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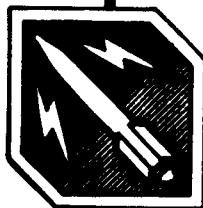
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AOMC CLIMATOLOGICAL RINGBOOK
PART XIX
EMPIRICAL FREQUENCY DISTRIBUTIONS
OF PRESSURE, TEMPERATURE AND AIR DENSITY
AT LEVELS OF CONSTANT ALTITUDE

VIENNA, AUSTRIA

2 November 1961



U. S. ARMY ORDNANCE MISSILE COMMAND
REDSTONE ARSENAL, ALABAMA

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Report No. RR-TR-61-23

ABMA CLIMATOLOGICAL RINGBOOK
PART XIX EMPIRICAL FREQUENCY
DISTRIBUTIONS OF PRESSURE,
TEMPERATURE AND AIR DENSITY
AT LEVELS OF CONSTANT ALTITUDE

VIENNA, AUSTRIA

- By
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ARMY ORDNANCE MISSILE COMMAND

ABSTRACT

This publication presents climatological parameters of barometric pressure, air temperature and air density in relation to the ARDC Model Atmosphere 1959 at 1 km altitude intervals for the location Vienna, Austria. The frequency distributions have been established for the twelve monthly and the annual reference periods with values of cumulative percentage frequency corresponding to the mean and plus and minus one, two and three sigma levels of normal distribution. The statistical information is based on the observational period March 1954 - February 1959.

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- | | |
|-------------|--------------|
| 1. January | 7. July |
| 2. February | 8. August |
| 3. March | 9. September |
| 4. April | 10. October |
| 5. May | 11. November |
| 6. June | 12. December |
| 13. Annual | |

Table V - Frequency Distributions of Air Temperature (Absolute Deviations from ARDC Model Atmosphere 1959) at Primary Altitude Levels

- | | |
|-------------|--------------|
| 1. January | 7. July |
| 2. February | 8. August |
| 3. March | 9. September |
| 4. April | 10. October |
| 5. May | 11. November |
| 6. June | 12. December |
| 13. Annual | |

Table VI - Frequency Distributions of Air Density (Percent Deviations from ARDC Model Atmosphere 1959) at Primary Altitude Levels

- | | |
|-------------|--------------|
| 1. January | 7. July |
| 2. February | 8. August |
| 3. March | 9. September |
| 4. April | 10. October |
| 5. May | 11. November |
| 6. June | 12. December |
| 13. Annual | |

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Figure I. Percent Deviations of Pressure from ARDC Model Atmosphere 1959 at Primary Probability Levels as Functions of Altitude

- | | |
|-------------|--------------|
| 1. January | 7. July |
| 2. February | 8. August |
| 3. March | 9. September |
| 4. April | 10. October |
| 5. May | 11. November |
| 6. June | 12. December |
| 13. Annual | |

Figure II. Absolute Deviations of Temperature from ARDC Model Atmosphere 1959 at Primary Probability Levels as Functions of Altitude

- | | |
|-------------|--------------|
| 1. January | 7. July |
| 2. February | 8. August |
| 3. March | 9. September |
| 4. April | 10. October |
| 5. May | 11. November |
| 6. June | 12. December |
| 13. Annual | |

Figure III. Percent Deviations of Air Density from ARDC Model Atmosphere 1959 at Primary Probability Levels as Functions of Altitude

- | | |
|-------------|--------------|
| 1. January | 7. July |
| 2. February | 8. August |
| 3. March | 9. September |
| 4. April | 10. October |
| 5. May | 11. November |
| 6. June | 12. December |
| 13. Annual | |

SYMBOLS, TERMS AND ABBREVIATIONS

- C - Compressibility factor of moist air
- $f_w(p, T)$ - Function of pressure and temperature to account for interactive forces between dry air and water vapor
- p - Barometric pressure
- T - Absolute thermodynamic temperature
- $\bar{x}$ - Mean of normal distribution
- ρ - Air density
- σ - Standard deviation of normal distribution

Parameters of station: A set of data comprising the geographic coordinates (latitude, longitude, elevation), sea level acceleration of gravity and the equivalent radius of earth of a particular station.

Primary altitude levels: A set of altitude levels including the surface and the levels at integer kilometer increments above MSL.

Primary probability levels: The following values of cumulative percentage frequency: 0.135%, 2.28%, 15.9%, 50%, 84.1%, 99.72%, 99.865%.

Sigma levels: In a frequency distribution, values corresponding to the mean plus or minus integer multiples of the standard deviation. Referred to as plus one sigma level, minus one sigma level etc.

Significant level: A level at which the lapse rate of temperature or relative humidity changes such that a departure from linearity results which is at least 2°C in the troposphere and at least 5°C in the stratosphere or at least 30% in the case of relative humidity.

Thermodynamic atmospheric quantities: An overall term for barometric pressure, air temperature and air density.

ABMA - Army Ballistic Missile Agency

ARDC - Air Research and Development Command

CPF - Cumulative percentage frequency

MSFC - Marshall Space Flight Center

MSL - Mean sea level

I. INTRODUCTION

The investigation and evaluation of large quantities of atmospheric data is necessitated by the establishment of reliable missile design criteria and atmospheric inputs for firing tables. This report represents the nineteenth part of the ABMA Climatological Ringbook, presenting statistical information on barometric pressure, air temperature and air density for the location Vienna, Austria.

The atmospheric quantities are given in relation to the ARDC Model Atmosphere 1959 (Ref. 7) at the primary altitude levels, since this standard atmosphere has been employed with all standard trajectory calculations of free flight rockets and guided missiles. Percent deviations from the standard were chosen for pressure and density while temperature is given in the form of absolute departures from the model. The frequency distributions were established for the twelve calendar months and the year as reference periods. The data are presented both in tabular and in graphic form.

Table I shows the parameters of station. Pressure, temperature and air density as represented by the ARDC Model Atmosphere 1959 (Ref. 7) are given in Table II at 1 km altitude intervals. The quantities are presented both in physical and in technical units. All units are given in the metric system.

The relevant calculations were carried out on an IBM 7090 computer in the Computation Division of the George C. Marshall Space Flight Center, National Aeronautics and Space Administration, Huntsville, Alabama. Several programmers worked on the problem. The function of a technical liaison representative between Geophysics Branch, Research Laboratory, ABMA, and Computation Division, MSFC, was performed by Mr. A. P. Alsobrook. The publication of this report was facilitated by the efforts of Messrs. A. P. Alsobrook and R. F. Tankersley, and Miss B. Lay who took care of the typing and assembling of the master copies.

II. PROCESSING OF DATA

A. Raw Data

The values of barometric pressure, air temperature and relative humidity at the significant levels of each individual radiosonde ascent were used as input for a computer program to determine pressure, temperature and air density at constant altitude levels. The original observations were obtained by means of the AN/AMT-4 radiosonde during the period from 1 March 1954 to 28 February 1959. The raw data were procured from the Free University of Berlin (Institut für Meteorologie und Geophysik der Freien Universität Berlin), Berlin - Dahlem, Germany. Significant level data had not been key-punched previously.

B. Treatment of Individual Ascents

The raw data were processed on an electronic computer according to detailed instructions (explained in Ref. 2). Pressure, temperature and air density were determined at 1 km altitude intervals for each individual ascent. Furthermore, percent deviations of pressure and air density and absolute deviations of temperature from the ARDC Model Atmosphere 1959 (Ref. 7) were determined at each primary altitude level. Positive deviations mean larger actual quantities than the corresponding ARDC quantities.

Pressure (mb and kp/m^2), temperature ($^{\circ}\text{C}$ and $^{\circ}\text{K}$) and air density (kg/m^3 and $\text{kp sec}^2/\text{m}^4$) together with the departures from ARDC have been tabulated at the primary altitude levels for every individual ascent. These data can be furnished by Geophysics Branch, Research Laboratory, ABMA, upon request.

C. Statistical Processing

After the determination of the thermodynamic atmospheric quantities at the primary altitude levels for every individual ascent, the statistical processing was performed. Since atmospheric quantities seldom follow a normal (Gaussian) distribution, the different quantities have been determined at the primary probability levels. These levels of cumulative percentage frequency correspond to the mean and the plus and minus one, two and three sigma levels of a normal distribution. In analytical writing, in a Gaussian distribution the abscissae correspond to CPF values as follows:

Abscissa	CPF (%)
$\bar{x} - 3\sigma$	0.135
$\bar{x} - 2\sigma$	2.28
$\bar{x} - \sigma$	15.9

$\bar{x}$	50
$\bar{x} + \sigma$	84.1
$\bar{x} + 2\sigma$	97.72
$\bar{x} + 3\sigma$	99.865

($\bar{x}$ = mean of the normal distribution)

(σ = standard deviation of the normal distribution)

No regrouping of the data was made. The width of the classes was set by the round-off procedures prescribed for the individual values. The statistical parameters were determined to the same accuracy as the individual values. When the CPF of the minimum class exceeded 0.135%, the next smaller class was assigned a CPF of 0.01%. Thus a "minus three sigma value" was obtained smaller than the minimum.

D. Form of Presentation

The statistical parameters of pressure, temperature and air density are presented in tabular and graphical form. The frequency distributions of pressure, temperature and air density in relation to the ARDC Model Atmosphere 1959 (Ref. 7) are presented in Table IV (1 ... 13), Table V (1 ... 13), and Table VI (1 ... 13), respectively. The number of observations is shown for each altitude level. In addition, the same frequency distributions are presented graphically to yield quick and perspicuous information on the climatic conditions in the free atmosphere at the location considered (Fig. I (1 ... 13), Fig. II (1 ... 13), Fig. III (1 ... 13)). The two extreme profiles (CPF = 0.135% and 99.865%) have been drawn from point to point. Some smoothing has been done with the other profiles.

III. RELIABILITY AND REPRESENTATIVENESS OF DATA

A. Errors of Observation

An intricate discussion of errors to be discriminated in upper air climatology has been given in an earlier report (Ref. 1).

The usual shortcomings of the AN/AMT-4 radiosonde are inherent to the presented thermodynamic upper air data. The individual values are subject to instrumental errors whose magnitudes vary from ascent to ascent. Statements about errors of the individual and statistical data of pressure, temperature and air density at constant altitude levels caused by observational errors adherent to the originally measured quantities cannot be made at this time. The presented median values can be considered more or less free of random observational errors while the values at the edges of the distributions may be distorted by random errors of observation.

At the higher levels a remarkable portion of the observed pressure and density variation may be spurious due to the large random error of the pressure capsule measurements in those altitude regions. Only night-time ascents have been used for establishing this climatological information. Thus, radiational errors have presumably been eliminated to a large extent.

B. Procedural Errors

Procedural errors which can be inferred by simplifying assumptions, round-offs and too broad class intervals do not adhere to the presented thermodynamic upper air data. The class intervals have been chosen small enough such that every distribution consists of no less than 15 classes. The computational accuracy was chosen such that the placement of an individual value of a derived quantity into a certain interval is not influenced by the calculations. The numerical integration of the hydrostatic equation provided for an objective evaluation of the radiosonde ascents, preventing systematic errors of the derived quantities which might be caused by the "personal equation" of the evaluator in the case of a graphic evaluation of the ascents.

Before integrating the hydrostatic equation, the US standard pressure levels were interspersed between the significant levels, in order to keep the thicknesses of layers relatively small.

In the case of "motor-boating" relative humidity, statistical values had already been inserted by the contractor. If the relative humidity was missing, the simultaneous temperature reading not being less than -40°C , a mean value was inserted for the particular pressure level, month and station.

Interactive forces between like and unlike molecules were taken into account by introducing virial and interaction coefficients. In order to determine the correct mixing ratio, a function $f_w(p, T)$ was introduced (Ref. 3), and the compressibility factor C was utilized to compensate for deviations from perfect gas behaviour when air density was computed.

The saturation pressure of liquid water was calculated according to the Goff-Gratch formulation (Ref. 5) under consideration of the new thermodynamic temperature scale adopted by the Dixième Conférence Générale des Poids et Mesures in October 1954 (Ref. 4).

The computed geopotentials of the significant and standard levels were converted to (geometric) altitude according to Lambert's formulation (Ref. 8).

Because of the decrease of pressure and air density with altitude these quantities were computed to a greater accuracy at the higher altitude levels than at the lower altitude levels. The interpolated temperature was rounded off to 0.1°C.

C. Mistakes

In order to free the raw data from inherent obvious mistakes, a comprehensive program was implemented to check the data for meteorological consistency and to supplement missing data by interpolated values (Ref. 6). After this procedure, the data were key-punched, and the punching was verified by a different operator. The punched raw data were thus free of mistakes to a very large extent. Unfortunately, the computer program was apparently not completely checked out, since the minima given on the machine listed frequency distributions did not always agree with the minima selected during another phase of the data processing program. The thereby caused "erratic points" were eliminated by means of a semi-subjective procedure.

D. Statistical Representativeness and Confidence

Observations taken with a radiosonde system usually produce a series of profiles of different vertical extension. The presented data have been made serially complete up to the 100 mb level (ca. 16 km). Above that level such a supplementation was almost impossible. Thus, there is no decreasing number of observations up to 16 km height.

At the higher levels, the statistical significance and confidence are diminished because of smaller sample sizes. The data at those levels might even be biased as the ceiling of radiosonde ascents could be correlated with the synoptic situation. Another bias may have been introduced by the trend that has been recognized in the average ceiling of radiosonde ascents during the period of observation. Stratospheric levels were reached more often in recent years than in earlier years.

Since the presented climatological parameters are based on a comparatively short period of observations, they should be accepted with some reservations, especially at levels above 16 km.

Any statistical evaluation was omitted when less than 30 observations were available.

Table III shows the number of ascents for each calendar month of the observational period.

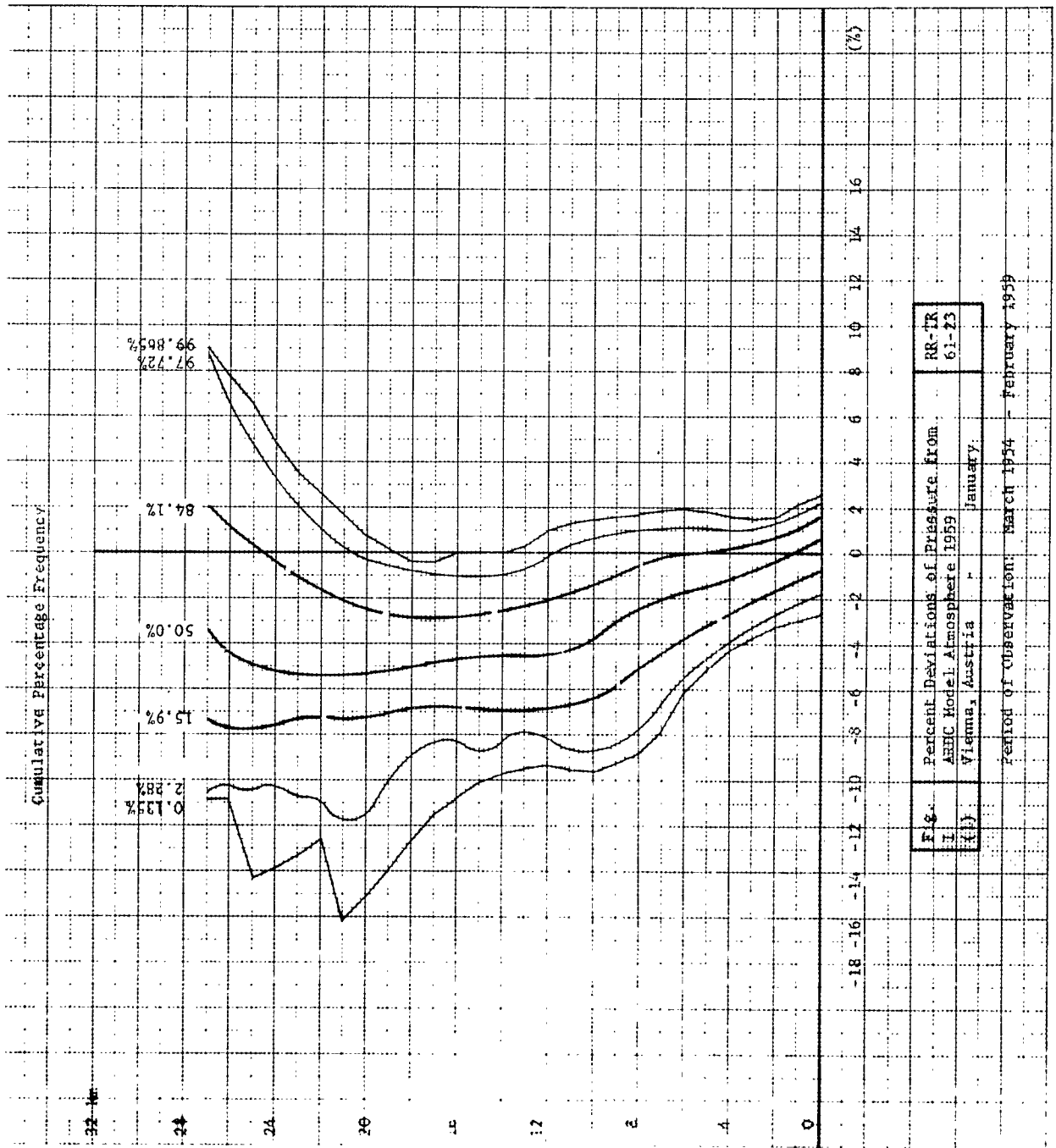
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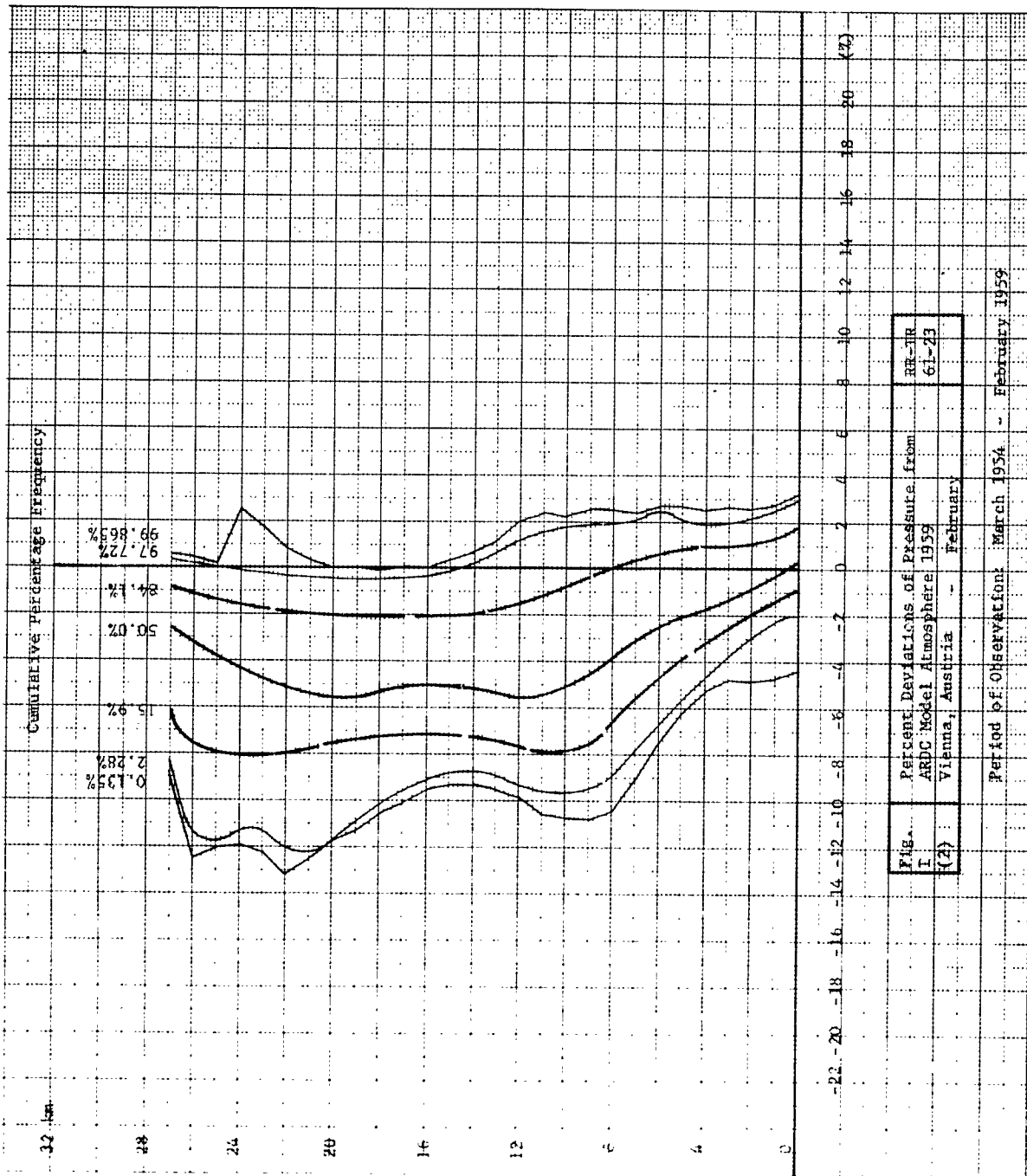
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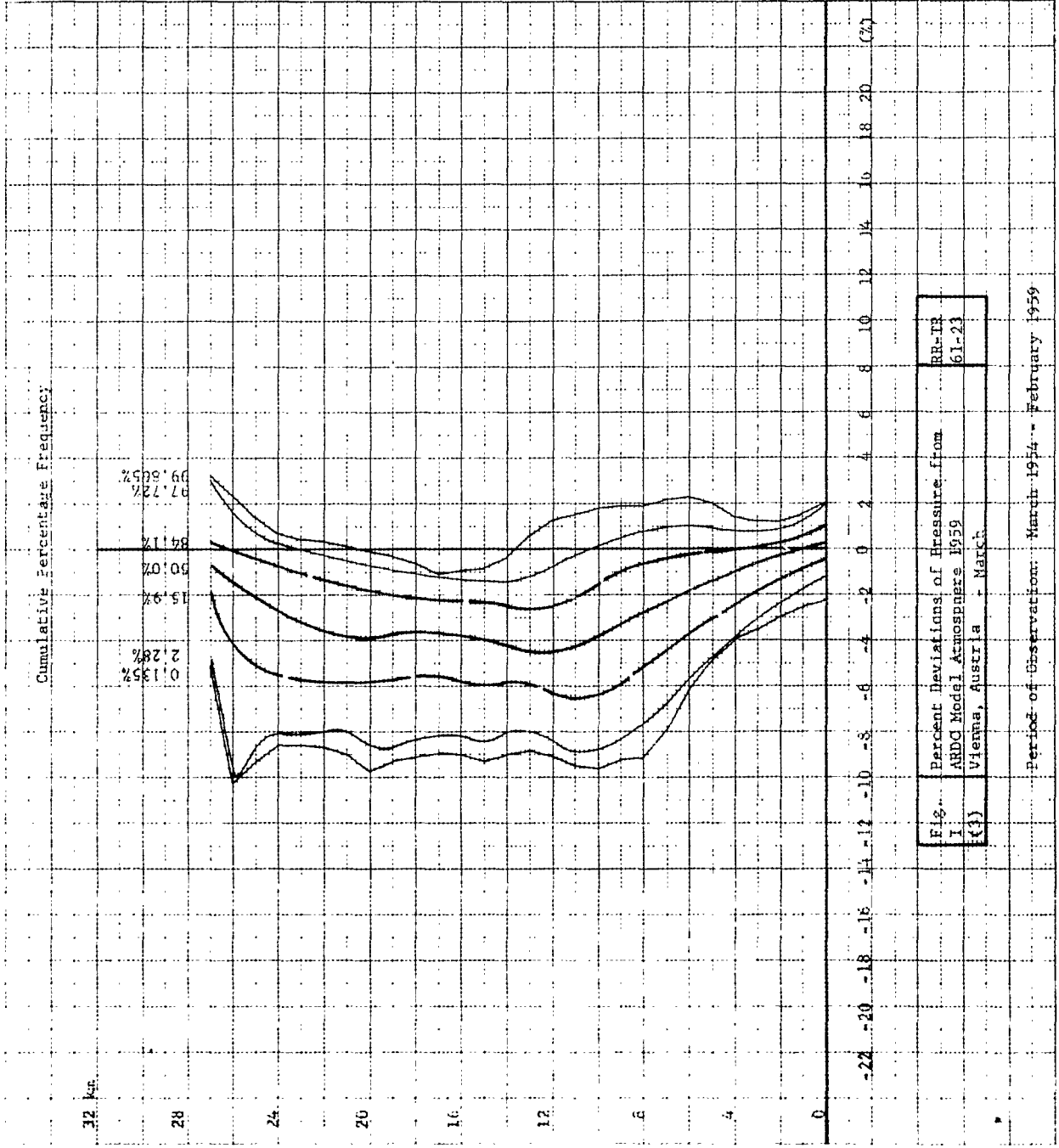
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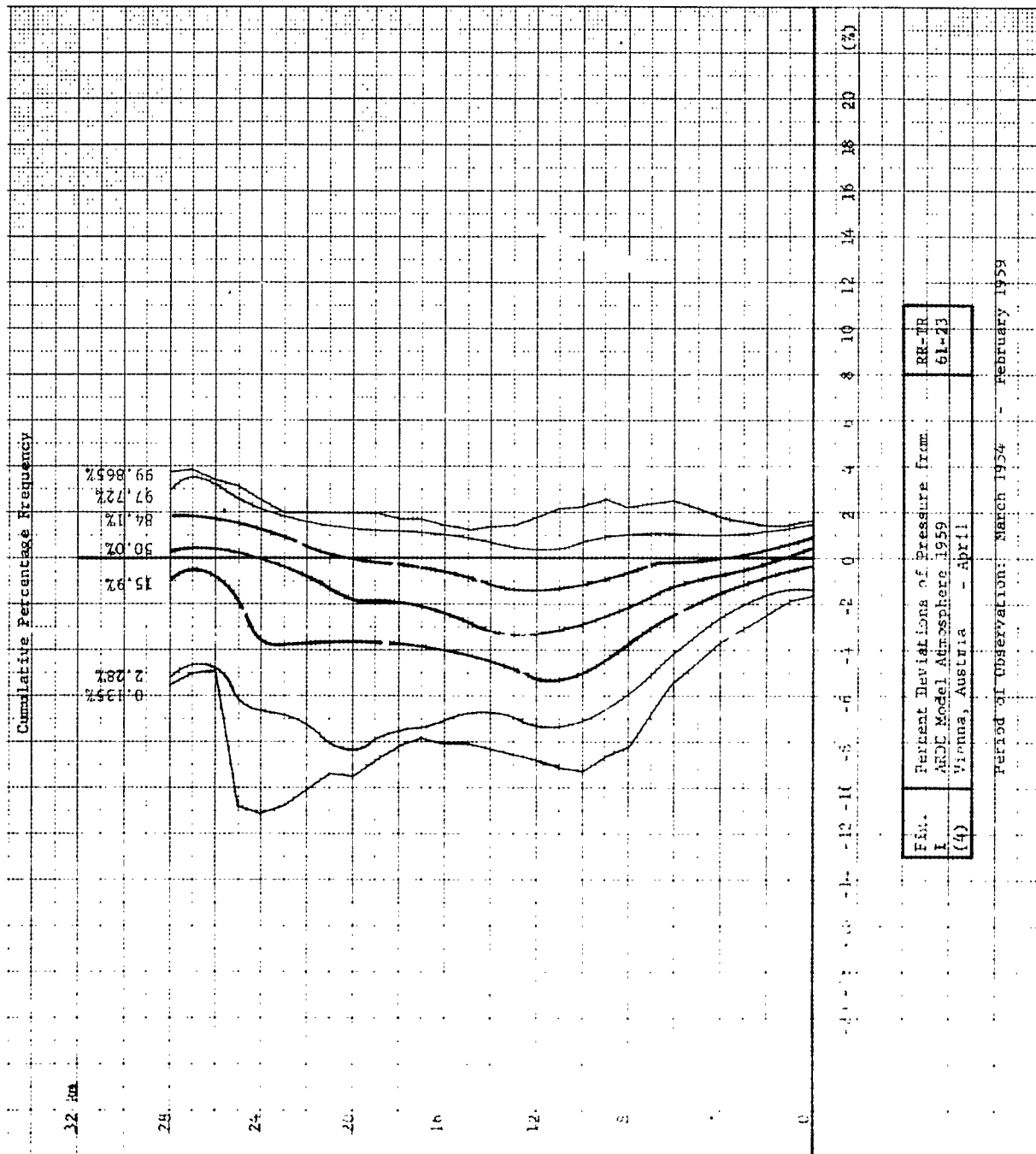
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- Part II - Ambient Density as a Function of Altitude for Ten Selected Stations - Report No. DA-TR-60-59, 1 September 1959
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- Part V - Empirical Frequency Distributions of Wind Components at Constant Altitude Levels - Wiesbaden, Germany - Report No. RR-TR-61-9, 12 October 1961
- Part VI - Empirical Frequency Distributions of Wind Components at Constant Altitude Levels - Thule, Greenland - Report No. RR-TR-61-10, 13 October 1961
- Part VII - Empirical Frequency Distributions of Pressure, Temperature and Air Density at Levels of Constant Altitude - Tripoli, Libya - Report No. RR-TR-61-11, 18 October 1961
- Part VIII - Empirical Frequency Distributions of Pressure, Temperature and Air Density at Levels of Constant Altitude - Wiesbaden, Germany - Report No. RR-TR-61-12, 19 October 1961
- Part IX - Empirical Frequency Distributions of Pressure, Temperature and Air Density at Levels of Constant Altitude - Patrick AFB/Cape Canaveral, Florida - Report No. RR-TR-61-13, 20 October 1961
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- Part XI - Empirical Frequency Distributions of Wind Components at Constant Altitude Levels - Berlin - Tempelhof, Germany - Report No. RR-TR-61-15, 24 October 1961
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- Part XVI - Empirical Frequency Distributions of Wind Components at Constant Altitude Levels - Alert, Ellesmere Islands, Canada - Report No. RR-TR-61-20, 30 October 1961
- Part XVII - Empirical Frequency Distributions of Wind Components at Constant Altitude Levels - Fairbanks, Alaska - Report No. RR-TR-61-21, 31 October 1961
- Part XVIII - Empirical Frequency Distributions of Pressure, Temperature and Air Density at Levels of Constant Altitude - Thule, Greenland - Report No. RR-TR-61-22, 1 November 1961









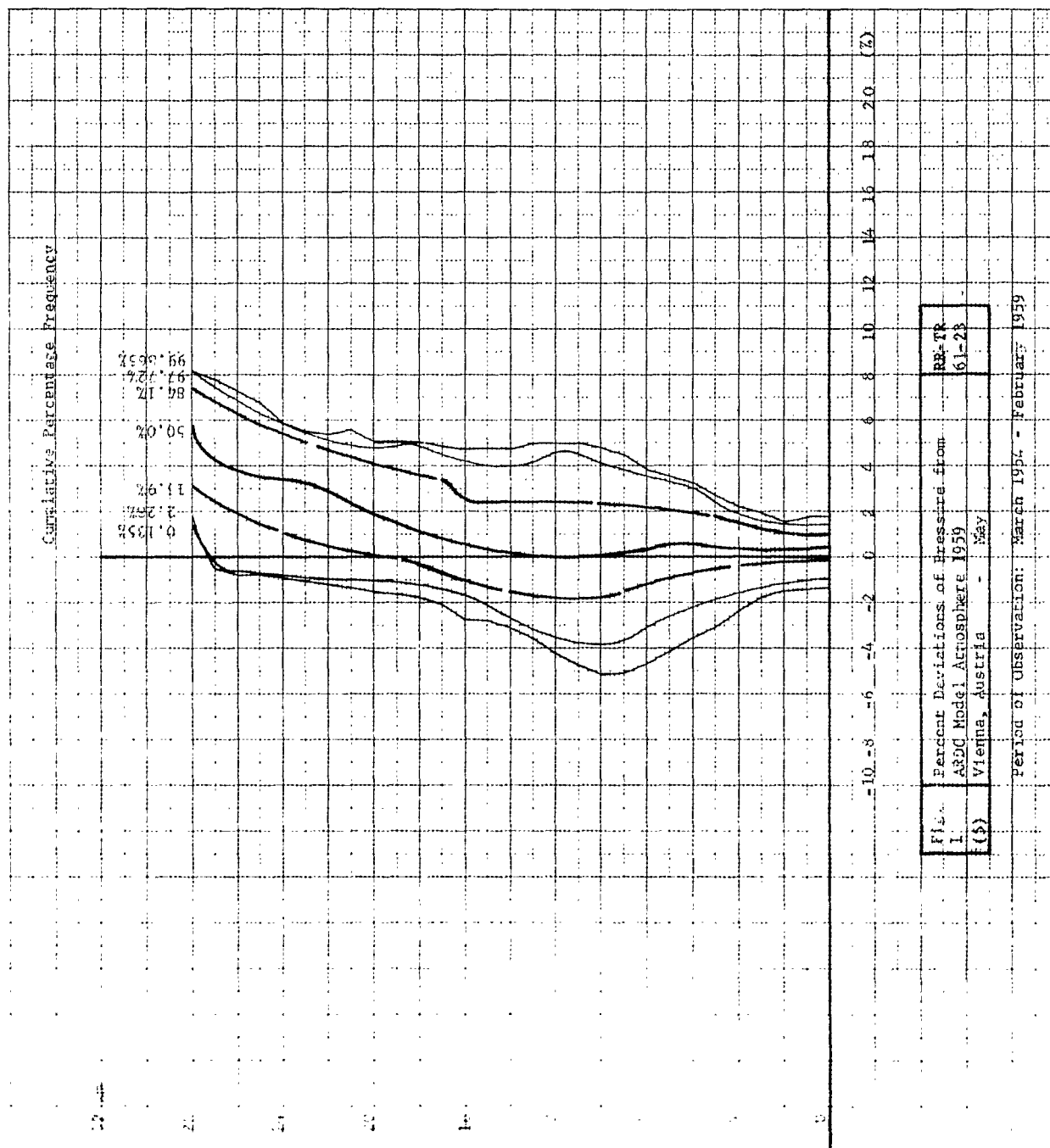
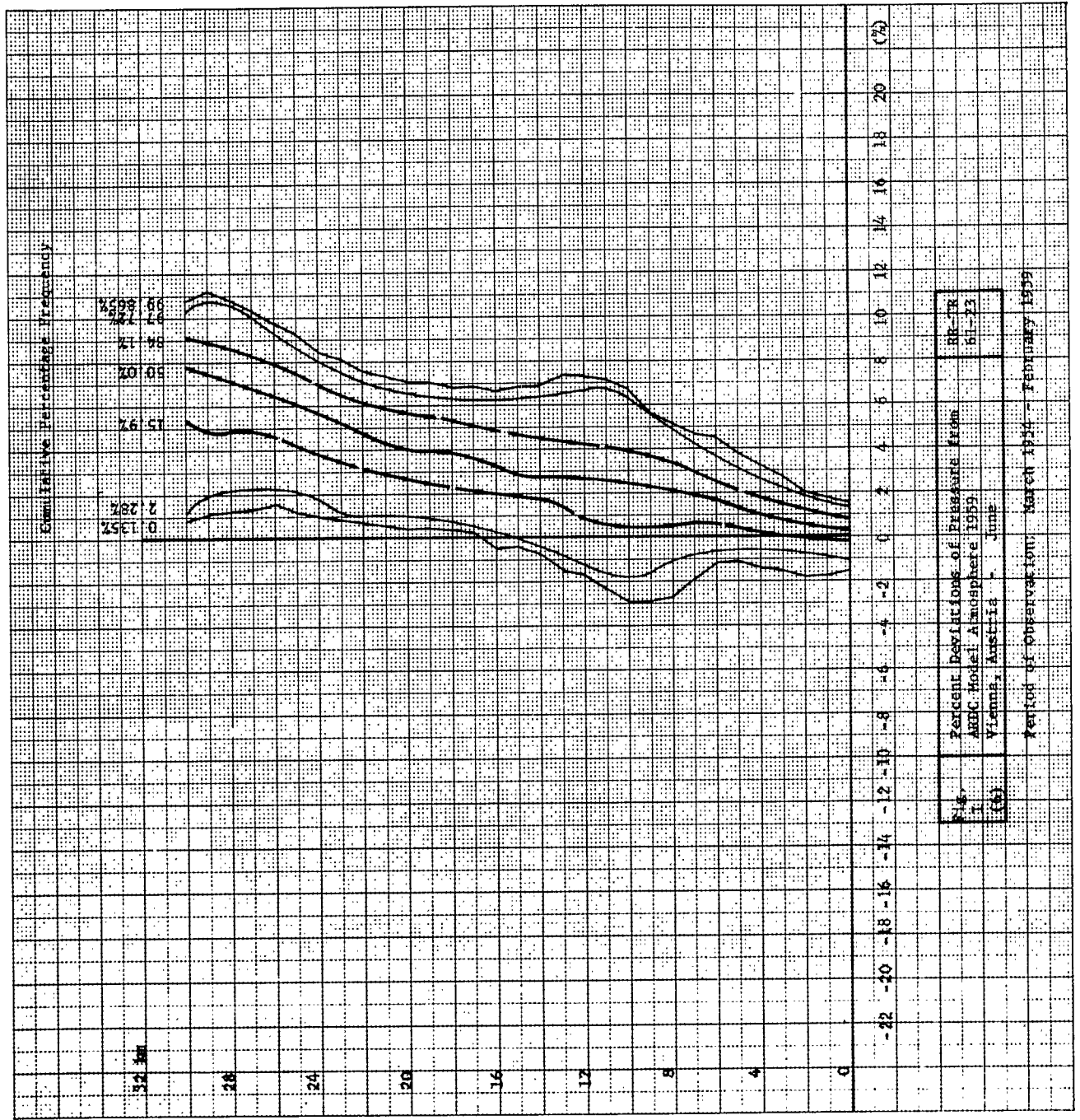
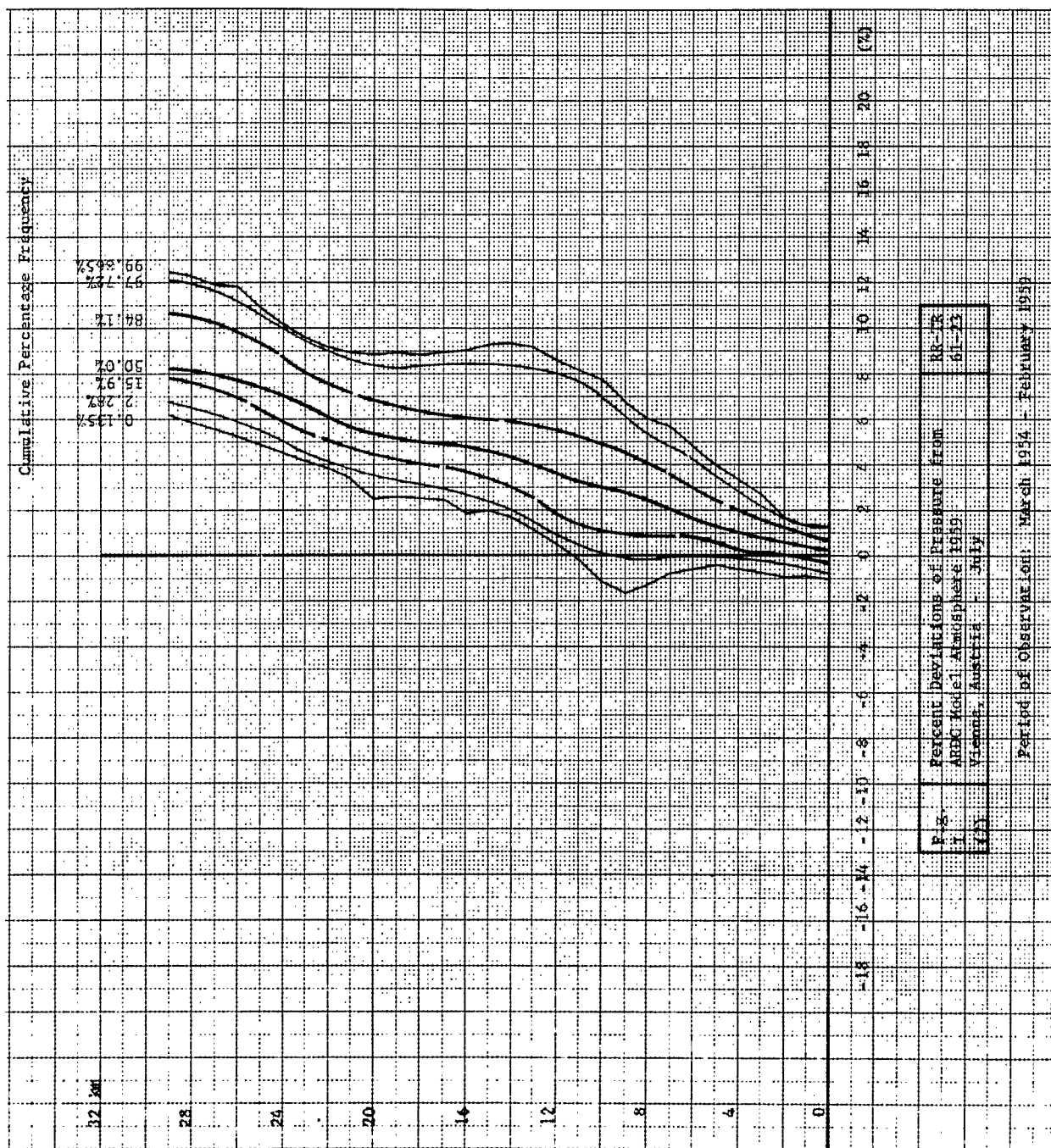


Fig. 1. Percent Deviations of Pressure from
 1. A300 Model Atmosphere 1959
 (5) Vienna, Austria - May

Period of Observation: March 1957 - February 1959





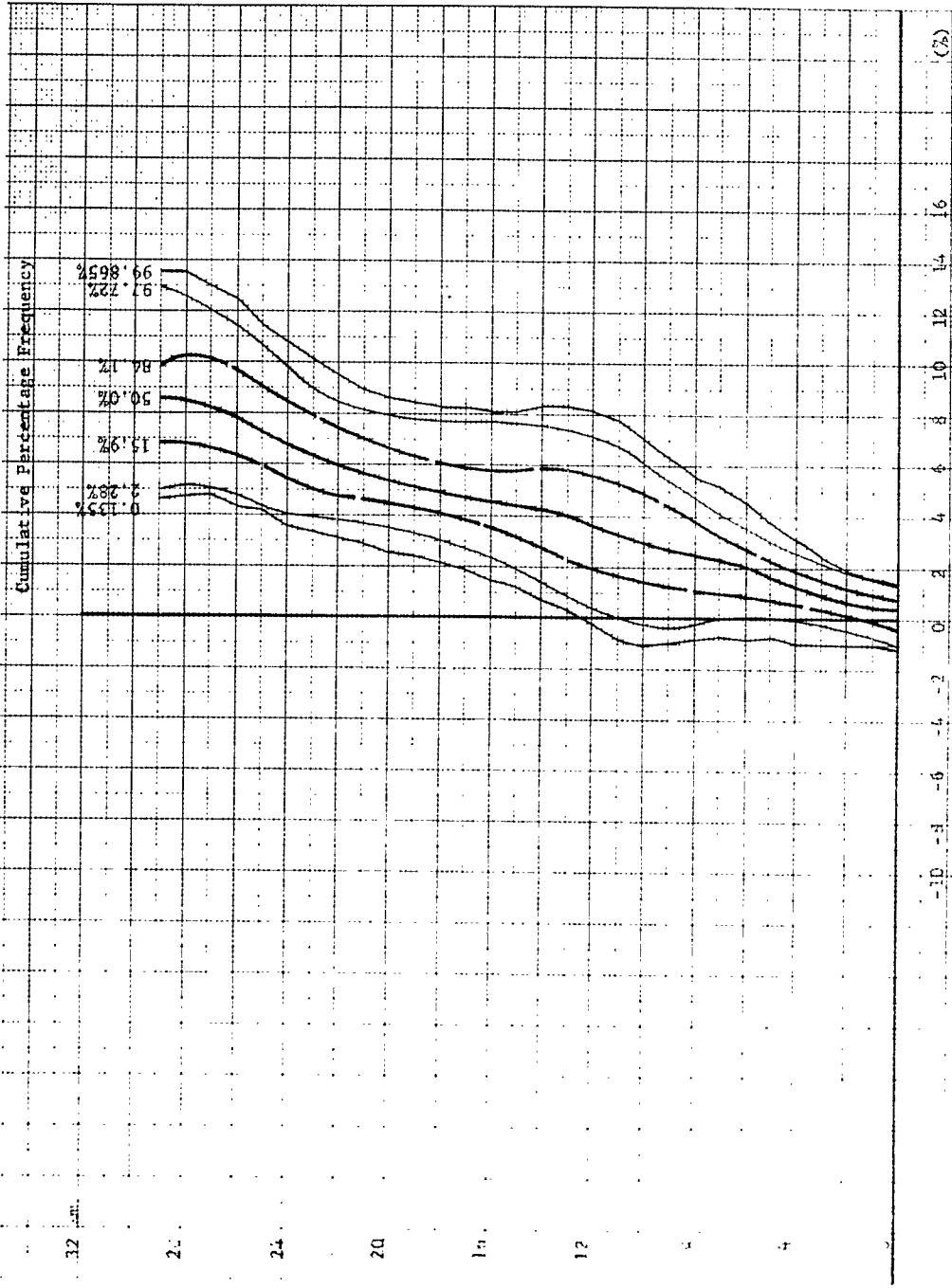


Fig.	Percent Deviations of Pressure from	RR-IR
1	ASDC Model Atmosphere 1959	61-23
(S)	Vienna, Austria - August	

Period of Observation: March 1954 - February 1959

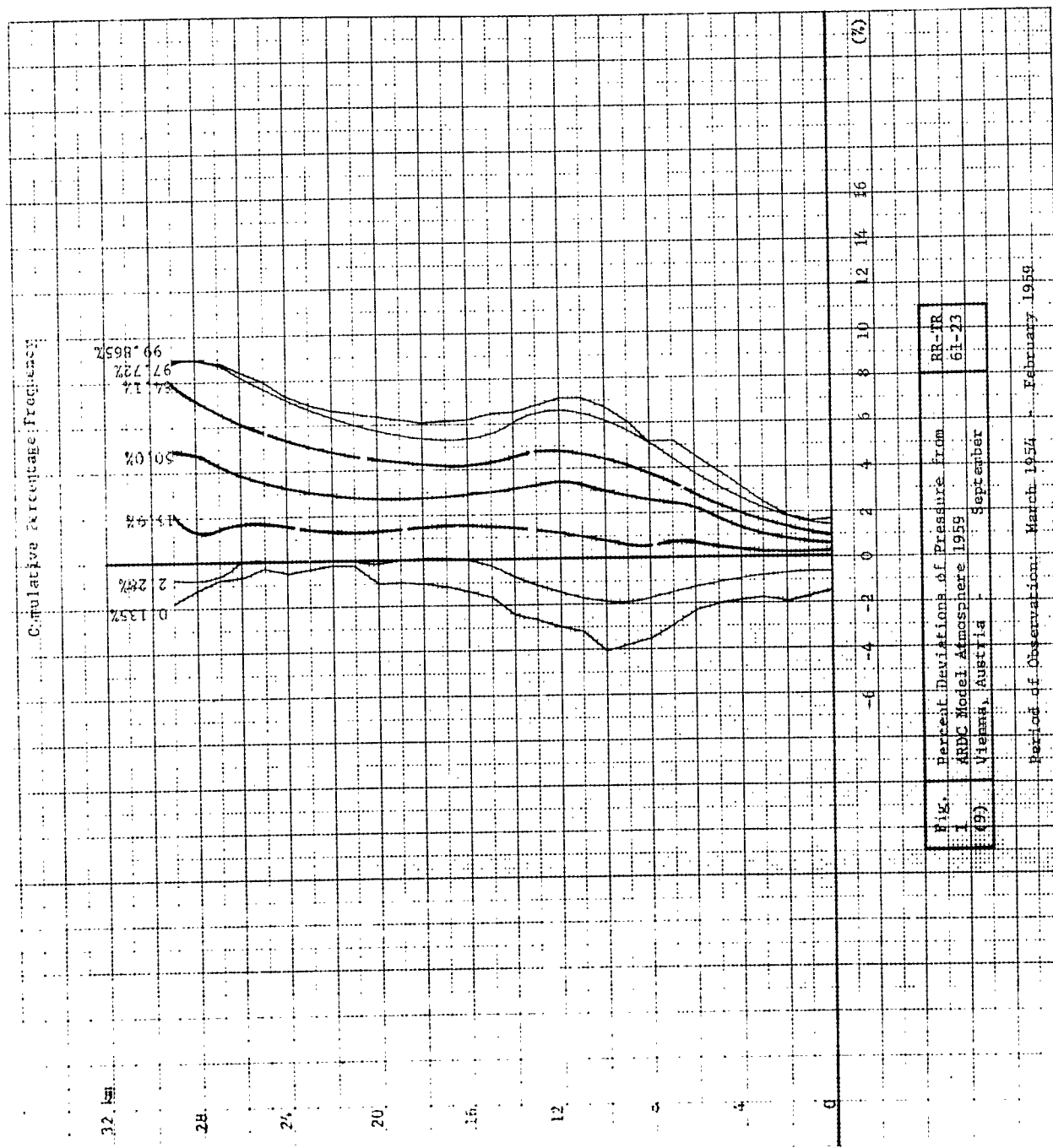


Fig. 1 Percent Deviations of Pressure From ARDC Model Atmosphere 1959

RR-TR	61-23
RR-TR	61-23

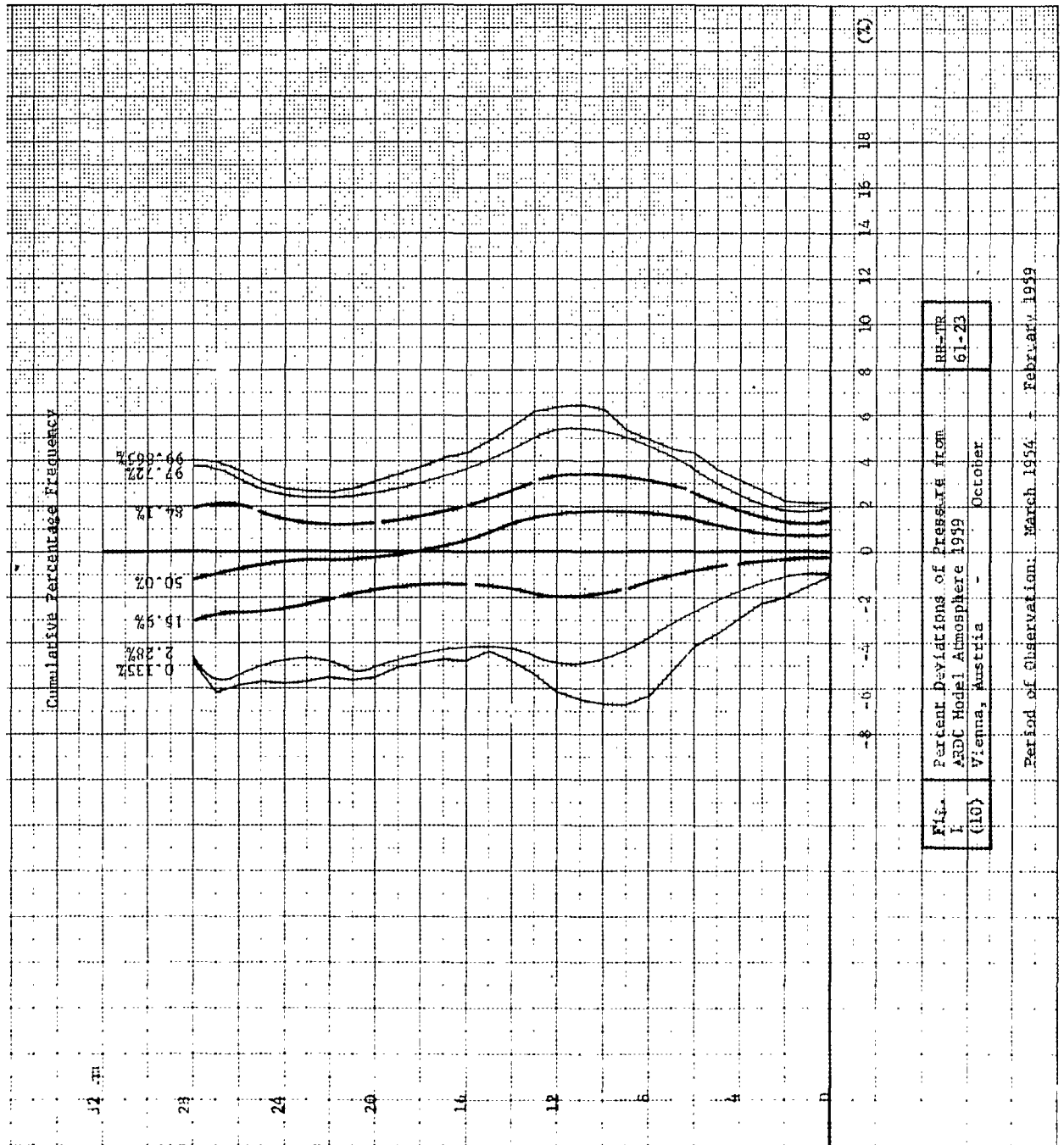
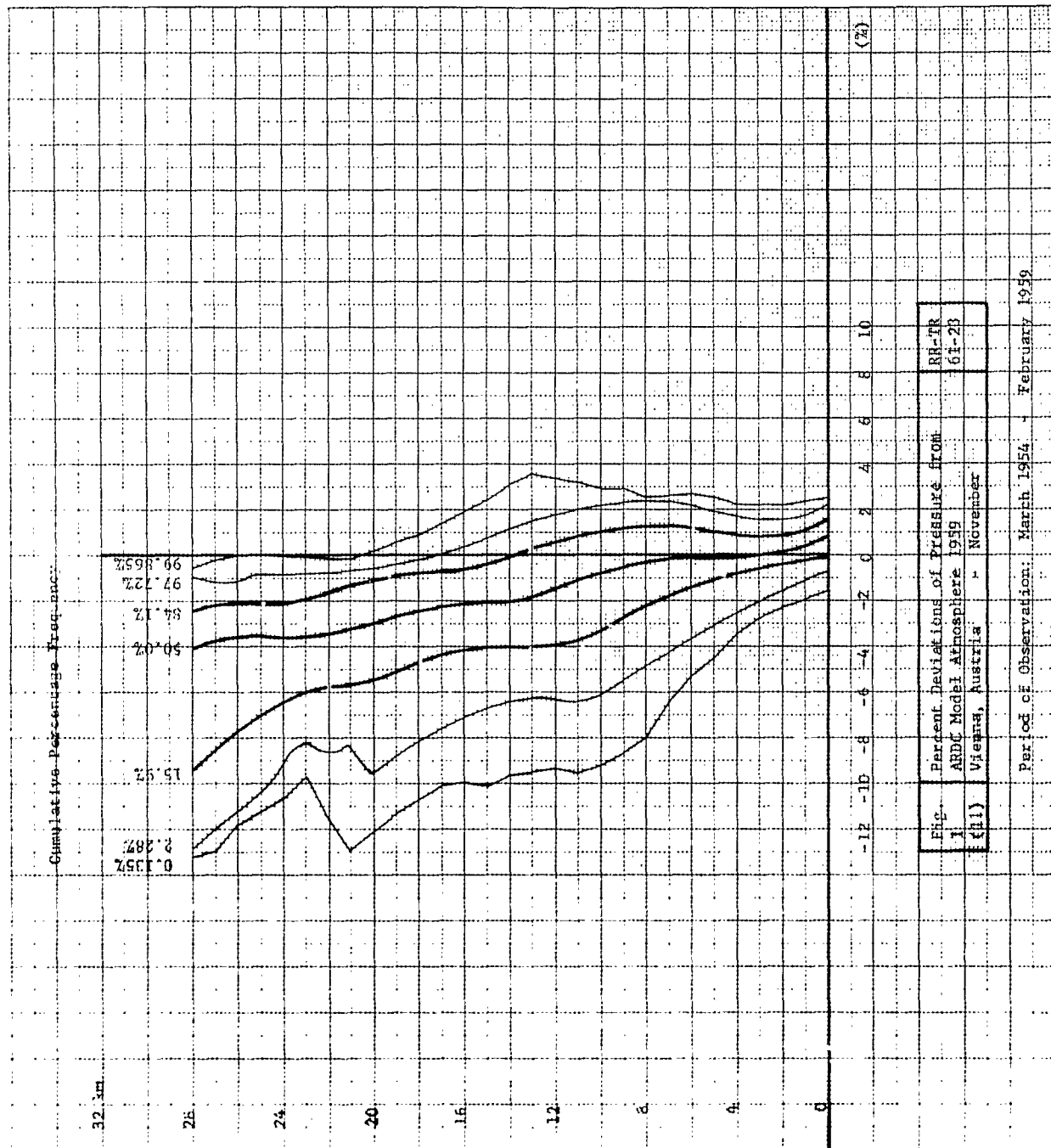


Fig. 1. Percent Deviations of Pressure from
 ADC Model Atmosphere 1959
 (10) Vienna, Austria

RR-TR
 61-23

Period of Observation: March 1954 - February 1959



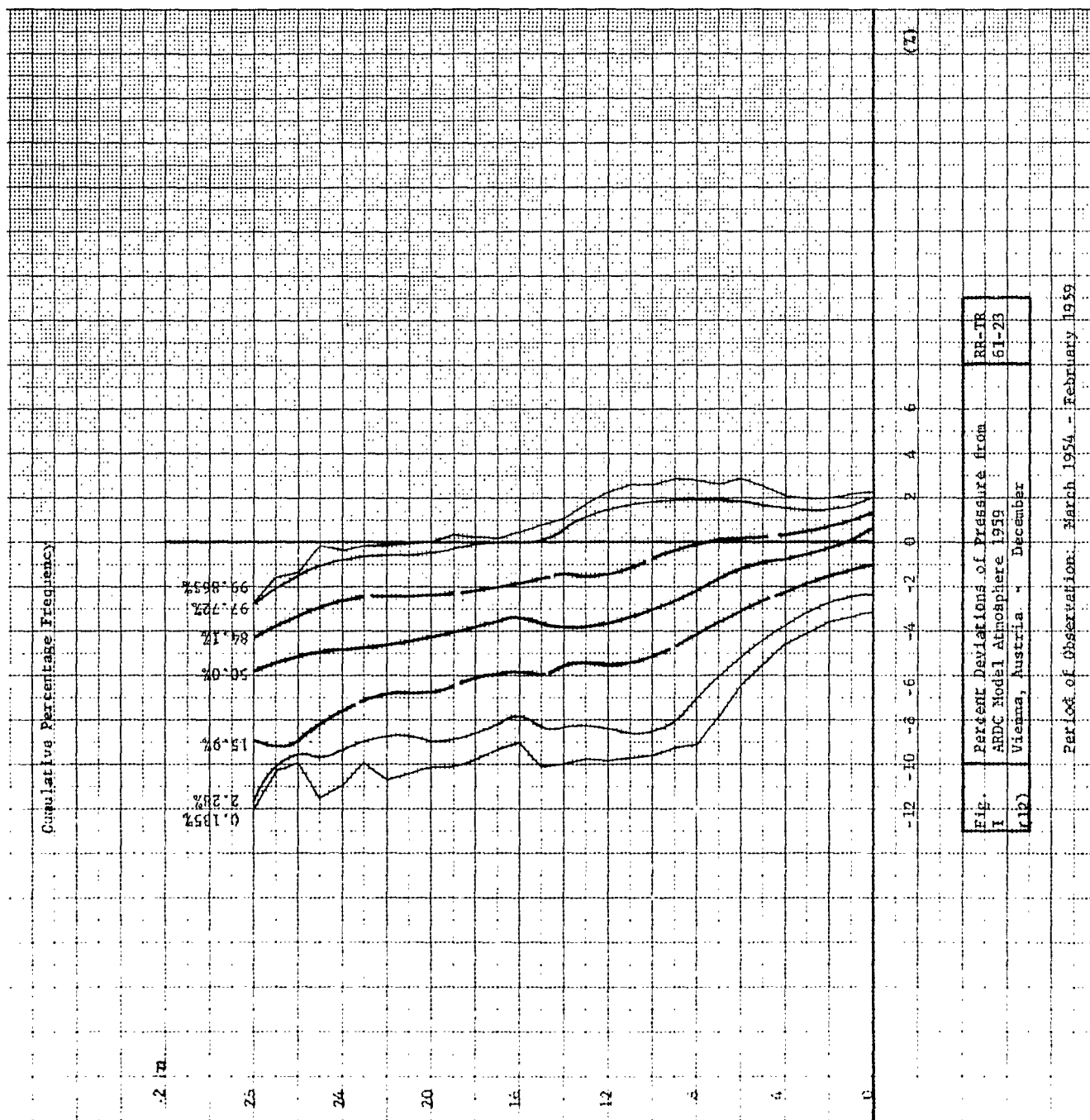
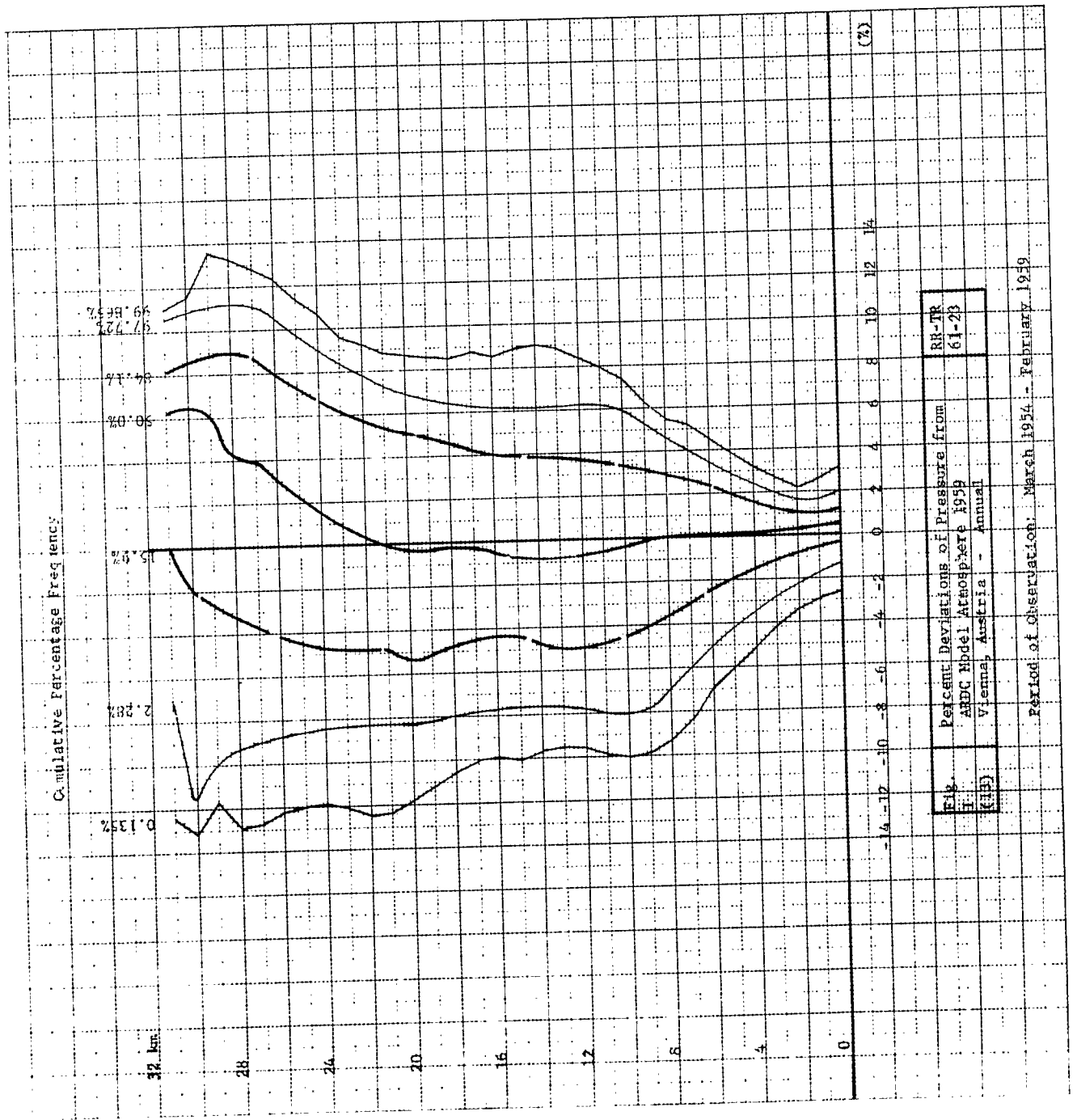
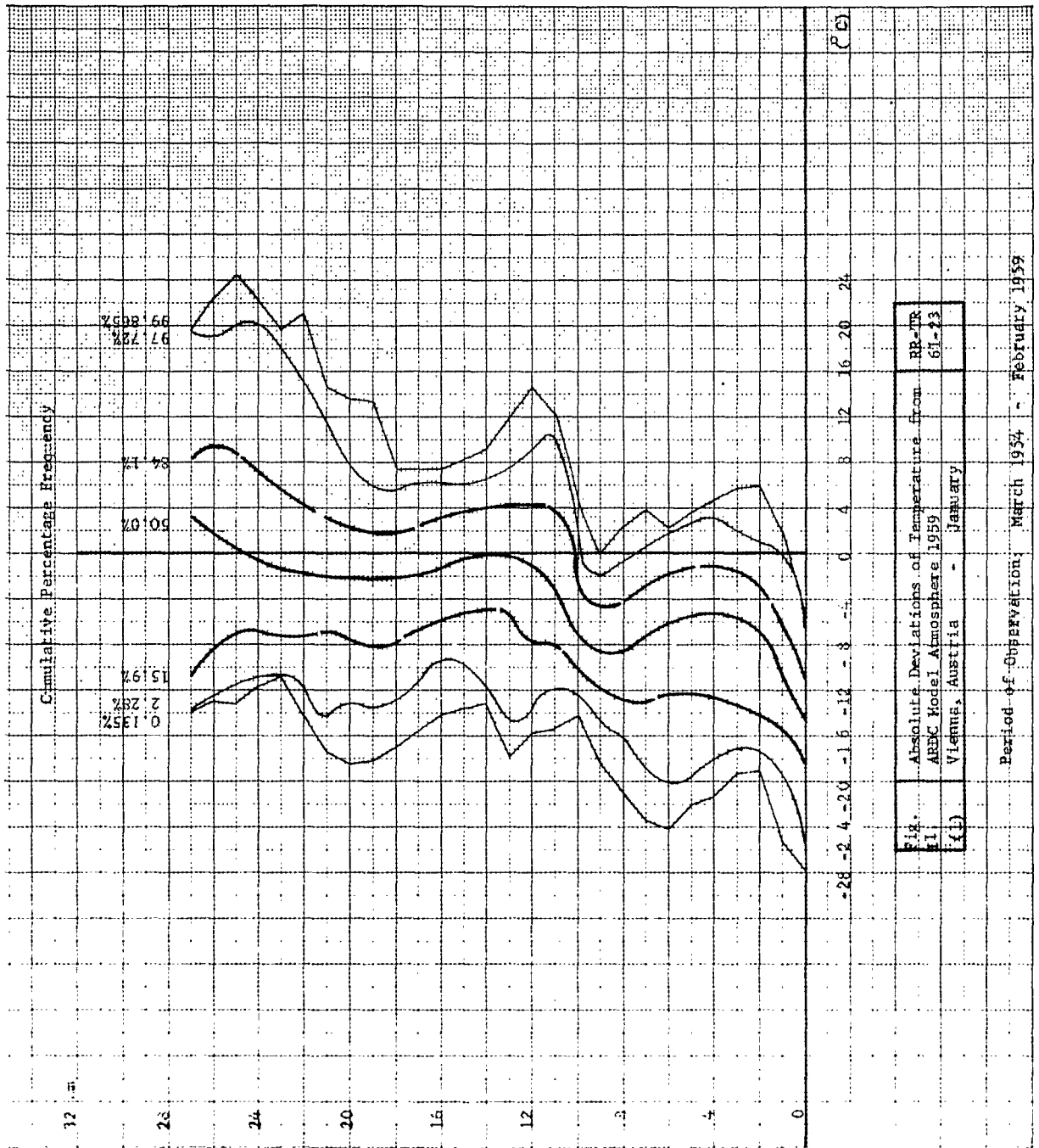


Fig. 1. Percent Deviations of Pressure from
 ARDC Model Atmosphere 1959
 Vienna, Austria - December

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Period of Observation: March 1954 - February 1959





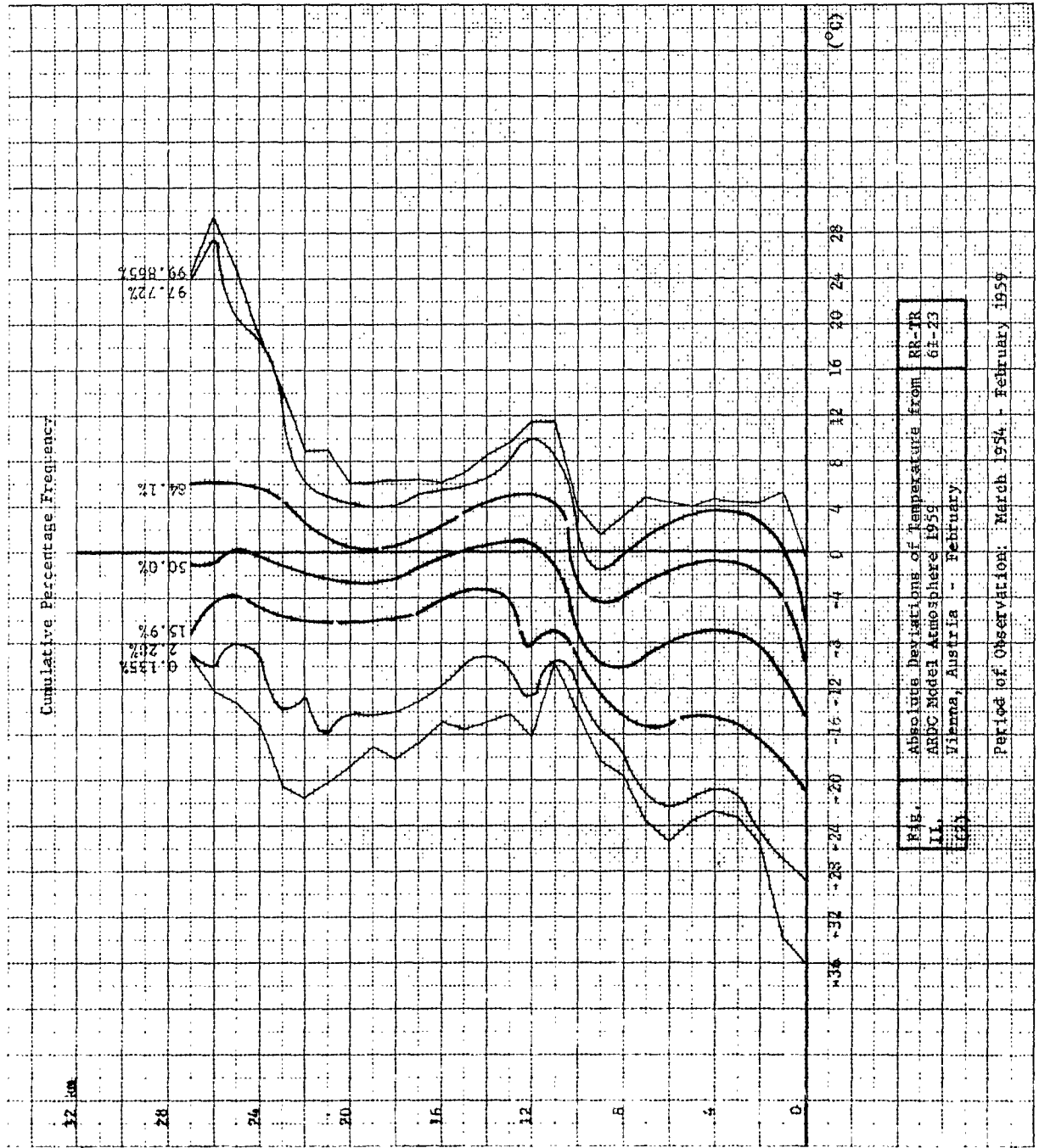


Fig. Absolute Deviations of Temperature from AR-TR
 II. ARDC Model Atmosphere 1959
 61-23
 Vienna, Austria - February
 1959

Period of Observation: March 1954 - February 1959

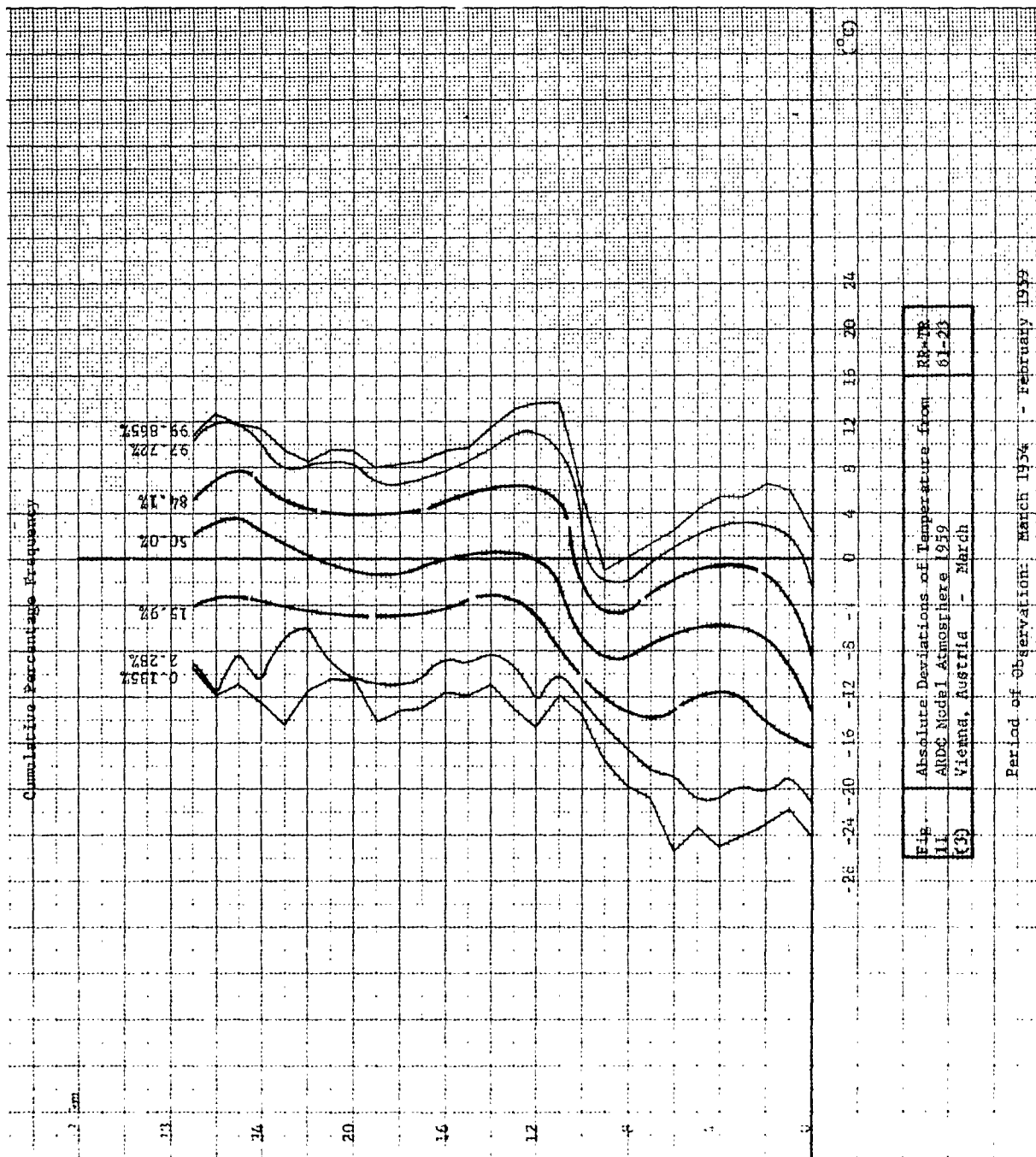
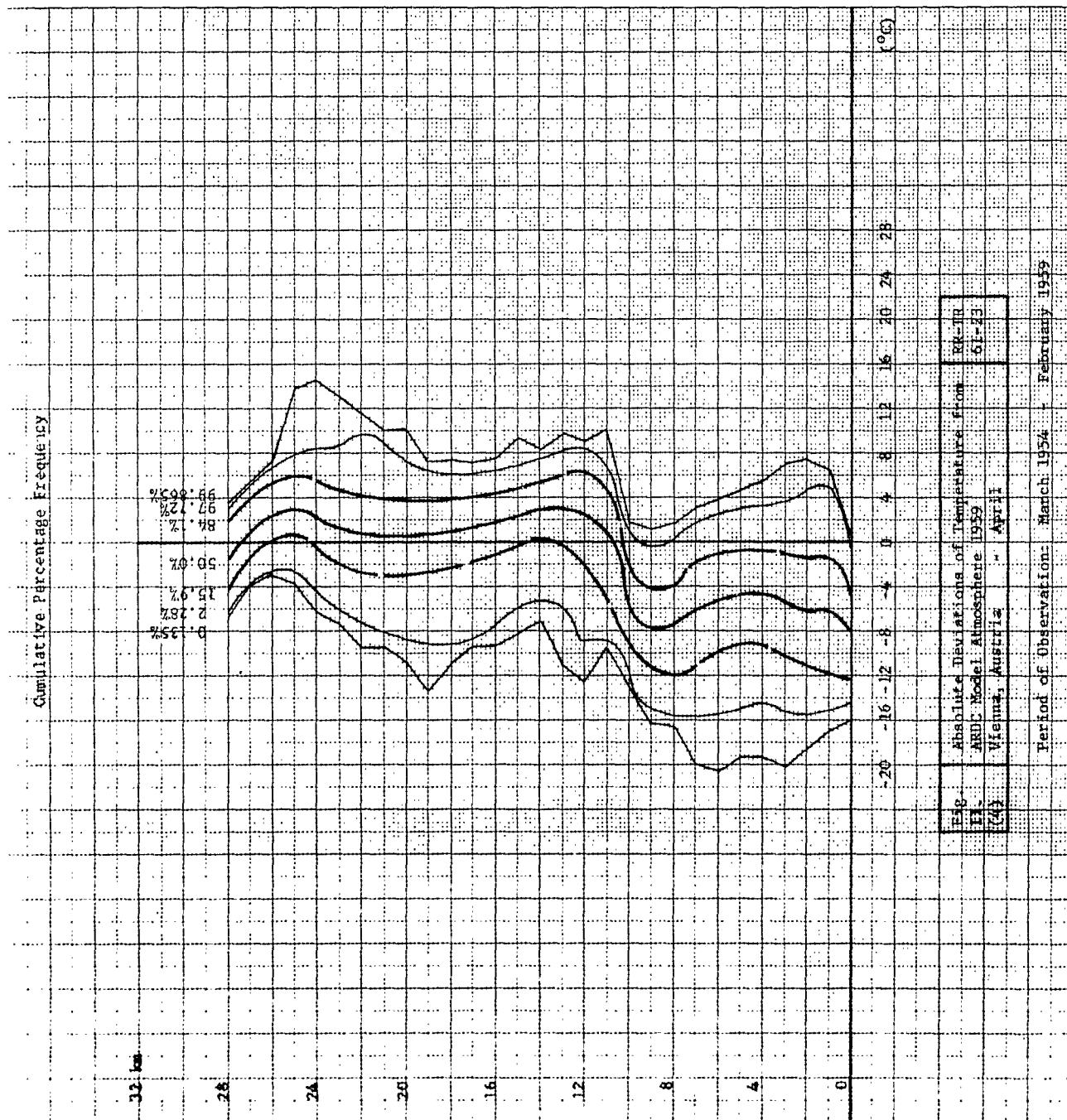
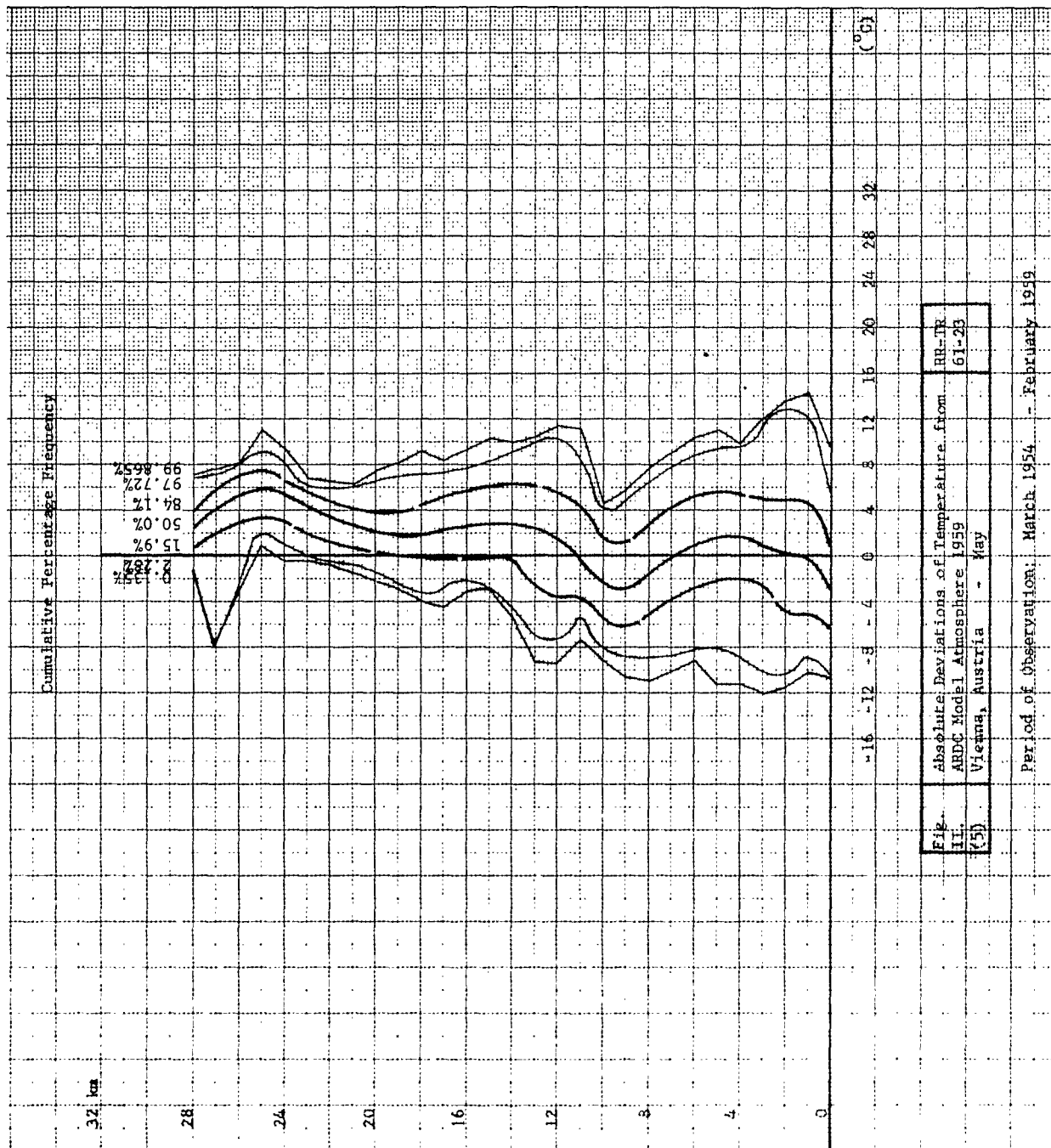


Fig. Absolute Deviations of Temperature from
 11. ARDC Model Atmosphere 1959
 (3) Vienna, Austria - March

Period of Observation: March 1954 - February 1959





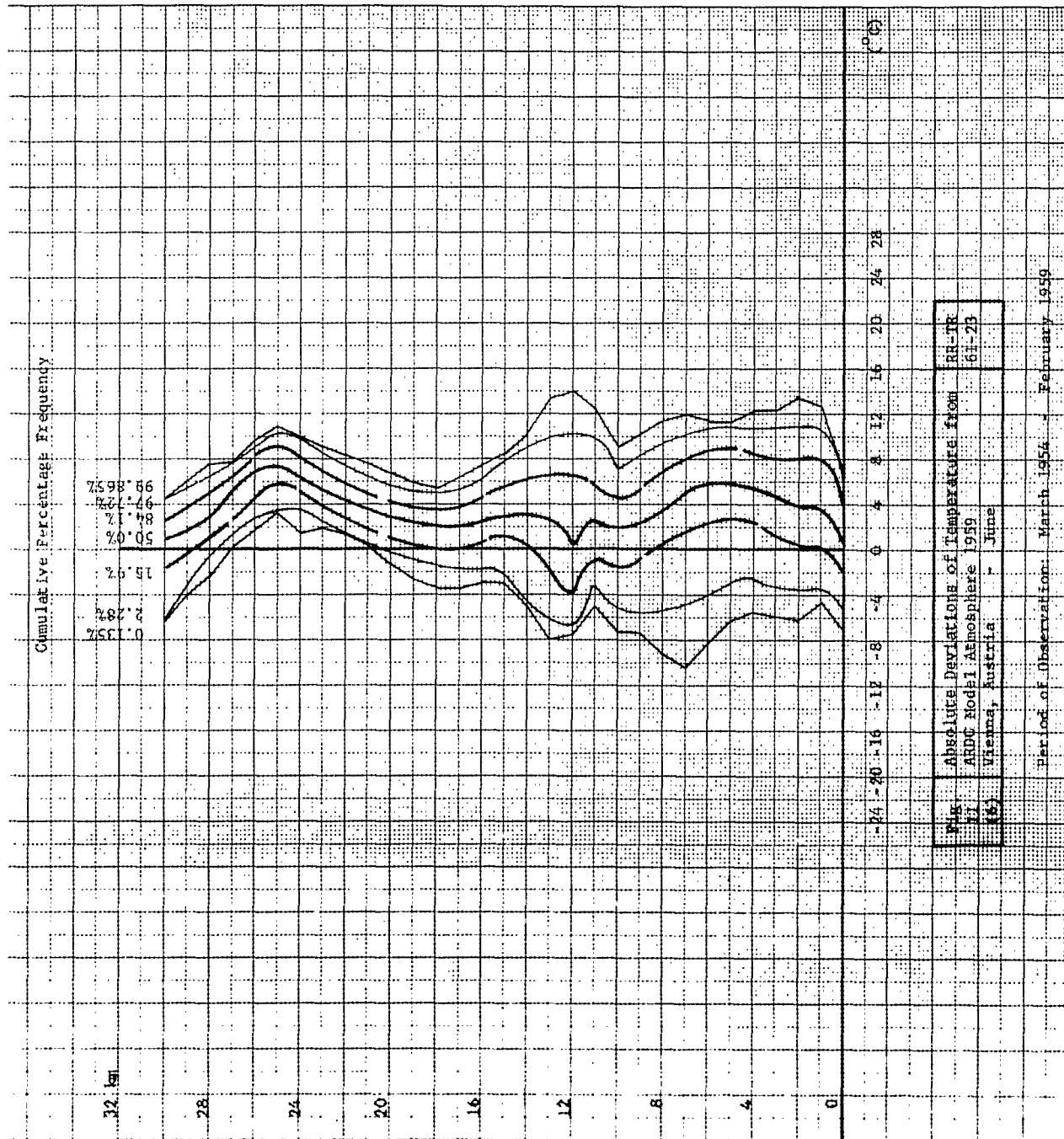
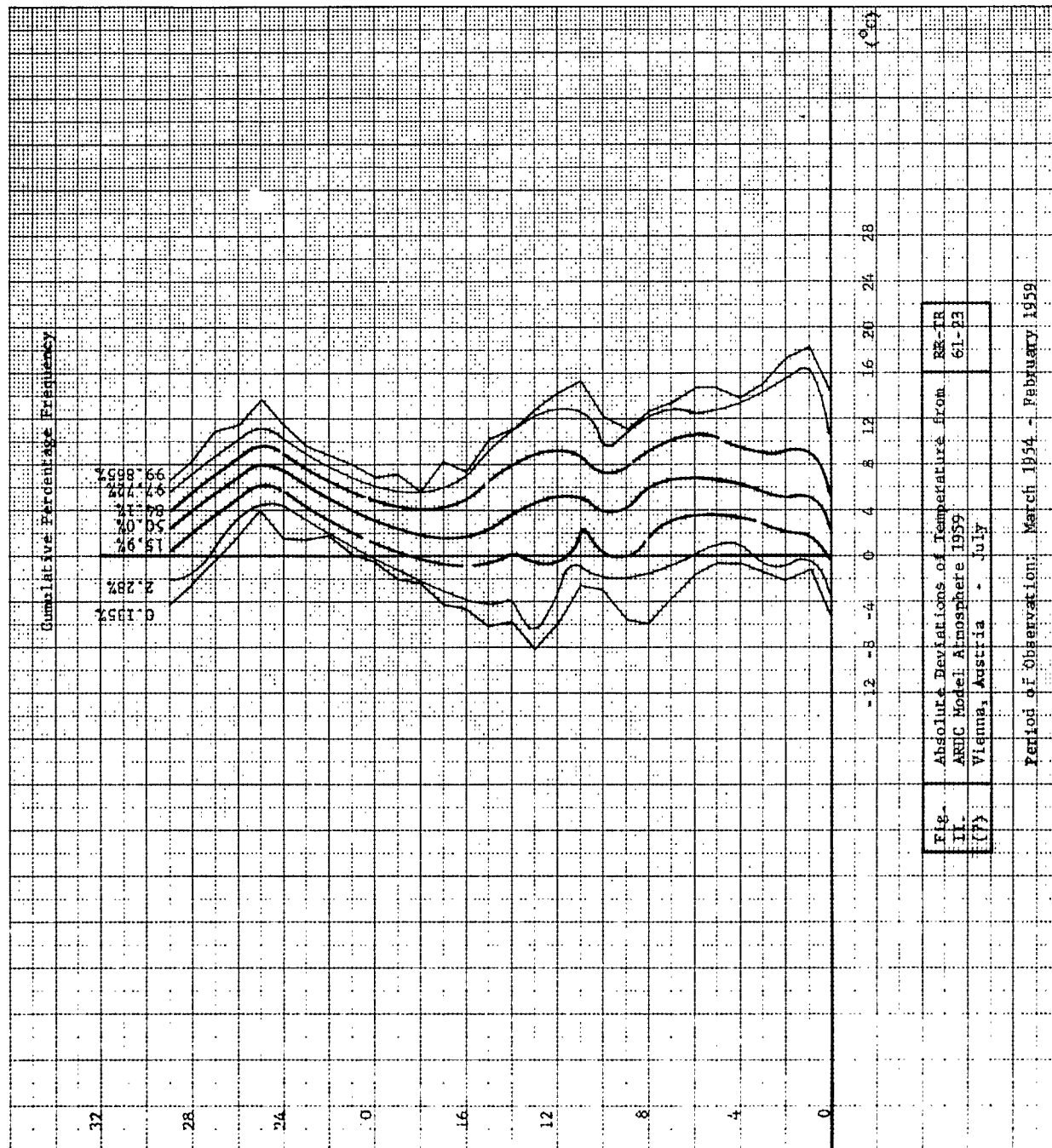
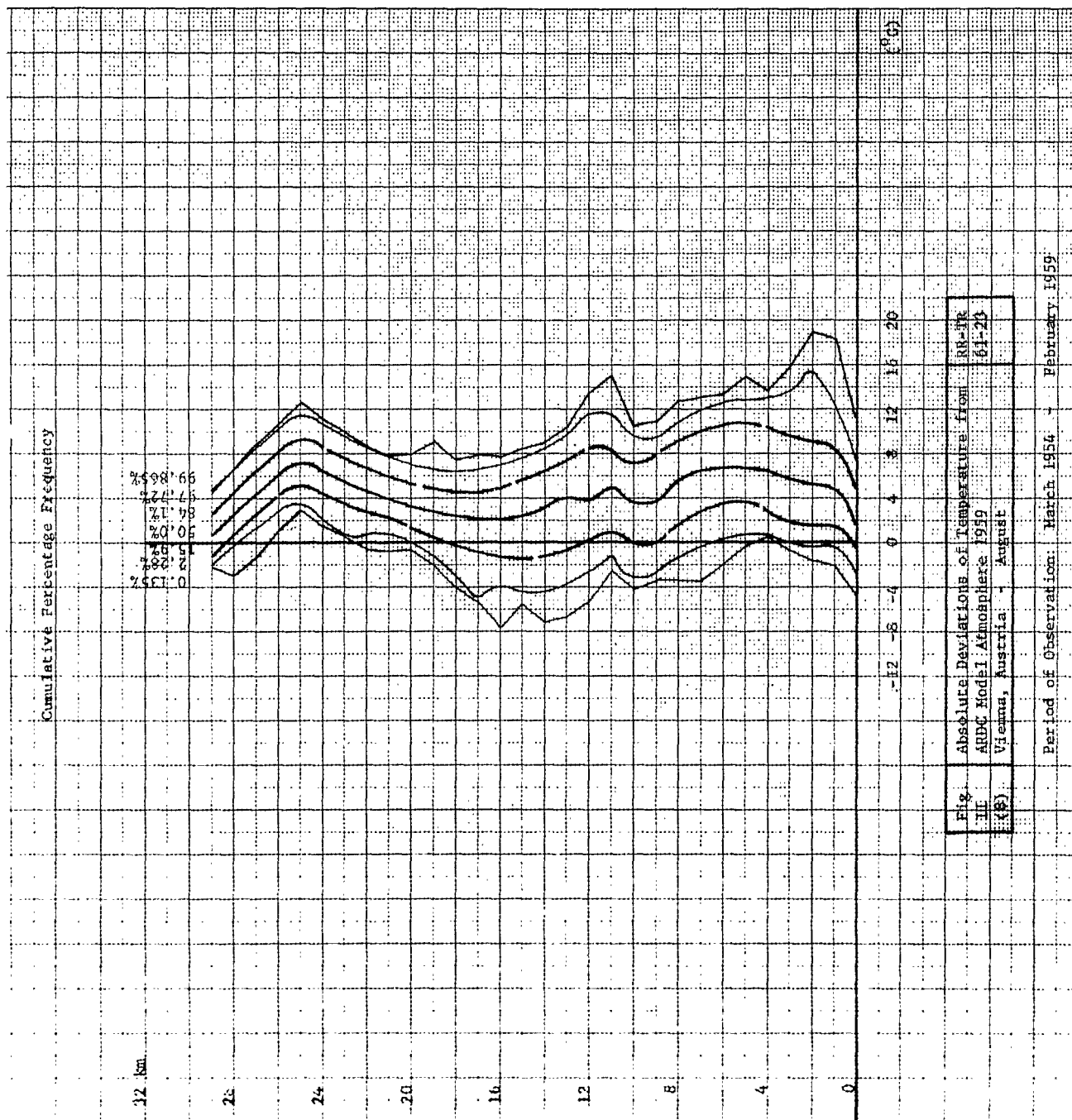


Fig. Absolute Deviations of Temperature from RH-TR 61-2B
 ADC Model Atmosphere 1959
 Vienna, Austria
 June

Period of Observation: March 1956 - February 1959





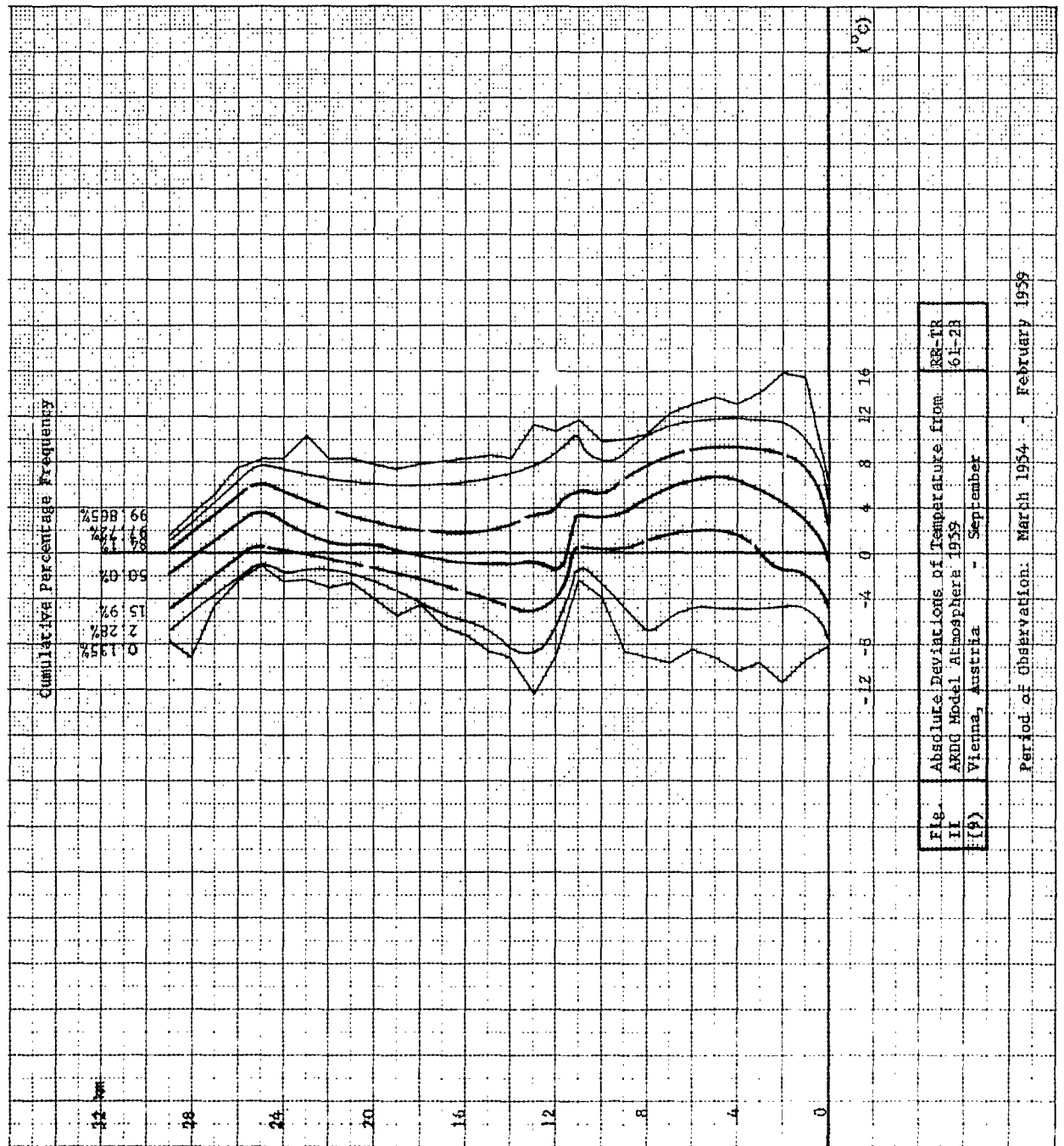


Fig. Absolute Deviations of Temperature from
 II AKDG Model Atmosphere 1959
 (9) Vienna, Austria - September

Period of Observation: March 1954 - February 1959

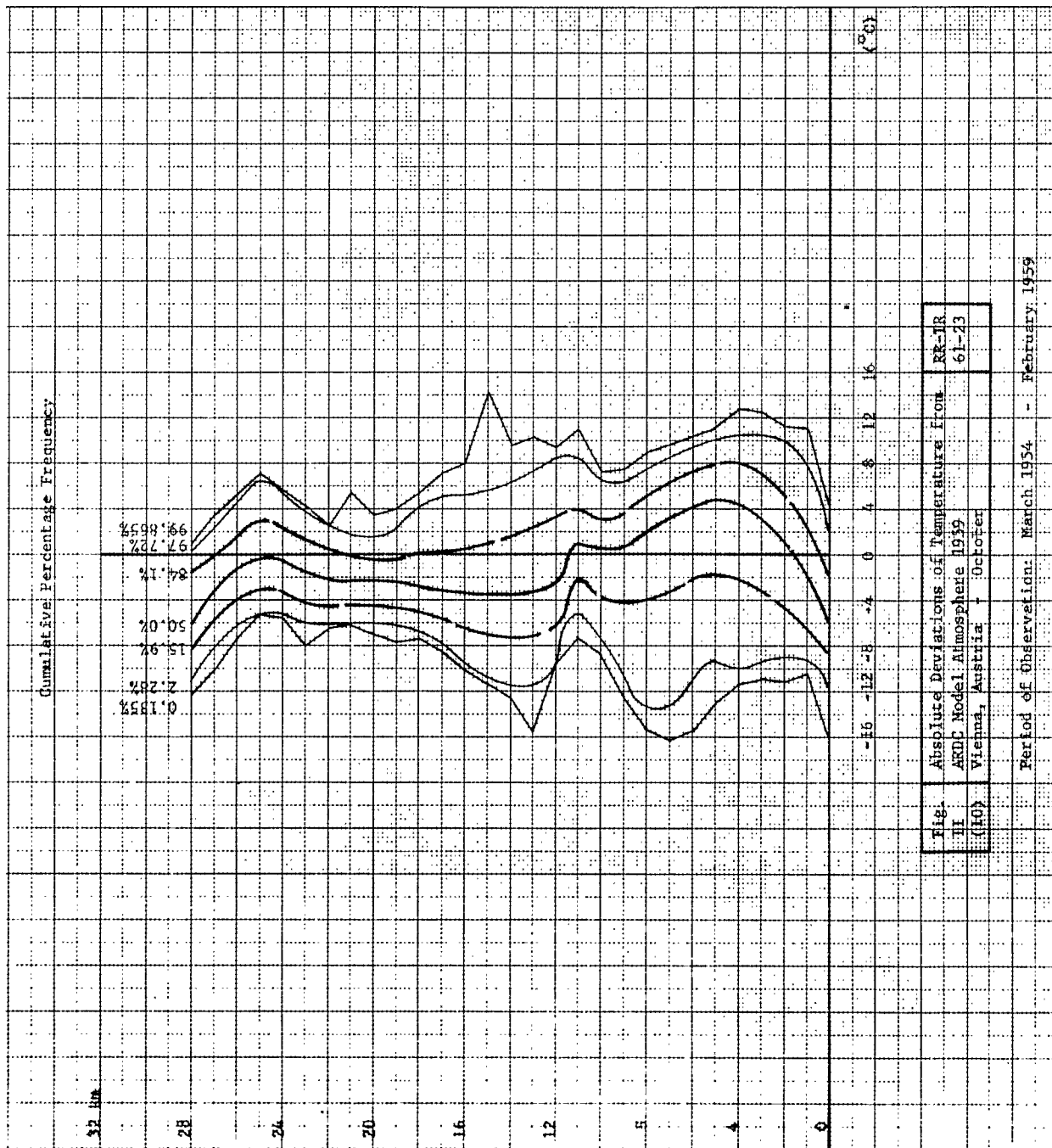


Fig. Absolute Deviations of Temperature from RR-JR 61-23 ARDC Model Atmosphere 1959 Vienna, Austria - October

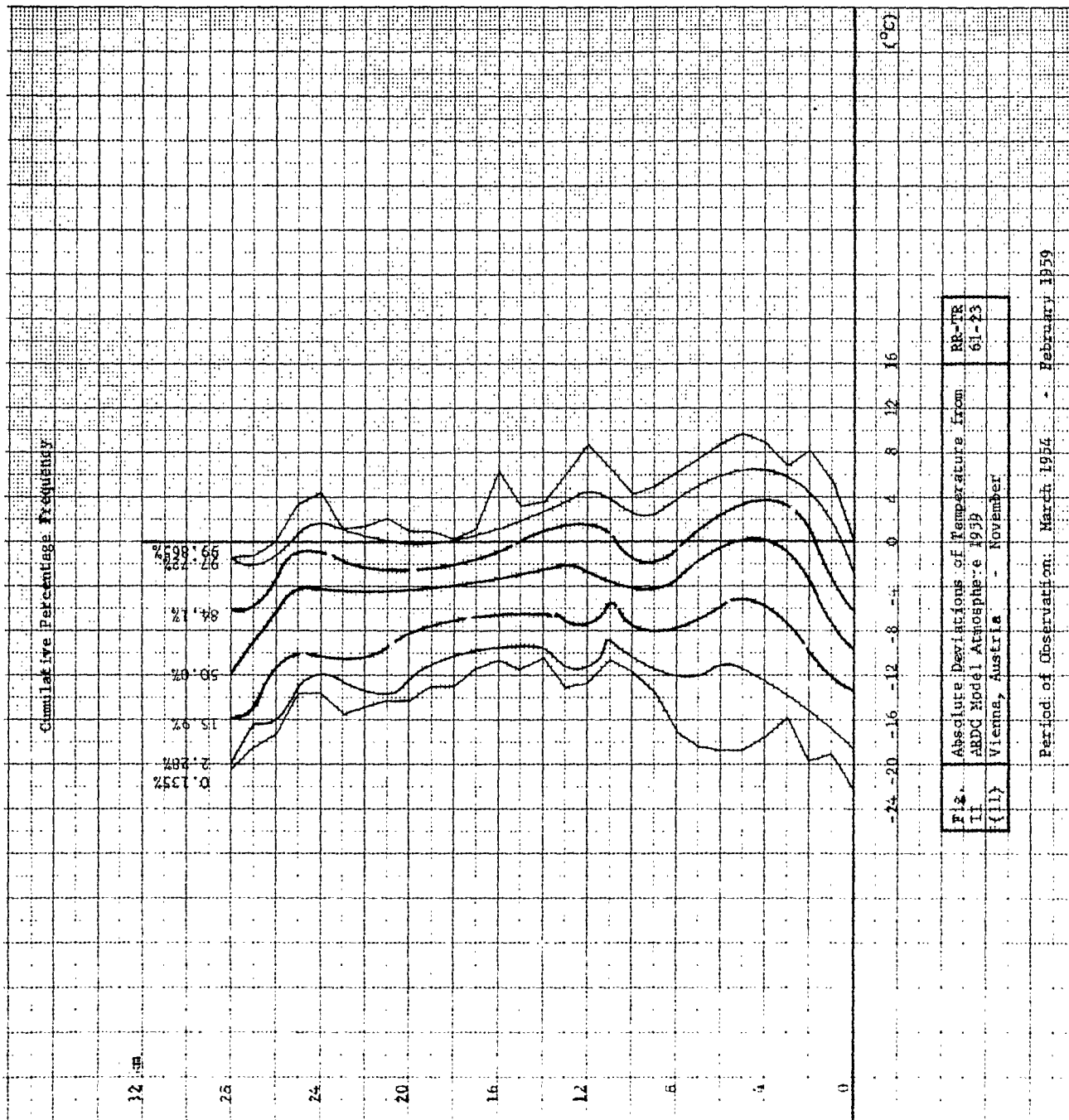
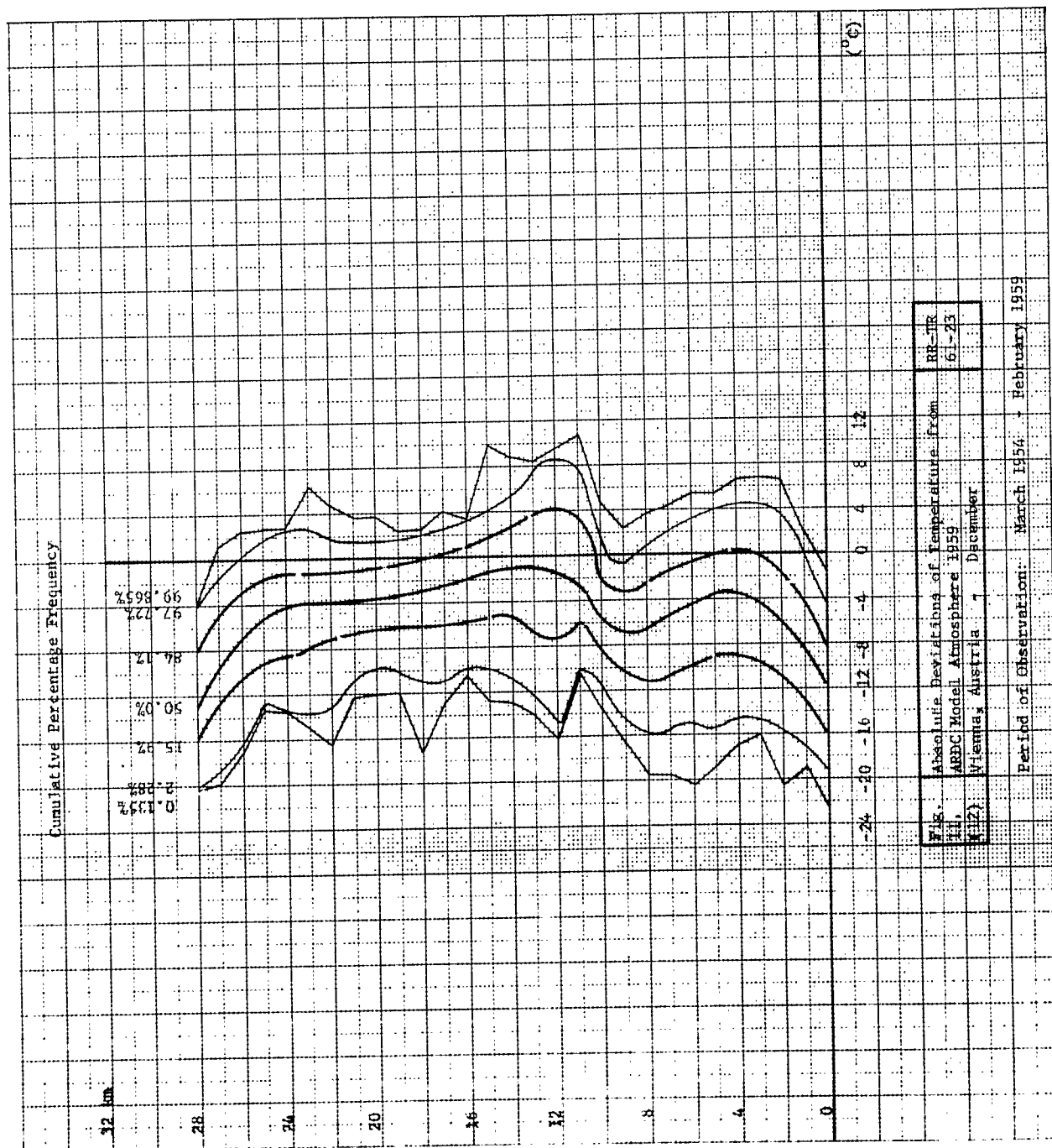
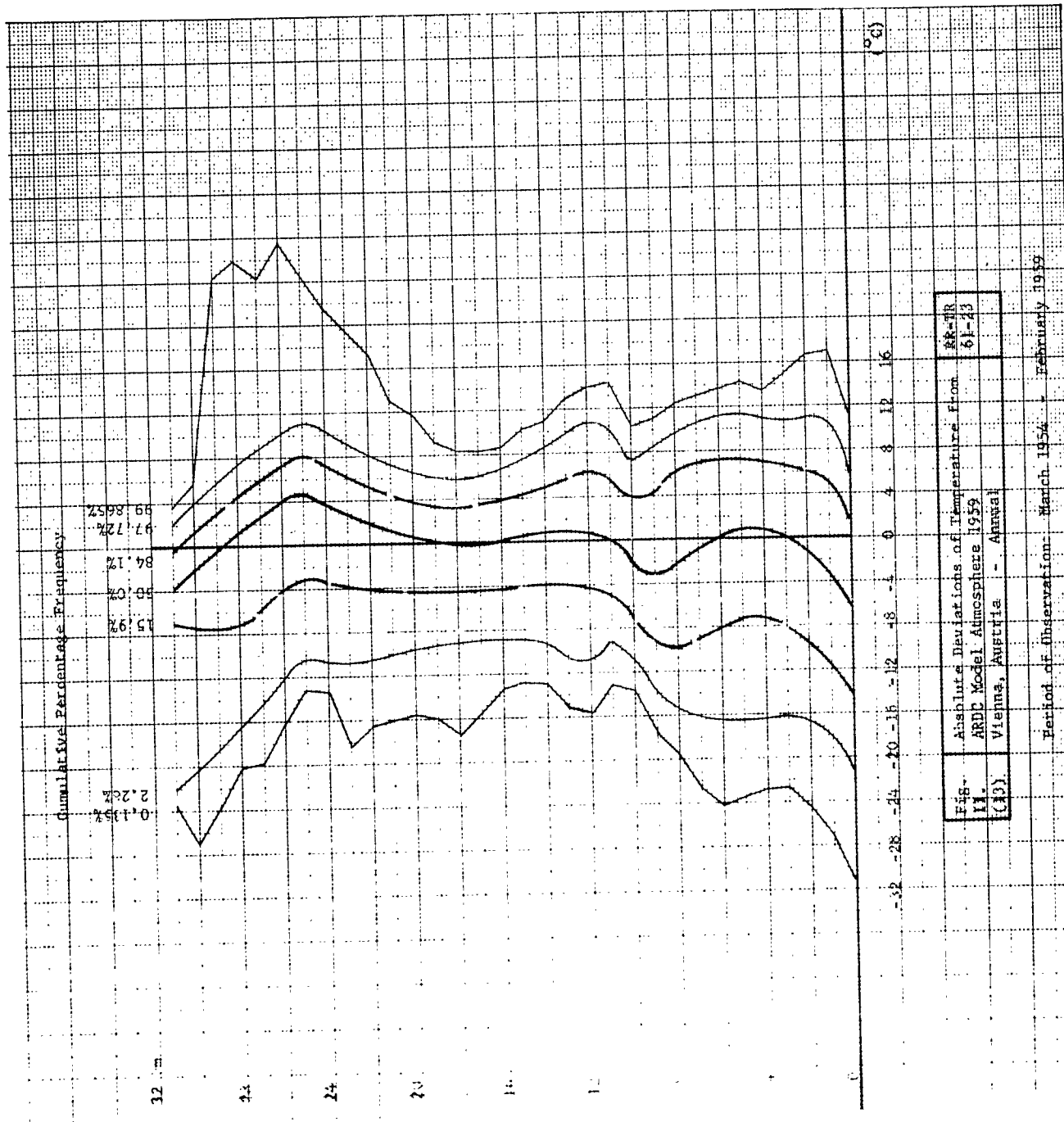


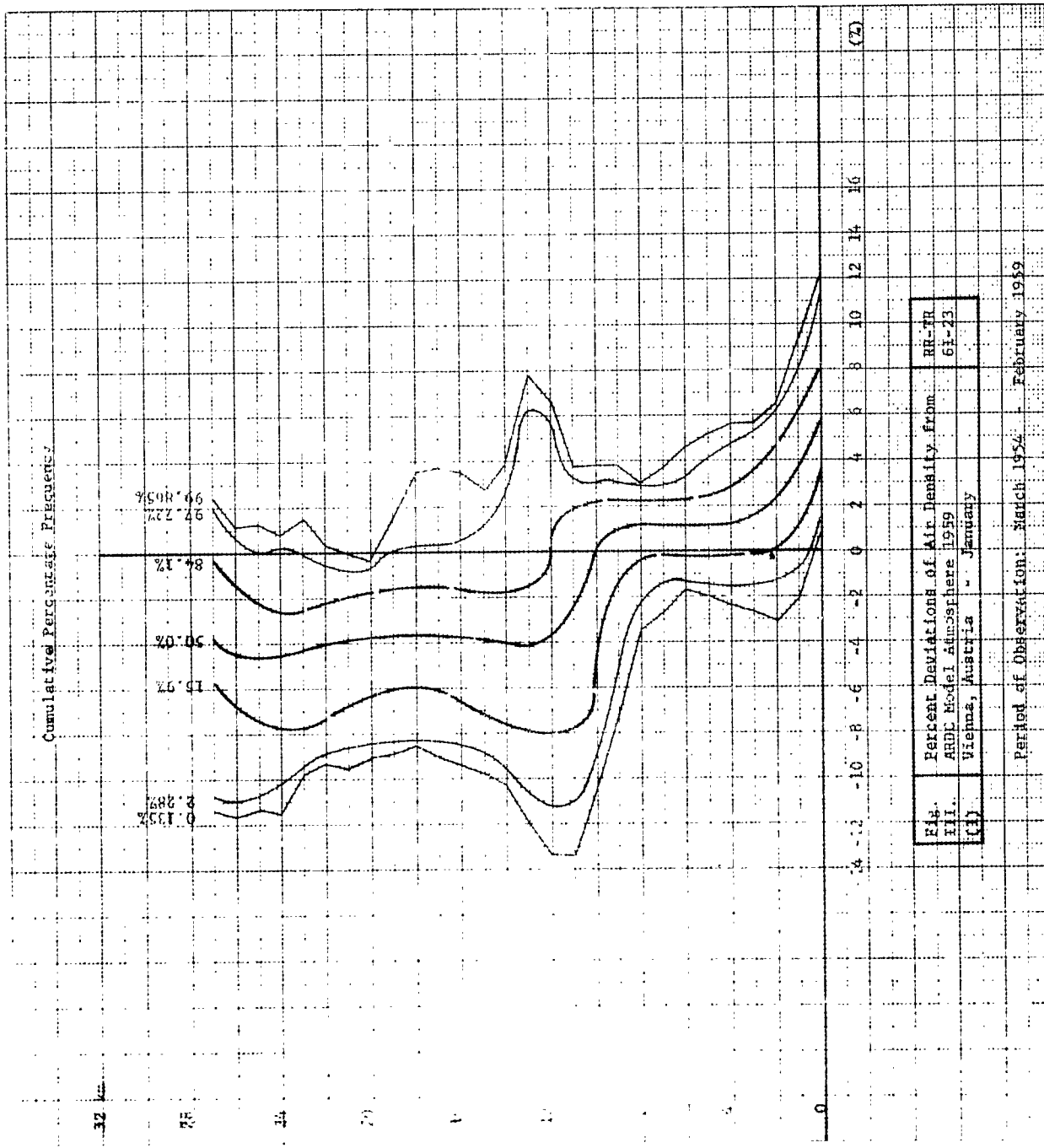
Fig. Absolute Deviations of Temperature from
 II ARDC Model Atmosphere 1959
 (11) Vienna, Austria - November

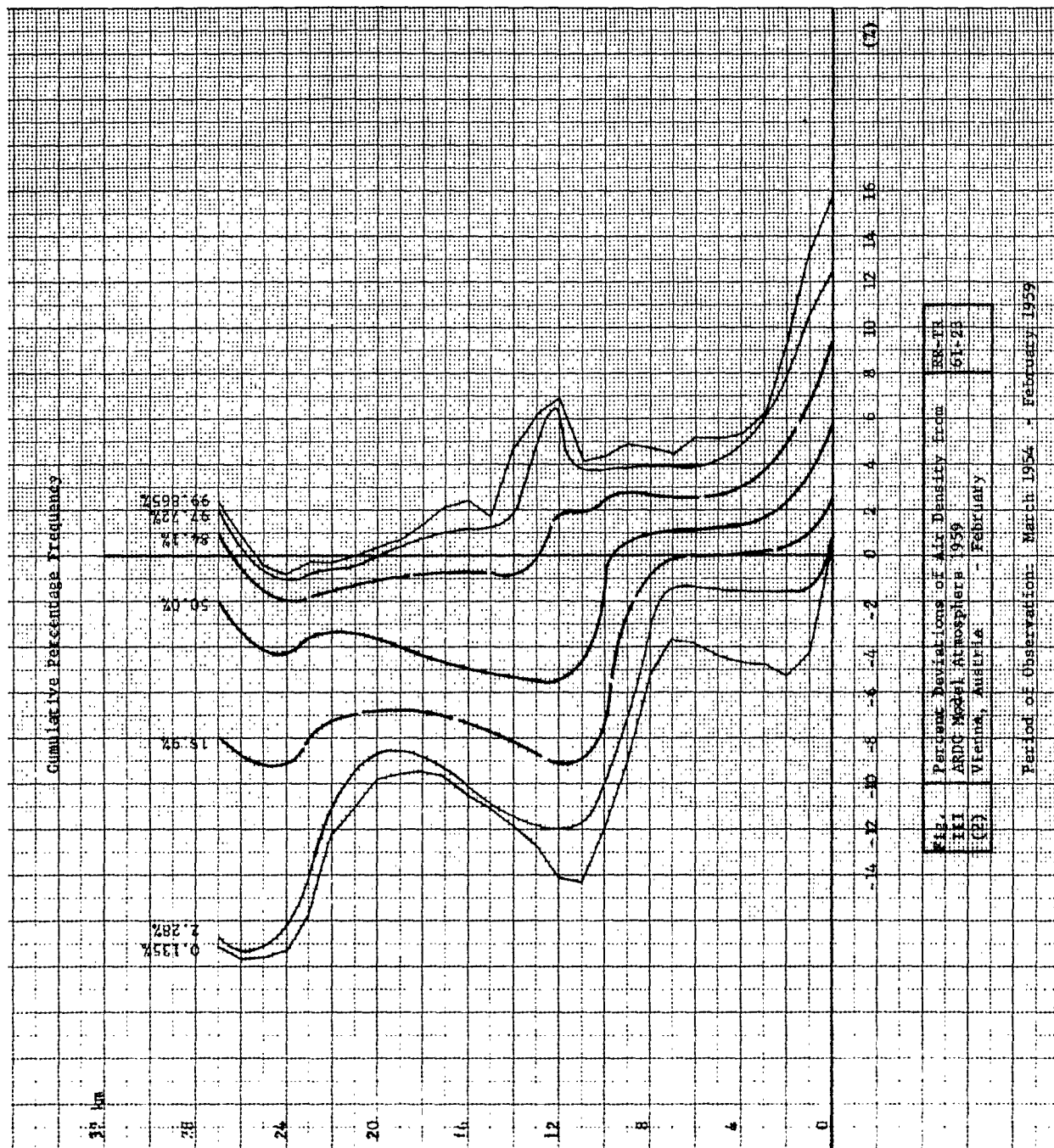
RR-TR
 61-23

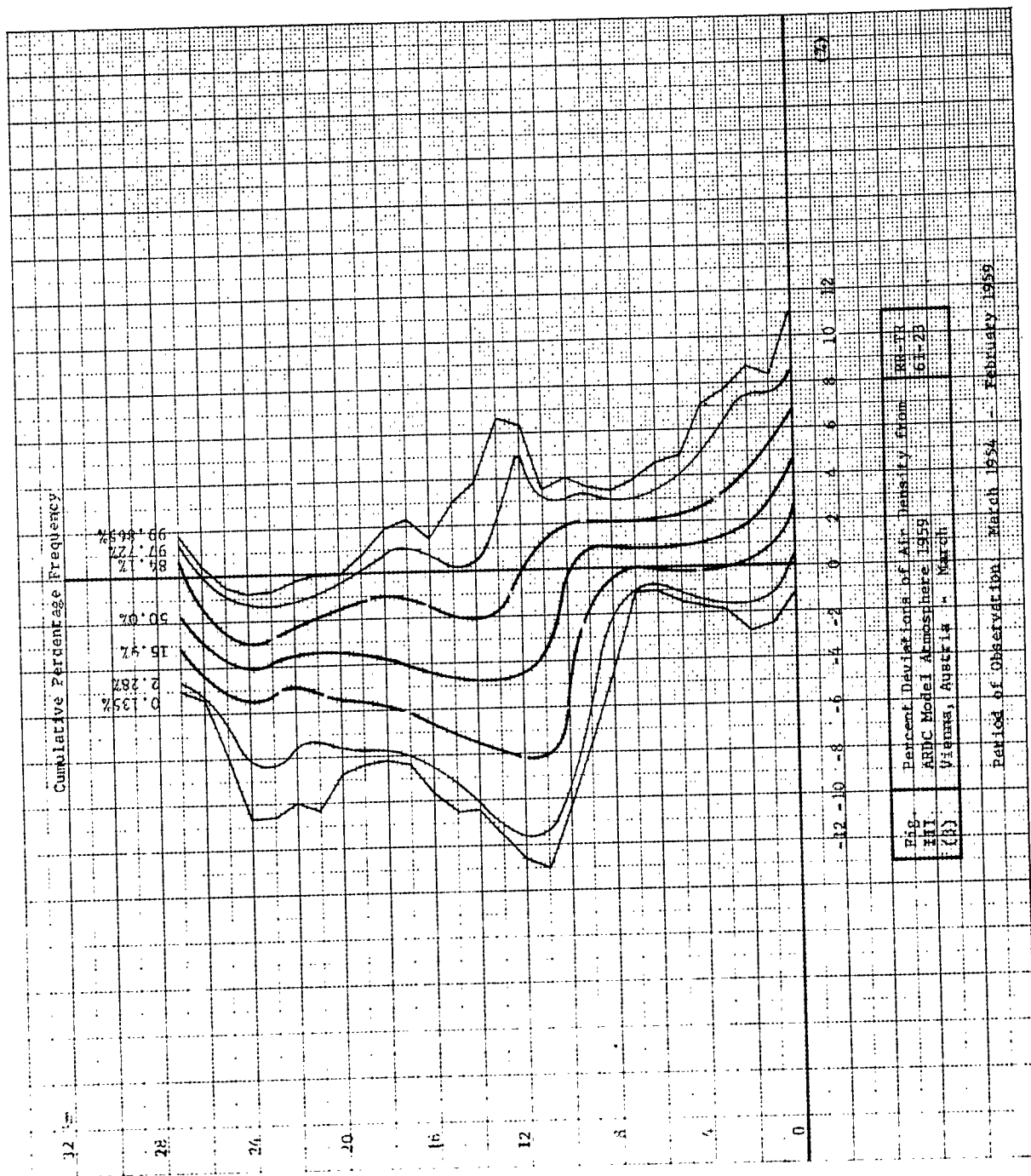
Period of Observation: March 1954 - February 1959

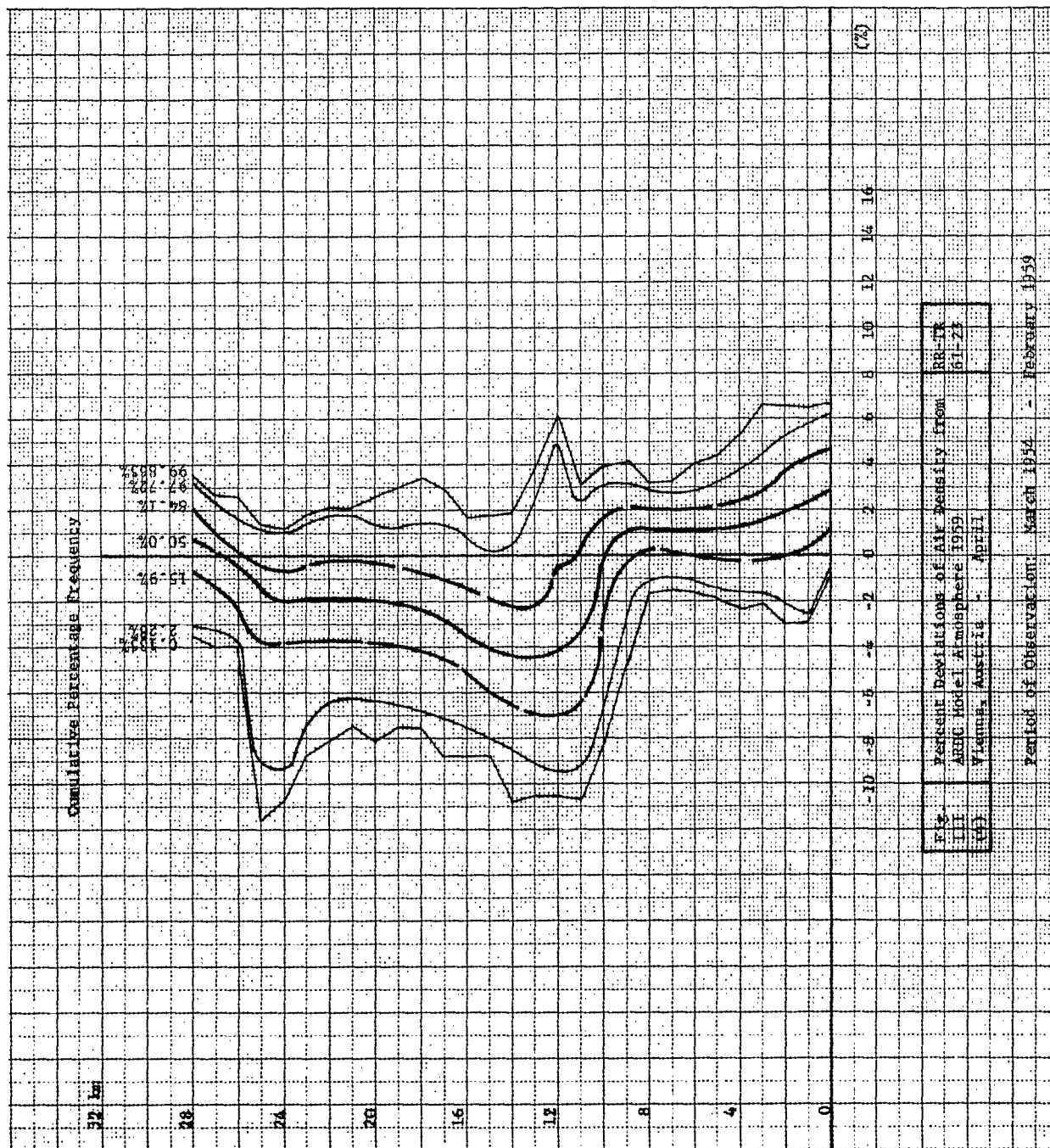


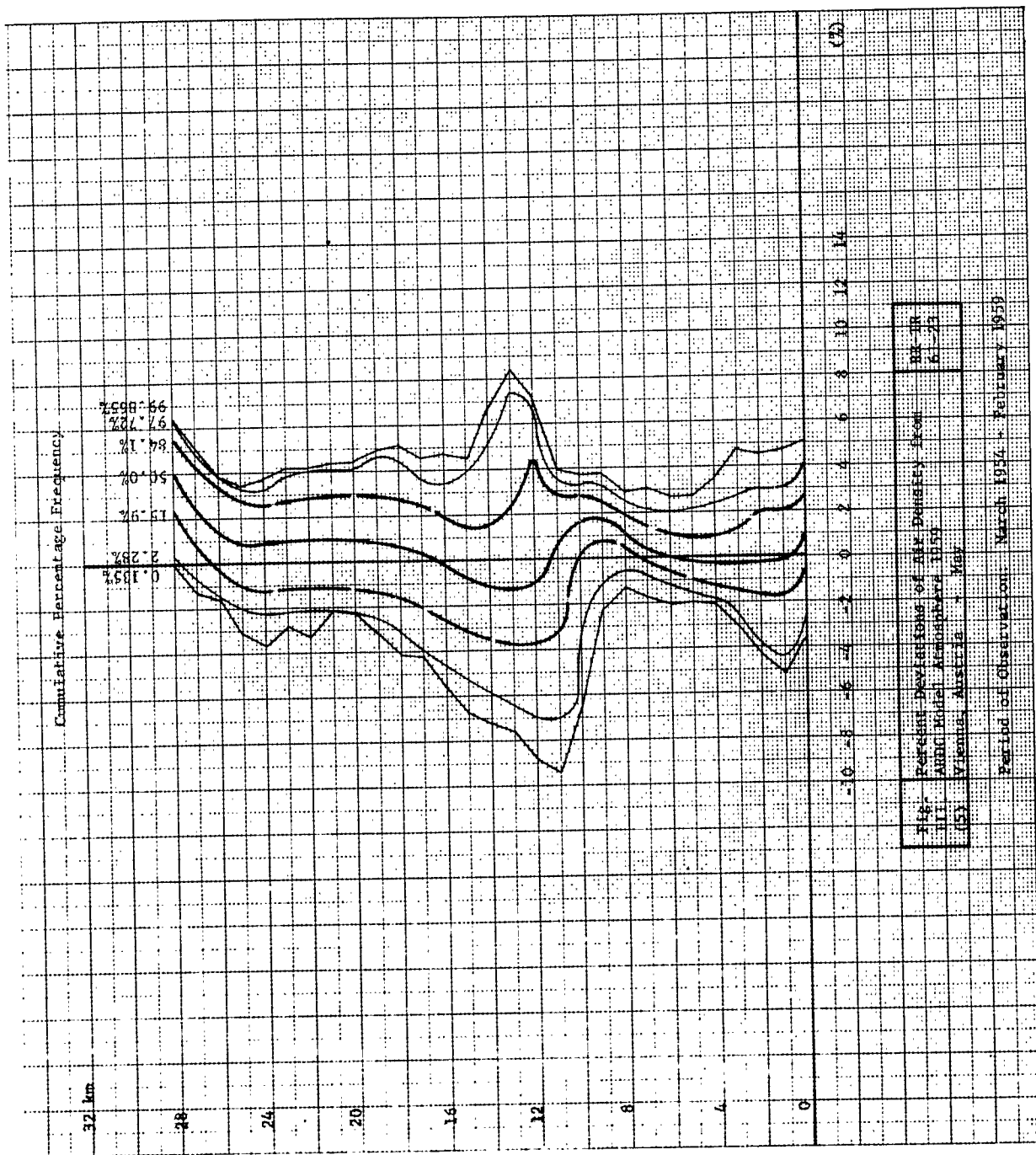


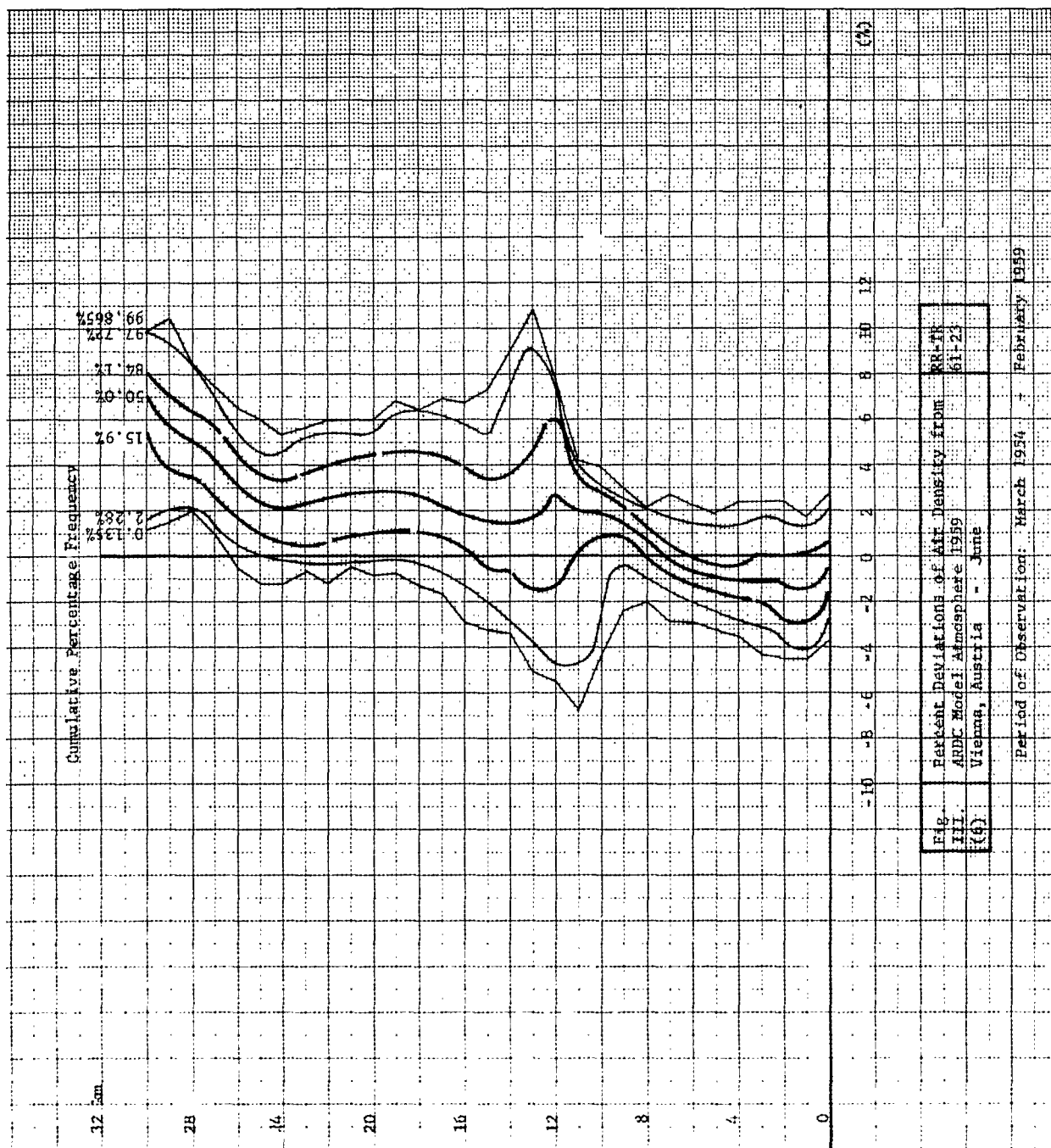












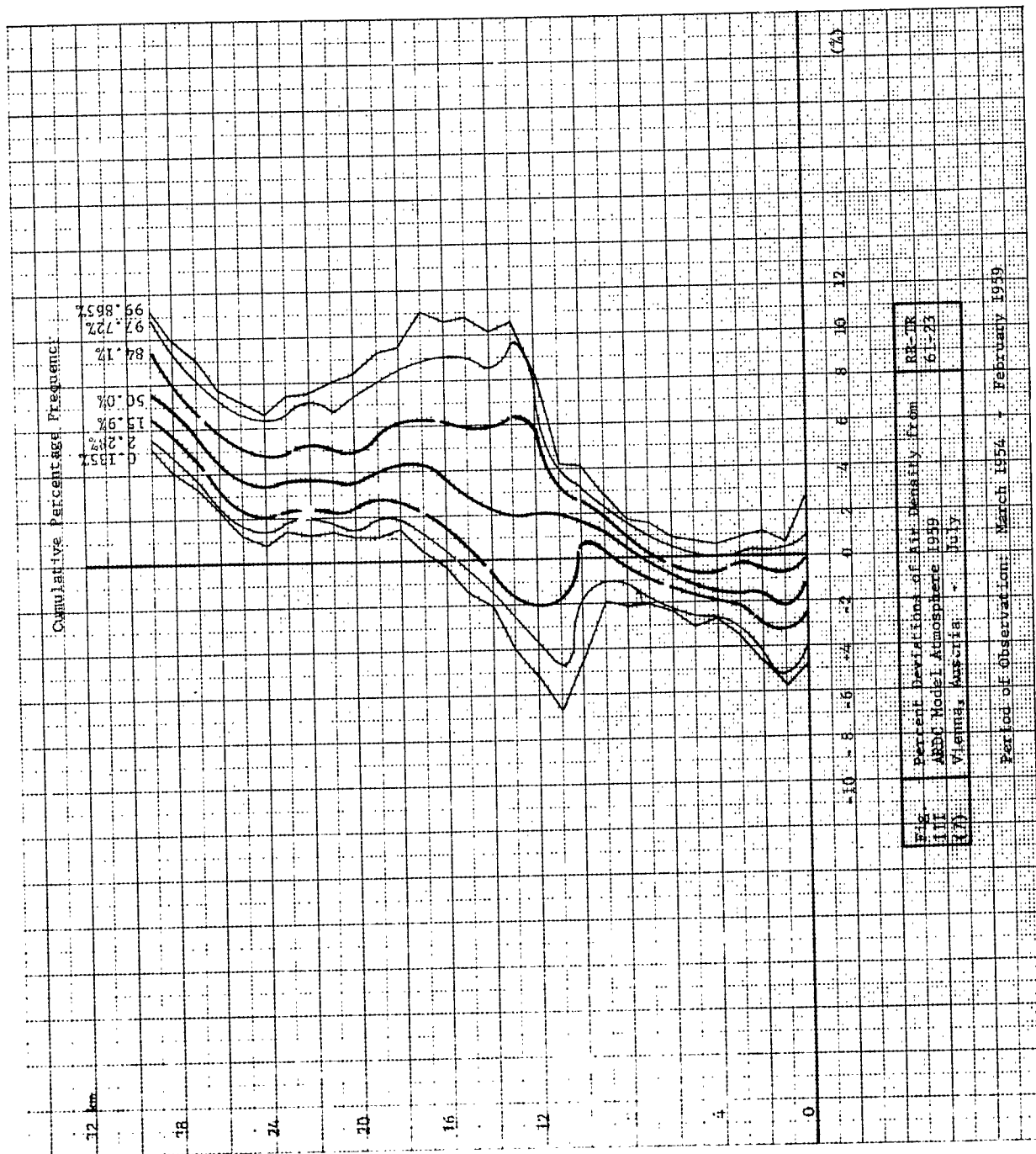
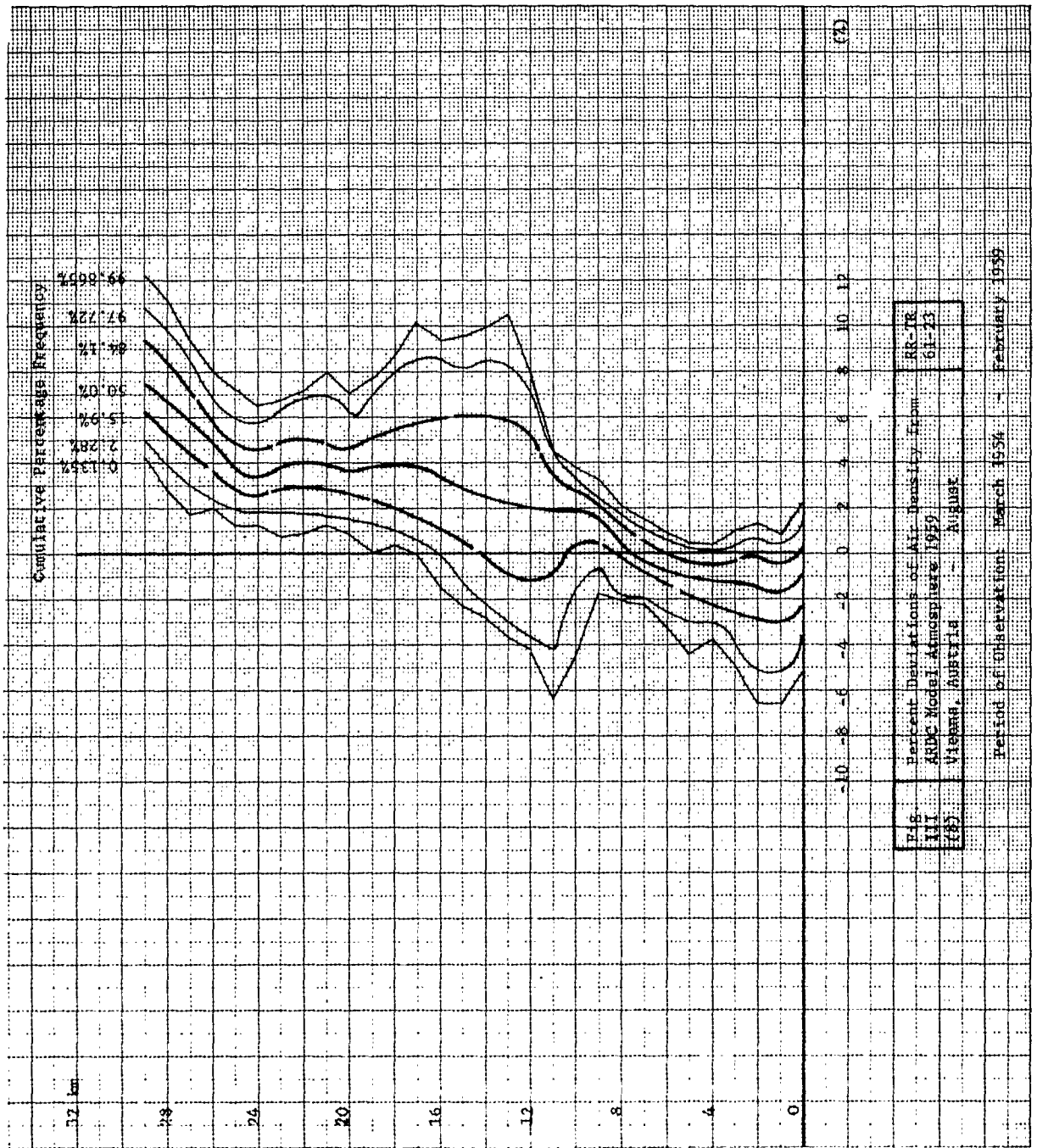
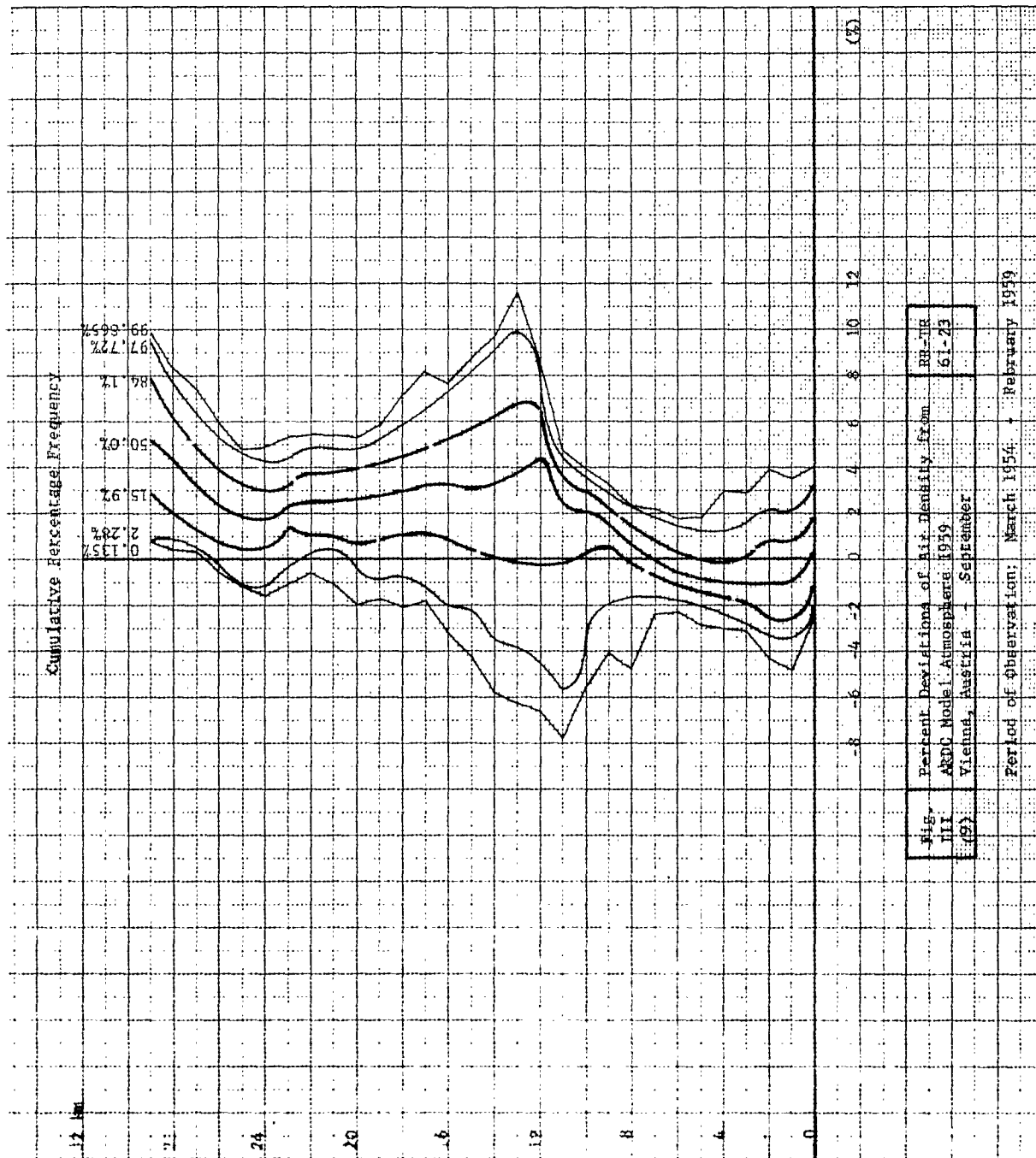
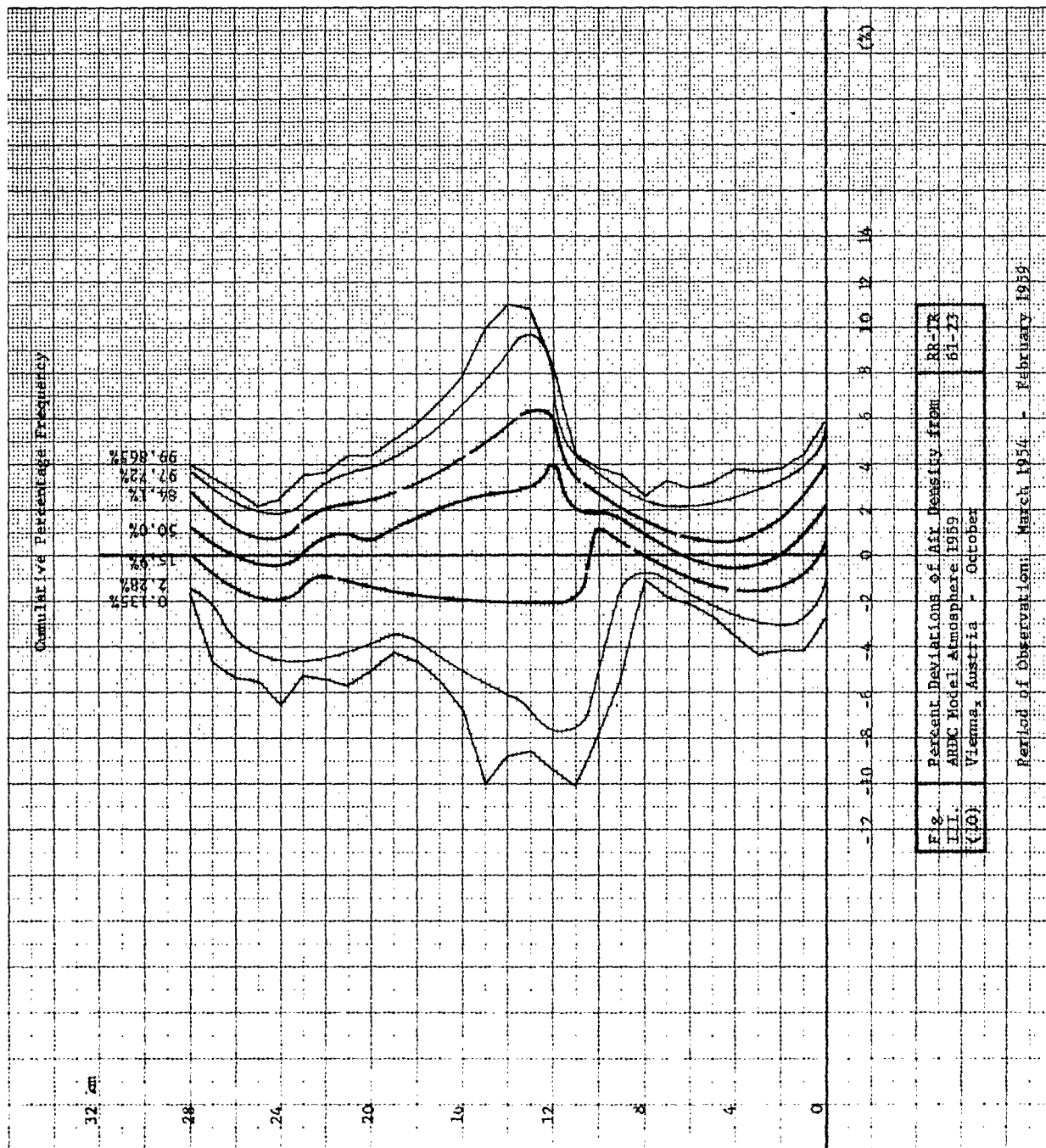


Fig. 1. Percent deviations of air density from the 1959 model atmosphere. 1959. 6.1-23. Vienna, Austria. July.

Period of Observation: March 1954 - February 1959







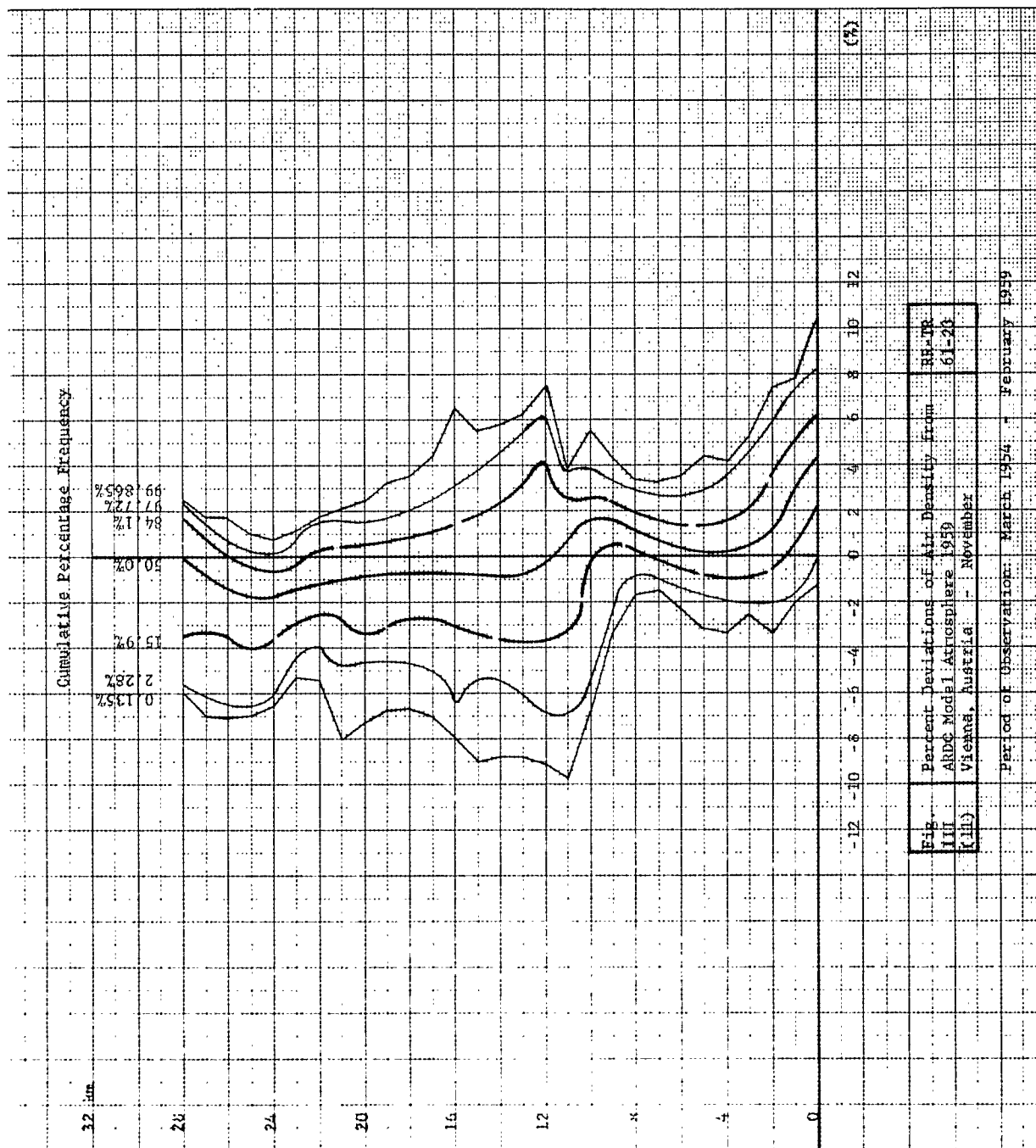
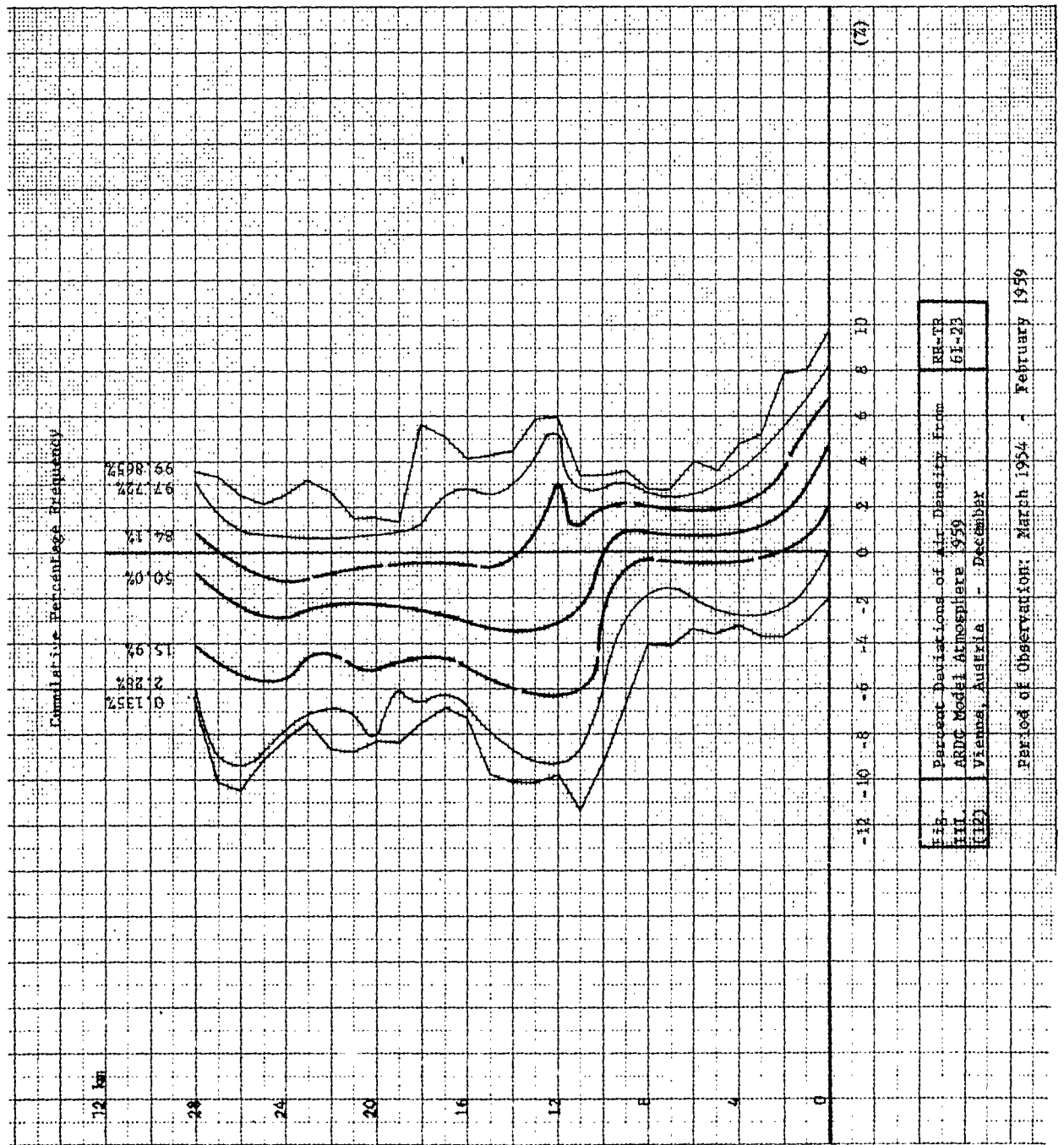


Fig. Percent Deviations of Air Density from RD-TP
 III AKDC Model Atmosphere 959
 (III) Vienna, Austria - November

Period of Observation: March 1954 - February 1959



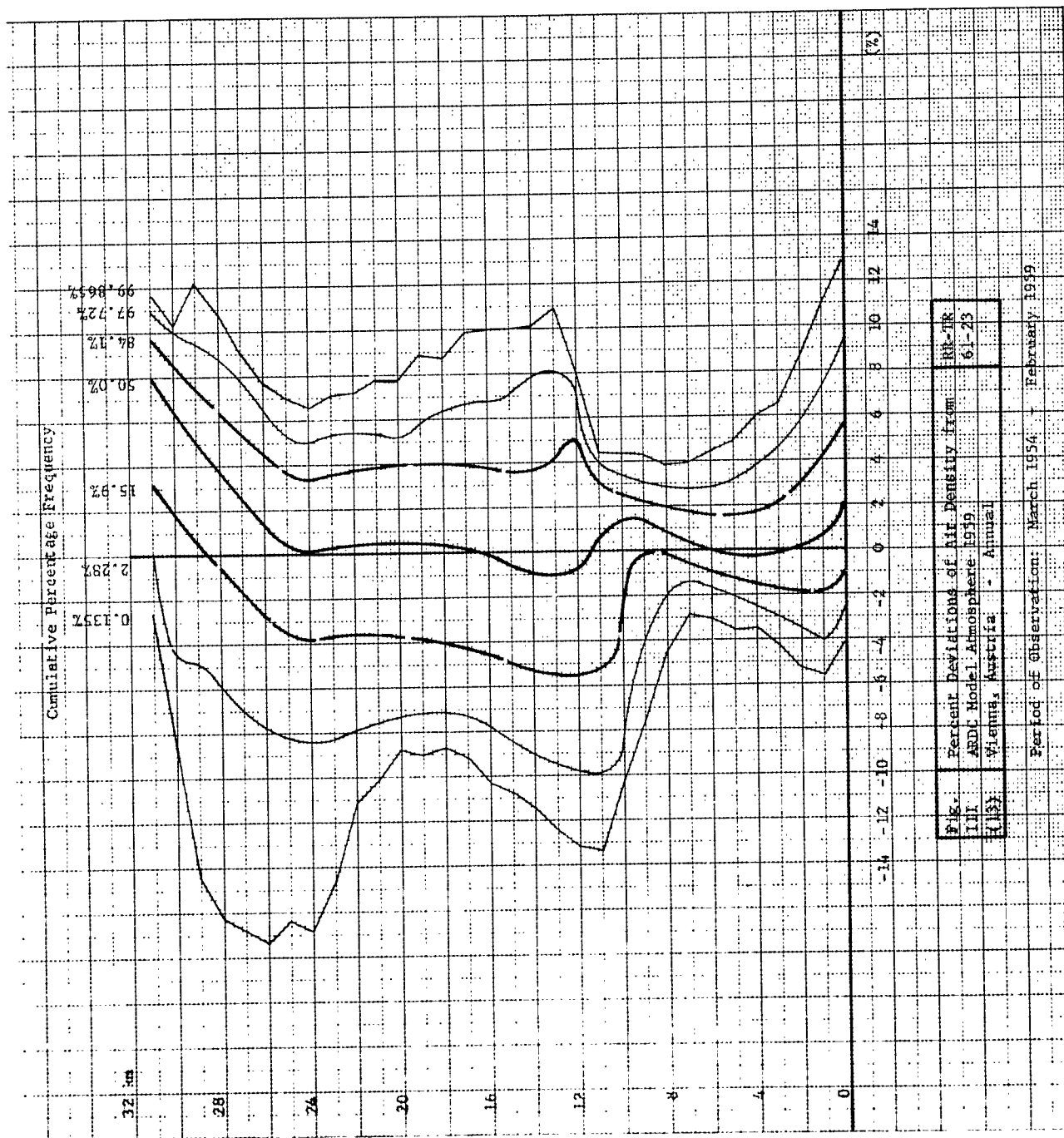


Fig. Percent Deviations of Air Density from ARDC Model Atmosphere 1919
 (11) Vienna, Austria - Annual
 (12) 61-23
 (13) RR-TR

Period of Observation: March 1954 - February 1959

Table I

Parameters of Station - Vienna, Austria

1 Mar 1954 - 28 Feb 1959:

$$\begin{aligned}\phi &= 48^{\circ}15'N \\ \lambda &= 16^{\circ}22'E \\ Y_o &= 200 \text{ m}\end{aligned}$$

ARDC - Values at Surface:

$$\begin{aligned}p &= 10,089.4 \text{ kp/m}^2 \\ T &= 286.86 \text{ }^{\circ}\text{K} \\ \rho &= 0.12254 \text{ kpsec}^2/\text{m}^4\end{aligned}$$

Legend:

$$\begin{aligned}\phi &\hat{=}\text{ geographic latitude} \\ \lambda &\hat{=}\text{ geographic longitude} \\ Y_o &\hat{=}\text{ elevation of RAOB instrument shelter} \\ p &\hat{=}\text{ pressure} \\ T &\hat{=}\text{ temperature} \\ \rho &\hat{=}\text{ air density}\end{aligned}$$

Note: The elevation of station given in Tables IV - VI is in error.
The correct elevation is given in this table.

TABLE II

Pressure, Temperature and Air Density
As of ARDC Model Atmosphere 1959

Y (km)	Pressure (mb) (kp/m ²)		Temperature (°C) (°K)		Air Density (kg m) (kp sec ² /m ⁴)	
0	1013	10,330	+15.0	288.15	1.225	124.9 x 10 ⁻³
1	899	9,160	+ 8.5	281.65	1.112	113.4 x 10 ⁻³
2	795	8,110	+ 2.0	275.15	1.007	102.7 x 10 ⁻³
3	701	7,150	- 4.5	268.65	0.909	92.7 x 10 ⁻³
4	617	6,290	-11.0	262.15	0.819	83.5 x 10 ⁻³
5	540	5,510	-17.5	255.65	0.736	75.1 x 10 ⁻³
6	472	4,810	-23.9	249.25	0.660	67.3 x 10 ⁻³
7	411	4,190	-30.4	242.75	0.5900	60.15 x 10 ⁻³
8	357	3,640	-36.9	236.25	0.5260	53.65 x 10 ⁻³
9	308	3,140	-43.4	229.75	0.4670	47.60 x 10 ⁻³
10	265	2,700	-49.9	223.25	0.4135	42.15 x 10 ⁻³
11	227.0	2,315	-56.4	216.75	0.3650	37.20 x 10 ⁻³
12	194.0	1,980	-56.5	216.65	0.3120	31.80 x 10 ⁻³
13	166.0	1,690	-56.5	216.65	0.2665	27.20 x 10 ⁻³
14	141.5	1,445	-56.5	216.65	0.2280	23.25 x 10 ⁻³
15	121.0	1,235	-56.5	216.65	0.1950	19.90 x 10 ⁻³
16	103.5	1,055	-56.5	216.65	0.1665	17.00 x 10 ⁻³
17	88.5	902	-56.5	216.65	0.1424	14.50 x 10 ⁻³
18	75.7	771	-56.5	216.65	0.1216	12.40 x 10 ⁻³
19	64.7	659	-56.5	216.65	0.1040	10.60 x 10 ⁻³

Table II (Con't)

20	55.3	564	-56.5	216.65	0.0890	9.08×10^{-3}
21	47.25	482.0	-56.5	216.65	0.0760	7.74×10^{-3}
22	40.40	412.0	-56.5	216.65	0.0650	6.62×10^{-3}
23	34.55	352.5	-56.5	216.65	0.0556	5.66×10^{-3}
24	29.55	301.5	-56.5	216.65	0.0476	4.86×10^{-3}
25	25.25	257.5	-56.5	216.65	0.0406	4.14×10^{-3}
26	21.65	220.5	-53.8	219.35	0.0344	3.51×10^{-3}
27	18.55	189.0	-50.8	222.35	0.0291	2.97×10^{-3}
28	15.95	162.5	-47.9	225.25	0.0247	2.52×10^{-3}
29	13.75	140.0	-44.9	228.25	0.0210	2.14×10^{-3}
30	11.85	121.0	-41.9	231.25	0.0179	1.83×10^{-3}
31	10.25	104.5	-38.9	234.25	0.0152	1.55×10^{-3}
32	8.90	90.5	-36.0	237.15	0.0130	1.33×10^{-3}
33	7.70	78.5	-33.0	240.15	0.0112	1.14×10^{-3}
34	6.70	68.5	-30.0	243.15	0.0096	0.98×10^{-3}
35	5.85	59.5	-27.1	246.05	0.0083	0.85×10^{-3}
36	5.10	52.0	-24.1	249.05	0.0071	0.72×10^{-3}
37	4.45	45.5	-21.1	252.05	0.0062	0.63×10^{-3}
38	3.90	39.5	-18.2	254.95	0.0053	0.54×10^{-3}
39	3.40	35.0	-15.2	257.95	0.0046	0.47×10^{-3}
40	3.00	30.5	-12.2	260.95	0.0040	0.41×10^{-3}

Table III

Number of Ascents - Vienna, Austria

	1954	1955	1956	1957	1958	1959	Total
Jan	-	31	31	31	31	31	155
Feb	-	28	29	28	28	28	141
Mar	31	31	31	31	31	-	155
Apr	30	30	30	30	30	-	150
May	31	31	31	31	31	-	155
Jun	30	30	30	30	30	-	150
Jul	31	31	31	31	31	-	155
Aug	31	31	31	31	31	-	155
Sep	30	30	30	30	30	-	150
Oct	31	31	31	31	31	-	155
Nov	30	30	30	30	30	-	150
Dec	31	31	31	31	31	-	155
Total	306	365	366	365	365	59	1826

Table IV (1)

00000 27 1957

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1959

JANUARY

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	-135 PERCENT	-2.28 PERCENT	-15.9 PERCENT	50.0 PERCENT
5.	155.	9820.	-2.67	-2.65	-1.58	-0.79	9.59
1000.	155.	8900.	-2.84	-2.95	-2.18	-1.03	0.11
2000.	155.	7860.	-3.02	-3.21	-2.59	-1.73	-0.37
3000.	155.	6690.	-3.64	-3.78	-3.08	-2.10	-0.70
4000.	155.	6030.	-4.12	-4.29	-3.66	-2.54	-1.11
5000.	155.	5240.	-4.90	-5.08	-4.72	-3.27	-1.27
6000.	155.	4520.	-6.02	-6.24	-5.41	-3.74	-1.66
7000.	155.	3870.	-7.04	-7.88	-6.68	-4.30	-1.91
8000.	155.	3230.	-8.52	-8.79	-7.97	-5.22	-2.75
9000.	155.	2660.	-9.32	-9.24	-8.28	-5.73	-2.87
10000.	155.	2450.	-9.26	-9.63	-8.52	-6.30	-3.70
11000.	155.	2100.	-9.29	-9.50	-8.64	-6.51	-4.32
12000.	155.	1800.	-9.09	-9.34	-8.08	-6.82	-4.55
13000.	155.	1535.	-9.17	-9.47	-7.99	-6.80	-4.44
14000.	155.	1310.	-9.34	-9.69	-8.30	-6.57	-4.50
15000.	155.	1115.	-9.72	-10.12	-8.91	-6.88	-4.45
16000.	147.	945.	-10.43	-10.90	-8.06	-6.64	-4.74
17000.	147.	798.	-11.52	-11.64	-8.43	-6.76	-4.77
18000.	146.	674.	-12.58	-12.71	-8.95	-6.74	-5.06
19000.	146.	568.	-13.81	-13.96	-9.86	-6.58	-5.16
20000.	140.	479.	-15.07	-15.07	-11.35	-7.27	-5.50
21000.	114.	404.	-16.18	-16.18	-11.93	-7.26	-5.19
22000.	106.	361.	-17.38	-17.50	-10.19	-7.16	-5.34
23000.	94.	306.	-18.11	-18.33	-10.76	-7.38	-4.96
24000.	80.	260.	-19.76	-19.93	-10.78	-7.46	-5.31
25000.	65.	221.	-14.17	-14.37	-10.49	-7.77	-4.47
26000.	51.	197.	-10.66	-10.88	-10.20	-7.71	-4.31
27000.	36.	169.	-13.58	-10.85	-10.58	-7.41	-3.44

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMSC (AUSA) Form 600-1, 27 Sep 61 (One-Time)

Table IV (1)

FREQUENCY DISTRIBUTIONS OF PRESSURE									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
January		Percent Deviation from AMS Model Atmosphere, 1959							
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY							
		59.0 PERCENT	34.1 PERCENT	97.72 PERCENT	95.86 PERCENT	RELATED PRESSURE	RELATIVE LESION		
5.	155.	1.29	1.58	2.09	2.58	10350	2.58		
1000.	155.	0.55	1.03	1.75	2.07	9350	2.07		
2000.	155.	0.12	0.62	1.23	1.48	8250	1.48		
3000.	155.	-0.14	3.42	1.12	1.54	7250	1.54		
4000.	155.	-0.32	0.16	0.95	1.59	6350	1.59		
5000.	155.	-0.54	0.18	1.27	1.81	5650	1.81		
6000.	155.	-0.83	0.00	1.25	1.87	4950	1.87		
7000.	155.	-1.19	-0.54	1.19	1.51	4250	1.51		
8000.	155.	-1.65	-0.55	1.10	1.35	3750	1.35		
9000.	155.	-2.23	-0.96	0.96	1.59	3150	1.59		
10000.	155.	-2.59	-1.48	0.74	1.48	2750	1.48		
11000.	155.	-3.24	-1.51	0.43	1.30	2550	1.30		
12000.	155.	-3.54	-2.17	0.00	1.01	2350	1.01		
13000.	155.	-3.55	-2.37	-0.89	0.30	1950	0.30		
14000.	155.	-3.81	-2.17	-1.04	0.00	1750	0.00		
15000.	155.	-3.64	-2.42	-1.21	0.00	1750	0.00		
16000.	147.	-3.79	-2.84	-0.95	0.00	1650	0.00		
17000.	147.	-3.88	-2.66	-0.78	-0.44	1550	-0.44		
18000.	146.	-4.15	-2.85	-0.35	-0.39	1550	-0.39		
19000.	146.	-4.40	-2.73	-0.61	0.15	1550	0.15		
20000.	140.	-4.61	-2.48	-0.35	0.71	1550	0.71		
21000.	114.	-3.84	-1.87	0.10	1.76	1550	1.76		
22000.	106.	-4.00	-1.58	0.73	2.55	1550	2.55		
23000.	94.	-3.83	-1.42	2.13	3.55	1550	3.55		
24000.	80.	-3.15	-0.50	3.48	4.81	1550	4.81		
25000.	65.	-2.14	0.39	5.05	6.80	1550	6.80		
26000.	51.	-2.27	1.17	6.58	7.71	1550	7.71		
27000.	36.	-1.59	2.12	8.73	8.99	1550	8.99		

Notes: When less than 30 observations were available, frequency distribution data were excluded.

AMS (Miles) from 600-1, 27 Sep 61 (One-Time)

Table IV (2)

Table IV (17)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1959

FREQUENCY

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	141.	9640.	-4.45	-4.46	-1.99	-0.50	0.29
1000.	141.	8740.	-4.59	-4.69	-2.18	-1.31	-0.22
2000.	141.	7730.	-4.69	-4.81	-3.33	-1.57	-0.86
3000.	141.	6820.	-4.62	-4.76	-4.06	-2.66	-1.26
4000.	141.	5970.	-5.09	-5.25	-4.77	-3.34	-1.75
5000.	141.	5170.	-6.17	-6.35	-5.63	-3.99	-2.18
6000.	141.	4460.	-7.28	-7.48	-6.65	-4.57	-2.49
7000.	141.	3820.	-8.63	-9.07	-7.88	-5.49	-2.86
8000.	141.	3270.	-10.16	-10.44	-9.07	-6.99	-3.85
9000.	140.	2810.	-10.51	-10.83	-9.24	-7.32	-4.46
10000.	140.	2420.	-10.37	-10.74	-9.63	-7.76	-4.81
11000.	140.	2075.	-10.37	-10.58	-9.72	-7.99	-5.40
12000.	140.	1790.	-9.60	-9.85	-9.34	-7.58	-5.56
13000.	140.	1535.	-9.17	-9.47	-8.88	-7.40	-5.33
14000.	140.	1315.	-9.00	-9.34	-8.65	-7.61	-5.54
15000.	140.	1125.	-8.91	-9.31	-8.91	-7.69	-4.86
16000.	140.	960.	-9.00	-9.48	-9.00	-7.11	-5.21
17000.	140.	812.	-9.98	-10.09	-9.42	-7.21	-4.99
18000.	140.	691.	-10.38	-10.51	-10.25	-7.13	-5.32
19000.	140.	585.	-11.23	-11.38	-10.93	-7.28	-5.61
20000.	133.	498.	-11.79	-11.79	-11.61	-7.45	-5.67
21000.	103.	422.	-12.45	-12.55	-12.14	-7.68	-5.39
22000.	91.	358.	-13.11	-13.23	-12.14	-8.01	-4.85
23000.	78.	310.	-12.06	-12.20	-11.06	-7.66	-4.68
24000.	67.	266.	-11.77	-11.94	-11.44	-7.96	-4.31
25000.	57.	227.	-11.84	-12.04	-11.26	-8.16	-3.69
26000.	51.	194.	-12.24	-12.47	-12.24	-7.16	-3.40
27000.	33.	173.	-8.47	-8.73	-8.47	-6.06	-2.38

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (ASMA) Form 600-1, 27 Sep 61 (One-Time)

Table IV (2)

FREQUENCY DISTRIBUTIONS OF PRESSURE									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
PERMANENT		Percent Deviation from AMS Model Atmosphere, 1959							
CUMULATIVE PERCENTAGE FREQUENCY									
ALTITUDE METERS	NO. OBS.	65.0 PERCENT	34.1 PERCENT	97.72 PERCENT	95.865 PERCENT	PA. INLP PRESSURE	RELATIVE LEVITATION		
5.	141.	0.90	1.79	2.88	3.18	10410.	3.18		
1000.	141.	0.44	1.42	2.51	2.73	9410.	2.73		
2030.	141.	-0.12	1.11	2.10	2.59	8410.	2.59		
3000.	141.	-0.42	1.12	1.96	2.66	7340.	2.66		
4000.	141.	-0.79	0.95	1.91	2.54	6450.	2.54		
5000.	141.	-1.09	0.51	2.18	2.72	5600.	2.72		
6030.	141.	-1.25	0.62	2.49	2.70	4840.	2.70		
7000.	141.	-1.67	0.24	2.15	2.39	4350.	2.39		
8030.	141.	-2.20	0.00	1.92	2.47	3730.	2.47		
9000.	140.	-2.23	-0.32	1.91	2.55	3220.	2.55		
10030.	140.	-2.96	-0.74	1.85	2.22	2760.	2.22		
11000.	140.	-3.24	-1.08	1.73	2.38	2370.	2.38		
12030.	140.	-3.54	-1.52	1.26	2.02	2030.	2.02		
13000.	140.	-3.55	-1.78	0.59	1.18	1710.	1.18		
14000.	140.	-3.46	-2.08	0.00	0.69	1410.	0.69		
15000.	140.	-3.24	-2.62	0.00	0.40	1240.	0.40		
16030.	140.	-3.32	-1.90	-0.47	0.00	1055.	0.00		
17000.	140.	-3.44	-2.22	-0.55	0.00	800.	0.00		
18000.	140.	-3.76	-2.68	-0.52	-0.13	570.	-0.13		
19050.	140.	-3.95	-2.12	-0.61	0.00	350.	0.00		
20030.	133.	-4.08	-2.17	-0.71	0.00	160.	0.00		
21000.	103.	-3.84	-1.76	-0.41	0.41	480.	0.41		
22030.	91.	-3.52	-1.70	-0.36	0.85	16.	0.85		
23000.	78.	-2.84	-0.14	0.00	1.70	330.	1.70		
24000.	67.	-2.65	-1.66	0.00	2.49	300.	2.49		
25000.	57.	-2.33	-1.17	0.00	0.19	220.	0.19		
26030.	51.	-2.27	-1.12	0.23	0.45	120.	0.45		
27000.	33.	-1.85	-0.79	0.26	0.53	100.	0.53		

Data: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) from 600-1, 27 Aug 61 (One-Time)

Table IV (5)

1822 10/1/77

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1959

MARCH

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT	50.0 PERCENT
0.	155.	9860.	-2.27	-2.28	-1.28	-0.49	0.30
1000.	155.	8940.	-2.40	-2.51	-1.75	-0.76	0.00
2000.	155.	7880.	-2.64	-2.96	-2.47	-1.36	-0.37
3000.	155.	6910.	-3.36	-3.50	-2.80	-1.62	-0.70
4000.	155.	6050.	-3.62	-3.97	-3.66	-2.36	-1.11
5000.	155.	5250.	-4.72	-4.90	-4.72	-3.09	-1.27
6000.	155.	4520.	-6.02	-6.24	-5.61	-3.53	-1.66
7000.	155.	3870.	-7.64	-7.88	-6.68	-4.30	-2.15
8000.	155.	3320.	-8.79	-9.07	-7.97	-5.22	-2.75
9000.	155.	2860.	-8.52	-9.24	-8.28	-5.73	-3.18
10000.	155.	2450.	-9.26	-9.63	-8.52	-6.30	-3.70
11000.	155.	2100.	-9.29	-9.50	-8.66	-6.46	-3.89
12000.	155.	1805.	-8.84	-9.09	-8.33	-6.31	-4.55
13000.	155.	1545.	-8.58	-8.88	-7.99	-5.52	-4.44
14000.	155.	1320.	-8.65	-9.00	-7.96	-5.88	-4.15
15000.	155.	1125.	-8.51	-9.31	-8.50	-6.07	-4.05
16000.	131.	965.	-8.53	-9.00	-8.06	-5.69	-3.79
17000.	123.	822.	-8.67	-8.98	-8.31	-5.54	-3.55
18000.	123.	702.	-8.55	-9.08	-8.43	-5.56	-3.50
19000.	123.	599.	-9.10	-9.26	-8.65	-5.77	-3.64
20000.	121.	510.	-9.57	-9.75	-8.69	-5.85	-3.90
21000.	93.	439.	-8.92	-9.02	-7.88	-5.50	-3.53
22000.	89.	377.	-8.62	-8.74	-8.01	-5.70	-3.52
23000.	77.	323.	-8.51	-8.65	-8.23	-5.82	-3.26
24000.	66.	276.	-8.46	-8.62	-8.13	-5.80	-2.82
25000.	50.	234.	-9.13	-9.32	-8.74	-5.24	-1.75
26000.	40.	199.	-9.98	-10.20	-9.98	-4.31	-1.13
27000.	30.	180.	-4.76	-5.03	-4.76	-1.85	-0.79

Note: When less than 30 observations were available, frequency distribution data were excluded.

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Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) Form 600-1, 27 Sep 61 (One-Time)

Table IV (3)

FORM 51-127

FREQUENCY DISTRIBUTIONS OF PRESSURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

MARCH

Percent Deviation from AMSL Model Atmosphere, 1979

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	68-U PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM PRESSURE	RELATIVE DEVIATION
5.	155.	0.60	0.59	1.88	1.59	10250.	1.99
1000.	155.	0.33	0.55	1.31	1.53	9500.	1.53
2000.	155.	-0.12	0.25	0.86	1.23	8210.	1.23
3000.	155.	-0.28	0.14	0.84	1.26	7240.	1.26
4000.	155.	-0.64	-0.16	0.79	1.43	6380.	1.43
5000.	155.	-0.73	0.00	0.91	2.00	5620.	2.00
6000.	155.	-1.04	-0.21	1.04	2.29	4920.	2.29
7000.	155.	-1.43	-0.48	0.95	2.15	4280.	2.15
8000.	155.	-1.92	-0.82	0.82	1.92	3710.	1.92
9000.	155.	-2.23	-0.96	0.64	1.91	3200.	1.91
10000.	155.	-2.96	-1.48	0.00	1.85	2800.	1.85
11000.	155.	-3.24	-2.16	-0.22	1.51	2350.	1.51
12000.	155.	-3.54	-2.53	-0.76	1.26	2000.	1.26
13000.	155.	-3.25	-2.66	-1.48	0.59	1700.	0.59
14000.	155.	-3.46	-2.42	-1.38	-0.35	1440.	-0.35
15000.	155.	-3.24	-2.43	-1.62	-0.81	1225.	-0.81
16000.	131.	-2.84	-2.37	-1.42	-0.95	1045.	-0.95
17000.	123.	-2.88	-2.22	-1.33	-1.11	852.	-1.11
18000.	123.	-2.98	-2.20	-1.04	-0.65	766.	-0.65
19000.	123.	-2.88	-2.12	-0.76	-0.30	657.	-0.30
20000.	121.	-2.66	-1.55	-0.71	-0.18	503.	-0.18
21000.	93.	-2.39	-1.66	-0.31	0.10	483.	0.10
22000.	89.	-2.06	-1.21	-0.24	0.36	414.	0.36
23000.	77.	-1.99	-1.13	0.00	0.43	354.	0.43
24000.	66.	-1.66	-0.50	0.50	0.66	304.	0.66
25000.	50.	-0.97	-0.39	0.58	1.36	261.	1.36
26000.	40.	-0.68	0.00	2.04	2.27	226.	2.27
27000.	30.	-0.26	0.26	2.91	3.17	155.	3.17

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMSL) From 600-1, 27 Sep 61 (One-Time)

Table IV (4)

Table 29 (1979)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1974 - February 1979

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1979

APRIL

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT	50.0 PERCENT
5.	150.	9920.	-1.68	-1.69	-1.28	-0.40	0.40
1000.	150.	9000.	-1.75	-1.86	-1.42	-0.55	0.11
2000.	150.	7920.	-2.34	-2.47	-1.73	-0.66	-0.23
3000.	150.	6940.	-2.54	-3.08	-1.96	-1.26	-0.56
4000.	150.	6070.	-3.50	-3.66	-2.70	-1.59	-0.79
5000.	150.	5270.	-4.36	-4.54	-3.45	-2.00	-0.91
6000.	150.	4560.	-5.20	-5.41	-4.16	-2.49	-1.25
7000.	150.	3920.	-6.44	-6.68	-5.01	-3.10	-1.67
8000.	150.	3350.	-7.97	-8.24	-6.32	-3.85	-2.20
9000.	150.	2880.	-8.28	-8.60	-6.69	-4.46	-2.55
10000.	150.	2460.	-8.69	-9.26	-7.04	-5.19	-2.96
11000.	150.	2110.	-8.86	-9.07	-7.34	-5.46	-3.24
12000.	150.	1810.	-8.59	-8.84	-7.32	-5.30	-3.54
13000.	150.	1550.	-8.28	-8.58	-7.10	-4.73	-3.25
14000.	150.	1330.	-7.96	-8.30	-6.57	-4.64	-3.11
15000.	150.	1140.	-7.69	-8.10	-6.88	-4.45	-2.83
16000.	136.	975.	-7.58	-8.06	-7.11	-3.79	-2.37
17000.	129.	832.	-7.76	-7.87	-7.34	-3.85	-2.22
18000.	124.	709.	-9.04	-8.17	-7.52	-3.76	-1.95
19000.	122.	602.	-8.65	-8.80	-7.89	-3.79	-1.82
20000.	122.	511.	-9.40	-9.57	-8.69	-4.26	-1.95
21000.	83.	437.	-9.34	-9.44	-8.09	-3.63	-1.04
22000.	80.	371.	-9.95	-10.07	-7.04	-3.64	-0.85
23000.	71.	315.	-10.64	-10.78	-6.81	-3.69	-0.43
24000.	61.	269.	-10.95	-11.11	-6.80	-3.61	-0.33
25000.	48.	230.	-10.68	-10.87	-6.41	-1.75	0.19
26000.	38.	210.	-4.76	-4.99	-4.76	-0.68	0.45
27000.	35.	180.	-4.76	-5.03	-4.76	-0.79	0.53
28000.	32.	154.	-5.23	-5.54	-5.23	-0.92	0.31

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) From 600-1, 27 Sep 61 (One-Time)

Table IV (b)

FREQUENCY DISTRIBUTIONS OF PRESSURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
APRIL		Percent Deviation from AMS Model Atmosphere, 1959				
CUMULATIVE PERCENTAGE FREQUENCY						
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	150.	0.69	0.90	1.39	1.59	1.59
1000.	150.	0.44	0.66	1.20	1.42	1.42
2000.	150.	0.00	0.37	1.11	1.36	1.36
3000.	150.	-0.14	0.28	1.26	1.54	1.54
4000.	150.	-0.48	0.00	1.11	1.75	1.75
5000.	150.	-0.36	0.00	1.09	2.18	2.18
6000.	150.	-0.62	-0.21	1.04	2.49	2.49
7000.	150.	-0.95	-0.24	1.19	2.39	2.39
8000.	150.	-1.37	-0.82	0.82	2.20	2.20
9000.	150.	-1.91	-0.56	0.96	2.55	2.55
10000.	150.	-2.22	-1.11	0.74	2.22	2.22
11000.	150.	-2.59	-1.30	0.43	2.16	2.16
12000.	150.	-2.78	-1.52	0.25	1.77	1.77
13000.	150.	-2.37	-1.48	0.59	1.48	1.48
14000.	150.	-2.42	-1.04	0.69	1.38	1.38
15000.	150.	-2.02	-0.81	0.81	1.21	1.21
16000.	136.	-1.90	-0.95	0.95	1.42	1.42
17000.	129.	-1.33	-0.33	1.22	1.66	1.66
18000.	124.	-1.04	-0.13	1.30	1.69	1.69
19000.	122.	-0.91	0.00	1.37	1.97	1.97
20000.	122.	-1.06	0.00	1.24	1.95	1.95
21000.	83.	-0.31	0.31	1.56	1.97	1.97
22000.	80.	-0.24	0.49	1.70	1.94	1.94
23000.	71.	0.00	0.85	1.84	1.99	1.99
24000.	61.	0.17	1.00	2.16	2.49	2.49
25000.	48.	0.78	1.55	2.72	3.11	3.11
26000.	38.	1.13	1.81	3.17	3.40	3.40
27000.	35.	1.06	1.85	3.70	3.70	3.70
28000.	32.	0.92	1.85	3.08	3.69	3.69

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (MSM) Form 600-1, 27 Sep 61 (One-time)

Table IV (2)

Table IV (2)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMC Model Atmosphere, 1959

MAY

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	155.	9950.	-1.38	-1.39	-0.99	-0.20	0.39
1000.	155.	9040.	-1.31	-1.42	-0.87	-0.11	0.44
2000.	155.	8060.	-1.36	-1.48	-1.23	-0.25	0.37
3000.	155.	7030.	-1.68	-1.82	-1.26	-0.28	0.42
4000.	155.	6150.	-2.23	-2.38	-1.59	-0.64	0.32
5000.	155.	5350.	-2.90	-3.09	-2.00	-0.94	0.54
6000.	155.	4650.	-3.33	-3.53	-2.29	-0.62	0.62
7000.	155.	4030.	-3.82	-4.06	-2.63	-0.95	0.72
8000.	155.	3480.	-4.40	-4.67	-3.30	-1.10	0.27
9000.	155.	2990.	-4.78	-5.10	-3.50	-1.55	0.32
10000.	155.	2570.	-4.81	-5.19	-4.07	-1.85	0.00
11000.	155.	2210.	-4.54	-4.75	-3.67	-1.94	0.00
12000.	155.	1900.	-4.04	-4.29	-3.54	-1.77	0.00
13000.	155.	1635.	-3.25	-3.55	-3.25	-1.75	0.30
14000.	155.	1405.	-2.77	-3.11	-2.77	-1.38	0.35
15000.	155.	1205.	-2.43	-2.83	-2.02	-1.21	0.40
16000.	155.	1030.	-2.37	-2.84	-1.90	-0.95	0.47
17000.	112.	884.	-2.00	-2.11	-1.44	-0.55	1.00
18000.	107.	758.	-1.69	-1.82	-1.17	-0.26	1.04
19000.	103.	649.	-1.52	-1.67	-1.06	0.00	1.21
20000.	95.	556.	-1.42	-1.60	-1.06	0.00	1.77
21000.	78.	476.	-1.35	-1.45	-1.14	0.41	2.59
22000.	74.	408.	-1.09	-1.21	-0.97	0.73	2.91
23000.	72.	350.	-0.85	-1.13	-0.85	0.85	3.26
24000.	67.	300.	-0.66	-0.83	-0.66	1.16	3.48
25000.	56.	257.	-0.39	-0.58	-0.58	1.55	3.50
26000.	43.	220.	-0.45	-0.68	-0.68	1.61	4.08
27000.	41.	189.	-0.26	-0.53	-0.53	2.38	4.23
28000.	32.	166.	1.65	1.54	1.85	3.08	5.85

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (AMMA) Form 600-1, 27 Sep 61 (one-time)

Table IV (2)

FREQUENCY DISTRIBUTIONS OF PRESSURE						
Period of Observation: March 1954 - February 1959						
Percent Deviation from AMS Model Atmosphere, 1959						
RELATIVE PERCENTAGE FREQUENCY						
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.805 PERCENT	RELATIVE PRESSURE
5.	155.	0.60	0.59	1.48	1.79	10230.
1000.	155.	0.66	0.58	1.42	1.75	9220.
2000.	155.	0.62	0.59	1.36	1.60	8240.
3000.	155.	0.84	1.46	1.68	1.96	7290.
4000.	155.	0.79	1.43	1.91	2.23	6430.
5000.	155.	1.09	1.81	2.54	2.72	5660.
6000.	155.	1.04	1.87	3.12	3.33	4970.
7000.	155.	1.19	2.12	3.34	3.58	4340.
8000.	155.	1.10	1.62	3.57	3.85	3780.
9000.	155.	0.96	2.32	3.82	4.46	3280.
10000.	155.	0.74	2.22	4.07	4.81	2830.
11000.	155.	0.86	2.88	4.54	4.97	2430.
12000.	155.	0.76	2.57	4.55	5.05	2180.
13000.	155.	1.18	2.37	4.14	5.03	1790.
14000.	155.	1.38	2.42	3.81	4.84	1510.
15000.	155.	1.62	2.42	4.05	4.86	1250.
16000.	155.	1.90	2.37	4.27	4.74	1100.
17000.	112.	2.44	3.44	4.55	4.88	940.
18000.	107.	2.72	3.63	4.93	5.06	810.
19000.	103.	2.88	3.55	4.86	5.16	690.
20000.	95.	3.01	3.50	4.61	5.14	590.
21000.	78.	3.73	4.46	4.98	5.60	500.
22000.	74.	4.00	4.72	5.22	5.34	430.
23000.	72.	4.26	4.56	5.39	5.53	370.
24000.	67.	4.64	5.31	5.84	5.80	310.
25000.	56.	5.05	6.02	6.60	6.80	270.
26000.	43.	5.90	6.35	7.03	7.26	230.
27000.	41.	6.35	6.88	7.67	7.67	200.
28000.	32.	6.77	7.38	8.00	8.00	170.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600-1, 27 Sep 61 (One-Time)

Table IV (6)

TABLE IV (C)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1959

JUNE

CUMULATIVE PRESSURE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	150.	9930.	-1.52	-1.59	-1.00	-0.25	0.30
1000.	150.	9010.	-1.64	-1.75	-0.87	-0.11	0.44
2000.	150.	7970.	-1.73	-1.85	-0.74	0.00	0.62
3000.	150.	7050.	-1.80	-1.94	-0.42	0.00	0.70
4000.	150.	6210.	-1.27	-1.43	-0.48	0.16	0.95
5000.	150.	5460.	-0.91	-1.09	-0.36	0.54	1.45
6000.	150.	4760.	-1.04	-1.25	-0.62	0.62	1.66
7000.	150.	4120.	-1.67	-1.91	-0.72	0.72	1.91
8000.	150.	3550.	-2.47	-2.75	-1.10	0.55	1.92
9000.	150.	3060.	-2.55	-2.87	-1.27	0.64	2.23
10000.	150.	2630.	-2.59	-2.96	-1.85	0.37	2.22
11000.	150.	2265.	-2.16	-2.38	-1.51	0.65	2.59
12000.	150.	1950.	-1.52	-1.77	-1.26	0.76	2.53
13000.	150.	1670.	-1.12	-1.48	-0.89	1.48	2.66
14000.	150.	1440.	-0.75	-0.69	-0.35	1.73	2.77
15000.	149.	1235.	0.00	-0.40	0.00	1.62	2.83
16000.	149.	1055.	0.00	-0.47	0.00	1.90	3.32
17000.	149.	906.	0.44	0.22	0.55	2.22	3.66
18000.	149.	775.	0.52	0.39	0.78	2.33	3.89
19000.	149.	663.	0.61	0.46	0.91	2.56	3.95
20000.	149.	567.	0.53	0.35	1.06	2.66	3.90
21000.	139.	486.	0.73	0.62	1.35	2.50	4.46
22000.	131.	416.	0.85	0.73	0.97	3.03	4.73
23000.	128.	356.	0.59	0.85	1.13	3.40	4.96
24000.	121.	305.	1.16	1.00	1.82	3.61	5.47
25000.	111.	261.	1.36	1.17	2.14	4.27	6.21
26000.	95.	225.	1.81	1.59	2.27	4.54	6.35
27000.	81.	192.	1.59	1.32	2.12	4.76	6.88
28000.	65.	165.	1.54	1.23	2.15	4.52	7.08
29000.	49.	143.	1.79	1.07	2.14	4.64	7.50
30000.	31.	123.	1.24	0.83	1.24	5.37	7.85

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600-1, 27 Sep 61 (One-Time)

Table IV (6)

Table IV (6)

FREQUENCY DISTRIBUTIONS OF PRESSURE

YUMBA, Austria

Period of Observation: March 1954 - February 1959

JMS

Percent Deviation from AMS Model Atmosphere, 1959

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAJ: IRLP PRESSURE	RELATIVE DEVIATION
5.	150.	0.59	0.89	1.29	1.49	10240.	1.49
1000.	150.	0.66	0.98	1.53	1.75	9340.	1.75
2000.	150.	0.86	1.11	1.85	2.10	8440.	2.10
3000.	150.	1.12	1.40	2.24	2.80	7350.	2.80
4000.	150.	1.43	1.75	2.86	3.34	6510.	3.34
5000.	150.	1.81	2.18	3.27	3.81	5740.	3.81
6000.	150.	2.49	2.70	3.95	4.57	5030.	4.57
7000.	150.	2.39	2.66	4.30	4.77	4350.	4.77
8000.	150.	2.47	3.30	4.67	5.22	3830.	5.22
9000.	150.	3.18	3.62	5.41	5.73	3340.	5.73
10000.	150.	3.33	3.70	6.30	6.67	2880.	6.67
11000.	150.	3.46	4.10	6.70	7.13	2480.	7.13
12000.	150.	3.54	4.29	6.57	7.32	2150.	7.32
13000.	150.	3.85	4.44	6.51	7.40	1815.	7.40
14000.	150.	3.81	4.50	6.23	6.92	1545.	6.92
15000.	149.	4.05	4.66	6.07	6.88	1320.	6.88
16000.	149.	4.27	4.74	6.16	6.64	1115.	6.64
17000.	149.	4.43	5.21	6.43	6.87	914.	6.87
18000.	149.	4.67	5.45	6.49	6.87	824.	6.87
19000.	149.	4.86	5.46	6.68	7.13	766.	7.13
20000.	149.	4.79	5.67	6.74	7.09	604.	7.09
21000.	139.	5.29	5.91	6.85	7.37	518.	7.37
22000.	131.	5.58	6.07	7.16	7.65	444.	7.65
23000.	128.	5.82	6.52	7.52	8.09	381.	8.09
24000.	121.	6.30	6.97	8.13	8.46	327.	8.46
25000.	111.	6.99	7.56	8.74	9.32	282.	9.32
26000.	95.	7.26	7.71	9.30	9.75	242.	9.75
27000.	81.	7.67	8.47	10.05	10.32	203.	10.32
28000.	65.	8.00	9.62	10.46	10.77	166.	10.77
29000.	49.	8.21	8.93	10.71	11.07	156.	11.07
30000.	31.	8.26	9.09	10.33	10.74	134.	10.74

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) From 600-1, 27 Sep 61 (One-Time)

Table IV (7)

		FREQUENCY DISTRIBUTIONS OF PRESSURE					
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
JULY		Percent Deviation from AMC Model Atmosphere, 1959					
		CORRELATIVE PERCENTAGE FREQUENCY					
ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.125 PERCENT	2.28 PERCENT	15.8 PERCENT	50.0 PERCENT
5.	155.	9990.	-0.00	-1.00	-0.09	-0.33	0.29
1000.	155.	9090.	-0.36	-0.87	-0.55	-0.11	0.44
2000.	155.	8050.	-0.74	-0.86	-0.37	0.00	0.62
3000.	155.	7110.	-0.56	-0.70	-0.28	0.14	0.84
4000.	155.	6250.	-0.48	-0.64	-0.32	0.16	1.11
5000.	155.	5500.	-0.18	-0.36	0.00	0.73	1.63
6000.	155.	4790.	-0.42	-0.62	0.00	0.83	1.87
7000.	155.	4170.	-0.48	-0.72	0.00	0.55	2.15
8000.	155.	3600.	-1.10	-1.37	-0.27	0.82	2.47
9000.	155.	3100.	-1.27	-1.59	0.00	0.56	2.87
10000.	155.	2680.	-0.74	-1.11	0.00	1.11	2.96
11000.	155.	2315.	0.00	-0.22	0.43	1.30	3.24
12000.	155.	1995.	0.76	0.51	0.76	2.02	3.54
13000.	155.	1715.	1.48	1.18	1.48	2.66	4.14
14000.	155.	1475.	2.08	1.73	2.08	3.11	4.50
15000.	155.	1265.	2.42	2.02	2.42	3.24	4.45
16000.	155.	1080.	2.37	1.90	2.37	3.32	4.74
17000.	155.	926.	2.66	2.55	2.99	3.55	4.88
18000.	155.	791.	2.59	2.46	3.11	4.15	5.06
19000.	155.	677.	2.72	2.58	3.34	4.25	5.16
20000.	155.	579.	2.66	2.48	3.37	4.43	5.14
21000.	148.	499.	3.22	3.42	3.64	4.77	5.81
22000.	138.	425.	4.00	3.88	4.25	5.22	6.07
23000.	134.	368.	4.26	4.11	4.54	5.35	6.24
24000.	133.	316.	4.84	4.48	4.98	5.80	6.80
25000.	130.	271.	5.05	4.55	5.63	6.60	7.57
26000.	125.	233.	5.44	5.22	5.90	7.03	7.94
27000.	112.	200.	5.42	5.56	6.35	7.41	8.73
28000.	87.	173.	6.15	5.85	6.46	7.65	8.92
29000.	68.	149.	6.42	6.07	6.79	7.86	9.29

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (AMM) Form 600-1, 27 Sep 61 (One-Time)

Table IV (7)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

Percent Deviation from AMC Model Atmosphere, 1959

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	68.0 PERCENT	97.72 PERCENT	99.865 PERCENT	MEAN PRESSURE	RELATIVE DEVIATION
5.	155.	0.40	1.19	1.20	10210.	1.20
100.	155.	0.66	1.31	1.31	9230.	1.31
200.	155.	0.99	1.60	1.85	8460.	1.85
300.	155.	1.26	2.38	2.66	7740.	2.66
400.	155.	1.59	3.02	3.34	7100.	3.34
500.	155.	2.00	3.63	3.99	6500.	3.99
600.	155.	2.70	4.37	4.78	5940.	4.78
700.	155.	2.86	4.77	5.73	5430.	5.73
800.	155.	3.02	5.22	6.04	4960.	6.04
900.	155.	3.50	6.05	6.69	4530.	6.69
1000.	155.	4.07	7.04	7.78	4130.	7.78
1100.	155.	4.32	7.78	8.21	3760.	8.21
1200.	155.	4.80	8.08	8.59	3410.	8.59
1300.	155.	5.03	8.58	9.17	3080.	9.17
1400.	155.	5.19	8.90	9.34	2760.	9.34
1500.	155.	5.26	9.10	9.31	2460.	9.31
1600.	155.	5.21	8.06	9.00	2180.	9.00
1700.	155.	5.54	8.43	8.58	1930.	8.58
1800.	155.	5.71	8.43	8.82	1690.	8.82
1900.	155.	5.77	8.35	8.95	1460.	8.95
2000.	155.	5.85	8.33	8.87	1240.	8.87
2100.	148.	6.33	8.71	8.92	1030.	8.92
2200.	138.	6.80	8.98	9.22	830.	9.22
2300.	134.	7.23	9.36	9.65	630.	9.65
2400.	133.	7.79	9.95	10.12	430.	10.12
2500.	130.	8.54	10.68	10.67	230.	10.67
2600.	125.	9.07	11.11	11.79	30.	11.79
2700.	112.	9.52	11.64	11.90	247.	11.90
2800.	87.	9.85	12.00	12.31	182.	12.31
2900.	68.	10.00	12.14	12.50	159.	12.50

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (AMM) Form 600-1, 27 Sep 61 (one-time)

Table IV (B)

FORM 10-10

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMSL Mean Atmospheric Pressure, 1959

Altitude

Cumulative Percentage Frequency

Altitude Meters	No. Obs.	Minimum Pressure	Relative Deviation	.135 Percent	2.38 Percent	15.5 Percent	50.0 Percent
5.	155.	9970.	-1.18	-1.19	-0.99	-0.35	0.39
1000.	155.	9080.	-3.87	-0.98	-0.66	0.00	0.95
2000.	155.	8040.	-0.66	-0.99	-0.49	0.25	0.62
3000.	155.	7090.	-0.84	-0.98	-0.28	0.28	0.98
4000.	155.	6240.	-0.79	-0.95	-0.32	0.48	1.27
5000.	155.	5430.	-3.54	-0.73	0.00	0.73	1.63
6000.	155.	4780.	-0.62	-0.83	0.00	1.04	2.29
7000.	155.	4170.	-3.46	-0.72	0.00	1.15	2.39
8000.	155.	3620.	-3.15	-0.82	-0.27	1.10	2.47
9000.	155.	3120.	-0.64	-0.96	-0.32	1.27	2.87
10000.	155.	2680.	-0.74	-1.11	-0.37	1.48	2.96
11000.	155.	2300.	-0.65	-0.86	0.00	1.51	3.46
12000.	155.	1980.	0.00	-0.25	0.25	1.77	3.54
13000.	155.	1700.	3.59	0.30	0.89	2.57	4.14
14000.	155.	1460.	1.04	0.69	1.38	2.77	4.15
15000.	155.	1255.	1.62	1.21	2.02	3.24	4.45
16000.	155.	1075.	1.50	1.42	2.37	3.32	4.27
17000.	155.	940.	2.00	1.88	2.88	3.88	4.77
18000.	155.	788.	2.20	2.08	2.98	4.15	4.93
19000.	155.	676.	2.58	2.43	3.19	4.25	5.01
20000.	155.	579.	2.66	2.48	3.19	4.26	5.14
21000.	138.	497.	3.01	2.90	3.53	4.77	5.81
22000.	124.	426.	3.28	3.16	3.88	4.85	6.07
23000.	119.	385.	3.55	3.40	3.97	4.96	6.52
24000.	111.	313.	3.61	3.65	3.98	5.31	6.80
25000.	105.	259.	4.27	4.08	4.27	6.02	7.38
26000.	98.	231.	4.54	4.31	4.76	6.55	7.71
27000.	93.	199.	5.02	4.76	5.03	6.61	8.47
28000.	60.	171.	4.82	4.62	5.23	6.77	8.31
29000.	44.	147.	5.00	4.64	5.00	6.79	8.57

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (ASMA) Form 600-1, 27 Sep 61 (Rev-51m)

Table IV (8)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

Percent Deviation from AMS Model Atmosphere, 1959

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	60.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	155.	0.50	0.80	1.28	1.49	1.49
1000.	155.	0.66	0.98	1.53	1.64	1.64
2000.	155.	0.86	1.23	1.73	1.97	1.97
3000.	155.	1.26	1.54	2.10	2.38	2.38
4000.	155.	1.43	1.81	2.54	3.18	3.18
5000.	155.	2.18	2.54	3.09	3.81	3.81
6000.	155.	2.70	3.12	3.95	4.57	4.57
7000.	155.	2.86	3.34	4.30	5.25	5.25
8000.	155.	3.30	3.85	4.67	5.49	5.49
9000.	155.	3.62	4.46	5.41	6.37	6.37
10000.	155.	4.07	4.81	6.30	7.04	7.04
11000.	155.	4.32	5.40	6.70	7.78	7.78
12000.	155.	4.80	5.81	7.07	8.08	8.08
13000.	155.	5.03	5.82	7.40	8.28	8.28
14000.	155.	5.19	5.88	7.61	8.50	8.50
15000.	155.	4.86	5.67	7.69	8.10	8.10
16000.	155.	4.74	5.63	7.11	8.06	8.06
17000.	155.	5.21	5.99	7.76	8.31	8.31
18000.	155.	5.45	5.10	7.65	8.50	8.50
19000.	155.	5.46	5.77	7.74	8.50	8.50
20000.	155.	5.67	6.16	7.80	8.69	8.69
21000.	138.	6.22	5.95	8.40	9.02	9.02
22000.	124.	6.55	7.40	8.86	9.59	9.59
23000.	119.	7.09	7.60	9.08	10.07	10.07
24000.	111.	7.46	8.46	9.78	10.78	10.78
25000.	105.	8.16	9.12	10.68	11.46	11.46
26000.	98.	8.62	9.75	11.56	12.47	12.47
27000.	93.	9.26	10.52	12.17	12.98	12.98
28000.	60.	8.92	9.54	12.62	13.54	13.54
29000.	44.	5.29	10.00	12.53	13.57	13.57

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 50 observations were available, frequency distribution data were excluded.

AMS (MSM) Form 600-1, 27 Sep 61 (One-Time)

Table IV (9)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

Percent Deviation from AMS Model Atmosphere, 1959

CORRELATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	-135 PERCENT	-2.28 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	150.	9940.	-1.42	-1.49	-0.60	0.15	0.59
100.	150.	9010.	-1.64	-1.75	-0.55	0.33	0.66
200.	150.	7950.	-1.85	-1.97	-0.62	0.22	0.88
300.	150.	7030.	-1.63	-1.82	-0.70	0.28	1.12
400.	150.	6180.	-1.75	-1.91	-0.95	0.32	1.27
500.	150.	5410.	-1.81	-2.00	-1.09	0.54	1.81
600.	150.	4710.	-2.08	-2.29	-1.25	0.62	2.29
700.	150.	4080.	-2.63	-2.86	-1.43	0.72	2.39
800.	150.	3520.	-3.30	-3.57	-1.65	0.55	2.47
900.	150.	3030.	-3.50	-3.82	-1.91	0.64	2.87
1000.	150.	2600.	-3.70	-4.07	-1.85	0.74	2.96
1100.	150.	2245.	-3.61	-3.24	-1.94	1.08	3.24
1200.	150.	1925.	-3.78	-3.03	-1.52	1.26	3.28
1300.	149.	1650.	-3.37	-2.66	-1.18	1.45	3.25
1400.	149.	1415.	-2.08	-2.42	-0.35	1.36	3.11
1500.	149.	1220.	-1.21	-1.62	-0.40	1.21	2.83
1600.	149.	1045.	-0.95	-1.42	0.00	1.42	2.84
1700.	149.	882.	-1.11	-1.22	0.00	1.66	2.88
1800.	149.	734.	-0.91	-1.04	0.00	1.56	2.72
1900.	149.	653.	-0.91	-1.06	0.00	1.52	2.88
2000.	149.	559.	-0.89	-1.06	-0.18	1.24	2.66
2100.	116.	482.	-0.10	-0.21	0.00	1.35	3.01
2200.	115.	412.	-0.12	-0.24	0.00	1.33	3.03
2300.	112.	352.	-0.23	-0.43	0.00	1.56	3.12
2400.	111.	301.	-0.33	-0.50	0.00	1.43	3.32
2500.	105.	257.	-0.19	-0.39	0.00	1.75	3.50
2600.	97.	220.	-0.45	-0.68	0.00	1.81	3.85
2700.	80.	185.	-0.53	-0.79	-0.53	1.32	4.23
2800.	66.	151.	-0.52	-1.23	-0.92	0.52	4.92
2900.	46.	138.	-1.42	-1.79	-0.71	2.14	5.00

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) From 600-1, 27 Sep 61 (one-time)

Table IV (9)

FREQUENCY DISTRIBUTIONS OF PRESSURE						
VIENNA, Austria		Period of Observation: March 1974 - February 1979				
SURFACE		Percent Deviation from AMS Model Atmosphere, 1979				
ALTITUDE METERS	NO. OBS.	CORRELATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	150.	0.70	1.00	1.49	1.69	1.69
1000.	150.	0.87	1.09	1.53	1.64	1.64
2000.	150.	0.99	1.22	1.73	1.85	1.85
3000.	150.	1.40	1.68	2.24	2.52	2.52
4000.	150.	1.59	1.91	2.54	3.18	3.18
5000.	150.	2.18	2.54	3.27	3.81	3.81
6000.	150.	2.70	3.12	4.16	4.57	4.57
7000.	150.	2.86	3.34	4.53	5.25	5.25
8000.	150.	3.02	3.57	4.95	5.22	5.22
9000.	150.	3.50	4.14	5.41	6.05	6.05
10000.	150.	3.70	4.44	6.30	6.67	6.67
11000.	150.	3.89	4.75	6.48	7.13	7.13
12000.	150.	4.04	4.80	6.57	7.07	7.07
13000.	149.	3.85	4.73	6.51	6.80	6.80
14000.	149.	3.81	4.50	5.88	6.57	6.57
15000.	149.	3.64	4.05	5.67	6.48	6.48
16000.	149.	3.32	3.79	5.21	6.16	6.16
17000.	149.	3.44	4.10	5.43	6.21	6.21
18000.	149.	3.37	4.28	5.45	6.10	6.10
19000.	149.	3.49	4.25	5.31	6.22	6.22
20000.	149.	3.37	4.08	5.67	6.38	6.38
21000.	116.	3.73	4.56	6.02	6.54	6.54
22000.	115.	4.00	4.85	6.31	6.67	6.67
23000.	112.	4.11	4.56	6.67	6.95	6.95
24000.	111.	4.31	5.14	6.97	7.30	7.30
25000.	105.	4.66	5.82	7.77	7.96	7.96
26000.	97.	4.99	6.12	8.16	8.39	8.39
27000.	80.	5.82	6.88	8.73	8.73	8.73
28000.	66.	6.15	7.38	8.92	8.92	8.92
29000.	46.	6.07	7.66	8.93	8.93	8.93

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (MSM) Form 600-1, 27 Sep 61 (One-Time)

Table IV (10)

FORM 20 (10-59)

FREQUENCY DISTRIBUTIONS OF PRESSURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1979

OCTOBER

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	155.	9980.	-1.08	-1.09	-0.89	-0.20	0.80
1000.	154.	9030.	-1.42	-1.53	-0.76	-0.22	0.76
2000.	154.	7930.	-1.85	-1.97	-1.23	-0.37	0.62
3000.	154.	7000.	-2.10	-2.24	-1.40	-0.42	0.84
4000.	154.	6120.	-2.70	-2.86	-1.75	-0.64	0.95
5000.	154.	5320.	-3.45	-3.63	-2.18	-0.73	1.27
6000.	154.	4620.	-3.95	-4.16	-2.70	-0.83	1.46
7000.	154.	3950.	-5.01	-5.25	-3.10	-0.95	1.67
8000.	154.	3420.	-6.64	-6.32	-3.85	-1.37	1.85
9000.	154.	2940.	-6.37	-6.69	-4.46	-1.53	1.91
10000.	154.	2530.	-6.30	-6.67	-4.81	-1.65	1.85
11000.	154.	2170.	-5.26	-6.48	-4.54	-1.54	1.94
12000.	154.	1865.	-5.81	-6.06	-4.80	-2.27	1.77
13000.	153.	1605.	-5.52	-5.33	-4.44	-1.76	1.48
14000.	153.	1380.	-4.50	-4.84	-4.50	-1.36	1.38
15000.	153.	1185.	-4.15	-4.45	-4.05	-1.62	0.81
16000.	153.	1010.	-4.27	-4.74	-4.27	-1.42	0.47
17000.	148.	861.	-4.55	-4.66	-4.32	-1.44	0.44
18000.	148.	734.	-4.80	-4.93	-4.54	-1.43	0.13
19000.	148.	627.	-4.86	-5.01	-4.70	-1.52	0.00
20000.	148.	534.	-5.32	-5.50	-4.96	-1.77	-0.35
21000.	107.	456.	-5.50	-5.60	-5.08	-1.87	-0.31
22000.	105.	350.	-5.44	-5.46	-4.85	-2.06	-0.36
23000.	100.	333.	-5.52	-5.67	-4.54	-2.41	-0.57
24000.	93.	285.	-5.64	-5.80	-4.81	-2.65	-0.50
25000.	85.	244.	-5.44	-5.63	-5.24	-2.92	-0.58
26000.	72.	206.	-5.67	-5.90	-5.44	-2.72	-0.91
27000.	62.	178.	-5.82	-6.08	-5.82	-2.65	-0.79
28000.	49.	155.	-4.62	-4.92	-4.62	-3.08	-1.23

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600-1, 27 Sep 61 (One-Time)

Table IV (10)

FREQUENCY DISTRIBUTIONS OF PRESSURE									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
OCTOBER		Percent Deviation from AMS Model Atmosphere, 1959							
CUMULATIVE PERCENTAGE FREQUENCY									
ALTITUDE FEET	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MOULIN PRESSURE	RELATIVE DEVIATION		
5.	155.	1.09	1.32	1.98	2.19	10310.	2.19		
1000.	154.	1.09	1.31	1.86	2.07	9350.	2.07		
2000.	154.	0.99	1.30	1.73	2.22	8250.	2.22		
3000.	154.	1.26	1.54	2.10	2.66	7340.	2.66		
4000.	154.	1.43	1.75	2.54	3.18	6450.	3.18		
5000.	154.	1.81	2.18	3.09	3.63	5710.	3.63		
6000.	154.	2.29	2.70	3.74	4.37	5020.	4.37		
7000.	154.	2.39	2.86	3.82	4.53	4380.	4.53		
8000.	154.	2.47	2.75	4.12	4.95	3820.	4.95		
9000.	154.	2.55	3.18	4.78	5.41	3310.	5.41		
10000.	154.	2.59	3.33	5.56	6.30	2870.	6.30		
11000.	154.	2.81	3.46	5.40	6.48	2465.	6.48		
12000.	154.	2.53	3.28	5.56	6.31	2105.	6.31		
13000.	153.	2.37	2.96	5.03	6.21	1755.	6.21		
14000.	153.	2.08	2.77	4.50	5.54	1525.	5.54		
15000.	153.	1.62	2.43	4.05	4.86	1255.	4.86		
16000.	153.	0.95	1.50	3.32	4.27	1100.	4.27		
17000.	148.	1.00	1.88	3.33	4.21	940.	4.21		
18000.	148.	0.65	1.56	2.98	3.76	800.	3.76		
19000.	148.	0.46	1.52	2.88	3.49	682.	3.49		
20000.	148.	0.18	1.24	2.48	3.19	582.	3.19		
21000.	107.	0.31	1.24	2.39	2.80	456.	2.80		
22000.	105.	0.12	1.21	2.43	2.67	427.	2.67		
23000.	100.	0.14	1.26	2.41	2.70	362.	2.70		
24000.	93.	0.17	1.49	2.49	2.82	310.	2.82		
25000.	85.	0.39	1.75	2.91	3.11	266.	3.11		
26000.	72.	0.68	2.04	3.17	3.63	229.	3.63		
27000.	62.	0.79	2.12	3.70	3.97	197.	3.97		
28000.	49.	0.31	1.55	3.69	4.00	165.	4.00		

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) from 600-1, 27 Aug 61 (One-Time)

Table IV (11)

FREQUENCY DISTRIBUTIONS OF PRESSURE									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
NOVEMBER		Percent Deviation from ABC Model Atmosphere, 1959							
ALTITUDE Feet/100	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEFICIENCY	-135 PERCENT	-128 PERCENT	-128 PERCENT	-128 PERCENT	128 PERCENT	50.0 PERCENT
CUMULATIVE PERCENTAGE FREQUENCY									
0.	150.	9930.	-1.58	-1.59	-0.80	-0.80	-0.80	-0.10	0.80
1000.	150.	8690.	-1.86	-1.97	-0.98	-0.98	-0.98	-0.22	0.55
2000.	150.	7530.	-2.22	-2.34	-1.60	-1.60	-1.60	-0.45	0.12
3000.	150.	6590.	-2.66	-2.80	-1.96	-1.96	-1.96	-0.56	0.03
4000.	150.	6080.	-3.34	-3.50	-2.70	-2.70	-2.70	-0.79	-0.16
5000.	150.	5270.	-4.36	-4.54	-3.09	-3.09	-3.09	-1.09	0.00
6000.	150.	4560.	-5.30	-5.41	-3.53	-3.53	-3.53	-1.46	0.00
7000.	150.	3930.	-6.21	-6.44	-4.06	-4.06	-4.06	-1.67	0.00
8000.	150.	3370.	-7.42	-7.97	-4.95	-4.95	-4.95	-2.10	-0.55
9000.	150.	2880.	-8.23	-8.60	-5.41	-5.41	-5.41	-2.58	-0.64
10000.	150.	2460.	-9.28	-9.26	-5.93	-5.93	-5.93	-3.33	-0.74
11000.	150.	2100.	-9.45	-9.50	-6.48	-6.48	-6.48	-3.67	-1.08
12000.	150.	1800.	-9.65	-9.34	-6.31	-6.31	-6.31	-4.04	-1.26
13000.	150.	1535.	-9.17	-9.47	-6.21	-6.21	-6.21	-3.85	-1.78
14000.	150.	1310.	-9.34	-9.69	-6.57	-6.57	-6.57	-4.15	-2.08
15000.	150.	1115.	-9.72	-10.12	-6.88	-6.88	-6.88	-4.05	-2.02
16000.	146.	955.	-9.42	-9.95	-7.11	-7.11	-7.11	-4.27	-2.37
17000.	137.	812.	-9.58	-10.09	-7.43	-7.43	-7.43	-4.32	-2.22
18000.	137.	689.	-10.64	-10.77	-7.91	-7.91	-7.91	-4.80	-2.33
19000.	136.	585.	-11.23	-11.38	-8.65	-8.65	-8.65	-5.16	-2.73
20000.	135.	496.	-12.06	-12.06	-9.27	-9.27	-9.27	-5.67	-3.19
21000.	95.	420.	-12.66	-12.97	-8.20	-8.20	-8.20	-5.50	-2.90
22000.	91.	365.	-11.57	-11.65	-8.74	-8.74	-8.74	-5.63	-3.28
23000.	85.	319.	-9.65	-9.79	-8.09	-8.09	-8.09	-5.10	-3.55
24000.	80.	270.	-10.45	-10.61	-8.96	-8.96	-8.96	-6.00	-3.81
25000.	65.	229.	-11.07	-11.26	-10.68	-10.68	-10.68	-7.18	-3.50
26000.	57.	195.	-11.56	-11.79	-10.88	-10.88	-10.88	-7.26	-3.63
27000.	50.	165.	-12.70	-12.96	-12.17	-12.17	-12.17	-6.47	-4.23
28000.	35.	142.	-12.92	-13.23	-12.92	-12.92	-12.92	-5.54	-4.00

Note: When less than 30 observations were available, frequency distribution data were excluded.

ACMC (ABMA) Form 600-1, 27 Sep 61 (One-Time)

Table IV (11)

FREQUENCY DISTRIBUTIONS OF PRESSURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
NOVEMBER		Percent Deviation from ARDC Model Atmosphere, 1959				
CUMULATIVE PERCENTAGE FREQUENCY						
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	150.	1.19	1.58	2.19	2.58	2.58
1000.	150.	0.76	1.09	1.86	2.40	2.40
2000.	150.	0.37	0.74	1.48	2.22	2.22
3000.	150.	0.28	0.84	1.68	2.24	2.24
4000.	150.	0.16	0.79	1.59	2.23	2.23
5000.	150.	0.36	1.09	2.00	2.54	2.54
6000.	150.	0.42	1.25	2.29	2.70	2.70
7000.	150.	0.48	1.19	2.15	2.63	2.63
8000.	150.	0.27	1.10	2.20	2.47	2.47
9000.	150.	0.00	1.27	2.23	2.87	2.87
10000.	150.	0.00	1.11	2.22	2.96	2.96
11000.	150.	-0.43	0.86	2.16	3.24	3.24
12000.	150.	-0.51	0.51	1.77	3.28	3.28
13000.	150.	-0.89	0.30	1.48	3.55	3.55
14000.	150.	-0.69	0.00	1.04	3.11	3.11
15000.	150.	-1.21	-0.40	0.81	2.43	2.43
16000.	146.	-1.42	-0.47	0.00	1.90	1.90
17000.	137.	-1.33	-0.67	-0.11	1.44	1.44
18000.	137.	-1.56	-0.78	-0.26	0.91	0.91
19000.	136.	-2.12	-0.91	-0.30	0.61	0.61
20000.	135.	-2.30	-1.24	-0.71	0.18	0.18
21000.	95.	-2.07	-1.45	-0.41	-0.21	-0.21
22000.	91.	-2.18	-1.58	-0.61	-0.12	-0.12
23000.	85.	-2.41	-1.84	-0.85	-0.14	-0.14
24000.	80.	-2.82	-2.16	-1.00	0.00	0.00
25000.	65.	-2.52	-2.14	-0.78	0.00	0.00
26000.	57.	-2.95	-2.04	-1.13	0.00	0.00
27000.	50.	-3.17	-2.12	-1.32	-0.26	-0.26
28000.	35.	-3.38	-2.46	-0.92	-0.62	-0.62

Note: When less than 30 observations were available, frequency distribution data were excluded.

Table IV (11)

FREQUENCY DISTRIBUTIONS OF PRESSURE						
VIZIMA, Austria		Period of Observation: March 1954 - February 1959				
MONTANA		Percent Deviation from AMSL Model Atmosphere, 1959				
CUMULATIVE PERCENTAGE FREQUENCY						
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	150.	1.19	1.58	2.19	2.58	2.58
1000.	150.	0.76	1.09	1.86	2.40	2.40
2000.	150.	0.37	0.74	1.48	2.22	2.22
3000.	150.	0.28	0.84	1.68	2.24	2.24
4000.	150.	0.16	0.79	1.59	2.23	2.23
5000.	150.	0.36	1.09	2.00	2.54	2.54
6000.	150.	0.42	1.25	2.29	2.70	2.70
7000.	150.	0.48	1.19	2.15	2.63	2.63
8000.	150.	0.27	1.10	2.20	2.47	2.47
9000.	150.	0.00	1.27	2.23	2.87	2.87
10000.	150.	0.00	1.11	2.22	2.96	2.96
11000.	150.	-0.43	0.66	2.16	3.24	3.24
12000.	150.	-0.51	0.51	1.77	3.28	3.28
13000.	150.	-0.89	0.30	1.48	3.55	3.55
14000.	150.	-0.69	0.00	1.04	3.11	3.11
15000.	150.	-1.21	-0.40	0.81	2.43	2.43
16000.	146.	-1.42	-0.47	0.00	1.90	1.90
17000.	137.	-1.33	-0.67	-0.11	1.44	1.44
18000.	137.	-1.56	-0.78	-0.26	0.91	0.91
19000.	136.	-2.12	-0.91	-0.30	0.61	0.61
20000.	135.	-2.30	-1.24	-0.71	0.18	0.18
21000.	95.	-2.07	-1.45	-0.41	-0.21	-0.21
22000.	91.	-2.18	-1.58	-0.61	-0.12	-0.12
23000.	85.	-2.41	-1.84	-0.85	-0.14	-0.14
24000.	80.	-2.82	-2.16	-1.00	0.00	0.00
25000.	65.	-2.52	-2.14	-0.78	0.00	0.00
26000.	57.	-2.95	-2.04	-1.13	0.00	0.00
27000.	50.	-3.17	-2.12	-1.32	-0.26	-0.26
28000.	35.	-3.38	-2.46	-0.92	-0.62	-0.62

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (mm.) from 600-1, 27 Sep 61 (one-time)

Table IV (12)

FREQUENCY DISTRIBUTIONS OF PRESSURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
December		Percent Deviation from AMSC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	MINIMUM PRESSURE	RELATIVE DEVIATION	CUMULATIVE PERCENTAGE FREQUENCY		
				-1.35 PERCENT	2.28 PERCENT	15.9 PERCENT
5.	155.	9770.	-3.17	-3.18	-2.27	-1.00
1000.	155.	8860.	-3.28	-3.38	-2.40	-1.31
2000.	155.	7830.	-3.45	-3.58	-2.84	-1.60
3000.	155.	6870.	-3.92	-4.06	-3.08	-1.82
4000.	155.	6010.	-4.45	-4.61	-3.66	-2.23
5000.	155.	5210.	-5.44	-5.63	-4.36	-2.71
6000.	155.	4510.	-6.24	-6.44	-4.99	-3.12
7000.	155.	3870.	-7.64	-7.88	-5.97	-3.58
8000.	155.	3320.	-8.79	-9.07	-7.14	-4.12
9000.	155.	2860.	-8.92	-9.24	-7.96	-4.78
10000.	155.	2450.	-9.26	-9.63	-8.52	-5.19
11000.	155.	2095.	-9.50	-9.72	-8.64	-5.40
12000.	155.	1790.	-9.60	-9.85	-8.33	-5.56
13000.	155.	1530.	-9.47	-9.76	-8.28	-5.33
14000.	154.	1305.	-9.69	-10.03	-8.30	-5.54
15000.	154.	1115.	-9.72	-10.12	-8.50	-5.67
16000.	139.	965.	-8.53	-9.00	-7.58	-5.65
17000.	128.	819.	-9.20	-9.31	-8.20	-5.59
18000.	125.	696.	-9.73	-9.86	-8.56	-5.23
19000.	125.	523.	-10.02	-10.17	-8.95	-5.53
20000.	123.	507.	-10.11	-10.11	-8.87	-5.74
21000.	100.	433.	-10.27	-10.37	-8.71	-6.74
22000.	92.	369.	-10.56	-10.68	-8.74	-6.80
23000.	83.	318.	-9.95	-9.93	-8.94	-6.95
24000.	82.	269.	-10.78	-10.95	-9.45	-7.63
25000.	77.	229.	-11.26	-11.46	-9.71	-8.35
26000.	61.	199.	-9.75	-9.98	-9.52	-8.62
27000.	48.	170.	-10.05	-10.32	-10.05	-8.26
28000.	33.	144.	-11.69	-12.00	-11.69	-8.52
29000.						-5.85

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMSC (AMSA) Form 600-1, 27 Sep 61 (one-time)

Table IV (12)

FREQUENCY DISTRIBUTIONS OF PRESSURE							
VIENNA, Austria		Period of Observation: March 1974 - February 1979					
ECONOMY		Percent Deviation from AMS Model Atmosphere, 1979					
CUMULATIVE PERCENTAGE FREQUENCY							
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM PRESSURE	RELATIVE DEVIATION
5.	155.	1.00	1.39	2.09	2.29	10326.	2.29
1000.	155.	0.66	0.98	1.64	2.18	9360.	2.18
2000.	155.	0.25	0.62	1.48	1.97	8270.	1.97
3000.	155.	0.00	0.56	1.54	1.96	7290.	1.96
4000.	155.	-0.32	0.32	1.59	2.07	6420.	2.07
5000.	155.	-0.36	0.36	1.81	2.54	5650.	2.54
6000.	155.	-0.42	0.21	1.87	2.91	4950.	2.91
7000.	155.	-0.72	0.00	1.91	2.63	4300.	2.63
8000.	155.	-1.10	-0.27	1.92	2.75	3740.	2.75
9000.	155.	-1.27	-0.32	1.91	2.87	3230.	2.87
10000.	155.	-1.85	-0.74	1.85	2.59	2770.	2.59
11000.	155.	-1.94	-1.08	1.94	2.59	2375.	2.59
12000.	155.	-2.53	-1.26	1.92	2.27	2025.	2.27
13000.	155.	-2.66	-1.78	1.18	1.78	1720.	1.78
14000.	154.	-2.77	-1.38	0.69	1.04	1465.	1.04
15000.	154.	-2.43	-1.62	0.00	0.81	1245.	0.81
16000.	139.	-2.84	-1.90	0.00	0.47	1060.	0.47
17000.	128.	-2.66	-2.00	0.00	0.22	904.	0.22
18000.	125.	-2.85	-2.08	-0.13	0.26	773.	0.26
19000.	125.	-3.19	-2.28	-0.30	0.30	661.	0.30
20000.	123.	-3.19	-2.30	-0.53	0.00	564.	0.00
21000.	100.	-3.32	-2.39	-0.52	-0.10	482.	-0.10
22000.	92.	-3.64	-2.43	-0.61	-0.12	411.	-0.12
23000.	83.	-3.69	-2.70	-0.71	-0.14	352.	-0.14
24000.	82.	-3.81	-2.59	-0.83	-0.33	301.	-0.33
25000.	77.	-3.88	-2.72	-0.97	-0.19	257.	-0.19
26000.	61.	-4.31	-3.40	-1.59	-1.36	218.	-1.36
27000.	48.	-4.76	-3.70	-2.12	-1.59	186.	-1.59
28000.	33.	-5.23	-4.31	-2.77	-2.77	158.	-2.77

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (msl) from 600-1, 27 Aug 61 (one-time)

Table IV (13)

Table IV (C)

FREQUENCY DISTRIBUTIONS OF PRESSURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

ANNUAL

Percent Deviation from AMSL Model Atmosphere, 1979

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE FEET	+0.00%	MINIMUM PRESSURE	RELATIVE DEVIATION	.125 PERCENT	2.25 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	1326.	3470.	-4.75	-2.68	-1.38	-0.35	0.49
100.	1325.	3470.	-4.75	-2.95	-1.75	-0.44	0.33
200.	1325.	7730.	-4.75	-3.45	-2.42	-0.74	0.25
300.	1325.	9320.	-4.75	-4.20	-2.80	-1.12	0.28
400.	1325.	9320.	-5.00	-5.09	-3.34	-1.55	0.16
500.	1325.	5170.	-5.17	-6.17	-4.17	-2.00	0.36
600.	1325.	4400.	-7.13	-6.86	-4.99	-2.23	0.21
700.	1325.	3820.	-3.92	-8.35	-5.97	-2.56	0.24
800.	1325.	3370.	-10.16	-9.34	-6.87	-3.57	0.00
900.	1324.	2810.	-13.51	-9.67	-7.64	-4.14	0.09
1000.	1324.	2420.	-10.37	-10.00	-8.15	-4.44	-0.37
1100.	1324.	2075.	-13.37	-9.94	-7.99	-4.75	-0.43
1200.	1324.	1790.	-9.60	-9.60	-7.83	-5.05	-0.51
1300.	1322.	1520.	-9.47	-9.47	-7.69	-4.73	-0.89
1400.	1321.	1305.	-9.09	-9.69	-7.61	-4.84	-0.69
1500.	1320.	1115.	-9.72	-10.12	-8.10	-4.45	-0.81
1600.	1320.	945.	-10.43	-9.95	-7.58	-4.27	-0.47
1700.	1322.	798.	-11.52	-10.09	-7.65	-4.55	-0.33
1800.	1322.	674.	-12.58	-10.64	-7.91	-4.80	-0.39
1900.	1321.	568.	-13.81	-11.23	-8.35	-5.01	-0.30
2000.	1325.	479.	-15.07	-11.85	-8.33	-5.32	-0.53
2100.	1314.	404.	-16.18	-12.45	-8.30	-4.58	0.21
2200.	1336.	358.	-13.11	-12.50	-8.37	-4.80	0.36
2300.	1353.	306.	-13.19	-12.06	-8.23	-4.86	0.85
2400.	1072.	260.	-13.76	-11.94	-8.46	-4.56	1.49
2500.	954.	221.	-14.17	-12.04	-8.93	-4.47	2.14
2600.	828.	184.	-12.24	-12.24	-8.84	-4.08	2.95
2700.	701.	145.	-12.70	-12.70	-8.99	-3.44	3.97
2800.	537.	142.	-12.52	-12.92	-9.23	-3.38	4.00
2900.	330.	124.	-11.43	-11.79	-9.64	-2.14	6.43
3000.	170.	106.	-12.81	-13.22	-11.57	-2.07	6.20
3100.	87.	92.	-11.56	-12.44	-7.16	0.00	6.22

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (ASMA) Form 600-1, 27 Sep 61 (One-Time)

Table IV (13)

FREQUENCY DISTRIBUTIONS OF PRESSURE							
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
Annual		Percent Deviation from AMS Model Atmosphere, 1959					
Cumulative Percentages Frequency							
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	34.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MEAN PRESSURE	RELATIVE DEVIATION
5.	1826.	0.79	1.19	1.98	3.08	10410.	3.18
1000.	1825.	0.66	1.09	1.64	2.62	9410.	2.73
2000.	1825.	0.62	0.99	1.60	2.22	8410.	2.59
3000.	1825.	0.84	1.26	1.96	2.66	7410.	2.80
4000.	1825.	0.79	1.43	2.38	3.18	6410.	3.34
5000.	1825.	1.09	2.00	2.90	3.61	5410.	3.99
6000.	1825.	1.25	2.49	3.53	4.57	5040.	4.78
7000.	1825.	1.43	2.63	4.06	5.25	4430.	5.73
8000.	1825.	1.37	2.75	4.40	5.49	3800.	6.04
9000.	1824.	1.59	3.18	5.10	6.37	3200.	6.69
10000.	1824.	1.48	3.33	5.93	7.41	2710.	7.78
11000.	1824.	1.73	3.46	6.26	7.99	2150.	8.21
12000.	1824.	1.77	3.54	6.31	8.33	2150.	8.59
13000.	1822.	2.07	3.85	6.21	8.88	1845.	9.17
14000.	1821.	2.08	3.61	6.23	9.00	1560.	9.34
15000.	1820.	2.02	4.05	6.07	8.91	1350.	9.31
16000.	1755.	2.37	3.79	6.16	8.53	1150.	9.00
17000.	1672.	2.66	4.43	6.54	8.76	963.	8.98
18000.	1658.	2.72	4.67	6.61	8.56	839.	8.82
19000.	1651.	2.88	4.86	6.83	8.65	716.	8.95
20000.	1625.	3.01	4.79	6.91	8.69	614.	8.87
21000.	1314.	3.84	5.60	7.37	8.82	526.	9.02
22000.	1236.	4.13	5.63	7.89	9.22	452.	9.59
23000.	1153.	4.40	6.10	8.37	9.65	388.	10.07
24000.	1072.	4.98	6.63	8.96	10.61	334.	10.78
25000.	954.	5.83	7.38	9.90	11.26	287.	11.46
26000.	828.	6.35	7.94	10.43	12.24	248.	12.47
27000.	701.	7.14	8.73	11.38	12.70	214.	12.96
28000.	537.	7.38	8.62	10.77	13.23	185.	13.54
29000.	330.	7.86	9.29	11.43	13.57	153.	13.57
30000.	170.	7.44	8.26	10.33	11.57	135.	11.57
31000.	87.	7.66	8.13	10.53	11.00	116.	11.00

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) from 600-1, 27 Sep 61 (One-Five)

Table V (1)

FREQUENCY DISTRIBUTIONS OF TEMPERATURES									
VIENNA, Austria		Period of Observations: March 1954 - February 1959							
JANUARY		Absolute Deviation from AMC Model Atmosphere, 1959							
Q. T. 100F METERS	NO. OBS.	MINIMUM TEMP.	CUMULATIVE FREQUENCY				PERCENT		
			ABSOLUTE DEVIATION	-135	2-28	15-5	50-0	PERCENT	
5.	155.	259.35	-27.15	-27.65	-25.55	-16.35	-14.55		
1000.	155.	256.35	-25.15	-25.25	-19.25	-15.35	-11.05		
2370.	155.	256.25	-18.55	-19.05	-17.45	-14.15	-7.25		
3000.	155.	249.25	-19.45	-19.55	-17.35	-13.05	-5.35		
3700.	155.	240.95	-21.25	-21.35	-18.15	-12.55	-5.25		
5000.	155.	232.75	-21.95	-22.05	-19.25	-12.25	-5.45		
6000.	155.	225.15	-24.05	-24.15	-20.45	-12.25	-6.25		
7000.	155.	219.45	-23.55	-23.35	-18.55	-12.95	-7.25		
8000.	155.	215.25	-20.95	-21.05	-16.15	-12.75	-8.45		
9000.	155.	211.45	-19.55	-18.35	-15.25	-11.65	-8.85		
10000.	155.	209.05	-14.25	-14.35	-12.25	-10.45	-8.75		
11000.	155.	201.25	-15.55	-15.65	-12.05	-9.65	-3.05		
12000.	155.	201.95	-15.75	-15.85	-14.25	-7.95	-1.45		
13000.	155.	198.95	-17.25	-17.85	-14.65	-4.85	-0.15		
14000.	155.	203.55	-13.15	-13.25	-10.85	-3.15	-0.25		
15000.	155.	203.15	-13.55	-13.65	-10.35	-2.35	-0.65		
16000.	147.	202.45	-14.55	-14.35	-9.45	-5.75	-1.15		
17000.	146.	199.85	-15.55	-15.65	-11.85	-6.65	-2.15		
18000.	146.	199.85	-16.85	-16.95	-12.75	-7.85	-2.45		
19000.	146.	198.55	-18.05	-18.15	-13.65	-8.35	-2.15		
20000.	140.	198.25	-18.40	-18.40	-13.00	-7.65	-2.35		
21000.	114.	199.25	-17.40	-17.40	-14.30	-6.55	-1.65		
22000.	106.	206.55	-16.15	-16.25	-12.45	-7.45	-1.45		
23000.	94.	202.25	-14.90	-14.90	-10.90	-7.25	-1.25		
24000.	80.	204.95	-11.75	-11.85	-11.65	-6.75	-1.45		
25000.	65.	204.95	-13.15	-13.25	-12.15	-6.15	0.95		
26000.	51.	203.45	-12.55	-12.95	-12.25	-7.95	1.85		
27000.	36.	206.45	-13.55	-13.95	-13.85	-11.05	3.25		

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (AMC) Form 600, 27 Sep 61 (One-Time)

Table V (1)

Table V (17)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

JANUARY

Absolute Deviation from AMS Model Atmosphere, 1959

CUMULATIVE FREQUENCY

ALTITUDE METERS	NO. OBS.	PERCENT	34.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MD: INUP TEMP.	RESOLUTE DEVIATION
5.	155.	-12.35	-10.95	-6.55	-5.55	281.35	-5.55
1000.	155.	-8.15	-6.35	0.35	1.85	281.55	1.85
2000.	155.	-4.55	-2.55	1.15	5.85	281.65	5.85
3000.	155.	-3.55	-1.85	1.95	5.75	274.45	5.75
4000.	155.	-3.45	-1.15	3.35	4.65	266.55	4.65
5000.	155.	-3.55	-1.55	2.35	3.75	256.45	3.75
6000.	155.	-4.35	-1.75	1.35	2.25	251.45	2.25
7000.	155.	-5.55	-2.65	0.55	3.85	240.55	3.85
8000.	155.	-6.35	-4.05	-0.75	2.35	238.45	2.35
9000.	155.	-6.85	-4.95	-2.05	-0.05	233.45	-0.05
10000.	155.	-5.75	-3.05	2.35	4.65	227.55	4.65
11000.	155.	0.05	4.35	10.35	12.15	226.55	12.15
12000.	155.	1.55	4.35	9.25	14.45	231.15	14.45
13000.	155.	2.45	4.25	7.45	12.15	228.65	12.15
14000.	155.	1.75	3.65	6.45	9.25	225.95	9.25
15000.	155.	1.55	3.45	6.05	8.35	225.65	8.35
16000.	147.	0.85	3.05	6.35	7.45	224.15	7.45
17000.	147.	0.25	2.45	6.15	7.35	224.05	7.35
18000.	146.	0.05	2.05	5.75	7.45	224.15	7.45
19000.	146.	-0.15	1.75	8.35	13.45	230.15	13.45
20000.	140.	-0.45	2.45	9.45	13.65	230.35	13.65
21000.	114.	0.45	3.25	12.55	14.75	231.45	14.75
22000.	106.	1.35	4.25	14.15	21.15	237.55	21.15
23000.	94.	2.35	5.45	17.85	19.75	236.45	19.75
24000.	80.	3.55	7.25	21.45	22.15	233.55	22.15
25000.	65.	5.95	9.05	20.25	24.45	241.15	24.45
26000.	51.	6.15	9.45	18.65	22.15	241.45	22.15
27000.	36.	6.75	9.45	19.55	19.65	241.55	19.65

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) from 600, 27 Sep 61 (00-0100)

Table V (2)

TABLE V (2)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

Period of Observation: March 1954 - February 1959

Absolute Deviation from AMSC Model Atmosphere, 1979

CORRELATIVE FREQUENCIES

LATITUDE REF.	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	.135 PERCENT	2.28 PERCENT	50.0 PERCENT
5.	141.	25.35	-75.15	-36.05	-26.65	-14.05
10.	141.	24.75	-33.75	-33.85	-26.95	-11.35
15.	141.	24.05	-35.55	-31.95	-24.55	-8.25
20.	141.	24.55	-33.55	-33.35	-21.05	-5.95
25.	141.	23.55	-33.55	-27.75	-21.15	-5.95
30.	141.	22.15	-33.55	-33.65	-21.55	-7.25
35.	141.	22.95	-35.55	-35.35	-22.85	-7.95
40.	141.	21.15	-33.55	-33.65	-21.15	-9.15
45.	141.	21.55	-13.55	-18.65	-17.15	-9.95
50.	140.	211.65	-13.55	-18.15	-15.85	-9.45
55.	140.	203.75	-13.55	-14.05	-12.25	-8.05
60.	140.	204.95	-9.95	-9.95	-9.35	-1.45
65.	140.	200.55	-13.55	-13.25	-12.75	0.95
70.	140.	202.45	-14.55	-14.35	-16.65	0.95
75.	140.	201.75	-14.55	-15.05	-8.95	0.55
80.	140.	201.15	-15.55	-15.65	-9.95	0.15
85.	140.	201.65	-15.55	-15.15	-11.45	-0.75
90.	140.	199.85	-16.55	-16.85	-13.55	-1.45
95.	140.	198.65	-13.05	-18.15	-13.65	-2.15
100.	140.	199.75	-16.55	-17.05	-14.45	-2.25
105.	133.	197.65	-13.75	-18.85	-14.05	-2.55
110.	103.	196.65	-20.55	-20.15	-16.05	-2.55
115.	91.	195.45	-21.55	-31.35	-12.85	-1.65
120.	78.	196.05	-20.60	-20.60	-14.20	-1.05
125.	57.	201.45	-15.20	-15.20	-9.05	-0.25
130.	57.	203.55	-13.15	-13.25	-7.95	0.05
135.	51.	207.65	-13.55	-12.35	-10.25	-1.15
140.	33.	213.45	-8.15	-8.95	-6.85	-1.15

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMSC (AMSA) Form 600, 27 Sep 61 (one-time)

Table V (2)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
FREQUENCY		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	85.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	ABSOLUTE DEVIATION
CUMULATIVE FREQUENCY PERCENT						
5.	141.	-11.95	-3.65	-6.25	-0.25	-6.25
1000.	141.	-7.55	-4.15	0.95	5.25	5.25
2000.	141.	-4.35	-1.65	1.95	4.25	4.25
3000.	141.	-4.25	-0.95	3.35	4.25	4.25
4000.	141.	-3.55	-0.55	3.75	4.65	4.65
5000.	141.	-3.55	-0.95	3.55	3.95	3.95
6000.	141.	-4.65	-1.65	2.45	4.35	4.35
7000.	141.	-6.05	-2.75	1.35	4.75	4.75
8000.	141.	-7.25	-3.55	-0.45	3.35	3.35
9000.	140.	-6.85	-4.65	-1.95	1.45	1.45
10000.	140.	-4.25	-2.65	1.85	3.85	3.85
11000.	140.	2.35	4.75	8.65	11.35	11.35
12000.	140.	3.05	5.45	10.15	11.35	11.35
13000.	140.	3.25	4.35	7.65	9.35	9.35
14000.	140.	2.35	4.95	6.65	8.65	8.65
15000.	140.	1.35	3.25	6.15	6.95	6.95
16000.	140.	0.35	2.75	5.45	6.05	6.05
17000.	140.	0.05	1.25	5.45	6.25	6.25
18000.	140.	-1.05	0.75	3.95	6.45	6.45
19000.	140.	-1.05	0.35	4.45	6.25	6.25
20000.	133.	-0.45	1.55	4.35	6.05	6.05
21000.	103.	-0.45	1.05	5.75	8.95	8.95
22000.	91.	0.05	2.15	5.45	9.05	9.05
23000.	78.	2.15	4.35	11.65	13.85	13.85
24000.	67.	2.55	5.95	18.35	18.95	18.95
25000.	57.	3.35	5.95	20.25	24.65	24.65
26000.	51.	3.25	5.85	27.25	29.35	29.35
27000.	33.	1.65	6.15	24.15	24.25	24.25

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) From 600, 27 Sep 61 (one-time)

Table V (3)

TABLE V (C)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

MARCH

Absolute Deviation from AMS Model Atmosphere, 1959

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	135 PERCENT	2.28 PERCENT	15.9 PERCENT	50.0 PERCENT
5.	155.	262.95	-23.95	-24.05	-20.95	-16.35	-12.95
1000.	155.	260.05	-21.05	-21.75	-18.65	-15.35	-9.65
2000.	155.	252.15	-23.05	-23.15	-20.35	-14.15	-7.05
3000.	155.	244.85	-23.85	-23.95	-19.85	-11.65	-5.95
4000.	155.	237.25	-24.95	-25.05	-20.55	-12.15	-5.45
5000.	155.	232.35	-23.35	-23.45	-21.05	-11.55	-5.95
6000.	155.	223.75	-25.75	-25.55	-18.35	-12.55	-6.65
7000.	155.	222.05	-29.05	-20.75	-18.65	-13.35	-7.65
8000.	155.	216.45	-19.15	-19.85	-16.35	-12.15	-8.25
9000.	155.	212.15	-17.55	-17.65	-13.85	-11.55	-8.55
10000.	155.	209.75	-13.55	-13.65	-12.15	-9.55	-6.35
11000.	155.	205.05	-11.75	-11.85	-9.95	-7.65	-2.35
12000.	155.	202.05	-14.05	-14.75	-12.55	-6.55	0.15
13000.	155.	203.75	-12.95	-13.05	-9.55	-3.45	6.95
14000.	155.	205.85	-10.85	-10.95	-8.15	-2.65	6.35
15000.	155.	204.85	-11.85	-11.95	-9.35	-3.35	-0.35
16000.	131.	205.05	-11.05	-11.75	-6.25	-4.55	0.05
17000.	123.	203.65	-13.05	-13.15	-10.55	-4.55	-0.55
18000.	123.	203.55	-13.15	-13.25	-11.35	-4.05	-1.25
19000.	123.	202.85	-13.55	-13.95	-10.45	-3.25	-1.35
20000.	121.	206.05	-13.05	-10.75	-10.35	-3.15	-1.05
21000.	93.	206.15	-10.55	-10.95	-9.45	-4.55	-0.65
22000.	89.	205.15	-11.55	-11.65	-5.85	-4.15	0.55
23000.	77.	202.15	-14.50	-14.50	-7.10	-3.65	1.85
24000.	66.	204.15	-12.55	-12.65	-10.55	-3.45	2.45
25000.	50.	205.75	-13.95	-11.05	-8.15	-2.65	3.75
26000.	40.	207.45	-11.95	-11.95	-11.85	-1.85	2.45
27000.	30.	213.15	-9.15	-9.25	-9.15	-4.15	2.15

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMSC (AAMA) Form 600, 27 Sep 61 (One-Time)

Table V (3)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
MARCH		Absolute Deviation from ABC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	ABSOLUTE DEVIATION
5.	155.	-10.65	-2.35	-2.25	2.45	2.45
1000.	155.	-6.85	-3.45	2.05	6.05	6.05
2000.	155.	-4.15	-1.45	3.05	6.55	6.55
3000.	155.	-3.35	-0.55	3.25	5.35	5.35
4000.	155.	-3.05	-0.35	2.55	5.45	5.45
5000.	155.	-3.45	-1.05	2.15	4.45	4.45
6000.	155.	-4.05	-1.65	1.45	2.45	2.45
7000.	155.	-5.35	-2.75	-0.05	1.45	1.45
8000.	155.	-6.55	-4.45	-1.65	0.15	0.15
9000.	155.	-7.05	-4.85	-2.15	-0.95	-0.95
10000.	155.	-4.45	-2.05	3.15	5.45	5.45
11000.	155.	1.95	6.15	9.35	13.65	13.65
12000.	155.	3.55	6.15	11.05	13.65	13.65
13000.	155.	3.05	6.25	10.35	13.15	13.15
14000.	155.	2.65	5.55	10.25	11.75	11.75
15000.	155.	1.55	5.65	8.75	9.85	9.85
16000.	131.	1.95	5.35	8.25	9.65	9.65
17000.	123.	2.15	3.85	7.55	8.65	8.65
18000.	123.	2.05	4.15	6.45	8.15	8.15
19000.	123.	2.05	3.95	6.55	7.95	7.95
20000.	121.	2.25	4.05	8.45	9.45	9.45
21000.	93.	2.95	4.45	8.35	9.55	9.55
22000.	89.	2.45	4.45	8.35	8.45	8.45
23000.	77.	2.95	4.55	7.75	9.45	9.45
24000.	66.	3.85	6.85	11.15	11.45	11.45
25000.	50.	5.55	8.15	11.45	11.65	11.65
26000.	40.	4.55	6.85	12.45	12.55	12.55
27000.	30.	2.95	4.55	10.45	10.55	10.55

Note: When less than 30 observations were available, frequency distribution data were excluded.

AGNC (ANNA) Form 600, 27 May 61 (Rev-51a)

Table V (4)

Table V (4)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

APRIL

Absolute Deviation from AMC Model Atmosphere, 1979

CUMULATIVE TEMPERATURE FREQUENCY

HEIGHT FEET	NO. OF	MINIMUM TEMP.	ABSOLUTE DEVIATION	.135 PERCENT	2.28 PERCENT	15.8 PERCENT	50.0 PERCENT
5	150.	271.95	-15.95	-16.05	-14.55	-12.25	-7.95
100.	150.	267.75	-19.95	-17.05	-15.15	-11.75	-6.35
200.	150.	252.55	-35.15	-18.75	-14.85	-11.55	-5.45
300.	150.	248.45	-39.25	-20.35	-15.55	-10.15	-5.35
400.	150.	242.95	-44.75	-19.35	-14.35	-9.15	-4.35
500.	150.	238.25	-49.45	-19.55	-15.25	-8.45	-4.45
600.	150.	228.55	-59.15	-20.75	-15.35	-8.15	-5.25
700.	150.	222.85	-64.85	-19.95	-15.65	-10.95	-6.25
800.	150.	218.15	-69.55	-16.65	-15.45	-11.35	-7.25
900.	150.	210.25	-77.45	-13.15	-15.35	-11.15	-6.05
1000.	150.	207.15	-80.55	-9.75	-11.35	-8.55	-5.35
1100.	150.	204.05	-83.65	-12.75	-8.95	-4.55	0.95
1200.	150.	205.55	-82.15	-11.25	-8.95	-3.15	2.65
1300.	150.	208.45	-79.25	-7.25	-5.95	-0.65	3.25
1400.	150.	207.45	-80.25	-8.35	-5.65	0.35	3.05
1500.	136.	207.35	-80.35	-9.35	-5.65	2.35	2.35
1600.	129.	207.35	-80.35	-9.45	-6.35	1.75	1.45
1700.	124.	203.25	-84.65	-10.95	-9.15	-2.45	0.95
1800.	122.	203.35	-84.55	-13.45	-8.65	-2.95	0.65
1900.	83.	205.95	-81.95	-10.85	-9.25	-3.35	0.55
2000.	80.	207.45	-79.45	-9.35	-6.65	-2.35	1.25
2100.	71.	207.15	-80.55	-9.65	-7.55	-2.45	1.35
2200.	61.	209.25	-78.45	-7.55	-6.65	-1.65	1.35
2300.	48.	211.55	-66.15	-6.25	-4.65	-0.65	2.35
2400.	38.	211.95	-65.75	-3.85	-2.65	1.25	3.45
2500.	35.	216.55	-61.15	-2.65	-2.75	0.05	2.35
2600.	32.	218.45	-59.25	-3.95	-3.65	-2.15	0.75
2700.		218.55	-59.75	-6.85	-6.75	-4.45	-1.55

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMNC (AMMA) Form 600, 27 Sep 61 (One-Time)

Table V (4)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
APRIL		Absolute Deviation from AMS Model Atmosphere, 1959				
CUMULATIVE FREQUENCY						
ALTITUDE METERS	NO. OBS.	U.S.C. PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM TEMP.
5.	150.	-6.75	-4.55	-0.55	0.25	287.15
1000.	150.	-4.45	-0.55	5.25	6.45	288.15
2000.	150.	-3.75	-1.05	4.25	7.55	289.15
3000.	150.	-2.75	-0.85	3.55	7.05	275.15
4000.	150.	-2.35	-0.75	3.55	5.35	267.15
5000.	150.	-2.75	-0.75	3.15	4.55	260.15
6000.	150.	-3.45	-1.55	2.55	3.85	255.15
7000.	150.	-4.65	-1.55	2.05	3.25	245.55
8000.	150.	-5.95	-3.65	0.65	1.65	237.85
9000.	150.	-6.65	-4.65	-1.15	1.25	230.55
10000.	150.	-3.65	-1.55	1.35	1.75	224.15
11000.	150.	3.35	5.05	6.95	10.05	220.55
12000.	150.	4.65	6.15	8.25	9.15	223.85
13000.	150.	5.05	5.85	8.05	9.75	226.45
14000.	150.	4.25	5.35	7.35	8.35	225.05
15000.	150.	3.35	4.55	6.95	9.35	220.05
16000.	136.	2.75	4.15	6.25	7.45	224.15
17000.	129.	2.35	3.55	6.45	7.25	223.55
18000.	124.	2.25	3.85	6.75	7.45	224.15
19000.	122.	1.65	3.55	6.05	7.25	223.55
20000.	122.	1.75	3.75	7.35	10.15	226.85
21000.	83.	2.35	4.15	8.85	10.05	226.15
22000.	80.	3.35	4.55	10.15	11.35	228.05
23000.	71.	3.25	4.85	7.85	12.95	229.85
24000.	61.	3.55	5.35	8.45	14.45	231.15
25000.	48.	5.15	6.55	8.45	13.85	230.55
26000.	38.	3.65	4.65	6.75	8.85	226.15
27000.	35.	1.25	3.75	4.55	4.65	224.55
28000.	32.	-0.75	1.85	3.35	3.45	223.75

Note: When less than 30 observations were available, frequency distribution data were excluded.

ACSC (ASMA) Form 600, 27 Sep 61 (One-Time)

Table V (5)

TABLE V (2)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

DAY

Absolute Deviation from AMS Model Atmosphere, 1979

CUMULATIVE FREQUENCY FREQUENCY

DATE 1954-59	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	-135 PERCENT	-7.28 PERCENT	15.1 PERCENT	50.0 PERCENT
1-10	155	273.35	-10.55	-10.65	-10.25	-6.35	-3.05
11-20	155	271.45	-10.55	-10.35	-8.75	-5.15	-0.05
21-30	155	263.85	-11.55	-11.35	-10.35	-5.35	0.35
31-40	155	255.85	-11.55	-11.95	-10.25	-2.75	1.05
41-50	155	251.05	-11.15	-11.25	-8.65	-1.55	1.95
51-60	155	244.95	-11.15	-11.25	-8.35	-2.35	1.75
61-70	155	240.05	-9.15	-9.25	-8.15	-2.75	1.05
71-80	155	232.75	-9.55	-10.05	-9.05	-4.05	-0.15
81-90	155	225.25	-10.55	-11.05	-8.75	-5.15	-1.55
91-100	155	219.15	-10.55	-10.65	-8.85	-6.25	-2.85
101-110	155	214.15	-9.15	-9.25	-8.05	-5.55	-2.45
111-120	155	208.35	-7.55	-7.55	-5.35	-3.05	0.55
121-130	155	203.25	-9.55	-9.55	-7.85	-5.55	1.15
131-140	155	207.45	-9.55	-9.35	-7.15	-4.55	2.75
141-150	155	211.35	-5.55	-5.45	-4.55	-3.35	2.95
151-160	155	212.65	-3.55	-3.15	-2.55	-0.15	2.45
161-170	155	212.55	-3.15	-3.25	-2.15	-0.25	2.45
171-180	112	212.15	-4.55	-4.65	-2.65	-0.05	2.25
181-190	107	212.75	-3.55	-4.05	-2.35	-0.35	1.95
191-200	103	213.85	-3.55	-2.95	-2.55	-0.25	1.55
201-210	95	214.65	-2.55	-2.15	-1.55	0.05	2.05
211-220	78	215.15	-1.55	-1.65	-0.75	1.15	2.95
221-230	74	215.15	-0.55	-0.65	-0.55	1.55	4.05
231-240	72	215.15	-0.55	-0.65	-0.25	2.25	4.35
241-250	67	215.15	-0.55	-0.65	1.35	5.15	5.15
251-260	56	217.65	3.55	0.65	2.15	3.55	6.25
261-270	43	217.65	3.55	2.85	2.75	4.75	5.15
271-280	41	214.55	-7.55	-7.85	-7.75	1.55	3.95
281-290	32	224.15	-0.15	-1.05	-0.55	0.55	2.45

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600, 27 Aug 61 (One-Time)

Table V (5)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
Villna, Austria		Period of Observation: March 1974 - February 1979				
MET		Absolute Deviation from AMS Model Atmosphere, 1979				
ALTITUDE METERS	NO. OBS.	Cumulative Minimum Frequency				
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	ABSOLUTE DEVIATION
5.	155.	-1.25	0.75	5.35	9.75	9.75
1000.	155.	2.35	5.05	12.65	14.15	14.15
2000.	155.	2.35	4.65	12.25	13.75	13.75
3000.	155.	3.45	4.95	10.85	11.95	11.95
4000.	155.	3.35	5.45	9.45	9.85	9.85
5000.	155.	3.25	5.55	9.75	10.95	10.95
6000.	155.	2.65	4.65	9.75	10.15	10.15
7000.	155.	1.85	4.55	7.65	9.15	9.15
8000.	155.	0.45	2.65	6.25	7.75	7.75
9000.	155.	-1.05	1.25	4.85	5.85	5.85
10000.	155.	-1.25	1.45	3.95	4.65	4.65
11000.	155.	2.45	4.35	8.95	11.05	11.05
12000.	155.	3.45	5.55	10.15	11.35	11.35
13000.	155.	4.45	6.45	9.65	10.45	10.45
14000.	155.	4.25	6.25	8.95	9.95	9.95
15000.	155.	3.65	5.25	8.15	10.25	10.25
16000.	155.	3.75	5.35	7.75	9.35	9.35
17000.	112.	3.25	4.65	7.75	8.35	8.35
18000.	107.	2.85	4.15	7.25	9.25	9.25
19000.	103.	2.55	3.75	7.35	8.15	8.15
20000.	95.	2.85	3.35	6.15	7.45	7.45
21000.	78.	3.55	4.05	5.95	6.35	6.35
22000.	74.	4.35	4.55	6.05	6.15	6.15
23000.	72.	5.05	5.45	6.35	6.55	6.55
24000.	67.	5.45	6.35	8.35	9.55	9.55
25000.	56.	6.75	7.75	9.35	11.05	11.05
26000.	43.	5.95	6.85	7.85	7.85	7.85
27000.	41.	4.85	5.75	7.55	7.65	7.65
28000.	32.	2.95	3.15	7.05	7.15	7.15

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) from 600, 27 Aug 61 (one-time)

Table V (6)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observations: March 1954 - February 1959				
JUNE		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT
CUMULATIVE PERCENTAGE FREQUENCY						
5.	150.	280.15	-5.75	-6.85	-5.05	-1.55
1000.	150.	276.95	-4.75	-4.85	-3.55	0.25
2000.	150.	269.05	-6.15	-6.25	-3.45	0.35
3000.	150.	262.85	-5.85	-5.95	-3.45	1.25
4000.	150.	256.65	-5.55	-5.65	-2.25	2.25
5000.	150.	249.45	-6.25	-6.35	-3.05	2.65
6000.	150.	241.05	-8.15	-8.25	-3.95	2.95
7000.	150.	232.35	-10.35	-10.45	-4.85	1.85
8000.	150.	227.05	-9.15	-9.25	-5.35	0.25
9000.	150.	222.35	-7.35	-7.45	-6.05	-0.65
10000.	150.	216.05	-7.35	-7.35	-4.85	-1.35
11000.	150.	211.75	-5.05	-5.15	-2.95	-0.75
12000.	150.	209.15	-7.55	-7.65	-6.75	-3.95
13000.	150.	208.75	-7.55	-8.05	-6.25	-2.15
14000.	150.	211.65	-5.05	-5.15	-4.35	0.65
15000.	149.	213.85	-2.85	-2.95	-1.85	1.15
16000.	149.	213.85	-3.85	-2.95	-1.55	0.65
17000.	149.	213.35	-3.35	-3.45	-1.65	0.25
18000.	149.	213.45	-3.25	-3.35	-1.35	-0.15
19000.	149.	214.25	-2.45	-2.55	-1.55	0.25
20000.	139.	215.35	-1.35	-1.45	-0.35	1.25
21000.	131.	216.95	0.25	0.15	1.05	3.25
22000.	128.	218.35	1.65	1.55	2.05	3.25
23000.	121.	218.65	1.95	1.85	2.65	3.95
24000.	111.	220.15	1.45	1.35	3.25	5.15
25000.	95.	220.05	3.25	3.25	3.85	7.55
26000.	81.	221.05	1.75	1.65	2.75	4.45
27000.	65.	222.75	0.45	0.35	0.65	2.75
28000.	49.	222.95	-2.35	-2.45	-1.65	0.65
29000.	31.	224.35	-3.95	-4.05	-3.35	0.15
30000.		225.05	-6.15	-6.25	-6.15	-2.05

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) from 600, 27 Sep 61 (One-Time)

Table V (6)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE							
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
JUNE		Absolute Deviation from AMS Model Atmosphere, 1959					
CORRELATIVE FREQUENCY							
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM TEMP.	ABSOLUTE DEVIATION
5.	150.	2.45	3.95	6.45	6.75	293.65	6.75
1000.	150.	6.35	8.45	11.15	12.85	294.55	12.85
2000.	150.	6.45	9.25	10.75	13.45	288.65	13.45
3000.	150.	6.05	7.85	11.05	12.35	281.65	12.35
4000.	150.	6.65	8.55	10.85	12.35	274.55	12.35
5000.	150.	7.65	9.35	10.85	11.25	266.55	11.25
6000.	150.	7.25	9.85	10.25	11.35	260.55	11.35
7000.	150.	6.65	8.05	10.25	11.95	254.65	11.95
8000.	150.	5.55	7.05	9.55	11.35	247.55	11.35
9000.	150.	4.05	5.65	8.25	10.05	239.75	10.05
10000.	150.	3.15	4.35	7.25	9.15	232.45	9.15
11000.	150.	3.95	6.05	9.85	12.45	225.25	12.45
12000.	150.	2.65	6.45	10.55	13.95	230.65	13.95
13000.	150.	4.35	6.75	9.85	13.55	236.25	13.55
14000.	150.	4.35	5.15	8.95	9.95	226.65	9.95
15000.	149.	3.95	5.55	7.85	8.35	225.05	8.35
16000.	149.	3.65	4.65	7.05	7.65	224.35	7.65
17000.	149.	3.25	4.05	5.35	6.35	223.05	6.35
18000.	149.	2.75	3.65	4.85	5.35	222.05	5.35
19000.	149.	3.05	3.55	4.95	5.65	221.55	5.65
20000.	149.	3.45	4.25	5.65	6.75	223.45	6.75
21000.	139.	4.35	5.15	6.45	7.65	224.35	7.65
22000.	131.	5.05	5.85	7.75	8.25	224.55	8.25
23000.	128.	6.05	7.05	8.65	9.15	225.85	9.15
24000.	121.	7.15	7.95	9.25	10.05	226.75	10.05
25000.	111.	8.15	9.35	10.25	11.15	227.65	11.15
26000.	95.	6.75	7.75	8.95	9.65	228.55	9.65
27000.	81.	5.05	6.65	7.65	7.75	230.05	7.75
28000.	65.	3.85	4.85	6.75	7.65	232.95	7.65
29000.	49.	2.85	3.75	5.75	5.85	234.15	5.85
30000.	31.	1.85	2.45	4.25	4.35	235.55	4.35

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600, 27 Sep 61 (One-Time)

Table V (7)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
JULY		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	CUMULATIVE FREQUENCY			
			ABSOLUTE DEVIATION	.135 PERCENT	2.28 PERCENT	15.5 PERCENT
5.	155.	281.95	-4.95	-5.05	-3.55	-6.05
1000.	155.	280.55	-1.15	-1.25	-0.05	1.75
2000.	155.	273.05	-2.15	-2.25	-1.05	1.95
3000.	155.	267.25	-1.45	-1.55	-0.75	2.75
4000.	155.	261.55	-0.65	-0.75	1.35	3.45
5000.	155.	255.05	-0.65	-0.75	0.55	4.05
6000.	155.	247.55	-1.65	-1.75	0.05	3.65
7000.	155.	238.95	-3.75	-3.85	-1.15	2.95
8000.	155.	230.35	-5.65	-5.95	-1.55	1.65
9000.	155.	224.15	-5.55	-5.65	-1.85	0.35
10000.	155.	220.25	-3.05	-3.15	-2.15	0.25
11000.	155.	214.25	-2.55	-2.65	-0.75	2.25
12000.	155.	210.75	-5.95	-6.05	-3.35	-0.55
13000.	155.	208.55	-8.15	-8.25	-6.55	-0.55
14000.	155.	210.95	-5.75	-5.85	-3.85	0.25
15000.	155.	210.65	-6.05	-6.15	-4.25	-0.75
16000.	155.	212.05	-4.65	-4.75	-3.55	-1.45
17000.	155.	212.65	-4.05	-4.15	-3.25	-0.75
18000.	155.	214.05	-2.65	-2.75	-1.65	-0.05
19000.	155.	214.75	-1.55	-2.05	-1.55	0.35
20000.	155.	216.25	-0.45	-0.55	0.15	1.55
21000.	148.	216.85	0.15	0.05	1.15	3.25
22000.	138.	218.75	2.05	1.95	2.45	3.55
23000.	134.	218.25	1.55	1.45	2.55	3.55
24000.	133.	218.35	1.65	1.55	3.65	4.55
25000.	130.	220.75	4.05	3.95	5.05	6.55
26000.	125.	221.25	1.95	1.85	3.25	5.35
27000.	112.	222.25	-0.05	-0.15	1.05	3.75
28000.	87.	222.75	-2.55	-2.65	-2.05	1.55
29000.	68.	224.25	-4.05	-4.15	-2.15	0.75
						2.45
						5.35
						5.15
						5.65
						6.55
						6.95
						7.05
						6.55
						5.85
						4.45
						3.75
						5.55
						4.95
						4.05
						2.45
						1.75
						1.25
						1.65
						2.35
						3.25
						4.45
						5.05
						6.05
						7.05
						8.25
						6.85
						5.65
						4.05
						2.65

Note: When less than 30 observations were available, frequency distribution data were excluded.

ACMC (ABMA) Form 600, 27 Sep 61 (One-Time)

Table V (8)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
AUGUST		Absolute Deviation from ARDC Model Atmosphere, 1959							
TEMPERATURE IN DEGREES CENTIGRADE	NO. OF OBS.	TEMPERATURE IN DEGREES CENTIGRADE	CUMULATIVE PERCENTAGE FREQUENCY	TEMPERATURE IN DEGREES CENTIGRADE	CUMULATIVE PERCENTAGE FREQUENCY	TEMPERATURE IN DEGREES CENTIGRADE	CUMULATIVE PERCENTAGE FREQUENCY	TEMPERATURE IN DEGREES CENTIGRADE	CUMULATIVE PERCENTAGE FREQUENCY
8.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
9.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
10.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
11.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
12.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
13.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
14.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
15.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
16.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
17.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
18.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
19.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
20.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
21.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
22.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
23.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
24.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
25.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
26.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
27.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
28.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
29.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
30.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
31.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
32.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
33.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
34.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
35.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
36.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
37.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
38.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
39.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
40.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
41.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
42.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
43.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05
44.	155.	24.55	4.05	24.55	4.05	24.55	4.05	24.55	4.05

Note: When less than 30 observations were available, frequency distribution data were excluded.

AOMC (ABMA) Form 600, 27 Sep 61 (One-Time)

Table V (7)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
JULY		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CORRELATIVE TEMPERATURE FREQUENCY				
		68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.805 PERCENT	MAXIMUM TEMP.
5.	155.	3.45	5.35	10.75	14.45	301.35
1000.	155.	7.55	9.55	16.55	18.35	300.05
2000.	155.	7.05	9.15	15.35	17.45	292.65
3000.	155.	7.05	9.05	14.05	15.15	282.65
4000.	155.	7.95	9.55	13.25	13.75	275.35
5000.	155.	8.85	10.45	12.95	14.65	270.55
6000.	155.	8.75	10.65	12.35	14.75	263.35
7000.	155.	8.45	10.55	13.05	13.45	256.15
8000.	155.	8.05	9.55	12.05	12.65	246.55
9000.	155.	6.25	7.55	10.85	11.25	240.55
10000.	155.	5.85	7.15	9.75	12.35	232.65
11000.	155.	7.15	9.45	13.15	15.25	232.05
12000.	155.	7.05	9.45	13.05	14.15	230.85
13000.	155.	6.85	8.95	11.55	12.75	225.45
14000.	155.	5.65	7.65	10.15	11.15	222.85
15000.	155.	4.85	6.45	9.25	10.35	222.05
16000.	155.	3.45	5.45	7.05	7.45	224.15
17000.	155.	2.95	4.35	6.15	8.25	224.95
18000.	155.	2.55	3.65	5.05	5.75	222.45
19000.	155.	3.15	4.15	5.55	7.25	223.55
20000.	155.	4.05	5.15	6.35	6.95	223.65
21000.	148.	5.35	6.65	7.85	8.05	224.75
22000.	138.	5.85	6.85	8.25	8.85	224.55
23000.	134.	6.85	7.75	8.95	9.65	226.35
24000.	133.	7.85	8.85	10.15	11.35	226.05
25000.	130.	9.05	9.95	11.45	13.35	230.05
26000.	125.	7.75	8.55	10.45	11.55	230.85
27000.	112.	5.95	7.35	8.75	10.65	233.15
28000.	87.	4.75	5.45	7.25	8.25	233.55
29000.	68.	3.55	3.95	5.75	6.75	235.05

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) Form 600, 27 Sep 61 (Rev-51a)

Table V (8)

FORM 1 (1-59)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Absolute Deviation from AMS Model Atmosphere, 1979

AUGUST

CORRELATIVE FREQUENCIES FREQUENT

ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	1.15 PERCENT	2.25 PERCENT	50.0 PERCENT
5.	155.	23.75	-4.55	-4.65	-1.55	-0.35
100.	155.	27.65	-2.15	-2.15	-0.45	1.75
250.	155.	27.65	-1.55	-1.65	-0.45	1.75
400.	155.	28.05	-0.55	-0.75	-0.25	1.85
450.	155.	28.75	0.55	0.45	1.15	3.05
500.	155.	28.35	-0.55	-0.45	0.55	3.55
600.	155.	27.75	-1.55	-1.95	-0.05	3.55
700.	155.	28.35	-3.35	-3.45	-0.35	2.85
800.	155.	22.75	-3.45	-3.55	-1.15	1.35
900.	155.	22.25	-3.45	-3.55	-2.55	1.35
1000.	155.	21.05	-4.25	-4.35	-3.85	-0.05
1100.	155.	21.25	-3.55	-3.65	-1.15	1.25
1200.	155.	21.05	-5.45	-5.55	-2.75	-0.25
1300.	155.	21.05	-6.65	-6.75	-3.85	-0.35
1400.	155.	20.55	-7.15	-7.25	-3.95	-1.45
1500.	155.	21.05	-5.65	-5.75	-4.35	-1.35
1600.	155.	20.15	-7.65	-7.65	-3.65	-1.65
1700.	155.	21.35	-5.35	-5.45	-4.95	-0.95
1800.	155.	21.75	-3.55	-4.05	-3.05	-0.25
1900.	155.	21.75	-1.95	-2.05	-1.15	0.65
2000.	155.	21.15	-0.55	-0.65	0.15	1.55
2100.	138.	215.95	-0.75	-0.85	0.65	2.25
2200.	124.	216.25	-0.45	-0.55	0.55	2.65
2300.	119.	217.55	0.85	0.75	0.85	3.25
2400.	111.	218.15	1.45	1.35	2.05	4.25
2500.	105.	219.65	2.35	2.85	4.25	5.45
2600.	98.	220.45	1.15	1.05	2.85	7.45
2700.	93.	221.15	-1.15	-1.25	1.85	4.35
2800.	60.	222.25	-3.05	-3.15	-1.15	2.75
2900.	44.	226.15	-2.15	-2.25	-1.95	-0.85

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600, 27 Sep 61 (One-Time)

Table V (8)

FREQUENCY DISTRIBUTIONS OF TEMPERATURES						
Zillst, Austria		Period of Observations: March 1954 - February 1959				
Zillst		Absolute Deviation from ABC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM TEMP.
5.	155.	2.75	4.95	7.35	11.45	296.35
1000.	155.	7.15	8.75	12.75	18.35	306.05
2000.	155.	6.75	9.05	15.45	18.95	294.15
3000.	155.	7.55	9.85	13.75	15.95	284.65
4000.	155.	8.35	10.25	12.75	13.75	275.95
5000.	155.	9.05	10.55	12.95	14.95	270.65
6000.	155.	8.95	10.45	12.55	13.55	262.75
7000.	155.	8.75	10.05	12.05	12.95	253.65
8000.	155.	7.75	9.55	11.15	12.55	246.75
9000.	155.	6.35	7.95	9.65	11.15	240.65
10000.	155.	5.75	7.05	9.75	10.45	233.75
11000.	155.	6.95	8.45	12.05	13.05	231.65
12000.	155.	5.85	8.25	11.45	13.45	230.15
13000.	155.	6.05	7.45	9.35	10.25	226.55
14000.	155.	4.75	6.25	8.35	8.85	225.55
15000.	155.	4.05	5.55	7.85	8.45	225.15
16000.	155.	3.85	4.95	7.05	7.75	224.45
17000.	155.	3.25	4.75	6.45	8.05	224.75
18000.	155.	3.25	4.65	6.45	7.45	224.15
19000.	155.	3.65	4.65	7.35	8.95	225.65
20000.	155.	4.35	5.35	7.35	7.95	224.65
21000.	138.	4.65	6.15	7.45	7.75	224.45
22000.	124.	5.55	6.45	8.05	8.75	225.45
23000.	119.	6.35	7.65	9.25	9.85	226.55
24000.	111.	7.15	8.65	10.75	11.15	227.65
25000.	105.	8.35	9.75	11.85	12.65	225.35
26000.	98.	6.85	7.95	10.35	10.65	225.55
27000.	93.	5.65	6.75	8.45	8.55	230.65
28000.	60.	3.35	4.35	5.55	6.65	231.55
29000.	44.	1.85	2.65	4.75	4.85	233.15

Note: When less than 30 observations were available, frequency distribution data were excluded.

ABC (mm) From 600, 27 Sep 61 (one-time)

Table V (9)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
STATION		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	CUMULATIVE FREQUENCY			
			ABSOLUTE DEVIATION	135 PERCENT	2.28 PERCENT	15.9 PERCENT
5.	150.	278.65	-9.25	-8.35	-7.55	-0.65
1000.	150.	272.35	-9.35	-9.45	-4.45	3.45
2000.	150.	263.95	-11.25	-11.35	-5.05	-1.65
3000.	150.	259.05	-9.65	-9.75	-5.05	4.45
4000.	150.	251.85	-10.35	-10.45	-4.55	5.25
5000.	150.	246.55	-9.15	-8.25	-5.05	6.35
6000.	150.	240.85	-9.35	-8.45	-4.55	6.75
7000.	150.	233.15	-9.55	-9.65	-1.95	6.95
8000.	150.	227.15	-9.05	-9.15	-6.95	6.05
9000.	150.	221.25	-8.45	-8.55	-4.45	5.15
10000.	150.	219.45	-3.85	-3.95	-2.15	3.75
11000.	150.	214.65	-2.15	-2.25	-1.05	3.05
12000.	150.	207.65	-9.05	-9.15	-6.65	-1.55
13000.	149.	204.45	-12.25	-12.35	-9.05	-0.65
14000.	149.	207.75	-8.95	-9.05	-7.75	-1.05
15000.	149.	208.05	-8.65	-8.75	-6.55	-0.95
16000.	149.	209.35	-7.35	-7.45	-6.15	-0.85
17000.	149.	210.35	-6.35	-6.45	-5.45	-0.25
18000.	149.	212.05	-4.65	-4.75	-4.35	0.35
19000.	149.	211.25	-5.45	-5.55	-3.55	-0.25
20000.	149.	212.75	-3.95	-4.05	-2.55	0.85
21000.	116.	214.25	-2.45	-2.55	-2.25	0.85
22000.	115.	213.65	-3.05	-3.15	-1.75	1.15
23000.	112.	214.35	-2.35	-2.45	-1.45	1.75
24000.	111.	214.15	-2.55	-2.65	-2.15	2.95
25000.	105.	215.65	-1.05	-1.15	-0.65	3.75
26000.	97.	216.95	-2.35	-2.45	-2.15	2.65
27000.	80.	217.55	-4.75	-4.85	-4.35	1.25
28000.	66.	216.15	-9.15	-9.25	-6.45	-0.05
29000.	46.	220.55	-7.75	-7.85	-6.75	-1.95

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600, 27 Sep 61 (One-Time)

Table V (9)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

Period of Observation: March 1954 - February 1959

Absolute Deviation from AMEC Model Atmosphere, 1959

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	58.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM TEMP.	ABSOLUTE DEVIATION
5.	150.	1.25	2.65	4.65	6.45	293.35	6.45
1300.	150.	5.65	7.95	11.05	15.35	297.05	15.35
2000.	150.	6.85	9.55	11.45	15.95	291.15	15.95
3000.	150.	7.05	9.85	11.35	14.15	281.85	14.15
4000.	150.	7.85	9.05	11.85	13.05	275.25	13.05
5000.	150.	7.95	9.15	12.05	13.75	265.45	13.75
6000.	150.	7.95	9.45	11.65	13.15	262.35	13.15
7000.	150.	7.45	8.55	11.35	12.25	254.55	12.25
8000.	150.	6.65	7.85	10.25	10.55	248.75	10.55
9000.	150.	4.95	6.45	8.85	9.95	239.65	9.95
10000.	150.	4.05	5.15	7.95	9.85	235.15	9.85
11000.	150.	4.25	5.75	10.65	11.65	228.45	11.65
12000.	150.	0.65	3.35	9.45	10.75	227.45	10.75
13000.	149.	1.15	3.35	7.85	11.45	228.15	11.45
14000.	149.	0.85	2.05	7.75	8.35	225.05	8.35
15000.	149.	0.35	2.35	6.45	8.55	225.25	8.55
16000.	149.	0.15	1.75	5.95	8.25	224.55	8.25
17000.	149.	0.45	2.05	6.35	8.05	224.75	8.05
18000.	149.	0.65	2.05	6.05	7.85	224.55	7.85
19000.	149.	1.15	2.75	6.25	7.55	224.25	7.55
20000.	149.	1.55	2.85	7.05	7.85	224.55	7.85
21000.	116.	1.95	3.45	6.45	8.15	224.85	8.15
22000.	115.	2.55	4.05	6.55	8.35	225.05	8.35
23000.	112.	3.25	4.45	6.75	10.35	227.05	10.35
24000.	111.	4.25	5.15	7.15	8.25	224.55	8.25
25000.	105.	5.25	6.25	7.95	8.25	224.55	8.25
26000.	97.	3.95	4.65	6.65	7.55	226.65	7.55
27000.	80.	2.15	3.65	4.75	4.95	227.25	4.95
28000.	66.	0.85	1.65	2.55	3.35	228.65	3.35
29000.	46.	-0.95	0.25	1.15	1.65	228.55	1.65

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMEC (AMEC) From 600, 27 Sep 61 (one-flux)

Table V (10)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE							
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
OCTOBER		Absolute Deviation from AOMC Model Atmosphere, 1959					
ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	CUMULATIVE PERCENTAGE FREQUENCY				
			ABSOLUTE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT	50.0 PERCENT
5.	155.	270.95	-15.95	-16.05	-11.65	-6.65	-5.55
1000.	154.	271.05	-10.65	-10.75	-9.25	-6.45	-1.85
2000.	154.	264.05	-11.15	-11.25	-9.15	-6.15	1.15
3000.	154.	257.85	-10.85	-10.95	-9.35	-3.25	3.35
4000.	154.	250.75	-11.45	-11.55	-10.55	-2.25	4.65
5000.	154.	242.75	-12.95	-13.05	-9.55	-1.55	4.65
6000.	154.	233.85	-15.35	-15.45	-11.35	-2.45	4.15
7000.	154.	226.55	-16.15	-16.25	-13.05	-3.45	3.45
8000.	154.	220.85	-15.35	-15.45	-13.35	-3.35	2.15
9000.	154.	217.15	-12.55	-12.65	-9.95	-4.25	0.75
10000.	154.	214.55	-8.75	-8.85	-7.95	-3.85	0.25
11000.	154.	209.55	-7.25	-7.35	-5.25	-1.95	1.05
12000.	154.	207.25	-9.45	-9.55	-8.35	-6.25	-2.85
13000.	153.	201.15	-15.55	-15.65	-11.65	-7.25	-3.05
14000.	153.	204.25	-12.45	-12.55	-11.45	-7.35	-3.55
15000.	153.	205.25	-11.45	-11.55	-11.05	-7.15	-3.65
16000.	153.	206.65	-10.05	-10.15	-9.55	-6.95	-3.95
17000.	148.	208.15	-8.55	-8.65	-7.95	-5.75	-3.15
18000.	148.	209.25	-7.45	-7.55	-6.85	-4.75	-2.85
19000.	148.	208.95	-7.75	-7.85	-6.05	-4.75	-2.65
20000.	148.	209.75	-6.95	-7.05	-6.25	-4.45	-2.35
21000.	107.	210.55	-6.15	-6.25	-5.85	-4.25	-2.35
22000.	105.	210.15	-6.55	-6.65	-6.25	-4.55	-2.35
23000.	100.	208.75	-7.95	-8.05	-6.05	-4.25	-1.95
24000.	93.	211.15	-5.55	-5.65	-5.45	-3.45	-0.65
25000.	85.	211.65	-5.05	-5.15	-5.05	-2.65	-0.25
26000.	72.	212.05	-7.25	-7.35	-7.15	-4.45	-1.45
27000.	62.	212.15	-10.15	-10.25	-8.75	-6.25	-2.95
28000.	49.	213.15	-12.15	-12.25	-11.25	-6.25	-6.25

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AOMC (ADMA) Form 600, 27 Sep 61 (One-Time)

Table V (10)

FORM 1 (10)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE

VIENNA, Austria

Period of Observation: March 1954 - February 1959

OCTOBER

Absolute Deviation from AMS Model Atmosphere, 1959

CUMULATIVE FREQUENCY

ALTITUDE METERS	NO. OBS.	68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.665 PERCENT	MAXIMUM TEMP.	ABSOLUTE DEVIATION
5.	155.	-3.95	-1.65	2.35	4.45	291.35	4.45
1000.	154.	0.45	2.75	8.45	10.95	292.65	10.95
2000.	154.	3.75	5.85	9.95	11.25	286.45	11.25
3000.	154.	5.05	6.85	10.05	12.35	281.05	12.35
4000.	154.	5.95	8.05	10.95	12.75	274.95	12.75
5000.	154.	6.05	8.05	10.35	11.15	266.65	11.15
6000.	154.	5.35	7.15	9.65	10.35	259.55	10.35
7000.	154.	4.65	6.45	8.65	9.65	252.35	9.65
8000.	154.	3.25	5.35	7.75	8.95	245.15	8.95
9000.	154.	1.85	3.65	6.85	7.55	237.25	7.55
10000.	154.	1.45	3.05	6.35	7.35	230.65	7.35
11000.	154.	2.15	4.15	8.95	11.15	227.95	11.15
12000.	154.	0.25	3.05	8.15	9.55	226.25	9.55
13000.	153.	-0.15	2.35	6.95	10.35	227.05	10.35
14000.	153.	-1.75	1.35	7.05	9.75	226.45	9.75
15000.	153.	-1.75	0.75	5.25	14.15	236.65	14.15
16000.	153.	-2.15	0.55	5.35	7.85	224.55	7.85
17000.	148.	-2.15	0.05	5.35	7.15	223.85	7.15
18000.	148.	-1.75	0.45	4.35	5.35	222.05	5.35
19000.	148.	-1.65	-0.25	2.25	4.05	220.75	4.05
20000.	148.	-1.65	-0.55	1.65	3.65	220.35	3.65
21000.	107.	-1.45	-0.45	2.45	5.35	222.05	5.35
22000.	105.	-0.75	0.45	2.35	2.45	219.15	2.45
23000.	100.	-0.25	1.35	3.95	4.25	220.95	4.25
24000.	93.	0.55	2.35	5.35	5.55	222.25	5.55
25000.	85.	1.55	3.35	6.55	7.05	223.75	7.05
26000.	72.	0.35	1.45	3.85	5.15	224.45	5.15
27000.	62.	-1.55	-0.25	3.45	3.55	225.85	3.55
28000.	49.	-3.55	-1.45	0.35	0.65	226.15	0.65

Note: When less than 50 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) from 600, 27 Sep 61 (one-time)

Table V (11)

FREQUENCY DISTRIBUTIONS OF TEMPERATURES						
VIENNA, Austria		Period of Observations: March 1954 - February 1959				
NOVEMBER		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	CUMULATIVE PERCENTAGE FREQUENCY		
				-135 PERCENT	-2.8 PERCENT	-15.5 PERCENT
5.	150.	264.95	-21.95	-22.05	-18.65	-9.65
1000.	150.	262.85	-18.85	-18.95	-17.05	-7.65
2000.	150.	255.45	-19.75	-19.85	-14.95	-3.15
3000.	150.	253.05	-15.65	-15.75	-13.85	-0.85
4000.	150.	244.75	-17.45	-17.55	-12.25	0.05
5000.	150.	237.05	-18.65	-18.75	-11.35	0.25
6000.	150.	230.55	-18.15	-18.25	-10.95	-0.85
7000.	150.	224.35	-17.05	-17.15	-12.35	-1.65
8000.	150.	219.15	-13.35	-13.35	-12.15	-3.05
9000.	150.	216.45	-11.65	-11.75	-11.65	-4.55
10000.	150.	211.65	-10.65	-10.75	-8.95	-2.45
11000.	150.	206.15	-12.75	-12.85	-11.65	-3.05
12000.	150.	203.95	-13.05	-13.15	-11.15	-2.15
13000.	150.	203.65	-10.55	-10.65	-9.25	-2.65
14000.	150.	206.15	-11.55	-11.65	-9.35	-3.15
15000.	150.	205.15	-10.55	-10.65	-9.75	-3.25
16000.	146.	206.15	-11.55	-11.65	-9.65	-3.65
17000.	137.	205.45	-12.85	-12.95	-10.55	-3.75
18000.	137.	203.85	-12.85	-12.95	-10.85	-4.35
19000.	136.	203.85	-14.25	-14.35	-12.85	-4.85
20000.	135.	202.45	-14.25	-14.35	-12.85	-4.85
21000.	95.	202.55	-14.15	-14.25	-13.85	-4.45
22000.	91.	201.85	-14.85	-14.95	-13.45	-4.45
23000.	85.	201.25	-15.40	-15.40	-12.70	-4.55
24000.	80.	202.95	-13.70	-13.70	-13.35	-4.55
25000.	65.	202.75	-13.90	-13.90	-13.80	-3.95
26000.	57.	201.95	-17.40	-17.40	-16.20	-6.15
27000.	50.	203.65	-18.65	-18.75	-16.75	-9.25
28000.	35.	205.05	-20.25	-20.35	-20.25	-12.05

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600, 27 Sep 61 (One-Time)

Table V (11)

FREQUENCY DISTRIBUTIONS OF TEMPERATURES						
Zugspitze, Austria		Period of Observation: March 1954 - February 1959				
AVERAGE		Absolute Deviation from AMS Model Atmosphere, 1979				
CORRELATIVE TEMPERATURE DEVIATION						
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	ABSOLUTE DEVIATION
5.	150.	-8.35	-6.35	-2.55	0.45	0.45
1000.	150.	-5.85	-3.05	1.65	5.35	5.35
2000.	150.	-0.25	1.75	4.65	8.15	8.15
3000.	150.	1.05	2.85	5.55	6.85	6.85
4000.	150.	1.75	3.95	6.15	8.85	8.85
5000.	150.	1.65	3.25	5.85	9.65	9.65
6000.	150.	1.15	2.35	6.15	8.85	8.85
7000.	150.	0.15	1.25	5.45	7.45	7.45
8000.	150.	-1.45	-0.05	3.85	6.25	6.25
9000.	150.	-3.25	-1.35	2.65	5.05	5.05
10000.	150.	-3.25	-1.75	2.25	4.25	4.25
11000.	150.	-0.65	1.05	3.95	6.55	6.55
12000.	150.	-0.45	1.35	4.35	8.75	8.75
13000.	150.	-0.45	1.45	3.55	5.75	5.75
14000.	150.	-0.85	0.75	2.55	3.55	3.55
15000.	150.	-1.65	-0.15	1.95	3.35	3.35
16000.	146.	-2.25	-0.95	0.85	6.25	6.25
17000.	137.	-2.25	-1.55	0.45	1.05	1.05
18000.	137.	-2.75	-1.55	-0.35	0.25	0.25
19000.	136.	-3.05	-1.85	0.55	1.05	1.05
20000.	135.	-3.55	-2.55	-0.45	1.15	1.15
21000.	95.	-3.35	-2.55	0.05	2.15	2.15
22000.	91.	-3.55	-2.45	0.45	1.45	1.45
23000.	85.	-3.05	-1.65	0.85	1.05	1.05
24000.	80.	-2.65	-1.25	1.85	4.35	4.35
25000.	65.	-2.55	-1.05	0.45	3.55	3.55
26000.	57.	-4.35	-3.25	-1.05	0.05	0.05
27000.	50.	-8.15	-5.55	-2.25	-1.25	-1.25
28000.	35.	-10.35	-6.35	-1.75	-1.65	-1.65

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) From 600, 27 Sep 61 (one-time)

Table V (12)

FREQUENCY DISTRIBUTIONS OF TEMPERATURES						
VIENNA, Austria		Period of Observations: March 1974 - February 1999				
ELEVATION		Absolute Deviation from AMEC Model Atmosphere, 1999				
		CORRELATIVE FREQUENCIES FREQUENCY				
HEIGHT METERS	NO. OBS.	MINIMUM TEMP.	ABSOLUTE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT
5.	155.	264.35	-23.55	-22.65	-19.25	-15.75
1000.	155.	262.75	-19.95	-19.05	-16.95	-13.35
2000.	155.	254.75	-20.45	-20.55	-18.85	-11.05
3000.	155.	252.75	-15.95	-16.05	-14.35	-9.55
4000.	155.	245.35	-16.85	-16.95	-14.75	-9.15
5000.	155.	237.05	-18.65	-18.75	-15.85	-9.35
6000.	155.	228.85	-20.35	-20.45	-14.95	-9.55
7000.	155.	223.15	-19.55	-19.65	-15.55	-11.35
8000.	155.	216.65	-19.55	-19.65	-15.95	-10.55
9000.	155.	213.05	-16.65	-16.75	-14.65	-10.65
10000.	155.	209.65	-13.65	-13.75	-11.45	-8.25
11000.	155.	206.15	-10.65	-10.75	-10.05	-6.05
12000.	155.	200.65	-16.05	-16.15	-14.85	-7.85
13000.	155.	202.75	-13.95	-14.05	-12.05	-6.65
14000.	154.	203.75	-12.95	-13.05	-11.15	-5.25
15000.	154.	203.95	-12.75	-12.85	-9.95	-5.55
16000.	139.	205.25	-10.45	-10.55	-9.75	-6.05
17000.	128.	203.75	-12.95	-13.05	-11.65	-5.95
18000.	125.	199.35	-17.35	-17.45	-10.25	-6.15
19000.	125.	204.85	-11.85	-11.95	-10.35	-5.95
20000.	123.	207.05	-9.65	-9.75	-9.35	-6.55
21000.	100.	204.35	-12.35	-12.45	-10.75	-6.85
22000.	92.	200.15	-16.55	-16.65	-13.15	-6.95
23000.	81.	201.75	-14.90	-14.90	-14.20	-7.95
24000.	82.	203.35	-13.35	-13.45	-13.35	-9.25
25000.	77.	203.15	-13.50	-13.50	-13.40	-8.65
26000.	61.	202.25	-17.10	-17.10	-16.30	-10.85
27000.	48.	202.45	-19.90	-19.90	-18.90	-13.55
28000.	33.	205.15	-20.15	-20.25	-20.15	-16.05
						-11.65
						-8.95
						-6.05
						-4.05
						-3.55
						-3.65
						-4.35
						-5.45
						-6.35
						-6.95
						-5.25
						-1.95
						-0.75
						-1.05
						-1.45
						-2.35
						-2.45
						-2.75
						-3.35
						-3.45
						-3.75
						-4.15
						-4.55
						-4.05
						-5.15
						-7.35
						-9.75
						-13.15

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMEC (AMM) Form 600, 27 Sep 61 (One-Time)

Table V (12)

FREQUENCY DISTRIBUTIONS OF TEMPERATURES						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
EICHEN		Absolute Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE FREQUENCY				
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	98.865 PERCENT	RESOLUTE DEVIATION
5.	155.	-9.65	-8.05	-4.35	-1.55	-1.55
1000.	155.	-6.35	-3.95	-0.65	1.75	1.75
2000.	155.	-4.25	-1.65	4.45	6.65	6.65
3000.	155.	-2.35	-0.35	4.45	6.65	6.65
4000.	155.	-1.85	0.35	3.95	6.65	6.65
5000.	155.	-2.35	-0.05	4.05	5.45	5.45
6000.	155.	-2.45	-0.75	3.35	5.45	5.45
7000.	155.	-3.35	-1.45	2.45	4.35	4.35
8000.	155.	-4.75	-2.55	1.15	3.75	3.75
9000.	155.	-5.85	-3.65	-0.65	2.45	2.45
10000.	155.	-3.75	-2.35	0.95	4.55	4.55
11000.	155.	-0.05	3.75	7.95	10.65	10.65
12000.	155.	0.35	3.25	8.85	9.45	9.45
13000.	155.	1.05	2.45	6.75	8.45	8.45
14000.	154.	0.85	2.45	5.35	8.85	8.85
15000.	154.	0.15	1.65	3.75	9.85	9.85
16000.	139.	-0.65	1.15	3.15	3.45	3.45
17000.	128.	-0.95	0.55	2.75	4.05	4.05
18000.	125.	-1.55	-0.05	2.25	2.45	2.45
19000.	125.	-1.95	-0.65	1.85	2.45	2.45
20000.	123.	-2.55	-0.75	1.25	3.75	3.75
21000.	100.	-2.25	-1.05	1.25	3.65	3.65
22000.	92.	-2.85	-1.55	1.35	4.75	4.75
23000.	83.	-3.15	-1.55	2.95	6.35	6.35
24000.	82.	-3.25	-1.65	2.45	2.75	2.75
25000.	77.	-3.15	-1.25	2.35	2.85	2.85
26000.	61.	-5.45	-3.25	0.75	2.25	2.25
27000.	49.	-8.65	-5.35	-1.75	1.15	1.15
28000.	33.	-10.25	-8.15	-4.35	-4.25	-4.25

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (Amm) Form 600, 27 Aug 61 (One-Five)

Table V (13)

FREQUENCY DISTRIBUTIONS OF TEMPERATURE						
VIENNA, Austria		Period of Observation: March 1974 - February 1979				
ANNUAL		Absolute Deviation from AMS Model Atmosphere, 1979				
ALTITUDE METERS	NO. OBS.	COMPARATIVE TEMPERATURE FREQUENCY				
		ABSOLUTE DEVIATION	-135 PERCENT	2-28 PERCENT	15-9 PERCENT	50-0 PERCENT
5.	1826.	-35.95	-31.25	-21.05	-13.95	-6.25
1000.	1825.	-33.75	-27.45	-18.15	-11.85	-2.85
2000.	1825.	-25.55	-24.55	-16.55	-9.35	-1.25
3000.	1825.	-23.65	-22.75	-16.35	-7.95	-0.65
4000.	1825.	-24.55	-22.75	-16.45	-7.25	0.95
5000.	1825.	-23.55	-23.35	-16.45	-7.45	0.75
6000.	1825.	-23.45	-24.15	-16.75	-6.05	0.05
7000.	1825.	-23.55	-22.75	-16.15	-5.05	-0.85
8000.	1825.	-20.55	-19.65	-15.35	-9.65	-2.05
9000.	1824.	-18.55	-17.65	-13.75	-5.55	-3.25
10000.	1824.	-14.55	-13.75	-11.05	-7.45	-2.25
11000.	1824.	-15.55	-13.25	-8.95	-4.35	1.15
12000.	1824.	-16.15	-15.85	-11.35	-5.45	0.25
13000.	1822.	-17.75	-15.25	-10.35	-4.55	1.05
14000.	1821.	-14.55	-13.05	-8.95	-3.95	0.95
15000.	1820.	-15.55	-12.85	-8.85	-3.95	0.45
16000.	1755.	-15.05	-13.25	-8.55	-4.25	0.05
17000.	1672.	-16.75	-15.65	-9.05	-4.25	-0.15
18000.	1658.	-18.05	-17.45	-9.55	-4.25	-0.25
19000.	1651.	-18.05	-15.95	-9.95	-4.45	-0.05
20000.	1625.	-18.75	-15.75	-9.45	-4.45	0.25
21000.	1314.	-20.05	-16.05	-10.05	-4.15	1.45
22000.	1236.	-21.25	-16.55	-10.65	-4.45	1.75
23000.	1153.	-20.60	-18.50	-11.00	-3.95	2.55
24000.	1072.	-15.20	-13.45	-10.55	-3.55	3.65
25000.	954.	-13.90	-13.25	-10.15	-2.85	5.05
26000.	828.	-17.40	-16.20	-12.15	-4.35	4.05
27000.	701.	-19.90	-19.80	-14.45	-5.85	2.75
28000.	537.	-20.25	-20.25	-16.15	-7.65	0.95
29000.	330.	-23.75	-23.85	-16.65	-6.35	0.25
30000.	170.	-27.05	-27.15	-21.15	-7.75	-2.05
31000.	87.	-23.55	-23.65	-22.05	-7.05	-3.95

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) Form 600, 27 Sep 61 (one-time)

Table I (13)

1954 Y 1507

FREQUENCY DISTRIBUTIONS OF TEMPERATURES

Period of Observation: March 1954 - February 1959

Absolute Deviation from AMS Model Atmosphere, 1959

COMPARATIVE FREQUENCY

ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM TEMP.	ABSOLUTE DEVIATION
5.	1826.	-1.55	1.75	5.75	11.45	301.35	14.45
1000.	1825.	1.65	5.55	10.95	17.15	300.05	18.35
2000.	1825.	2.55	5.95	10.85	16.85	294.15	18.95
3000.	1825.	3.35	6.35	10.65	15.05	284.65	15.95
4000.	1825.	4.25	7.05	10.95	13.35	275.55	13.75
5000.	1825.	4.45	7.55	11.25	14.25	270.65	14.95
6000.	1825.	4.05	7.25	11.25	13.85	263.55	14.75
7000.	1825.	3.45	6.75	10.65	13.15	250.15	13.45
8000.	1825.	2.15	5.75	9.85	12.35	246.85	12.65
9000.	1824.	0.75	4.35	8.45	11.05	240.55	11.25
10000.	1824.	0.75	3.65	7.55	10.25	235.65	12.35
11000.	1824.	3.55	5.95	10.35	14.15	232.05	15.25
12000.	1824.	2.95	5.95	10.55	13.95	231.15	14.45
13000.	1822.	3.35	5.75	9.65	13.05	230.25	13.55
14000.	1821.	2.95	5.15	8.35	11.15	228.45	11.75
15000.	1820.	2.35	4.35	7.45	10.25	230.85	14.15
16000.	1755.	1.75	3.95	6.75	8.65	226.35	9.65
17000.	1672.	1.55	3.35	6.15	8.25	225.35	8.65
18000.	1658.	1.45	3.15	5.75	8.15	225.55	9.25
19000.	1651.	1.55	3.25	5.95	9.25	230.15	13.45
20000.	1625.	2.15	3.65	6.55	11.85	230.35	13.65
21000.	1314.	3.25	4.65	7.45	13.05	231.45	14.75
22000.	1236.	3.85	5.25	7.75	17.55	237.65	21.15
23000.	1153.	4.75	6.15	8.95	19.35	230.45	19.75
24000.	1072.	5.65	7.25	10.15	21.55	236.85	22.15
25000.	954.	6.95	8.45	11.45	24.45	241.35	24.65
26000.	828.	5.85	7.55	10.35	27.25	246.65	25.35
27000.	701.	4.55	5.65	8.55	24.15	240.55	24.25
28000.	537.	2.65	4.25	7.45	25.95	251.35	26.05
29000.	330.	1.75	2.85	5.75	24.35	252.65	24.35
30000.	170.	-0.05	1.15	3.25	5.65	236.85	5.65
31000.	87.	-2.05	-0.45	2.65	3.65	237.65	3.65

VIENNA, Austria

ANNUAL

Note: When less than 50 observations were available, frequency distribution data were excluded.

AMS (mm.) from 600, 27 Aug 61 (one-time)

Table VI (1)

12-157

FREQUENCY DISTRIBUTIONS OF AIR DENSITY

Period of Observation: March 1954 - February 1959

VIENNA, Austria

Percent Deviation from AMS Model Atmosphere, 1959

JANUARY

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE FEET	NO. OBS.	MINIMUM DENSITY	PERCENTAGE DEVIATION	+135 PERCENT	-2.8 PERCENT	-15.3 PERCENT	50.0 PERCENT
0.	155.	0.11340	0.70	0.89	1.44	3.94	5.59
100.	155.	0.11130	-1.25	-2.03	-0.79	1.23	3.97
200.	155.	0.09360	-3.02	-3.12	-1.36	0.10	2.14
300.	155.	0.08030	-2.59	-2.70	-1.40	-0.00	1.62
400.	155.	0.05160	-2.18	-2.40	-1.56	-0.24	1.08
500.	155.	0.07370	-1.56	-2.00	-1.46	-0.27	1.07
600.	155.	0.06420	-1.67	-1.78	-1.04	-0.15	1.19
700.	155.	0.05800	-2.58	-2.66	-1.33	-0.05	1.16
800.	155.	0.05185	-3.79	-3.45	-2.42	-0.47	1.03
900.	155.	0.04420	-7.14	-7.25	-4.73	-1.47	1.05
1000.	155.	0.03785	-10.20	-10.32	-8.19	-4.27	0.12
1100.	155.	0.03425	-13.31	-13.44	-11.29	-7.80	2.55
1200.	155.	0.02760	-13.31	-13.36	-11.16	-8.02	3.46
1300.	155.	0.02400	-11.76	-11.85	-10.48	-7.54	4.23
1400.	155.	0.02080	-10.11	-10.32	-9.46	-7.53	3.87
1500.	155.	0.01800	-9.55	-9.80	-9.05	-7.25	4.27
1600.	147.	0.01545	-9.12	-9.41	-8.82	-6.76	4.12
1700.	147.	0.01320	-8.67	-9.10	-8.41	-6.07	3.59
1800.	146.	0.01136	-8.25	-8.55	-8.06	-5.13	3.55
1900.	146.	0.00968	-8.68	-8.87	-8.11	-5.65	3.77
2000.	140.	0.00528	-9.81	-9.03	-8.37	-6.01	4.19
2100.	114.	0.00732	-9.30	-9.56	-8.27	-6.72	3.88
2200.	106.	0.00802	-3.06	-9.37	-9.06	-7.25	3.93
2300.	94.	0.00312	-3.54	-9.89	-9.19	-7.77	4.24
2400.	80.	0.00432	-11.11	-11.52	-10.70	-7.62	4.53
2500.	65.	0.00368	-11.11	-11.35	-10.67	-7.25	4.35
2600.	51.	0.00311	-11.40	-11.68	-10.26	-6.84	4.84
2700.	36.	0.00264	-11.11	-11.45	-11.11	-5.72	5.70

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (ASMA) Form 600-2, 27 Sep 61 (Rev-21-58)

Table VI (1)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VINNA, Austria	Period of Observation: March 1954 - February 1959					
JANUARY	Percent Deviation from AMS Model Atmosphere, 1959					
	CUMULATIVE PERCENTAGE FREQUENCY					
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	155.	6.41	7.95	11.30	12.05	12.05
1000.	155.	4.85	6.08	8.02	9.44	9.44
2000.	155.	3.51	4.58	6.04	6.52	6.52
3000.	155.	2.37	3.56	5.39	5.72	5.72
4000.	155.	2.04	3.11	5.03	5.63	5.63
5000.	155.	1.60	2.40	4.39	5.19	5.19
6000.	155.	1.49	2.08	3.27	4.61	4.61
7000.	155.	1.58	2.08	3.16	3.66	3.66
8000.	155.	1.58	2.14	2.80	2.89	2.89
9000.	155.	1.89	2.42	3.15	3.78	3.78
10000.	155.	1.30	2.25	3.08	3.80	3.80
11000.	155.	-0.13	1.61	2.96	3.76	3.76
12000.	155.	-1.57	0.63	5.82	6.60	6.60
13000.	155.	-2.94	-1.47	6.25	7.72	7.72
14000.	155.	-2.80	-1.72	2.58	3.87	3.87
15000.	155.	-3.27	-1.76	1.01	2.76	2.76
16000.	147.	-3.24	-1.76	0.59	3.53	3.53
17000.	147.	-2.76	-1.38	0.41	3.72	3.72
18000.	146.	-2.74	-1.29	0.48	3.55	3.55
19000.	146.	-2.83	-1.69	0.19	1.51	1.51
20000.	140.	-2.64	-1.98	-0.66	-0.44	-0.44
21000.	114.	-2.84	-1.81	-0.52	0.00	0.00
22000.	106.	-2.72	-2.11	-0.60	0.30	0.30
23000.	94.	-3.18	-2.47	0.00	1.41	1.41
24000.	80.	-3.70	-2.47	0.41	0.82	0.82
25000.	65.	-3.14	-2.42	0.00	1.21	1.21
26000.	51.	-3.13	-1.42	0.57	1.14	1.14
27000.	36.	-2.02	-0.34	2.02	2.36	2.36

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (mm) from 600-2, 27 Aug 61 (one-time)

Table VI (2)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
FEBRUARY		Percent Deviation from ABC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		RELATIVE DEVIATION	-135 PERCENT	-2.28 PERCENT	-15.9 PERCENT	50.0 PERCENT
5.	141.	0.46	0.45	0.94	2.58	5.67
100.	141.	-4.14	-4.23	-1.68	0.66	3.88
200.	141.	-5.16	-5.26	-1.46	0.49	2.24
300.	141.	-6.64	-6.75	-1.40	0.11	1.62
400.	141.	-4.55	-4.67	-1.32	-0.12	1.44
500.	141.	-4.26	-4.39	-1.46	0.00	1.33
600.	141.	-3.71	-3.86	-1.34	0.15	1.19
700.	141.	-3.57	-3.66	-1.41	-0.25	1.08
800.	141.	-5.02	-5.13	-3.36	-1.12	0.93
900.	140.	-8.53	-8.03	-6.93	-6.42	0.74
1000.	140.	-11.74	-11.86	-9.85	-6.29	1.07
1100.	140.	-14.25	-14.38	-12.10	-5.14	4.84
1200.	140.	-13.99	-14.15	-11.48	-5.12	5.50
1300.	140.	-12.80	-12.68	-11.76	-6.82	5.51
1400.	140.	-11.61	-11.83	-11.18	-8.60	5.16
1500.	140.	-10.80	-11.06	-10.80	-8.04	5.28
1600.	140.	-12.55	-10.59	-10.00	-7.65	5.00
1700.	140.	-8.52	-9.66	-10.24	-6.50	4.28
1800.	140.	-9.35	-9.52	-8.55	-6.77	4.19
1900.	140.	-9.43	-9.62	-8.06	-6.79	4.15
2000.	133.	-9.68	-9.91	-8.59	-7.05	4.19
2100.	103.	-10.85	-11.11	-8.82	-6.98	3.36
2200.	91.	-11.78	-12.08	-10.27	-7.22	3.32
2300.	78.	-15.55	-15.90	-14.49	-8.13	3.53
2400.	67.	-16.87	-17.26	-16.46	-8.05	4.53
2500.	57.	-17.35	-17.63	-16.43	-8.42	4.11
2600.	51.	-17.32	-17.66	-17.38	-8.55	3.42
2700.	33.	-16.24	-17.17	-16.84	-8.08	2.02

Note: When less than 30 observations were available, frequency distribution data were excluded.

ABC (ABMA) Form 600-2, 27 Sep 61 (One-Time)

Table VI (2)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
FREQUENCY		Percent Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	Cumulative Percentage Frequency				
		68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	141.	6.99	9.43	12.13	15.72	15.72
1000.	141.	5.20	6.97	10.93	13.40	13.40
2000.	141.	3.31	4.77	7.98	9.35	9.35
3000.	141.	2.70	4.10	5.93	6.36	6.36
4000.	141.	2.28	3.23	4.91	5.39	5.39
5000.	141.	2.00	2.80	3.99	5.19	5.19
6000.	141.	1.78	2.38	3.86	5.20	5.20
7000.	141.	1.66	2.49	3.91	4.49	4.49
8000.	141.	1.40	2.52	3.82	4.66	4.66
9000.	140.	1.79	2.94	4.10	4.94	4.94
10000.	140.	0.95	2.49	3.80	4.39	4.39
11000.	140.	-1.34	1.88	3.63	4.17	4.17
12000.	140.	-2.20	2.04	6.45	6.92	6.92
13000.	140.	-3.31	-0.37	4.96	6.07	6.07
14000.	140.	-3.23	-0.65	1.51	4.73	4.73
15000.	140.	-3.52	-1.01	1.26	1.76	1.76
16000.	140.	-2.94	-0.59	1.47	2.35	2.35
17000.	140.	-2.48	-0.69	1.10	2.07	2.07
18000.	140.	-2.42	-0.97	0.81	1.45	1.45
19000.	140.	-2.64	-0.94	0.57	0.75	0.75
20000.	133.	-2.64	-1.54	-0.22	0.44	0.44
21000.	103.	-2.33	-1.55	-0.52	0.00	0.00
22000.	91.	-2.42	-1.51	-0.60	-0.30	-0.30
23000.	78.	-2.47	-1.77	-0.71	-0.35	-0.35
24000.	67.	-2.88	-2.06	-1.23	-0.82	-0.82
25000.	57.	-2.66	-1.45	-0.72	-0.48	-0.48
26000.	51.	-1.99	-0.57	0.57	0.85	0.85
27000.	33.	-0.67	1.01	2.02	2.36	2.36

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) from 600-9, 27 Sep 61 (00-0200)

Table VI (3)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
MARCH		Percent Deviation from AMC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	97.72 PERCENT	99.865 PERCENT	MAXIMUM DENSITY	RELATIVE DEVIATION
5.	155.	5.42	8.54	11.07	0.13610	11.07
1000.	155.	4.41	7.50	8.38	0.12250	8.38
2000.	155.	2.82	6.36	7.77	0.11160	8.67
3000.	155.	2.16	5.75	7.07	0.09950	7.77
4000.	155.	1.80	5.26	6.43	0.08940	7.07
5000.	155.	1.60	4.26	4.93	0.07850	4.93
6000.	155.	1.49	3.12	4.61	0.07040	4.61
7000.	155.	1.50	2.08	3.91	0.06250	3.91
8000.	155.	1.40	2.80	3.45	0.05550	3.45
9000.	155.	1.79	3.36	3.57	0.04930	3.57
10000.	155.	0.83	3.20	4.03	0.04385	4.03
11000.	155.	-0.54	3.09	3.49	0.03850	3.49
12000.	155.	-2.52	5.03	6.29	0.03360	6.29
13000.	155.	-3.49	2.39	6.62	0.02900	6.62
14000.	155.	-3.01	0.43	3.87	0.02415	3.87
15000.	155.	-3.27	0.25	3.02	0.02050	3.02
16000.	131.	-2.65	0.88	1.47	0.01725	1.47
17000.	123.	-2.48	0.97	2.34	0.01484	2.34
18000.	123.	-2.58	1.45	1.94	0.01264	1.94
19000.	123.	-2.64	-0.19	0.75	0.01086	0.75
20000.	121.	-2.64	-0.44	-0.00	0.00950	-0.00
21000.	93.	-2.58	-1.03	0.00	0.00774	0.00
22000.	89.	-2.72	-1.21	-0.30	0.00660	-0.30
23000.	77.	-3.18	-1.41	-0.71	0.00562	-0.71
24000.	66.	-3.70	-1.23	-0.82	0.00482	-0.82
25000.	50.	-3.14	-0.97	-0.48	0.00412	-0.48
26000.	40.	-2.28	0.28	0.57	0.00353	0.57
27000.	30.	-1.35	1.35	1.68	0.00302	1.68

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (AMM) From 600-5, 27 Sep 61 (one-time)

Table VI (b)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
APRIL		Percent Deviation from ABC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		RELATIVE DENSITY	+13% PERCENT	-2.28 PERCENT	-15.5 PERCENT	-50.0 PERCENT
5.	150.	0.12129	-1.01	-1.02	-0.61	2.82
100.	150.	0.11026	-2.84	-2.91	-2.56	2.29
200.	150.	0.09976	-3.71	-3.02	-1.95	2.04
300.	150.	0.09160	-3.05	-2.16	-1.62	1.51
400.	150.	0.08170	-2.10	-2.28	-1.68	1.08
500.	150.	0.07320	-1.77	-1.36	-1.60	1.07
700.	150.	0.06650	-1.40	-1.63	-1.04	1.04
900.	150.	0.05970	-1.41	-1.50	-1.25	1.25
1000.	150.	0.05275	-1.03	-1.77	-1.03	1.12
1200.	150.	0.04540	-4.02	-4.73	-2.54	1.26
1400.	150.	0.03870	-3.19	-8.30	-6.52	-0.24
1600.	150.	0.03225	-10.62	-10.75	-9.54	-3.36
1800.	150.	0.02850	-10.72	-10.53	-9.43	-4.25
2000.	150.	0.02440	-10.29	-10.48	-8.82	-4.41
2200.	150.	0.02180	-10.54	-10.75	-8.60	-4.09
2400.	150.	0.01820	-8.54	-8.79	-8.04	-4.27
2600.	136.	0.01555	-3.53	-8.82	-7.65	-3.53
2800.	129.	0.01324	-8.03	-8.83	-7.31	-2.76
3000.	124.	0.01148	-7.42	-7.58	-6.77	-2.42
3200.	122.	0.00924	-7.17	-7.55	-6.42	-2.26
3400.	83.	0.00832	-7.53	-8.15	-6.83	-2.42
3600.	83.	0.00718	-7.54	-7.49	-5.54	-1.81
3800.	80.	0.00610	-7.85	-8.16	-6.04	-1.81
4000.	71.	0.00516	-8.48	-8.83	-7.77	-1.77
4200.	61.	0.00432	-10.28	-10.70	-9.47	-2.06
4400.	48.	0.00387	-11.25	-11.59	-9.18	-1.45
4600.	38.	0.00322	-3.70	-3.99	-3.70	-0.57
4800.	35.	0.00284	-3.70	-4.04	-3.70	-0.34
5000.	32.	0.00244	-3.17	-3.57	-3.17	0.79

Note: When less than 30 observations were available, frequency distribution data were excluded.

ABC (MMA) Form 600-2, 27 Sep 61 (One-Time)

Table VI (4)

		FREQUENCY DISTRIBUTIONS OF AIR DENSITY				
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
APRIL		Percent Deviation from AMS Model Atmosphere, 1959				
		CUMULATIVE PERCENTAGE FREQUENCY				
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE LEVIGATION
5.	150.	3.88	4.77	6.16	6.66	0.13070
1000.	150.	3.17	4.23	5.64	6.53	0.12660
2000.	150.	2.73	3.89	5.36	6.62	0.10950
3000.	150.	2.05	2.91	4.31	6.58	0.09880
4000.	150.	1.56	2.40	3.71	5.27	0.06790
5000.	150.	1.46	2.00	3.20	4.39	0.07840
6000.	150.	1.49	1.93	2.82	4.01	0.07000
7000.	150.	1.66	2.08	2.83	3.24	0.06210
8000.	150.	1.58	1.96	2.80	3.17	0.05335
9000.	150.	1.68	2.21	3.36	4.10	0.04555
10000.	150.	0.71	1.66	2.97	3.91	0.04360
11000.	150.	-1.61	0.00	2.42	3.09	0.03835
12000.	150.	-2.83	-0.47	4.87	6.13	0.03375
13000.	150.	-3.31	-2.39	2.02	3.86	0.02825
14000.	150.	-3.01	-2.15	0.43	1.94	0.02370
15000.	150.	-3.02	-1.76	0.25	1.76	0.02025
16000.	136.	-2.65	-1.76	1.18	1.76	0.01730
17000.	129.	-1.93	-0.97	1.38	2.90	0.01452
18000.	124.	-1.61	-0.65	1.45	3.39	0.01262
19000.	122.	-1.51	-0.38	1.13	3.02	0.01092
20000.	122.	-1.54	-0.44	1.32	2.64	0.00932
21000.	83.	-1.03	-0.26	1.81	2.07	0.00750
22000.	80.	-1.21	-0.30	1.81	2.11	0.00676
23000.	71.	-1.06	-0.35	1.41	1.77	0.00576
24000.	61.	-1.23	-0.82	0.82	1.23	0.00452
25000.	48.	-0.72	-0.24	1.21	1.45	0.00420
26000.	38.	0.00	0.28	2.28	2.56	0.00360
27000.	35.	0.67	1.01	2.36	2.69	0.00305
28000.	32.	1.59	1.98	3.17	3.57	0.00261

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (MSM) From 600-3, 27 Sep 61 (one-time)

Table VI (5)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY							
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
MAY		Percent Deviation from AMC Model Atmosphere, 1959					
CUMULATIVE PERCENTAGE FREQUENCY							
RELATIVE PRESSURE	NO. OBS.	MINIMUM DENSITY	RELATIVE DEVIATION	135 PERCENT	2.28 PERCENT	15.5 PERCENT	50.0 PERCENT
5.	155.	0.11750	-3.67	-3.88	-2.64	-0.41	1.02
100.	155.	0.10760	-5.11	-5.20	-4.50	-1.55	-0.26
200.	155.	0.09840	-4.19	-4.23	-3.50	-1.56	-0.19
300.	155.	0.08910	-3.02	-3.13	-2.59	-1.25	-0.11
400.	155.	0.08180	-2.04	-2.16	-1.50	-1.20	-0.36
500.	155.	0.07470	-1.86	-2.00	-1.60	-1.07	-0.27
600.	155.	0.06660	-1.59	-2.08	-1.19	-0.95	0.15
700.	155.	0.05915	-1.66	-1.75	-0.75	-0.68	0.50
800.	155.	0.05305	-1.12	-1.30	-0.65	0.47	1.03
900.	155.	0.04655	-2.21	-2.31	-0.55	1.05	1.79
1000.	155.	0.03940	-6.52	-6.64	-4.03	0.12	1.78
1100.	155.	0.03375	-9.27	-9.41	-7.12	-3.36	0.54
1200.	155.	0.02905	-8.65	-8.81	-6.92	-3.77	-0.79
1300.	155.	0.02520	-7.35	-7.54	-6.43	-3.66	-1.47
1400.	155.	0.02160	-7.10	-7.31	-5.81	-3.23	-1.08
1500.	155.	0.01860	-6.53	-6.78	-5.28	-3.02	-0.75
1600.	155.	0.01610	-5.29	-5.59	-4.71	-2.94	-0.29
1700.	112.	0.01390	-4.14	-4.28	-4.00	-1.75	0.28
1800.	107.	0.01192	-3.57	-4.19	-3.23	-1.61	0.65
1900.	103.	0.01028	-3.02	-3.21	-2.64	-1.34	0.94
2000.	95.	0.00885	-2.00	-2.42	-2.20	-1.10	0.88
2100.	78.	0.00760	-1.81	-2.07	-2.07	-1.03	1.55
2200.	74.	0.00642	-3.02	-3.32	-2.11	-1.21	0.91
2300.	72.	0.00552	-2.47	-2.83	-2.12	-1.06	1.06
2400.	67.	0.00470	-3.29	-3.70	-2.47	-1.23	0.82
2500.	56.	0.00402	-2.90	-3.14	-2.17	-0.97	0.72
2600.	43.	0.00347	-1.14	-1.42	-1.42	-0.28	1.42
2700.	41.	0.00294	-1.01	-1.35	-1.01	0.67	2.36
2800.	32.	0.00253	0.00	0.00	0.40	2.36	3.97

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

Table VI (2)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
MAY		Percent Deviation from AMEC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY			MAXIMUM DENSITY	RELATIVE DEVIATION
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT		
5.	155.	1.92	2.49	4.04	0.12870	5.03
1000.	155.	0.88	2.62	3.00	0.11880	4.76
2000.	155.	0.88	1.95	3.02	0.10710	4.49
3000.	155.	0.43	1.19	2.70	0.09710	4.75
4000.	155.	0.12	0.72	2.28	0.08640	3.47
5000.	155.	0.27	0.80	2.13	0.07710	2.66
6000.	155.	0.59	1.04	1.93	0.06900	2.53
7000.	155.	0.91	1.58	2.33	0.06100	3.08
8000.	155.	1.40	1.96	2.61	0.05520	2.89
9000.	155.	2.21	2.52	3.36	0.04940	3.78
10000.	155.	2.25	2.65	3.32	0.04370	3.68
11000.	155.	1.88	2.69	3.49	0.03865	3.90
12000.	155.	1.42	4.40	6.60	0.03405	7.08
13000.	155.	0.18	2.21	7.35	0.02945	8.27
14000.	155.	-0.22	1.72	4.95	0.02480	6.67
15000.	155.	0.25	1.51	4.02	0.02080	4.52
16000.	155.	0.59	1.76	3.24	0.01780	4.71
17000.	112.	1.24	2.62	3.86	0.01516	4.55
18000.	107.	1.61	2.74	4.68	0.01304	5.16
19000.	103.	2.08	3.02	4.72	0.01112	4.91
20000.	98.	1.98	2.66	4.19	0.00948	4.41
21000.	78.	2.58	3.10	4.39	0.00806	4.39
22000.	74.	2.42	3.02	3.93	0.00690	4.23
23000.	72.	2.47	2.87	3.89	0.00590	4.24
24000.	67.	1.65	2.47	3.29	0.00504	3.70
25000.	56.	1.93	2.66	3.14	0.00428	3.39
26000.	43.	2.85	3.42	3.70	0.00364	3.70
27000.	41.	3.70	4.38	4.71	0.00311	4.71
28000.	32.	5.16	5.56	6.35	0.00268	5.35

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMEC (ASMA) Form 600-2, 27 Sep 61 (one-time)

Table VI (6)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY

Period of Observation: March 1954 - February 1959

Percent Deviation from AMS Model Atmosphere, 1959

ALTITUDE METERS	NO. OBS.	MINIMUM DENSITY	CUMULATIVE PERCENTAGE FREQUENCY				15.0 PERCENT	50.0 PERCENT
			RELATIVE REDUCTION	+135 PERCENT	2.28 PERCENT	-1.93 PERCENT		
5.	150.	0.11800	-3.70	-3.71	-2.82	-1.93	-0.52	
10.	150.	0.10340	-4.41	-4.50	-4.23	-3.05	-1.59	
15.	150.	0.09820	-4.38	-4.48	-3.70	-2.93	-1.17	
20.	150.	0.09380	-4.21	-4.31	-3.13	-1.54	-1.19	
25.	150.	0.08800	-3.35	-3.47	-2.87	-1.52	-1.06	
30.	150.	0.08070	-3.10	-3.33	-2.53	-1.73	-1.07	
35.	150.	0.07270	-2.82	-2.97	-2.23	-1.18	-0.59	
40.	150.	0.06340	-2.67	-2.91	-1.66	-0.67	0.00	
45.	150.	0.05345	-1.96	-2.05	-1.03	-0.63	0.65	
50.	150.	0.04360	-2.42	-2.52	-0.42	-0.84	1.56	
55.	150.	0.04345	-4.15	-4.27	-2.14	-0.83	2.02	
60.	150.	0.04040	-3.71	-6.85	-5.11	-0.54	1.88	
65.	150.	0.02770	-3.75	-5.50	-4.56	-1.41	2.67	
70.	150.	0.02010	-4.53	-5.15	-3.86	-1.47	1.47	
75.	150.	0.02555	-3.27	-3.44	-3.01	-0.85	1.29	
80.	150.	0.02150	-3.02	-3.27	-2.26	-0.50	1.51	
85.	149.	0.01820	-2.64	-2.94	-2.06	-0.26	1.76	
90.	149.	0.01855	-1.72	-1.86	-0.69	0.33	2.21	
95.	149.	0.01420	-1.12	-1.29	-0.32	1.35	2.56	
100.	149.	0.01120	-0.77	-0.75	-0.19	1.13	3.02	
105.	149.	0.01054	-0.66	-0.88	-0.44	1.10	2.64	
110.	149.	0.00802	-0.66	-0.52	-0.26	1.36	2.84	
115.	139.	0.00774	-0.52	-0.52	-0.60	1.06	2.72	
120.	131.	0.00596	-0.51	-0.71	-0.35	1.06	2.47	
125.	128.	0.00544	-0.51	-1.23	-0.41	0.41	2.09	
130.	121.	0.00482	-0.51	-1.21	0.00	0.57	2.42	
135.	111.	0.00410	-0.57	-0.57	0.57	1.31	3.13	
140.	95.	0.00350	1.75	1.01	1.35	2.65	4.38	
145.	81.	0.00321	2.38	1.98	2.36	3.52	5.16	
150.	55.	0.00248	1.87	1.40	1.87	3.74	5.61	
155.	49.	0.00216	1.64	1.09	1.64	5.46	7.10	
160.	31.	0.00186						

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) Form 600-2, 27 Sep 61 (One-Time)

Table VI (6)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VINNA, Austria	Period of Observation: March 1954 - February 1959					
JUNE	Percent Deviation from AMS Model Atmosphere, 1959					
	Cumulative Percentage Frequency					
ALTITUDE METERS	NO. OBS.	±0.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE FREQUENCY
5.	150.	0.05	0.70	2.01	2.66	2.66
1000.	150.	-0.79	0.00	1.23	1.76	1.76
2000.	150.	-0.78	0.00	1.46	2.43	2.43
3000.	150.	-0.05	0.11	1.73	2.37	2.37
4000.	150.	-0.72	-0.36	1.20	2.40	2.40
5000.	150.	-0.67	-0.10	1.33	1.86	1.86
6000.	150.	-0.30	0.15	1.34	2.23	2.23
7000.	150.	0.25	0.75	1.91	2.74	2.74
8000.	150.	0.93	1.21	1.86	2.14	2.14
9000.	150.	1.81	2.21	2.73	3.05	3.05
10000.	150.	2.37	2.85	3.32	3.91	3.91
11000.	150.	2.69	3.23	3.90	4.17	4.17
12000.	150.	4.72	3.97	7.39	7.26	7.26
13000.	150.	2.94	4.56	9.19	10.85	10.85
14000.	150.	2.37	3.44	7.31	9.03	9.03
15000.	149.	2.51	3.52	5.22	7.29	7.29
16000.	149.	2.94	3.82	5.88	6.76	6.76
17000.	149.	3.59	4.39	6.34	6.90	6.90
18000.	149.	3.87	4.68	6.13	6.45	6.45
19000.	149.	3.96	4.53	6.23	6.79	6.79
20000.	149.	3.52	4.19	5.29	5.95	5.95
21000.	139.	3.62	4.39	5.43	5.94	5.94
22000.	131.	3.32	3.93	5.44	6.04	6.04
23000.	128.	3.18	3.69	5.30	5.65	5.65
24000.	121.	2.88	3.29	4.53	5.35	5.35
25000.	111.	3.14	3.62	4.59	6.04	6.04
26000.	95.	3.99	4.56	5.41	6.55	6.55
27000.	81.	5.05	5.32	7.07	7.41	7.41
28000.	65.	5.95	6.35	8.33	8.33	8.33
29000.	49.	6.54	7.01	9.81	10.28	10.28
30000.	31.	7.65	9.20	9.84	9.84	9.84

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) from 600-2, 27 Aug 61 (one-time)

Table VI (T)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
JULY		Percent Deviation from AMSL Model Atmosphere, 1959							
TIME	% 0-1.	MINIMUM DENSITY	RELATIVE DEVIATION	.135 PERCENT	.28 PERCENT	15.5 PERCENT	50.0 PERCENT		
0000	155.	1.11250	-7.77	-4.94	-4.03	-2.76	-1.26		
0100	155.	0.10100	-5.34	-5.73	-5.39	-3.44	-2.20		
0200	155.	0.13600	-4.58	-4.67	-4.58	-3.21	-1.66		
0300	155.	0.08950	-3.45	-3.56	-3.13	-2.21	-1.51		
0400	155.	0.08130	-2.03	-2.75	-2.63	-2.04	-1.44		
0500	155.	0.07280	-2.63	-3.06	-2.80	-2.00	-1.33		
0600	155.	0.06580	-2.74	-2.38	-2.23	-1.48	-0.89		
0700	155.	0.05895	-2.00	-2.08	-1.75	-1.00	-0.33		
0800	155.	0.05255	-3.01	-2.14	-1.30	-0.37	0.37		
0900	155.	0.04670	-1.83	-2.00	-1.05	0.42	1.26		
1000	155.	0.04030	-4.33	-4.51	-1.66	0.47	1.78		
1100	155.	0.03475	-6.54	-6.72	-4.70	-1.75	1.88		
1200	155.	0.03020	-5.53	-3.19	-3.62	-2.20	2.20		
1300	155.	1.00015	-3.86	-4.04	-2.57	-1.47	1.84		
1400	155.	0.02330	-1.94	-2.15	-1.51	-0.43	2.15		
1500	155.	0.01985	-1.38	-1.51	-0.75	0.25	3.02		
1600	155.	0.01700	7.00	-0.29	0.29	1.47	3.53		
1700	155.	1.01458	0.13	0.41	1.38	2.34	4.28		
1800	155.	0.01260	1.61	1.45	1.94	2.74	4.35		
1900	155.	0.01074	1.22	1.13	1.89	2.83	4.15		
2000	155.	1.00620	1.32	1.10	1.32	2.42	3.52		
2100	148.	0.00788	1.33	1.29	1.61	2.58	3.62		
2200	138.	0.00674	1.61	1.21	1.81	2.42	3.63		
2300	134.	0.00570	1.37	1.41	1.77	2.47	3.89		
0000	133.	0.00492	1.23	0.82	1.23	2.06	3.29		
0100	130.	0.00420	1.45	1.21	1.69	2.42	3.62		
0200	125.	0.00360	2.56	2.28	2.85	3.42	4.56		
0300	112.	0.00308	3.70	3.37	3.70	4.71	5.72		
0400	87.	0.00263	4.37	3.97	4.37	5.56	6.75		
0500	68.	0.00226	5.61	5.14	5.61	6.54	7.48		

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (ASMA) Form 600-3, 27 Sep 61 (One-Time)

Table VI (7)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
JULY		Percent Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.005 PERCENT	RELATIVE DEVIATION
5.	155.	-0.69	-0.21	0.94	2.58	2.58
1000.	155.	-1.41	-0.79	0.26	0.62	0.62
2000.	155.	-1.07	-0.49	0.29	1.17	1.17
3000.	155.	-1.08	-0.54	0.32	0.86	0.86
4000.	155.	-1.20	-0.60	0.00	0.48	0.48
5000.	155.	-1.07	-0.67	0.13	0.67	0.67
6000.	155.	-0.59	-0.30	0.59	0.89	0.89
7000.	155.	0.00	0.25	1.08	1.58	1.58
8000.	155.	0.65	0.84	1.40	1.68	1.68
9000.	155.	1.58	1.89	2.31	2.73	2.73
10000.	155.	2.14	2.61	3.20	4.15	4.15
11000.	155.	2.55	3.09	3.90	4.30	4.30
12000.	155.	3.93	5.57	7.55	7.86	7.86
13000.	155.	3.31	6.25	9.56	10.48	10.48
14000.	155.	3.87	5.81	8.39	10.11	10.11
15000.	155.	4.77	5.78	9.05	10.80	10.80
16000.	155.	4.71	6.18	9.12	10.59	10.59
17000.	155.	5.10	6.34	8.55	11.03	11.03
18000.	155.	5.00	5.97	8.39	9.52	9.52
19000.	155.	4.91	5.47	7.74	9.25	9.25
20000.	155.	4.19	4.85	7.49	8.37	8.37
21000.	148.	4.39	5.17	6.72	8.01	8.01
22000.	138.	4.23	5.14	7.25	7.55	7.55
23000.	134.	4.24	4.95	6.71	7.42	7.42
24000.	133.	3.70	4.53	6.17	6.58	6.58
25000.	130.	4.35	5.07	6.52	7.25	7.25
26000.	125.	5.41	5.98	7.12	7.69	7.69
27000.	112.	6.40	7.07	8.42	9.09	9.09
28000.	87.	7.14	7.94	9.52	9.92	9.92
29000.	68.	8.41	9.35	10.75	11.21	11.21

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) from 600-5, 27 Aug 61 (one-time)

Table VI (8)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY							
VIENNA, Austria		Period of Observation: March 1974 - February 1979					
Altitude		Percent Deviation from AMC Model Atmosphere, 1979					
		Cumulative Percentage Frequency					
Altitude (Feet)	No. Obs.	Minimum Density	Relative Deviation	.135 Percent	2.28 Percent	15.5 Percent	50.0 Percent
5.	155.	1.1160.	-5.74	-5.35	-3.62	-2.32	-0.93
1000.	155.	0.10610	-5.44	-6.61	-5.11	-3.33	-1.85
2000.	155.	0.00900	-6.52	-6.62	-5.06	-2.92	-1.46
3000.	155.	0.00810	-4.85	-4.96	-3.88	-2.59	-1.29
4000.	155.	0.00740	-3.71	-3.83	-2.99	-2.16	-1.32
5000.	155.	0.00610	-4.76	-4.39	-3.06	-2.00	-1.33
7000.	155.	0.00520	-5.12	-3.27	-2.53	-1.45	-0.74
8000.	155.	0.00480	-3.24	-2.33	-1.91	-0.91	-0.25
9000.	155.	0.00555	-2.05	-2.14	-1.86	-1.22	0.37
10000.	155.	0.00480	-1.82	-1.79	-0.63	0.74	1.37
11000.	155.	0.00425	-4.51	-4.63	-1.42	0.83	1.90
12000.	155.	0.003425	-5.32	-6.45	-4.30	-0.34	1.88
13000.	155.	0.003050	-4.09	-4.25	-3.46	-1.42	2.20
14000.	155.	0.00225	-3.49	-3.68	-2.94	-0.92	2.02
15000.	155.	0.00265	-0.58	-2.80	-2.15	0.22	2.58
16000.	155.	0.001950	-2.01	-2.26	-1.26	0.50	3.02
17000.	155.	0.00185	-0.88	-1.47	0.00	1.18	3.24
18000.	155.	0.001450	0.00	-0.14	0.55	1.53	4.00
19000.	155.	0.001246	0.48	0.32	0.97	2.26	3.71
20000.	155.	0.00062	0.19	0.00	1.51	2.64	3.96
21000.	138.	0.00918	1.10	0.88	1.32	2.42	3.52
22000.	124.	0.00786	1.55	1.29	1.81	2.84	3.88
23000.	124.	0.00670	1.21	0.91	1.81	3.02	3.93
24000.	119.	0.00572	1.06	0.71	2.12	3.16	3.89
25000.	111.	0.00434	1.65	1.23	1.65	2.47	3.29
26000.	105.	0.00420	1.45	1.21	1.69	2.66	3.86
27000.	98.	0.00353	2.22	1.39	2.56	2.42	4.84
28000.	93.	0.00303	2.02	1.68	3.70	4.71	6.06
29000.	60.	0.00260	3.17	2.78	3.97	5.16	6.35
30000.	44.	0.00224	4.67	4.21	4.67	5.07	7.48

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (AMM) from 600-3, 27 Sep 61 (one-time)

Table VI (2)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY							
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
SERIES		Percent Deviation from AMS Model Atmosphere, 1959					
CUMULATIVE PERCENTAGE FREQUENCY							
ALTITUDE METERS	NO. OBS.	MINIMUM DENSITY	RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT	50.0 PERCENT
5.	150.	0.11930	-2.64	-2.65	-1.99	-1.16	0.29
10.0.	150.	0.10610	-4.67	-4.76	-3.53	-2.62	-0.97
15.0.	150.	0.09530	-4.28	-4.38	-3.31	-2.43	-1.17
30.0.	150.	0.08990	-3.02	-3.13	-2.70	-1.94	-1.08
45.0.	150.	0.08110	-2.67	-2.99	-2.28	-1.68	-1.08
60.0.	150.	0.07300	-2.80	-2.93	-2.40	-1.60	-0.93
75.0.	150.	0.06590	-2.08	-2.23	-1.93	-1.19	-0.59
90.0.	150.	0.05875	-2.33	-2.41	-1.66	-0.75	0.00
105.0.	150.	0.05115	-4.66	-4.75	-1.49	-0.09	0.65
120.0.	150.	0.04570	-3.99	-4.10	-1.68	0.42	1.58
135.0.	150.	0.03985	-5.46	-5.58	-3.56	0.36	2.02
150.0.	150.	0.03435	-7.66	-7.80	-5.65	-0.27	2.28
165.0.	150.	0.02980	-5.29	-6.60	-4.40	-0.31	4.40
180.0.	149.	0.02555	-6.07	-6.25	-3.66	-0.37	3.68
195.0.	149.	0.02195	-5.55	-5.81	-3.66	0.22	3.23
210.0.	149.	0.01910	-4.02	-4.27	-2.01	0.50	3.02
225.0.	149.	0.01650	-2.94	-3.24	-2.06	0.88	3.24
240.0.	149.	0.01424	-1.79	-1.93	-1.10	1.24	3.17
255.0.	149.	0.01216	-1.94	-2.10	-0.81	1.13	2.90
270.0.	149.	0.01044	-1.51	-1.70	-0.94	0.94	2.83
285.0.	149.	0.00892	-1.76	-1.98	-0.66	0.66	2.42
300.0.	116.	0.00768	-0.78	-1.03	0.52	1.25	2.58
315.0.	115.	0.00660	-0.30	-0.60	0.00	0.91	2.42
330.0.	112.	0.00562	-0.71	-1.06	-0.35	1.41	2.47
345.0.	111.	0.00480	-1.23	-1.65	-1.23	1.41	1.65
360.0.	105.	0.00410	-0.97	-1.21	-0.97	0.48	1.69
375.0.	97.	0.00350	-0.28	-0.57	-0.28	0.85	2.56
390.0.	80.	0.00299	0.67	0.34	0.67	1.68	3.37
405.0.	66.	0.00254	0.79	0.40	0.79	1.58	4.37
420.0.	46.	0.00217	1.40	0.93	0.93	2.80	5.14

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600-2, 27 Sep 61 (One-Time)

Table VI (9)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIMBA, Austria	Period of Observation: March 1954 - February 1959					
Altitude	Percent Deviation from AMS Model Atmosphere, 1959					
	Cumulative Percentage Frequency					
ALTITUDE METERS	NO. OBS.	68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	95.865 PERCENT	RELATIVE DEVIATION
5.	150.	1.11	1.64	3.23	3.97	3.97
1000.	150.	-0.18	0.79	2.12	3.53	3.53
2000.	150.	-0.39	0.68	2.14	3.89	3.89
3000.	150.	-0.54	0.22	1.62	2.91	2.91
4000.	150.	-0.72	-0.24	1.32	2.99	2.99
5000.	150.	-0.67	0.00	1.46	1.86	1.86
6000.	150.	-0.15	0.30	1.34	1.78	1.78
7000.	150.	0.33	0.75	1.91	2.24	2.24
8000.	150.	0.93	1.30	2.05	2.24	2.24
9000.	150.	1.89	2.31	2.94	3.26	3.26
10000.	150.	2.49	2.97	3.68	3.91	3.91
11000.	150.	2.96	3.36	4.30	4.70	4.70
12000.	150.	5.66	6.60	8.02	8.49	8.49
13000.	149.	5.15	6.60	9.93	11.58	11.58
14000.	149.	4.95	6.02	8.60	9.68	9.68
15000.	149.	4.52	5.28	8.29	8.79	8.79
16000.	149.	4.12	5.29	7.06	7.65	7.65
17000.	149.	4.00	4.97	6.76	8.14	8.14
18000.	149.	3.39	4.35	6.13	7.10	7.10
19000.	149.	3.40	4.15	5.09	5.85	5.85
20000.	149.	2.86	3.52	4.41	5.29	5.29
21000.	116.	3.10	3.62	4.91	5.43	5.43
22000.	115.	3.02	3.63	4.83	5.44	5.44
23000.	112.	3.18	3.53	4.59	5.30	5.30
24000.	111.	2.47	2.88	4.12	4.94	4.94
25000.	105.	2.42	3.14	4.59	4.83	4.83
26000.	97.	3.13	3.99	5.41	5.98	5.98
27000.	80.	4.38	5.05	7.07	7.41	7.41
28000.	66.	5.56	6.35	7.94	8.33	8.33
29000.	46.	6.54	7.94	9.35	9.81	9.81

Note: When less than 30 observations were available, frequency distribution data were omitted.

AMS (msl) from 600-5, 27 Sep 61 (msl-21ms)

Table VI (10)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY									
VIENNA, Austria		Period of Observation: March 1954 - February 1959							
OCTOBER		Percent Deviation from AMS Model Atmosphere, 1959							
ALTITUDE METERS	NO. OBS.	MINIMUM DENSITY	CUMULATIVE PERCENTAGE FREQUENCY						
			RELATIVE DEVIATION	.135 PERCENT	2.28 PERCENT	15.9 PERCENT	50.0 PERCENT		
5.	155.	0.11910	-2.61	-2.82	-1.01	0.70	2.17		
1000.	154.	0.10280	-4.06	-4.14	-3.00	-0.79	0.79		
2000.	154.	0.09250	-4.09	-4.19	-3.12	-1.56	0.00		
3000.	154.	0.08880	-4.21	-4.31	-3.02	-1.51	-0.43		
4000.	154.	0.08070	-3.25	-3.47	-2.63	-1.56	-0.60		
5000.	154.	0.07320	-2.52	-2.66	-2.26	-1.46	-0.53		
6000.	154.	0.06600	-1.53	-2.08	-1.63	-0.89	-0.15		
7000.	154.	0.05910	-1.75	-1.83	-1.25	-0.50	0.42		
8000.	154.	0.05310	-1.02	-1.12	-0.65	0.00	0.93		
9000.	154.	0.04505	-5.36	-5.46	-1.47	0.63	1.68		
10000.	154.	0.03890	-7.71	-7.83	-4.63	0.24	1.90		
11000.	154.	0.03350	-9.95	-10.08	-7.80	-2.15	2.02		
12000.	154.	0.02885	-9.28	-9.43	-7.55	-2.20	3.93		
13000.	153.	0.02490	-8.46	-8.64	-6.62	-2.57	2.94		
14000.	153.	0.02125	-8.60	-8.82	-6.02	-2.15	2.80		
15000.	153.	0.01795	-9.60	-10.05	-5.78	-1.76	2.76		
16000.	153.	0.01590	-6.47	-6.76	-5.29	-2.06	2.35		
17000.	148.	0.01372	-5.38	-5.52	-4.41	-1.66	2.07		
18000.	148.	0.01184	-4.52	-4.68	-3.71	-1.45	1.45		
19000.	148.	0.01016	-4.15	-4.34	-3.58	-1.13	1.13		
20000.	148.	0.00864	-4.85	-5.07	-3.74	-1.54	0.66		
21000.	107.	0.00732	-5.42	-5.68	-4.39	-1.63	1.03		
22000.	105.	0.00628	-5.14	-5.44	-4.23	-1.21	0.60		
23000.	100.	0.00532	-4.95	-5.30	-4.24	-1.06	0.00		
24000.	93.	0.00456	-6.17	-6.58	-4.94	-2.06	-0.41		
25000.	85.	0.00392	-5.31	-5.56	-4.11	-1.53	-0.48		
26000.	72.	0.00333	-5.12	-5.41	-3.70	-1.42	0.00		
27000.	62.	0.00285	-4.04	-4.71	-2.02	-1.01	0.67		
28000.	49.	0.00249	-1.19	-1.59	-1.59	0.00	1.19		

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (MSM) Form 600-2, 27 Sep 61 (one-time)

Table VI (10)

FREQUENCY DISTRIBUTIONS OF AIR HUMIDITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
OCTOBER		Percent Deviation from AMC Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	155.	3.06	3.96	5.51	5.84	5.84
1000.	154.	1.59	2.56	3.62	4.50	4.50
2000.	154.	0.78	1.65	3.41	3.80	3.80
3000.	154.	0.22	1.08	2.91	3.67	3.67
4000.	154.	-0.12	0.60	2.51	3.83	3.83
5000.	154.	0.00	0.53	2.40	3.20	3.20
6000.	154.	0.30	0.74	2.08	2.97	2.97
7000.	154.	0.75	1.16	2.16	3.33	3.33
8000.	154.	1.21	1.58	2.24	2.61	2.61
9000.	154.	2.00	2.42	3.05	3.57	3.57
10000.	154.	2.49	2.85	3.56	3.80	3.80
11000.	154.	2.82	3.23	4.03	4.44	4.44
12000.	154.	5.19	6.45	7.55	8.02	8.02
13000.	153.	4.41	6.25	9.74	10.85	10.85
14000.	153.	4.30	5.81	9.03	10.97	10.97
15000.	153.	3.77	4.77	7.29	10.05	10.05
16000.	153.	3.53	4.41	6.76	7.94	7.94
17000.	148.	2.90	3.66	5.93	6.76	6.76
18000.	148.	2.26	2.90	4.84	5.81	5.81
19000.	148.	1.89	2.83	4.15	5.09	5.09
20000.	148.	1.32	2.20	3.96	4.41	4.41
21000.	107.	1.55	2.33	3.88	4.39	4.39
22000.	105.	0.91	1.81	3.02	3.63	3.63
23000.	100.	1.06	1.41	2.47	3.53	3.53
24000.	93.	0.00	0.82	1.65	2.47	2.47
25000.	85.	0.00	0.72	1.53	2.17	2.17
26000.	72.	0.57	1.14	2.28	2.85	2.85
27000.	62.	1.35	2.02	3.03	3.37	3.37
28000.	49.	1.98	2.78	3.57	3.97	3.97

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMC (mm) From 600-2, 27 Aug 61 (one-time)

Table VI (11)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY							
VIENNA, Austria		Period of Observation: March 1954 - February 1959					
NUMBER		Percent Deviation from AMS Model Atmosphere, 1959					
CUMULATIVE PERCENTAGE FREQUENCY							
ALTITUDE FEET	NO. OBS.	MINIMUM DENSITY	RELATIVE DEVIATION	+1.35 PERCENT	-2.28 PERCENT	-15.5 PERCENT	-50.0 PERCENT
5.	150.	0.11000	-1.34	-1.35	-0.12	2.08	4.21
100.	150.	0.11130	-1.85	-2.03	-1.68	0.79	3.09
200.	150.	0.09930	-3.31	-3.41	-2.14	-1.88	1.07
300.	150.	0.09040	-2.28	-2.59	-2.16	-0.86	0.43
400.	150.	0.08080	-3.33	-3.35	-1.92	-0.56	0.12
500.	150.	0.07280	-3.66	-3.20	-1.73	-0.53	0.27
600.	150.	0.06580	-2.27	-2.38	-1.49	-0.45	0.45
700.	150.	0.05930	-1.31	-1.50	-1.00	-0.17	0.83
800.	150.	0.05280	-1.58	-1.68	-0.85	0.28	1.12
900.	150.	0.04605	-3.36	-3.36	-2.10	0.74	1.68
1000.	150.	0.03935	-5.64	-6.76	-5.34	-0.55	1.54
1100.	150.	0.03365	-9.54	-9.68	-7.12	-3.36	0.40
1200.	150.	0.02895	-8.96	-9.12	-6.76	-3.62	0.16
1300.	150.	0.02485	-8.64	-8.82	-5.88	-3.66	-0.74
1400.	150.	0.02125	-8.60	-8.82	-5.81	-3.23	-0.86
1500.	150.	0.01815	-8.79	-9.05	-5.28	-2.52	-0.75
1600.	146.	0.01570	-7.65	-7.94	-6.47	-2.94	-0.59
1700.	137.	0.01350	-6.90	-7.03	-4.83	-2.76	-0.69
1800.	137.	0.01156	-6.61	-6.77	-4.84	-2.74	-0.81
1900.	136.	0.00970	-6.60	-6.79	-4.72	-3.02	-0.94
2000.	135.	0.00844	-7.05	-7.27	-4.63	-3.52	-1.10
2100.	95.	0.00714	-7.75	-8.01	-4.91	-2.33	-0.78
2200.	91.	0.00628	-5.14	-5.44	-3.93	-2.72	-0.91
2300.	85.	0.00538	-4.95	-5.30	-4.59	-2.83	-1.41
2400.	80.	0.00456	-6.17	-6.58	-6.17	-3.70	-1.65
2500.	65.	0.00386	-6.76	-7.00	-5.56	-4.35	-1.69
2600.	57.	0.00327	-5.84	-7.12	-6.55	-3.42	-1.14
2700.	50.	0.00277	-6.73	-7.07	-6.40	-3.37	-1.01
2800.	35.	0.00238	-5.56	-5.95	-5.56	-3.57	0.00

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMS) Form 600-2, 27 Sep 61 (One-time)

Table VI (11)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIZIMA, Austria		Period of Observation: March 1954 - February 1959				
MOMENTS		Percent Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	150.	5.10	5.09	8.21	10.25	10.25
1000.	150.	4.14	5.20	7.50	7.85	7.85
2000.	150.	2.24	3.60	5.74	7.40	7.40
3000.	150.	1.19	2.16	4.85	5.29	5.29
4000.	150.	0.60	1.68	3.95	4.19	4.19
5000.	150.	0.80	1.33	2.80	4.39	4.39
6000.	150.	0.89	1.49	2.53	3.57	3.57
7000.	150.	1.33	1.75	2.74	3.33	3.33
8000.	150.	1.49	1.66	2.89	3.45	3.45
9000.	150.	2.00	2.42	3.47	4.31	4.31
10000.	150.	1.78	2.61	3.80	5.46	5.46
11000.	150.	1.34	2.28	3.76	3.90	3.90
12000.	150.	2.04	4.09	5.97	7.39	7.39
13000.	150.	0.55	3.31	5.51	6.25	6.25
14000.	150.	0.43	2.15	4.52	5.81	5.81
15000.	150.	0.25	1.51	3.77	5.53	5.53
16000.	146.	0.29	1.47	3.24	6.47	6.47
17000.	137.	0.28	1.38	2.48	4.41	4.41
18000.	137.	0.00	0.97	2.26	3.55	3.55
19000.	136.	0.00	0.75	1.70	3.21	3.21
20000.	135.	-0.22	0.44	1.32	2.42	2.42
21000.	99.	0.00	0.52	1.81	2.07	2.07
22000.	91.	-0.30	0.30	1.21	1.81	1.81
23000.	85.	-0.71	-0.35	1.06	1.06	1.06
24000.	80.	-1.23	-0.82	0.00	0.82	0.82
25000.	65.	-0.97	-0.48	0.24	0.97	0.97
26000.	57.	-0.57	0.28	0.85	1.71	1.71
27000.	50.	0.34	1.01	1.68	1.68	1.68
28000.	35.	1.19	1.59	2.38	2.38	2.38

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) from 600-5, 27 Sep 61 (one-time)

Table VI (12)

FORM 72 (1-54)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY

VIENNA, Austria

Period of Observation: March 1954 - February 1959

DECEMBER

Percent Deviation from AMSC Model Atmosphere, 1979

CUMULATIVE PERCENTAGE FREQUENCY

ALTITUDE METERS	NO. OBS.	MINIMUM DENSITY	RELATIVE DEVIATION	-135 PERCENT	2-28 PERCENT	15-5 PERCENT	50-9 PERCENT
5.	155.	0.11990	-2.15	-2.16	-0.03	2.01	4.61
100.	155.	0.11010	-2.91	-3.00	-1.59	0.71	3.17
200.	155.	0.09900	-3.60	-3.70	-2.73	0.00	1.66
300.	155.	0.08930	-3.67	-3.78	-2.70	-0.22	1.19
400.	155.	0.08090	-3.11	-3.23	-2.51	-0.48	0.84
500.	155.	0.07250	-3.46	-3.60	-2.53	-0.53	0.80
600.	155.	0.06520	-3.12	-3.27	-2.08	-0.45	0.74
700.	155.	0.05770	-4.07	-4.16	-1.33	-0.33	0.91
800.	155.	0.05150	-4.01	-4.10	-1.86	-0.37	0.93
900.	155.	0.04445	-6.62	-6.72	-3.36	-0.64	1.05
1000.	155.	0.03825	-9.25	-9.37	-6.05	-3.20	-0.12
1100.	155.	0.03305	-11.16	-11.29	-8.87	-6.45	-2.55
1200.	155.	0.02875	-9.59	-9.75	-5.26	-6.13	-2.67
1300.	155.	0.02450	-9.93	-10.11	-9.19	-5.68	-3.31
1400.	154.	0.02095	-9.69	-10.11	-8.60	-5.81	-3.01
1500.	154.	0.01800	-9.55	-9.80	-8.29	-5.78	-3.52
1600.	139.	0.01580	-7.06	-7.35	-6.47	-5.00	-3.24
1700.	128.	0.01352	-6.76	-6.90	-6.34	-4.55	-2.62
1800.	125.	0.01148	-7.42	-7.58	-6.77	-4.68	-2.58
1900.	125.	0.00974	-8.11	-8.30	-6.04	-4.72	-2.45
2000.	123.	0.00834	-8.15	-8.37	-7.93	-5.07	-2.42
2100.	100.	0.00708	-8.53	-8.79	-7.24	-4.91	-2.33
2200.	92.	0.00606	-8.46	-8.76	-6.95	-4.53	-2.42
2300.	83.	0.00526	-7.07	-7.42	-7.07	-4.59	-2.47
2400.	82.	0.00448	-7.62	-8.23	-7.82	-5.76	-2.88
2500.	77.	0.00377	-8.94	-9.18	-8.94	-5.31	-2.90
2600.	61.	0.00315	-10.26	-10.54	-8.83	-5.13	-1.99
2700.	48.	0.00268	-9.76	-10.10	-9.43	-5.05	-1.68
2800.	33.	0.00237	-5.95	-6.35	-5.95	-3.97	-1.19

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMSC (AMSA) Form 600-2, 27 Sep 61 (One-Time)

Table VI (12)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
VIENNA, Austria		Period of Observation: March 1954 - February 1959				
METER		Percent Deviation from AMSL Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	94.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	155.	5.59	6.66	8.21	9.60	9.60
1000.	155.	4.14	5.38	6.79	8.11	8.11
2000.	155.	2.63	3.80	5.45	7.89	7.89
3000.	155.	1.73	2.70	4.53	5.18	5.18
4000.	155.	1.32	2.04	3.59	4.79	4.79
5000.	155.	1.20	1.86	3.06	3.60	3.60
6000.	155.	1.19	1.78	2.53	4.01	4.01
7000.	155.	1.50	2.00	2.58	2.83	2.83
8000.	155.	1.58	1.96	2.61	2.80	2.80
9000.	155.	1.68	2.31	3.15	3.57	3.57
10000.	155.	0.95	1.90	2.85	3.44	3.44
11000.	155.	0.00	1.34	2.69	3.36	3.36
12000.	155.	-0.47	2.99	5.19	5.97	5.97
13000.	155.	-1.84	0.92	4.41	5.88	5.88
14000.	154.	-1.72	-0.22	3.01	4.52	4.52
15000.	139.	-1.76	-0.75	2.51	4.27	4.27
16000.	128.	-1.52	-0.28	2.94	4.12	4.12
17000.	125.	-1.77	-0.65	1.13	5.10	5.10
18000.	125.	-1.70	-0.94	0.94	5.65	5.65
19000.	123.	-1.76	-0.68	0.66	1.32	1.32
20000.	100.	-1.81	-1.03	1.03	1.54	1.54
21000.	92.	-1.51	-0.91	0.60	1.55	1.55
22000.	83.	-1.77	-1.06	1.06	2.72	2.72
23000.	82.	-2.06	-1.65	0.41	3.18	3.18
24000.	77.	-1.93	-0.97	0.97	2.47	2.47
25000.	61.	-1.42	-0.18	0.85	2.17	2.17
26000.	48.	-0.34	0.34	0.85	2.56	2.56
27000.	33.	0.40	0.79	3.17	3.37	3.37
28000.					3.57	3.57

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMA) Form 600-2, 27 Sep 61 (one-time)

Table VI (13)

FORM 12-1 (57)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY

VIENNA, Austria

Period of Observation: March 1954 - February 1959

Altitude

Percent Deviation from AMSL Model Atmosphere, 1959

Cumulative Percentage Frequency

Altitude Meters	No. Obs.	Minimum Density	Relative Deviation	-1.35 Percent	-2.28 Percent	-5.0 Percent
5.	1826.	0.11600	-5.34	-4.45	-2.64	2.16
1000.	1825.	0.10610	-6.44	-5.64	-4.06	0.79
2000.	1825.	0.09600	-6.52	-5.26	-3.51	0.29
3000.	1825.	0.08820	-4.85	-4.31	-2.91	-0.00
4000.	1825.	0.07970	-4.55	-3.47	-2.40	-0.24
5000.	1825.	0.07190	-4.28	-3.60	-2.40	-0.27
6000.	1825.	0.06480	-3.71	-3.12	-1.93	0.15
7000.	1825.	0.05770	-4.07	-2.91	-1.41	0.50
8000.	1825.	0.05095	-5.03	-4.47	-1.86	0.84
9000.	1824.	0.04335	-8.93	-7.56	-4.10	0.19
10000.	1824.	0.03720	-11.74	-10.32	-7.24	-0.11
11000.	1824.	0.03190	-14.25	-13.44	-10.08	-2.02
12000.	1824.	0.02735	-13.99	-13.21	-9.75	-5.38
13000.	1822.	0.02380	-12.50	-12.50	-9.38	-5.50
14000.	1821.	0.02055	-11.61	-11.40	-8.82	-5.51
15000.	1820.	0.01775	-10.80	-10.80	-8.54	-5.16
16000.	1755.	0.01525	-10.29	-10.29	-8.54	-5.03
17000.	1672.	0.01312	-9.52	-9.24	-7.17	-4.71
18000.	1658.	0.01124	-9.35	-8.71	-7.10	-4.14
19000.	1651.	0.00960	-9.43	-9.06	-7.10	-3.87
20000.	1625.	0.00820	-9.69	-8.81	-6.98	-3.56
21000.	1314.	0.00690	-10.65	-10.08	-7.27	-4.15
22000.	1236.	0.00584	-10.85	-10.08	-7.49	-3.62
23000.	1153.	0.00478	-11.78	-11.18	-7.85	-3.62
24000.	1072.	0.00404	-15.55	-14.49	-8.13	-3.63
25000.	954.	0.00342	-16.67	-16.87	-8.64	-3.53
26000.	828.	0.00290	-17.39	-16.43	-8.21	-3.70
27000.	701.	0.00247	-17.38	-17.38	-8.21	-3.62
28000.	537.	0.00211	-15.64	-16.84	-7.98	-2.85
29000.	330.	0.00184	-16.17	-16.27	-6.40	-1.68
30000.	170.	0.00168	-14.62	-14.49	-5.95	-0.79
31000.	87.	0.00152	-8.00	-8.74	-4.67	-0.93
			-1.94	-2.58	-4.82	-1.64
					0.00	3.23

Note: When less than 30 observations were available, frequency distribution data were excluded.

Note: When less than 30 observations were available, frequency distribution data were excluded.

AMS (AMM) Form 600-5, 27 Sep 61 (one-time)

Table VI (13)

FREQUENCY DISTRIBUTIONS OF AIR DENSITY						
Vilnius, Austria		Period of Observation: March 1954 - February 1959				
Annual		Percent Deviation from AMS Model Atmosphere, 1959				
ALTITUDE METERS	NO. OBS.	CUMULATIVE PERCENTAGE FREQUENCY				
		68.0 PERCENT	84.1 PERCENT	97.72 PERCENT	99.865 PERCENT	RELATIVE DEVIATION
5.	1826.	3.96	5.59	9.42	12.70	15.72
1000.	1825.	2.47	4.32	7.32	11.02	13.40
2000.	1825.	1.56	3.02	5.65	8.76	9.35
3000.	1825.	0.97	2.16	4.75	6.58	7.77
4000.	1825.	0.60	1.68	3.83	5.59	7.07
5000.	1825.	0.67	1.60	3.33	4.93	5.19
6000.	1825.	0.74	1.59	2.82	4.46	5.20
7000.	1825.	1.08	1.66	2.74	3.99	4.49
8000.	1825.	1.21	1.68	2.70	3.91	4.66
9000.	1824.	1.89	2.31	3.26	4.31	4.94
10000.	1824.	2.02	2.61	3.44	4.39	5.46
11000.	1824.	1.75	2.82	3.76	4.44	4.70
12000.	1824.	2.52	5.03	7.23	8.02	8.49
13000.	1822.	1.29	4.32	8.09	10.85	11.58
14000.	1821.	1.29	3.66	7.74	10.11	10.97
15000.	1820.	1.26	3.52	7.04	10.05	10.83
16000.	1755.	1.76	3.82	6.76	10.00	10.59
17000.	1672.	2.21	4.00	6.76	9.93	11.03
18000.	1658.	2.26	3.87	6.29	8.71	9.52
19000.	1651.	2.26	3.96	5.85	8.87	9.25
20000.	1625.	1.98	3.30	5.07	7.71	8.37
21000.	1314.	2.58	3.88	5.43	7.75	8.01
22000.	1236.	2.42	3.63	5.44	7.25	7.55
23000.	1153.	2.47	3.53	5.30	7.07	7.42
24000.	1072.	2.06	3.29	4.94	6.58	6.58
25000.	954.	2.42	3.62	5.31	7.00	7.25
26000.	828.	3.42	4.56	6.55	7.69	7.98
27000.	701.	4.71	6.06	7.74	9.09	9.43
28000.	537.	5.56	6.75	8.33	10.71	11.11
29000.	330.	7.01	7.94	10.28	12.15	12.15
30000.	170.	7.10	8.20	9.84	10.38	10.38
31000.	87.	8.39	9.68	10.97	11.61	11.61

Note: When less than 30 observations were available, frequency distribution data were excluded.

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