	23.815
24.143	43.703	35.720	21.399	5.759	1.833	2.434	3.908	24.842
25.270	43.871	35.099	21.964	5.836	1.780	2.311	3.850	25.974
26.485	43.997	34.698	22.320	5.920	1.741	2.188	3.774	27.196
27.788	44.089	34.494	22.450	6.010	1.713	2.070	3.680	28.507
29.181	44.139	34.429	22.396	6.115	1.696	1.960	3.574	29.908

MACH NO = 20.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.382	44.110	34.438	22.254	6.216	1.690	1.878	3.481	31.115
31.869	43.949	34.481	22.001	6.360	1.690	1.792	3.367	32.610
33.412	43.704	34.555	21.689	6.533	1.700	1.717	3.254	34.162
35.016	43.462	34.664	21.349	6.738	1.718	1.653	3.145	35.774
36.685	43.262	34.791	21.006	6.963	1.744	1.598	3.039	37.453
38.425	43.116	34.915	20.682	7.188	1.776	1.551	2.939	39.202
40.237	43.028	35.015	20.386	7.395	1.810	1.510	2.845	41.024
42.125	42.998	35.085	20.113	7.575	1.844	1.476	2.756	42.922
44.088	43.027	35.129	19.857	7.727	1.875	1.445	2.673	44.896
46.127	43.111	35.162	19.609	7.847	1.905	1.418	2.596	46.947
48.243	43.227	35.193	19.368	7.935	1.931	1.393	2.524	49.074
50.436	43.355	35.225	19.135	7.997	1.955	1.370	2.456	51.279
52.706	43.480	35.259	18.910	8.036	1.978	1.349	2.393	53.562
55.058	43.595	35.300	18.695	8.056	2.000	1.330	2.334	55.927
57.493	43.694	35.355	18.488	8.061	2.020	1.313	2.280	58.375
60.016	43.772	35.426	18.290	8.054	2.040	1.297	2.229	60.912
62.632	43.829	35.513	18.100	8.034	2.059	1.281	2.182	63.543
65.347	43.871	35.614	17.916	8.003	2.075	1.267	2.137	66.272
68.166	43.902	35.722	17.738	7.961	2.088	1.253	2.096	69.107
71.097	43.929	35.835	17.566	7.910	2.099	1.240	2.056	72.054
74.145	43.954	35.947	17.399	7.850	2.106	1.226	2.018	75.119
77.316	43.979	36.056	17.239	7.784	2.112	1.213	1.981	78.308
80.618	44.005	36.158	17.089	7.714	2.115	1.199	1.945	81.628
84.056	44.030	36.248	16.948	7.642	2.119	1.185	1.910	85.085
87.637	44.056	36.326	16.821	7.569	2.123	1.171	1.875	88.685
91.367	44.078	36.389	16.708	7.497	2.128	1.157	1.841	92.436
95.252	44.095	36.438	16.612	7.425	2.132	1.144	1.808	96.342
99.299	44.106	36.474	16.533	7.355	2.135	1.132	1.776	100.411
103.515	44.111	36.498	16.472	7.287	2.136	1.121	1.745	104.651
107.907	44.109	36.511	16.428	7.223	2.132	1.110	1.715	109.067
112.484	44.100	36.514	16.401	7.161	2.124	1.099	1.688	113.669
117.253	44.087	36.509	16.392	7.103	2.113	1.089	1.661	118.464
122.221	44.068	36.496	16.399	7.049	2.101	1.079	1.636	123.460
127.399	44.046	36.477	16.423	6.999	2.089	1.069	1.613	128.667
132.794	44.021	36.452	16.463	6.952	2.078	1.060	1.591	134.091
138.416	43.994	36.421	16.519	6.910	2.068	1.052	1.571	139.744
144.273	43.966	36.386	16.589	6.872	2.059	1.044	1.552	145.633
150.374	43.937	36.346	16.673	6.837	2.049	1.038	1.535	151.768
156.730	43.908	36.303	16.770	6.806	2.038	1.031	1.519	158.159
163.349	43.879	36.256	16.879	6.778	2.026	1.026	1.504	164.815
170.242	43.850	36.206	16.999	6.753	2.014	1.020	1.491	171.745
177.417	43.822	36.154	17.129	6.730	2.002	1.015	1.479	178.960
184.886	43.794	36.100	17.268	6.710	1.992	1.011	1.468	186.470
192.659	43.766	36.045	17.414	6.691	1.981	1.007	1.457	194.286
200.745	43.739	35.990	17.566	6.674	1.971	1.002	1.448	202.417

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	152.229	140.865	113.431	83.400	60.421	47.223	43.052	1.297
.889	89.901	82.397	64.593	45.909	32.236	24.651	22.300	1.460
1.106	82.541	75.361	58.569	41.355	28.968	22.200	20.132	1.678
1.450	74.544	67.829	52.386	37.090	26.434	20.707	18.967	2.024
1.877	65.831	59.700	45.732	32.422	23.594	19.159	17.898	2.453
2.386	58.009	52.015	39.228	27.799	20.766	17.597	16.869	2.965
3.070	51.060	45.102	33.081	23.097	17.530	15.839	15.721	3.653
3.714	47.122	40.949	29.117	19.905	15.056	14.177	14.594	4.300
4.390	44.739	38.163	26.222	17.383	13.103	12.664	13.352	4.980
5.081	43.566	36.430	24.131	15.504	11.547	11.455	12.255	5.675
5.775	43.321	35.484	22.650	14.085	10.305	10.483	11.380	6.372
6.461	43.766	35.127	21.603	12.989	9.333	9.667	10.646	7.062
7.244	44.857	35.254	20.778	12.018	8.466	8.872	9.883	7.850
7.896	46.083	35.679	20.317	11.380	7.883	8.312	9.298	8.505
8.526	47.522	36.291	20.018	10.867	7.397	7.850	8.790	9.139
9.133	49.209	37.035	19.839	10.447	6.983	7.467	8.367	9.749
9.716	51.166	37.907	19.753	10.097	6.626	7.148	8.022	10.335
10.274	53.353	38.925	19.742	9.802	6.318	6.876	7.743	10.897
10.897	56.090	40.310	19.808	9.512	6.007	6.606	7.481	11.523
11.408	58.485	41.664	19.920	9.302	5.776	6.405	7.295	12.037
11.901	60.829	43.154	20.072	9.123	5.569	6.226	7.134	12.532
12.379	63.048	44.757	20.258	8.970	5.382	6.065	6.992	13.012
12.844	65.082	46.445	20.473	8.838	5.209	5.917	6.864	13.480
13.300	66.882	48.192	20.714	8.725	5.049	5.781	6.747	13.939
13.824	68.642	50.265	21.026	8.612	4.872	5.634	6.621	14.466
14.270	69.828	52.041	21.319	8.530	4.727	5.515	6.522	14.914
14.716	70.698	53.785	21.638	8.458	4.587	5.402	6.431	15.363
15.167	71.249	55.470	21.985	8.395	4.451	5.294	6.347	15.816
15.624	71.492	57.066	22.366	8.341	4.316	5.189	6.270	16.276
16.093	71.450	58.538	22.787	8.294	4.181	5.086	6.202	16.747
16.661	71.085	60.038	23.339	8.249	4.024	4.967	6.132	17.318
17.171	70.535	61.073	23.877	8.218	3.887	4.864	6.082	17.831
17.708	69.806	61.814	24.486	8.196	3.749	4.759	6.040	18.372
18.279	68.958	62.207	25.181	8.183	3.608	4.651	6.007	18.945
18.885	68.106	62.213	25.970	8.180	3.466	4.538	5.981	19.554
19.518	67.406	61.820	26.846	8.190	3.328	4.421	5.963	20.192
20.303	66.900	60.853	27.981	8.217	3.170	4.276	5.945	20.980
21.023	66.777	59.641	29.052	8.255	3.040	4.142	5.930	21.705
21.799	66.906	58.205	30.197	8.309	2.916	3.997	5.908	22.485
22.642	67.212	56.729	31.384	8.380	2.802	3.840	5.876	23.332
23.564	67.590	55.376	32.539	8.466	2.699	3.670	5.826	24.259
24.580	67.933	54.261	33.545	8.564	2.611	3.489	5.753	25.281
25.674	68.230	53.395	34.339	8.688	2.530	3.274	5.635	26.582
27.044	68.424	53.043	34.624	8.797	2.480	3.098	5.510	27.759
28.284	68.572	52.937	34.601	8.918	2.444	2.932	5.366	29.005

MACH NO = 25.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.612	68.578	52.973	34.338	9.069	2.421	2.778	5.208	30.341
31.033	68.330	53.082	33.895	9.266	2.413	2.638	5.040	31.769
32.506	67.902	53.248	33.350	9.512	2.421	2.517	4.870	33.251
34.298	67.390	53.499	32.652	9.871	2.448	2.397	4.675	35.053
35.902	67.032	53.747	32.060	10.230	2.486	2.311	4.513	36.665
37.573	66.770	53.979	31.514	10.599	2.534	2.238	4.357	38.345
39.314	66.608	54.163	31.030	10.940	2.586	2.175	4.208	40.096
41.128	66.548	54.283	30.597	11.235	2.637	2.120	4.066	41.920
43.014	66.598	54.348	30.193	11.478	2.684	2.072	3.932	43.816
45.305	66.779	54.392	29.740	11.692	2.733	2.022	3.785	46.120
47.347	66.988	54.424	29.362	11.817	2.769	1.983	3.669	48.173
49.461	67.207	54.454	28.997	11.900	2.801	1.947	3.559	50.299
51.647	67.415	54.487	28.645	11.947	2.831	1.914	3.458	52.498
53.909	67.601	54.535	28.310	11.964	2.860	1.884	3.364	54.772
56.249	67.754	54.607	27.991	11.960	2.888	1.857	3.277	57.124
59.083	67.881	54.729	27.639	11.931	2.918	1.827	3.185	59.974
61.607	67.949	54.866	27.353	11.885	2.942	1.804	3.111	62.512
64.225	67.992	55.025	27.080	11.821	2.963	1.783	3.043	65.144
66.943	68.024	55.197	26.815	11.740	2.979	1.762	2.979	67.877
69.766	68.053	55.375	26.559	11.642	2.990	1.741	2.918	70.716
72.702	68.083	55.556	26.311	11.530	2.997	1.720	2.860	73.668
76.276	68.123	55.760	26.033	11.392	3.000	1.695	2.793	77.262
79.474	68.165	55.921	25.806	11.270	3.002	1.673	2.738	80.478
82.803	68.210	56.063	25.595	11.148	3.005	1.651	2.682	83.825
86.267	68.256	56.184	25.403	11.025	3.009	1.629	2.628	87.308
89.873	68.297	56.281	25.235	10.904	3.014	1.608	2.575	90.934
93.626	68.329	56.357	25.093	10.785	3.019	1.587	2.523	94.708
98.200	68.353	56.419	24.963	10.651	3.021	1.564	2.464	99.307
102.295	68.360	56.452	24.881	10.541	3.015	1.545	2.415	103.424
106.558	68.356	56.468	24.827	10.437	3.003	1.526	2.369	107.710
110.996	68.342	56.470	24.801	10.339	2.984	1.508	2.325	112.173
115.618	68.317	56.459	24.801	10.248	2.961	1.490	2.283	116.820
120.430	68.285	56.436	24.828	10.163	2.938	1.472	2.243	121.659
126.297	68.242	56.398	24.892	10.074	2.915	1.453	2.199	127.558
131.550	68.201	56.355	24.974	10.005	2.897	1.437	2.164	132.840
137.020	68.158	56.303	25.080	9.943	2.880	1.422	2.131	138.341
142.716	68.113	56.244	25.209	9.888	2.862	1.409	2.101	144.067
148.644	68.068	56.178	25.360	9.840	2.841	1.397	2.072	150.029
154.815	68.024	56.106	25.532	9.798	2.817	1.386	2.046	156.234
162.333	67.972	56.016	25.754	9.756	2.790	1.373	2.018	163.793
169.059	67.928	55.933	25.963	9.724	2.769	1.364	1.996	170.556
176.055	67.885	55.848	26.187	9.697	2.749	1.355	1.975	177.591
183.332	67.842	55.759	26.423	9.674	2.730	1.346	1.957	184.907
190.897	67.799	55.669	26.671	9.654	2.711	1.338	1.939	192.514
200.102	67.751	55.562	26.971	9.634	2.689	1.330	1.920	201.770

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/PN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.890	129.065	118.276	92.686	65.842	46.210	35.321	31.949	1.460
1.106	118.477	108.159	84.033	59.308	41.524	31.809	28.843	1.678
1.449	106.934	97.291	75.117	53.162	37.871	29.658	27.160	2.023
1.954	92.343	83.660	63.964	45.306	33.063	27.018	25.336	2.531
2.475	81.447	72.817	54.695	38.724	29.060	24.819	23.885	3.054
3.064	73.046	64.516	47.312	33.029	25.062	22.637	22.465	3.647
3.816	66.612	57.707	40.802	27.761	20.993	19.860	20.545	4.402
4.492	63.455	53.941	36.835	24.297	18.297	17.755	18.771	5.083
5.181	61.962	51.617	33.974	21.719	16.141	16.085	17.249	5.775
5.869	61.745	50.371	31.943	19.761	14.424	14.730	16.033	6.467
6.661	62.653	49.922	30.310	18.031	12.892	13.416	14.838	7.263
7.322	64.059	50.157	29.369	16.905	11.888	12.479	13.919	7.928
7.964	65.809	50.771	28.730	16.019	11.078	11.699	13.095	8.574
8.684	68.244	51.788	28.260	15.199	10.299	10.959	12.278	9.298
9.276	70.737	52.854	28.029	14.630	9.735	10.442	11.707	9.892
9.842	73.618	54.107	27.920	14.153	9.250	10.008	11.243	10.461
10.383	76.813	55.574	27.913	13.748	8.830	9.637	10.866	11.006
10.986	80.773	57.571	28.007	13.351	8.408	9.267	10.508	11.612
11.480	84.213	59.517	28.161	13.063	8.092	8.991	10.252	12.109
11.956	87.566	61.653	28.369	12.817	7.809	8.744	10.029	12.588
12.492	91.235	64.340	28.668	12.573	7.512	8.486	9.799	13.127
12.939	94.079	66.767	28.964	12.396	7.279	8.285	9.621	13.576
13.377	96.584	69.269	29.294	12.242	7.060	8.099	9.458	14.016
13.879	99.014	72.232	29.719	12.088	6.819	7.897	9.284	14.521
14.307	100.637	74.767	30.117	11.974	6.622	7.735	9.146	14.951
14.734	101.814	77.260	30.550	11.873	6.431	7.580	9.019	15.381
15.165	102.545	79.674	31.020	11.784	6.243	7.432	8.903	15.814
15.676	102.860	82.336	31.626	11.694	6.027	7.264	8.780	16.328
16.126	102.707	84.430	32.204	11.626	5.843	7.124	8.687	16.781
16.591	102.200	86.282	32.850	11.567	5.658	6.984	8.604	17.248
17.160	101.210	88.033	33.706	11.510	5.439	6.821	8.522	17.820
17.674	100.076	89.089	34.550	11.473	5.248	6.678	8.464	18.337
18.221	98.778	89.653	35.515	11.448	5.053	6.530	8.417	18.887
18.799	97.493	89.663	36.613	11.438	4.857	6.376	8.381	19.468
19.505	96.298	88.939	38.054	11.446	4.632	6.189	8.350	20.179
20.147	95.678	87.676	39.433	11.471	4.444	6.019	8.328	20.823
20.830	95.477	85.892	40.948	11.515	4.261	5.838	8.306	21.510
21.691	95.720	83.401	42.869	11.594	4.058	5.606	8.272	22.376
22.496	96.217	81.206	44.599	11.686	3.896	5.389	8.228	23.186
23.376	96.825	79.190	46.300	11.799	3.749	5.154	8.161	24.071
24.344	97.378	77.518	47.804	11.928	3.622	4.902	8.064	25.044
25.565	97.858	76.216	49.025	12.084	3.502	4.604	7.909	26.272
26.660	98.170	75.675	49.502	12.216	3.425	4.360	7.746	27.373
27.814	98.133	75.513	49.527	12.359	3.366	4.129	7.558	28.533

MACH NO = 30.00 CONE ANGLE = 6.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.257	98.508	75.603	49.111	12.572	3.320	3.878	7.314	29.984
30.604	98.155	75.800	48.449	12.820	3.301	3.679	7.087	31.338
32.040	97.490	76.074	47.601	13.149	3.304	3.501	6.850	32.782
33.786	96.685	76.491	46.523	13.648	3.338	3.326	6.576	34.538
35.349	96.120	76.884	45.612	14.162	3.389	3.199	6.344	36.109
36.977	95.699	77.264	44.784	14.705	3.455	3.092	6.119	37.746
38.674	95.432	77.562	44.063	15.218	3.529	3.001	5.902	39.452
40.743	95.319	77.773	43.329	15.727	3.615	2.909	5.660	41.533
42.593	95.412	77.855	42.749	16.075	3.681	2.840	5.464	43.393
44.513	95.658	77.896	42.188	16.337	3.738	2.778	5.278	45.324
46.840	96.034	77.931	41.552	16.540	3.795	2.711	5.076	47.664
48.910	96.367	77.955	41.024	16.646	3.837	2.659	4.916	49.746
51.050	96.679	77.984	40.518	16.702	3.877	2.611	4.767	51.897
53.262	96.952	78.038	40.034	16.717	3.914	2.568	4.630	54.121
55.937	97.201	78.151	39.503	16.696	3.957	2.522	4.484	56.811
58.317	97.342	78.300	39.076	16.648	3.992	2.486	4.370	59.204
60.781	97.423	78.495	38.673	16.571	4.024	2.453	4.265	61.682
63.772	97.474	78.763	38.227	16.448	4.054	2.417	4.152	64.689
66.440	97.505	79.013	37.860	16.312	4.071	2.388	4.062	67.372
69.212	97.535	79.274	37.506	16.152	4.082	2.358	3.976	70.159
72.093	97.570	79.539	37.161	15.975	4.086	2.329	3.893	73.056
75.600	97.626	79.836	36.773	15.761	4.085	2.293	3.799	76.582
78.738	97.689	80.070	36.454	15.577	4.083	2.261	3.719	79.737
82.002	97.760	80.275	36.156	15.392	4.083	2.229	3.640	83.019
85.977	97.844	80.473	35.845	15.178	4.088	2.192	3.550	87.016
89.534	97.907	80.608	35.616	14.998	4.093	2.161	3.473	90.592
93.235	97.955	80.711	35.426	14.822	4.096	2.131	3.398	94.314
97.742	97.990	80.795	35.255	14.625	4.092	2.097	3.314	98.846
101.776	98.000	80.838	35.152	14.465	4.077	2.069	3.244	102.902
105.974	97.992	80.857	35.089	14.314	4.051	2.041	3.178	107.123
110.343	97.967	80.855	35.067	14.173	4.018	2.013	3.114	111.516
115.666	97.921	80.832	35.089	14.022	3.975	1.981	3.044	116.869
120.431	97.872	80.794	35.150	13.904	3.942	1.955	2.987	121.660
125.392	97.815	80.743	35.247	13.797	3.914	1.929	2.933	126.648
131.436	97.744	80.666	35.407	13.687	3.883	1.902	2.874	132.725
136.846	97.681	80.587	35.581	13.605	3.855	1.881	2.827	138.165
142.476	97.617	80.497	35.788	13.533	3.822	1.861	2.783	143.827
148.335	97.553	80.398	36.027	13.471	3.784	1.842	2.742	149.717
155.469	97.478	80.271	36.341	13.410	3.739	1.822	2.698	156.891
161.851	97.416	80.154	36.638	13.366	3.703	1.806	2.662	163.308
168.488	97.353	80.031	36.958	13.330	3.671	1.791	2.630	169.981
176.564	97.281	79.881	37.357	13.295	3.637	1.775	2.595	178.102
183.783	97.220	79.749	37.718	13.272	3.607	1.762	2.567	185.361
191.285	97.159	79.614	38.094	13.253	3.577	1.750	2.541	192.904
200.407	97.089	79.456	38.548	13.235	3.544	1.737	2.513	202.076

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.754	3.635	3.403	2.829	2.182	1.665	1.355	1.255	1.323
.816	3.076	2.870	2.365	1.804	1.363	1.102	1.018	1.336
.929	2.640	2.453	2.002	1.510	1.134	.915	.846	1.500
1.110	2.598	2.406	1.946	1.454	1.087	.878	.813	1.682
1.271	2.589	2.396	1.932	1.441	1.074	.868	.804	1.844
1.455	2.565	2.371	1.911	1.429	1.072	.871	.809	2.030
1.742	2.507	2.318	1.865	1.398	1.064	.881	.826	2.319
1.988	2.457	2.270	1.823	1.368	1.050	.886	.839	2.567
2.262	2.403	2.217	1.773	1.333	1.033	.893	.858	2.843
2.565	2.364	2.165	1.719	1.297	1.018	.897	.874	3.148
3.011	2.320	2.119	1.668	1.251	.994	.899	.886	3.597
3.378	2.297	2.092	1.638	1.221	.974	.899	.895	3.967
3.772	2.284	2.073	1.610	1.194	.953	.897	.905	4.364
4.337	2.277	2.059	1.581	1.163	.927	.891	.916	4.934
4.791	2.280	2.054	1.566	1.143	.911	.887	.922	5.391
5.268	2.286	2.055	1.554	1.125	.898	.883	.924	5.872
5.770	2.296	2.059	1.546	1.111	.887	.880	.926	6.377
6.474	2.314	2.068	1.538	1.094	.874	.880	.929	7.086
7.027	2.328	2.078	1.535	1.084	.865	.882	.933	7.644
7.602	2.343	2.088	1.533	1.076	.857	.884	.939	8.223
8.401	2.364	2.103	1.533	1.066	.848	.887	.949	9.028
9.025	2.378	2.114	1.534	1.060	.842	.889	.956	9.657
9.670	2.392	2.126	1.536	1.055	.837	.892	.962	10.306
10.561	2.409	2.140	1.539	1.049	.832	.895	.968	11.205
11.255	2.420	2.150	1.542	1.045	.828	.897	.972	11.903
11.969	2.430	2.160	1.545	1.042	.824	.899	.975	12.623
12.706	2.439	2.168	1.549	1.040	.821	.901	.978	13.365
13.723	2.450	2.179	1.553	1.037	.817	.903	.982	14.390
14.512	2.457	2.186	1.556	1.036	.814	.905	.985	15.185
15.324	2.463	2.192	1.560	1.034	.812	.906	.987	16.003
16.445	2.469	2.200	1.564	1.034	.809	.908	.991	17.133
17.315	2.474	2.205	1.567	1.033	.807	.909	.994	18.009
18.211	2.477	2.209	1.571	1.033	.806	.910	.996	18.911
19.133	2.480	2.213	1.574	1.033	.804	.911	.998	19.841
20.407	2.483	2.217	1.578	1.034	.803	.912	1.000	21.124
21.397	2.485	2.220	1.581	1.034	.802	.912	1.001	22.121
22.418	2.486	2.222	1.584	1.034	.802	.913	1.002	23.150
23.830	2.487	2.225	1.588	1.035	.801	.913	1.003	24.573
24.929	2.488	2.227	1.591	1.036	.801	.914	1.003	25.680
26.064	2.488	2.228	1.594	1.036	.801	.914	1.004	26.824
27.237	2.488	2.229	1.597	1.037	.801	.914	1.004	28.005
28.861	2.488	2.230	1.600	1.037	.801	.914	1.004	29.642
30.127	2.488	2.231	1.603	1.037	.802	.915	1.004	30.918
31.436	2.488	2.231	1.606	1.038	.802	.915	1.004	32.236

MACH NO = 3.50 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
33.250	2.488	2.231	1.610	1.038	.802	.915	1.004	34.064
34.664	2.487	2.231	1.612	1.039	.803	.915	1.004	35.489
36.127	2.487	2.231	1.615	1.039	.803	.916	1.003	36.962
38.154	2.487	2 230	1.619	1.039	.804	.916	1.003	39.005
39.735	2.486	2.230	1.622	1.039	.805	.916	1.003	40.598
41.370	2.486	2.229	1.624	1.039	.805	.916	1.002	42.245
43.061	2.485	2.228	1.627	1.039	.806	.917	1.002	43.948
45.405	2.485	2.227	1.631	1.040	.806	.917	1.002	46.310
47.234	2.485	2.227	1.633	1.040	.807	.917	1.001	48.152
49.124	2.484	2.226	1.635	1.039	.807	.918	1.001	50.057
51.745	2.484	2.225	1.638	1.039	.808	.918	1.001	52.698
53.789	2.484	2.225	1.640	1.039	.808	.919	1.001	54.757
55.902	2.484	2.224	1.641	1.039	.809	.919	1.001	56.886
58.088	2.484	2.224	1.642	1.039	.809	.919	1.001	59.088
61.117	2.485	2.223	1.644	1.039	.810	.920	1.001	62.140
63.479	2.485	2.223	1.644	1.039	.810	.920	1.001	64.520
65.921	2.485	2.222	1.645	1.039	.811	.921	1.001	66.980
69.307	2.486	2.222	1.645	1.040	.811	.921	1.001	70.392
71.947	2.486	2.222	1.645	1.040	.812	.922	1.001	73.052
74.677	2.487	2.221	1.645	1.040	.812	.922	1.001	75.802
77.500	2.487	2.221	1.644	1.041	.812	.923	1.001	78.646
81.413	2.488	2.221	1.643	1.042	.813	.923	1.001	82.588
84.464	2.488	2.221	1.643	1.042	.813	.924	1.001	85.662
87.619	2.489	2.221	1.642	1.043	.814	.924	1.001	88.841
91.994	2.489	2.221	1.640	1.044	.814	.924	1.001	93.249
95.406	2.490	2.221	1.639	1.045	.814	.925	1.001	96.686
98.934	2.490	2.221	1.638	1.046	.815	.925	1.001	100.240
103.826	2.490	2.221	1.636	1.048	.815	.925	1.001	105.169
107.641	2.491	2.221	1.635	1.049	.815	.926	1.001	109.013
111.587	2.491	2.222	1.633	1.050	.816	.926	1.000	112.989
115.668	2.491	2.222	1.632	1.051	.816	.926	1.000	117.100
121.328	2.492	2.222	1.630	1.052	.816	.926	1.000	122.803
125.742	2.492	2.223	1.628	1.054	.816	.927	1.000	127.251
130.309	2.492	2.223	1.627	1.055	.816	.927	1.000	131.851
136.642	2.492	2.223	1.625	1.056	.816	.927	1.000	138.232
141.584	2.492	2.224	1.623	1.057	.816	.927	1.000	143.211
146.695	2.493	2.224	1.622	1.059	.816	.927	1.000	148.360
151.982	2.493	2.224	1.620	1.060	.816	.927	1.000	153.687
159.317	2.493	2.225	1.618	1.061	.816	.928	1.000	161.077
165.039	2.493	2.225	1.617	1.062	.816	.928	1.000	166.842
170.959	2.493	2.225	1.615	1.063	.816	.928	1.000	172.807
179.172	2.493	2.226	1.613	1.065	.816	.928	.999	181.081
185.580	2.493	2.226	1.612	1.066	.816	.928	.999	187.538
192.210	2.493	2.226	1.610	1.067	.816	.928	.999	194.217
201.408	2.493	2.226	1.609	1.068	.816	.928	.999	203.484

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.780	6.064	5.637	4.595	3.444	2.550	2.029	1.862	1.349
.876	4.528	4.186	3.361	2.473	1.801	1.416	1.295	1.447
1.054	4.408	4.063	3.236	2.357	1.705	1.340	1.227	1.626
1.280	4.280	3.935	3.120	2.276	1.660	1.316	1.209	1.854
1.475	4.155	3.815	3.016	2.202	1.619	1.299	1.201	2.050
1.768	3.964	3.634	2.861	2.090	1.554	1.273	1.189	2.346
2.103	3.773	3.453	2.701	1.970	1.481	1.242	1.179	2.682
2.477	3.617	3.276	2.532	1.848	1.413	1.214	1.170	3.060
2.890	3.495	3.149	2.404	1.737	1.340	1.185	1.157	3.476
3.224	3.430	3.076	2.325	1.666	1.283	1.159	1.147	3.812
3.697	3.375	3.006	2.236	1.583	1.211	1.120	1.131	4.289
4.202	3.352	2.964	2.171	1.512	1.151	1.079	1.108	4.797
4.733	3.354	2.946	2.124	1.454	1.102	1.043	1.081	5.332
5.289	3.376	2.947	2.091	1.408	1.060	1.013	1.056	5.893
5.721	3.402	2.957	2.075	1.379	1.032	.995	1.041	6.328
6.316	3.448	2.981	2.062	1.348	.999	.975	1.026	6.927
6.932	3.502	3.015	2.057	1.323	.970	.959	1.017	7.548
7.571	3.561	3.055	2.058	1.303	.946	.944	1.010	8.191
8.233	3.620	3.100	2.065	1.286	.925	.932	1.004	8.858
8.746	3.665	3.135	2.073	1.275	.911	.924	.999	9.375
9.453	3.721	3.182	2.086	1.264	.894	.914	.994	10.088
10.190	3.774	3.230	2.102	1.254	.878	.906	.989	10.830
10.958	3.823	3.275	2.121	1.247	.863	.900	.987	11.604
11.760	3.867	3.318	2.140	1.242	.849	.894	.987	12.412
12.385	3.897	3.348	2.156	1.239	.839	.890	.988	13.042
13.254	3.932	3.385	2.177	1.237	.826	.885	.992	13.917
14.161	3.963	3.418	2.199	1.236	.814	.881	.996	14.831
15.090	3.988	3.448	2.221	1.237	.803	.877	1.000	15.767
16.041	4.008	3.475	2.243	1.239	.793	.873	1.004	16.726
16.770	4.019	3.492	2.259	1.241	.786	.870	1.007	17.460
17.766	4.029	3.512	2.279	1.245	.779	.865	1.010	18.463
18.792	4.035	3.528	2.298	1.249	.772	.861	1.013	19.497
19.849	4.039	3.541	2.315	1.254	.766	.857	1.014	20.562
20.942	4.041	3.549	2.331	1.259	.761	.853	1.016	21.664
21.787	4.042	3.553	2.343	1.263	.758	.850	1.017	22.514
22.947	4.043	3.556	2.357	1.269	.755	.846	1.018	23.683
24.149	4.043	3.556	2.371	1.274	.753	.843	1.018	24.894
25.395	4.042	3.555	2.385	1.279	.751	.840	1.018	26.150
26.688	4.040	3.553	2.398	1.284	.750	.837	1.018	27.452
27.689	4.039	3.550	2.408	1.288	.750	.835	1.018	28.461
29.068	4.036	3.547	2.421	1.293	.750	.832	1.017	29.850
30.500	4.033	3.542	2.434	1.297	.750	.330	1.016	31.293
31.986	4.029	3.538	2.446	1.302	.750	.828	1.015	32.790
33.529	4.026	3.534	2.456	1.305	.751	.827	1.013	34.345

MACH NO = 5.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
34.725	4.024	3.530	2.463	1.308	.752	.826	1.012	35.550
36.373	4.021	3.526	2.472	1.310	.753	.825	1.011	37.210
38.083	4.019	3.522	2.478	1.313	.754	.824	1.010	38.933
39.859	4.018	3.518	2.483	1.315	.755	.823	1.009	40.722
41.702	4.016	3.515	2.487	1.318	.756	.822	1.008	42.580
43.131	4.015	3.512	2.489	1.320	.757	.822	1.007	44.019
45.100	4.015	3.510	2.489	1.323	.758	.822	1.006	46.002
47.144	4.015	3.507	2.489	1.326	.760	.822	1.005	48.062
49.266	4.015	3.505	2.487	1.329	.761	.822	1.004	50.199
51.469	4.016	3.504	2.484	1.333	.763	.822	1.003	52.419
53.176	4.016	3.503	2.482	1.336	.764	.822	1.003	54.139
55.528	4.018	3.502	2.477	1.341	.765	.823	1.002	56.509
57.971	4.019	3.502	2.472	1.345	.766	.823	1.002	58.970
60.506	4.021	3.502	2.466	1.350	.768	.824	1.001	61.524
63.139	4.023	3.502	2.460	1.355	.769	.824	1.001	64.177
65.179	4.024	3.503	2.456	1.358	.770	.825	1.000	66.232
67.991	4.026	3.504	2.449	1.363	.770	.826	1.000	69.065
70.910	4.029	3.505	2.442	1.367	.771	.826	1.000	72.006
73.942	4.031	3.506	2.435	1.372	.772	.827	.999	75.061
77.090	4.033	3.508	2.428	1.376	.772	.828	.999	78.233
79.530	4.035	3.510	2.422	1.379	.773	.828	.999	80.692
82.894	4.037	3.512	2.415	1.383	.773	.829	.999	84.081
86.388	4.039	3.514	2.408	1.387	.773	.829	.998	87.601
90.017	4.041	3.516	2.401	1.390	.773	.830	.998	91.257
93.788	4.042	3.518	2.394	1.393	.773	.830	.998	95.056
96.711	4.044	3.520	2.389	1.395	.773	.831	.998	98.001
100.742	4.045	3.522	2.382	1.398	.773	.831	.998	102.062
104.929	4.046	3.524	2.376	1.400	.773	.832	.997	106.281
109.281	4.048	3.526	2.370	1.403	.773	.832	.997	110.665
113.803	4.049	3.527	2.364	1.405	.772	.833	.997	115.221
117.310	4.049	3.529	2.360	1.406	.772	.833	.997	118.755
122.147	4.050	3.530	2.355	1.408	.772	.834	.996	123.628
127.174	4.050	3.532	2.350	1.409	.772	.834	.996	128.693
132.399	4.051	3.533	2.345	1.410	.772	.834	.996	133.957
137.830	4.051	3.534	2.341	1.412	.772	.835	.996	139.429
142.044	4.051	3.535	2.338	1.412	.772	.835	.995	143.675
147.856	4.051	3.536	2.334	1.413	.772	.836	.995	149.530
153.898	4.051	3.536	2.331	1.414	.772	.836	.995	155.618
160.179	4.050	3.537	2.328	1.415	.772	.837	.995	161.946
166.709	4.050	3.537	2.326	1.415	.772	.837	.995	168.525
171.776	4.050	3.537	2.324	1.416	.772	.837	.995	173.629
178.765	4.049	3.538	2.322	1.416	.772	.838	.995	180.671
186.032	4.048	3.538	2.321	1.416	.772	.838	.995	187.993
193.587	4.047	3.537	2.320	1.416	.773	.838	.995	195.604
201.441	4.047	3.537	2.319	1.416	.773	.839	.995	203.518

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.854	16.951	15.600	12.369	8.927	6.364	4.920	4.469	1.424
1.011	15.180	13.916	10.927	7.819	5.563	4.318	3.934	1.583
1.268	14.187	12.964	10.112	7.212	5.136	4.000	3.653	1.842
1.579	13.102	11.938	9.256	6.616	4.788	3.810	3.514	2.155
1.943	11.998	10.895	8.381	5.976	4.385	3.592	3.369	2.521
2.359	11.038	9.922	7.523	5.354	3.999	3.377	3.228	2.940
2.820	10.284	9.156	6.809	4.792	3.621	3.170	3.086	3.405
3.318	9.759	8.589	6.249	4.330	3.255	2.947	2.938	3.906
3.951	9.390	8.140	5.744	3.873	2.891	2.676	2.737	4.544
4.497	9.261	7.922	5.442	3.576	2.648	2.481	2.568	5.095
5.052	9.258	7.814	5.223	3.347	2.446	2.322	2.421	5.654
5.610	9.354	7.793	5.070	3.166	2.276	2.190	2.302	6.216
6.169	9.526	7.840	4.966	3.020	2.136	2.076	2.203	6.779
6.725	9.751	7.940	4.901	2.903	2.022	1.977	2.114	7.339
7.276	10.010	8.081	4.865	2.809	1.927	1.889	2.032	7.895
7.823	10.288	8.251	4.854	2.733	1.847	1.814	1.957	8.446
8.364	10.581	8.442	4.861	2.670	1.778	1.750	1.889	8.990
9.004	10.951	8.689	4.889	2.608	1.704	1.684	1.820	9.635
9.531	11.270	8.907	4.926	2.566	1.649	1.638	1.773	10.166
10.052	11.590	9.136	4.974	2.530	1.599	1.598	1.735	10.691
10.570	11.903	9.375	5.030	2.500	1.553	1.562	1.704	11.213
11.085	12.197	9.621	5.095	2.473	1.511	1.530	1.679	11.732
11.601	12.465	9.871	5.167	2.451	1.472	1.500	1.658	12.252
12.119	12.701	10.120	5.245	2.432	1.436	1.473	1.640	12.774
12.643	12.900	10.363	5.330	2.417	1.401	1.447	1.624	13.302
13.177	13.058	10.597	5.421	2.405	1.368	1.422	1.608	13.840
13.835	13.195	10.857	5.537	2.394	1.328	1.392	1.591	14.503
14.403	13.265	11.050	5.641	2.389	1.296	1.368	1.578	15.075
14.993	13.298	11.216	5.752	2.387	1.265	1.344	1.565	15.669
15.609	13.301	11.350	5.868	2.387	1.233	1.320	1.553	16.290
16.258	13.282	11.449	5.991	2.391	1.202	1.296	1.542	16.944
16.944	13.251	11.508	6.120	2.399	1.172	1.271	1.533	17.635
17.674	13.215	11.526	6.254	2.410	1.142	1.246	1.525	18.370
18.454	13.179	11.506	6.392	2.425	1.113	1.219	1.519	19.156
19.289	13.145	11.453	6.533	2.444	1.085	1.192	1.515	19.997
20.369	13.113	11.362	6.702	2.474	1.054	1.158	1.511	21.086
21.345	13.097	11.271	6.835	2.503	1.032	1.128	1.507	22.069
22.397	13.088	11.175	6.956	2.538	1.012	1.097	1.501	23.130
23.527	13.084	11.085	7.059	2.577	.997	1.065	1.492	24.268
24.709	13.082	11.012	7.139	2.618	.985	1.035	1.480	25.459
25.934	13.080	10.957	7.194	2.660	.977	1.006	1.464	26.692
27.201	13.074	10.916	7.223	2.702	.972	.979	1.445	27.969
28.514	13.065	10.887	7.231	2.745	.969	.954	1.424	29.292
29.873	13.052	10.867	7.223	2.788	.969	.931	1.402	30.661

MACH NO = 10.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
31.569	13.032	10.852	7.197	2.841	.972	.907	1.374	32.370
33.039	13.015	10.845	7.165	2.886	.976	.889	1.352	33.851
34.564	12.998	10.843	7.126	2.931	.983	.873	1.329	35.388
36.146	12.982	10.844	7.083	2.977	.991	.859	1.307	36.981
37.788	12.970	10.848	7.036	3.021	1.001	.847	1.286	38.635
39.491	12.962	10.854	6.988	3.062	1.012	.836	1.266	40.351
41.259	12.959	10.861	6.939	3.101	1.023	.827	1.247	42.132
43.093	12.960	10.868	6.890	3.136	1.035	.819	1.229	43.980
44.995	12.967	10.876	6.841	3.167	1.047	.811	1.212	45.897
47.372	12.979	10.887	6.783	3.200	1.062	.804	1.193	48.292
49.434	12.993	10.897	6.735	3.223	1.073	.798	1.178	50.369
51.571	13.008	10.908	6.688	3.243	1.084	.793	1.164	52.522
53.787	13.025	10.920	6.642	3.259	1.094	.788	1.151	54.755
56.085	13.043	10.933	6.598	3.272	1.104	.783	1.138	57.070
58.467	13.060	10.947	6.554	3.281	1.112	.779	1.127	59.470
60.937	13.077	10.962	6.512	3.288	1.120	.775	1.116	61.959
63.499	13.092	10.978	6.471	3.292	1.126	.771	1.106	64.540
66.156	13.106	10.995	6.431	3.293	1.131	.768	1.097	67.217
69.477	13.121	11.014	6.386	3.292	1.136	.764	1.086	70.563
72.360	13.132	11.031	6.351	3.290	1.140	.761	1.077	73.467
75.352	13.141	11.046	6.318	3.285	1.143	.758	1.069	76.482
78.459	13.148	11.061	6.287	3.279	1.146	.755	1.062	79.612
81.686	13.154	11.075	6.259	3.272	1.149	.753	1.054	82.863
85.038	13.158	11.087	6.233	3.264	1.152	.751	1.047	86.241
88.521	13.161	11.097	6.211	3.255	1.154	.749	1.041	89.750
92.141	13.162	11.106	6.191	3.245	1.156	.748	1.035	93.397
95.903	13.163	11.114	6.174	3.235	1.158	.747	1.030	97.187
100.613	13.162	11.120	6.158	3.222	1.160	.746	1.024	101.932
104.709	13.160	11.124	6.147	3.212	1.162	.746	1.020	106.059
108.967	13.158	11.126	6.140	3.201	1.163	.746	1.016	110.349
113.394	13.155	11.126	6.135	3.190	1.164	.746	1.013	114.809
117.995	13.151	11.126	6.133	3.179	1.165	.747	1.010	119.445
122.780	13.147	11.124	6.134	3.169	1.166	.747	1.007	124.266
127.753	13.143	11.121	6.137	3.158	1.167	.748	1.005	129.276
132.923	13.138	11.117	6.143	3.148	1.167	.748	1.003	134.485
138.298	13.133	11.113	6.151	3.137	1.168	.749	1.001	139.900
145.028	13.126	11.107	6.163	3.125	1.169	.750	.999	146.681
150.880	13.121	11.102	6.175	3.115	1.169	.750	.997	152.577
156.962	13.115	11.096	6.189	3.106	1.170	.751	.996	158.705
163.283	13.109	11.089	6.204	3.096	1.170	.751	.994	165.073
169.852	13.104	11.083	6.221	3.087	1.170	.752	.993	171.691
176.677	13.098	11.076	6.239	3.077	1.170	.752	.992	178.568
183.768	13.093	11.070	6.258	3.068	1.170	.752	.990	185.712
191.136	13.087	11.063	6.277	3.059	1.170	.752	.989	193.135
200.355	13.081	11.055	6.301	3.048	1.169	.752	.988	202.424

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.856	36.847	33.864	26.749	19.201	13.610	10.476	9.500	1.426
1.057	32.559	29.784	23.259	16.528	11.678	9.023	8.208	1.628
1.377	29.749	27.116	21.036	14.956	10.665	8.332	7.619	1.951
1.771	26.687	24.239	18.645	13.260	9.638	7.773	7.226	2.348
2.156	24.296	21.980	16.728	11.844	8.723	7.244	6.861	2.736
2.676	22.023	19.603	14.586	10.267	7.725	6.686	6.471	3.260
3.248	20.420	17.938	13.012	8.991	6.753	6.097	6.070	3.837
3.854	19.458	16.822	11.822	7.961	5.942	5.495	5.614	4.447
4.374	19.052	16.235	11.099	7.285	5.400	5.059	5.233	4.971
5.003	18.935	15.850	10.469	6.666	4.867	4.638	4.845	5.605
5.630	19.131	15.732	10.040	6.194	4.437	4.299	4.540	6.237
6.250	19.547	15.816	9.753	5.828	4.097	4.011	4.285	6.861
6.757	20.000	15.999	9.598	5.587	3.870	3.803	4.092	7.372
7.353	20.618	16.313	9.485	5.357	3.647	3.589	3.879	7.972
7.932	21.298	16.694	9.434	5.173	3.461	3.410	3.689	8.556
8.495	22.052	17.121	9.428	5.024	3.302	3.261	3.527	9.122
8.950	22.737	17.510	9.450	4.920	3.185	3.155	3.414	9.581
9.481	23.609	18.021	9.504	4.813	3.060	3.047	3.301	10.116
9.996	24.502	18.583	9.583	4.723	2.950	2.953	3.210	10.635
10.499	25.376	19.193	9.683	4.646	2.853	2.871	3.136	11.142
10.991	26.197	19.842	9.799	4.580	2.766	2.798	3.073	11.637
11.395	26.820	20.402	9.908	4.532	2.699	2.742	3.026	12.044
11.875	27.477	21.084	10.051	4.483	2.625	2.679	2.976	12.528
12.354	28.024	21.763	10.208	4.441	2.555	2.621	2.929	13.011
12.835	28.453	22.423	10.378	4.407	2.488	2.566	2.885	13.495
13.240	28.717	22.946	10.532	4.382	2.434	2.522	2.850	13.903
13.735	28.924	23.530	10.732	4.358	2.370	2.471	2.810	14.402
14.242	29.018	24.051	10.952	4.338	2.307	2.421	2.773	14.913
14.768	29.015	24.494	11.193	4.323	2.243	2.373	2.738	15.443
15.224	28.953	24.793	11.414	4.314	2.190	2.333	2.711	15.902
15.797	28.827	25.052	11.704	4.307	2.125	2.285	2.683	16.479
16.404	28.659	25.189	12.025	4.304	2.059	2.236	2.660	17.091
17.052	28.469	25.200	12.378	4.307	1.992	2.187	2.642	17.744
17.622	28.316	25.118	12.693	4.313	1.936	2.144	2.631	18.318
18.342	28.166	24.922	13.090	4.326	1.869	2.091	2.622	19.044
19.112	28.078	24.633	13.500	4.346	1.804	2.035	2.616	19.820
19.943	28.055	24.273	13.909	4.375	1.741	1.974	2.610	20.657
20.846	28.080	23.888	14.298	4.413	1.682	1.908	2.602	21.566
21.662	28.117	23.588	14.590	4.454	1.637	1.849	2.591	22.389
22.731	28.164	23.288	14.873	4.515	1.591	1.773	2.569	23.466
23.893	28.202	23.076	15.056	4.590	1.554	1.695	2.537	24.636
25.146	28.222	22.952	15.128	4.679	1.527	1.618	2.493	25.899
26.255	28.226	22.901	15.114	4.768	1.511	1.555	2.448	27.026
27.666	28.211	22.884	15.035	4.889	1.501	1.485	2.389	28.438

MACH NO = 15.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.121	28.163	22.895	14.906	5.026	1.500	1.424	2.327	29.904
30.635	28.083	22.922	14.743	5.177	1.505	1.370	2.263	31.429
31.944	28.008	22.958	14.596	5.309	1.514	1.331	2.210	32.747
33.575	27.929	23.010	14.417	5.469	1.529	1.289	2.147	34.391
35.277	27.871	23.062	14.246	5.618	1.547	1.253	2.085	36.106
37.052	27.838	23.105	14.085	5.750	1.568	1.223	2.026	37.894
38.589	27.828	23.132	13.960	5.845	1.585	1.200	1.979	39.442
40.505	27.837	23.156	13.816	5.941	1.606	1.176	1.925	41.373
42.501	27.866	23.174	13.680	6.017	1.627	1.154	1.874	43.384
44.580	27.910	23.190	13.548	6.075	1.647	1.135	1.826	45.478
46.742	27.964	23.207	13.422	6.117	1.668	1.118	1.782	47.657
48.610	28.011	23.223	13.320	6.141	1.685	1.105	1.747	49.539
50.934	28.065	23.243	13.203	6.160	1.705	1.091	1.708	51.880
53.350	28.114	23.269	13.091	6.169	1.724	1.079	1.672	54.315
55.864	28.157	23.300	12.985	6.169	1.742	1.067	1.639	56.848
58.037	28.187	23.331	12.900	6.164	1.756	1.058	1.613	59.036
60.741	28.217	23.373	12.802	6.151	1.771	1.047	1.584	61.762
63.559	28.241	23.418	12.709	6.131	1.784	1.037	1.556	64.600
66.495	28.260	23.464	12.622	6.105	1.795	1.027	1.529	67.558
69.037	28.274	23.503	12.553	6.079	1.803	1.018	1.508	70.119
72.207	28.287	23.547	12.477	6.045	1.813	1.008	1.483	73.314
75.515	28.298	23.587	12.407	6.007	1.821	.999	1.458	76.646
79.968	28.308	23.623	12.346	5.968	1.830	.989	1.435	80.125
81.960	28.314	23.649	12.301	5.935	1.837	.982	1.417	83.139
85.695	28.319	23.673	12.256	5.895	1.845	.974	1.395	86.903
89.595	28.322	23.692	12.221	5.856	1.852	.967	1.375	90.832
93.667	28.322	23.704	12.195	5.816	1.857	.960	1.357	94.934
97.919	28.320	23.711	12.180	5.777	1.859	.954	1.339	99.218
101.605	28.316	23.713	12.174	5.746	1.860	.950	1.326	102.932
106.207	28.309	23.712	12.175	5.709	1.860	.945	1.311	107.569
111.013	28.300	23.706	12.185	5.674	1.859	.940	1.297	112.411
116.031	28.289	23.698	12.204	5.640	1.858	.936	1.284	117.466
120.381	28.279	23.689	12.225	5.613	1.857	.933	1.274	121.849
125.812	28.266	23.676	12.256	5.583	1.855	.930	1.263	127.321
131.483	28.252	23.661	12.294	5.553	1.853	.927	1.253	133.034
137.402	28.238	23.645	12.338	5.526	1.851	.925	1.244	138.998
142.532	28.225	23.630	12.379	5.504	1.848	.923	1.236	144.166
148.935	28.211	23.612	12.431	5.479	1.845	.921	1.228	150.618
155.617	28.196	23.594	12.488	5.455	1.842	.919	1.221	157.350
162.590	28.182	23.575	12.547	5.432	1.838	.918	1.214	164.375
168.631	28.171	23.559	12.599	5.413	1.835	.916	1.208	170.461
176.167	28.157	23.539	12.662	5.392	1.831	.915	1.202	178.054
184.027	28.145	23.520	12.727	5.372	1.827	.913	1.196	185.973
192.225	28.133	23.501	12.793	5.352	1.822	.911	1.190	194.232
200.772	28.122	23.482	12.859	5.333	1.817	.909	1.185	202.844

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	90.656	73.042	53.754	38.976	30.488	27.797	1.297
.889	61.648	56.530	44.383	31.636	22.300	17.111	15.502	1.460
1.104	56.369	51.508	40.112	28.424	20.036	15.458	14.057	1.676
1.433	51.229	46.644	36.099	25.637	18.312	14.351	13.143	2.008
1.836	45.754	41.506	31.836	22.595	16.440	13.317	12.415	2.414
2.309	40.883	36.752	27.763	19.624	14.555	12.220	11.649	2.890
2.842	37.161	32.946	24.295	16.987	12.788	11.225	10.949	3.427
3.419	34.644	30.258	21.704	14.882	11.148	10.155	10.202	4.008
4.022	33.175	28.490	19.785	13.187	9.827	9.130	9.377	4.616
4.637	32.536	27.439	18.411	11.906	8.777	8.292	8.618	5.236
5.252	32.536	26.932	17.448	10.941	7.928	7.627	8.010	5.856
5.860	33.013	26.837	16.785	10.195	7.249	7.076	7.520	6.468
6.554	33.954	27.106	16.284	9.533	6.638	6.533	7.026	7.167
7.131	34.940	27.555	16.025	9.100	6.229	6.142	6.642	7.749
7.691	36.037	28.126	15.879	8.756	5.893	5.814	6.298	8.313
8.232	37.270	28.777	15.815	8.476	5.606	5.541	6.001	8.857
8.753	38.656	29.500	15.814	8.244	5.358	5.313	5.752	9.382
9.254	40.171	30.310	15.863	8.049	5.141	5.120	5.548	9.888
9.738	41.758	31.217	15.955	7.883	4.952	4.955	5.382	10.375
10.206	43.348	32.220	16.080	7.741	4.786	4.810	5.244	10.847
10.660	44.877	33.306	16.233	7.619	4.638	4.681	5.127	11.304
11.103	46.296	34.454	16.410	7.514	4.505	4.565	5.025	11.750
11.538	47.565	35.643	16.608	7.424	4.384	4.459	4.933	12.188
12.038	48.824	37.047	16.863	7.335	4.252	4.345	4.835	12.692
12.464	49.694	38.238	17.103	7.270	4.146	4.253	4.757	13.121
12.890	50.360	39.393	17.364	7.214	4.043	4.167	4.682	13.551
13.321	50.821	40.488	17.648	7.165	3.943	4.085	4.612	13.985
13.757	51.085	41.502	17.959	7.122	3.844	4.005	4.545	14.425
14.205	51.170	42.415	18.301	7.086	3.746	3.928	4.483	14.875
14.666	51.103	43.200	18.680	7.054	3.647	3.853	4.426	15.340
15.146	50.908	43.830	19.102	7.027	3.546	3.779	4.374	15.824
15.649	50.607	44.277	19.574	7.005	3.444	3.706	4.328	16.331
16.181	50.224	44.521	20.103	6.989	3.339	3.631	4.290	16.866
16.744	49.797	44.549	20.694	6.978	3.232	3.556	4.259	17.434
17.436	49.342	44.318	21.449	6.974	3.106	3.466	4.234	18.131
18.064	49.056	43.899	22.145	6.978	2.998	3.385	4.219	18.763
18.731	48.907	43.296	22.876	6.992	2.891	3.299	4.208	19.436
19.447	48.891	42.558	23.625	7.016	2.785	3.207	4.199	20.157
20.220	48.972	41.774	24.363	7.053	2.683	3.105	4.186	20.936
21.061	49.108	41.040	25.049	7.103	2.587	2.994	4.166	21.783
21.981	49.252	40.425	25.627	7.171	2.501	2.873	4.134	22.710
22.989	49.368	39.974	26.031	7.257	2.426	2.744	4.086	23.726
24.059	49.454	39.718	26.228	7.364	2.367	2.615	4.023	24.804
25.197	49.508	39.610	26.233	7.496	2.322	2.488	3.945	25.950
26.420	49.524	39.601	26.084	7.665	2.291	2.366	3.855	27.182

MACH NO = 20.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
27.977	49.432	39.662	25.753	7.921	2.273	2.233	3.738	28.751
29.384	49.256	39.764	25.390	8.185	2.275	2.132	3.634	30.169
30.848	49.047	39.894	24.999	8.479	2.288	2.045	3.528	31.643
32.372	48.865	40.040	24.620	8.786	2.312	1.971	3.422	33.179
33.960	48.730	40.172	24.272	9.082	2.341	1.907	3.316	34.779
35.616	48.650	40.274	23.962	9.364	2.372	1.851	3.212	36.448
37.342	48.620	40.341	23.682	9.565	2.403	1.802	3.109	38.187
39.140	48.640	40.379	23.424	9.745	2.432	1.758	3.010	39.998
41.012	48.704	40.401	23.179	9.881	2.461	1.719	2.915	41.883
42.957	48.803	40.416	22.945	9.978	2.488	1.683	2.825	43.843
44.977	48.916	40.428	22.720	10.042	2.515	1.652	2.741	45.879
47.432	49.046	40.443	22.470	10.084	2.546	1.619	2.651	48.352
49.623	49.146	40.465	22.269	10.099	2.572	1.594	2.580	50.560
51.898	49.230	40.500	22.079	10.099	2.597	1.572	2.515	52.851
54.260	49.296	40.551	21.900	10.085	2.622	1.551	2.455	55.231
56.715	49.347	40.616	21.731	10.055	2.644	1.531	2.400	57.704
59.267	49.383	40.692	21.572	10.012	2.664	1.512	2.347	60.276
61.922	49.409	40.774	21.420	9.956	2.682	1.494	2.297	62.951
64.687	49.431	40.859	21.277	9.888	2.698	1.476	2.249	65.736
67.566	49.450	40.945	21.143	9.813	2.714	1.458	2.202	68.637
70.566	49.469	41.027	21.017	9.735	2.728	1.441	2.157	71.660
73.693	49.488	41.101	20.902	9.655	2.743	1.424	2.113	74.811
77.510	49.508	41.175	20.784	9.562	2.760	1.404	2.064	78.656
80.932	49.524	41.226	20.700	9.482	2.773	1.388	2.023	82.104
84.501	49.537	41.266	20.634	9.402	2.783	1.373	1.985	85.699
88.222	49.544	41.294	20.584	9.324	2.790	1.359	1.949	89.448
92.102	49.547	41.311	20.553	9.248	2.793	1.345	1.914	93.357
96.147	49.544	41.319	20.539	9.174	2.792	1.332	1.882	97.433
100.366	49.535	41.319	20.541	9.103	2.789	1.319	1.851	101.683
104.765	49.522	41.311	20.560	9.035	2.784	1.307	1.823	106.115
109.352	49.505	41.298	20.593	8.971	2.779	1.295	1.796	110.737
114.134	49.484	41.280	20.641	8.910	2.775	1.285	1.770	115.555
119.122	49.461	41.258	20.702	8.853	2.769	1.275	1.746	120.580
125.210	49.432	41.228	20.788	8.792	2.762	1.265	1.720	126.714
130.669	49.407	41.200	20.873	8.743	2.754	1.257	1.700	132.214
136.360	49.381	41.169	20.968	8.697	2.744	1.249	1.680	137.948
142.292	49.355	41.137	21.071	8.655	2.734	1.242	1.662	143.924
148.474	49.330	41.103	21.180	8.615	2.723	1.236	1.645	150.153
154.917	49.306	41.068	21.295	8.578	2.712	1.230	1.630	156.644
161.630	49.282	41.033	21.414	8.543	2.702	1.225	1.615	163.407
168.623	49.259	40.997	21.536	8.509	2.691	1.220	1.602	170.453
175.907	49.238	40.961	21.661	8.478	2.680	1.215	1.589	177.791
183.492	49.217	40.926	21.787	8.446	2.669	1.210	1.577	185.434
191.391	49.198	40.891	21.913	8.420	2.659	1.205	1.566	193.392
201.018	49.176	40.850	22.061	8.389	2.647	1.200	1.554	203.091

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	152.229	140.865	113.431	83.400	60.421	47.223	43.052	1.297
.889	95.792	87.818	68.903	49.068	34.553	26.494	23.994	1.460
1.103	87.560	79.992	62.259	44.084	31.049	23.936	21.761	1.675
1.431	79.493	72.363	55.971	39.722	28.350	22.203	20.331	2.006
1.906	69.541	63.016	48.223	34.176	24.910	20.284	18.970	2.484
2.388	62.195	55.701	41.907	29.596	22.029	18.606	17.789	2.969
2.926	56.626	50.081	36.771	25.626	19.280	17.039	16.690	3.512
3.504	52.931	46.095	32.875	22.449	16.800	15.360	15.494	4.094
4.207	50.587	43.164	29.627	19.550	14.535	13.574	14.004	4.802
4.817	49.884	41.777	27.687	17.729	13.012	12.370	12.899	5.417
5.424	50.095	41.164	26.332	16.344	11.780	11.403	12.023	6.028
6.020	50.967	41.135	25.394	15.267	10.802	10.589	11.300	6.629
6.698	52.483	41.629	24.688	14.310	9.921	9.785	10.553	7.312
7.260	54.008	42.343	24.321	13.681	9.327	9.209	9.975	7.879
7.803	55.714	43.212	24.111	13.177	8.833	8.727	9.461	8.426
8.411	58.001	44.364	24.011	12.701	8.345	8.266	8.956	9.038
8.910	60.228	45.481	24.019	12.366	7.986	7.940	8.602	9.541
9.389	62.638	46.745	24.097	12.082	7.673	7.662	8.312	10.023
9.850	65.132	48.165	24.233	11.839	7.400	7.421	8.073	10.488
10.368	68.009	50.007	24.449	11.599	7.123	7.177	7.841	11.010
10.797	70.347	51.717	24.675	11.423	6.914	6.991	7.672	11.442
11.216	72.494	53.515	24.933	11.272	6.724	6.823	7.522	11.864
11.626	74.401	55.366	25.219	11.142	6.550	6.668	7.385	12.277
12.098	76.279	57.543	25.587	11.012	6.360	6.500	7.238	12.752
12.499	77.566	59.386	25.931	10.916	6.206	6.367	7.119	13.157
12.900	78.543	61.173	26.305	10.832	6.056	6.240	7.007	13.561
13.371	79.293	63.146	26.783	10.745	5.886	6.100	6.884	14.035
13.781	79.621	64.709	27.234	10.679	5.742	5.984	6.784	14.449
14.201	79.690	66.118	27.732	10.621	5.598	5.873	6.691	14.871
14.633	79.531	67.337	28.284	10.568	5.453	5.764	6.606	15.307
15.158	79.097	68.461	29.013	10.515	5.282	5.638	6.516	15.836
15.632	78.542	69.125	29.721	10.475	5.131	5.532	6.450	16.313
16.131	77.856	69.479	30.520	10.442	4.977	5.424	6.394	16.816
16.659	77.118	69.505	31.414	10.417	4.820	5.315	6.348	17.348
17.302	76.355	69.119	32.561	10.399	4.635	5.185	6.310	17.996
17.885	75.887	68.427	33.626	10.394	4.476	5.069	6.286	18.583
18.502	75.645	67.430	34.756	10.401	4.316	4.947	6.269	19.205
19.161	75.621	66.213	35.929	10.422	4.158	4.814	6.254	19.869
19.995	75.804	64.697	37.306	10.467	3.977	4.644	6.231	20.709
20.775	76.067	63.480	38.425	10.525	3.831	4.482	6.202	21.495
21.626	76.345	62.449	39.393	10.602	3.695	4.305	6.156	22.352
22.706	76.610	61.590	40.192	10.722	3.557	4.085	6.076	23.440
23.679	76.772	61.191	40.526	10.848	3.461	3.896	5.987	24.421
24.707	76.893	61.031	40.564	11.008	3.384	3.710	5.880	25.457
25.804	76.961	61.035	40.356	11.217	3.326	3.529	5.757	26.562

MACH NO = 25.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.196	76.871	61.158	39.852	11.546	3.283	3.328	5.598	27.964
28.509	76.586	61.335	39.237	11.916	3.271	3.167	5.449	29.287
29.908	76.213	61.580	38.552	12.361	3.282	3.024	5.293	30.696
31.363	75.869	61.856	37.884	12.851	3.312	2.901	5.136	32.162
33.138	75.567	62.152	37.187	13.420	3.361	2.780	4.949	33.951
34.729	75.409	62.348	36.672	13.861	3.408	2.691	4.787	35.554
36.388	75.340	62.469	36.220	14.236	3.454	2.612	4.626	37.225
38.410	75.369	62.537	35.744	14.582	3.503	2.531	4.440	39.263
40.219	75.486	62.559	35.361	14.799	3.542	2.468	4.287	41.085
42.099	75.660	62.567	34.993	14.948	3.580	2.412	4.141	42.979
44.049	75.853	62.568	34.640	15.043	3.616	2.361	4.004	44.944
46.416	76.071	62.569	34.251	15.100	3.658	2.309	3.858	47.329
48.527	76.234	62.586	33.938	15.116	3.692	2.269	3.745	49.455
50.716	76.366	62.629	33.643	15.108	3.726	2.234	3.641	51.661
52.988	76.467	62.700	33.369	15.077	3.756	2.201	3.547	53.990
55.748	76.545	62.815	33.071	15.011	3.789	2.165	3.445	56.751
58.214	76.587	62.934	32.834	14.927	3.813	2.136	3.363	59.215
60.779	76.616	63.064	32.610	14.821	3.835	2.107	3.285	61.799
63.447	76.639	63.201	32.397	14.696	3.856	2.079	3.209	64.488
66.699	76.667	63.361	32.163	14.541	3.879	2.047	3.124	67.764
69.612	76.694	63.492	31.974	14.406	3.899	2.019	3.052	70.699
72.647	76.724	63.610	31.800	14.272	3.920	1.992	2.983	73.756
76.348	76.760	63.726	31.624	14.117	3.942	1.962	2.906	77.485
79.665	76.790	63.806	31.498	13.985	3.958	1.936	2.843	80.827
83.121	76.814	63.868	31.399	13.855	3.969	1.912	2.783	84.309
86.722	76.830	63.911	31.327	13.727	3.973	1.888	2.726	87.938
91.116	76.838	63.941	31.279	13.583	3.971	1.862	2.663	92.364
95.053	76.834	63.951	31.267	13.465	3.965	1.839	2.613	96.330
99.155	76.821	63.948	31.281	13.351	3.956	1.817	2.565	100.464
103.430	76.799	63.935	31.319	13.244	3.948	1.797	2.520	104.771
108.646	76.765	63.909	31.394	13.127	3.939	1.774	2.470	110.026
113.320	76.731	63.879	31.482	13.033	3.929	1.756	2.430	114.735
118.191	76.694	63.842	31.590	12.946	3.917	1.739	2.392	119.643
124.133	76.648	63.794	31.739	12.853	3.899	1.720	2.350	125.629
129.457	76.608	63.748	31.886	12.780	3.880	1.706	2.317	130.993
135.003	76.568	63.699	32.046	12.712	3.859	1.692	2.286	136.581
140.781	76.528	63.647	32.218	12.650	3.838	1.680	2.256	142.402
147.825	76.484	63.584	32.430	12.583	3.814	1.666	2.224	149.499
154.133	76.447	63.528	32.621	12.530	3.794	1.655	2.199	155.854
160.701	76.411	63.472	32.818	12.480	3.774	1.645	2.175	162.471
167.538	76.377	63.414	33.019	12.435	3.754	1.636	2.153	169.360
175.867	76.339	63.348	33.257	12.385	3.732	1.626	2.129	177.752
183.322	76.308	63.291	33.463	12.345	3.713	1.617	2.111	185.263
191.078	76.278	63.235	33.669	12.308	3.695	1.609	2.093	193.077
200.523	76.246	63.171	33.908	12.266	3.674	1.600	2.073	202.593

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.890	137.530	126.065	98.874	70.375	49.532	37.963	34.376	1.460
1.103	125.687	114.810	89.332	63.226	44.510	34.300	31.179	1.675
1.492	111.984	101.865	78.664	55.824	39.961	31.442	28.853	2.067
1.904	99.689	90.324	69.101	48.954	35.669	29.032	27.148	2.482
2.384	89.086	79.776	60.006	42.363	31.522	26.614	25.441	2.966
3.014	79.962	70.539	51.567	35.824	26.931	23.962	23.584	3.600
3.595	75.005	65.128	46.192	31.404	23.484	21.547	21.825	4.186
4.297	71.947	61.185	41.745	27.412	20.354	19.061	19.703	4.893
4.904	71.128	59.353	39.089	24.909	18.238	17.397	18.172	5.504
5.505	71.563	58.584	37.232	22.993	16.531	16.049	16.958	6.110
6.192	73.171	58.681	35.776	21.288	14.984	14.734	15.783	6.803
6.765	75.083	59.364	34.976	20.177	13.962	13.782	14.883	7.379
7.318	77.260	60.387	34.470	19.302	13.135	12.977	14.066	7.937
7.939	80.148	61.829	34.145	18.493	12.340	12.205	13.235	8.563
8.449	83.010	63.230	34.033	17.930	11.761	11.662	12.638	9.076
9.017	86.794	65.092	34.049	17.387	11.182	11.136	12.071	9.649
9.483	90.301	66.923	34.165	16.997	10.755	10.756	11.678	10.118
9.930	93.898	68.982	34.357	16.663	10.382	10.425	11.352	10.569
10.433	98.017	71.645	34.658	16.331	10.003	10.088	11.033	11.075
10.849	101.346	74.108	34.970	16.089	9.715	9.831	10.798	11.494
11.321	104.869	77.129	35.386	15.848	9.413	9.560	10.555	11.970
11.717	107.508	79.789	35.784	15.672	9.176	9.347	10.364	12.369
12.108	109.750	82.461	36.217	15.518	8.952	9.149	10.187	12.763
12.560	111.828	85.534	36.768	15.361	8.703	8.933	9.992	13.218
12.947	113.135	88.080	37.284	15.244	8.497	8.758	9.835	13.608
13.337	114.008	90.503	37.845	15.138	8.295	8.592	9.686	14.001
13.798	114.517	93.121	38.566	15.027	8.062	8.405	9.523	14.465
14.202	114.560	95.135	39.254	14.942	7.862	8.251	9.394	14.873
14.689	114.210	97.140	40.155	14.852	7.627	8.075	9.255	15.364
15.125	113.602	98.499	41.029	14.783	7.423	7.927	9.149	15.802
15.580	112.745	99.466	42.014	14.722	7.215	7.780	9.056	16.261
16.142	111.510	100.043	43.327	14.661	6.966	7.606	8.965	16.828
16.651	110.398	100.030	44.597	14.620	6.747	7.456	8.903	17.340
17.181	109.422	99.535	45.985	14.592	6.528	7.303	8.856	17.874
17.832	108.618	98.338	47.746	14.574	6.271	7.118	8.816	18.529
18.425	108.286	95.829	49.364	14.576	6.049	6.950	8.790	19.127
19.167	108.298	94.688	51.340	14.601	5.790	6.736	8.763	19.875
19.856	108.572	92.757	53.056	14.645	5.573	6.533	8.735	20.569
20.602	108.992	90.943	54.706	14.712	5.363	6.310	8.693	21.320
21.557	109.508	89.165	56.373	14.822	5.136	6.023	8.618	22.282
22.437	109.872	88.084	57.402	14.945	4.965	5.762	8.526	23.169
23.510	110.175	87.390	58.017	15.120	4.800	5.458	8.387	24.251
24.482	110.377	87.177	58.088	15.315	4.685	5.200	8.243	25.229
25.515	110.506	87.201	57.802	15.577	4.595	4.949	8.080	26.270

MACH NO = 30.00 CONE ANGLE = 7.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
26.819	110.415	87.409	57.085	15.992	4.523	4.668	7.869	27.584
28.044	110.025	87.689	56.199	16.469	4.495	4.442	7.671	28.819
29.389	109.446	88.059	55.154	17.079	4.499	4.232	7.459	30.173
31.048	108.819	88.570	53.955	17.902	4.544	4.022	7.203	31.845
32.535	108.404	88.976	53.040	18.622	4.603	3.870	6.978	33.343
34.349	108.100	89.346	52.140	19.393	4.681	3.718	6.709	35.170
35.975	107.989	89.535	51.482	19.951	4.746	3.604	6.476	36.809
37.669	108.012	89.618	50.889	20.399	4.806	3.502	6.243	38.515
39.730	108.209	89.646	50.243	20.781	4.868	3.394	5.979	40.593
41.571	108.477	89.644	49.713	20.997	4.918	3.312	5.763	42.447
43.806	108.820	89.624	49.121	21.148	4.975	3.226	5.529	44.699
45.798	109.099	89.610	48.641	21.210	5.022	3.161	5.347	46.706
47.863	109.341	89.620	48.189	21.228	5.068	3.104	5.181	48.786
50.367	109.562	89.683	47.699	21.206	5.118	3.044	5.006	51.309
52.600	109.697	89.784	47.311	21.150	5.157	2.997	4.871	53.559
54.918	109.782	89.924	46.951	21.057	5.190	2.953	4.746	55.894
57.736	109.837	90.124	46.564	20.900	5.224	2.904	4.609	58.733
60.255	109.867	90.313	46.254	20.727	5.249	2.863	4.497	61.271
63.322	109.897	90.547	45.912	20.496	5.277	2.816	4.370	64.361
66.067	109.927	90.748	45.633	20.291	5.301	2.775	4.265	67.127
68.926	109.963	90.939	45.367	20.088	5.327	2.735	4.163	70.008
72.411	110.015	91.137	45.083	19.855	5.357	2.690	4.047	73.519
75.533	110.064	91.280	44.871	19.657	5.380	2.652	3.952	76.664
78.785	110.112	91.396	44.694	19.460	5.398	2.616	3.861	79.940
82.750	110.157	91.497	44.535	19.235	5.408	2.574	3.760	83.935
86.302	110.183	91.557	44.441	19.047	5.407	2.539	3.679	87.514
90.633	110.195	91.597	44.383	18.837	5.398	2.499	3.590	91.878
94.513	110.189	91.608	44.375	18.664	5.386	2.466	3.518	95.787
98.555	110.169	91.602	44.404	18.500	5.374	2.434	3.450	99.859
103.483	110.130	91.577	44.483	18.320	5.360	2.398	3.375	104.824
107.899	110.086	91.543	44.586	18.177	5.346	2.369	3.314	109.273
113.283	110.027	91.490	44.747	18.022	5.326	2.338	3.247	114.698
118.107	109.972	91.436	44.917	17.901	5.302	2.313	3.193	119.558
123.131	109.914	91.375	45.114	17.789	5.273	2.289	3.142	124.620
129.257	109.847	91.296	45.373	17.670	5.234	2.263	3.086	130.791
134.743	109.789	91.224	45.615	17.577	5.200	2.242	3.040	136.319
140.455	109.733	91.148	45.874	17.491	5.166	2.223	2.998	142.074
147.417	109.670	91.056	46.192	17.400	5.128	2.202	2.951	149.088
153.648	109.618	90.974	46.477	17.329	5.096	2.186	2.914	155.366
161.240	109.560	90.877	46.819	17.253	5.060	2.168	2.874	163.014
168.033	109.512	90.794	47.118	17.193	5.029	2.154	2.842	169.858
175.100	109.466	90.711	47.420	17.138	5.000	2.141	2.812	176.978
183.704	109.414	90.614	47.775	17.079	4.967	2.126	2.779	185.648
191.399	109.372	90.532	48.079	17.031	4.938	2.114	2.753	193.401
200.766	109.326	90.438	48.431	16.979	4.906	2.099	2.724	202.837

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.754	3.635	3.403	2.829	2.182	1.665	1.355	1.255	1.323
.816	3.076	2.870	2.365	1.804	1.363	1.102	1.018	1.386
.971	2.735	2.539	2.063	1.548	1.157	.933	.861	1.542
1.109	2.737	2.537	2.056	1.540	1.149	.926	.856	1.682
1.268	2.728	2.526	2.041	1.529	1.144	.925	.857	1.843
1.517	2.690	2.488	2.007	1.506	1.137	.931	.867	2.094
1.732	2.645	2.446	1.970	1.480	1.127	.936	.877	2.311
2.059	2.581	2.383	1.914	1.437	1.105	.937	.890	2.641
2.334	2.529	2.327	1.858	1.401	1.089	.941	.906	2.919
2.635	2.497	2.285	1.811	1.364	1.073	.942	.915	3.223
3.074	2.462	2.247	1.769	1.321	1.047	.943	.925	3.667
3.431	2.448	2.228	1.742	1.295	1.026	.942	.934	4.026
3.810	2.442	2.216	1.719	1.272	1.006	.938	.941	4.409
4.349	2.444	2.210	1.698	1.245	.983	.929	.947	4.953
4.779	2.452	2.211	1.688	1.228	.970	.923	.948	5.387
5.386	2.468	2.219	1.678	1.209	.955	.917	.947	6.001
5.867	2.483	2.228	1.674	1.198	.946	.915	.948	6.486
6.367	2.500	2.239	1.673	1.189	.937	.916	.951	6.991
7.061	2.523	2.256	1.673	1.179	.926	.917	.958	7.693
7.603	2.541	2.270	1.675	1.173	.920	.919	.964	8.240
8.353	2.563	2.287	1.679	1.167	.912	.922	.973	8.997
8.936	2.578	2.300	1.683	1.163	.908	.924	.979	9.586
9.536	2.592	2.313	1.687	1.159	.904	.925	.984	10.192
10.365	2.609	2.329	1.693	1.156	.899	.928	.989	11.029
11.008	2.620	2.340	1.698	1.154	.896	.930	.992	11.678
11.670	2.630	2.350	1.703	1.152	.893	.931	.996	12.346
12.582	2.641	2.362	1.709	1.151	.890	.933	1.000	13.268
13.289	2.649	2.370	1.714	1.150	.887	.935	1.003	13.982
14.264	2.657	2.379	1.720	1.150	.885	.937	1.007	14.966
15.020	2.663	2.385	1.724	1.150	.883	.938	1.010	15.730
15.798	2.667	2.391	1.729	1.150	.881	.939	1.013	16.515
16.872	2.672	2.397	1.735	1.151	.880	.941	1.017	17.599
17.705	2.675	2.401	1.739	1.152	.879	.942	1.019	18.441
18.564	2.677	2.405	1.744	1.152	.878	.943	1.021	19.308
19.751	2.680	2.409	1.749	1.154	.877	.944	1.023	20.507
20.675	2.681	2.411	1.753	1.154	.877	.944	1.025	21.440
21.953	2.682	2.414	1.758	1.156	.876	.945	1.026	22.730
22.947	2.682	2.415	1.762	1.156	.876	.945	1.027	23.735
23.975	2.682	2.416	1.766	1.157	.876	.946	1.028	24.773
25.399	2.682	2.417	1.771	1.158	.877	.946	1.029	26.210
26.508	2.682	2.418	1.774	1.159	.877	.946	1.029	27.330
28.045	2.682	2.418	1.779	1.160	.877	.947	1.029	28.882
29.243	2.682	2.418	1.782	1.161	.878	.947	1.029	30.092
30.482	2.682	2.418	1.785	1.161	.878	.947	1.029	31.343

MACH NO = 3.50 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
32.199	2.681	2.417	1.789	1.162	.879	.948	1.029	33.077
33.538	2.681	2.417	1.792	1.163	.880	.948	1.029	34.430
34.923	2.681	2.416	1.795	1.163	.881	.948	1.029	35.828
36.842	2.680	2.416	1.798	1.164	.881	.948	1.028	37.766
38.339	2.680	2.415	1.801	1.164	.882	.948	1.028	39.278
40.415	2.679	2.414	1.803	1.165	.883	.949	1.027	41.374
42.034	2.679	2.414	1.805	1.165	.883	.949	1.027	43.009
43.708	2.679	2.413	1.807	1.166	.884	.949	1.027	44.699
46.029	2.679	2.412	1.808	1.167	.885	.950	1.027	47.043
47.838	2.679	2.412	1.809	1.167	.885	.950	1.026	48.870
50.348	2.680	2.411	1.810	1.168	.886	.951	1.026	51.405
52.305	2.680	2.410	1.810	1.169	.886	.951	1.026	53.381
54.329	2.680	2.410	1.810	1.169	.887	.951	1.026	55.424
57.135	2.681	2.410	1.810	1.171	.887	.952	1.026	58.258
59.323	2.681	2.409	1.809	1.172	.888	.952	1.026	60.468
61.585	2.682	2.409	1.809	1.173	.888	.952	1.026	62.753
64.723	2.682	2.409	1.808	1.174	.889	.953	1.026	65.921
67.170	2.683	2.409	1.807	1.175	.889	.953	1.026	68.392
70.563	2.683	2.409	1.805	1.177	.890	.954	1.026	71.818
73.209	2.684	2.409	1.804	1.178	.890	.954	1.026	74.491
75.946	2.684	2.409	1.802	1.180	.890	.954	1.026	77.254
79.741	2.685	2.409	1.801	1.182	.890	.955	1.026	81.087
82.701	2.686	2.409	1.799	1.183	.891	.955	1.025	84.076
85.763	2.686	2.409	1.798	1.184	.891	.955	1.025	87.168
90.009	2.687	2.409	1.796	1.186	.891	.956	1.025	91.455
93.321	2.687	2.409	1.794	1.187	.891	.956	1.025	94.800
97.915	2.687	2.410	1.792	1.189	.891	.956	1.025	99.439
101.499	2.688	2.410	1.790	1.190	.891	.957	1.025	103.058
105.206	2.688	2.410	1.789	1.192	.891	.957	1.025	106.802
110.348	2.688	2.411	1.787	1.193	.891	.957	1.025	111.995
114.360	2.688	2.411	1.785	1.194	.891	.957	1.025	116.046
119.926	2.689	2.411	1.783	1.196	.891	.957	1.025	121.666
124.269	2.689	2.411	1.782	1.197	.891	.958	1.025	126.052
128.761	2.689	2.412	1.780	1.198	.891	.958	1.024	130.588
134.994	2.689	2.412	1.779	1.199	.891	.958	1.024	136.882
139.857	2.689	2.412	1.777	1.200	.891	.958	1.024	141.793
144.888	2.689	2.413	1.776	1.201	.891	.958	1.024	146.874
151.869	2.689	2.413	1.774	1.202	.891	.958	1.024	153.924
157.317	2.689	2.413	1.773	1.203	.891	.958	1.024	159.425
164.875	2.689	2.413	1.772	1.204	.891	.959	1.024	167.057
170.773	2.689	2.414	1.771	1.204	.891	.959	1.024	173.013
176.875	2.689	2.414	1.770	1.205	.891	.959	1.024	179.175
185.342	2.689	2.414	1.769	1.206	.891	.959	1.024	187.725
191.950	2.689	2.414	1.768	1.206	.891	.959	1.024	194.398
201.118	2.689	2.414	1.767	1.207	.891	.959	1.024	203.656

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.780	6.064	5.637	4.595	3.444	2.550	2.029	1.862	1.349
.876	4.846	4.480	3.599	2.651	1.935	1.525	1.396	1.447
1.055	4.659	4.296	3.428	2.511	1.831	1.450	1.331	1.627
1.273	4.525	4.163	3.306	2.416	1.765	1.402	1.290	1.847
1.524	4.357	4.000	3.164	2.315	1.709	1.377	1.274	2.101
1.811	4.171	3.823	3.009	2.199	1.640	1.347	1.261	2.390
2.132	3.995	3.654	2.855	2.079	1.564	1.311	1.244	2.715
2.487	3.858	3.492	2.696	1.961	1.495	1.280	1.229	3.073
2.873	3.755	3.383	2.579	1.857	1.423	1.247	1.212	3.463
3.287	3.692	3.305	2.487	1.772	1.350	1.210	1.194	3.881
3.726	3.661	3.257	2.415	1.698	1.285	1.169	1.171	4.325
4.188	3.659	3.234	2.364	1.636	1.232	1.128	1.143	4.791
4.668	3.678	3.232	2.329	1.586	1.188	1.093	1.114	5.276
5.165	3.715	3.247	2.307	1.547	1.150	1.065	1.089	5.778
5.548	3.751	3.266	2.298	1.524	1.124	1.048	1.075	6.165
6.073	3.806	3.300	2.293	1.498	1.094	1.030	1.061	6.694
6.612	3.867	3.341	2.295	1.477	1.069	1.013	1.051	7.238
7.166	3.930	3.388	2.303	1.461	1.047	.999	1.043	7.799
7.738	3.993	3.438	2.315	1.448	1.028	.987	1.037	8.375
8.327	4.053	3.489	2.331	1.438	1.012	.976	1.030	8.971
8.936	4.109	3.539	2.349	1.430	.998	.967	1.024	9.586
9.566	4.161	3.588	2.369	1.424	.985	.959	1.019	10.222
10.219	4.209	3.634	2.391	1.420	.972	.953	1.016	10.882
10.898	4.252	3.677	2.414	1.417	.960	.947	1.015	11.567
11.606	4.290	3.716	2.438	1.416	.949	.943	1.016	12.281
12.345	4.324	3.753	2.462	1.416	.938	.939	1.019	13.028
13.120	4.352	3.785	2.487	1.417	.928	.935	1.023	13.811
13.937	4.374	3.815	2.512	1.420	.919	.932	1.027	14.636
14.792	4.391	3.841	2.537	1.423	.910	.928	1.032	15.500
15.450	4.400	3.859	2.555	1.427	.904	.926	1.035	16.164
16.350	4.409	3.878	2.578	1.432	.897	.922	1.038	17.072
17.277	4.414	3.892	2.599	1.438	.891	.919	1.042	18.009
18.235	4.418	3.902	2.619	1.444	.886	.915	1.044	18.976
19.225	4.420	3.907	2.638	1.451	.881	.911	1.047	19.976
20.250	4.421	3.910	2.656	1.458	.878	.908	1.049	21.011
21.312	4.421	3.910	2.672	1.465	.875	.904	1.050	22.083
22.413	4.420	3.909	2.688	1.472	.874	.901	1.051	23.195
23.555	4.418	3.906	2.703	1.479	.873	.898	1.052	24.348
24.740	4.416	3.903	2.717	1.485	.873	.896	1.052	25.545
25.970	4.413	3.900	2.730	1.492	.873	.893	1.052	26.787
27.247	4.410	3.896	2.741	1.498	.874	.891	1.052	28.076
28.573	4.407	3.892	2.751	1.503	.875	.889	1.051	29.416
29.950	4.404	3.888	2.760	1.508	.876	.887	1.050	30.806
31.380	4.401	3.884	2.766	1.513	.878	.886	1.049	32.251

MACH NO = 5.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
32.489	4.400	3.881	2.770	1.517	.879	.885	1.048	33.370
34.017	4.398	3.877	2.774	1.521	.881	.884	1.046	34.913
35.604	4.397	3.874	2.776	1.525	.883	.883	1.045	36.516
37.252	4.396	3.871	2.777	1.530	.885	.883	1.044	38.180
38.964	4.395	3.868	2.776	1.535	.887	.882	1.043	39.909
40.742	4.395	3.866	2.774	1.540	.889	.882	1.042	41.704
42.589	4.396	3.864	2.770	1.546	.891	.882	1.040	43.569
44.507	4.396	3.863	2.766	1.552	.893	.882	1.039	45.506
46.499	4.397	3.862	2.762	1.557	.895	.882	1.038	47.518
48.569	4.399	3.861	2.756	1.563	.896	.883	1.037	49.608
50.718	4.400	3.861	2.750	1.569	.898	.883	1.036	51.778
52.950	4.402	3.861	2.744	1.575	.899	.884	1.036	54.033
55.269	4.404	3.862	2.737	1.580	.901	.884	1.035	56.374
57.678	4.407	3.862	2.730	1.586	.902	.885	1.034	58.807
60.180	4.409	3.863	2.723	1.591	.902	.885	1.033	61.333
62.120	4.411	3.864	2.717	1.594	.903	.886	1.033	63.292
64.795	4.413	3.866	2.710	1.599	.904	.886	1.032	65.993
67.573	4.415	3.867	2.703	1.603	.904	.887	1.032	68.799
70.460	4.417	3.869	2.696	1.607	.904	.888	1.031	71.714
73.460	4.419	3.871	2.689	1.610	.904	.888	1.031	74.743
76.576	4.421	3.873	2.683	1.613	.905	.889	1.030	77.891
79.815	4.423	3.875	2.676	1.616	.905	.889	1.030	81.162
83.181	4.424	3.877	2.670	1.618	.905	.890	1.030	84.561
86.679	4.426	3.879	2.664	1.620	.905	.890	1.029	88.093
90.315	4.427	3.880	2.659	1.621	.905	.891	1.029	91.765
94.094	4.428	3.882	2.653	1.623	.905	.891	1.028	95.581
98.023	4.429	3.884	2.649	1.624	.905	.892	1.028	99.548
102.107	4.429	3.885	2.644	1.625	.905	.892	1.028	103.672
106.352	4.430	3.886	2.640	1.625	.906	.893	1.027	107.959
110.766	4.430	3.887	2.636	1.626	.906	.893	1.027	112.416
114.191	4.430	3.888	2.634	1.626	.906	.894	1.027	115.875
118.916	4.430	3.889	2.631	1.626	.906	.894	1.027	120.646
123.829	4.430	3.890	2.628	1.626	.907	.895	1.027	125.607
128.937	4.429	3.890	2.626	1.626	.907	.895	1.026	130.766
134.249	4.429	3.891	2.624	1.626	.908	.896	1.026	136.130
139.772	4.428	3.891	2.623	1.625	.908	.896	1.026	141.707
145.515	4.428	3.891	2.622	1.624	.909	.896	1.026	147.507
151.487	4.427	3.891	2.621	1.624	.909	.897	1.026	153.538
157.697	4.426	3.891	2.621	1.623	.909	.897	1.026	159.809
164.155	4.425	3.891	2.620	1.622	.910	.897	1.026	166.330
170.870	4.424	3.891	2.621	1.621	.910	.898	1.026	173.111
177.853	4.423	3.890	2.621	1.620	.911	.898	1.026	180.162
185.113	4.422	3.890	2.622	1.619	.911	.898	1.026	187.494
192.663	4.421	3.890	2.623	1.617	.912	.898	1.026	195.118
200.513	4.421	3.889	2.624	1.616	.912	.899	1.026	203.045

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.854	16.951	15.600	12.369	8.927	6.364	4.920	4.469	1.424
1.009	16.005	14.683	11.550	8.269	5.869	4.541	4.131	1.580
1.250	15.085	13.792	10.779	7.715	5.520	4.312	3.939	1.824
1.600	13.821	12.591	9.764	6.989	5.073	4.056	3.749	2.178
1.941	12.778	11.597	8.916	6.357	4.663	3.817	3.578	2.522
2.324	11.887	10.682	8.094	5.746	4.282	3.593	3.417	2.909
2.744	11.210	9.979	7.416	5.206	3.908	3.385	3.270	3.332
3.283	10.685	9.388	6.802	4.684	3.485	3.113	3.084	3.877
3.754	10.456	9.079	6.420	4.323	3.196	2.884	2.905	4.352
4.235	10.381	8.904	6.141	4.035	2.958	2.687	2.728	4.838
4.817	10.452	8.834	5.908	3.773	2.722	2.498	2.550	5.427
5.303	10.614	8.866	5.783	3.604	2.557	2.370	2.434	5.917
5.787	10.843	8.963	5.703	3.467	2.420	2.259	2.339	6.406
6.267	11.113	9.109	5.660	3.357	2.308	2.160	2.253	6.890
6.836	11.465	9.329	5.644	3.254	2.199	2.055	2.157	7.465
7.304	11.770	9.536	5.655	3.187	2.124	1.980	2.082	7.937
7.765	12.084	9.755	5.682	3.131	2.057	1.915	2.013	8.404
8.311	12.475	10.029	5.732	3.077	1.986	1.849	1.942	8.955
8.760	12.807	10.266	5.786	3.040	1.933	1.803	1.893	9.408
9.205	13.135	10.513	5.849	3.009	1.884	1.762	1.852	9.857
9.646	13.448	10.767	5.921	2.983	1.840	1.726	1.819	10.303
10.174	13.791	11.078	6.015	2.956	1.792	1.688	1.788	10.836
10.616	14.042	11.338	6.101	2.937	1.755	1.659	1.766	11.282
11.060	14.256	11.592	6.193	2.922	1.721	1.631	1.748	11.731
11.602	14.461	11.882	6.310	2.907	1.682	1.600	1.727	12.278
12.064	14.588	12.107	6.413	2.898	1.651	1.575	1.711	12.745
12.538	14.676	12.309	6.523	2.892	1.621	1.551	1.695	13.223
13.028	14.729	12.484	6.639	2.888	1.590	1.527	1.680	13.718
13.640	14.753	12.653	6.787	2.887	1.554	1.498	1.661	14.336
14.176	14.747	12.757	6.917	2.890	1.524	1.475	1.646	14.877
14.739	14.727	12.824	7.053	2.895	1.493	1.451	1.632	15.446
15.334	14.699	12.854	7.195	2.903	1.463	1.427	1.620	16.047
16.097	14.661	12.843	7.372	2.918	1.426	1.399	1.609	16.817
16.779	14.627	12.802	7.522	2.935	1.396	1.374	1.602	17.506
17.506	14.595	12.741	7.670	2.956	1.367	1.349	1.597	18.240
18.445	14.566	12.648	7.839	2.988	1.333	1.317	1.594	19.189
19.293	14.552	12.562	7.965	3.021	1.307	1.289	1.592	20.044
20.204	14.545	12.475	8.073	3.060	1.283	1.259	1.589	20.964
21.181	14.541	12.397	8.158	3.105	1.263	1.228	1.583	21.951
22.448	14.536	12.324	8.226	3.166	1.244	1.190	1.572	23.231
23.570	14.532	12.282	8.254	3.221	1.232	1.159	1.559	24.363
24.732	14.525	12.255	8.259	3.280	1.225	1.129	1.543	25.537
26.184	14.513	12.236	8.241	3.352	1.221	1.096	1.521	27.003
27.442	14.499	12.227	8.212	3.414	1.221	1.071	1.500	28.274

MACH NO = 10.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
28.748	14.485	12.224	8.174	3.477	1.225	1.048	1.479	29.592
30.103	14.471	12.224	8.129	3.539	1.231	1.028	1.457	30.961
31.797	14.455	12.229	8.070	3.609	1.241	1.007	1.431	32.672
33.269	14.444	12.235	8.018	3.663	1.252	.992	1.408	34.158
34.797	14.438	12.242	7.967	3.712	1.264	.978	1.386	35.701
36.709	14.436	12.251	7.906	3.762	1.280	.964	1.361	37.632
38.370	14.440	12.257	7.857	3.799	1.295	.954	1.340	39.309
40.094	14.447	12.264	7.808	3.830	1.309	.945	1.320	41.050
41.884	14.458	12.271	7.761	3.856	1.324	.938	1.302	42.858
44.123	14.474	12.279	7.705	3.882	1.341	.929	1.281	45.118
46.066	14.489	12.287	7.661	3.899	1.354	.923	1.265	47.080
48.083	14.504	12.296	7.618	3.912	1.367	.918	1.250	49.117
50.604	14.523	12.309	7.569	3.923	1.380	.911	1.234	51.663
52.792	14.539	12.320	7.530	3.928	1.390	.907	1.221	53.873
55.064	14.553	12.331	7.492	3.930	1.399	.902	1.208	56.167
57.423	14.566	12.344	7.456	3.930	1.407	.898	1.197	58.549
60.374	14.579	12.359	7.416	3.926	1.415	.894	1.183	61.529
62.938	14.589	12.372	7.385	3.921	1.421	.891	1.173	64.118
65.601	14.597	12.385	7.357	3.913	1.427	.888	1.163	66.808
68.359	14.604	12.397	7.331	3.904	1.432	.885	1.154	69.602
71.834	14.610	12.410	7.303	3.892	1.438	.882	1.144	73.102
74.847	14.613	12.420	7.283	3.880	1.442	.881	1.136	76.144
77.980	14.615	12.429	7.267	3.868	1.447	.879	1.129	79.308
81.904	14.616	12.437	7.250	3.852	1.452	.878	1.121	83.271
85.319	14.616	12.443	7.240	3.839	1.455	.878	1.115	86.719
88.869	14.615	12.447	7.233	3.825	1.459	.878	1.110	90.305
92.562	14.613	12.449	7.228	3.812	1.461	.878	1.105	94.034
97.190	14.610	12.451	7.227	3.795	1.465	.879	1.100	98.707
101.216	14.606	12.450	7.229	3.781	1.467	.879	1.096	102.773
105.404	14.602	12.449	7.233	3.768	1.469	.880	1.092	107.002
110.652	14.597	12.447	7.241	3.752	1.472	.881	1.088	112.301
115.218	14.593	12.444	7.249	3.739	1.473	.882	1.085	116.912
119.966	14.588	12.440	7.260	3.726	1.475	.882	1.082	121.707
124.905	14.582	12.436	7.272	3.713	1.476	.883	1.079	126.694
131.091	14.576	12.431	7.289	3.699	1.478	.883	1.076	132.941
136.473	14.571	12.426	7.304	3.687	1.479	.884	1.074	138.376
142.069	14.566	12.421	7.321	3.675	1.480	.884	1.072	144.027
149.078	14.560	12.415	7.341	3.661	1.481	.884	1.069	151.104
155.173	14.555	12.410	7.359	3.650	1.481	.884	1.067	157.260
161.509	14.550	12.405	7.378	3.639	1.482	.884	1.066	163.658
168.096	14.546	12.400	7.396	3.628	1.482	.884	1.064	170.310
176.342	14.541	12.394	7.419	3.616	1.482	.884	1.062	178.637
183.512	14.537	12.389	7.438	3.606	1.482	.884	1.060	185.877
190.962	14.533	12.385	7.456	3.596	1.481	.884	1.059	193.401
200.288	14.529	12.379	7.478	3.584	1.481	.883	1.057	202.819

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.856	36.847	33.864	26.749	19.201	13.610	10.476	9.500	1.426
1.051	34.438	31.528	24.687	17.593	12.432	9.585	8.708	1.624
1.351	31.746	28.952	22.502	16.036	11.474	8.992	8.230	1.926
1.713	28.794	26.161	20.152	14.350	10.417	8.373	7.769	2.292
2.136	26.069	23.566	17.920	12.672	9.320	7.710	7.282	2.719
2.611	23.992	21.345	15.868	11.140	8.331	7.144	6.867	3.198
3.125	22.568	19.830	14.386	9.913	7.379	6.550	6.454	3.718
3.663	21.765	18.842	13.262	8.913	6.587	5.939	5.975	4.261
4.213	21.462	18.281	12.470	8.137	5.958	5.419	5.505	4.816
4.763	21.549	18.054	11.919	7.557	5.444	5.011	5.121	5.372
5.308	21.927	18.082	11.556	7.110	5.023	4.681	4.826	5.922
5.755	22.394	18.253	11.356	6.812	4.737	4.442	4.620	6.374
6.281	23.053	18.587	11.213	6.530	4.461	4.188	4.394	6.905
6.794	23.764	19.009	11.148	6.311	4.240	3.969	4.182	7.423
7.293	24.521	19.479	11.141	6.137	4.055	3.783	3.988	7.927
7.777	25.344	19.981	11.176	5.996	3.895	3.628	3.818	8.415
8.246	26.233	20.519	11.245	5.879	3.753	3.497	3.674	8.889
8.702	27.159	21.104	11.341	5.782	3.628	3.387	3.557	9.350
9.147	28.079	21.738	11.459	5.699	3.518	3.292	3.462	9.798
9.581	28.953	22.414	11.596	5.628	3.421	3.208	3.384	10.237
10.008	29.749	23.119	11.747	5.567	3.335	3.132	3.318	10.669
10.431	30.446	23.834	11.913	5.516	3.257	3.063	3.261	11.095
10.781	30.941	24.426	12.061	5.479	3.196	3.010	3.218	11.449
11.203	31.428	25.115	12.252	5.442	3.128	2.948	3.169	11.875
11.627	31.794	25.765	12.457	5.412	3.062	2.890	3.121	12.303
12.058	32.042	26.360	12.680	5.386	2.998	2.834	3.074	12.738
12.498	32.181	26.887	12.923	5.365	2.935	2.780	3.028	13.183
12.951	32.225	27.335	13.188	5.348	2.871	2.728	2.984	13.641
13.422	32.194	27.690	13.477	5.335	2.806	2.677	2.941	14.116
13.914	32.107	27.942	13.795	5.326	2.741	2.627	2.902	14.612
14.431	31.979	28.081	14.142	5.320	2.674	2.578	2.867	15.135
14.980	31.820	28.109	14.519	5.317	2.605	2.530	2.837	15.689
15.561	31.649	28.032	14.921	5.319	2.534	2.481	2.814	16.276
16.069	31.519	27.899	15.269	5.324	2.475	2.440	2.801	16.789
16.713	31.402	27.664	15.691	5.335	2.403	2.390	2.790	17.439
17.402	31.342	27.360	16.108	5.355	2.330	2.336	2.783	18.135
18.145	31.334	27.017	16.501	5.384	2.259	2.277	2.779	18.885
18.950	31.357	26.679	16.851	5.426	2.190	2.213	2.773	19.698
19.828	31.394	26.388	17.135	5.485	2.127	2.142	2.761	20.585
20.789	31.428	26.169	17.328	5.564	2.072	2.065	2.741	21.555
21.828	31.452	26.031	17.418	5.667	2.026	1.985	2.711	22.604
22.950	31.459	25.964	17.411	5.795	1.990	1.903	2.671	23.737
24.161	31.452	25.948	17.326	5.953	1.965	1.823	2.624	24.961
25.464	31.424	25.964	17.180	6.139	1.951	1.746	2.570	26.277

MACH NO = 15.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
26.596	31.381	25.995	17.030	6.309	1.947	1.688	2.524	27.419
28.006	31.308	26.045	16.832	6.520	1.951	1.625	2.465	28.843
29.477	31.236	26.105	16.637	6.727	1.961	1.570	2.405	30.328
31.011	31.181	26.162	16.453	6.915	1.976	1.522	2.343	31.878
32.613	31.149	26.207	16.286	7.076	1.994	1.480	2.280	33.496
34.285	31.140	26.238	16.132	7.209	2.013	1.443	2.217	35.184
36.030	31.150	26.258	15.990	7.313	2.034	1.411	2.155	36.946
37.850	31.176	26.270	15.856	7.392	2.057	1.383	2.096	38.784
39.748	31.216	26.278	15.729	7.448	2.081	1.358	2.041	40.700
41.725	31.265	26.287	15.608	7.486	2.107	1.337	1.989	42.697
43.785	31.316	26.296	15.494	7.509	2.133	1.318	1.941	44.777
45.567	31.356	26.305	15.405	7.520	2.155	1.304	1.903	46.577
47.787	31.400	26.321	15.303	7.523	2.181	1.289	1.862	48.819
50.100	31.437	26.344	15.209	7.517	2.206	1.274	1.823	51.154
52.511	31.468	26.372	15.121	7.501	2.230	1.261	1.787	53.589
55.025	31.493	26.404	15.039	7.476	2.251	1.248	1.752	56.127
57.647	31.512	26.440	14.963	7.443	2.272	1.236	1.719	58.775
60.383	31.528	26.476	14.893	7.404	2.290	1.224	1.688	61.538
63.239	31.540	26.512	14.828	7.361	2.308	1.212	1.658	64.423
66.222	31.550	26.546	14.771	7.316	2.324	1.202	1.629	67.435
69.338	31.557	26.577	14.722	7.271	2.340	1.191	1.602	70.581
72.593	31.563	26.602	14.681	7.225	2.353	1.182	1.577	73.868
75.417	31.566	26.620	14.655	7.186	2.363	1.175	1.557	76.720
78.944	31.568	26.636	14.632	7.140	2.373	1.167	1.534	80.282
82.630	31.568	26.647	14.619	7.094	2.380	1.159	1.513	84.004
86.482	31.565	26.653	14.615	7.048	2.386	1.153	1.494	87.894
90.507	31.560	26.654	14.621	7.004	2.391	1.147	1.475	91.959
94.714	31.552	26.652	14.634	6.961	2.395	1.141	1.458	96.206
99.109	31.543	26.647	14.656	6.919	2.398	1.137	1.442	100.644
103.701	31.533	26.639	14.684	6.879	2.400	1.132	1.427	105.282
108.499	31.521	26.629	14.719	6.841	2.401	1.129	1.414	110.127
113.512	31.508	26.618	14.759	6.805	2.401	1.126	1.401	115.190
118.750	31.495	26.605	14.804	6.770	2.401	1.123	1.388	120.479
123.293	31.484	26.594	14.844	6.742	2.400	1.121	1.379	125.066
128.966	31.470	26.581	14.895	6.711	2.398	1.119	1.368	130.795
134.892	31.457	26.567	14.949	6.681	2.395	1.116	1.358	136.780
141.081	31.445	26.553	15.004	6.652	2.392	1.114	1.349	143.029
147.543	31.433	26.539	15.060	6.624	2.388	1.112	1.340	149.555
154.291	31.421	26.525	15.117	6.598	2.384	1.110	1.331	156.369
161.335	31.411	26.511	15.174	6.573	2.379	1.108	1.323	163.482
168.688	31.401	26.498	15.231	6.549	2.375	1.106	1.315	170.908
176.363	31.392	26.485	15.286	6.526	2.371	1.103	1.308	178.658
184.373	31.384	26.472	15.341	6.503	2.366	1.101	1.301	186.747
192.732	31.377	26.460	15.395	6.482	2.361	1.098	1.294	195.188
201.453	31.370	26.448	15.447	6.462	2.356	1.095	1.287	203.994

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

	P / P FREE-STREAM AT PLANE ANGLES							
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	90.656	73.042	53.754	38.976	30.488	27.797	1.297
.889	62.688	57.439	45.004	32.002	22.513	17.253	15.623	1.460
1.096	59.743	54.629	42.658	30.356	21.449	16.538	15.027	1.668
1.403	54.775	49.898	38.687	27.530	19.712	15.488	14.196	1.978
1.772	49.495	44.914	34.495	24.508	17.803	14.357	13.349	2.351
2.276	44.092	39.616	29.897	21.086	15.601	13.024	12.360	2.861
2.759	40.714	36.085	26.585	18.539	13.853	12.022	11.636	3.348
3.276	38.500	33.642	24.141	16.506	12.247	10.939	10.860	3.870
3.810	37.304	32.087	22.323	14.852	10.953	9.898	9.997	4.409
4.350	36.927	31.230	21.031	13.593	9.914	9.050	9.209	4.954
4.976	37.281	30.965	20.017	12.502	8.932	8.284	8.500	5.586
5.513	38.070	31.061	19.457	11.787	8.262	7.744	8.029	6.119
6.018	39.114	31.506	19.105	11.230	7.732	7.274	7.616	6.639
6.518	40.272	32.136	18.907	10.798	7.310	6.865	7.233	7.144
7.003	41.507	32.867	18.822	10.456	6.963	6.516	6.878	7.634
7.548	43.101	33.792	18.825	10.138	6.620	6.178	6.512	8.184
7.998	44.623	34.650	18.893	9.916	6.366	5.939	6.248	8.639
8.433	46.252	35.592	19.009	9.729	6.143	5.737	6.029	9.077
8.853	47.918	36.632	19.163	9.571	5.946	5.564	5.849	9.502
9.328	49.809	37.960	19.383	9.414	5.748	5.388	5.679	9.981
9.724	51.316	39.175	19.598	9.300	5.600	5.255	5.558	10.381
10.113	52.670	40.432	19.835	9.203	5.467	5.134	5.452	10.774
10.496	53.845	41.701	20.092	9.120	5.346	5.023	5.357	11.161
10.877	54.825	42.952	20.368	9.049	5.233	4.918	5.268	11.546
11.321	55.712	44.353	20.719	8.979	5.108	4.804	5.168	11.994
11.707	56.251	45.476	21.047	8.928	5.004	4.710	5.086	12.386
12.091	56.595	46.504	21.403	8.883	4.902	4.621	5.005	12.771
12.485	56.763	47.420	21.792	8.844	4.800	4.535	4.927	13.170
12.891	56.782	48.201	22.220	8.810	4.697	4.451	4.851	13.579
13.381	56.653	48.916	22.775	8.775	4.576	4.357	4.768	14.075
13.821	56.435	49.338	23.306	8.749	4.470	4.278	4.703	14.519
14.283	56.134	49.573	23.892	8.726	4.362	4.201	4.645	14.985
14.770	55.771	49.618	24.536	8.707	4.251	4.125	4.596	15.477
15.367	55.340	49.445	25.346	8.691	4.119	4.037	4.553	16.080
15.906	55.030	49.108	26.077	8.683	4.004	3.961	4.526	16.624
16.475	54.825	48.610	26.828	8.681	3.886	3.883	4.509	17.199
17.081	54.738	47.979	27.581	8.690	3.767	3.799	4.497	17.811
17.731	54.750	47.281	28.312	8.710	3.648	3.707	4.488	18.467
18.554	54.846	46.491	29.093	8.753	3.512	3.589	4.473	19.298
19.325	54.960	45.914	29.652	8.814	3.401	3.476	4.452	20.077
20.164	55.066	45.472	30.056	8.902	3.298	3.353	4.418	20.924
21.052	55.149	45.199	30.276	9.021	3.209	3.224	4.371	21.821
21.993	55.198	45.068	30.315	9.178	3.134	3.093	4.311	22.771
23.174	55.229	45.047	30.169	9.421	3.065	2.939	4.228	23.963
24.275	55.214	45.096	29.903	9.692	3.024	2.809	4.149	25.075

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
25.478	55.120	45.188	29.530	10.024	3.000	2.683	4.063	26.291
26.788	54.953	45.318	29.095	10.409	2.994	2.565	3.972	27.613
28.390	54.756	45.506	28.606	10.876	3.007	2.445	3.860	29.231
29.827	54.623	45.652	28.231	11.252	3.026	2.356	3.758	30.682
31.326	54.540	45.766	27.903	11.582	3.049	2.278	3.652	32.195
32.889	54.506	45.835	27.613	11.857	3.073	2.209	3.541	33.774
34.519	54.514	45.871	27.350	12.074	3.099	2.148	3.428	35.420
36.508	54.571	45.886	27.068	12.255	3.131	2.085	3.299	37.429
38.290	54.655	45.889	26.841	12.357	3.161	2.037	3.194	39.228
40.143	54.757	45.887	26.626	12.421	3.194	1.996	3.095	41.099
42.071	54.858	45.884	26.424	12.455	3.228	1.960	3.004	43.046
44.076	54.951	45.887	26.237	12.470	3.262	1.928	2.920	45.071
46.517	55.040	45.909	26.036	12.463	3.303	1.895	2.831	47.536
48.731	55.100	45.944	25.879	12.436	3.338	1.869	2.760	49.741
50.974	55.146	45.992	25.735	12.390	3.372	1.844	2.694	52.036
53.341	55.179	46.049	25.602	12.324	3.407	1.821	2.630	54.427
56.228	55.206	46.125	25.458	12.228	3.446	1.795	2.559	57.342
58.816	55.224	46.192	25.344	12.138	3.479	1.773	2.501	59.956
61.516	55.239	46.260	25.238	12.046	3.510	1.753	2.446	62.682
64.332	55.254	46.324	25.142	11.954	3.538	1.733	2.394	65.526
67.270	55.268	46.381	25.058	11.864	3.563	1.714	2.345	68.493
70.859	55.282	46.435	24.980	11.759	3.586	1.693	2.291	72.118
74.082	55.291	46.472	24.931	11.669	3.602	1.675	2.247	75.372
77.445	55.297	46.498	24.898	11.580	3.614	1.658	2.206	78.767
80.954	55.299	46.515	24.883	11.492	3.623	1.642	2.167	82.312
84.617	55.297	46.524	24.885	11.407	3.630	1.626	2.130	86.010
89.093	55.287	46.524	24.906	11.311	3.636	1.608	2.090	90.530
93.110	55.275	46.518	24.940	11.231	3.640	1.594	2.056	94.587
97.303	55.259	46.507	24.988	11.156	3.643	1.581	2.025	98.821
101.679	55.239	46.491	25.048	11.084	3.644	1.569	1.995	103.240
107.024	55.214	46.470	25.131	11.005	3.642	1.556	1.962	108.638
111.823	55.191	46.449	25.213	10.941	3.638	1.546	1.936	113.483
116.829	55.168	46.426	25.302	10.881	3.631	1.537	1.912	118.539
122.052	55.144	46.402	25.398	10.824	3.623	1.529	1.889	123.813
127.500	55.121	46.378	25.498	10.770	3.613	1.521	1.868	129.315
134.155	55.095	46.349	25.619	10.711	3.600	1.513	1.845	136.035
140.124	55.074	46.324	25.725	10.663	3.590	1.507	1.827	142.063
146.348	55.054	46.298	25.831	10.618	3.579	1.501	1.810	148.349
152.839	55.036	46.274	25.938	10.576	3.568	1.496	1.794	154.903
159.606	55.018	46.249	26.045	10.535	3.557	1.490	1.779	161.736
167.864	55.000	46.221	26.168	10.491	3.544	1.484	1.762	170.076
175.268	54.985	46.198	26.271	10.455	3.533	1.478	1.749	177.552
182.983	54.972	46.175	26.372	10.420	3.522	1.473	1.735	185.343
191.024	54.960	46.153	26.470	10.388	3.510	1.467	1.723	193.463
200.831	54.948	46.128	26.582	10.352	3.497	1.461	1.708	203.367

MACH NO = 20.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.0

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
25.478	55.120	45.188	29.530	10.024	3.000	2.683	4.063	26.291
26.788	54.953	45.318	29.095	10.409	2.994	2.565	3.972	27.613
28.390	54.756	45.506	28.606	10.876	3.007	2.445	3.860	29.231
29.827	54.623	45.652	28.231	11.252	3.026	2.356	3.758	30.682
31.326	54.540	45.766	27.903	11.582	3.049	2.278	3.652	32.195
32.889	54.506	45.835	27.613	11.857	3.073	2.209	3.541	33.774
34.519	54.514	45.871	27.350	12.074	3.099	2.148	3.428	35.420
36.508	54.571	45.886	27.068	12.255	3.131	2.085	3.299	37.429
38.290	54.655	45.889	26.841	12.357	3.161	2.037	3.194	39.228
40.143	54.757	45.887	26.626	12.421	3.194	1.996	3.095	41.099
42.071	54.858	45.884	26.424	12.455	3.228	1.960	3.004	43.046
44.076	54.951	45.887	26.237	12.470	3.262	1.928	2.920	45.071
46.517	55.040	45.909	26.036	12.463	3.303	1.895	2.831	47.536
48.701	55.100	45.944	25.879	12.436	3.338	1.869	2.760	49.741
50.974	55.146	45.992	25.735	12.390	3.372	1.844	2.694	52.036
53.341	55.179	46.049	25.602	12.324	3.407	1.821	2.630	54.427
56.228	55.206	46.125	25.458	12.228	3.446	1.795	2.559	57.342
58.816	55.224	46.192	25.344	12.138	3.479	1.773	2.501	59.956
61.516	55.239	46.260	25.235	12.046	3.510	1.753	2.446	62.682
64.332	55.254	46.324	25.142	11.954	3.538	1.733	2.394	65.526
67.270	55.268	46.381	25.058	11.864	3.563	1.714	2.345	68.493
70.859	55.282	46.435	24.980	11.759	3.586	1.693	2.291	72.118
74.082	55.291	46.472	24.931	11.669	3.602	1.675	2.247	75.372
77.445	55.297	46.498	24.898	11.580	3.614	1.658	2.206	78.767
80.954	55.299	46.515	24.883	11.492	3.623	1.642	2.167	82.312
84.617	55.297	46.524	24.885	11.407	3.630	1.626	2.130	86.010
89.093	55.287	46.524	24.906	11.311	3.636	1.608	2.090	90.530
93.110	55.275	46.518	24.940	11.231	3.640	1.594	2.056	94.587
97.303	55.259	46.507	24.988	11.156	3.643	1.581	2.025	98.821
101.679	55.239	46.491	25.048	11.084	3.644	1.569	1.995	103.240
107.024	55.214	46.470	25.131	11.005	3.642	1.556	1.962	108.638
111.823	55.191	46.449	25.213	10.941	3.638	1.546	1.936	113.483
116.829	55.168	46.426	25.302	10.881	3.631	1.537	1.912	118.539
122.052	55.144	46.402	25.398	10.824	3.623	1.529	1.889	123.813
127.500	55.121	46.378	25.498	10.770	3.613	1.521	1.868	129.315
134.155	55.095	46.349	25.619	10.711	3.600	1.513	1.845	136.035
140.124	55.074	46.324	25.725	10.663	3.590	1.507	1.827	142.063
146.348	55.054	46.298	25.831	10.618	3.579	1.501	1.810	148.349
152.839	55.036	46.274	25.938	10.576	3.568	1.496	1.794	154.903
159.606	55.018	46.249	26.045	10.535	3.557	1.490	1.779	161.736
167.864	55.000	46.221	26.168	10.491	3.544	1.484	1.762	170.076
175.268	54.985	46.198	26.271	10.455	3.533	1.478	1.749	177.552
182.983	54.972	46.175	26.372	10.420	3.522	1.473	1.735	185.343
191.024	54.960	46.153	26.470	10.386	3.510	1.467	1.723	193.463
200.831	54.948	46.128	26.582	10.352	3.497	1.461	1.708	203.367

MACH NO = 25.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.956	85.683	69.834	45.650	14.749	4.366	3.987	6.058	25.763
26.154	85.410	70.064	44.935	15.311	4.346	3.808	5.933	26.973
27.465	85.092	70.345	44.191	15.946	4.351	3.641	5.797	28.297
29.073	84.794	70.678	43.427	16.677	4.381	3.472	5.626	29.921
30.515	84.626	70.892	42.870	17.238	4.413	3.345	5.467	31.376
32.275	84.538	71.049	42.321	17.782	4.452	3.216	5.268	33.154
33.853	84.543	71.103	41.907	18.147	4.486	3.117	5.090	34.748
35.498	84.617	71.116	41.525	18.415	4.522	3.029	4.912	36.408
37.501	84.780	71.107	41.106	18.620	4.568	2.938	4.712	38.432
39.293	84.953	71.088	40.769	18.723	4.610	2.871	4.551	40.241
41.472	85.151	71.063	40.403	18.783	4.660	2.803	4.380	42.442
43.420	85.299	71.056	40.115	18.798	4.704	2.752	4.247	44.408
45.444	85.420	71.074	39.850	18.784	4.747	2.706	4.125	46.452
47.906	85.526	71.130	39.571	18.725	4.799	2.657	3.994	48.939
50.109	85.589	71.203	39.356	18.636	4.845	2.617	3.888	51.163
52.401	85.631	71.294	39.159	18.513	4.892	2.580	3.787	53.478
55.195	85.662	71.413	38.948	18.339	4.948	2.539	3.675	56.299
57.699	85.683	71.521	38.778	18.180	4.995	2.506	3.583	58.827
60.754	85.705	71.649	38.592	17.999	5.047	2.468	3.481	61.913
63.494	85.726	71.750	38.447	17.847	5.086	2.437	3.400	64.679
66.351	85.748	71.840	38.322	17.698	5.119	2.407	3.322	67.565
69.839	85.774	71.927	38.205	17.525	5.149	2.373	3.238	71.088
72.969	85.792	71.984	38.131	17.378	5.168	2.344	3.171	74.248
76.233	85.806	72.025	38.083	17.234	5.183	2.316	3.107	77.545
80.220	85.813	72.056	38.061	17.070	5.196	2.283	3.036	81.570
83.795	85.810	72.067	38.070	16.933	5.204	2.257	2.979	85.181
88.162	85.797	72.066	38.111	16.780	5.212	2.227	2.915	89.590
92.079	85.777	72.055	38.170	16.655	5.217	2.203	2.862	93.546
96.164	85.752	72.037	38.250	16.536	5.219	2.180	2.812	97.671
101.152	85.715	72.008	38.368	16.406	5.216	2.155	2.757	102.708
105.626	85.681	71.978	38.488	16.301	5.208	2.136	2.713	107.226
111.089	85.639	71.940	38.647	16.186	5.193	2.115	2.664	112.743
115.989	85.602	71.904	38.795	16.094	5.176	2.099	2.626	117.690
121.097	85.566	71.867	38.952	16.007	5.156	2.084	2.590	122.849
127.332	85.524	71.822	39.143	15.912	5.133	2.068	2.551	129.145
132.922	85.491	71.783	39.311	15.836	5.113	2.055	2.520	134.790
138.748	85.459	71.743	39.483	15.764	5.094	2.044	2.492	140.673
145.856	85.424	71.697	39.684	15.686	5.072	2.031	2.460	147.851
152.226	85.396	71.658	39.856	15.624	5.051	2.021	2.435	154.284
159.996	85.365	71.613	40.055	15.555	5.027	2.010	2.407	162.131
166.957	85.342	71.575	40.224	15.500	5.006	2.000	2.384	169.160
174.208	85.320	71.539	40.389	15.448	4.986	1.990	2.361	176.482
183.049	85.296	71.497	40.577	15.391	4.963	1.979	2.336	185.409
190.966	85.278	71.462	40.733	15.345	4.944	1.969	2.314	193.404
200.616	85.260	71.422	40.911	15.295	4.921	1.957	2.290	203.150

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.890	139.858	128.097	100.263	71.192	50.007	38.278	34.647	1.460
1.095	133.229	121.785	95.017	67.535	47.657	36.704	33.339	1.668
1.457	119.974	109.182	84.461	60.044	43.045	33.925	31.148	2.033
1.833	108.114	97.991	75.060	53.223	38.703	31.328	29.196	2.413
2.343	96.358	86.241	64.802	45.634	33.845	28.394	27.002	2.928
2.829	89.051	78.734	57.744	40.122	29.940	26.120	25.372	3.419
3.431	83.790	72.811	51.674	35.035	25.941	23.272	23.258	4.027
3.961	81.619	69.754	47.971	31.604	23.254	21.071	21.342	4.562
4.581	81.203	67.990	44.963	28.649	20.745	19.071	19.465	5.188
5.106	82.227	67.651	43.244	26.740	19.009	17.720	18.244	5.718
5.703	84.476	68.263	41.940	25.026	17.413	16.389	17.087	6.321
6.200	86.844	69.376	41.271	23.909	16.353	15.404	16.198	6.823
6.759	89.826	71.048	40.859	22.906	15.369	14.426	15.238	7.387
7.219	92.635	72.636	40.730	22.225	14.669	13.727	14.497	7.852
7.735	96.350	74.637	40.766	21.580	13.968	13.052	13.753	8.373
8.158	99.887	76.536	40.920	21.124	13.448	12.571	13.225	8.800
8.633	104.245	79.033	41.211	20.679	12.922	12.099	12.724	9.279
9.024	107.989	81.420	41.538	20.356	12.533	11.751	12.374	9.675
9.466	112.156	84.451	41.989	20.036	12.140	11.395	12.036	10.121
9.834	115.429	87.198	42.425	19.803	11.845	11.121	11.787	10.492
10.254	118.796	90.492	42.985	19.573	11.536	10.831	11.529	10.916
10.608	121.244	93.320	43.506	19.405	11.293	10.600	11.326	11.274
11.018	123.553	96.543	44.166	19.236	11.026	10.349	11.103	11.688
11.369	125.053	99.183	44.779	19.110	10.806	10.147	10.918	12.042
11.779	126.253	102.059	45.560	18.979	10.556	9.922	10.709	12.457
12.136	126.845	104.306	46.295	18.878	10.343	9.737	10.535	12.817
12.560	127.092	106.617	47.244	18.771	10.095	9.531	10.340	13.245
12.933	126.980	108.282	48.149	18.688	9.881	9.361	10.181	13.622
13.385	126.523	109.794	49.332	18.599	9.629	9.169	10.007	14.078
13.789	125.877	110.681	50.470	18.529	9.409	9.008	9.873	14.486
14.212	125.030	111.169	51.735	18.464	9.186	8.852	9.753	14.914
14.733	123.895	111.222	53.370	18.397	8.920	8.672	9.638	15.439
15.198	122.965	110.829	54.884	18.347	8.689	8.520	9.561	15.909
15.766	122.104	109.844	56.755	18.299	8.415	8.342	9.495	16.483
16.282	121.655	108.574	58.427	18.269	8.175	8.183	9.456	17.004
16.923	121.480	106.721	60.411	18.251	7.888	7.986	9.424	17.651
17.513	121.579	104.996	62.093	18.256	7.638	7.800	9.399	18.247
18.257	121.897	103.076	63.937	18.293	7.347	7.559	9.361	18.998
18.951	122.247	101.660	65.306	18.361	7.101	7.328	9.311	19.699
19.820	122.628	100.431	66.486	18.495	6.833	7.036	9.225	20.576
20.597	122.870	99.800	67.055	18.663	6.628	6.776	9.127	21.361
21.552	123.069	99.477	67.226	18.944	6.419	6.465	8.987	22.326
22.424	123.197	99.462	66.996	19.285	6.267	6.196	8.850	23.206
23.519	123.243	99.641	66.340	19.823	6.129	5.884	8.678	24.312

MACH NO = 30.00 CONE ANGLE = 8.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.541	123.084	99.902	65.490	20.426	6.048	5.621	8.522	25.344
25.854	122.638	100.311	64.275	21.311	6.002	5.328	8.329	26.670
27.106	122.154	100.738	63.165	22.204	6.002	5.091	8.149	27.934
28.680	121.675	101.255	61.985	23.282	6.039	4.842	7.914	29.524
30.091	121.400	101.606	61.145	24.123	6.084	4.657	7.692	30.949
31.814	121.246	101.860	60.329	24.946	6.139	4.467	7.409	32.689
33.359	121.235	101.949	59.725	25.504	6.185	4.321	7.152	34.249
35.243	121.364	101.959	59.082	25.974	6.241	4.170	6.848	36.151
36.929	121.578	101.935	58.565	26.238	6.293	4.057	6.596	37.854
38.980	121.882	101.885	57.999	26.417	6.356	3.941	6.321	39.925
40.812	122.137	101.840	57.547	26.492	6.410	3.856	6.106	41.775
43.039	122.394	101.814	57.061	26.518	6.474	3.768	5.879	44.024
45.028	122.568	101.832	56.684	26.490	6.529	3.701	5.702	46.033
47.448	122.717	101.908	56.290	26.395	6.593	3.629	5.511	48.476
49.611	122.800	102.012	55.989	26.253	6.651	3.572	5.358	50.660
51.861	122.850	102.143	55.716	26.056	6.711	3.518	5.212	52.933
54.603	122.885	102.316	55.424	25.783	6.784	3.458	5.049	55.702
57.060	122.908	102.475	55.187	25.540	6.846	3.409	4.916	58.182
60.056	122.937	102.662	54.925	25.267	6.913	3.354	4.769	61.208
62.743	122.965	102.811	54.720	25.041	6.964	3.309	4.651	63.921
66.021	123.003	102.963	54.516	24.781	7.013	3.258	4.521	67.232
68.961	123.037	103.071	54.374	24.560	7.045	3.215	4.418	70.201
72.550	123.073	103.167	54.253	24.307	7.073	3.166	4.306	73.825
75.769	123.096	103.226	54.190	24.095	7.091	3.124	4.215	77.076
79.698	123.108	103.269	54.164	23.855	7.108	3.077	4.114	81.043
83.221	123.106	103.284	54.180	23.656	7.119	3.038	4.032	84.601
87.521	123.087	103.282	54.243	23.434	7.129	2.994	3.941	88.943
91.377	123.059	103.265	54.332	23.253	7.133	2.959	3.866	92.837
96.084	123.015	103.233	54.474	23.055	7.132	2.919	3.783	97.590
100.305	122.969	103.197	54.627	22.895	7.123	2.888	3.716	101.853
105.457	122.911	103.147	54.837	22.720	7.102	2.854	3.641	107.055
110.075	122.858	103.099	55.039	22.579	7.077	2.827	3.582	111.719
115.712	122.796	103.039	55.295	22.426	7.041	2.798	3.517	117.411
120.765	122.744	102.985	55.528	22.303	7.009	2.775	3.466	122.514
126.930	122.686	102.920	55.810	22.169	6.973	2.750	3.410	128.739
132.455	122.638	102.863	56.059	22.062	6.944	2.731	3.365	134.319
139.194	122.585	102.797	56.353	21.946	6.908	2.710	3.317	141.124
145.232	122.543	102.740	56.607	21.854	6.876	2.694	3.277	147.221
152.594	122.497	102.674	56.901	21.753	6.837	2.675	3.234	154.656
159.188	122.461	102.618	57.151	21.672	6.804	2.660	3.197	161.315
167.227	122.421	102.555	57.438	21.585	6.768	2.642	3.156	169.432
174.425	122.391	102.501	57.678	21.514	6.738	2.626	3.122	176.701
183.197	122.358	102.441	57.952	21.438	6.702	2.608	3.083	185.560
191.050	122.333	102.390	58.181	21.376	6.671	2.592	3.050	193.490
200.618	122.307	102.333	58.439	21.309	6.637	2.572	3.012	203.152

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.754	3.635	3.403	2.829	2.182	1.665	1.355	1.255	1.323
.816	3.076	2.870	2.365	1.804	1.363	1.102	1.018	1.386
.971	2.886	2.682	2.189	1.655	1.248	1.013	.938	1.542
1.108	2.881	2.671	2.167	1.627	1.220	.988	.916	1.682
1.324	2.865	2.653	2.147	1.611	1.209	.982	.910	1.900
1.511	2.833	2.622	2.118	1.592	1.204	.986	.918	2.090
1.797	2.773	2.565	2.067	1.554	1.188	.991	.931	2.380
2.040	2.728	2.519	2.026	1.521	1.169	.990	.939	2.625
2.395	2.671	2.453	1.955	1.473	1.147	.991	.953	2.984
2.684	2.646	2.421	1.917	1.439	1.130	.990	.958	3.277
3.098	2.621	2.393	1.883	1.403	1.105	.988	.965	3.696
3.430	2.615	2.380	1.860	1.381	1.085	.985	.970	4.032
3.900	2.616	2.373	1.838	1.355	1.062	.977	.975	4.509
4.273	2.623	2.374	1.828	1.338	1.047	.970	.977	4.886
4.796	2.640	2.382	1.820	1.319	1.033	.961	.975	5.416
5.208	2.656	2.392	1.816	1.308	1.023	.957	.974	5.833
5.784	2.679	2.408	1.816	1.297	1.012	.955	.974	6.416
6.237	2.698	2.422	1.817	1.291	1.004	.955	.977	6.874
6.869	2.723	2.441	1.821	1.284	.996	.957	.984	7.515
7.367	2.742	2.456	1.826	1.280	.990	.959	.990	8.018
8.060	2.765	2.476	1.832	1.276	.984	.961	.999	8.720
8.598	2.781	2.491	1.838	1.273	.981	.963	1.004	9.265
9.340	2.800	2.509	1.846	1.271	.977	.965	1.010	10.016
9.915	2.812	2.522	1.853	1.270	.974	.966	1.014	10.598
10.707	2.827	2.537	1.861	1.269	.971	.968	1.018	11.400
11.320	2.837	2.547	1.867	1.269	.968	.970	1.021	12.021
12.165	2.848	2.559	1.875	1.269	.966	.972	1.026	12.877
12.820	2.855	2.567	1.881	1.269	.964	.974	1.029	13.539
13.722	2.863	2.576	1.889	1.270	.962	.976	1.034	14.453
14.421	2.868	2.583	1.895	1.271	.961	.977	1.037	15.161
15.142	2.872	2.588	1.901	1.272	.960	.979	1.041	15.890
16.136	2.876	2.594	1.908	1.274	.958	.980	1.044	16.897
16.908	2.878	2.598	1.913	1.275	.958	.981	1.047	17.679
17.976	2.880	2.602	1.920	1.277	.957	.983	1.050	18.760
18.807	2.881	2.604	1.925	1.278	.957	.983	1.052	19.601
19.957	2.882	2.607	1.932	1.280	.957	.984	1.054	20.765
20.852	2.883	2.608	1.936	1.281	.957	.985	1.055	21.671
22.091	2.883	2.610	1.942	1.283	.957	.986	1.057	22.926
23.057	2.883	2.610	1.946	1.284	.958	.986	1.058	23.904
24.395	2.883	2.611	1.951	1.286	.958	.987	1.059	25.258
25.437	2.883	2.611	1.955	1.287	.959	.987	1.059	26.314
26.882	2.883	2.610	1.959	1.288	.960	.987	1.060	27.777
28.009	2.882	2.610	1.962	1.289	.960	.988	1.060	28.918
29.571	2.882	2.609	1.966	1.291	.961	.988	1.060	30.499

MACH NO = 3.50 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.789	2.882	2.609	1.969	1.292	.962	.988	1.060	31.732
32.477	2.881	2.608	1.972	1.293	.963	.989	1.060	33.442
33.794	2.881	2.608	1.974	1.295	.964	.989	1.059	34.775
35.619	2.881	2.607	1.976	1.296	.965	.989	1.059	36.623
37.043	2.881	2.606	1.977	1.297	.966	.989	1.059	38.064
39.017	2.881	2.605	1.978	1.299	.967	.990	1.058	40.063
40.557	2.881	2.605	1.978	1.300	.967	.990	1.058	41.622
42.691	2.881	2.604	1.979	1.302	.968	.990	1.058	43.783
44.356	2.881	2.603	1.979	1.303	.968	.991	1.058	45.469
46.665	2.882	2.603	1.978	1.305	.969	.991	1.057	47.806
48.465	2.882	2.603	1.977	1.307	.970	.991	1.057	49.629
50.962	2.883	2.602	1.976	1.309	.970	.992	1.057	52.157
52.910	2.884	2.602	1.975	1.311	.971	.992	1.057	54.129
55.610	2.884	2.602	1.974	1.313	.971	.993	1.057	56.863
57.716	2.885	2.602	1.972	1.314	.971	.993	1.057	58.995
59.895	2.885	2.601	1.971	1.316	.972	.993	1.057	61.201
62.915	2.886	2.601	1.969	1.318	.972	.994	1.057	64.259
65.272	2.887	2.602	1.967	1.320	.972	.994	1.057	66.645
68.540	2.887	2.602	1.965	1.322	.972	.994	1.056	69.954
71.089	2.888	2.602	1.964	1.324	.973	.995	1.056	72.535
74.625	2.888	2.602	1.962	1.325	.973	.995	1.056	76.115
77.383	2.889	2.602	1.960	1.327	.973	.995	1.056	78.907
81.209	2.889	2.603	1.958	1.329	.973	.996	1.056	82.781
84.194	2.890	2.603	1.956	1.330	.973	.996	1.056	85.803
88.334	2.890	2.603	1.954	1.331	.973	.996	1.056	89.995
91.564	2.890	2.603	1.953	1.332	.973	.996	1.056	93.265
96.045	2.891	2.604	1.951	1.334	.973	.997	1.056	97.802
99.542	2.891	2.604	1.949	1.335	.973	.997	1.055	101.342
104.393	2.891	2.604	1.948	1.336	.973	.997	1.055	106.254
108.178	2.891	2.605	1.946	1.336	.973	.997	1.055	110.086
113.429	2.891	2.605	1.945	1.337	.973	.997	1.055	115.402
117.527	2.891	2.605	1.944	1.338	.974	.997	1.055	119.551
123.212	2.891	2.606	1.942	1.339	.974	.998	1.055	125.307
127.648	2.891	2.606	1.941	1.339	.974	.998	1.055	129.799
133.804	2.891	2.606	1.940	1.340	.974	.998	1.054	136.031
138.608	2.891	2.606	1.939	1.340	.974	.998	1.054	140.895
145.272	2.891	2.606	1.938	1.340	.974	.998	1.054	147.643
150.474	2.891	2.607	1.938	1.341	.974	.998	1.054	152.909
157.691	2.891	2.607	1.937	1.341	.975	.998	1.054	160.216
163.323	2.891	2.607	1.937	1.341	.975	.999	1.054	165.918
171.137	2.890	2.607	1.936	1.341	.975	.999	1.054	173.830
177.236	2.890	2.607	1.936	1.341	.975	.999	1.054	180.005
185.697	2.890	2.607	1.936	1.341	.975	.999	1.054	188.572
192.301	2.890	2.607	1.935	1.341	.975	.999	1.054	195.258
201.464	2.889	2.607	1.935	1.341	.975	.999	1.054	204.534

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.809	5.562	5.161	4.188	3.121	2.300	1.823	1.671	1.379
.916	4.963	4.583	3.669	2.692	1.960	1.545	1.414	1.487
1.099	4.886	4.504	3.597	2.641	1.927	1.524	1.398	1.672
1.309	4.754	4.373	3.476	2.549	1.874	1.496	1.378	1.885
1.549	4.589	4.213	3.334	2.444	1.810	1.466	1.360	2.128
1.817	4.415	4.045	3.185	2.330	1.738	1.430	1.339	2.400
2.115	4.254	3.890	3.040	2.213	1.663	1.390	1.316	2.701
2.440	4.134	3.741	2.889	2.099	1.596	1.357	1.296	3.030
2.790	4.047	3.647	2.782	2.001	1.526	1.325	1.278	3.384
3.162	3.997	3.581	2.701	1.923	1.455	1.288	1.259	3.761
3.554	3.978	3.544	2.636	1.855	1.393	1.245	1.234	4.158
4.067	3.991	3.530	2.584	1.783	1.331	1.193	1.196	4.678
4.493	4.023	3.541	2.558	1.739	1.291	1.159	1.164	5.109
4.931	4.070	3.565	2.543	1.706	1.256	1.132	1.138	5.552
5.379	4.127	3.600	2.539	1.680	1.224	1.111	1.119	6.006
5.838	4.191	3.643	2.542	1.659	1.197	1.093	1.106	6.471
6.308	4.258	3.692	2.551	1.643	1.174	1.078	1.098	6.947
6.790	4.325	3.745	2.565	1.630	1.154	1.064	1.091	7.434
7.283	4.389	3.799	2.582	1.621	1.138	1.051	1.083	7.933
7.790	4.450	3.854	2.602	1.614	1.125	1.040	1.076	8.447
8.311	4.506	3.906	2.625	1.609	1.113	1.031	1.068	8.976
8.848	4.557	3.956	2.648	1.606	1.101	1.023	1.062	9.518
9.545	4.616	4.014	2.680	1.604	1.088	1.015	1.056	10.224
10.125	4.658	4.056	2.706	1.604	1.077	1.010	1.054	10.811
10.728	4.695	4.095	2.733	1.605	1.068	1.006	1.055	11.421
11.357	4.727	4.131	2.760	1.607	1.059	1.002	1.057	12.058
12.016	4.753	4.164	2.787	1.610	1.051	.999	1.060	12.725
12.708	4.773	4.193	2.815	1.614	1.044	.996	1.065	13.427
13.439	4.787	4.219	2.841	1.619	1.036	.994	1.069	14.167
14.213	4.797	4.240	2.868	1.625	1.030	.991	1.073	14.950
15.027	4.804	4.255	2.892	1.631	1.023	.988	1.077	15.774
15.868	4.809	4.267	2.916	1.639	1.018	.985	1.080	16.626
16.738	4.812	4.274	2.938	1.647	1.013	.982	1.083	17.506
17.867	4.814	4.278	2.964	1.657	1.009	.978	1.087	18.649
18.806	4.814	4.278	2.983	1.666	1.006	.975	1.090	19.600
19.780	4.813	4.277	3.001	1.675	1.004	.972	1.092	20.586
20.791	4.812	4.275	3.017	1.684	1.003	.969	1.094	21.609
21.839	4.809	4.272	3.031	1.693	1.003	.967	1.096	22.671
22.928	4.807	4.269	3.043	1.702	1.004	.964	1.096	23.773
24.058	4.804	4.265	3.053	1.710	1.005	.962	1.097	24.918
25.232	4.801	4.262	3.062	1.717	1.006	.960	1.097	26.106
26.451	4.798	4.258	3.068	1.725	1.008	.958	1.096	27.340
27.717	4.796	4.254	3.073	1.732	1.010	.957	1.095	28.623
29.033	4.795	4.251	3.076	1.738	1.013	.955	1.094	29.954

MACH NO = 5.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
30.749	4.793	4.247	3.077	1.747	1.016	.954	1.093	31.692
32.182	4.792	4.244	3.077	1.754	1.018	.953	1.092	33.143
33.671	4.791	4.241	3.075	1.761	1.021	.953	1.091	34.651
35.218	4.791	4.239	3.072	1.768	1.024	.953	1.090	36.217
36.826	4.792	4.237	3.068	1.775	1.026	.952	1.088	37.844
38.496	4.792	4.236	3.063	1.782	1.029	.952	1.087	39.535
40.231	4.793	4.235	3.057	1.789	1.031	.953	1.086	41.292
42.034	4.795	4.234	3.051	1.796	1.034	.953	1.085	43.117
43.907	4.797	4.234	3.045	1.803	1.036	.953	1.084	45.014
45.853	4.798	4.234	3.038	1.809	1.037	.954	1.082	46.984
47.875	4.801	4.235	3.031	1.815	1.039	.955	1.081	49.031
50.514	4.803	4.235	3.022	1.821	1.041	.955	1.080	51.703
52.718	4.806	4.237	3.015	1.826	1.042	.956	1.079	53.935
55.008	4.808	4.238	3.008	1.830	1.043	.957	1.078	56.253
57.388	4.810	4.239	3.001	1.834	1.043	.957	1.077	58.663
59.862	4.812	4.241	2.995	1.838	1.044	.958	1.077	61.168
62.432	4.814	4.242	2.988	1.841	1.045	.959	1.076	63.770
65.104	4.816	4.244	2.982	1.843	1.045	.959	1.075	66.475
67.881	4.818	4.246	2.976	1.845	1.046	.960	1.075	69.287
70.768	4.820	4.248	2.970	1.847	1.046	.961	1.074	72.210
73.769	4.821	4.249	2.965	1.848	1.047	.961	1.074	75.248
76.888	4.822	4.251	2.960	1.849	1.047	.962	1.073	78.406
80.962	4.823	4.253	2.954	1.849	1.048	.963	1.073	82.531
84.367	4.824	4.254	2.950	1.849	1.049	.963	1.072	85.978
87.907	4.824	4.255	2.947	1.849	1.049	.964	1.072	89.562
91.588	4.824	4.256	2.943	1.849	1.050	.964	1.071	93.289
95.416	4.825	4.257	2.941	1.848	1.051	.965	1.071	97.165
99.396	4.824	4.258	2.938	1.848	1.052	.965	1.071	101.195
103.535	4.824	4.259	2.936	1.847	1.053	.966	1.071	105.385
107.840	4.824	4.260	2.935	1.846	1.053	.966	1.070	109.744
112.316	4.823	4.260	2.934	1.845	1.054	.967	1.070	114.276
116.972	4.823	4.260	2.933	1.843	1.055	.967	1.070	118.989
121.813	4.822	4.260	2.932	1.842	1.056	.967	1.070	123.891
128.138	4.821	4.260	2.932	1.840	1.057	.968	1.070	130.295
133.426	4.820	4.260	2.933	1.838	1.058	.968	1.070	135.649
138.926	4.819	4.260	2.933	1.837	1.059	.968	1.069	141.217
144.645	4.818	4.260	2.934	1.835	1.060	.969	1.069	147.008
150.593	4.817	4.260	2.935	1.833	1.061	.969	1.069	153.030
156.778	4.816	4.259	2.936	1.831	1.061	.969	1.069	159.292
163.211	4.815	4.259	2.938	1.829	1.062	.969	1.069	165.805
169.899	4.814	4.259	2.940	1.827	1.063	.969	1.069	172.577
176.855	4.813	4.258	2.942	1.825	1.064	.969	1.069	179.619
184.088	4.813	4.258	2.944	1.823	1.064	.969	1.069	186.942
191.608	4.812	4.257	2.946	1.821	1.065	.970	1.069	194.556
201.431	4.811	4.257	2.949	1.818	1.066	.970	1.069	204.501

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.854	17.958	16.530	13.116	9.483	6.778	5.253	4.776	1.424
1.006	16.936	15.544	12.250	8.811	6.298	4.905	4.474	1.579
1.288	15.815	14.458	11.308	8.114	5.827	4.570	4.183	1.863
1.566	14.782	13.470	10.459	7.498	5.447	4.350	4.017	2.145
1.950	13.593	12.326	9.467	6.743	4.945	4.049	3.795	2.534
2.308	12.784	11.479	8.682	6.147	4.562	3.814	3.618	2.897
2.774	12.101	10.745	7.941	5.539	4.122	3.554	3.427	3.368
3.183	11.765	10.335	7.482	5.132	3.786	3.323	3.259	3.783
3.604	11.609	10.086	7.133	4.787	3.506	3.096	3.075	4.209
4.116	11.616	9.954	6.843	4.466	3.233	2.865	2.863	4.727
4.544	11.748	9.955	6.681	4.263	3.043	2.711	2.717	5.160
5.055	12.018	10.059	6.563	4.073	2.852	2.560	2.579	5.677
5.476	12.303	10.211	6.511	3.947	2.720	2.452	2.486	6.104
5.975	12.679	10.446	6.493	3.830	2.593	2.336	2.386	6.609
6.385	13.001	10.671	6.505	3.754	2.507	2.250	2.307	7.024
6.869	13.392	10.956	6.546	3.683	2.420	2.160	2.218	7.515
7.267	13.726	11.200	6.595	3.636	2.357	2.096	2.150	7.917
7.659	14.068	11.449	6.657	3.598	2.300	2.040	2.089	8.314
8.123	14.478	11.756	6.743	3.560	2.238	1.984	2.027	8.784
8.506	14.806	12.021	6.825	3.535	2.191	1.943	1.985	9.172
8.964	15.170	12.344	6.931	3.509	2.140	1.901	1.944	9.635
9.345	15.439	12.615	7.026	3.492	2.102	1.869	1.917	10.022
9.806	15.712	12.933	7.147	3.475	2.060	1.834	1.890	10.487
10.194	15.897	13.185	7.254	3.464	2.028	1.807	1.871	10.880
10.588	16.041	13.420	7.365	3.456	1.998	1.780	1.853	11.280
11.073	16.164	13.672	7.507	3.450	1.963	1.750	1.832	11.770
11.489	16.229	13.851	7.631	3.448	1.934	1.725	1.815	12.192
12.007	16.266	14.025	7.788	3.448	1.900	1.696	1.794	12.716
12.457	16.271	14.134	7.925	3.452	1.872	1.672	1.777	13.172
13.025	16.257	14.218	8.098	3.459	1.837	1.644	1.756	13.747
13.525	16.235	14.250	8.249	3.468	1.808	1.621	1.740	14.253
14.161	16.203	14.246	8.434	3.483	1.772	1.594	1.723	14.897
14.727	16.171	14.213	8.590	3.499	1.742	1.571	1.712	15.470
15.329	16.139	14.161	8.743	3.519	1.712	1.549	1.703	16.079
16.101	16.104	14.081	8.916	3.549	1.676	1.521	1.698	16.862
16.794	16.085	14.004	9.046	3.581	1.646	1.496	1.695	17.563
17.692	16.072	13.908	9.176	3.627	1.612	1.464	1.694	18.472
18.500	16.067	13.833	9.260	3.674	1.586	1.435	1.692	19.290
19.545	16.063	13.761	9.327	3.740	1.559	1.399	1.686	20.348
20.484	16.059	13.718	9.355	3.803	1.541	1.367	1.679	21.299
21.491	16.053	13.688	9.358	3.875	1.528	1.334	1.668	22.319
22.778	16.043	13.670	9.336	3.968	1.517	1.296	1.652	23.622
23.896	16.033	13.665	9.303	4.049	1.513	1.267	1.637	24.753
25.293	16.020	13.665	9.251	4.147	1.514	1.234	1.617	26.168

MACH NO = 10.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
26.506	16.008	13.669	9.200	4.226	1.519	1.210	1.598	27.396
28.025	15.995	13.676	9.135	4.313	1.529	1.183	1.574	28.934
29.344	15.986	13.683	9.081	4.377	1.540	1.164	1.552	30.269
30.996	15.980	13.693	9.017	4.443	1.556	1.144	1.525	31.942
32.432	15.980	13.700	8.966	4.488	1.572	1.129	1.502	33.396
33.924	15.984	13.706	8.917	4.526	1.589	1.116	1.480	34.906
35.791	15.993	13.712	8.860	4.563	1.611	1.103	1.454	36.797
37.414	16.004	13.717	8.814	4.587	1.629	1.094	1.434	38.440
39.445	16.019	13.723	8.762	4.609	1.651	1.084	1.412	40.497
41.210	16.033	13.728	8.721	4.623	1.668	1.078	1.394	42.284
43.419	16.050	13.736	8.674	4.633	1.687	1.070	1.374	44.520
45.338	16.065	13.744	8.637	4.637	1.702	1.065	1.358	46.463
47.331	16.078	13.752	8.602	4.638	1.716	1.060	1.343	48.481
49.826	16.093	13.763	8.564	4.635	1.731	1.055	1.326	51.007
51.995	16.104	13.773	8.534	4.630	1.742	1.051	1.313	53.203
54.711	16.115	13.785	8.501	4.619	1.754	1.046	1.297	55.953
57.073	16.123	13.796	8.476	4.609	1.763	1.044	1.286	58.344
60.031	16.130	13.808	8.450	4.593	1.773	1.041	1.273	61.339
62.604	16.135	13.818	8.431	4.579	1.781	1.039	1.263	63.944
65.829	16.139	13.828	8.412	4.561	1.790	1.038	1.253	67.209
68.635	16.141	13.835	8.400	4.545	1.796	1.038	1.245	70.050
71.555	16.141	13.842	8.390	4.529	1.802	1.038	1.237	73.006
75.215	16.141	13.848	8.383	4.509	1.809	1.038	1.229	76.712
78.400	16.140	13.851	8.380	4.492	1.814	1.039	1.223	79.937
82.394	16.137	13.854	8.380	4.472	1.820	1.040	1.216	83.981
85.871	16.134	13.854	8.383	4.455	1.824	1.041	1.211	87.501
90.230	16.130	13.854	8.389	4.436	1.829	1.042	1.205	91.914
94.024	16.126	13.853	8.397	4.419	1.832	1.043	1.200	95.756
97.973	16.122	13.851	8.407	4.404	1.835	1.044	1.196	99.753
102.922	16.116	13.848	8.421	4.385	1.838	1.045	1.191	104.765
107.230	16.111	13.845	8.434	4.370	1.840	1.046	1.188	109.127
112.630	16.106	13.841	8.452	4.353	1.842	1.047	1.184	114.594
117.330	16.101	13.837	8.467	4.339	1.844	1.047	1.181	119.353
123.221	16.095	13.832	8.487	4.322	1.846	1.048	1.177	125.316
128.347	16.090	13.828	8.504	4.309	1.847	1.048	1.175	130.506
134.770	16.085	13.823	8.525	4.294	1.848	1.048	1.172	137.010
140.359	16.081	13.819	8.542	4.282	1.848	1.048	1.169	142.668
146.171	16.077	13.815	8.559	4.270	1.848	1.048	1.167	148.553
153.453	16.073	13.811	8.580	4.256	1.848	1.048	1.165	155.925
159.787	16.070	13.807	8.597	4.245	1.848	1.047	1.163	162.339
167.722	16.066	13.803	8.616	4.232	1.848	1.047	1.160	170.372
174.623	16.063	13.800	8.632	4.222	1.847	1.046	1.158	177.359
183.266	16.061	13.796	8.651	4.210	1.846	1.046	1.156	186.111
190.783	16.059	13.793	8.666	4.201	1.845	1.045	1.155	193.721
200.196	16.057	13.790	8.683	4.190	1.844	1.045	1.153	203.251

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.899	38.460	35.338	27.905	20.060	14.277	11.044	10.037	1.460
1.091	36.060	33.008	25.847	18.465	13.125	10.184	9.279	1.664
1.384	33.324	30.385	23.623	16.876	12.121	9.534	8.741	1.961
1.732	30.464	27.665	21.295	15.164	11.028	8.885	8.251	2.313
2.130	27.929	25.222	19.147	13.514	9.917	8.188	7.722	2.716
2.569	26.075	23.177	17.193	12.030	8.933	7.600	7.275	3.161
3.036	24.865	21.839	15.817	10.851	8.010	6.995	6.831	3.634
3.518	24.262	21.010	14.778	9.894	7.242	6.388	6.338	4.122
4.006	24.146	20.593	14.059	9.149	6.625	5.871	5.865	4.615
4.490	24.409	20.502	13.568	8.589	6.118	5.463	5.478	5.106
4.968	24.948	20.661	13.258	8.154	5.699	5.132	5.179	5.589
5.436	25.654	21.004	13.078	7.814	5.361	4.848	4.933	6.063
5.892	26.426	21.468	12.998	7.552	5.092	4.596	4.711	6.525
6.337	27.221	21.996	12.991	7.350	4.874	4.376	4.502	6.975
6.768	28.057	22.551	13.037	7.190	4.691	4.187	4.308	7.412
7.188	28.953	23.128	13.123	7.060	4.531	4.027	4.135	7.837
7.595	29.902	23.738	13.239	6.953	4.389	3.893	3.985	8.250
7.992	30.865	24.393	13.380	6.865	4.263	3.778	3.861	8.652
8.380	31.797	25.094	13.542	6.790	4.152	3.679	3.758	9.044
8.761	32.658	25.828	13.719	6.727	4.053	3.592	3.674	9.430
9.137	33.422	26.579	13.911	6.674	3.967	3.514	3.603	9.810
9.510	34.074	27.324	14.115	6.629	3.889	3.441	3.542	10.188
9.883	34.606	28.043	14.333	6.593	3.818	3.374	3.487	10.566
10.258	35.017	28.719	14.565	6.564	3.751	3.310	3.434	10.945
10.637	35.309	29.334	14.815	6.541	3.686	3.249	3.383	11.329
11.023	35.491	29.876	15.084	6.523	3.623	3.189	3.333	11.720
11.419	35.577	30.336	15.376	6.508	3.559	3.132	3.282	12.121
11.827	35.585	30.702	15.692	6.497	3.495	3.076	3.231	12.534
12.251	35.536	30.968	16.034	6.490	3.430	3.022	3.181	12.963
12.770	35.427	31.144	16.468	6.484	3.352	2.962	3.127	13.489
13.241	35.296	31.182	16.868	6.483	3.284	2.912	3.085	13.966
13.738	35.143	31.126	17.290	6.484	3.214	2.863	3.050	14.469
14.262	34.990	30.991	17.722	6.489	3.142	2.815	3.022	14.999
14.814	34.863	30.784	18.153	6.499	3.068	2.768	3.003	15.558
15.402	34.784	30.516	18.568	6.517	2.993	2.719	2.991	16.153
16.031	34.754	30.208	18.954	6.544	2.917	2.666	2.984	16.791
16.709	34.759	29.895	19.294	6.585	2.841	2.608	2.979	17.477
17.444	34.785	29.618	19.570	6.645	2.768	2.544	2.972	18.221
18.243	34.816	29.402	19.764	6.728	2.699	2.473	2.959	19.030
19.111	34.841	29.257	19.861	6.840	2.637	2.396	2.938	19.909
20.043	34.854	29.183	19.867	6.984	2.585	2.315	2.909	20.852
21.046	34.854	29.162	19.794	7.162	2.541	2.232	2.873	21.868
22.135	34.842	29.177	19.656	7.378	2.508	2.148	2.832	22.971
23.315	34.813	29.215	19.467	7.626	2.488	2.065	2.788	24.165

MACH NO = 15.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
24.582	34.758	29.268	19.251	7.891	2.479	1.987	2.740	25.448
25.905	34.695	29.335	19.041	8.148	2.480	1.916	2.688	26.788
27.287	34.643	29.398	18.847	8.379	2.488	1.852	2.632	28.187
28.731	34.610	29.448	18.674	8.574	2.501	1.796	2.570	29.649
30.239	34.599	29.480	18.519	8.730	2.518	1.747	2.506	31.175
31.814	34.607	29.497	18.377	8.849	2.539	1.704	2.440	32.770
33.458	34.629	29.505	18.245	8.935	2.565	1.667	2.376	34.435
35.175	34.663	29.508	18.122	8.994	2.596	1.636	2.315	36.173
36.966	34.707	29.510	18.007	9.031	2.630	1.609	2.257	37.986
38.835	34.753	29.511	17.901	9.051	2.667	1.586	2.203	39.878
40.784	34.798	29.515	17.803	9.059	2.704	1.565	2.152	41.852
42.817	34.838	29.524	17.715	9.054	2.742	1.546	2.103	43.910
44.938	34.871	29.539	17.634	9.036	2.779	1.529	2.057	46.057
47.151	34.898	29.560	17.561	9.005	2.816	1.513	2.014	48.299
49.462	34.920	29.586	17.494	8.963	2.851	1.499	1.973	50.638
52.287	34.939	29.619	17.424	8.906	2.889	1.483	1.929	53.499
54.827	34.952	29.649	17.369	8.853	2.919	1.470	1.893	56.070
57.480	34.961	29.678	17.320	8.800	2.946	1.459	1.860	58.756
60.254	34.969	29.706	17.278	8.747	2.969	1.448	1.828	61.564
63.153	34.974	29.730	17.245	8.694	2.988	1.438	1.799	64.500
66.185	34.977	29.750	17.221	8.640	3.005	1.428	1.772	67.570
69.355	34.979	29.765	17.207	8.587	3.019	1.419	1.745	70.779
72.670	34.978	29.776	17.201	8.534	3.031	1.411	1.721	74.136
76.137	34.975	29.783	17.205	8.481	3.042	1.404	1.698	77.645
79.761	34.970	29.785	17.217	8.430	3.052	1.397	1.676	81.315
83.552	34.963	29.784	17.237	8.380	3.060	1.392	1.655	85.153
87.516	34.955	29.781	17.263	8.331	3.067	1.387	1.636	89.166
91.660	34.945	29.775	17.296	8.285	3.072	1.383	1.619	93.362
95.993	34.934	29.767	17.334	8.240	3.076	1.380	1.602	97.749
100.524	34.922	29.758	17.377	8.198	3.078	1.377	1.587	102.336
105.260	34.910	29.748	17.423	8.158	3.078	1.375	1.573	107.132
110.211	34.898	29.738	17.471	8.119	3.077	1.373	1.559	112.145
115.387	34.885	29.727	17.522	8.083	3.075	1.371	1.546	117.384
120.796	34.874	29.716	17.573	8.048	3.072	1.369	1.534	122.861
126.449	34.863	29.705	17.625	8.015	3.068	1.367	1.522	128.585
132.357	34.852	29.695	17.676	7.984	3.064	1.364	1.511	134.566
138.530	34.843	29.684	17.727	7.954	3.060	1.362	1.500	140.816
144.980	34.834	29.674	17.777	7.926	3.055	1.359	1.490	147.346
151.718	34.826	29.665	17.826	7.899	3.050	1.356	1.480	154.168
158.756	34.819	29.655	17.873	7.874	3.044	1.354	1.471	161.295
166.108	34.813	29.646	17.918	7.850	3.038	1.351	1.463	168.738
173.787	34.808	29.638	17.962	7.827	3.033	1.349	1.455	176.513
181.806	34.803	29.630	18.003	7.806	3.027	1.347	1.448	184.632
190.180	34.800	29.622	18.043	7.786	3.021	1.345	1.441	193.110
200.419	34.796	29.614	18.087	7.764	3.014	1.343	1.434	203.477

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	90.656	73.042	53.754	38.976	30.488	27.797	1.297
.890	67.621	62.100	48.965	35.124	24.944	19.262	17.496	1.461
1.090	63.332	57.948	45.322	32.327	22.938	17.772	16.182	1.663
1.381	58.410	53.233	41.337	29.484	21.142	16.609	15.220	1.957
1.787	52.467	47.581	36.512	25.932	18.860	15.237	14.177	2.369
2.183	48.079	43.301	32.722	23.036	16.929	14.021	13.245	2.775
2.627	44.911	39.836	29.395	20.485	15.195	12.981	12.457	3.220
3.170	42.643	37.248	26.688	18.164	13.362	11.715	11.505	3.769
3.647	41.732	35.964	25.006	16.576	12.098	10.683	10.627	4.252
4.124	41.744	35.356	23.832	15.359	11.074	9.836	9.836	4.735
4.674	42.460	35.310	22.931	14.300	10.102	9.068	9.120	5.292
5.136	43.524	35.698	22.461	13.602	9.431	8.527	8.644	5.759
5.585	44.798	36.359	22.192	13.058	8.893	8.053	8.232	6.214
6.097	46.339	37.327	22.070	12.577	8.398	7.571	7.789	6.728
6.513	47.730	38.228	22.079	12.259	8.053	7.218	7.436	7.154
6.920	49.240	39.163	22.165	12.000	7.756	6.917	7.116	7.566
7.377	51.164	40.323	22.338	11.755	7.454	6.624	6.793	8.029
7.756	52.892	41.409	22.534	11.582	7.227	6.413	6.562	8.413
8.124	54.609	42.590	22.766	11.437	7.026	6.232	6.370	8.785
8.542	56.509	44.070	23.070	11.295	6.824	6.049	6.187	9.208
8.892	57.960	45.393	23.356	11.192	6.673	5.910	6.056	9.562
9.237	59.238	46.731	23.662	11.106	6.538	5.783	5.943	9.912
9.636	60.476	48.263	24.044	11.022	6.397	5.645	5.824	10.316
9.977	61.312	49.516	24.396	10.964	6.284	5.535	5.730	10.661
10.320	61.942	50.685	24.774	10.915	6.177	5.430	5.639	11.008
10.724	62.426	51.912	25.252	10.866	6.055	5.312	5.533	11.417
11.076	62.647	52.829	25.701	10.830	5.950	5.215	5.444	11.774
11.436	62.721	53.502	26.190	10.800	5.845	5.122	5.355	12.138
11.870	62.660	54.302	26.817	10.769	5.720	5.017	5.253	12.578
12.257	62.508	54.713	27.403	10.747	5.612	4.930	5.176	12.970
12.661	62.275	54.945	28.050	10.727	5.502	4.847	5.092	13.379
13.158	61.913	54.998	28.863	10.707	5.371	4.753	5.012	13.882
13.606	61.579	54.870	29.602	10.693	5.257	4.676	4.955	14.335
14.073	61.262	54.595	30.362	10.683	5.140	4.601	4.910	14.808
14.649	60.987	54.095	31.254	10.678	5.001	4.513	4.874	15.391
15.174	60.860	53.536	32.003	10.682	4.878	4.435	4.854	15.923
15.734	60.828	52.907	32.714	10.698	4.753	4.351	4.840	16.490
16.438	60.876	52.181	33.460	10.738	4.605	4.243	4.826	17.203
17.093	60.950	51.639	33.989	10.799	4.479	4.139	4.810	17.866
17.802	61.054	51.215	34.377	10.893	4.358	4.024	4.784	18.583
18.679	61.147	50.906	34.618	11.053	4.228	3.881	4.739	19.471
19.476	61.194	50.781	34.647	11.241	4.128	3.752	4.688	20.279
20.326	61.221	50.759	34.534	11.487	4.040	3.619	4.629	21.139
21.399	61.231	50.815	34.244	11.856	3.957	3.461	4.553	22.226
22.405	61.194	50.907	33.881	12.244	3.905	3.324	4.486	23.244

MACH NO = 20.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
23.508	61.088	51.050	33.446	12.694	3.873	3.188	4.415	24.361
24.724	60.936	51.183	32.990	13.182	3.860	3.056	4.339	25.592
26.233	60.784	51.375	32.515	13.728	3.861	2.917	4.239	27.119
27.587	60.695	51.501	32.169	14.134	3.870	2.811	4.140	28.490
29.000	60.655	51.582	31.872	14.469	3.884	2.716	4.031	29.921
30.727	60.659	51.621	31.566	14.766	3.908	2.620	3.895	31.670
32.278	60.696	51.626	31.329	14.944	3.937	2.548	3.777	33.240
33.894	60.764	51.620	31.108	15.061	3.973	2.486	3.662	34.876
35.866	60.868	51.616	30.870	15.139	4.021	2.424	3.535	36.873
37.633	60.952	51.593	30.684	15.172	4.068	2.379	3.433	38.661
39.477	61.047	51.584	30.515	15.180	4.118	2.339	3.338	40.525
41.717	61.129	51.591	30.343	15.157	4.182	2.297	3.233	42.797
43.728	61.183	51.613	30.211	15.107	4.241	2.265	3.148	44.932
45.823	61.225	51.649	30.094	15.028	4.302	2.235	3.067	46.954
48.382	61.261	51.702	29.971	14.910	4.372	2.204	2.978	49.544
50.677	61.281	51.755	29.874	14.798	4.429	2.179	2.907	51.868
53.072	61.297	51.810	29.784	14.687	4.480	2.155	2.841	54.294
55.000	61.311	51.874	29.689	14.562	4.533	2.129	2.769	57.258
58.630	61.322	51.926	29.620	14.458	4.572	2.107	2.712	59.920
61.376	61.332	51.971	29.565	14.355	4.605	2.086	2.658	62.731
64.734	61.342	52.014	29.519	14.236	4.636	2.062	2.598	66.101
67.752	61.347	52.041	29.497	14.135	4.658	2.041	2.550	69.156
70.903	61.349	52.060	29.491	14.035	4.677	2.021	2.503	72.347
74.758	61.346	52.073	29.503	13.922	4.696	1.999	2.452	76.249
78.221	61.339	52.076	29.529	13.827	4.711	1.981	2.409	79.755
81.838	61.328	52.074	29.568	13.735	4.724	1.965	2.369	83.418
86.261	61.311	52.064	29.630	13.633	4.737	1.948	2.326	87.896
90.235	61.293	52.053	29.695	13.550	4.743	1.936	2.291	91.919
94.385	61.274	52.038	29.769	13.471	4.744	1.925	2.259	96.121
99.459	61.249	52.019	29.866	13.384	4.740	1.913	2.225	101.258
104.016	61.228	52.001	29.954	13.313	4.733	1.904	2.198	105.873
109.775	61.206	51.983	30.047	13.245	4.725	1.896	2.172	110.691
114.592	61.182	51.961	30.158	13.171	4.715	1.888	2.144	116.580
119.816	61.162	51.942	30.254	13.111	4.706	1.881	2.121	121.869
125.269	61.144	51.923	30.351	13.055	4.695	1.875	2.099	127.390
131.932	61.124	51.902	30.462	12.993	4.681	1.867	2.075	134.136
137.913	61.108	51.884	30.555	12.943	4.668	1.861	2.055	140.192
144.155	61.094	51.866	30.646	12.897	4.656	1.855	2.036	146.511
151.780	61.079	51.846	30.749	12.846	4.640	1.848	2.015	154.231
158.622	61.068	51.830	30.834	12.805	4.627	1.842	1.998	161.159
165.760	61.058	51.814	30.916	12.767	4.613	1.837	1.982	168.386
174.477	61.049	51.795	31.007	12.725	4.597	1.830	1.964	177.212
182.298	61.042	51.782	31.082	12.692	4.584	1.825	1.950	185.130
190.456	61.036	51.768	31.153	12.661	4.571	1.820	1.936	193.388
200.414	61.030	51.752	31.231	12.627	4.556	1.814	1.920	203.471

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	152.229	140.865	113.431	83.400	60.421	47.223	43.052	1.297
.890	105.107	96.503	76.041	54.495	38.660	29.832	27.087	1.461
1.089	98.396	90.011	70.361	50.147	35.555	27.528	25.059	1.662
1.432	89.314	81.323	63.020	44.912	32.256	25.418	23.329	2.010
1.784	81.346	73.753	56.562	40.144	29.175	23.557	21.911	2.366
2.253	73.505	65.966	49.656	34.906	25.707	21.378	20.234	2.841
2.695	68.782	60.890	44.734	31.064	23.022	19.755	19.010	3.288
3.236	65.503	57.059	40.655	27.556	20.242	17.772	17.496	3.836
3.710	64.339	55.187	38.151	25.165	18.341	16.205	16.136	4.316
4.261	64.485	54.275	36.156	23.085	16.563	14.755	14.773	4.874
4.725	65.585	54.333	35.044	21.743	15.323	13.782	13.877	5.344
5.254	67.583	55.120	34.249	20.534	14.163	12.831	13.048	5.879
5.693	69.552	56.204	33.886	19.746	13.383	12.122	12.425	6.324
6.188	71.935	57.708	33.731	19.045	12.659	11.404	11.750	6.824
6.596	74.115	59.075	33.758	18.573	12.147	10.880	11.215	7.238
7.055	76.930	60.744	33.924	18.129	11.634	10.368	10.661	7.703
7.433	79.557	62.291	34.153	17.817	11.250	10.002	10.256	8.086
7.859	82.729	64.283	34.498	17.517	10.858	9.642	9.864	8.517
8.212	85.395	66.154	34.846	17.303	10.567	9.377	9.589	8.874
8.613	88.294	68.488	35.299	17.092	10.272	9.107	9.323	9.280
8.949	90.516	70.563	35.721	16.939	10.053	8.900	9.131	9.620
9.335	92.743	72.995	36.250	16.791	9.825	8.679	8.934	10.011
9.662	94.315	75.031	36.735	16.685	9.647	8.504	8.780	10.342
10.043	95.746	77.286	37.345	16.582	9.453	8.310	8.611	10.728
10.370	96.631	79.074	37.910	16.506	9.293	8.153	8.470	11.059
10.756	97.290	80.950	38.630	16.429	9.109	7.977	8.307	11.450
11.092	97.571	82.350	39.305	16.370	8.950	7.832	8.169	11.790
11.494	97.632	83.705	40.174	16.310	8.764	7.670	8.010	12.197
11.849	97.497	84.600	40.995	16.265	8.603	7.536	7.878	12.557
12.280	97.156	85.308	42.052	16.217	8.413	7.386	7.731	12.993
12.667	96.719	85.624	43.047	16.179	8.249	7.263	7.616	13.385
13.072	96.176	85.678	44.121	16.144	8.082	7.145	7.513	13.795
13.567	95.503	85.430	45.448	16.108	7.885	7.013	7.415	14.296
14.010	94.984	84.956	46.624	16.082	7.713	6.903	7.349	14.744
14.554	94.554	84.111	48.013	16.058	7.508	6.774	7.295	15.295
15.050	94.364	83.176	49.188	16.047	7.326	6.659	7.264	15.797
15.668	94.329	81.958	50.499	16.052	7.107	6.514	7.238	16.423
16.237	94.421	80.934	51.527	16.080	6.916	6.376	7.217	16.999
16.957	94.610	79.895	52.540	16.151	6.692	6.196	7.184	17.728
17.621	94.789	79.211	53.175	16.259	6.504	6.026	7.140	18.400
18.433	94.963	78.716	53.592	16.452	6.300	5.816	7.068	19.223
19.168	95.059	78.514	53.676	16.688	6.139	5.627	6.991	19.966
20.080	95.135	78.484	53.491	17.070	5.972	5.399	6.887	20.890
20.921	95.174	78.575	53.113	17.501	5.851	5.198	6.793	21.742
21.988	95.133	78.763	52.451	18.133	5.744	4.962	6.682	22.822

MACH NO = 25.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
22.992	94.977	78.978	51.753	18.786	5.683	4.761	6.586	23.838
24.290	94.689	79.286	50.888	19.644	5.646	4.532	6.467	25.153
25.527	94.436	79.571	50.181	20.405	5.637	4.342	6.348	26.404
27.053	94.237	79.857	49.495	21.206	5.646	4.142	6.183	27.949
28.422	94.152	80.003	49.006	21.773	5.662	3.990	6.019	29.336
30.095	94.145	80.077	48.519	22.289	5.690	3.833	5.807	31.030
31.596	94.197	80.078	48.145	22.602	5.723	3.715	5.618	32.549
33.427	94.328	80.052	47.742	22.836	5.772	3.597	5.403	34.403
35.067	94.480	80.019	47.423	22.950	5.822	3.510	5.229	36.064
37.066	94.663	79.977	47.086	23.014	5.889	3.422	5.038	38.088
38.855	94.801	79.952	46.827	23.025	5.954	3.356	4.886	39.899
41.035	94.930	79.952	46.562	22.982	6.039	3.288	4.718	42.106
42.987	95.013	79.981	46.365	22.889	6.120	3.236	4.582	44.083
45.368	95.083	80.045	46.166	22.718	6.219	3.181	4.432	46.493
47.501	95.121	80.118	46.014	22.533	6.304	3.138	4.310	48.653
49.725	95.146	80.201	45.871	22.338	6.386	3.098	4.196	50.904
52.441	95.167	80.305	45.714	22.119	6.475	3.054	4.073	53.654
54.878	95.183	80.394	45.592	21.941	6.543	3.018	3.976	56.122
57.856	95.202	80.491	45.471	21.741	6.611	2.976	3.871	59.137
60.530	95.219	80.563	45.388	21.571	6.660	2.942	3.787	61.844
63.798	95.236	80.631	45.318	21.378	6.705	2.901	3.695	65.153
66.733	95.247	80.674	45.285	21.215	6.737	2.867	3.619	68.125
70.320	95.254	80.709	45.276	21.029	6.768	2.828	3.534	71.756
73.541	95.253	80.726	45.294	20.873	6.792	2.796	3.464	75.017
77.477	95.242	80.732	45.342	20.698	6.820	2.761	3.387	79.002
81.011	95.226	80.727	45.406	20.555	6.839	2.733	3.324	82.581
85.331	95.200	80.712	45.507	20.396	6.854	2.704	3.255	86.954
89.209	95.172	80.693	45.612	20.266	6.856	2.681	3.201	90.881
93.948	95.136	80.667	45.754	20.122	6.848	2.657	3.143	95.679
98.203	95.103	80.641	45.889	20.005	6.837	2.639	3.097	99.987
103.402	95.064	80.609	46.056	19.876	6.821	2.619	3.046	105.250
108.068	95.030	80.580	46.205	19.771	6.806	2.603	3.006	109.974
113.768	94.993	80.546	46.384	19.656	6.787	2.587	2.961	115.746
118.884	94.963	80.517	46.538	19.563	6.768	2.573	2.924	120.925
125.132	94.930	80.483	46.718	19.463	6.743	2.558	2.883	127.251
130.738	94.904	80.454	46.870	19.382	6.720	2.546	2.850	132.927
137.583	94.877	80.421	47.044	19.294	6.694	2.533	2.812	139.857
143.722	94.856	80.394	47.189	19.224	6.670	2.521	2.780	146.074
151.218	94.834	80.363	47.352	19.149	6.642	2.508	2.745	153.663
157.940	94.817	80.337	47.487	19.088	6.618	2.497	2.716	160.469
166.145	94.800	80.308	47.637	19.023	6.589	2.484	2.684	168.775
173.501	94.787	80.284	47.761	18.970	6.566	2.473	2.657	176.224
182.479	94.775	80.257	47.898	18.914	6.539	2.460	2.626	185.313
190.527	94.767	80.235	48.010	18.870	6.517	2.449	2.601	193.461
200.347	94.759	80.210	48.134	18.822	6.492	2.436	2.573	203.404

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.890	150.929	138.555	109.135	78.170	55.425	42.750	38.811	1.461
1.133	139.492	127.513	99.529	70.884	50.277	38.957	35.480	1.707
1.431	128.141	116.663	90.379	64.383	46.221	36.412	33.413	2.009
1.845	114.840	104.010	79.587	56.396	41.033	33.254	31.003	2.428
2.250	105.320	94.505	71.118	49.976	36.793	30.587	28.947	2.838
2.765	97.584	86.205	63.073	43.647	32.310	27.849	26.888	3.360
3.308	93.271	81.031	57.424	38.758	28.435	24.999	24.673	3.909
3.780	91.862	78.557	54.005	35.452	25.798	22.813	22.739	4.386
4.327	92.300	77.434	51.273	32.584	23.320	20.810	20.851	4.940
4.787	94.013	77.630	49.758	30.720	21.591	19.453	19.615	5.406
5.309	96.944	78.844	48.676	29.040	19.981	18.117	18.452	5.935
5.814	100.235	80.721	48.140	27.789	18.739	16.963	17.426	6.446
6.230	103.160	82.571	47.986	26.968	17.887	16.109	16.606	6.868
6.698	106.859	84.833	48.051	26.207	17.058	15.263	15.731	7.341
7.084	110.388	86.874	48.263	25.678	16.445	14.658	15.071	7.732
7.516	114.845	89.476	48.645	25.171	15.820	14.066	14.418	8.169
7.873	118.772	91.950	49.063	24.812	15.353	13.638	13.955	8.531
8.276	123.229	95.110	49.631	24.461	14.881	13.208	13.510	8.939
8.667	127.337	98.493	50.266	24.168	14.477	12.834	13.146	9.335
8.995	130.466	101.485	50.856	23.956	14.174	12.545	12.879	9.666
9.371	133.588	104.978	51.594	23.750	13.859	12.235	12.603	10.047
9.690	135.782	107.892	52.272	23.602	13.612	11.988	12.385	10.371
10.062	137.767	111.114	53.124	23.455	13.340	11.716	12.144	10.747
10.434	139.146	114.072	54.054	23.328	13.077	11.459	11.909	11.124
10.756	139.880	116.350	54.924	23.232	12.854	11.247	11.710	11.450
11.139	140.285	118.660	56.040	23.132	12.593	11.011	11.480	11.837
11.474	140.314	120.300	57.095	23.055	12.368	10.816	11.287	12.177
11.878	140.041	121.770	58.455	22.975	12.103	10.597	11.068	12.586
12.238	139.573	122.625	59.743	22.912	11.874	10.418	10.891	12.950
12.677	138.780	123.144	61.395	22.843	11.605	10.218	10.702	13.394
13.139	137.791	123.157	63.200	22.779	11.332	10.026	10.539	13.863
13.552	136.928	122.788	64.833	22.729	11.098	9.870	10.425	14.281
14.056	136.065	121.905	66.800	22.677	10.819	9.691	10.322	14.791
14.511	135.558	120.780	68.508	22.639	10.574	9.538	10.259	15.251
15.073	135.274	119.128	70.480	22.607	10.277	9.350	10.207	15.821
15.678	135.277	117.312	72.367	22.600	9.970	9.145	10.170	16.433
16.234	135.448	115.815	73.848	22.623	9.699	8.950	10.137	16.996
16.936	135.760	114.313	75.304	22.704	9.380	8.695	10.083	17.707
17.578	136.044	113.347	76.215	22.834	9.113	8.456	10.016	18.356
18.358	136.307	112.650	76.812	23.074	8.819	8.163	9.910	19.146
19.062	136.461	112.377	76.939	23.378	8.585	7.900	9.799	19.859
19.933	136.591	112.350	76.679	23.880	8.340	7.584	9.653	20.742
20.874	136.671	11 533	76.022	24.561	8.135	7.259	9.502	21.694
21.748	136.625	112.789	75.181	25.304	7.999	6.978	9.374	22.579

MACH NO = 30.00 CONE ANGLE = 9.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
22.865	136.360	113.178	73.984	26.357	7.890	6.651	9.226	23.709
23.922	135.995	113.580	72.893	27.387	7.837	6.376	9.094	24.780
25.297	135.548	114.082	71.573	28.656	7.814	6.063	8.912	26.172
26.798	135.227	114.518	70.634	29.840	7.822	5.772	8.683	27.691
28.145	135.091	114.751	69.914	30.691	7.843	5.550	8.450	29.055
29.790	135.066	114.860	69.206	31.467	7.879	5.320	8.145	30.721
31.266	135.141	114.859	68.667	31.946	7.920	5.147	7.871	32.215
33.066	135.338	114.806	68.086	32.307	7.979	4.973	7.557	34.037
34.678	135.567	114.745	67.628	32.484	8.040	4.843	7.301	35.669
36.641	135.840	114.669	67.142	32.585	8.122	4.713	7.023	37.657
38.697	136.077	114.617	66.712	32.601	8.217	4.600	6.764	39.739
40.537	136.237	114.610	66.390	32.540	8.311	4.514	6.556	41.602
42.779	136.374	114.656	66.068	32.369	8.433	4.424	6.324	43.872
44.786	136.455	114.734	65.833	32.136	8.543	4.355	6.136	45.904
47.234	136.511	114.857	65.539	31.801	8.675	4.281	5.930	48.382
49.803	136.543	115.001	65.361	31.455	8.802	4.213	5.738	50.983
52.107	136.563	115.132	65.175	31.175	8.905	4.158	5.587	53.316
54.921	136.587	115.284	64.979	30.867	9.013	4.096	5.425	56.165
57.446	136.610	115.403	64.837	30.611	9.093	4.045	5.298	58.722
60.531	136.638	115.523	64.704	30.318	9.170	3.986	5.159	61.846
63.301	136.661	115.605	64.624	30.074	9.222	3.936	5.047	64.650
66.685	136.683	115.678	64.572	29.796	9.272	3.878	4.921	68.076
70.241	136.695	115.725	64.566	29.525	9.316	3.821	4.801	71.676
73.433	136.694	115.747	64.596	29.299	9.352	3.774	4.701	74.908
77.334	136.679	115.753	64.671	29.047	9.389	3.723	4.591	78.857
80.834	136.656	115.744	64.768	28.842	9.413	3.683	4.502	82.401
85.111	136.617	115.722	64.919	28.614	9.424	3.640	4.405	86.731
89.605	136.569	115.689	65.105	28.398	9.416	3.601	4.316	91.282
93.638	136.524	115.656	65.287	28.222	9.400	3.569	4.245	95.365
98.565	136.467	115.613	65.519	28.026	9.376	3.536	4.168	100.353
102.986	136.419	115.573	65.730	27.867	9.354	3.509	4.106	104.830
108.386	136.363	115.525	65.986	27.692	9.326	3.480	4.037	110.297
113.230	136.318	115.483	66.211	27.552	9.298	3.457	3.980	115.201
119.146	136.268	115.433	66.475	27.399	9.261	3.432	3.917	121.191
125.358	136.222	115.385	66.737	27.257	9.221	3.408	3.855	127.480
130.929	136.186	115.343	66.959	27.144	9.186	3.388	3.803	133.121
137.729	136.148	115.297	67.211	27.021	9.144	3.365	3.746	140.006
143.827	136.118	115.257	67.421	26.923	9.107	3.345	3.698	146.179
151.268	136.087	115.213	67.658	26.817	9.063	3.323	3.644	153.713
159.078	136.060	115.170	67.885	26.720	9.019	3.301	3.592	161.620
166.078	136.040	115.134	68.071	26.642	8.982	3.282	3.549	168.708
174.618	136.020	115.094	68.280	26.559	8.941	3.260	3.501	177.354
182.271	136.005	115.060	68.450	26.493	8.906	3.242	3.462	185.103
191.607	135.991	115.022	68.639	26.423	8.867	3.220	3.418	194.555
201.401	135.980	114.986	68.817	26.359	8.829	3.198	3.375	204.471

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.754	3.635	3.403	2.829	2.182	1.665	1.355	1.255	1.323
.852	2.995	2.788	2.284	1.731	1.302	1.051	.970	1.422
.970	3.029	2.815	2.298	1.733	1.302	1.053	.974	1.543
1.157	3.032	2.812	2.284	1.719	1.291	1.046	.968	1.732
1.320	3.017	2.795	2.265	1.705	1.286	1.047	.971	1.898
1.568	2.971	2.751	2.224	1.675	1.273	1.050	.980	2.149
1.845	2.914	2.695	2.173	1.636	1.253	1.049	.988	2.431
2.073	2.876	2.656	2.135	1.604	1.234	1.046	.992	2.662
2.402	2.827	2.596	2.069	1.557	1.213	1.043	1.000	2.996
2.668	2.809	2.570	2.035	1.526	1.196	1.043	1.004	3.266
3.046	2.793	2.550	2.008	1.495	1.172	1.041	1.011	3.650
3.450	2.792	2.541	1.985	1.471	1.147	1.035	1.017	4.061
3.770	2.798	2.541	1.973	1.454	1.132	1.027	1.018	4.385
4.216	2.814	2.548	1.965	1.434	1.116	1.016	1.015	4.838
4.566	2.829	2.557	1.962	1.423	1.106	1.009	1.011	5.194
5.053	2.854	2.574	1.961	1.412	1.096	1.003	1.007	5.689
5.564	2.880	2.593	1.965	1.404	1.086	1.001	1.007	6.207
5.963	2.901	2.609	1.969	1.400	1.079	1.002	1.010	6.612
6.517	2.927	2.631	1.976	1.395	1.071	1.003	1.017	7.175
6.951	2.946	2.648	1.982	1.393	1.067	1.005	1.023	7.615
7.556	2.970	2.669	1.991	1.391	1.062	1.006	1.031	8.230
8.194	2.991	2.690	2.001	1.390	1.058	1.008	1.038	8.878
8.697	3.005	2.704	2.009	1.389	1.056	1.009	1.041	9.388
9.397	3.022	2.722	2.019	1.389	1.054	1.011	1.045	10.099
9.940	3.033	2.734	2.026	1.390	1.052	1.013	1.048	10.650
10.687	3.047	2.748	2.037	1.391	1.050	1.015	1.052	11.409
11.461	3.058	2.760	2.047	1.392	1.048	1.017	1.057	12.195
12.061	3.065	2.769	2.054	1.393	1.047	1.019	1.061	12.804
12.888	3.073	2.778	2.063	1.395	1.045	1.021	1.066	13.644
13.530	3.077	2.784	2.070	1.397	1.045	1.023	1.070	14.296
14.415	3.082	2.791	2.079	1.399	1.044	1.025	1.075	15.195
15.337	3.085	2.796	2.088	1.402	1.043	1.027	1.079	16.131
16.054	3.087	2.800	2.094	1.404	1.043	1.028	1.081	16.858
17.045	3.089	2.803	2.102	1.406	1.043	1.029	1.084	17.865
17.816	3.090	2.805	2.107	1.408	1.043	1.030	1.086	18.648
18.884	3.090	2.807	2.114	1.410	1.043	1.031	1.089	19.732
19.999	3.091	2.808	2.120	1.413	1.043	1.032	1.091	20.864
20.867	3.091	2.809	2.125	1.415	1.044	1.033	1.093	21.746
22.070	3.091	2.809	2.130	1.417	1.045	1.034	1.094	22.968
23.008	3.091	2.809	2.134	1.419	1.046	1.034	1.095	23.920
24.307	3.090	2.809	2.138	1.421	1.047	1.035	1.096	25.239
25.665	3.090	2.808	2.142	1.424	1.048	1.035	1.097	26.618
26.724	3.090	2.808	2.144	1.426	1.049	1.036	1.097	27.694
28.192	3.089	2.807	2.147	1.428	1.050	1.036	1.097	29.184

MACH NO = 3.50 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
29.337	3.089	2.806	2.148	1.430	1.051	1.037	1.097	30.347
30.925	3.089	2.806	2.150	1.432	1.052	1.037	1.096	31.959
32.162	3.089	2.805	2.151	1.434	1.053	1.037	1.096	33.216
33.879	3.089	2.804	2.151	1.437	1.054	1.037	1.096	34.959
35.674	3.090	2.803	2.151	1.439	1.055	1.038	1.096	36.781
37.074	3.090	2.803	2.151	1.441	1.056	1.038	1.096	38.203
39.015	3.090	2.802	2.150	1.444	1.056	1.039	1.095	40.174
40.529	3.091	2.802	2.150	1.446	1.057	1.039	1.095	41.711
42.629	3.091	2.801	2.148	1.449	1.058	1.039	1.095	43.843
44.825	3.092	2.801	2.147	1.452	1.058	1.040	1.095	46.073
46.538	3.093	2.801	2.145	1.454	1.059	1.040	1.095	47.813
48.913	3.093	2.800	2.143	1.456	1.059	1.041	1.095	50.225
50.766	3.094	2.800	2.142	1.458	1.059	1.041	1.095	52.106
53.335	3.095	2.800	2.140	1.461	1.060	1.042	1.094	54.715
56.023	3.096	2.800	2.138	1.463	1.060	1.042	1.094	57.445
58.120	3.096	2.801	2.136	1.465	1.060	1.042	1.094	59.574
61.028	3.097	2.801	2.134	1.467	1.061	1.043	1.094	62.527
63.297	3.097	2.801	2.132	1.468	1.061	1.043	1.094	64.831
66.444	3.098	2.801	2.130	1.470	1.061	1.043	1.094	68.026
69.736	3.098	2.802	2.128	1.471	1.061	1.044	1.094	71.369
72.305	3.099	2.802	2.126	1.472	1.062	1.044	1.094	73.977
75.868	3.099	2.802	2.124	1.473	1.062	1.044	1.093	77.595
78.648	3.099	2.803	2.123	1.474	1.062	1.044	1.093	80.418
82.504	3.100	2.803	2.121	1.475	1.062	1.045	1.093	84.334
86.540	3.100	2.803	2.120	1.476	1.063	1.045	1.093	88.432
89.688	3.100	2.804	2.118	1.476	1.063	1.045	1.093	91.629
94.057	3.100	2.804	2.117	1.477	1.063	1.045	1.092	96.065
97.466	3.100	2.804	2.116	1.477	1.064	1.045	1.092	99.526
102.195	3.100	2.805	2.115	1.477	1.064	1.045	1.092	104.329
107.144	3.100	2.805	2.114	1.478	1.064	1.046	1.092	109.354
111.006	3.100	2.805	2.113	1.478	1.065	1.046	1.092	113.276
116.364	3.100	2.805	2.112	1.478	1.065	1.046	1.092	118.717
120.546	3.100	2.805	2.112	1.478	1.066	1.046	1.092	122.963
126.348	3.099	2.806	2.111	1.478	1.066	1.046	1.092	128.854
132.419	3.099	2.806	2.111	1.478	1.066	1.046	1.091	135.019
137.158	3.099	2.806	2.111	1.477	1.067	1.046	1.091	139.831
143.732	3.099	2.806	2.110	1.477	1.067	1.046	1.091	146.506
148.862	3.098	2.806	2.110	1.477	1.067	1.046	1.091	151.716
155.981	3.098	2.806	2.110	1.476	1.068	1.046	1.091	158.944
163.430	3.098	2.806	2.110	1.476	1.068	1.046	1.091	166.508
169.243	3.098	2.806	2.110	1.476	1.069	1.046	1.091	172.411
177.309	3.097	2.806	2.111	1.475	1.069	1.046	1.091	180.601
183.603	3.097	2.806	2.111	1.475	1.069	1.046	1.091	186.992
192.335	3.097	2.806	2.111	1.474	1.070	1.046	1.091	195.860
201.474	3.097	2.806	2.112	1.473	1.070	1.046	1.091	205.139

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.809	5.562	5.161	4.188	3.121	2.300	1.823	1.671	1.379
.916	5.278	4.883	3.933	2.910	2.138	1.698	1.559	1.488
1.091	5.160	4.760	3.806	2.800	2.052	1.631	1.499	1.665
1.291	5.030	4.630	3.687	2.710	1.994	1.593	1.468	1.868
1.576	4.831	4.436	3.511	2.577	1.914	1.554	1.443	2.157
1.832	4.670	4.278	3.368	2.463	1.840	1.515	1.419	2.418
2.112	4.526	4.137	3.231	2.351	1.764	1.472	1.392	2.702
2.415	4.425	4.005	3.091	2.241	1.697	1.436	1.368	3.009
2.821	4.344	3.911	2.975	2.131	1.612	1.393	1.341	3.421
3.164	4.319	3.866	2.908	2.062	1.547	1.354	1.318	3.770
3.521	4.320	3.848	2.858	2.001	1.491	1.311	1.289	4.132
3.889	4.345	3.850	2.826	1.949	1.445	1.270	1.256	4.506
4.362	4.399	3.876	2.803	1.901	1.398	1.228	1.217	4.987
4.750	4.457	3.910	2.797	1.874	1.366	1.203	1.191	5.380
5.145	4.522	3.954	2.800	1.852	1.337	1.183	1.173	5.781
5.547	4.592	4.005	2.809	1.835	1.312	1.166	1.161	6.190
6.061	4.681	4.074	2.828	1.820	1.286	1.148	1.150	6.712
6.481	4.749	4.132	2.848	1.811	1.269	1.135	1.143	7.139
6.911	4.813	4.190	2.870	1.805	1.256	1.122	1.135	7.575
7.351	4.873	4.246	2.895	1.802	1.244	1.111	1.127	8.022
7.802	4.928	4.299	2.921	1.800	1.234	1.102	1.119	8.480
8.384	4.990	4.361	2.956	1.799	1.222	1.092	1.110	9.070
8.865	5.035	4.407	2.984	1.801	1.213	1.086	1.105	9.559
9.363	5.076	4.449	3.013	1.803	1.205	1.082	1.102	10.065
9.880	5.112	4.488	3.043	1.806	1.197	1.078	1.102	10.589
10.556	5.148	4.532	3.080	1.811	1.188	1.074	1.104	11.276
11.126	5.171	4.563	3.109	1.816	1.182	1.072	1.107	11.855
11.724	5.188	4.591	3.138	1.822	1.176	1.070	1.111	12.462
12.354	5.200	4.614	3.166	1.828	1.170	1.068	1.115	13.102
13.193	5.211	4.636	3.200	1.838	1.163	1.065	1.120	13.953
13.909	5.216	4.647	3.226	1.846	1.158	1.063	1.124	14.681
14.670	5.219	4.655	3.251	1.855	1.153	1.060	1.128	15.453
15.465	5.221	4.659	3.274	1.865	1.150	1.058	1.131	16.260
16.497	5.222	4.661	3.301	1.878	1.146	1.055	1.136	17.309
17.358	5.222	4.661	3.320	1.889	1.144	1.053	1.139	18.183
18.250	5.221	4.659	3.337	1.901	1.143	1.050	1.143	19.088
19.175	5.219	4.657	3.352	1.912	1.143	1.048	1.146	20.028
20.136	5.216	4.654	3.364	1.923	1.143	1.046	1.148	21.004
21.390	5.213	4.650	3.376	1.936	1.145	1.043	1.150	22.277
22.436	5.210	4.646	3.383	1.946	1.147	1.041	1.151	23.339
23.523	5.208	4.643	3.388	1.956	1.149	1.039	1.151	24.443
24.652	5.207	4.639	3.391	1.965	1.151	1.038	1.151	25.589
26.125	5.205	4.635	3.392	1.977	1.155	1.036	1.150	27.085
27.355	5.204	4.632	3.392	1.986	1.158	1.035	1.150	28.334

MACH NO = 5.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
28.634	5.203	4.630	3.390	1.995	1.161	1.034	1.149	29.632
29.962	5.203	4.628	3.386	2.004	1.165	1.034	1.149	30.982
31.696	5.203	4.625	3.381	2.015	1.169	1.034	1.148	32.742
33.145	5.204	4.624	3.376	2.023	1.172	1.034	1.147	34.213
34.650	5.205	4.623	3.370	2.031	1.176	1.034	1.146	35.742
36.215	5.206	4.622	3.364	2.039	1.178	1.034	1.144	37.330
38.257	5.208	4.622	3.356	2.047	1.182	1.034	1.143	39.404
39.963	5.210	4.622	3.349	2.054	1.184	1.035	1.141	41.136
41.735	5.212	4.622	3.342	2.059	1.186	1.036	1.140	42.956
43.578	5.214	4.623	3.335	2.064	1.188	1.036	1.139	44.807
45.493	5.216	4.624	3.328	2.069	1.190	1.037	1.138	46.752
47.993	5.219	4.625	3.319	2.074	1.192	1.038	1.136	49.291
50.082	5.221	4.626	3.313	2.077	1.193	1.039	1.135	51.412
52.253	5.223	4.628	3.306	2.079	1.195	1.040	1.135	53.616
54.510	5.225	4.629	3.300	2.081	1.196	1.041	1.134	55.908
57.457	5.228	4.631	3.293	2.083	1.198	1.042	1.133	58.901
59.920	5.229	4.633	3.288	2.084	1.199	1.043	1.132	61.402
62.481	5.231	4.634	3.283	2.085	1.200	1.044	1.131	64.002
65.144	5.232	4.636	3.278	2.085	1.201	1.044	1.131	66.706
68.621	5.233	4.638	3.273	2.085	1.203	1.045	1.130	70.237
71.528	5.234	4.639	3.269	2.084	1.204	1.046	1.129	73.188
74.551	5.234	4.640	3.266	2.083	1.205	1.047	1.129	76.258
77.694	5.234	4.641	3.264	2.082	1.207	1.047	1.128	79.450
81.800	5.235	4.643	3.261	2.080	1.208	1.048	1.128	83.620
85.234	5.234	4.643	3.259	2.079	1.210	1.048	1.128	87.106
88.804	5.234	4.644	3.258	2.077	1.211	1.049	1.127	90.731
92.518	5.234	4.645	3.257	2.075	1.212	1.049	1.127	94.502
96.380	5.233	4.645	3.256	2.073	1.214	1.050	1.127	98.424
101.427	5.232	4.645	3.256	2.071	1.215	1.050	1.126	103.549
105.646	5.231	4.645	3.257	2.069	1.217	1.051	1.126	107.833
110.035	5.230	4.645	3.257	2.066	1.218	1.051	1.126	112.290
114.599	5.230	4.645	3.258	2.064	1.219	1.051	1.126	116.924
120.563	5.228	4.645	3.259	2.061	1.221	1.051	1.126	122.980
125.549	5.227	4.645	3.261	2.059	1.222	1.051	1.125	128.043
130.735	5.226	4.645	3.262	2.056	1.223	1.052	1.125	133.309
136.128	5.226	4.644	3.264	2.054	1.224	1.052	1.125	138.785
143.174	5.224	4.644	3.266	2.051	1.225	1.052	1.125	145.940
149.065	5.224	4.644	3.269	2.049	1.226	1.052	1.125	151.921
155.190	5.223	4.643	3.271	2.046	1.227	1.052	1.125	158.142
161.561	5.222	4.643	3.273	2.044	1.228	1.052	1.125	164.610
169.882	5.221	4.642	3.276	2.041	1.228	1.052	1.125	173.060
176.838	5.220	4.642	3.278	2.038	1.229	1.052	1.124	180.123
184.071	5.220	4.642	3.280	2.036	1.230	1.052	1.124	187.467
191.591	5.219	4.641	3.283	2.034	1.230	1.052	1.124	195.104
201.414	5.219	4.641	3.285	2.031	1.231	1.052	1.124	205.078

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.854	18.246	16.782	13.290	9.586	6.839	5.294	4.812	1.424
1.041	17.729	16.272	12.837	9.255	6.622	5.151	4.695	1.614
1.262	16.835	15.401	12.069	8.683	6.261	4.926	4.513	1.839
1.572	15.658	14.266	11.079	7.951	5.785	4.633	4.284	2.153
1.927	14.559	13.198	10.134	7.216	5.288	4.318	4.041	2.514
2.252	13.819	12.430	9.404	6.641	4.904	4.078	3.854	2.844
2.671	13.233	11.752	8.685	6.052	4.477	3.824	3.666	3.269
3.035	12.960	11.397	8.268	5.662	4.153	3.594	3.496	3.639
3.482	12.859	11.171	7.889	5.273	3.831	3.322	3.267	4.093
3.932	12.960	11.116	7.645	4.975	3.569	3.095	3.051	4.550
4.306	13.161	11.174	7.514	4.787	3.385	2.945	2.905	4.930
4.751	13.500	11.340	7.428	4.609	3.197	2.798	2.771	5.381
5.117	13.831	11.538	7.401	4.491	3.068	2.692	2.681	5.753
5.551	14.243	11.823	7.409	4.381	2.943	2.576	2.584	6.193
5.977	14.651	12.131	7.452	4.301	2.843	2.471	2.491	6.626
6.326	14.991	12.393	7.507	4.249	2.773	2.394	2.415	6.981
6.739	15.407	12.708	7.590	4.200	2.698	2.314	2.329	7.400
7.079	15.760	12.973	7.672	4.167	2.642	2.257	2.264	7.745
7.482	16.177	13.299	7.782	4.137	2.580	2.199	2.198	8.154
7.882	16.566	13.634	7.901	4.114	2.525	2.150	2.144	8.560
8.214	16.858	13.917	8.007	4.098	2.483	2.114	2.108	8.898
8.613	17.160	14.251	8.140	4.083	2.439	2.076	2.074	9.303
8.949	17.368	14.517	8.256	4.074	2.406	2.047	2.052	9.644
9.357	17.565	14.814	8.401	4.067	2.370	2.013	2.028	10.059
9.775	17.707	15.078	8.552	4.064	2.337	1.981	2.007	10.483
10.131	17.786	15.266	8.685	4.065	2.310	1.955	1.989	10.845
10.573	17.840	15.451	8.852	4.069	2.278	1.924	1.967	11.293
10.955	17.857	15.569	8.997	4.075	2.251	1.899	1.947	11.681
11.433	17.854	15.666	9.179	4.085	2.219	1.868	1.922	12.167
11.937	17.836	15.714	9.368	4.099	2.186	1.839	1.897	12.679
12.380	17.815	15.720	9.528	4.113	2.158	1.816	1.877	13.129
12.944	17.783	15.694	9.721	4.134	2.125	1.790	1.856	13.701
13.548	17.745	15.640	9.909	4.160	2.090	1.764	1.840	14.314
14.084	17.713	15.581	10.056	4.186	2.060	1.743	1.831	14.859
14.773	17.684	15.500	10.212	4.224	2.024	1.717	1.826	15.558
15.390	17.669	15.426	10.323	4.262	1.994	1.694	1.825	16.184
16.186	17.660	15.339	10.426	4.319	1.959	1.664	1.824	16.993
17.049	17.656	15.267	10.495	4.388	1.928	1.630	1.822	17.869
17.823	17.653	15.222	10.524	4.455	1.905	1.600	1.818	18.655
18.824	17.649	15.187	10.528	4.549	1.882	1.563	1.809	19.672
19.724	17.643	15.171	10.509	4.638	1.867	1.531	1.799	20.586
20.889	17.632	15.164	10.466	4.754	1.856	1.494	1.786	21.769
22.134	17.621	15.167	10.409	4.874	1.851	1.457	1.772	23.032
23.215	17.613	15.175	10.355	4.971	1.853	1.428	1.759	24.130

MACH NO = 10.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
24.569	17.602	15.184	10.286	5.076	1.861	1.396	1.740	25.505
25.745	17.594	15.193	10.230	5.152	1.872	1.372	1.721	26.700
27.220	17.588	15.204	10.165	5.228	1.889	1.346	1.694	28.197
28.764	17.588	15.212	10.104	5.287	1.910	1.324	1.666	29.765
30.108	17.593	15.217	10.056	5.327	1.930	1.308	1.643	31.129
31.790	17.602	15.222	10.001	5.363	1.957	1.292	1.617	32.838
33.254	17.612	15.225	9.958	5.385	1.980	1.281	1.597	34.324
35.087	17.627	15.229	9.909	5.404	2.009	1.271	1.574	36.185
37.007	17.642	15.233	9.864	5.415	2.036	1.261	1.551	38.135
38.676	17.656	15.237	9.829	5.420	2.058	1.254	1.533	39.830
40.767	17.672	15.244	9.790	5.419	2.083	1.247	1.511	41.953
42.586	17.684	15.250	9.760	5.415	2.102	1.242	1.493	43.800
44.863	17.697	15.259	9.728	5.405	2.123	1.237	1.473	46.113
47.251	17.708	15.268	9.699	5.390	2.142	1.233	1.456	48.537
49.328	17.716	15.277	9.677	5.376	2.157	1.230	1.442	50.646
51.931	17.723	15.287	9.654	5.356	2.172	1.229	1.428	53.289
54.661	17.729	15.298	9.635	5.334	2.186	1.228	1.415	56.062
57.038	17.732	15.306	9.622	5.316	2.196	1.228	1.405	58.475
60.018	17.734	15.314	9.610	5.293	2.207	1.229	1.394	61.501
62.613	17.735	15.320	9.603	5.273	2.216	1.230	1.385	64.136
65.867	17.735	15.326	9.599	5.250	2.226	1.231	1.375	67.440
69.282	17.733	15.330	9.599	5.226	2.234	1.233	1.365	70.908
72.256	17.731	15.332	9.602	5.207	2.241	1.235	1.358	73.928
75.986	17.728	15.334	9.608	5.183	2.247	1.237	1.351	77.715
79.235	17.725	15.334	9.616	5.164	2.252	1.239	1.345	81.014
83.309	17.720	15.333	9.628	5.142	2.257	1.241	1.339	85.152
87.585	17.715	15.331	9.642	5.120	2.262	1.243	1.333	89.493
91.308	17.711	15.329	9.655	5.103	2.265	1.244	1.329	93.274
95.978	17.705	15.326	9.672	5.083	2.268	1.246	1.324	98.015
100.044	17.701	15.323	9.688	5.067	2.270	1.247	1.320	102.144
105.142	17.696	15.319	9.707	5.048	2.272	1.248	1.316	107.321
110.490	17.690	15.316	9.726	5.031	2.273	1.248	1.311	112.752
115.146	17.686	15.312	9.742	5.017	2.274	1.249	1.308	117.480
120.984	17.682	15.309	9.762	5.001	2.274	1.249	1.305	123.407
126.065	17.678	15.305	9.778	4.988	2.274	1.249	1.302	128.567
132.435	17.674	15.302	9.797	4.973	2.274	1.248	1.299	135.035
139.114	17.671	15.298	9.815	4.960	2.273	1.248	1.297	141.817
144.927	17.668	15.296	9.830	4.949	2.272	1.248	1.295	147.720
152.213	17.666	15.293	9.846	4.936	2.271	1.248	1.293	155.118
158.552	17.664	15.290	9.860	4.926	2.270	1.248	1.291	161.556
166.497	17.662	15.288	9.875	4.915	2.268	1.248	1.289	169.623
174.825	17.661	15.285	9.889	4.905	2.267	1.248	1.287	178.079
182.071	17.660	15.283	9.900	4.897	2.265	1.247	1.285	185.437
191.150	17.659	15.281	9.912	4.888	2.263	1.247	1.284	194.656
200.667	17.659	15.279	9.924	4.880	2.261	1.247	1.282	204.319

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.890	39.912	36.651	28.676	20.679	14.658	11.306	10.265	1.461
1.080	38.222	35.012	27.489	19.728	14.070	10.921	9.945	1.654
1.351	35.608	32.487	25.306	18.116	13.042	10.285	9.437	1.929
1.668	32.892	29.882	23.041	16.433	11.939	9.586	8.886	2.251
2.026	30.495	27.533	20.965	14.812	10.825	8.867	8.321	2.615
2.485	28.474	25.308	18.775	13.116	9.685	8.178	7.786	3.081
2.902	27.447	24.124	17.493	11.983	8.784	7.570	7.335	3.504
3.328	27.001	23.423	16.518	11.054	8.034	6.956	6.826	3.937
3.757	27.036	23.123	15.855	10.325	7.424	6.431	6.335	4.372
4.181	27.445	23.145	15.410	9.775	6.914	6.019	5.935	4.803
4.598	28.122	23.417	15.144	9.345	6.487	5.687	5.632	5.227
5.074	29.087	23.959	14.994	8.959	6.089	5.354	5.351	5.710
5.471	29.945	24.538	14.972	8.712	5.821	5.100	5.133	6.113
5.857	30.800	25.156	15.020	8.523	5.604	4.873	4.923	6.505
6.233	31.690	25.782	15.118	8.374	5.420	4.675	4.722	6.887
6.599	32.639	26.418	15.255	8.253	5.257	4.506	4.537	7.258
7.014	33.798	27.201	15.450	8.141	5.088	4.341	4.350	7.679
7.361	34.782	27.921	15.642	8.064	4.959	4.223	4.218	8.031
7.701	35.707	28.682	15.851	8.000	4.846	4.121	4.109	8.377
8.036	36.540	29.466	16.073	7.947	4.748	4.032	4.020	8.717
8.369	37.258	30.251	16.308	7.904	4.661	3.951	3.946	9.055
8.700	37.855	31.011	16.554	7.869	4.585	3.876	3.883	9.391
9.088	38.396	31.839	16.859	7.840	4.505	3.793	3.817	9.785
9.424	38.730	32.477	17.138	7.823	4.440	3.725	3.763	10.126
9.765	38.951	33.038	17.437	7.811	4.377	3.659	3.709	10.472
10.113	39.072	33.511	17.758	7.802	4.314	3.595	3.653	10.826
10.470	39.113	33.890	18.104	7.798	4.250	3.532	3.595	11.189
10.902	39.087	34.205	18.540	7.797	4.174	3.461	3.526	11.628
11.289	39.021	34.363	18.940	7.799	4.108	3.403	3.467	12.021
11.694	38.921	34.420	19.362	7.804	4.041	3.348	3.411	12.432
12.121	38.792	34.389	19.801	7.811	3.973	3.297	3.360	12.865
12.569	38.646	34.284	20.248	7.821	3.903	3.248	3.318	13.320
13.040	38.506	34.117	20.687	7.836	3.832	3.202	3.286	13.799
13.624	38.385	33.851	21.173	7.860	3.745	3.149	3.262	14.391
14.159	38.332	33.575	21.552	7.891	3.669	3.100	3.251	14.935
14.732	38.319	33.284	21.885	7.935	3.593	3.048	3.245	15.517
15.348	38.330	33.015	22.155	7.998	3.517	2.990	3.241	16.142
16.014	38.355	32.798	22.350	8.085	3.443	2.925	3.232	16.819
16.861	38.385	32.624	22.466	8.225	3.361	2.841	3.212	17.679
17.640	38.404	32.548	22.474	8.383	3.297	2.765	3.185	18.469
18.474	38.407	32.524	22.408	8.578	3.238	2.686	3.153	19.316
19.375	38.403	32.539	22.280	8.813	3.188	2.604	3.118	20.231
20.357	38.392	32.576	22.098	9.086	3.149	2.518	3.083	21.228
21.426	38.362	32.627	21.981	9.385	3.123	2.432	3.047	22.314

MACH NO = 15.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
22.786	38.301	32.702	21.621	9.738	3.108	2.333	3.001	23.694
24.030	38.252	32.772	21.418	10.012	3.105	2.254	2.953	24.957
25.329	38.218	32.829	21.242	10.243	3.110	2.183	2.897	26.277
26.688	38.205	32.864	21.087	10.425	3.123	2.119	2.834	27.657
28.108	38.211	32.881	20.948	10.562	3.145	2.065	2.770	29.099
29.592	38.231	32.886	20.820	10.659	3.177	2.018	2.705	30.605
31.407	38.266	32.884	20.685	10.729	3.224	1.972	2.633	32.449
33.039	38.305	32.880	20.578	10.762	3.271	1.939	2.572	34.106
34.743	38.349	32.877	20.483	10.777	3.322	1.910	2.513	35.836
36.522	38.390	32.875	20.398	10.775	3.376	1.885	2.455	37.642
38.380	38.426	32.878	20.324	10.756	3.433	1.862	2.399	39.529
40.652	38.461	32.890	20.248	10.712	3.500	1.839	2.337	41.836
42.694	38.484	32.907	20.191	10.659	3.556	1.822	2.288	43.910
44.828	38.503	32.928	20.139	10.597	3.607	1.807	2.243	46.077
47.059	38.517	32.952	20.091	10.532	3.653	1.793	2.201	48.342
49.391	38.528	32.977	20.049	10.468	3.694	1.780	2.161	50.711
51.831	38.536	33.002	20.013	10.406	3.729	1.768	2.124	53.188
54.819	38.542	33.029	19.980	10.335	3.764	1.755	2.083	56.222
57.509	38.546	33.049	19.960	10.274	3.788	1.744	2.049	58.954
60.324	38.548	33.066	19.949	10.213	3.809	1.734	2.017	61.812
63.269	38.547	33.078	19.947	10.153	3.827	1.725	1.988	64.802
66.351	38.545	33.087	19.953	10.093	3.843	1.718	1.960	67.931
70.127	38.540	33.092	19.970	10.025	3.861	1.711	1.931	71.766
73.527	38.534	33.093	19.992	9.969	3.874	1.707	1.908	75.218
77.084	38.526	33.091	20.020	9.914	3.885	1.704	1.886	78.830
80.806	38.517	33.088	20.054	9.861	3.893	1.701	1.866	82.610
84.700	38.507	33.082	20.093	9.811	3.899	1.700	1.846	86.564
88.774	38.496	33.075	20.136	9.764	3.901	1.698	1.828	90.701
93.766	38.483	33.066	20.189	9.711	3.902	1.697	1.808	95.769
98.257	38.472	33.058	20.237	9.668	3.901	1.695	1.791	100.330
102.956	38.461	33.049	20.285	9.627	3.898	1.693	1.776	105.101
107.870	38.450	33.041	20.333	9.589	3.895	1.692	1.761	110.091
113.009	38.441	33.033	20.381	9.553	3.890	1.690	1.748	115.310
119.303	38.430	33.023	20.435	9.513	3.884	1.688	1.733	121.701
124.965	38.422	33.015	20.480	9.482	3.878	1.687	1.721	127.450
130.885	38.415	33.008	20.523	9.453	3.871	1.686	1.711	133.461
137.073	38.409	33.001	20.564	9.426	3.864	1.685	1.701	139.745
143.543	38.404	32.994	20.603	9.400	3.856	1.684	1.691	146.315
150.307	38.399	32.987	20.641	9.376	3.849	1.682	1.682	153.182
158.585	38.395	32.980	20.681	9.351	3.840	1.681	1.672	161.588
166.028	38.392	32.974	20.714	9.331	3.832	1.679	1.665	169.147
173.808	38.390	32.969	20.744	9.313	3.824	1.678	1.658	177.046
181.938	38.389	32.963	20.772	9.296	3.817	1.676	1.651	185.302
190.434	38.388	32.959	20.799	9.280	3.809	1.675	1.645	193.929
200.831	38.387	32.953	20.827	9.264	3.800	1.673	1.638	204.487

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	91.656	73.042	53.754	38.976	30.488	27.797	1.297
.890	71.267	65.527	51.876	37.475	26.842	20.879	19.019	1.461
1.082	67.111	61.447	48.155	34.422	24.485	19.026	17.347	1.656
1.407	61.461	56.000	43.487	31.078	22.377	17.644	16.189	1.986
1.774	56.576	51.322	39.426	28.025	20.367	16.414	15.244	2.318
2.166	51.806	46.618	35.170	24.705	18.097	14.935	14.079	2.756
2.567	49.043	43.469	32.021	22.244	16.386	13.871	13.248	3.164
3.056	47.214	41.238	29.522	20.016	14.611	12.604	12.260	3.660
3.482	46.714	40.232	27.975	18.493	13.376	11.581	11.373	4.091
3.972	47.112	39.874	26.784	17.151	12.214	10.611	10.460	4.591
4.386	48.081	40.120	26.141	16.289	11.398	9.960	9.850	5.011
4.791	49.410	40.746	25.768	15.609	10.725	9.415	9.366	5.422
5.240	51.118	41.789	25.578	15.005	10.100	8.863	8.888	5.887
5.629	52.580	42.808	25.575	14.616	9.675	8.444	8.510	6.273
6.058	54.364	44.132	25.697	14.267	9.267	8.020	8.095	6.708
6.413	56.011	45.099	25.881	14.028	8.968	7.710	7.769	7.069
6.813	58.056	46.413	26.164	13.803	8.662	7.405	7.433	7.475
7.146	59.862	47.633	26.449	13.648	8.430	7.185	7.188	7.813
7.523	61.876	49.168	26.821	13.500	8.194	6.966	6.951	8.196
7.840	63.453	50.553	27.165	13.396	8.018	6.802	6.784	8.518
8.151	64.846	51.960	27.528	13.309	7.865	6.656	6.643	8.834
8.511	66.210	53.577	27.975	13.227	7.708	6.509	6.501	9.200
8.818	67.150	54.898	28.382	13.172	7.587	6.376	6.394	9.512
9.178	67.978	56.320	28.890	13.123	7.457	6.238	6.276	9.876
9.488	68.467	57.410	29.358	13.089	7.350	6.125	6.178	10.191
9.855	68.805	58.509	29.952	13.058	7.226	5.997	6.063	10.565
10.177	68.928	59.286	30.505	13.037	7.119	5.891	5.964	10.891
10.563	68.924	59.985	31.208	13.018	6.991	5.772	5.846	11.283
10.906	68.924	60.394	31.862	13.007	6.881	5.675	5.746	11.631
11.323	68.614	60.651	32.682	12.997	6.751	5.566	5.633	12.054
11.697	68.361	60.694	33.431	12.991	6.638	5.479	5.543	12.435
12.090	68.057	60.592	34.209	12.987	6.525	5.397	5.463	12.833
12.568	67.699	60.312	35.127	12.987	6.391	5.306	5.388	13.319
13.000	67.442	59.937	35.902	12.991	6.274	5.232	5.339	13.758
13.533	67.250	59.362	36.766	13.005	6.134	5.145	5.300	14.299
14.019	67.192	58.791	37.451	13.030	6.009	5.067	5.279	14.793
14.628	67.189	58.119	38.155	13.081	5.859	4.966	5.262	15.411
15.131	67.246	57.610	38.646	13.154	5.730	4.869	5.247	15.982
15.901	67.337	57.148	39.047	13.285	5.580	4.743	5.219	16.703
16.545	67.416	56.898	39.226	13.447	5.455	4.626	5.183	17.357
17.223	67.457	56.766	39.255	13.662	5.336	4.504	5.135	18.046
18.067	67.508	56.739	39.123	13.993	5.205	4.354	5.068	18.903
18.846	67.514	56.788	38.883	14.352	5.107	4.220	5.009	19.694
19.834	67.510	56.896	38.476	14.858	5.013	4.059	4.941	20.697
20.763	67.457	57.015	38.053	15.358	4.953	3.917	4.887	21.641

MACH NO = 20.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
21.964	67.330	57.183	37.534	15.986	4.905	3.749	4.822	22.860
23.104	67.296	57.342	37.113	16.521	4.880	3.605	4.755	24.018
24.576	67.102	57.514	36.696	17.075	4.869	3.448	4.657	25.471
25.822	67.062	57.589	36.402	17.460	4.873	3.327	4.555	26.778
27.395	67.065	57.627	36.106	17.795	4.895	3.204	4.424	28.375
28.808	67.098	57.627	35.880	17.992	4.927	3.114	4.308	29.810
30.283	67.155	57.611	35.672	18.118	4.972	3.035	4.193	31.308
32.085	67.248	57.588	35.452	18.198	5.039	2.957	4.062	33.138
33.702	67.335	57.567	35.287	18.226	5.109	2.899	3.953	34.779
35.676	67.426	57.548	35.120	18.216	5.205	2.841	3.829	36.783
37.446	67.499	57.545	34.999	18.167	5.295	2.798	3.726	38.581
39.609	67.548	57.561	34.880	18.059	5.404	2.755	3.611	40.777
41.550	67.585	57.599	34.792	17.933	5.496	2.722	3.518	42.748
43.922	67.616	57.635	34.698	17.771	5.600	2.687	3.417	45.157
46.053	67.634	57.680	34.623	17.636	5.682	2.659	3.338	47.321
48.270	67.646	57.726	34.555	17.508	5.756	2.632	3.264	49.581
51.002	67.658	57.781	34.488	17.366	5.829	2.601	3.183	52.346
53.450	67.667	57.824	34.443	17.248	5.880	2.575	3.119	54.832
56.446	67.675	57.867	34.406	17.113	5.927	2.546	3.047	57.874
59.140	67.680	57.897	34.389	17.000	5.963	2.521	2.988	60.610
62.438	67.692	57.922	34.387	16.870	6.001	2.495	2.923	63.958
65.403	67.680	57.936	34.401	16.761	6.031	2.475	2.871	66.969
69.032	67.674	57.944	34.433	16.637	6.062	2.454	2.814	70.654
72.295	67.664	57.945	34.475	16.535	6.081	2.439	2.769	73.968
76.289	67.649	57.941	34.538	16.422	6.097	2.424	2.720	78.023
79.880	67.633	57.933	34.604	16.328	6.106	2.413	2.681	81.669
83.632	67.615	57.922	34.678	16.239	6.109	2.403	2.645	85.480
88.224	67.593	57.908	34.773	16.149	6.109	2.392	2.605	90.143
92.352	67.573	57.894	34.858	16.059	6.104	2.384	2.573	94.334
97.403	67.550	57.877	34.961	15.969	6.097	2.376	2.537	99.463
101.942	67.531	57.862	35.050	15.897	6.088	2.370	2.508	104.072
107.496	67.511	57.845	35.154	15.819	6.076	2.363	2.477	109.711
112.486	67.495	57.831	35.241	15.757	6.063	2.358	2.451	114.778
118.589	67.477	57.815	35.340	15.689	6.046	2.352	2.423	120.976
124.073	67.464	57.801	35.421	15.635	6.030	2.348	2.400	126.544
129.800	67.453	57.788	35.499	15.586	6.013	2.343	2.378	132.359
136.802	67.441	57.773	35.586	15.532	5.993	2.338	2.354	139.470
143.092	67.432	57.761	35.656	15.490	5.976	2.333	2.333	145.857
150.782	67.424	57.748	35.733	15.445	5.955	2.328	2.311	153.665
157.688	67.418	57.737	35.795	15.410	5.938	2.322	2.292	160.678
166.129	67.413	57.724	35.862	15.373	5.919	2.316	2.271	169.249
173.710	67.410	57.715	35.916	15.344	5.902	2.311	2.255	176.947
182.975	67.407	57.704	35.974	15.314	5.884	2.305	2.236	186.355
191.294	67.406	57.695	36.020	15.290	5.868	2.300	2.221	194.832
201.461	67.406	57.685	36.070	15.266	5.851	2.294	2.205	205.126

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	152.229	140.865	113.431	83.400	60.421	47.223	43.052	1.297
.891	110.799	101.852	80.583	58.157	41.612	32.343	29.451	1.461
1.124	103.071	94.293	73.778	52.694	37.469	29.106	26.539	1.698
1.405	95.398	86.903	67.447	48.165	34.653	27.307	25.052	1.984
1.789	86.540	78.413	60.081	42.620	30.983	25.041	23.300	2.374
2.160	80.238	72.184	54.427	38.209	27.972	23.072	21.741	2.751
2.628	75.294	66.610	48.848	33.807	24.877	21.128	20.225	3.225
3.115	72.694	63.322	45.081	30.440	22.184	19.150	18.661	3.720
3.536	72.375	61.875	42.781	28.142	20.321	17.594	17.289	4.147
4.022	72.829	61.426	40.996	26.126	18.561	16.140	15.914	4.641
4.431	74.412	61.869	40.037	24.820	17.324	15.159	15.004	5.056
4.894	76.873	63.088	39.415	23.641	16.157	14.202	14.165	5.527
5.341	79.501	64.758	39.180	22.763	15.246	13.372	13.441	5.981
5.712	81.763	66.326	39.202	22.195	14.621	12.746	12.863	6.357
6.129	84.556	68.185	39.404	21.675	14.014	12.113	12.231	6.781
6.474	87.173	69.871	39.690	21.317	13.565	11.653	11.740	7.131
6.862	90.424	71.868	40.117	20.977	13.103	11.200	11.240	7.525
7.237	93.702	74.119	40.622	20.706	12.702	10.823	10.823	7.905
7.549	96.374	76.198	41.099	20.516	12.403	10.545	10.526	8.223
7.905	99.195	78.736	41.696	20.332	12.102	10.261	10.238	8.584
8.205	101.296	80.939	42.238	20.202	11.878	10.042	10.031	8.889
8.552	103.341	83.452	42.907	20.079	11.647	9.807	9.819	9.241
8.896	104.940	85.823	43.620	19.984	11.440	9.589	9.628	9.591
9.192	105.959	87.691	44.277	19.918	11.272	9.410	9.473	9.891
9.540	106.759	89.635	45.106	19.854	11.082	9.210	9.294	10.245
9.843	107.148	91.074	45.879	19.808	10.919	9.044	9.141	10.552
10.203	107.320	92.457	46.865	19.763	10.727	8.858	8.960	10.917
10.574	107.260	93.496	47.948	19.727	10.532	8.679	8.778	11.294
10.903	107.061	94.097	48.958	19.702	10.363	8.533	8.625	11.628
11.302	106.674	94.466	50.228	19.678	10.167	8.371	8.454	12.034
11.661	106.220	94.516	51.388	19.659	9.998	8.241	8.319	12.398
12.099	105.606	94.294	52.798	19.641	9.801	8.100	8.182	12.843
12.558	105.018	93.790	54.223	19.628	9.604	7.967	8.073	13.308
12.970	104.622	93.139	55.427	19.621	9.430	7.858	8.003	13.727
13.479	104.343	92.159	56.778	19.622	9.221	7.728	7.947	14.244
13.943	104.256	91.208	57.858	19.638	9.034	7.610	7.915	14.715
14.522	104.292	90.106	58.981	19.687	8.809	7.458	7.886	15.303
15.148	104.428	89.149	59.892	19.783	8.579	7.287	7.852	15.939
15.724	104.580	88.519	60.446	19.921	8.379	7.123	7.809	16.523
16.426	104.746	88.056	60.797	20.161	8.152	6.921	7.738	17.237
17.060	104.840	87.863	60.850	20.451	7.963	6.738	7.659	17.880
17.845	104.910	87.835	60.651	20.909	7.754	6.517	7.555	18.678
18.692	104.959	87.951	60.199	21.508	7.570	6.286	7.448	19.537
19.477	104.966	88.117	59.635	22.138	7.439	6.082	7.363	20.335
20.478	104.877	88.359	58.839	22.999	7.321	5.839	7.275	21.351

MACH NO = 25.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
21.422	104.705	88.605	58.118	23.812	7.246	5.625	7.201	22.309
22.645	104.461	88.922	57.314	24.788	7.184	5.373	7.101	23.551
23.811	104.277	89.170	56.698	25.582	7.154	5.159	6.987	24.735
25.259	104.157	89.372	56.113	26.368	7.147	4.928	6.815	26.206
26.783	104.152	89.447	55.633	26.965	7.165	4.726	6.613	27.753
28.150	104.194	89.447	55.276	27.327	7.195	4.576	6.430	29.142
29.821	104.299	89.407	54.896	27.593	7.250	4.423	6.215	30.839
31.320	104.431	89.362	54.601	27.720	7.318	4.310	6.036	32.361
33.149	104.599	89.307	54.299	27.786	7.423	4.197	5.832	34.218
35.069	104.750	89.265	54.044	27.772	7.551	4.101	5.634	36.167
36.789	104.853	89.252	53.860	27.687	7.673	4.030	5.469	37.914
38.890	104.942	89.270	53.684	27.497	7.825	3.959	5.285	40.047
40.773	104.998	89.313	53.556	27.277	7.960	3.904	5.135	41.959
43.074	105.041	89.382	53.421	26.997	8.116	3.847	4.972	44.296
45.492	105.067	89.465	53.293	26.730	8.263	3.793	4.823	46.751
47.664	105.082	89.541	53.194	26.518	8.377	3.749	4.706	48.957
50.320	105.097	89.628	53.095	26.283	8.487	3.698	4.581	51.654
52.706	105.110	89.698	53.027	26.088	8.564	3.656	4.480	54.077
55.625	105.124	89.767	52.971	25.869	8.641	3.606	4.368	57.041
58.697	105.134	89.821	52.942	25.656	8.709	3.560	4.261	60.159
61.457	105.140	89.855	52.939	25.479	8.762	3.522	4.174	62.962
64.834	105.140	89.881	52.963	25.277	8.816	3.482	4.077	66.391
67.869	105.134	89.893	53.005	25.110	8.853	3.450	3.999	69.473
71.580	105.118	89.895	53.080	24.924	8.884	3.418	3.916	73.242
75.486	105.096	89.887	53.181	24.747	8.904	3.388	3.839	77.208
78.995	105.071	89.875	53.285	24.601	8.913	3.365	3.778	80.771
83.288	105.038	89.856	53.424	24.438	8.913	3.341	3.712	85.130
87.144	105.008	89.836	53.554	24.304	8.907	3.322	3.657	89.045
91.860	104.972	89.812	53.713	24.155	8.895	3.302	3.597	93.834
96.821	104.937	89.785	53.878	24.015	8.881	3.284	3.539	98.871
101.277	104.908	89.763	54.020	23.903	8.865	3.270	3.492	103.396
106.724	104.876	89.736	54.185	23.781	8.840	3.255	3.440	108.928
111.617	104.851	89.714	54.324	23.683	8.815	3.244	3.397	113.896
117.598	104.825	89.689	54.481	23.579	8.784	3.231	3.350	119.969
123.885	104.802	89.664	54.632	23.482	8.750	3.218	3.304	126.354
129.531	104.785	89.644	54.755	23.407	8.720	3.207	3.266	132.086
136.429	104.767	89.621	54.891	23.326	8.684	3.194	3.224	139.091
142.621	104.755	89.602	55.001	23.262	8.654	3.182	3.188	145.379
150.188	104.742	89.581	55.122	23.194	8.618	3.169	3.148	153.062
158.139	104.733	89.561	55.235	23.134	8.584	3.155	3.110	161.135
165.274	104.726	89.545	55.326	23.087	8.555	3.144	3.079	168.381
173.991	104.720	89.526	55.424	23.038	8.522	3.130	3.045	177.233
181.814	104.717	89.511	55.502	23.001	8.495	3.119	3.018	185.176
191.368	104.715	89.495	55.587	22.962	8.465	3.107	2.988	194.878
201.406	104.714	89.480	55.665	22.929	8.436	3.096	2.960	205.070

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.891	159.119	146.251	115.669	83.435	59.666	46.355	42.204	1.462
1.124	147.962	135.346	105.867	75.583	53.722	41.718	38.035	1.698
1.455	134.996	122.869	95.175	67.901	48.931	38.687	35.548	2.035
1.787	124.095	112.426	86.114	61.064	44.376	35.852	33.354	2.372
2.222	113.768	102.005	76.624	53.711	39.383	32.605	30.780	2.813
2.691	107.070	94.529	69.038	47.605	34.987	29.812	28.615	3.290
3.108	104.019	90.584	64.465	43.521	31.714	27.372	26.672	3.713
3.597	103.094	88.247	60.686	39.731	28.638	24.803	24.390	4.209
4.079	104.406	87.789	58.244	36.946	26.180	22.791	22.484	4.700
4.484	106.806	88.540	56.947	35.129	24.453	21.424	21.226	5.110
4.942	110.381	90.372	56.110	33.488	22.829	20.077	20.051	5.576
5.384	114.124	92.789	55.809	32.269	21.562	18.906	19.023	6.024
5.749	117.358	95.019	55.855	31.475	20.687	18.023	18.199	6.395
6.160	121.398	97.651	56.148	30.743	19.832	17.135	17.302	6.812
6.555	125.858	100.388	56.633	30.160	19.099	16.391	16.501	7.213
6.881	129.907	102.927	57.157	29.754	18.545	15.854	15.907	7.544
7.249	134.631	106.173	57.864	29.369	17.980	15.323	15.322	7.918
7.606	139.081	109.688	58.647	29.057	17.495	14.870	14.843	8.281
7.905	142.520	112.832	59.364	28.835	17.136	14.529	14.501	8.584
8.248	145.994	116.529	60.248	28.621	16.773	14.169	14.161	8.933
8.587	148.841	120.127	61.188	28.450	16.453	13.839	13.865	9.277
8.876	150.773	123.042	62.046	28.332	16.203	13.573	13.631	9.570
9.214	152.444	126.167	63.122	28.219	15.926	13.278	13.371	9.913
9.554	153.523	128.931	64.295	28.124	15.655	12.995	13.115	10.258
9.849	154.036	130.976	65.393	28.054	15.423	12.761	12.894	10.558
10.201	154.246	132.941	66.793	27.985	15.149	12.497	12.635	10.916
10.563	154.129	134.416	68.334	27.928	14.872	12.245	12.376	11.283
10.884	153.813	135.271	69.773	27.888	14.633	12.040	12.158	11.609
11.274	153.212	135.800	71.585	27.847	14.356	11.813	11.915	12.005
11.683	152.387	135.857	73.527	27.809	14.080	11.601	11.695	12.420
12.049	151.590	135.560	75.258	27.780	13.845	11.432	11.531	12.792
12.494	150.710	134.829	77.301	27.751	13.571	11.247	11.377	13.244
12.962	150.043	133.689	79.320	27.726	13.290	11.068	11.264	13.719
13.385	149.702	132.434	80.993	27.712	13.039	10.912	11.196	14.149
13.910	149.561	130.789	82.824	27.718	12.734	10.719	11.140	14.682
14.474	149.637	129.164	84.455	27.763	12.416	10.504	11.096	15.254
14.992	149.821	127.940	85.621	27.851	12.135	10.298	11.052	15.781
15.638	150.101	126.836	86.613	28.037	11.802	10.032	10.977	16.437
16.313	150.357	126.152	87.151	28.337	11.474	9.749	10.871	17.122
16.921	150.509	125.865	87.259	28.709	11.199	9.494	10.757	17.739
17.671	150.629	125.819	87.008	29.307	10.895	9.186	10.608	18.501
18.478	150.721	125.990	86.384	30.101	10.622	8.867	10.457	19.320
19.222	150.752	126.237	85.586	30.948	10.426	8.585	10.338	20.076
20.168	150.651	126.599	84.438	32.121	10.243	8.249	10.218	21.036

MACH NO = 30.00 CONE ANGLE = 10.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
21.213	150.370	127.031	83.204	33.446	10.107	7.903	10.107	22.097
22.378	150.007	127.509	82.022	34.837	10.009	7.550	9.979	23.281
23.492	149.723	127.889	81.111	35.992	9.957	7.245	9.829	24.411
24.911	149.521	128.208	80.215	37.185	9.937	6.905	9.592	25.852
26.405	149.479	128.342	79.507	38.114	9.952	6.606	9.306	27.369
27.746	149.528	128.343	78.983	38.690	9.982	6.381	9.041	28.731
29.384	149.674	128.281	78.435	39.126	10.040	6.151	8.729	30.395
31.104	149.903	128.189	77.940	39.363	10.134	5.954	8.423	32.141
32.645	150.118	128.109	77.568	39.457	10.245	5.808	8.169	33.706
34.525	150.347	128.033	77.196	39.453	10.406	5.663	7.880	35.615
36.498	150.525	128.002	76.892	39.308	10.591	5.540	7.600	37.618
38.265	150.637	128.018	76.679	39.062	10.762	5.449	7.368	39.413
40.423	150.729	128.084	76.474	38.670	10.974	5.354	7.111	41.603
42.688	150.786	128.185	76.289	38.243	11.190	5.268	6.873	43.904
44.721	150.813	128.288	76.138	37.897	11.370	5.200	6.687	45.968
47.206	150.834	128.417	75.975	37.524	11.558	5.125	6.489	48.491
49.819	150.853	128.546	75.838	37.172	11.715	5.051	6.309	51.144
52.166	150.871	128.648	75.742	36.883	11.827	4.989	6.165	53.528
55.035	150.892	128.749	75.661	36.559	11.941	4.918	6.004	56.442
58.054	150.910	128.830	75.617	36.246	12.043	4.850	5.850	59.507
60.797	150.921	128.881	75.610	35.985	12.121	4.795	5.724	62.261
64.083	150.925	128.921	75.639	35.692	12.196	4.735	5.584	65.629
67.572	150.917	128.940	75.707	35.411	12.253	4.680	5.454	69.172
70.707	150.899	128.943	75.798	35.182	12.290	4.636	5.352	72.355
74.539	150.868	128.933	75.940	34.926	12.316	4.590	5.241	76.246
78.570	150.828	128.913	76.116	34.680	12.324	4.546	5.138	80.339
82.190	150.788	128.890	76.288	34.478	12.320	4.512	5.054	84.016
86.617	150.737	128.858	76.507	34.251	12.307	4.475	4.961	88.510
91.272	150.686	128.823	76.739	34.035	12.290	4.441	4.870	93.237
95.453	150.642	128.791	76.944	33.861	12.270	4.415	4.796	97.482
100.563	150.593	128.753	77.187	33.671	12.239	4.386	4.712	102.671
105.935	150.548	128.715	77.428	33.494	12.199	4.360	4.632	108.126
110.758	150.512	128.684	77.631	33.354	12.160	4.339	4.567	113.024
116.652	150.475	128.647	77.860	33.202	12.111	4.314	4.494	119.008
122.846	150.442	128.612	78.080	33.064	12.059	4.290	4.425	125.298
128.405	150.417	128.583	78.259	32.955	12.012	4.270	4.367	130.943
135.196	150.392	128.550	78.458	32.838	11.957	4.246	4.302	137.839
142.332	150.370	128.518	78.645	32.733	11.902	4.222	4.239	145.085
148.734	150.355	128.492	78.796	32.651	11.856	4.202	4.187	151.586
156.554	150.341	128.463	78.961	32.564	11.803	4.178	4.130	159.526
164.768	150.330	128.435	79.115	32.488	11.752	4.156	4.076	167.867
172.137	150.323	128.412	79.238	32.429	11.710	4.138	4.033	175.350
181.135	150.317	128.386	79.371	32.369	11.662	4.118	3.986	184.487
190.586	150.314	128.362	79.495	32.316	11.617	4.099	3.942	194.083
200.511	150.312	128.339	79.608	32.271	11.574	4.082	3.902	204.161

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.683	4.380	4.114	3.454	2.696	2.081	1.708	1.586	1.249
.784	3.827	3.579	2.970	2.288	1.749	1.428	1.324	1.353
.879	3.858	3.600	2.972	2.279	1.738	1.419	1.317	1.451
1.016	3.891	3.623	2.975	2.270	1.727	1.410	1.309	1.593
1.165	3.896	3.622	2.964	2.258	1.720	1.408	1.309	1.747
1.367	3.874	3.595	2.932	2.231	1.706	1.406	1.311	1.957
1.542	3.847	3.567	2.900	2.202	1.689	1.401	1.311	2.138
1.729	3.821	3.538	2.869	2.173	1.668	1.393	1.308	2.332
1.927	3.804	3.517	2.842	2.144	1.647	1.383	1.304	2.536
2.188	3.782	3.489	2.798	2.105	1.622	1.374	1.300	2.806
2.407	3.795	3.477	2.767	2.077	1.602	1.370	1.300	3.033
2.633	3.807	3.489	2.767	2.063	1.585	1.365	1.301	3.267
2.866	3.830	3.502	2.769	2.056	1.572	1.355	1.299	3.509
3.166	3.864	3.528	2.770	2.044	1.562	1.341	1.289	3.819
3.412	3.896	3.552	2.780	2.037	1.556	1.329	1.278	4.074
3.665	3.930	3.579	2.792	2.035	1.550	1.321	1.267	4.336
3.924	3.964	3.608	2.804	2.037	1.544	1.316	1.260	4.604
4.258	4.005	3.645	2.823	2.040	1.536	1.315	1.258	4.950
4.535	4.036	3.674	2.840	2.043	1.532	1.317	1.262	5.236
4.819	4.063	3.702	2.857	2.045	1.529	1.320	1.269	5.531
5.114	4.088	3.729	2.874	2.050	1.528	1.321	1.278	5.836
5.497	4.114	3.758	2.896	2.057	1.529	1.322	1.286	6.232
5.816	4.133	3.779	2.913	2.064	1.532	1.322	1.290	6.563
6.148	4.150	3.797	2.930	2.070	1.534	1.322	1.291	6.907
6.495	4.166	3.813	2.947	2.076	1.536	1.322	1.290	7.266
6.951	4.183	3.832	2.968	2.084	1.538	1.324	1.289	7.738
7.336	4.194	3.845	2.983	2.092	1.539	1.327	1.290	8.137
7.742	4.203	3.856	2.998	2.098	1.541	1.332	1.294	8.556
8.169	4.211	3.866	3.012	2.105	1.543	1.337	1.301	8.999
8.738	4.218	3.876	3.028	2.112	1.546	1.343	1.312	9.588
9.224	4.222	3.882	3.040	2.119	1.548	1.348	1.320	10.091
9.739	4.225	3.887	3.051	2.126	1.550	1.352	1.328	10.624
10.287	4.227	3.890	3.061	2.134	1.553	1.356	1.335	11.192
11.023	4.229	3.893	3.071	2.143	1.556	1.360	1.340	11.954
11.655	4.230	3.895	3.078	2.151	1.558	1.363	1.345	12.608
12.330	4.231	3.896	3.084	2.159	1.561	1.367	1.350	13.307
13.041	4.231	3.896	3.089	2.167	1.564	1.371	1.356	14.043
13.975	4.232	3.897	3.094	2.177	1.568	1.375	1.364	15.010
14.760	4.232	3.896	3.096	2.185	1.570	1.377	1.370	15.822
15.580	4.232	3.896	3.098	2.192	1.572	1.379	1.374	16.672
16.438	4.232	3.895	3.098	2.199	1.575	1.380	1.376	17.559
17.565	4.233	3.895	3.098	2.207	1.578	1.382	1.377	18.726
18.512	4.233	3.894	3.098	2.213	1.580	1.383	1.377	19.707
19.503	4.234	3.893	3.097	2.219	1.582	1.385	1.378	20.733
20.540	4.235	3.893	3.095	2.223	1.585	1.387	1.380	21.806

MACH NO = 3.50 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
21.903	4.236	3.893	3.093	2.228	1.588	1.389	1.384	23.217
23.049	4.237	3.892	3.091	2.232	1.590	1.390	1.386	24.404
24.249	4.238	3.892	3.089	2.235	1.593	1.391	1.387	25.646
25.503	4.238	3.892	3.087	2.237	1.596	1.392	1.388	26.944
27.153	4.240	3.892	3.084	2.239	1.599	1.393	1.388	28.652
28.541	4.240	3.893	3.081	2.240	1.602	1.394	1.388	30.090
29.993	4.241	3.893	3.079	2.241	1.604	1.394	1.388	31.593
31.513	4.242	3.893	3.077	2.241	1.607	1.395	1.388	33.166
33.511	4.243	3.894	3.075	2.241	1.610	1.396	1.389	35.235
35.193	4.243	3.894	3.073	2.241	1.612	1.397	1.389	36.976
36.952	4.244	3.895	3.072	2.241	1.615	1.397	1.389	38.798
38.793	4.244	3.896	3.071	2.240	1.617	1.397	1.389	40.704
41.215	4.245	3.896	3.069	2.239	1.619	1.398	1.388	43.211
43.253	4.245	3.897	3.068	2.238	1.621	1.398	1.387	45.321
45.386	4.245	3.897	3.068	2.237	1.623	1.398	1.387	47.529
47.618	4.245	3.898	3.067	2.236	1.625	1.399	1.387	49.839
50.553	4.245	3.898	3.067	2.234	1.626	1.399	1.387	52.878
53.024	4.244	3.898	3.067	2.233	1.628	1.399	1.387	55.437
55.610	4.244	3.899	3.067	2.232	1.629	1.399	1.387	58.114
58.316	4.244	3.899	3.067	2.231	1.630	1.400	1.386	60.915
61.875	4.243	3.899	3.067	2.229	1.631	1.400	1.386	64.599
64.871	4.243	3.899	3.068	2.228	1.632	1.400	1.385	67.701
68.006	4.243	3.900	3.068	2.226	1.633	1.400	1.385	70.947
71.286	4.242	3.900	3.069	2.225	1.633	1.401	1.385	74.343
75.601	4.242	3.900	3.070	2.224	1.634	1.401	1.385	78.810
79.234	4.242	3.900	3.070	2.223	1.635	1.401	1.384	82.570
83.034	4.241	3.900	3.071	2.221	1.635	1.401	1.384	86.505
87.010	4.241	3.900	3.072	2.220	1.635	1.402	1.384	90.621
92.241	4.241	3.900	3.072	2.219	1.636	1.402	1.383	96.036
96.643	4.241	3.900	3.073	2.218	1.636	1.402	1.383	100.594
101.249	4.240	3.900	3.074	2.217	1.636	1.402	1.383	105.362
106.068	4.240	3.899	3.074	2.216	1.636	1.403	1.382	110.352
112.406	4.240	3.899	3.075	2.215	1.636	1.403	1.382	116.913
117.741	4.240	3.899	3.076	2.215	1.636	1.403	1.382	122.436
123.322	4.240	3.899	3.076	2.214	1.636	1.403	1.381	128.214
129.161	4.240	3.899	3.077	2.213	1.636	1.404	1.381	134.259
136.841	4.240	3.899	3.077	2.213	1.636	1.404	1.381	142.210
143.304	4.240	3.899	3.078	2.212	1.636	1.404	1.381	148.901
150.066	4.240	3.899	3.078	2.212	1.636	1.404	1.380	155.901
157.139	4.240	3.899	3.078	2.211	1.636	1.405	1.380	163.224
166.442	4.240	3.899	3.079	2.211	1.636	1.405	1.380	172.856
174.272	4.240	3.899	3.079	2.211	1.636	1.405	1.380	180.961
182.463	4.240	3.899	3.079	2.210	1.636	1.405	1.380	189.441
191.031	4.241	3.899	3.079	2.210	1.636	1.405	1.380	198.312
202.301	4.241	3.099	3.079	2.210	1.636	1.405	1.380	209.979

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
.708	7.465	6.965	5.738	4.360	3.270	2.626	2.417	1.274
.836	6.822	6.338	5.166	3.882	2.892	2.318	2.134	1.407
.956	6.777	6.279	5.086	3.804	2.830	2.269	2.091	1.531
1.122	6.686	6.178	4.975	3.707	2.759	2.220	2.049	1.703
1.304	6.565	6.049	4.843	3.597	2.684	2.172	2.011	1.891
1.501	6.442	5.921	4.709	3.480	2.601	2.119	1.970	2.096
1.712	6.338	5.809	4.587	3.367	2.516	2.062	1.925	2.314
1.935	6.274	5.728	4.487	3.266	2.434	2.005	1.879	2.545
2.167	6.236	5.671	4.392	3.171	2.358	1.957	1.843	2.785
2.406	6.261	5.645	4.316	3.090	2.291	1.916	1.814	3.032
2.649	6.307	5.671	4.299	3.037	2.236	1.870	1.779	3.284
2.895	6.383	5.714	4.288	2.999	2.193	1.823	1.737	3.539
3.144	6.477	5.779	4.293	2.968	2.156	1.780	1.692	3.796
3.395	6.583	5.856	4.315	2.947	2.120	1.746	1.652	4.056
3.648	6.693	5.945	4.343	2.935	2.088	1.720	1.623	4.318
3.903	6.800	6.037	4.380	2.929	2.061	1.701	1.604	4.583
4.162	6.897	6.131	4.424	2.927	2.042	1.684	1.593	4.850
4.423	6.984	6.220	4.470	2.928	2.028	1.668	1.586	5.121
4.689	7.061	6.301	4.520	2.935	2.019	1.653	1.577	5.396
4.960	7.132	6.374	4.572	2.946	2.013	1.637	1.566	5.676
5.236	7.199	6.441	4.625	2.958	2.008	1.621	1.551	5.962
5.519	7.261	6.502	4.678	2.972	2.003	1.608	1.535	6.255
5.810	7.315	6.559	4.730	2.985	1.998	1.598	1.518	6.556
6.110	7.361	6.612	4.781	3.001	1.993	1.592	1.505	6.867
6.421	7.398	6.660	4.829	3.018	1.991	1.589	1.497	7.189
6.745	7.427	6.701	4.876	3.035	1.990	1.589	1.495	7.525
7.083	7.449	6.734	4.920	3.052	1.990	1.591	1.498	7.875
7.438	7.465	6.760	4.961	3.070	1.991	1.592	1.505	8.243
7.812	7.476	6.779	5.001	3.090	1.992	1.593	1.513	8.630
8.208	7.484	6.792	5.038	3.111	1.994	1.592	1.520	9.039
8.627	7.489	6.800	5.072	3.133	1.997	1.590	1.523	9.473
9.073	7.492	6.803	5.103	3.156	2.000	1.589	1.524	9.934
9.548	7.493	6.804	5.129	3.181	2.005	1.590	1.524	10.427
10.057	7.494	6.804	5.151	3.205	2.010	1.593	1.526	10.954
10.603	7.493	6.803	5.167	3.230	2.014	1.598	1.532	11.519
11.190	7.490	6.801	5.179	3.255	2.017	1.602	1.542	12.126
11.821	7.487	6.799	5.187	3.281	2.021	1.605	1.554	12.780
12.502	7.484	6.795	5.191	3.306	2.026	1.607	1.565	13.484
13.235	7.482	6.792	5.192	3.331	2.032	1.607	1.571	14.244
14.027	7.481	6.789	5.191	3.356	2.038	1.609	1.574	15.063
14.880	7.480	6.786	5.187	3.379	2.045	1.612	1.577	15.947
15.782	7.480	6.784	5.183	3.400	2.053	1.616	1.584	16.880
16.728	7.480	6.783	5.177	3.418	2.063	1.620	1.595	17.860
17.722	7.481	6.782	5.171	3.433	2.074	1.622	1.606	18.889
18.765	7.483	6.782	5.164	3.444	2.085	1.623	1.614	19.969

MACH NO = 5.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
20.087	7.486	6.781	5.155	3.455	2.098	1.624	1.617	21.337
21.248	7.488	6.781	5.147	3.462	2.109	1.626	1.616	22.540
22.468	7.491	6.781	5.140	3.466	2.121	1.629	1.617	23.803
23.750	7.493	6.782	5.133	3.469	2.131	1.632	1.621	25.129
25.096	7.496	6.783	5.126	3.470	2.142	1.635	1.625	26.522
26.509	7.499	6.784	5.120	3.469	2.151	1.637	1.628	27.986
27.994	7.501	6.786	5.114	3.468	2.160	1.639	1.627	29.523
29.553	7.503	6.787	5.109	3.465	2.169	1.641	1.624	31.137
31.192	7.505	6.789	5.105	3.462	2.177	1.644	1.621	32.834
32.913	7.507	6.790	5.101	3.458	2.184	1.647	1.619	34.615
34.721	7.508	6.792	5.098	3.454	2.190	1.650	1.620	36.487
36.621	7.509	6.794	5.096	3.449	2.196	1.653	1.621	38.454
38.617	7.510	6.795	5.095	3.444	2.201	1.656	1.621	40.521
40.714	7.510	6.797	5.094	3.438	2.206	1.658	1.619	42.692
42.918	7.510	6.798	5.094	3.433	2.209	1.660	1.616	44.974
45.234	7.510	6.799	5.094	3.428	2.213	1.662	1.614	47.371
47.668	7.509	6.800	5.095	3.423	2.215	1.664	1.613	49.891
50.225	7.509	6.801	5.096	3.418	2.217	1.667	1.614	52.538
52.912	7.508	6.801	5.098	3.413	2.219	1.668	1.615	55.320
55.736	7.507	6.801	5.100	3.408	2.221	1.670	1.616	58.244
58.703	7.506	6.802	5.102	3.404	2.222	1.671	1.615	61.316
61.821	7.505	6.802	5.105	3.400	2.222	1.672	1.613	64.544
65.097	7.504	6.802	5.107	3.396	2.223	1.674	1.611	67.935
68.540	7.504	6.801	5.110	3.393	2.223	1.675	1.610	71.499
72.157	7.503	6.801	5.112	3.389	2.223	1.676	1.611	75.244
75.958	7.502	6.801	5.115	3.386	2.223	1.678	1.612	79.179
79.951	7.501	6.801	5.117	3.384	2.223	1.679	1.612	83.313
84.147	7.501	6.800	5.119	3.381	2.223	1.680	1.611	87.657
88.554	7.500	6.800	5.121	3.379	2.222	1.680	1.610	92.220
93.185	7.500	6.800	5.123	3.377	2.222	1.681	1.608	97.014
98.050	7.500	6.799	5.124	3.376	2.221	1.682	1.608	102.051
103.161	7.500	6.799	5.126	3.374	2.221	1.683	1.608	107.342
108.530	7.500	6.799	5.127	3.373	2.220	1.684	1.608	112.900
114.171	7.500	6.799	5.128	3.372	2.219	1.684	1.608	118.740
120.096	7.500	6.798	5.129	3.371	2.219	1.685	1.608	124.874
126.320	7.500	6.798	5.130	3.370	2.218	1.685	1.607	131.318
132.859	7.500	6.798	5.130	3.370	2.217	1.686	1.607	138.087
139.727	7.500	6.798	5.131	3.369	2.216	1.686	1.606	145.198
146.942	7.500	6.798	5.131	3.369	2.216	1.687	1.606	152.667
154.521	7.500	6.798	5.131	3.369	2.215	1.687	1.606	160.513
162.482	7.501	6.798	5.131	3.369	2.214	1.688	1.607	168.756
170.845	7.501	6.798	5.131	3.369	2.214	1.688	1.607	177.414
179.630	7.501	6.797	5.131	3.369	2.213	1.688	1.606	186.509
188.859	7.501	6.797	5.131	3.369	2.212	1.689	1.606	196.063
200.550	7.502	6.797	5.131	3.369	2.211	1.689	1.606	208.166

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.725	25.572	23.711	19.197	14.228	10.396	8.181	7.474	1.292
.873	23.949	22.114	17.725	13.030	9.504	7.497	6.865	1.445
1.017	23.349	21.488	17.102	12.500	9.099	7.186	6.588	1.594
1.242	22.364	20.483	16.143	11.740	8.574	6.819	6.272	1.828
1.456	21.559	19.657	15.331	11.067	8.094	6.490	5.998	2.049
1.685	20.892	18.957	14.612	10.438	7.623	6.154	5.715	2.286
1.965	20.415	18.379	13.939	9.802	7.120	5.782	5.397	2.576
2.211	20.277	18.059	13.430	9.321	6.740	5.515	5.184	2.830
2.498	20.415	18.013	13.091	8.890	6.379	5.226	4.940	3.128
2.743	20.745	18.138	12.943	8.634	6.122	4.996	4.721	3.381
2.984	21.218	18.409	12.872	8.423	5.891	4.794	4.516	3.631
3.261	21.872	18.848	12.901	8.227	5.652	4.595	4.319	3.918
3.494	22.438	19.293	12.977	8.112	5.485	4.450	4.187	4.159
3.723	22.953	19.755	13.108	8.036	5.354	4.320	4.079	4.396
3.986	23.492	20.268	13.298	7.978	5.237	4.181	3.965	4.668
4.208	23.937	20.670	13.489	7.948	5.153	4.073	3.869	4.898
4.464	24.464	21.111	13.733	7.936	5.062	3.958	3.754	5.163
4.681	24.908	21.486	13.949	7.937	4.988	3.872	3.657	5.388
4.897	25.321	21.869	14.172	7.944	4.920	3.797	3.565	5.612
5.149	25.738	22.314	14.430	7.961	4.853	3.724	3.469	5.872
5.366	26.030	22.678	14.649	7.985	4.808	3.672	3.402	6.097
5.622	26.298	23.061	14.902	8.026	4.771	3.621	3.341	6.362
5.845	26.469	23.342	15.120	8.065	4.747	3.582	3.302	6.593
6.072	26.591	23.575	15.343	8.107	4.727	3.544	3.272	6.828
6.344	26.679	23.785	15.609	8.163	4.703	3.499	3.243	7.109
6.584	26.715	23.914	15.844	8.219	4.682	3.457	3.218	7.358
6.831	26.727	23.998	16.080	8.278	4.661	3.415	3.188	7.614
7.132	26.725	24.042	16.351	8.349	4.639	3.365	3.145	7.926
7.402	26.718	24.042	16.574	8.415	4.623	3.326	3.100	8.205
7.732	26.702	24.010	16.812	8.499	4.605	3.288	3.043	8.546
8.030	26.678	23.968	16.991	8.574	4.587	3.263	2.996	8.855
8.344	26.646	23.920	17.143	8.652	4.567	3.245	2.956	9.180
8.733	26.607	23.857	17.281	8.754	4.543	3.229	2.926	9.583
9.089	26.582	23.797	17.366	8.849	4.529	3.216	2.916	9.951
9.467	26.567	23.737	17.420	8.952	4.521	3.200	2.917	10.342
9.940	26.559	23.675	17.445	9.088	4.513	3.177	2.923	10.832
10.376	26.557	23.637	17.436	9.216	4.500	3.154	2.925	11.284
10.925	26.558	23.613	17.399	9.379	4.482	3.128	2.917	11.852
11.434	26.559	23.607	17.352	9.530	4.473	3.108	2.903	12.379
11.983	26.558	23.612	17.295	9.683	4.472	3.091	2.891	12.947
12.679	26.555	23.627	17.220	9.861	4.469	3.067	2.890	13.668
13.328	26.554	23.644	17.153	9.999	4.469	3.039	2.899	14.339
14.153	26.556	23.662	17.078	10.140	4.487	3.002	2.907	15.194
14.924	26.556	23.675	17.023	10.238	4.514	2.976	2.902	15.992
15.761	26.555	23.688	16.975	10.316	4.547	2.955	2.892	16.858

MACH NO = 10.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
16.826	26.557	23.699	16.929	10.379	4.606	2.928	2.891	17.961
17.821	26.564	23.701	16.895	10.411	4.676	2.899	2.900	18.991
18.880	26.575	23.702	16.867	10.424	4.750	2.874	2.904	20.088
20.183	26.591	23.701	16.841	10.421	4.846	2.856	2.891	21.437
21.362	26.605	23.700	16.821	10.404	4.935	2.847	2.878	22.657
22.813	26.619	23.700	16.803	10.371	5.032	2.837	2.871	24.159
24.125	26.631	23.701	16.790	10.334	5.107	2.831	2.863	25.518
25.504	26.642	23.705	16.779	10.294	5.178	2.833	2.848	26.945
27.201	26.652	23.710	16.768	10.246	5.244	2.843	2.828	28.703
28.737	26.658	23.717	16.759	10.208	5.288	2.853	2.814	30.293
30.629	26.664	23.725	16.751	10.164	5.333	2.864	2.797	32.251
32.340	26.667	23.733	16.747	10.129	5.365	2.879	2.778	34.123
34.140	26.670	23.740	16.744	10.095	5.388	2.899	2.761	35.886
36.357	26.671	23.748	16.744	10.056	5.411	2.923	2.747	38.181
38.364	26.672	23.754	16.747	10.025	5.428	2.941	2.736	40.259
40.474	26.671	23.759	16.753	9.994	5.441	2.959	2.723	42.443
43.074	26.669	23.764	16.762	9.960	5.449	2.982	2.709	45.135
45.427	26.667	23.767	16.772	9.933	5.454	3.003	2.702	47.571
48.327	26.664	23.769	16.786	9.903	5.458	3.025	2.695	50.573
50.951	26.661	23.769	16.799	9.880	5.457	3.040	2.688	53.290
53.710	26.658	23.769	16.813	9.858	5.452	3.053	2.682	56.146
57.109	26.654	23.769	16.830	9.835	5.444	3.069	2.680	59.666
60.186	26.652	23.768	16.843	9.818	5.436	3.082	2.680	62.850
63.420	26.649	23.766	16.856	9.803	5.428	3.093	2.679	66.199
67.404	26.646	23.765	16.871	9.788	5.416	3.101	2.676	70.323
71.009	26.644	23.763	16.881	9.778	5.406	3.107	2.676	74.055
75.449	26.642	23.761	16.892	9.768	5.394	3.115	2.680	78.652
79.466	26.641	23.760	16.901	9.761	5.384	3.123	2.682	82.811
83.689	26.640	23.758	16.907	9.756	5.374	3.129	2.682	87.182
88.889	26.640	23.757	16.914	9.753	5.362	3.134	2.681	92.566
93.594	26.640	23.756	16.918	9.751	5.353	3.136	2.683	97.437
99.388	26.640	23.755	16.922	9.750	5.342	3.140	2.688	103.435
104.629	26.640	23.754	16.925	9.751	5.333	3.145	2.691	108.862
110.138	26.641	23.753	16.926	9.752	5.325	3.149	2.690	114.565
116.923	26.642	23.752	16.927	9.754	5.317	3.151	2.688	121.589
123.060	26.642	23.751	16.927	9.757	5.310	3.151	2.690	127.943
129.510	26.643	23.751	16.927	9.760	5.303	3.151	2.693	134.621
137.454	26.644	23.750	16.927	9.764	5.296	3.153	2.697	142.844
144.640	26.645	23.750	16.926	9.767	5.290	3.155	2.696	150.284
153.488	26.646	23.750	16.924	9.772	5.284	3.156	2.694	159.445
161.493	26.647	23.749	16.923	9.776	5.279	3.156	2.692	167.732
169.907	26.648	23.749	16.921	9.780	5.274	3.155	2.694	176.443
180.269	26.649	23.749	16.919	9.785	5.269	3.155	2.698	187.169
189.642	26.649	23.749	16.917	9.789	5.265	3.155	2.698	196.874
201.185	26.650	23.749	16.915	9.793	5.261	3.156	2.696	208.824

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.728	55.729	51.603	41.628	30.695	22.303	17.474	15.941	1.296
.874	52.472	48.397	38.674	28.299	20.529	16.121	14.737	1.446
1.044	50.669	46.545	36.877	26.822	19.450	15.321	14.033	1.622
1.268	48.314	44.158	34.626	25.042	18.214	14.460	13.295	1.854
1.515	46.171	41.967	32.478	23.265	16.938	13.568	12.543	2.111
1.780	44.548	40.220	30.663	21.662	15.726	12.690	11.795	2.385
2.055	43.668	39.108	29.238	20.303	14.645	11.890	11.115	2.669
2.292	43.575	38.482	28.151	19.279	13.852	11.311	10.651	2.915
2.568	44.041	38.520	27.533	18.410	13.096	10.682	10.091	3.200
2.838	45.071	38.987	27.158	17.774	12.448	10.127	9.544	3.480
3.103	46.468	39.825	27.071	17.244	11.874	9.656	9.076	3.754
3.360	47.962	40.917	27.162	16.857	11.396	9.251	8.704	4.020
3.610	49.322	42.098	27.415	16.606	11.028	8.895	8.403	4.279
3.855	50.533	43.227	27.778	16.434	10.743	8.574	8.134	4.532
4.060	51.550	44.111	28.149	16.326	10.533	8.324	7.911	4.744
4.294	52.782	45.088	28.638	16.247	10.305	8.063	7.653	4.987
4.524	54.031	46.077	29.150	16.209	10.091	7.836	7.402	5.225
4.761	55.208	47.113	29.690	16.195	9.900	7.641	7.170	5.460
4.975	56.238	48.174	30.207	16.202	9.744	7.476	6.966	5.693
5.199	57.088	49.203	30.728	16.238	9.626	7.335	6.796	5.924
5.423	57.756	50.148	31.248	16.298	9.540	7.211	6.660	6.156
5.617	58.192	50.860	31.700	16.358	9.482	7.112	6.565	6.356
5.845	58.555	51.558	32.250	16.432	9.419	6.999	6.472	6.593
6.078	58.776	52.111	32.828	16.518	9.350	6.885	6.388	6.834
6.316	58.880	52.519	33.438	16.622	9.276	6.768	6.301	7.080
6.560	58.904	52.786	34.070	16.736	9.200	6.650	6.204	7.333
6.813	58.886	52.918	34.709	16.853	9.131	6.537	6.091	7.595
7.076	58.847	52.934	35.335	16.981	9.072	6.434	5.965	7.868
7.311	58.794	52.879	35.845	17.103	9.027	6.361	5.853	8.110
7.596	58.701	52.764	36.391	17.249	8.976	6.293	5.728	8.405
7.896	58.578	52.615	36.868	17.399	8.921	6.242	5.622	8.716
8.212	58.452	52.433	37.265	17.568	8.868	6.202	5.546	9.043
8.547	58.356	52.220	37.574	17.751	8.828	6.162	5.505	9.390
8.903	58.303	51.991	37.790	17.952	8.799	6.114	5.493	9.759
9.282	58.284	51.780	37.909	18.191	8.767	6.051	5.493	10.151
9.628	58.286	51.638	37.937	18.423	8.723	5.988	5.488	10.510
10.060	58.304	51.531	37.891	18.734	8.658	5.910	5.460	10.956
10.520	58.330	51.487	37.783	19.086	8.600	5.836	5.404	11.433
11.011	58.348	51.495	37.625	19.467	8.557	5.775	5.334	11.941
11.539	58.353	51.543	37.428	19.873	8.507	5.718	5.275	12.487
12.110	58.354	51.610	37.203	20.279	8.449	5.652	5.245	13.079
12.732	58.363	51.680	36.974	20.669	8.414	5.571	5.238	13.723
13.314	58.369	51.734	36.795	20.977	8.404	5.502	5.235	14.325
14.058	58.362	51.797	36.619	21.296	8.396	5.429	5.218	15.095
14.877	58.348	51.858	36.483	21.559	8.425	5.356	5.192	15.944

MACH NO = 15.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
15.775	58.341	51.899	36.382	21.753	8.503	5.266	5.180	16.873
16.751	58.348	51.911	36.306	21.874	8.605	5.166	5.181	17.883
17.812	58.369	51.901	36.246	21.928	8.764	5.081	5.167	18.982
18.804	58.393	51.883	36.203	21.926	8.933	5.023	5.137	20.009
20.042	58.428	51.866	36.169	21.871	9.151	4.951	5.099	21.291
21.350	58.466	51.855	36.151	21.766	9.396	4.883	5.061	22.645
22.732	58.502	51.850	36.135	21.631	9.627	4.839	5.014	24.076
24.192	58.530	51.852	36.120	21.488	9.846	4.810	4.960	25.588
25.736	58.550	51.864	36.103	21.352	10.039	4.786	4.903	27.185
27.367	58.565	51.881	36.089	21.225	10.194	4.775	4.845	28.874
28.839	58.574	51.899	36.079	21.123	10.312	4.780	4.796	30.398
30.648	58.582	51.921	36.069	21.014	10.421	4.793	4.740	32.271
32.561	58.587	51.942	36.062	20.915	10.502	4.810	4.685	34.252
34.585	58.591	51.962	36.058	20.824	10.572	4.839	4.630	36.347
36.725	58.593	51.979	36.060	20.741	10.617	4.881	4.583	38.562
38.989	58.593	51.993	36.070	20.664	10.647	4.923	4.541	40.906
41.383	58.592	52.003	36.087	20.592	10.671	4.964	4.501	43.385
43.545	58.589	52.009	36.107	20.534	10.677	5.005	4.471	45.623
46.202	58.584	52.014	36.136	20.469	10.670	5.057	4.440	48.374
49.012	58.578	52.016	36.170	20.408	10.656	5.104	4.411	51.283
51.984	58.571	52.017	36.207	20.352	10.633	5.143	4.385	54.360
55.127	58.564	52.015	36.244	20.301	10.602	5.182	4.364	57.614
58.451	58.557	52.013	36.281	20.255	10.571	5.222	4.346	61.055
61.966	58.550	52.009	36.317	20.215	10.540	5.254	4.330	64.693
65.138	58.545	52.006	36.344	20.186	10.512	5.274	4.318	67.978
69.036	58.541	52.002	36.373	20.159	10.477	5.299	4.309	72.013
73.158	58.537	51.999	36.398	20.138	10.441	5.327	4.303	76.280
77.515	58.535	51.995	36.419	20.123	10.404	5.350	4.297	80.792
82.122	58.533	51.991	36.436	20.114	10.368	5.364	4.293	85.561
86.992	58.532	51.988	36.449	20.109	10.334	5.377	4.293	90.603
92.141	58.532	51.985	36.459	20.108	10.300	5.394	4.293	95.933
96.787	58.533	51.983	36.465	20.110	10.273	5.407	4.293	100.743
102.495	58.534	51.981	36.470	20.116	10.243	5.413	4.295	106.652
108.528	58.536	51.979	36.473	20.124	10.216	5.415	4.300	112.898
114.906	58.537	51.977	36.474	20.134	10.192	5.421	4.305	119.501
121.648	58.539	51.975	36.473	20.145	10.170	5.427	4.308	126.481
128.774	58.542	51.974	36.472	20.157	10.149	5.429	4.311	133.859
136.308	58.544	51.973	36.469	20.170	10.131	5.425	4.317	141.658
143.106	58.546	51.972	36.466	20.181	10.117	5.421	4.322	148.696
151.458	58.548	51.971	36.462	20.195	10.103	5.418	4.324	157.342
160.286	58.550	51.970	36.458	20.208	10.089	5.413	4.326	166.482
169.619	58.552	51.970	36.453	20.221	10.078	5.405	4.329	176.144
179.484	58.553	51.970	36.448	20.234	10.067	5.395	4.331	186.357
189.913	58.555	51.969	36.443	20.247	10.057	5.385	4.331	197.154
200.938	58.556	51.969	36.438	20.259	10.049	5.375	4.329	208.568

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.729	97.948	90.656	73.042	53.754	38.976	30.488	27.797	1.297
.901	91.890	84.655	67.460	49.222	35.631	27.946	25.538	1.474
1.073	88.499	81.206	64.180	46.575	33.735	26.568	24.334	1.652
1.298	84.248	76.901	60.122	43.363	31.501	25.010	23.004	1.886
1.546	80.472	73.040	56.329	40.216	29.230	23.412	21.650	2.143
1.810	77.698	70.017	53.165	37.408	27.099	21.861	20.326	2.416
2.082	76.235	68.112	50.644	35.022	25.210	20.476	19.158	2.697
2.355	76.229	67.081	48.591	33.005	23.639	19.289	18.186	2.980
2.625	77.320	67.278	47.632	31.593	22.356	18.204	17.184	3.259
2.889	79.333	68.274	47.031	30.489	21.233	17.263	16.247	3.533
3.147	81.899	69.871	46.938	29.581	20.249	16.463	15.470	3.799
3.396	84.506	71.855	47.122	28.940	19.449	15.769	14.852	4.058
3.673	87.129	74.213	47.677	28.466	18.758	15.069	14.267	4.344
3.908	89.231	76.115	48.333	28.171	18.278	14.520	13.797	4.588
4.138	91.390	77.858	49.122	27.961	17.848	14.030	13.335	4.826
4.362	93.650	79.576	49.976	27.836	17.443	13.600	12.884	5.058
4.582	95.881	81.379	50.868	27.771	17.073	13.228	12.458	5.285
4.799	97.924	83.274	51.772	27.746	16.759	12.910	12.075	5.510
5.013	99.675	85.185	52.661	27.764	16.513	12.637	11.747	5.731
5.226	101.099	87.010	53.545	27.830	16.330	12.398	11.475	5.952
5.440	102.205	88.662	54.432	27.925	16.192	12.180	11.254	6.173
5.655	103.015	90.084	55.354	28.029	16.072	11.973	11.071	6.396
5.873	103.554	91.253	56.327	28.144	15.946	11.767	10.908	6.621
6.126	103.882	92.276	57.516	28.309	15.786	11.527	10.726	6.884
6.353	103.980	92.900	58.618	28.482	15.638	11.314	10.552	7.119
6.587	103.973	93.277	59.756	28.661	15.498	11.107	10.357	7.361
6.828	103.911	93.428	60.900	28.852	15.377	10.917	10.140	7.611
7.079	103.806	93.393	62.013	29.067	15.277	10.753	9.910	7.870
7.339	103.641	93.230	63.061	29.296	15.188	10.622	9.684	8.140
7.612	103.410	92.985	64.009	29.524	15.098	10.522	9.483	8.422
7.898	103.148	92.672	64.834	29.769	15.007	10.445	9.326	8.718
8.199	102.919	92.288	65.518	30.038	14.926	10.374	9.223	9.030
8.516	102.765	91.845	66.049	30.320	14.863	10.293	9.173	9.358
8.852	102.690	91.389	66.415	30.652	14.805	10.189	9.157	9.706
9.261	102.674	90.940	66.627	31.106	14.709	10.040	9.143	10.130
9.646	102.705	90.662	66.639	31.576	14.587	9.892	9.098	10.528
10.053	102.764	90.508	66.517	32.125	14.462	9.747	9.003	10.949
10.482	102.822	90.467	66.290	32.731	14.364	9.626	8.869	11.393
10.938	102.857	90.519	65.973	33.402	14.270	9.527	8.729	11.866
11.426	102.870	90.633	65.578	34.102	14.152	9.431	8.623	12.371
11.951	102.886	90.777	65.136	34.815	14.036	9.315	8.572	12.915
12.521	102.910	90.916	64.696	35.503	13.963	9.179	8.563	13.504
13.142	102.920	91.048	64.306	36.151	13.903	9.043	8.557	14.148
13.825	102.899	91.181	63.987	36.735	13.853	8.914	8.528	14.854
14.577	102.864	91.305	63.741	37.235	13.875	8.773	8.482	15.633

MACH NO = 20.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
15.501	102.853	91.403	63.553	37.665	13.952	8.579	8.448	16.590
16.368	102.859	91.422	63.436	37.903	14.077	8.397	8.431	17.487
17.299	102.890	91.403	63.345	38.027	14.298	8.244	8.395	18.451
18.311	102.932	91.357	63.271	38.045	14.566	8.110	8.332	19.498
19.419	102.980	91.307	63.223	37.948	14.919	7.961	8.256	20.646
20.644	103.037	91.265	63.198	37.739	15.326	7.823	8.178	21.914
21.961	103.105	91.242	63.189	37.466	15.743	7.725	8.091	23.277
23.351	103.158	91.239	63.174	37.183	16.164	7.646	7.991	24.717
24.819	103.197	91.259	63.155	36.912	16.530	7.572	7.884	26.236
26.369	103.223	91.289	63.138	36.657	16.868	7.525	7.775	27.841
28.006	103.243	91.329	63.120	36.422	17.146	7.503	7.668	29.535
29.989	103.259	91.376	63.104	36.179	17.409	7.487	7.541	31.589
31.830	103.267	91.417	63.090	35.990	17.592	7.495	7.428	33.495
33.776	103.274	91.454	63.079	35.822	17.720	7.528	7.323	35.509
35.831	103.279	91.486	63.077	35.673	17.827	7.568	7.228	37.637
38.003	103.283	91.510	63.087	35.540	17.893	7.614	7.139	39.885
40.298	103.282	91.530	63.112	35.418	17.930	7.677	7.057	42.261
42.723	103.279	91.543	63.150	35.301	17.947	7.752	6.983	44.772
45.285	103.272	91.552	63.198	35.190	17.925	7.821	6.913	47.425
47.993	103.262	91.556	63.256	35.085	17.882	7.892	6.849	50.227
50.853	103.251	91.557	63.320	34.986	17.827	7.971	6.793	53.189
53.875	103.238	91.555	63.388	34.893	17.762	8.044	6.741	56.317
57.538	103.224	91.551	63.465	34.798	17.689	8.112	6.686	60.110
60.937	103.212	91.546	63.528	34.726	17.626	8.175	6.646	63.629
64.528	103.202	91.539	63.587	34.665	17.558	8.240	6.612	67.346
68.321	103.194	91.533	63.639	34.616	17.488	8.291	6.581	71.273
72.327	103.188	91.526	63.684	34.578	17.416	8.334	6.555	75.420
76.559	103.184	91.520	63.721	34.552	17.343	8.380	6.536	79.801
81.028	103.182	91.514	63.751	34.536	17.270	8.423	6.519	84.428
85.748	103.181	91.508	63.774	34.529	17.198	8.451	6.505	89.314
90.733	103.181	91.503	63.791	34.529	17.130	8.472	6.497	94.475
95.997	103.182	91.498	63.803	34.537	17.065	8.497	6.493	99.925
101.556	103.184	91.494	63.811	34.550	17.006	8.518	6.489	105.680
108.292	103.188	91.490	63.816	34.570	16.944	8.528	6.488	112.554
114.540	103.191	91.487	63.816	34.592	16.895	8.534	6.492	119.123
121.139	103.194	91.484	63.815	34.615	16.851	8.543	6.496	125.954
128.107	103.198	91.481	63.811	34.641	16.811	8.544	6.499	133.168
135.466	103.202	91.479	63.806	34.667	16.776	8.536	6.505	140.786
143.237	103.206	91.477	63.800	34.693	16.746	8.522	6.511	148.831
151.443	103.209	91.476	63.793	34.720	16.720	8.505	6.515	157.327
160.110	103.212	91.474	63.785	34.746	16.697	8.479	6.518	166.300
169.263	103.216	91.474	63.776	34.772	16.677	8.441	6.521	175.775
178.929	103.218	91.473	63.768	34.797	16.660	8.391	6.523	185.782
189.137	103.221	91.473	63.759	34.821	16.645	8.325	6.519	196.350
201.506	103.223	91.473	63.748	34.847	16.631	8.216	6.511	209.156

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	152.229	140.865	113.431	83.400	60.421	47.223	43.052	1.297
.896	143.071	131.790	104.995	76.570	55.388	43.419	39.666	1.469
1.059	137.964	126.593	100.049	72.576	52.525	41.327	37.836	1.639
1.273	131.521	120.078	93.941	67.759	49.180	38.994	35.844	1.860
1.541	124.969	113.384	87.397	62.354	45.291	36.266	33.534	2.137
1.791	120.729	108.791	82.623	58.139	42.102	33.946	31.553	2.396
2.048	118.329	105.767	78.819	54.552	39.260	31.847	29.766	2.662
2.307	117.961	103.832	75.464	51.376	36.825	30.089	28.384	2.930
2.601	119.566	104.012	73.682	48.863	34.587	28.227	26.714	3.234
2.853	122.475	105.393	72.674	47.189	32.895	26.797	25.290	3.495
3.099	126.275	107.668	72.439	45.744	31.382	25.568	24.074	3.750
3.339	130.243	110.586	72.614	44.694	30.118	24.497	23.098	3.999
3.605	134.299	114.151	73.342	43.921	29.015	23.413	22.190	4.274
3.832	137.494	117.081	74.259	43.429	28.262	22.561	21.476	4.509
4.053	140.724	119.752	75.379	43.050	27.597	21.793	20.782	4.738
4.300	144.642	122.706	76.815	42.779	26.877	21.023	19.998	4.993
4.511	148.108	125.414	78.131	42.655	26.289	20.440	19.342	5.212
4.719	151.358	128.288	79.487	42.589	25.777	19.938	18.741	5.427
4.924	154.213	131.241	80.816	42.582	25.368	19.505	18.215	5.640
5.158	156.890	134.526	82.327	42.668	25.028	19.075	17.716	5.881
5.362	158.716	137.165	83.650	42.801	24.815	18.737	17.364	6.093
5.567	160.087	139.481	85.018	42.941	24.634	18.415	17.073	6.305
5.775	161.037	141.428	86.466	43.087	24.444	18.097	16.819	6.520
6.016	161.667	143.182	88.239	43.303	24.192	17.726	16.542	6.770
6.232	161.899	144.305	89.900	43.546	23.949	17.395	16.283	6.994
6.454	161.937	145.050	91.637	43.805	23.712	17.067	15.993	7.223
6.715	161.851	145.464	93.669	44.106	23.478	16.716	15.617	7.494
6.953	161.700	145.497	95.426	44.411	23.317	16.449	15.259	7.740
7.200	161.459	145.306	97.108	44.749	23.184	16.233	14.899	7.996
7.458	161.109	144.965	98.662	45.077	23.054	16.069	14.568	8.263
7.768	160.624	144.433	100.227	45.468	22.894	15.929	14.265	8.583
8.054	160.227	143.839	101.380	45.852	22.759	15.822	14.090	8.879
8.354	159.943	143.133	102.306	46.245	22.651	15.701	14.002	9.191
8.672	159.789	142.375	102.989	46.697	22.561	15.543	13.976	9.519
9.058	159.740	141.582	103.452	47.335	22.424	15.309	13.967	9.919
9.419	159.778	141.054	103.581	47.986	22.234	15.067	13.915	10.293
9.802	159.872	140.723	103.482	48.773	22.017	14.823	13.783	10.689
10.203	159.983	140.586	103.200	49.648	21.842	14.613	13.571	11.104
10.689	160.073	140.626	102.689	50.783	21.679	14.429	13.290	11.608
11.143	160.107	140.789	102.093	51.842	21.496	14.292	13.086	12.078
11.630	160.135	141.020	101.396	52.945	21.290	14.131	12.974	12.582
12.234	160.182	141.289	100.568	54.185	21.130	13.898	12.953	13.207
12.810	160.210	141.511	99.906	55.228	21.024	13.679	12.967	13.803
13.440	160.188	141.733	99.353	56.194	20.902	13.471	12.943	14.455
14.131	160.130	141.953	98.919	57.056	20.868	13.258	12.866	15.172

MACH NO = 25.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
14.984	160.091	142.151	98.577	57.851	20.921	12.969	12.776	16.055
15.776	160.082	142.223	98.378	58.339	21.012	12.678	12.731	16.874
16.620	160.110	142.220	98.229	58.642	21.257	12.415	12.686	17.748
17.526	160.161	142.158	98.110	58.777	21.579	12.201	12.603	18.686
18.656	160.235	142.063	98.018	58.720	22.073	11.945	12.465	19.856
19.745	160.315	141.984	97.977	58.473	22.636	11.713	12.332	20.983
20 948	160.409	141.915	97.965	58.070	23.234	11.528	12.203	22.229
22.462	160.508	141.872	97.948	57.523	24.010	11.370	12.048	23.796
23.868	160.581	141.888	97.935	57.066	24.616	11.230	11.884	25.251
25.351	160.628	141.933	97.911	56.632	25.202	11.118	11.700	26.787
26.916	160.663	141.992	97.893	56.232	25.693	11.052	11.522	28.407
28.813	160.689	142.068	97.867	55.814	26.186	10.991	11.311	30.371
30.571	160.705	142.136	97.846	55.490	26.529	10.964	11.094	32.191
32.429	160.717	142.201	97.826	55.201	26.791	10.978	10.866	34.114
34.390	160.727	142.256	97.810	54.948	27.006	11.008	10.662	36.145
36.768	160.737	142.305	97.814	54.702	27.152	11.053	10.488	38.606
38.973	160.741	142.338	97.839	54.509	27.249	11.128	10.370	40.890
41.302	160.739	142.363	97.886	54.329	27.279	11.223	10.255	43.301
43.762	160.732	142.380	97.951	54.159	27.258	11.312	10.137	45.848
46.743	160.718	142.390	98.047	53.971	27.189	11.429	10.018	48.934
49.508	160.701	142.393	98.143	53.816	27.084	11.547	9.924	51.796
52.428	160.682	142.392	98.248	53.668	26.976	11.652	9.830	54.819
55.966	160.659	142.387	98.370	53.513	26.855	11.763	9.730	58.482
59.247	160.641	142.380	98.473	53.393	26.743	11.873	9.657	61.879
62.712	160.624	142.371	98.569	53.290	26.631	11.972	9.589	65.466
66.370	160.610	142.361	98.656	53.205	26.516	12.052	9.526	69.253
70.801	160.599	142.349	98.741	53.130	26.381	12.149	9.467	73.841
74.911	160.592	142.339	98.802	53.083	26.260	12.232	9.423	78.095
79.248	160.587	142.329	98.852	53.054	26.138	12.291	9.383	82.586
83.828	160.585	142.320	98.891	53.040	26.017	12.340	9.353	87.326
89.374	160.586	142.311	98.924	53.040	25.883	12.399	9.325	93.068
94.516	160.588	142.303	98.944	53.052	25.772	12.438	9.305	98.392
99.944	160.591	142.297	98.956	53.074	25.669	12.462	9.291	104.011
106.517	160.596	142.290	98.964	53.108	25.561	12.491	9.284	110.816
112.611	160.601	142.284	98.965	53.143	25.476	12.513	9.279	117.126
119.044	160.606	142.280	98.963	53.183	25.399	12.520	9.278	123.786
125.835	160.612	142.275	98.958	53.225	25.331	12.518	9.282	130.815
134.058	160.618	142.271	98.949	53.275	25.264	12.509	9.286	139.329
141.682	160.624	142.268	98.939	53.319	25.215	12.487	9.290	147.222
149.730	160.630	142.266	98.928	53.363	25.173	12.447	9.295	155.553
158.225	160.635	142.264	98.915	53.406	25.137	12.390	9.299	164.348
168.513	160.640	142.262	98.900	53.454	25.104	12.291	9.297	174.999
178.052	160.645	142.262	98.886	53.494	25.080	12.153	9.292	184.874
188.121	160.648	142.261	98.872	53.533	25.061	11.933	9.281	195.299
200.316	160.652	142.261	98.856	53.575	25.044	11.488	9.248	207.924

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.730	218.573	202.236	162.795	119.636	86.621	67.691	61.681	1.298
.896	205.514	189.288	150.761	109.901	79.463	62.265	56.877	1.469
1.059	198.109	181.762	143.606	104.131	75.334	59.256	54.247	1.638
1.304	187.504	171.036	133.537	96.176	69.798	55.399	50.950	1.892
1.540	179.310	162.662	125.333	89.382	64.899	51.950	48.029	2.136
1.789	173.167	156.014	118.436	83.302	60.303	48.607	45.175	2.394
2.082	169.308	151.097	112.159	77.413	55.660	45.208	42.316	2.697
2.340	169.216	148.740	107.627	72.999	52.257	42.696	40.315	2.965
2.596	171.380	149.022	105.482	69.915	49.474	40.367	38.203	3.230
2.883	176.276	151.368	103.886	67.164	46.706	38.043	35.887	3.526
3.127	181.837	154.788	103.634	65.137	44.568	36.312	34.191	3.779
3.365	187.495	159.049	103.938	63.695	42.806	34.797	32.831	4.025
3.628	193.217	164.153	105.042	62.623	41.271	33.257	31.547	4.298
3.852	197.786	168.297	106.375	61.923	40.206	32.046	30.524	4.530
4.071	202.476	172.085	108.003	61.385	39.251	30.959	29.524	4.756
4.315	208.165	176.335	110.058	61.008	38.213	29.870	28.400	5.009
4.523	213.163	180.263	111.944	60.830	37.374	29.049	27.467	5.225
4.729	217.819	184.432	113.870	60.735	36.654	28.341	26.618	5.437
4.960	222.414	189.308	116.023	60.738	36.015	27.647	25.783	5.677
5.162	225.694	193.431	117.900	60.854	35.613	27.116	25.180	5.886
5.364	228.282	197.218	119.782	61.035	35.311	26.631	24.684	6.095
5.596	230.445	200.969	122.029	61.249	35.009	26.101	24.215	6.335
5.801	231.697	203.679	124.122	61.453	34.721	25.638	23.854	6.547
6.039	232.493	206.100	126.697	61.769	34.340	25.099	23.446	6.794
6.253	232.762	207.629	129.105	62.116	33.982	24.622	23.061	7.015
6.472	232.778	208.618	131.620	62.474	33.642	24.154	22.628	7.242
6.731	232.627	209.130	134.551	62.902	33.316	23.661	22.075	7.510
6.966	232.379	209.125	137.078	63.340	33.094	23.293	21.558	7.753
7.210	231.990	208.816	139.489	63.811	32.910	22.999	21.048	8.006
7.502	231.354	208.209	142.010	64.327	32.700	22.750	20.529	8.308
7.771	230.715	207.493	143.946	64.812	32.501	22.583	20.178	8.586
8.053	230.144	206.594	145.592	65.341	32.312	22.427	19.948	8.878
8.393	229.707	205.373	147.074	65.961	32.140	22.212	19.826	9.231
8.708	229.523	204.255	147.993	66.622	32.001	21.963	19.798	9.557
9.042	229.483	203.253	148.542	67.411	31.805	21.651	19.774	9.903
9.450	229.568	202.402	148.720	68.484	31.470	21.243	19.657	10.325
9.826	229.727	201.974	148.537	69.616	31.162	20.898	19.428	10.715
10.221	229.887	201.812	148.093	70.875	30.922	20.611	19.097	11.123
10.699	230.015	201.914	147.314	72.507	30.678	20.366	18.688	11.619
11.146	230.066	202.177	146.417	74.022	30.394	20.176	18.410	12.081
11.625	230.115	202.525	145.380	75.597	30.099	19.944	18.270	12.576
12.216	230.192	202.925	144.167	77.372	29.877	19.610	18.258	13.189
12.781	230.228	203.253	143.208	78.866	29.703	19.297	18.282	13.774
13.397	230.189	203.589	142.408	80.263	29.509	18.997	18.245	14.411
14.174	230.087	203.958	141.707	81.679	29.451	18.636	18.112	15.215

MACH NO = 30.00 CONE ANGLE = 15.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
14.900	230.044	204.211	141.299	82.681	29.478	18.262	17.993	15.967
15.778	230.029	204.320	140.982	83.491	29.610	17.784	17.908	16.876
16.598	230.071	204.305	140.786	83.921	29.947	17.417	17.831	17.725
17.477	230.142	204.207	140.626	84.113	30.364	17.108	17.705	18.636
18.571	230.244	204.063	140.512	84.025	31.057	16.732	17.500	19.767
19.621	230.360	203.946	140.468	83.661	31.815	16.401	17.305	20.855
20.779	230.494	203.842	140.461	83.074	32.649	16.138	17.124	22.054
22.256	230.625	203.759	140.439	82.266	33.746	15.900	16.916	23.582
23.643	230.731	203.777	140.428	81.578	34.631	15.684	16.689	25.018
25.106	230.800	203.841	140.402	80.934	35.495	15.509	16.426	26.533
26.877	230.855	203.945	140.376	80.259	36.317	15.379	16.148	28.367
28.520	230.887	204.040	140.350	79.718	36.977	15.283	15.900	30.067
30.254	230.908	204.141	140.317	79.235	37.489	15.228	15.600	31.862
32.354	230.929	204.251	140.283	78.750	37.972	15.226	15.184	34.037
34.302	230.945	204.330	140.259	78.385	38.268	15.240	14.793	36.053
36.359	230.959	204.392	140.261	78.075	38.482	15.277	14.501	38.183
38.850	230.967	204.447	140.297	77.759	38.640	15.385	14.365	40.763
41.161	230.966	204.483	140.361	77.507	38.676	15.500	14.255	43.155
43.601	230.957	204.507	140.453	77.267	38.653	15.615	14.065	45.681
46.557	230.937	204.521	140.588	77.002	38.521	15.779	13.876	48.741
49.299	230.913	204.526	140.728	76.781	38.367	15.935	13.750	51.579
52.193	230.885	204.525	140.878	76.570	38.206	16.075	13.605	54.575
55.698	230.853	204.517	141.054	76.346	38.013	16.243	13.446	58.204
58.948	230.826	204.507	141.204	76.173	37.847	16.398	13.336	61.569
62.885	230.799	204.493	141.363	76.003	37.654	16.549	13.213	65.645
66.535	230.780	204.479	141.487	75.882	37.481	16.674	13.114	69.423
70.387	230.765	204.464	141.594	75.786	37.304	16.808	13.029	73.412
75.052	230.754	204.448	141.695	75.710	37.099	16.932	12.942	78.241
79.376	230.749	204.434	141.766	75.670	36.917	17.017	12.881	82.718
83.940	230.746	204.421	141.820	75.652	36.736	17.103	12.831	87.443
89.466	230.747	204.407	141.866	75.654	36.534	17.185	12.775	93.163
94.588	230.750	204.397	141.893	75.675	36.366	17.233	12.738	98.466
99.993	230.755	204.387	141.910	75.709	36.209	17.281	12.716	104.062
106.537	230.762	204.377	141.920	75.761	36.043	17.329	12.693	110.837
112.602	230.769	204.369	141.922	75.816	35.913	17.351	12.680	117.116
119.003	230.777	204.362	141.918	75.876	35.796	17.362	12.677	123.743
126.753	230.786	204.355	141.908	75.948	35.681	17.366	12.675	131.766
133.936	230.795	204.350	141.897	76.014	35.596	17.347	12.675	139.202
141.516	230.803	204.346	141.882	76.079	35.524	17.308	12.679	147.049
150.693	230.812	204.342	141.864	76.153	35.457	17.236	12.680	156.550
159.199	230.819	204.339	141.846	76.217	35.409	17.133	12.678	165.357
168.176	230.826	204.337	141.826	76.279	35.370	16.965	12.673	174.650
179.045	230.833	204.336	141.804	76.346	35.337	16.638	12.654	185.903
189.120	230.838	204.335	141.783	76.403	35.316	16.109	12.618	196.333
201.318	230.844	204.335	141.760	76.464	35.305	14.818	12.537	208.961

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	4.680	4.401	3.708	2.910	2.259	1.864	1.734	1.222
.753	4.823	4.518	3.770	2.928	2.258	1.858	1.727	1.323
.833	4.897	4.580	3.811	2.956	2.278	1.873	1.742	1.407
.936	4.948	4.618	3.825	2.960	2.284	1.882	1.752	1.518
1.045	4.971	4.634	3.827	2.952	2.279	1.883	1.755	1.633
1.159	4.977	4.634	3.817	2.938	2.268	1.879	1.754	1.755
1.279	4.976	4.628	3.802	2.922	2.254	1.871	1.749	1.882
1.429	4.973	4.621	3.783	2.898	2.237	1.861	1.742	2.043
1.560	4.975	4.619	3.772	2.880	2.221	1.852	1.736	2.182
1.695	4.987	4.624	3.765	2.864	2.206	1.842	1.729	2.325
1.833	5.007	4.636	3.763	2.852	2.191	1.833	1.723	2.472
1.974	5.034	4.655	3.766	2.843	2.179	1.825	1.717	2.623
2.119	5.037	4.653	3.742	2.822	2.165	1.816	1.716	2.776
2.296	5.098	4.677	3.726	2.798	2.154	1.804	1.710	2.965
2.447	5.134	4.724	3.769	2.804	2.150	1.796	1.701	3.126
2.602	5.181	4.754	3.792	2.823	2.148	1.790	1.689	3.290
2.759	5.223	4.801	3.802	2.832	2.145	1.789	1.679	3.458
2.920	5.264	4.838	3.834	2.830	2.139	1.792	1.675	3.629
3.085	5.298	4.878	3.864	2.831	2.131	1.795	1.676	3.805
3.255	5.329	4.914	3.885	2.844	2.129	1.797	1.684	3.985
3.465	5.360	4.951	3.921	2.865	2.135	1.796	1.696	4.209
3.646	5.384	4.978	3.951	2.878	2.146	1.792	1.704	4.401
3.833	5.407	5.001	3.974	2.885	2.156	1.788	1.708	4.601
4.027	5.429	5.022	4.003	2.898	2.163	1.783	1.706	4.807
4.228	5.448	5.042	4.029	2.916	2.165	1.781	1.700	5.021
4.438	5.464	5.061	4.050	2.933	2.165	1.783	1.691	5.244
4.701	5.481	5.081	4.077	2.943	2.167	1.791	1.683	5.525
4.933	5.493	5.095	4.097	2.953	2.173	1.801	1.683	5.771
5.175	5.503	5.107	4.112	2.971	2.182	1.812	1.691	6.029
5.431	5.511	5.117	4.129	2.989	2.193	1.823	1.706	6.301
5.701	5.518	5.125	4.144	3.001	2.200	1.831	1.724	6.589
5.988	5.523	5.131	4.156	3.012	2.205	1.835	1.741	6.893
6.354	5.527	5.137	4.171	3.033	2.212	1.839	1.755	7.284
6.682	5.530	5.140	4.180	3.049	2.222	1.843	1.759	7.632
7.032	5.532	5.142	4.189	3.060	2.234	1.851	1.760	8.004
7.406	5.533	5.144	4.196	3.072	2.242	1.862	1.763	8.402
7.806	5.533	5.145	4.200	3.088	2.245	1.871	1.772	8.829
8.237	5.533	5.145	4.203	3.100	2.248	1.878	1.787	9.287
8.699	5.533	5.145	4.206	3.109	2.256	1.881	1.801	9.779
9.300	5.533	5.144	4.206	3.123	2.268	1.886	1.811	10.419
9.844	5.533	5.143	4.207	3.132	2.275	1.894	1.812	10.997
10.429	5.533	5.143	4.206	3.138	2.279	1.906	1.813	11.620
11.059	5.533	5.142	4.204	3.146	2.286	1.915	1.821	12.290
11.737	5.534	5.141	4.203	3.152	2.297	1.920	1.836	13.012
12.467	5.535	5.141	4.200	3.155	2.305	1.921	1.852	13.789

MACH NO = 3.50 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
13.415	5.536	5.141	4.197	3.159	2.311	1.925	1.860	14.798
14.270	5.537	5.141	4.195	3.161	2.318	1.930	1.859	15.707
15.186	5.539	5.141	4.192	3.162	2.326	1.936	1.859	16.682
16.168	5.540	5.142	4.190	3.162	2.333	1.938	1.866	17.727
17.219	5.542	5.143	4.187	3.162	2.338	1.938	1.874	18.845
18.340	5.543	5.144	4.185	3.161	2.343	1.940	1.878	20.038
19.773	5.545	5.145	4.183	3.159	2.350	1.945	1.874	21.563
21.044	5.546	5.146	4.182	3.158	2.354	1.948	1.873	22.916
22.389	5.546	5.148	4.181	3.156	2.356	1.949	1.876	24.348
23.814	5.547	5.149	4.181	3.154	2.359	1.950	1.880	25.864
25.322	5.547	5.150	4.180	3.151	2.362	1.952	1.881	27.468
26.918	5.548	5.151	4.181	3.149	2.363	1.955	1.878	29.167
28.608	5.548	5.151	4.181	3.147	2.364	1.957	1.876	30.966
30.768	5.547	5.152	4.182	3.144	2.365	1.958	1.877	33.264
32.684	5.547	5.153	4.183	3.142	2.366	1.959	1.878	35.304
34.713	5.547	5.153	4.183	3.141	2.366	1.961	1.877	37.463
36.861	5.547	5.153	4.184	3.139	2.366	1.963	1.874	39.748
39.135	5.546	5.153	4.186	3.138	2.366	1.964	1.873	42.168
41.543	5.546	5.153	4.187	3.137	2.366	1.964	1.873	44.730
44.619	5.546	5.153	4.188	3.135	2.366	1.965	1.874	48.004
47.348	5.545	5.153	4.189	3.135	2.365	1.966	1.874	50.908
50.237	5.545	5.153	4.189	3.134	2.365	1.967	1.873	53.983
53.296	5.545	5.153	4.190	3.133	2.364	1.967	1.872	57.238
56.534	5.545	5.153	4.190	3.133	2.364	1.967	1.872	60.684
59.962	5.545	5.153	4.191	3.133	2.364	1.968	1.873	64.331
64.341	5.545	5.152	4.191	3.133	2.363	1.968	1.873	68.992
68.226	5.545	5.152	4.192	3.133	2.363	1.968	1.873	73.126
72.338	5.545	5.152	4.192	3.133	2.363	1.968	1.873	77.502
76.692	5.545	5.152	4.192	3.133	2.362	1.968	1.873	82.135
81.300	5.545	5.152	4.192	3.133	2.362	1.969	1.873	87.039
86.177	5.545	5.152	4.192	3.133	2.362	1.969	1.873	92.230
91.341	5.545	5.152	4.192	3.133	2.362	1.969	1.873	97.724
97.937	5.546	5.152	4.192	3.133	2.361	1.969	1.873	104.744
103.789	5.546	5.152	4.192	3.133	2.361	1.969	1.873	110.972
109.984	5.546	5.152	4.192	3.133	2.361	1.969	1.873	117.564
116.541	5.546	5.152	4.191	3.134	2.361	1.970	1.873	124.542
123.482	5.546	5.152	4.191	3.134	2.361	1.970	1.873	131.928
130.829	5.546	5.152	4.191	3.134	2.360	1.970	1.873	139.747
140.217	5.546	5.152	4.191	3.134	2.360	1.970	1.873	149.737
148.544	5.546	5.152	4.191	3.134	2.360	1.970	1.873	158.599
157.359	5.546	5.152	4.191	3.134	2.360	1.970	1.873	167.980
166.691	5.546	5.152	4.191	3.135	2.360	1.970	1.873	177.911
176.569	5.547	5.152	4.191	3.135	2.359	1.971	1.873	188.423
187.026	5.547	5.152	4.191	3.135	2.359	1.971	1.873	199.551
200.387	5.547	5.152	4.190	3.135	2.359	1.971	1.873	213.769

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
.658	8.598	8.044	6.680	5.134	3.900	3.163	2.925	1.222
.762	8.735	8.142	6.700	5.101	3.851	3.116	2.879	1.333
.855	8.754	8.138	6.664	5.064	3.827	3.100	2.867	1.432
.974	8.731	8.096	6.589	4.981	3.764	3.059	2.834	1.558
1.100	8.678	8.028	6.501	4.892	3.690	3.006	2.789	1.692
1.232	8.626	7.961	6.408	4.801	3.616	2.949	2.740	1.833
1.370	8.587	7.907	6.326	4.710	3.543	2.893	2.690	1.980
1.513	8.573	7.875	6.261	4.628	3.471	2.838	2.643	2.131
1.658	8.596	7.872	6.217	4.559	3.404	2.786	2.597	2.286
1.805	8.654	7.900	6.193	4.505	3.344	2.736	2.554	2.442
1.952	8.741	7.955	6.188	4.463	3.292	2.690	2.513	2.599
2.100	8.822	8.009	6.168	4.418	3.250	2.646	2.474	2.756
2.249	8.968	8.078	6.155	4.380	3.214	2.606	2.433	2.914
2.398	9.096	8.208	6.229	4.372	3.180	2.576	2.396	3.074
2.549	9.235	8.318	6.279	4.380	3.147	2.555	2.368	3.234
2.700	9.354	8.447	6.328	4.381	3.120	2.539	2.350	3.395
2.853	9.456	8.558	6.412	4.383	3.102	2.522	2.341	3.557
3.008	9.542	8.663	6.480	4.400	3.096	2.501	2.334	3.722
3.165	9.620	8.748	6.555	4.430	3.099	2.476	2.324	3.890
3.325	9.696	8.825	6.640	4.457	3.104	2.450	2.307	4.060
3.488	9.771	8.895	6.710	4.477	3.102	2.425	2.282	4.234
3.655	9.838	8.964	6.788	4.502	3.093	2.407	2.252	4.411
3.827	9.896	9.029	6.860	4.537	3.082	2.397	2.222	4.594
4.003	9.943	9.090	6.920	4.571	3.078	2.397	2.198	4.781
4.185	9.982	9.141	6.985	4.598	3.083	2.403	2.186	4.975
4.374	10.015	9.185	7.038	4.630	3.097	2.413	2.186	5.177
4.571	10.041	9.219	7.089	4.673	3.114	2.422	2.198	5.386
4.777	10.061	9.246	7.143	4.717	3.127	2.425	2.217	5.605
4.992	10.075	9.266	7.186	4.750	3.136	2.421	2.235	5.834
5.218	10.085	9.281	7.233	4.787	3.145	2.413	2.245	6.075
5.498	10.094	9.291	7.275	4.843	3.165	2.406	2.244	6.373
5.753	10.099	9.295	7.308	4.879	3.188	2.409	2.233	6.644
6.025	10.104	9.297	7.334	4.913	3.203	2.421	2.221	6.933
6.314	10.106	9.298	7.351	4.959	3.208	2.438	2.220	7.241
6.624	10.106	9.299	7.367	4.995	3.216	2.450	2.232	7.570
6.956	10.104	9.299	7.372	5.025	3.237	2.455	2.254	7.924
7.313	10.102	9.298	7.378	5.067	3.267	2.457	2.275	8.304
7.699	10.099	9.296	7.376	5.098	3.284	2.467	2.284	8.715
8.117	10.097	9.293	7.376	5.125	3.292	2.491	2.284	9.160
8.570	10.095	9.291	7.371	5.159	3.317	2.519	2.290	9.642
9.062	10.094	9.288	7.367	5.176	3.351	2.537	2.317	10.165
9.597	10.093	9.286	7.361	5.198	3.367	2.539	2.358	10.734
10.179	10.093	9.285	7.355	5.214	3.382	2.541	2.390	11.354
10.813	10.093	9.284	7.349	5.219	3.416	2.564	2.396	12.020
11.502	10.095	9.284	7.341	5.232	3.438	2.592	2.398	12.762

MACH NO = 5.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	θc	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
12.252	10.097	9.283	7.335	5.232	3.450	2.595	2.423	13.560
13.067	10.100	9.284	7.328	5.234	3.482	2.592	2.459	14.427
13.951	10.104	9.285	7.323	5.234	3.504	2.615	2.472	15.367
14.909	10.108	9.286	7.318	5.230	3.513	2.638	2.471	16.387
15.945	10.111	9.288	7.314	5.227	3.537	2.633	2.486	17.490
17.056	10.115	9.291	7.310	5.221	3.554	2.638	2.512	18.672
18.236	10.118	9.294	7.307	5.216	3.556	2.664	2.515	19.928
19.489	10.121	9.297	7.305	5.209	3.570	2.672	2.508	21.262
20.820	10.123	9.300	7.303	5.202	3.581	2.665	2.518	22.678
22.234	10.125	9.302	7.303	5.196	3.581	2.677	2.532	24.183
23.737	10.126	9.305	7.303	5.190	3.585	2.698	2.525	25.781
25.332	10.127	9.307	7.303	5.183	3.592	2.699	2.513	27.479
27.027	10.127	9.308	7.305	5.177	3.593	2.695	2.521	29.283
28.828	10.127	9.310	7.306	5.171	3.592	2.707	2.529	31.200
30.742	10.127	9.311	7.309	5.166	3.593	2.722	2.519	33.236
33.125	10.126	9.312	7.312	5.160	3.593	2.718	2.509	35.773
35.307	10.126	9.312	7.314	5.156	3.591	2.716	2.519	38.094
37.624	10.125	9.312	7.317	5.153	3.589	2.726	2.525	40.561
40.087	10.124	9.312	7.320	5.150	3.587	2.734	2.515	43.181
42.702	10.124	9.312	7.322	5.148	3.585	2.731	2.507	45.964
45.481	10.123	9.312	7.324	5.147	3.583	2.728	2.515	48.921
48.432	10.123	9.312	7.326	5.146	3.581	2.733	2.524	52.062
51.568	10.123	9.311	7.327	5.145	3.578	2.728	2.518	55.399
54.899	10.123	9.311	7.328	5.145	3.577	2.737	2.510	58.943
58.436	10.123	9.310	7.329	5.145	3.575	2.735	2.512	62.703
62.194	10.123	9.310	7.329	5.146	3.573	2.736	2.520	66.708
66.186	10.123	9.310	7.330	5.146	3.571	2.738	2.522	70.955
70.426	10.123	9.310	7.330	5.147	3.570	2.739	2.515	75.468
74.930	10.123	9.309	7.330	5.148	3.569	2.738	2.512	80.260
79.714	10.124	9.309	7.329	5.149	3.568	2.737	2.516	85.351
84.795	10.124	9.309	7.329	5.150	3.567	2.738	2.521	90.758
90.192	10.124	9.309	7.329	5.150	3.566	2.739	2.520	96.502
95.924	10.124	9.309	7.328	5.151	3.565	2.739	2.516	102.602
102.014	10.125	9.309	7.328	5.152	3.565	2.738	2.516	109.082
108.481	10.125	9.309	7.327	5.153	3.564	2.738	2.518	115.965
115.351	10.125	9.309	7.327	5.153	3.563	2.739	2.520	123.276
122.649	10.125	9.309	7.327	5.154	3.563	2.739	2.519	131.042
130.400	10.125	9.309	7.326	5.154	3.563	2.739	2.517	139.291
138.634	10.125	9.309	7.326	5.155	3.562	2.739	2.518	148.053
147.380	10.125	9.309	7.326	5.155	3.562	2.739	2.518	157.360
156.670	10.125	9.309	7.325	5.156	3.562	2.739	2.519	167.246
166.538	10.126	9.309	7.325	5.156	3.561	2.739	2.518	177.748
177.021	10.126	9.309	7.325	5.156	3.561	2.740	2.518	188.903
188.155	10.126	9.309	7.325	5.157	3.561	2.740	2.518	200.752
202.025	10.126	9.309	7.325	5.157	3.561	2.740	2.519	215.512

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	31.410	29.244	23.955	18.050	13.434	10.728	9.861	1.222
.939	30.805	28.418	22.807	16.910	12.529	10.033	9.242	1.521
1.265	29.715	27.167	21.363	15.571	11.467	9.214	8.516	1.868
1.633	29.477	26.627	20.376	14.436	10.484	8.439	7.826	2.259
1.974	30.449	27.119	20.085	13.778	9.796	7.846	7.287	2.622
2.316	32.175	28.393	20.318	13.416	9.291	7.371	6.841	2.986
2.637	33.568	29.814	20.908	13.293	8.950	7.011	6.495	3.328
2.945	34.607	30.858	21.674	13.330	8.721	6.731	6.217	3.656
3.227	35.554	31.703	22.412	13.456	8.578	6.522	6.002	3.956
3.520	36.297	32.581	23.099	13.648	8.484	6.346	5.812	4.267
3.812	36.734	33.257	23.698	13.881	8.433	6.205	5.655	4.578
4.108	36.957	33.667	24.283	14.148	8.413	6.093	5.523	4.893
4.394	37.028	33.861	24.829	14.426	8.416	6.009	5.418	5.198
4.707	37.045	33.912	25.333	14.730	8.438	5.938	5.326	5.530
5.031	37.062	33.869	25.705	15.027	8.474	5.885	5.250	5.876
5.349	37.055	33.820	25.931	15.298	8.517	5.849	5.193	6.214
5.700	37.024	33.776	26.057	15.582	8.572	5.822	5.147	6.588
6.066	37.010	33.722	26.088	15.874	8.634	5.806	5.113	6.977
6.448	37.020	33.678	26.049	16.169	8.705	5.799	5.092	7.384
6.824	37.037	33.664	25.986	16.433	8.780	5.799	5.081	7.783
7.238	37.056	33.675	25.918	16.681	8.866	5.806	5.079	8.224
7.671	37.071	33.700	25.851	16.883	8.959	5.818	5.086	8.685
8.122	37.076	33.730	25.787	17.036	9.058	5.834	5.102	9.165
8.567	37.079	33.755	25.738	17.140	9.157	5.853	5.123	9.639
9.059	37.087	33.769	25.705	17.215	9.270	5.876	5.151	10.162
9.573	37.094	33.777	25.687	17.258	9.390	5.901	5.184	10.708
10.079	37.096	33.783	25.676	17.273	9.510	5.928	5.220	11.248
10.639	37.094	33.786	25.673	17.271	9.642	5.959	5.261	11.844
11.225	37.091	33.782	25.671	17.258	9.777	5.993	5.305	12.467
11.838	37.088	33.772	25.670	17.236	9.909	6.030	5.352	13.119
12.443	37.088	33.760	25.667	17.209	10.026	6.068	5.397	13.763
13.112	37.090	33.747	25.662	17.173	10.137	6.112	5.445	14.475
13.812	37.091	33.736	25.655	17.136	10.234	6.158	5.494	15.220
14.545	37.092	33.729	25.646	17.101	10.315	6.206	5.543	16.000
15.268	37.092	33.725	25.636	17.071	10.380	6.253	5.588	16.769
16.068	37.091	33.722	25.623	17.041	10.437	6.304	5.635	17.620
16.905	37.089	33.721	25.611	17.012	10.483	6.357	5.680	18.511
17.781	37.086	33.720	25.599	16.985	10.519	6.409	5.723	19.444
18.646	37.084	33.720	25.590	16.962	10.544	6.459	5.762	20.365
19.604	37.081	33.720	25.582	16.939	10.561	6.511	5.801	21.384
20.606	37.079	33.720	25.575	16.917	10.572	6.560	5.838	22.450
21.595	37.078	33.721	25.570	16.897	10.576	6.604	5.872	23.503
22.690	37.077	33.721	25.565	16.878	10.575	6.647	5.906	24.668
23.836	37.077	33.722	25.563	16.860	10.569	6.685	5.938	25.888
25.036	37.077	33.724	25.561	16.844	10.560	6.717	5.968	27.164

MACH NO = 10.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
26.220	37.077	33.726	25.561	16.829	10.548	6.744	5.995	28.424
27.530	37.077	33.727	25.563	16.815	10.535	6.768	6.021	29.818
28.901	37.076	33.729	25.565	16.801	10.521	6.788	6.045	31.277
30.336	37.074	33.731	25.569	16.788	10.508	6.805	6.067	32.804
31.753	37.072	33.732	25.573	16.777	10.496	6.818	6.086	34.312
33.321	37.070	33.732	25.577	16.767	10.482	6.830	6.105	35.981
34.962	37.068	33.732	25.582	16.757	10.470	6.839	6.121	37.727
36.582	37.067	33.731	25.587	16.749	10.458	6.846	6.136	39.451
38.375	37.065	33.730	25.591	16.741	10.446	6.851	6.150	41.359
40.251	37.063	33.729	25.595	16.734	10.434	6.854	6.164	43.356
42.215	37.062	33.728	25.599	16.729	10.423	6.856	6.178	45.446
44.153	37.062	33.726	25.602	16.724	10.414	6.857	6.190	47.508
46.298	37.062	33.725	25.604	16.720	10.404	6.856	6.203	49.791
48.543	37.062	33.724	25.606	16.716	10.395	6.855	6.215	52.180
50.892	37.062	33.723	25.607	16.713	10.387	6.854	6.227	54.679
53.210	37.063	33.722	25.608	16.710	10.379	6.852	6.237	57.147
55.776	37.063	33.722	25.609	16.708	10.372	6.850	6.248	59.877
58.460	37.064	33.722	25.609	16.705	10.366	6.847	6.258	62.734
61.270	37.064	33.722	25.610	16.703	10.359	6.845	6.267	65.723
64.042	37.064	33.722	25.610	16.701	10.354	6.843	6.276	68.674
67.111	37.065	33.723	25.611	16.699	10.349	6.841	6.284	71.939
70.322	37.065	33.723	25.611	16.697	10.344	6.839	6.292	75.356
73.491	37.065	33.723	25.612	16.695	10.340	6.837	6.299	78.729
76.998	37.065	33.723	25.612	16.693	10.336	6.836	6.306	82.461
80.668	37.065	33.723	25.613	16.691	10.333	6.834	6.313	86.367
84.509	37.065	33.723	25.614	16.689	10.330	6.832	6.319	90.454
88.300	37.065	33.723	25.615	16.688	10.327	6.831	6.324	94.488
92.495	37.064	33.722	25.616	16.686	10.324	6.829	6.329	98.952
96.885	37.064	33.722	25.617	16.684	10.322	6.828	6.334	103.624
101.478	37.064	33.721	25.617	16.682	10.320	6.826	6.339	108.513
106.013	37.064	33.721	25.618	16.681	10.319	6.825	6.343	113.338
111.031	37.064	33.720	25.619	16.680	10.317	6.824	6.347	118.678
116.282	37.064	33.720	25.620	16.678	10.316	6.823	6.351	124.266
121.465	37.064	33.719	25.620	16.677	10.315	6.822	6.354	129.781
127.200	37.064	33.719	25.621	16.676	10.314	6.821	6.357	135.885
133.202	37.064	33.718	25.621	16.675	10.313	6.820	6.360	142.272
139.483	37.064	33.717	25.622	16.674	10.312	6.819	6.363	148.956
145.683	37.064	33.717	25.622	16.673	10.311	6.818	6.365	155.554
152.544	37.064	33.716	25.623	16.672	10.311	6.817	6.368	162.855
159.723	37.064	33.716	25.623	16.671	10.310	6.816	6.370	170.495
167.236	37.063	33.715	25.623	16.670	10.310	6.815	6.372	178.491
174.652	37.063	33.715	25.624	16.669	10.310	6.815	6.374	186.383
182.659	37.063	33.714	25.624	16.668	10.310	6.814	6.375	195.116
191.447	37.063	33.714	25.625	16.668	10.309	6.813	6.377	204.256
200.435	37.063	33.713	25.625	16.667	10.309	6.812	6.379	213.820

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	69.372	64.521	52.697	39.545	29.304	23.323	21.412	1.222
.970	67.200	61.864	49.395	36.393	26.830	21.431	19.728	1.554
1.314	64.524	58.794	45.844	33.110	24.241	19.426	17.942	1.920
1.694	64.413	57.824	43.650	30.503	21.946	17.598	16.309	2.324
2.059	67.528	59.589	43.161	28.985	20.321	16.179	15.009	2.713
2.399	71.693	62.993	43.961	28.239	19.221	15.131	14.022	3.074
2.716	74.566	66.089	45.524	28.021	18.473	14.335	13.254	3.412
3.019	77.177	68.363	47.381	28.141	17.962	13.712	12.633	3.734
3.310	79.467	70.649	49.113	28.463	17.625	13.217	12.123	4.044
3.596	80.914	72.684	50.590	28.913	17.412	12.819	11.696	4.348
3.882	81.668	74.039	52.009	29.460	17.288	12.494	11.334	4.652
4.173	81.934	74.756	53.494	30.090	17.228	12.228	11.024	4.962
4.471	81.950	74.982	54.897	30.764	17.220	12.011	10.757	5.280
4.781	81.949	74.879	56.008	31.434	17.251	11.837	10.531	5.609
5.102	81.897	74.693	56.753	32.080	17.312	11.698	10.341	5.951
5.436	81.773	74.521	57.166	32.732	17.395	11.589	10.184	6.306
5.785	81.704	74.316	57.292	33.429	17.499	11.506	10.057	6.677
6.148	81.717	74.138	57.199	34.167	17.624	11.446	9.957	7.064
6.546	81.773	74.066	56.991	34.933	17.776	11.404	9.879	7.488
6.941	81.844	74.094	56.769	35.592	17.937	11.382	9.828	7.908
7.352	81.901	74.182	56.538	36.140	18.108	11.373	9.800	8.345
7.780	81.927	74.295	56.315	36.563	18.290	11.374	9.792	8.801
8.227	81.949	74.391	56.147	36.874	18.489	11.384	9.801	9.276
8.692	81.978	74.453	56.050	37.084	18.712	11.400	9.825	9.772
9.178	81.997	74.494	56.010	37.201	18.965	11.423	9.864	10.289
9.686	82.003	74.526	56.007	37.241	19.250	11.454	9.914	10.829
10.216	82.004	74.539	56.025	37.229	19.560	11.492	9.975	11.393
10.770	81.999	74.531	56.050	37.184	19.887	11.537	10.044	11.982
11.348	81.993	74.509	56.073	37.108	20.217	11.590	10.121	12.598
11.953	81.989	74.476	56.090	37.005	20.534	11.650	10.204	13.242
12.585	81.989	74.439	56.101	36.891	20.827	11.717	10.292	13.914
13.246	81.990	74.407	56.106	36.783	21.088	11.793	10.383	14.617
13.936	81.993	74.383	56.099	36.687	21.318	11.876	10.476	15.352
14.658	81.998	74.367	56.081	36.603	21.517	11.970	10.569	16.120
15.412	81.998	74.358	56.054	36.528	21.687	12.073	10.661	16.923
16.201	81.993	74.356	56.024	36.460	21.826	12.186	10.753	17.762
17.069	81.986	74.358	55.993	36.397	21.938	12.314	10.847	18.686
17.934	81.977	74.361	55.966	36.344	22.015	12.440	10.936	19.606
18.837	81.969	74.364	55.942	36.295	22.065	12.570	11.024	20.568
19.782	81.962	74.366	55.923	36.251	22.091	12.700	11.110	21.573
20.770	81.957	74.367	55.907	36.211	22.095	12.826	11.194	22.625
21.803	81.954	74.368	55.894	36.176	22.080	12.945	11.276	23.724
22.884	81.953	74.369	55.886	36.143	22.049	13.055	11.355	24.874
24.013	81.955	74.370	55.881	36.111	22.011	13.155	11.430	26.076
25.194	81.957	74.372	55.879	36.080	21.969	13.246	11.499	27.332

MACH NO = 15.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

		P / P FREE-STREAM AT PLANE ANGLES						
L/RN	0.	30.	60.	90.	120.	150.	180.	S/RN
26.428	81.959	74.375	55.881	36.050	21.927	13.327	11.563	28.645
27.718	81.959	74.379	55.885	36.022	21.885	13.399	11.621	30.019
29.067	81.957	74.383	55.891	35.995	21.844	13.462	11.672	31.454
30.478	81.954	74.387	55.900	35.970	21.805	13.515	11.718	32.955
31.953	81.949	74.389	55.909	35.947	21.767	13.560	11.759	34.525
33.495	81.944	74.390	55.920	35.925	21.732	13.595	11.796	36.166
35.107	81.939	74.390	55.932	35.905	21.699	13.622	11.832	37.882
36.793	81.935	74.389	55.943	35.887	21.669	13.641	11.865	39.675
38.555	81.930	74.386	55.953	35.871	21.640	13.654	11.898	41.551
40.497	81.927	74.383	55.962	35.856	21.613	13.661	11.931	43.618
42.428	81.925	74.379	55.970	35.844	21.588	13.663	11.962	45.673
44.447	81.924	74.375	55.977	35.833	21.566	13.661	11.991	47.821
46.558	81.924	74.372	55.981	35.824	21.545	13.655	12.019	50.067
48.764	81.925	74.369	55.985	35.817	21.526	13.648	12.045	52.415
51.070	81.927	74.366	55.987	35.810	21.508	13.640	12.070	54.870
53.482	81.929	74.365	55.988	35.805	21.491	13.632	12.093	57.435
56.002	81.930	74.364	55.989	35.799	21.475	13.623	12.115	60.118
58.637	81.931	74.364	55.989	35.794	21.460	13.615	12.136	62.921
61.391	81.932	74.364	55.990	35.790	21.447	13.606	12.156	65.853
64.271	81.933	74.365	55.990	35.785	21.434	13.598	12.175	68.917
67.281	81.933	74.366	55.991	35.781	21.422	13.590	12.193	72.120
70.427	81.933	74.366	55.992	35.776	21.411	13.583	12.210	75.469
73.717	81.933	74.367	55.993	35.771	21.402	13.576	12.227	78.970
77.156	81.932	74.367	55.995	35.767	21.393	13.570	12.243	82.629
80.751	81.932	74.367	55.997	35.762	21.384	13.564	12.258	86.455
84.510	81.932	74.367	55.999	35.757	21.377	13.558	12.272	90.455
88.439	81.932	74.366	56.001	35.752	21.370	13.553	12.285	94.637
92.768	81.931	74.365	56.003	35.748	21.364	13.547	12.298	99.244
97.073	81.931	74.364	56.006	35.743	21.359	13.543	12.309	103.824
101.573	81.931	74.363	56.008	35.739	21.354	13.538	12.319	108.613
106.277	81.930	74.362	56.010	35.735	21.350	13.534	12.329	113.619
111.195	81.930	74.361	56.012	35.731	21.346	13.530	12.338	118.853
116.337	81.930	74.359	56.014	35.728	21.343	13.526	12.347	124.324
121.711	81.930	74.358	56.016	35.724	21.340	13.522	12.355	130.044
127.331	81.929	74.356	56.017	35.721	21.338	13.518	12.363	136.024
133.205	81.929	74.355	56.019	35.718	21.335	13.514	12.370	142.275
139.346	81.929	74.353	56.020	35.715	21.333	13.511	12.377	148.810
145.766	81.928	74.352	56.021	35.713	21.332	13.507	12.383	155.642
152.478	81.928	74.351	56.022	35.710	21.330	13.503	12.389	162.785
159.494	81.928	74.349	56.023	35.708	21.329	13.500	12.395	170.252
166.829	81.927	74.348	56.024	35.706	21.328	13.496	12.400	178.058
174.498	81.927	74.347	56.025	35.704	21.327	13.493	12.405	186.218
182.515	81.927	74.346	56.026	35.702	21.326	13.489	12.410	194.750
190.896	81.926	74.344	56.027	35.700	21.325	13.486	12.415	203.669
200.130	81.925	74.343	56.028	35.698	21.324	13.482	12.420	213.495

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	0.	P / P FREE-STREAM AT PLANE ANGLES 30.	60.	90.	120.	150.	180.	S/RN
.658	122.516	113.909	92.935	69.644	51.524	40.956	37.581	1.222
.968	118.352	108.907	86.859	63.898	47.034	37.526	34.530	1.551
1.330	113.257	103.070	80.119	57.673	42.134	33.732	31.147	1.937
1.706	113.282	101.491	76.277	53.075	38.074	30.489	28.248	2.337
2.084	119.458	105.067	75.472	50.291	35.087	27.876	25.849	2.740
2.416	126.772	111.260	77.001	49.009	33.177	26.056	24.132	3.093
2.742	132.002	116.815	80.002	48.630	31.806	24.599	22.728	3.440
3.052	137.005	121.055	83.459	48.875	30.878	23.466	21.599	3.769
3.334	140.927	125.223	86.419	49.449	30.294	22.610	20.716	4.070
3.626	143.403	128.916	89.109	50.285	29.902	21.879	19.934	4.380
3.904	144.540	131.134	91.680	51.255	29.678	21.308	19.299	4.676
4.202	144.860	132.279	94.525	52.424	29.559	20.813	18.722	4.993
4.509	144.829	132.490	97.123	53.656	29.535	20.408	18.226	5.320
4.811	144.790	132.194	99.002	54.798	29.579	20.096	17.822	5.642
5.142	144.589	131.815	100.273	55.967	29.676	19.830	17.464	5.993
5.469	144.341	131.437	100.881	57.127	29.808	19.628	17.179	6.341
5.827	144.256	130.982	100.977	58.465	29.989	19.461	16.933	6.723
6.201	144.311	130.672	100.693	59.878	30.209	19.338	16.735	7.121
6.571	144.434	130.602	100.286	61.182	30.449	19.255	16.591	7.514
6.976	144.583	130.705	99.815	62.399	30.722	19.198	16.483	7.945
7.377	144.678	130.908	99.341	63.342	30.995	19.166	16.419	8.372
7.816	144.732	131.144	98.896	64.104	31.303	19.150	16.386	8.839
8.275	144.792	131.325	98.598	64.651	31.648	19.148	16.386	9.327
8.729	144.845	131.438	98.457	64.986	32.029	19.159	16.413	9.811
9.228	144.867	131.530	98.416	65.161	32.498	19.182	16.466	10.342
9.723	144.873	131.586	98.444	65.198	33.007	19.218	16.538	10.868
10.267	144.875	131.596	98.509	65.148	33.594	19.269	16.632	11.447
10.836	144.867	131.567	98.578	65.024	34.211	19.333	16.744	12.052
11.400	144.858	131.517	98.634	64.842	34.796	19.406	16.864	12.653
12.021	144.851	131.448	98.682	64.606	35.386	19.494	17.002	13.314
12.638	144.846	131.381	98.717	64.383	35.902	19.590	17.140	13.970
13.316	144.848	131.323	98.733	64.174	36.392	19.707	17.292	14.692
14.025	144.858	131.278	98.719	63.994	36.828	19.844	17.446	15.447
14.730	144.866	131.251	98.682	63.845	37.192	19.996	17.594	16.197
15.505	144.864	131.240	98.630	63.707	37.518	20.178	17.749	17.022
16.275	144.855	131.242	98.574	63.593	37.767	20.372	17.896	17.841
17.122	144.840	131.249	98.517	63.489	37.966	20.593	18.052	18.742
18.008	144.823	131.258	98.465	63.397	38.105	20.828	18.208	19.686
18.889	144.807	131.265	98.422	63.319	38.184	21.058	18.357	20.623
19.858	144.794	131.270	98.385	63.248	38.215	21.300	18.514	21.654
20.821	144.784	131.273	98.356	63.191	38.198	21.525	18.662	22.679
21.880	144.778	131.274	98.334	63.136	38.141	21.751	18.813	23.806
22.989	144.779	131.274	98.320	63.082	38.061	21.964	18.958	24.986
24.090	144.783	131.275	98.313	63.031	37.976	22.152	19.087	26.158
25.302	144.789	131.277	98.312	62.978	37.885	22.335	19.212	27.447

MACH NO = 20.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
26.505	144.794	131.282	98.315	62.930	37.800	22.495	19.318	28.727
27.829	144.795	131.289	98.323	62.882	37.711	22.646	19.418	30.136
29.143	144.792	131.296	98.335	62.838	37.631	22.773	19.502	31.535
30.590	144.786	131.302	98.351	62.795	37.551	22.887	19.581	33.075
32.104	144.777	131.307	98.370	62.754	37.477	22.980	19.653	34.686
33.608	144.768	131.309	98.390	62.717	37.414	23.050	19.718	36.286
35.262	144.758	131.309	98.410	62.681	37.352	23.105	19.783	38.047
36.906	144.749	131.306	98.429	62.650	37.299	23.141	19.844	39.796
38.715	144.741	131.302	98.448	62.620	37.248	23.163	19.906	41.721
40.607	144.735	131.296	98.465	62.594	37.203	23.172	19.966	43.735
42.487	144.732	131.289	98.478	62.573	37.163	23.169	20.020	45.735
44.555	144.730	131.282	98.490	62.554	37.124	23.159	20.074	47.936
46.609	144.731	131.275	98.497	62.539	37.089	23.145	20.121	50.122
48.869	144.734	131.269	98.503	62.525	37.054	23.127	20.168	52.527
51.233	144.737	131.265	98.506	62.513	37.021	23.108	20.212	55.043
53.581	144.741	131.262	98.508	62.503	36.993	23.088	20.251	57.542
56.165	144.744	131.260	98.509	62.494	36.965	23.066	20.291	60.291
58.730	144.746	131.260	98.509	62.485	36.940	23.045	20.327	63.021
61.552	144.748	131.261	98.510	62.477	36.915	23.025	20.364	66.024
64.506	144.749	131.262	98.511	62.469	36.892	23.005	20.399	69.167
67.438	144.749	131.264	98.512	62.461	36.872	22.988	20.432	72.288
70.665	144.748	131.265	98.514	62.452	36.852	22.971	20.464	75.722
73.869	144.747	131.266	98.516	62.444	36.835	22.956	20.494	79.132
77.395	144.747	131.266	98.519	62.435	36.818	22.942	20.522	82.884
81.085	144.746	131.266	98.523	62.426	36.803	22.929	20.549	86.810
84.748	144.746	131.265	98.527	62.417	36.789	22.917	20.573	90.709
88.780	144.745	131.264	98.531	62.408	36.777	22.906	20.596	94.999
92.783	144.744	131.263	98.535	62.400	36.766	22.896	20.617	99.259
97.187	144.744	131.261	98.540	62.391	36.756	22.885	20.637	103.946
101.797	144.743	131.259	98.544	62.383	36.747	22.875	20.655	108.851
106.374	144.742	131.257	98.548	62.375	36.740	22.866	20.672	113.722
111.410	144.742	131.254	98.552	62.368	36.733	22.857	20.688	119.082
116.411	144.741	131.251	98.556	62.361	36.727	22.848	20.703	124.404
121.914	144.741	131.249	98.559	62.355	36.721	22.839	20.717	130.260
127.672	144.740	131.246	98.562	62.348	36.717	22.831	20.732	136.388
133.391	144.739	131.243	98.564	62.343	36.713	22.822	20.743	142.473
139.683	144.739	131.241	98.567	62.337	36.709	22.814	20.755	149.169
145.930	144.738	131.238	98.569	62.333	36.706	22.806	20.766	155.817
152.805	144.738	131.236	98.571	62.328	36.703	22.797	20.776	163.133
159.999	144.737	131.233	98.573	62.323	36.700	22.789	20.787	170.789
167.143	144.736	131.231	98.575	62.319	36.698	22.781	20.796	178.391
175.003	144.736	131.229	98.576	62.315	36.696	22.773	20.806	186.756
182.782	144.735	131.227	98.577	62.314	36.692	22.768	20.814	195.034
191.292	144.734	131.225	98.577	62.312	36.688	22.764	20.822	204.090
200.142	144.733	131.224	98.577	62.311	36.685	22.759	20.830	213.509

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	190.834	177.399	144.663	108.332	80.091	63.627	58.366	1.222
.985	183.584	168.811	134.421	98.723	72.583	57.896	53.275	1.570
1.347	175.776	159.817	123.946	89.009	64.938	51.971	47.989	1.955
1.741	176.556	157.793	117.954	81.661	58.389	46.709	43.278	2.375
2.115	186.918	164.034	117.071	77.527	53.880	42.739	39.622	2.772
2.475	198.979	174.838	120.090	75.535	50.742	39.718	36.770	3.155
2.794	206.863	182.885	125.014	75.129	48.730	37.548	34.668	3.495
3.098	214.712	189.547	130.365	75.604	47.366	35.852	32.970	3.818
3.390	220.681	196.407	135.027	76.601	46.469	34.500	31.569	4.129
3.692	224.163	201.992	139.371	78.022	45.877	33.350	30.333	4.450
3.981	225.545	205.069	143.719	79.669	45.548	32.452	29.326	4.758
4.277	225.746	206.362	148.178	81.518	45.391	31.712	28.456	5.073
4.582	225.663	206.335	152.040	83.409	45.370	31.105	27.705	5.398
4.915	225.491	205.702	154.923	85.320	45.457	30.589	27.034	5.752
5.245	225.046	205.083	156.536	87.136	45.616	30.193	26.497	6.104
5.590	224.718	204.351	157.175	89.109	45.840	29.875	26.049	6.470
5.949	224.696	203.648	157.021	91.274	46.130	29.627	25.680	6.852
6.342	224.854	203.301	156.393	93.609	46.497	29.436	25.371	7.271
6.732	225.098	203.336	155.655	95.682	46.887	29.308	25.149	7.686
7.138	225.311	203.616	154.843	97.441	47.297	29.222	24.994	8.118
7.561	225.429	204.008	154.038	98.827	47.729	29.168	24.899	8.568
8.025	225.530	204.375	153.398	99.907	48.230	29.138	24.856	9.062
8.486	225.634	204.612	153.061	100.604	48.787	29.129	24.863	9.552
8.967	225.688	204.787	152.936	100.998	49.452	29.140	24.912	10.064
9.470	225.702	204.915	152.957	101.140	50.233	29.173	24.999	10.599
10.021	225.710	204.962	153.067	101.103	51.160	29.231	25.124	11.186
10.571	225.704	204.930	153.195	100.936	52.108	29.306	25.272	11.771
11.145	225.692	204.855	153.310	100.647	53.075	29.399	25.446	12.382
11.746	225.679	204.750	153.407	100.268	54.017	29.508	25.640	13.021
12.406	225.664	204.632	153.490	99.856	54.940	29.643	25.860	13.723
13.064	225.662	204.534	153.535	99.505	55.742	29.795	26.079	14.424
13.752	225.677	204.454	153.531	99.204	56.466	29.979	26.304	15.156
14.471	225.693	204.400	153.482	98.944	57.110	30.201	26.531	15.921
15.261	225.696	204.375	153.401	98.708	57.691	30.476	26.770	16.762
16.050	225.684	204.377	153.309	98.517	58.140	30.776	27.000	17.601
16.874	225.661	204.390	153.215	98.352	58.486	31.107	27.233	18.479
17.737	225.633	204.407	153.130	98.208	58.731	31.463	27.470	19.397
18.685	225.606	204.422	153.052	98.078	58.886	31.853	27.721	20.406
19.631	225.582	204.431	152.988	97.974	58.939	32.229	27.963	21.413
20.621	225.564	204.436	152.937	97.887	58.905	32.600	28.205	22.466
21.656	225.554	204.438	152.901	97.808	58.806	32.959	28.441	23.567
22.794	225.554	204.437	152.878	97.726	58.663	33.318	28.677	24.779
23.929	225.561	204.437	152.866	97.646	58.513	33.641	28.887	25.986
25.116	225.572	204.439	152.863	97.568	58.360	33.944	29.079	27.249
26.357	225.580	204.445	152.868	97.494	58.208	34.225	29.250	28.570

MACH NO = 25.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
27.721	225.583	204.455	152.881	97.418	58.053	34.493	29.409	30.022
29.082	225.580	204.467	152.900	97.348	57.912	34.719	29.541	31.470
30.505	225.571	204.477	152.925	97.281	57.783	34.912	29.661	32.984
31.994	225.557	204.485	152.955	97.218	57.665	35.071	29.772	34.568
33.630	225.541	204.490	152.989	97.156	57.553	35.201	29.884	36.310
35.262	225.525	204.490	153.021	97.100	57.458	35.292	29.988	38.047
36.970	225.511	204.486	153.052	97.049	57.372	35.351	30.090	39.864
38.755	225.498	204.479	153.081	97.003	57.296	35.383	30.188	41.764
40.718	225.488	204.469	153.108	96.961	57.224	35.392	30.287	43.853
42.676	225.483	204.457	153.130	96.927	57.162	35.387	30.375	45.936
44.723	225.481	204.446	153.147	96.898	57.103	35.362	30.456	48.115
46.864	225.483	204.435	153.159	96.873	57.047	35.334	30.531	50.394
49.218	225.488	204.425	153.167	96.851	56.992	35.299	30.605	52.898
51.565	225.494	204.418	153.172	96.833	56.944	35.252	30.672	55.396
54.019	225.499	204.414	153.174	96.817	56.899	35.222	30.736	58.007
56.585	225.504	204.412	153.175	96.802	56.856	35.182	30.797	60.738
59.406	225.508	204.412	153.175	96.788	56.815	35.141	30.860	63.741
62.219	225.511	204.413	153.176	96.775	56.778	35.104	30.917	66.734
65.161	225.512	204.416	153.177	96.762	56.743	35.070	30.977	69.864
68.237	225.511	204.418	153.179	96.749	56.711	35.039	31.027	73.138
71.619	225.510	204.420	153.182	96.735	56.679	35.010	31.080	76.737
74.991	225.509	204.421	153.187	96.721	56.651	34.984	31.127	80.326
78.518	225.508	204.421	153.192	96.707	56.625	34.960	31.171	84.079
82.206	225.508	204.421	153.198	96.693	56.602	34.938	31.211	88.003
86.261	225.505	204.419	153.205	96.678	56.579	34.917	31.249	92.318
90.301	225.504	204.417	153.212	96.664	56.560	34.901	31.283	96.617
94.486	225.503	204.416	153.216	96.655	56.537	34.893	31.313	101.073
98.818	225.502	204.414	153.220	96.647	56.517	34.886	31.340	105.681
103.524	225.501	204.411	153.223	96.638	56.497	34.878	31.366	110.689
108.162	225.500	204.408	153.226	96.631	56.479	34.870	31.390	115.625
112.957	225.499	204.405	153.228	96.625	56.463	34.863	31.412	120.727
117.913	225.498	204.402	153.230	96.619	56.448	34.856	31.432	126.002
123.296	225.497	204.399	153.231	96.614	56.434	34.848	31.453	131.731
128.597	225.496	204.396	153.232	96.610	56.421	34.840	31.472	137.372
134.072	225.495	204.394	153.231	96.606	56.409	34.832	31.489	143.198
139.725	225.495	204.391	153.231	96.603	56.397	34.824	31.506	149.214
145.852	225.494	204.389	153.229	96.601	56.385	34.816	31.524	155.737
151.882	225.493	204.387	153.228	96.600	56.374	34.808	31.540	162.150
158.095	225.492	204.386	153.226	96.599	56.363	34.799	31.556	168.763
164.497	225.491	204.384	153.223	96.598	56.352	34.791	31.572	175.576
171.425	225.490	204.383	153.221	96.599	56.340	34.783	31.588	182.948
178.220	225.489	204.381	153.218	96.599	56.329	34.775	31.603	190.179
185.208	225.488	204.380	153.215	96.600	56.318	34.767	31.618	197.616
192.390	225.487	204.380	153.212	96.601	56.306	34.759	31.633	205.259
200.140	225.485	204.379	153.208	96.603	56.294	34.750	31.649	213.506

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
.658	274.338	254.999	207.894	155.628	115.006	91.339	83.773	1.222
.984	263.724	242.476	193.024	141.709	104.146	83.048	76.410	1.569
1.366	252.051	228.977	177.232	127.012	92.565	74.074	68.404	1.975
1.778	254.413	226.858	168.722	116.258	82.877	66.242	61.382	2.413
2.165	271.189	237.479	168.150	110.450	76.369	60.461	56.042	2.825
2.519	287.626	253.033	173.060	107.927	72.090	56.294	52.095	3.202
2.850	299.451	264.473	180.753	107.555	69.220	53.147	49.032	3.554
3.163	311.075	274.721	188.680	108.448	67.314	50.703	46.572	3.888
3.466	319.048	284.815	195.394	110.082	66.087	48.764	44.549	4.210
3.765	323.151	291.952	201.657	112.234	65.329	47.190	42.843	4.528
4.068	324.551	295.727	208.394	114.815	64.900	45.901	41.381	4.851
4.380	324.552	296.883	214.988	117.638	64.724	44.846	40.123	5.182
4.686	324.419	296.372	220.052	120.305	64.739	44.025	39.092	5.509
5.021	323.971	295.399	223.605	123.003	64.891	43.324	38.173	5.865
5.370	323.256	294.382	225.470	125.803	65.153	42.760	37.403	6.237
5.736	322.971	293.180	225.870	128.921	65.520	42.314	36.765	6.625
6.117	323.080	292.321	225.236	132.286	65.988	41.974	36.247	7.031
6.514	323.403	292.109	224.176	135.597	66.533	41.728	35.842	7.453
6.928	323.781	292.383	222.964	138.528	67.120	41.556	35.545	7.894
7.360	324.026	292.949	221.670	140.893	67.732	41.441	35.348	8.354
7.811	324.178	293.543	220.567	142.684	68.392	41.370	35.238	8.834
8.282	324.348	293.979	219.884	143.950	69.154	41.331	35.206	9.336
8.775	324.461	294.283	219.590	144.716	70.076	41.323	35.243	9.860
9.265	324.489	294.507	219.567	145.037	71.130	41.347	35.336	10.381
9.803	324.504	294.623	219.708	145.063	72.407	41.406	35.485	10.953
10.366	324.505	294.603	219.913	144.866	73.810	41.495	35.682	11.552
10.955	324.490	294.502	220.109	144.462	75.269	41.611	35.922	12.180
11.572	324.472	294.349	220.277	143.890	76.707	41.752	36.195	12.837
12.219	324.446	294.176	220.417	143.271	78.065	41.920	36.495	13.525
12.896	324.435	294.021	220.509	142.714	79.313	42.123	36.810	14.245
13.606	324.455	293.893	220.520	142.238	80.444	42.373	37.135	15.000
14.349	324.481	293.803	220.456	141.831	81.454	42.684	37.465	15.791
15.127	324.489	293.762	220.343	141.484	82.327	43.060	37.797	16.620
15.943	324.473	293.764	220.204	141.190	83.041	43.497	38.133	17.488
16.756	324.441	293.784	220.067	140.951	83.565	43.963	38.461	18.353
17.650	324.400	293.811	219.934	140.736	83.956	44.492	38.812	19.305
18.587	324.359	293.835	219.818	140.553	84.189	45.047	39.170	20.302
19.569	324.323	293.850	219.719	140.403	84.268	45.611	39.534	21.347
20.598	324.294	293.858	219.641	140.279	84.204	46.170	39.897	22.442
21.677	324.279	293.861	219.588	140.166	84.037	46.713	40.250	23.590
22.807	324.279	293.859	219.555	140.051	83.817	47.233	40.585	24.792
23.991	324.291	293.857	219.539	139.936	83.578	47.729	40.897	26.053
25.232	324.308	293.860	219.536	139.823	83.336	48.198	41.179	27.373
26.532	324.321	293.869	219.545	139.714	83.097	48.633	41.428	28.756
27.894	324.325	293.884	219.565	139.607	82.867	49.029	41.645	30.206

MACH NO = 30.00 CONE ANGLE = 20.00 ANGLE OF ATTACK = 10.00

L/RN	P / P FREE-STREAM AT PLANE ANGLES 0.	30.	60.	90.	120.	150.	180.	S/RN
29.252	324.320	293.900	219.594	139.509	82.661	49.361	41.828	31.651
30.745	324.304	293.916	219.634	139.411	82.464	49.658	42.005	33.239
32.308	324.283	293.927	219.680	139.317	82.287	49.898	42.171	34.903
33.947	324.259	293.933	219.728	139.229	82.129	50.081	42.333	36.647
35.665	324.236	293.932	219.777	139.146	81.989	50.211	42.492	38.475
37.465	324.214	293.924	219.823	139.070	81.866	50.289	42.646	40.390
39.351	324.196	293.913	219.865	139.004	81.758	50.324	42.794	42.398
41.327	324.183	293.897	219.902	138.946	81.661	50.324	42.932	44.501
43.398	324.177	293.880	219.933	138.897	81.570	50.300	43.059	46.705
45.568	324.177	293.862	219.955	138.855	81.484	50.260	43.176	49.014
47.841	324.182	293.846	219.971	138.820	81.403	50.208	43.285	51.433
50.107	324.190	293.834	219.980	138.792	81.332	50.152	43.383	53.844
52.597	324.199	293.825	219.985	138.766	81.263	50.087	43.482	56.494
55.206	324.208	293.820	219.987	138.743	81.198	50.020	43.576	59.270
57.939	324.214	293.819	219.987	138.722	81.137	49.955	43.669	62.179
60.802	324.219	293.820	219.988	138.702	81.080	49.893	43.758	65.226
63.803	324.221	293.823	219.989	138.683	81.026	49.835	43.846	68.419
66.946	324.222	293.826	219.991	138.663	80.976	49.783	43.930	71.764
70.240	324.220	293.830	219.995	138.643	80.929	49.736	44.009	75.270
73.689	324.218	293.832	220.000	138.624	80.884	49.697	44.081	78.940
77.257	324.216	293.835	220.004	138.611	80.833	49.681	44.142	82.737
80.935	324.214	293.836	220.007	138.599	80.786	49.666	44.197	86.651
84.543	324.213	293.836	220.011	138.587	80.744	49.653	44.245	90.490
88.444	324.211	293.834	220.015	138.575	80.704	49.640	44.293	94.642
92.465	324.210	293.832	220.019	138.563	80.666	49.628	44.337	98.921
96.609	324.208	293.830	220.022	138.552	80.632	49.616	44.379	103.331
100.878	324.206	293.827	220.026	138.542	80.600	49.604	44.418	107.874
105.276	324.205	293.824	220.028	138.534	80.570	49.593	44.455	112.554
109.804	324.203	293.821	220.030	138.526	80.543	49.581	44.489	117.373
114.465	324.202	293.818	220.030	138.519	80.517	49.570	44.520	122.333
119.261	324.200	293.815	220.029	138.514	80.492	49.558	44.550	127.436
124.192	324.199	293.812	220.028	138.510	80.469	49.546	44.578	132.684
129.261	324.198	293.809	220.025	138.507	80.446	49.534	44.605	138.078
134.216	324.197	293.807	220.022	138.505	80.424	49.523	44.630	143.351
139.554	324.196	293.805	220.018	138.504	80.402	49.511	44.657	149.031
145.028	324.195	293.803	220.014	138.505	80.380	49.498	44.683	154.858
150.640	324.194	293.801	220.009	138.506	80.358	49.486	44.709	160.829
156.386	324.193	293.800	220.003	138.507	80.336	49.474	44.736	166.944
162.265	324.191	293.799	219.997	138.510	80.314	49.461	44.762	173.200
168.274	324.190	293.798	219.991	138.513	80.291	49.449	44.788	179.595
174.409	324.189	293.798	219.984	138.517	80.269	49.436	44.814	186.124
180.667	324.187	293.798	219.976	138.521	80.245	49.424	44.840	192.783
187.041	324.186	293.798	219.969	138.526	80.221	49.411	44.866	199.567
193.526	324.184	293.798	219.961	138.532	80.197	49.399	44.892	206.468
200.115	324.183	293.799	219.952	138.538	80.171	49.387	44.918	213.479

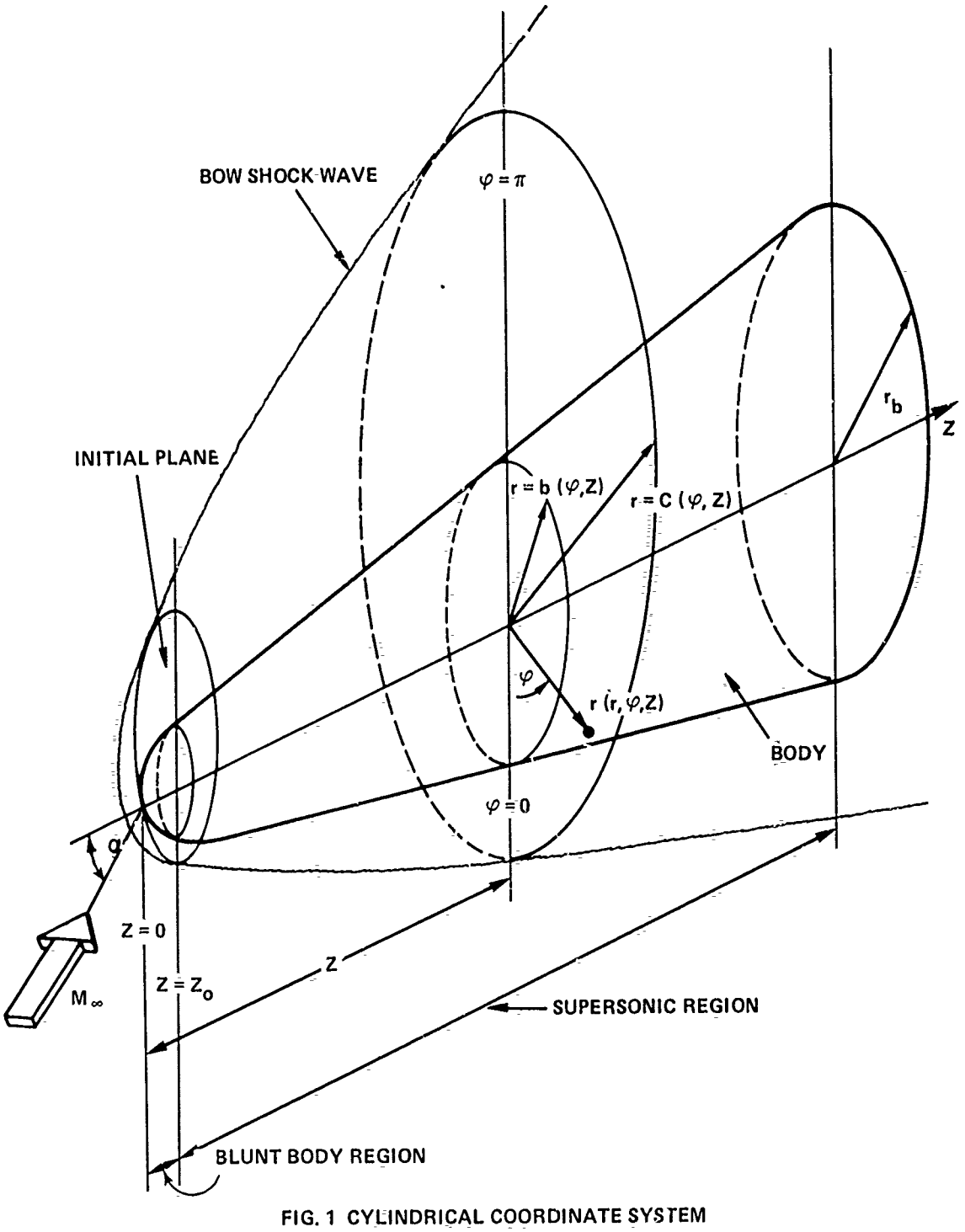


FIG. 1 CYLINDRICAL COORDINATE SYSTEM

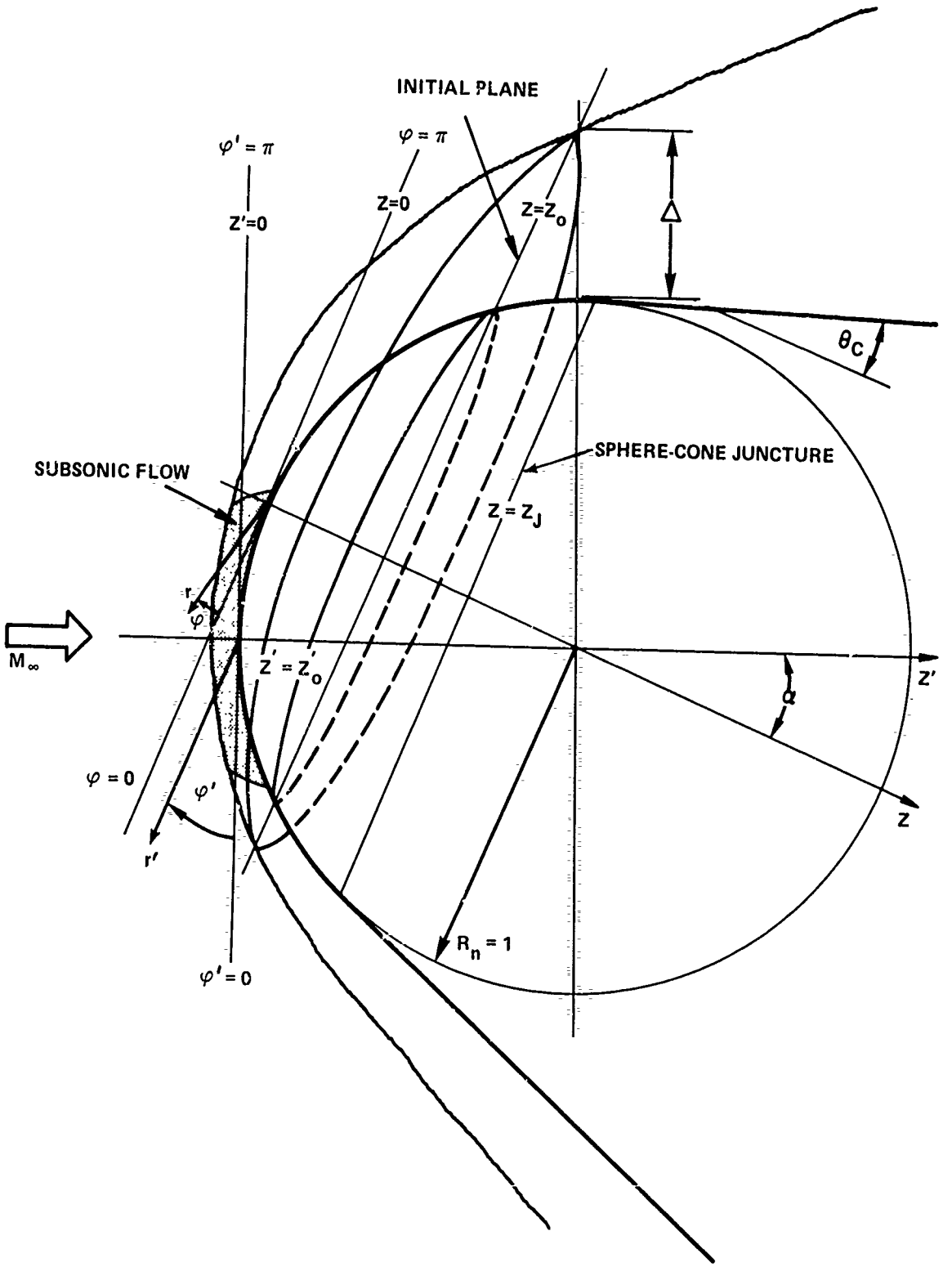
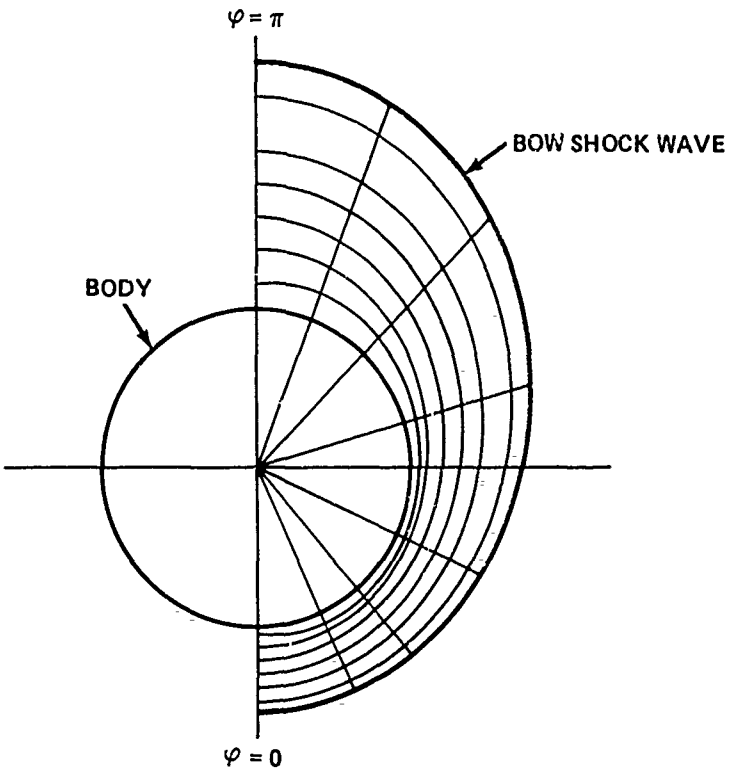


FIG. 2 UNIT HEMISPHERE IN A WIND ORIENTED CYLINDRICAL COORDINATE SYSTEM.



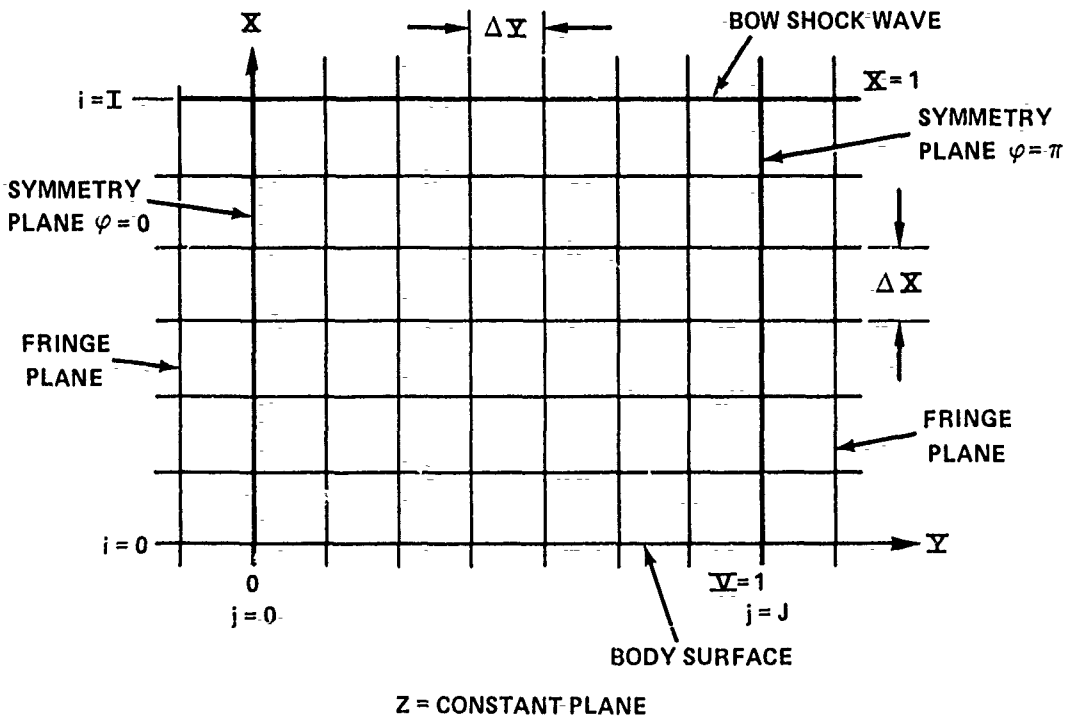


FIG. 3 DISCRETIZED COMPUTATIONAL PLANE.

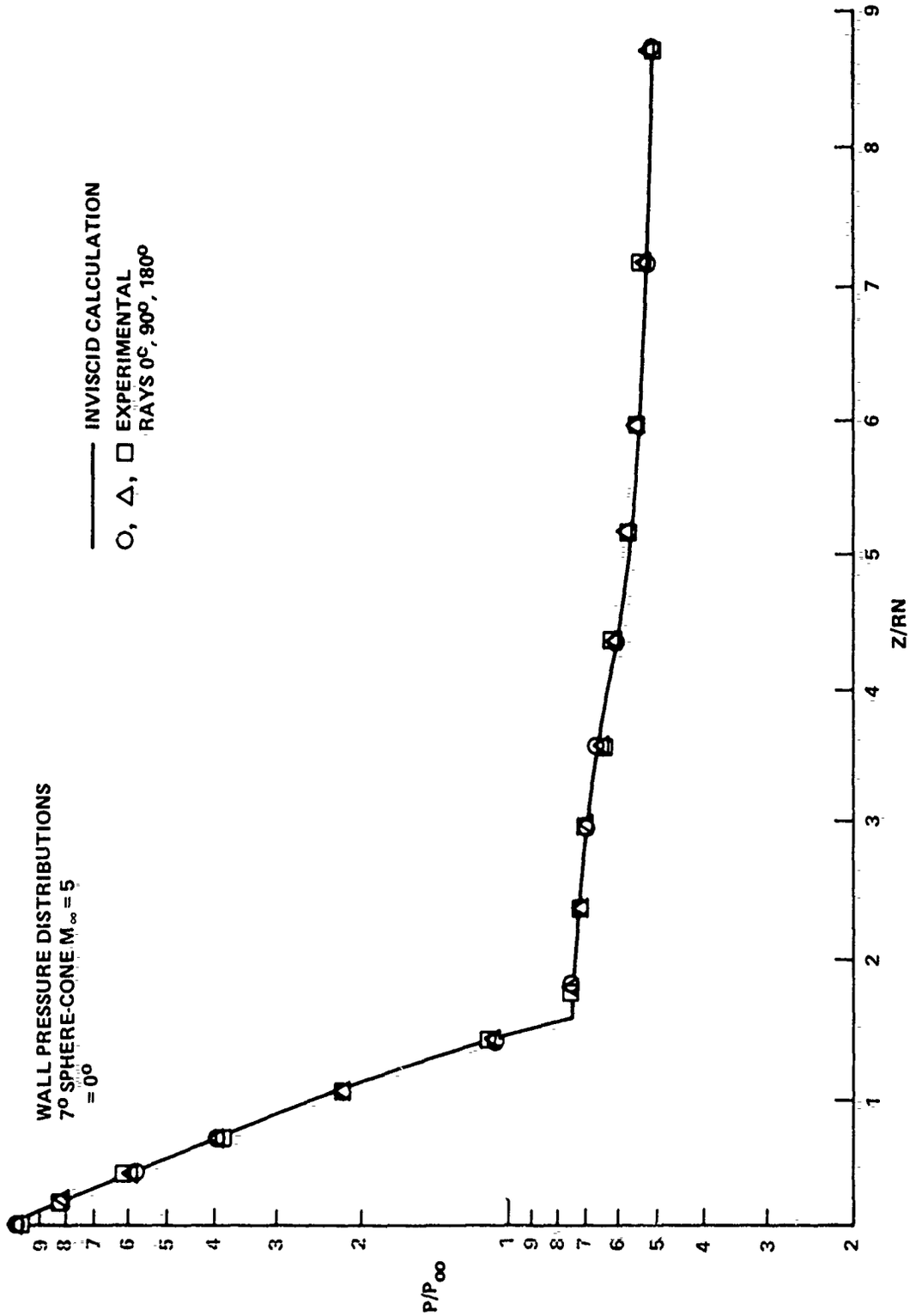


FIG. 4 INVISCID AND EXPERIMENTAL RESULTS

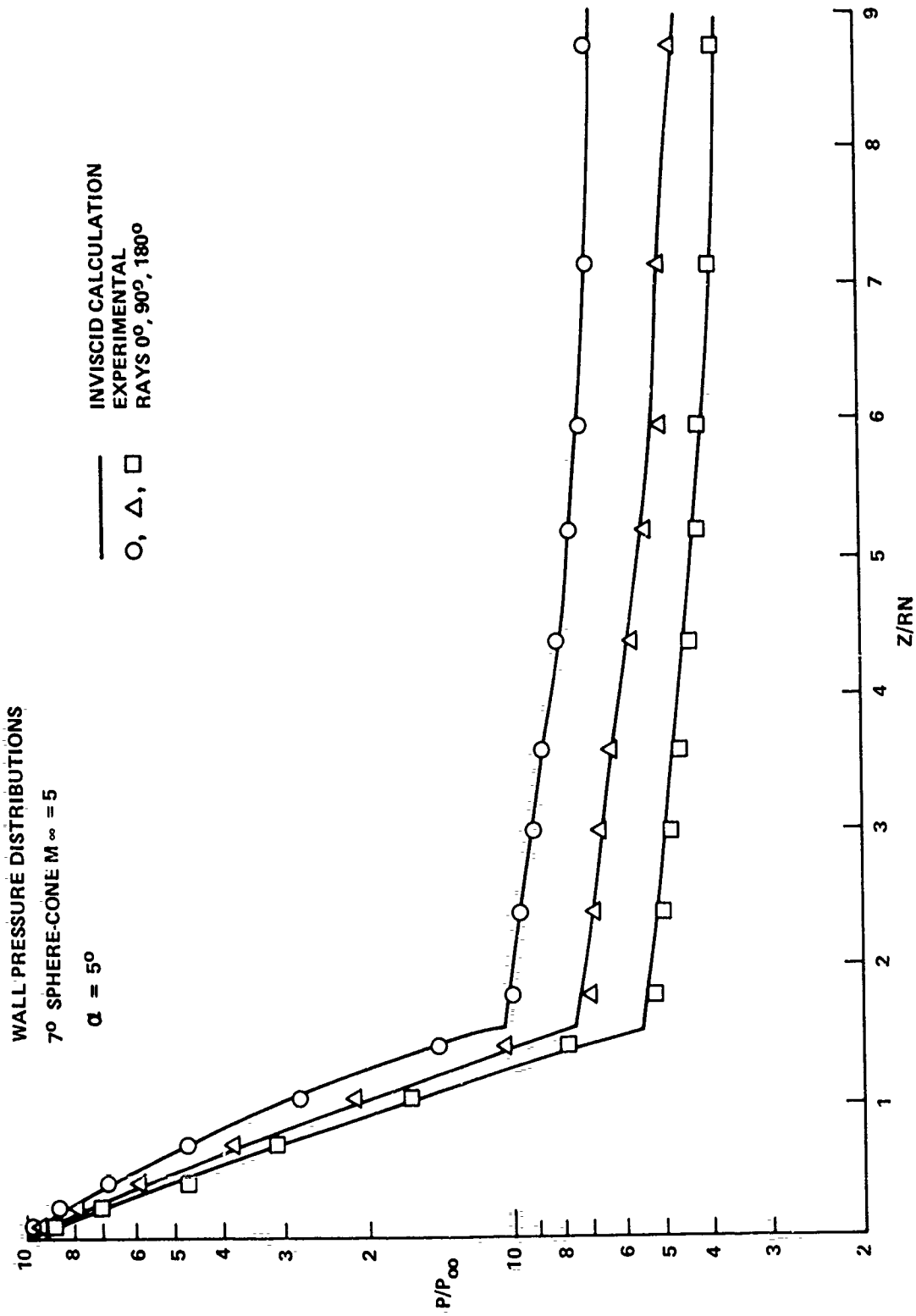


FIG. 5 INVISCID AND EXPERIMENTAL RESULTS

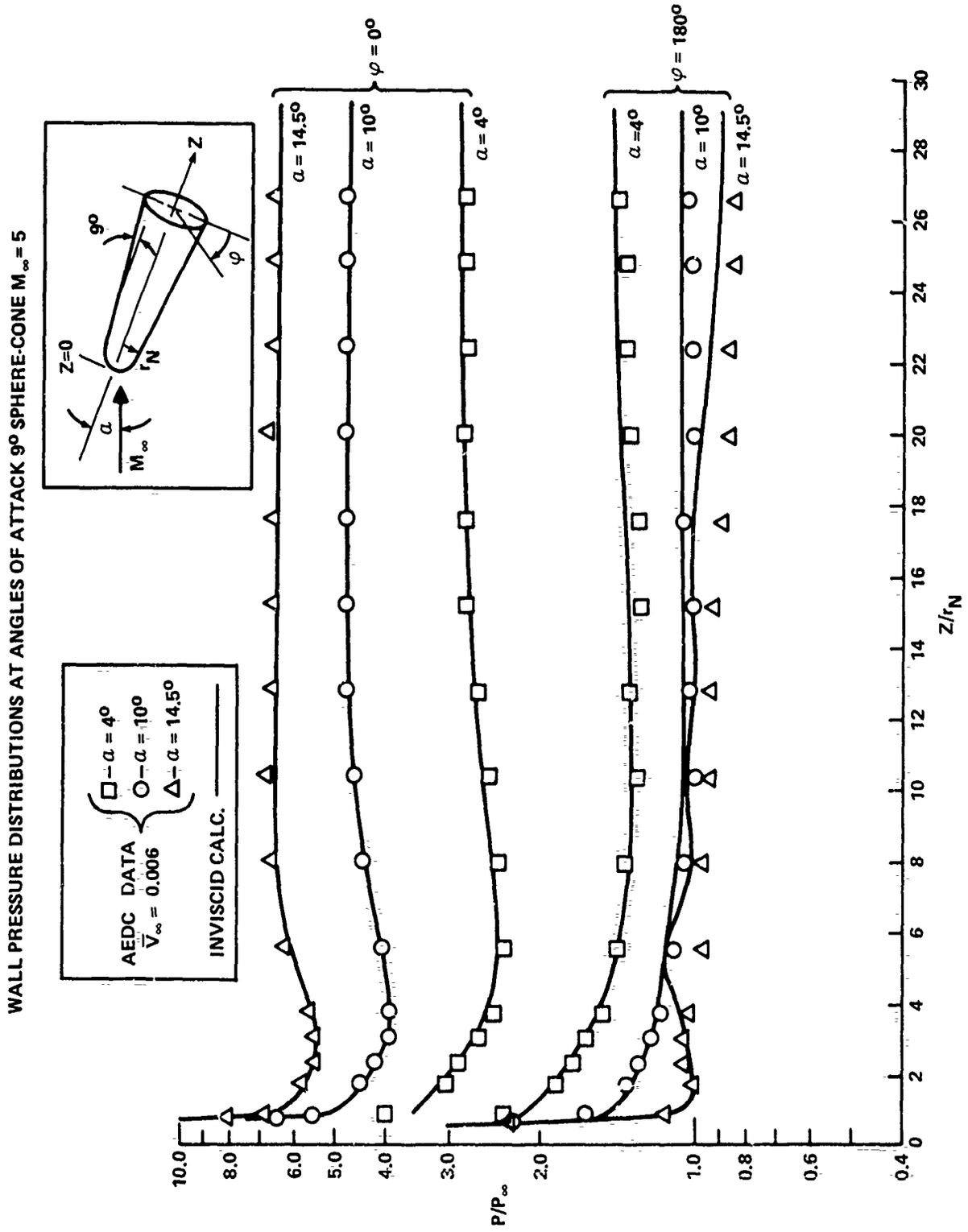


FIG. 6 INVISCID AND EXPERIMENTAL RESULTS

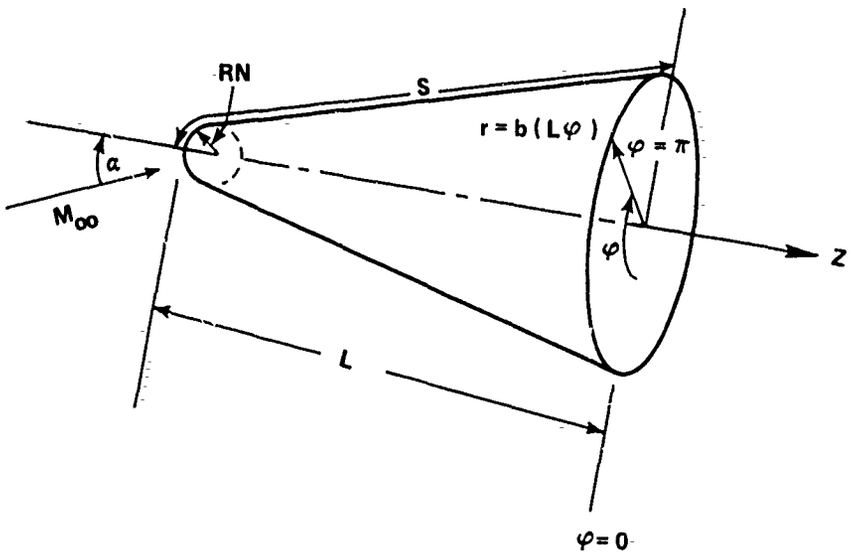


FIG. 7 DEFINITION OF TERMS USED IN PRESSURE DISTRIBUTION TABLE

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