

TECHNICAL NOTE

D-822

TABLES OF AIRSPEED, ALTITUDE, AND MACH NUMBER
BASED ON LATEST INTERNATIONAL VALUES
FOR ATMOSPHERIC PROPERTIES

By Sadie P. Livingston and William Gracey

AND PHYSICAL CONSTANTS

Langley Research Center Langley Field, Va.

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Page $1^{l_{4}}$: In column 1 of table I, the nine values of calibrated airspeed, V_{c} , mph, following the value 1,000 should be corrected as follows:

Value shown	Correct value
1,100	1,010
1,200	1,020
1,300	1,030
1,400	1,040
1,500	1,050
1,600	1,060
1,700	1,070
1,800	1,080
1,900	1,090

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SUMMARY

Previously published pressure-airspeed tables have been revised to account for the recently established value for the nautical mile and to incorporate the values of the physical constants and atmospheric properties adopted for the International Civil Aviation Organization (ICAO) standard atmosphere. In the revised tables, values of impact pressure are given for airspeeds up to 1,000 knots and 1,100 miles per hour. Pressure-altitude tables, extracted from the ICAO standard atmosphere, are given for altitudes up to 100,000 geopotential feet. For the determination of Mach number, the ratio of impact pressure to free-stream static pressure is given for Mach numbers from 0.10 to 5.00. Abbreviated tables of true airspeed are given for calibrated airspeeds from 100 to 1,000 knots and for altitudes from 0 to 100,000 geopotential feet.

INTRODUCTION

Pressure-airspeed and pressure-altitude tables are needed for the calibration of airspeed meters and altimeters and for the conversion of flight measurements of airspeed and altitude to other related parameters - Mach number, true airspeed, equivalent airspeed, etc. Equations relating these parameters and the procedures for determining them are given in reference 1.

Numerous airspeed and altitude tables have been developed through the years (refs. 1 to 11). The airspeed tables of references 1 to 3 have undergone minor revisions as new values for some of the physical constants and atmospheric properties required for the computations have been introduced. The altitude tables of references 4 to 11, on the other hand, have been revised extensively as new information concerning atmospheric properties (particularly at the higher altitudes) has become available and because of the introduction of a new unit of height - geopotential feet, a unit that takes account of the decrease of the gravity constant with height.

Concerted efforts have been made in recent years to adopt, on an international basis, the latest accepted values of the atmospheric properties and a consistent system of physical constants. The result of these efforts culminated in the establishment of the ICAO standard atmosphere in 1954 (ref. 8) and an extension of this atmosphere to higher altitudes (ref. 10) in 1958. It may be noted that the pressure-altitude tables of references 7 and 8 are in agreement for altitudes up to 65,800 geopotential feet (the limiting altitude in ref. 8) and the tables of references 9, 10, and 11 are in agreement for altitudes up to at least 100,000 geopotential feet (the upper limit of the altitude range of interest at the present time for the calibration of aircraft altimeters).

With regard to the airspeed tables, a need has arisen for a reevaluation of the pressure-airspeed relation to account for the recently revised value of the nautical mile, with consequent changes of speed in units of knots. At the same time, it appeared desirable, in the interest of standardization, to incorporate in the pressure-airspeed tables the values for the atmospheric properties and physical constants adopted for the ICAO standard atmosphere.

Accordingly, the pressure-airspeed tables of reference 1 have been revised to account for the new value of the nautical mile and the latest accepted values for the pertinent physical and atmospheric-property constants. At the same time, the airspeed tables of reference 1 have been extended to higher speeds to conform to the maximum range of present-day airspeed indicators. In addition, the pressure-altitude tables of reference 1 have been replaced with those of the ICAO standard atmosphere and the Mach number tables have been extended to a Mach number of 5.00.

SYMBOLS

ρ	mass density of the ambient air
p	free-stream static pressure
Pt	free-stream total pressure
Q	dynamic pressure, $\frac{1}{2} \rho V^2$
q_	impact pressure, p p

```
compressibility factor (defined in ref. 1)
f
          free-stream velocity or true airspeed, \sqrt{\frac{2q}{q}}
٧
           calibrated airspeed (the indication of a differential-
٧c
            pressure airspeed indicator, calibrated to read true
             airspeed under standard sea-level conditions and cor-
             rected for instrument errors and errors of pitot-static
             installation), f_0 \stackrel{Qq_c}{\rho_0}
           ratio of specific heat of air at constant pressure to specific
γ
             heat at constant volume
           speed of sound in ambient air, \sqrt{\frac{p}{0}}
           free-stream Mach number, V/a
M
           geometric altitude
Z
           geopotential altitude
H
           molecular-scale temperature (defined in ref. 10)
T_{M}
           molecular weight of air
W_{M}
           universal gas constant
R
           acceleration of gravity
g
           proportionality factor depending on units of H (defined in
             ref. 10)
           effective radius of earth at latitude 45032'33"
           temperature
           absolute temperature
           recovery factor of air-temperature sensor
Subscripts:
           sea-level value
           local value
 ı
           measured value
```

Since the only tables in reference 1 which have been recomputed for the present report are those relating airspeed to pressure and the speed of sound to temperature, only those physical constants and sealevel atmospheric properties applying to these relations are given herein. For the values of the other constants and atmospheric properties used in the computation of the pressure-altitude tables, consult references 9 to 11.

The values of the physical constants and sea-level atmospheric properties used for the computation of the tables given in this report are as follows:

po = 29.92126 inches of mercury or 2116.217 pounds per square foot

 $\rho_0 = 0.00237692$ slug per cubic foot

 $T = 518.688^{\circ} R \text{ or } 288.16^{\circ} K$

 $\gamma = 1.4$ (exact)

 $a_0 = 761.2116$ miles per hour or 661.4748 knots

The values of p_0 , ρ_0 , T, and γ are the latest accepted values for these quantities as reported in references 9 to 11. The values of a_0 have been derived from the value of 340.29205 meters per second given in references 9 to 11 and from the following relations:

1 foot = 0.3048 meter

1 statute mile = 5,280 feet

1 nautical mile = 6076.11549 feet

As discussed in reference 12, the relation between the meter and the nautical mile (1 nautical mile = 1,852 meters) was adopted by the U.S. Departments of Commerce and Defense on July 1, 1954; the relation between the foot and the meter was announced by the National Bureau of Standards on July 1, 1959. The value of the nautical mile given herein is based on these two relationships.

In this report the values of airspeed are given for pressures expressed in units of inches of mercury and pounds per square foot. Conversion factors for expressing the tabulated pressures in other units are given in the following table (from ref. 13):

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mm mercury	in. mercury	gm/cm ²	1b/in.2	15/ft ²	cm water 20° C	in. water 20° C
1	0.03937	1.3595	0.019337	2.7845	1.3609	0.53577
25.400	1	54.532	0.49116	70.727	34. 5 66	13.609
,	0.028959	1	0.014223	2.0482	1.0010	0.39409
		70.307	ı	144	70.376	27.707
		0.48824	0.0069444	1	0.48872	0.19241
		0.99821	!	2.0445	1	0.3937
			0.036063	5.1930	2.5400	1
	0° C 1 25.400 0.73556 51.715 0.35913	00 C 00 C 1 0.03937 25.400 1 0.73556 0.028959 51.715 2.0360 0.35913 0.014139 0.73424 0.028907	1 0.03937 1.3595 25.400 1 34.532 0.73556 0.028959 1 51.715 2.0360 70.307 0.35913 0.014139 0.48824 0.73424 0.028907 0.99821	1 0.03937 1.3595 0.019337 25.400 1 34.532 0.49116 0.73556 0.028959 1 0.014223 51.715 2.0360 70.307 1 0.35913 0.014139 0.48824 0.0069444 0.73424 0.028907 0.99821 0.014198	1 0.03937 1.3595 0.019337 2.7845 25.400 1 34.532 0.49116 70.727 0.73556 0.028959 1 0.014223 2.0482 51.715 2.0360 70.307 1 144 0.35913 0.014139 0.48824 0.0069444 1 0.73424 0.028907 0.99821 0.014198 2.0445	1 0.03937 1.3595 0.019337 2.7845 1.3609 25.400 1 34.532 0.49116 70.727 34.566 0.73556 0.028959 1 0.014223 2.0482 1.0010 51.715 2.0360 70.307 1 144 70.376 0.35913 0.014139 0.48824 0.0069444 1 0.48872 0.73424 0.028907 0.99821 0.014198 2.0445 1

AIRSPEED TABLES

For the conventional method of determining the speed of aircraft from measurements of free-stream total and static pressures, true airspeed is related to these pressures in the subsonic speed range by Bernoulli's formula for the total pressure in compressible flow,

$$p_{t} = p\left(1 + \frac{\gamma - 1}{2\gamma} \frac{\rho}{p} V^{2}\right)^{\frac{\gamma}{\gamma - 1}}$$
 (1)

and in the supersonic range, where a normal shock occurs ahead of the pitot tube, by the relation for the total pressure behind a normal shock,

$$p_{t} = \frac{1+\gamma}{2\gamma} \rho V^{2} \left[\frac{(\gamma+1)^{2}}{\frac{1+\rho}{p}V^{2} - 2(\gamma-1)} \right]^{\frac{1}{\gamma-1}}$$
 (2)

Since the impact pressure is defined as the difference between the total and static pressures

$$q_c = p_t - p \tag{3}$$

and the speed of sound in ambient air may be expressed as

$$\mathbf{a} = \sqrt{7 \, \frac{\mathbf{p}}{\rho}} \tag{4}$$

the total-pressure—airspeed relation in equations (1) and (2) may be expressed in terms of $q_{\rm c}$ and V as follows:

$$q_{c} = p \left[\left(1 + \frac{\gamma - 1}{2\gamma} \frac{\rho}{p} V^{2} \right)^{\frac{\gamma}{\gamma - 1}} - 1 \right] \qquad (V \leq a) \qquad (5)$$

and

$$q_{c} = \frac{1+\gamma}{2} \left(\frac{\mathbf{Y}}{\mathbf{a}}\right)^{2} \mathbf{p} \left[\frac{(\gamma+1)^{2}}{4\gamma - 2(\gamma-1)\left(\frac{\mathbf{a}}{\mathbf{V}}\right)^{2}}\right]^{\frac{1}{\gamma-1}} - \mathbf{p} \qquad (\mathbf{V} \ge \mathbf{a}) \qquad (6)$$

Aircraft airspeed indicators are calibrated according to equations (5) and (6) for standard sea-level conditions - that is,

$$q_c = p_o \left[\left(1 + \frac{\gamma - 1}{2\gamma} \frac{\rho_o v_c^2}{p_o v_c^2} \right)^{\frac{\gamma}{\gamma - 1}} - 1 \right]$$
 $(v_c \le a_o)$ (7)

and

$$q_{c} = \frac{1 + \gamma}{2} \left(\frac{v_{c}}{a_{o}} \right)^{2} p_{o} \left[\frac{(\gamma + 1)^{2}}{u_{\gamma} - 2(\gamma - 1) \left(\frac{a_{o}}{v_{c}} \right)^{2}} \right]^{\frac{1}{\gamma - 1}} - p_{o} \quad (v_{c} \ge a_{o}) \quad (8)$$

where the subscript o denotes standard sea-level conditions and $V_{\rm c}$ is the calibrated airspeed. For standard sea-level conditions, therefore, calibrated airspeed is equal to true airspeed. For other values of pressure and density, the true airspeed and the calibrated airspeed may be related by the following equation:

$$V = V_{c} \frac{f}{f_0} \sqrt{\frac{\rho_0}{\rho}}$$
 (9)

Values of impact pressure q_c (calculated from eqs. (7) and (8)) in units of inches of mercury and pounds per square foot are given in tables I to IV for calibrated airspeeds V_c from 0 to 1,000 knots and from 0 to 1,100 miles per hour.

ALTITUDE TABLES

Pressure-altitude relations are derived from the barometric equation which may be expressed in the following form:

$$d \log_e p = -\frac{gW_M}{RT} dZ$$
 (10)

where Z denotes height in geometric measure.

In the computation of the altitude tables of references 4 to 6, the acceleration of gravity g and the molecular weight of air $W_{\rm M}$ were assumed to remain constant at their sea-level values. For the pressurealtitude tables in references 7 to 11, the decrease in acceleration of gravity with height was taken into account by the formation of a new parameter - geopotential altitude H (the combination of geometric height and acceleration of gravity). For altitudes above 295,000 feet the decrease in the molecular weight of air was taken into account in references 9 to 11 by the formation of another parameter - molecular-scale temperature $T_{\rm M}$ (the combination of molecular weight and temperature). In accordance with these new parameters the barometric equation assumes the following form:

$$d \log_e p = -\frac{GW_{M,O}}{RT_M} dH$$
 (11)

where G is a proportionality factor depending on the units of geopotential altitude H. It may be noted that in references 9 to 11 the symbol M was assigned to molecular weight; in the present paper W_M is used to avoid confusion with the symbol M for Mach number.

The relation between geopotential and geometric altitudes, based on the inverse-square-law variation of acceleration of gravity, is given by the equation:

$$H = \frac{g_0}{G} \frac{rZ}{r + 2} \tag{12}$$

where r = 6,356,766 geometric meters, the effective radius of the earth at latitude $45^{\circ}32'33''$ (refs. 9 to 11).

Since the current trend in the aviation industry is to adopt geopotential measure for the calibration of altimeters, the pressure-altitude tables in the present report are given in terms of geopotential feet only.

Tables V and VI give values of static pressure p in inches of mercury and pounds per square foot, respectively, for values of pressure altitude up to 100,000 geopotential feet. The values of p for pressure altitudes from -1,000 to 65,800 geopotential feet were taken directly from reference 8 and those for pressure altitudes from 70,000 to 100,000 geopotential feet were taken directly from reference 10.

MACH NUMBER TABLES

Since Mach number $\,M\,$ is related to true airspeed $\,V\,$ by the equation

$$V = M \sqrt{\frac{p}{\rho}}$$
 (13)

M may be related to p_t by substitution into equations (1) and (2). With the additional substitution of $q_c + p$ for p_t , these equations may be expressed in terms of q_c and M as follows:

$$q_c = p \left[\left(1 + \frac{\gamma - 1}{2} M^2 \right)^{\frac{\gamma}{\gamma - 1}} - 1 \right]$$
 (M \leq 1)

and

$$q_{c} = \frac{1 + \gamma_{M}^{2}}{2} p \left[\frac{(1 + \gamma)^{2} M^{2}}{4\gamma M^{2} - 2(\gamma - 1)} \right]^{\frac{1}{\gamma - 1}} - p \qquad (M \ge 1) \qquad (15)$$

Since, as shown by these equations, Mach number is a function of both impact and static pressures, M may be expressed as a function of the ratio $q_{\rm c}/p$ in the following forms:

$$\frac{q_c}{p} = \left(1 + \frac{\gamma - 1}{2} M^2\right)^{\frac{\gamma}{\gamma - 1}} - 1 \qquad (M \le 1) \qquad (16)$$

and

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 $\frac{q_{c}}{P} = \frac{1+\gamma}{2} M^{2} \left[\frac{(1+\gamma)^{2}M^{2}}{4\gamma M^{2}-2(\gamma-1)} \right]^{\frac{1}{\gamma-1}} - 1 \quad (M \ge 1) \quad (17)$

The application of equation (17), like that for equations (6) and (8), requires that the pitot tube always operate behind a normal shock at supersonic speeds.

Table VII gives the values of the ratio of impact pressure to static pressure $q_{\rm c}/p$ for values of Mach number M from 0.10 to 5.00; these values were extracted from reference 3.

TRUE AIRSPEED TABLES

From the definition of Mach number - that is, the ratio of true airspeed to the speed of sound in the ambient air - true airspeed can be calculated from the following equation:

$$V = Ma \tag{18}$$

Since the speed of sound is a function of the absolute temperature of the ambient air in accordance with the equation

$$\mathbf{a} = \sqrt{\gamma \frac{\mathbf{p}_0}{\rho_0} \frac{\mathbf{T}}{\mathbf{T}_0}} \tag{19}$$

true airspeed can be determined from measurements of M (which can be measured directly or computed from measurements of V_C and H) and of free-air temperature T. From the measurements of T, the speed of

sound can be calculated by using any of the following formulas derived from equation (19):

$$a = 33.42353 \, \boxed{T}$$
 (20)

where a is in miles per hour and T is in OF absolute

$$a = 29.04425\sqrt{T}$$
 (21)

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where a is in knots and T is in OF absolute

$$a = 44.84237\sqrt{T}$$
 (22)

where a is in miles per hour and T is in °C absolute

$$a = 38.96695\sqrt{T}$$
 (23)

where a is in knots and T is in °C absolute

By the use of formulas (20) and (21) values of the speed of sound, in units of miles per hour and knots, have been calculated for a temperature range from -70° F to 120° F and are given in table VIII. With formulas (22) and (23), values of the speed of sound, in units of miles per hour and knots, have been calculated for a temperature range from -60° C to 50° C and are given in table IX.

In table X values of the speed of sound (in both miles per hour and knots) and of free-stream temperature (in both °F and °C) in the standard atmosphere are given for altitudes from 0 to 100,000 geopotential feet. These values of the speed of sound and of temperature have been converted from those given in other units in reference 10. As an indication of the manner in which true airspeed V varies with calibrated airspeed V_C and altitude H, values of V have been calculated for V_C from 0 to 1,000 knots and for H from 0 to 100,000 geopotential feet and are given in table XI. These values of V were computed by using the values of Q_C , Q_C , and a given in tables III, V, VII, and X, respectively.

It should be noted that the value of T required for the calculation of V is the temperature of the free stream. For the usual case, the temperature measured by an aircraft thermometer is greater than the stream value because of the adiabatic heating effect of the air flow on the

temperature sensor. If the sensor measures the full adiabatic temperature increase (that is, if the recovery factor of the sensor is 1.0) or if the sensor is located in a region where the local velocity of the air is equal to the free-stream velocity, the free-air temperature can be calculated from the following expression:

$$T = \frac{T_m}{1 + \frac{\gamma - 1}{2} \eta M^2} \tag{24}$$

where T_m is the measured temperature and η is the recovery factor of the temperature sensor. For the more general case in which the recovery factor is less than 1.0 and the sensor is located in a region where the local velocity differs from the free-stream value, the free-stream temperature can be computed from the following equation:

$$T = \frac{T_{m}}{1 + \frac{\gamma - 1}{2} \eta M_{1}^{2}} \frac{1 + \frac{\gamma - 1}{2} M_{1}^{2}}{1 + \frac{\gamma - 1}{2} M^{2}}$$
(25)

where M_l is the local stream Mach number, which can be determined from measurements of the local static pressure in the region in which the temperature sensor is located.

In the calibration of true-airspeed instruments utilizing measurements of total pressure, static pressure, and air temperature, the recovery factor of the thermometer installation must, of course, be taken into account. For the values of true airspeed given in table XI, free-stream temperatures (that is, $\eta=0$) were assumed.

Langley Research Center,
National Aeronautics and Space Administration,
Langley Field, Va., March 8, 1961.

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TABLE I. - IMPACT PRESSURE q_c In inches of myrcury for values of calibrated airspeed v_c Im miles per hour

Calibrated airspeed, V _C , aph	0	1	5	3	lų.	5	6	7	8	9
0	0.000000	0.000030	0.000147	0.000323	0.000574	0.000901	0.001299	0.001768	0.002313	0.002932
10	.003611	.004377	.005203	.006104	.007088	.006136	.009258	.010451	.011708	.013049
20	.014461	.015939	.017501	.019129	.020825	.022594	.024440	.026358	.028347	.030412
30	.032539	.034751	.037025	.059382	.041806	.04450h	.046869	.049508	.052228	.055019
	.057871	.060806	.063816	.066886	.070034	.073256	.076551	.079920	.083358	.086876
	.090464	.094126	.097851	.101652	.105535	.109485	.113509	.117603	.121771	.126016
50 60	.130331	134712	.139179	.143709	.148323	.152999	.157751	.162574	.167472	.172448
70	.177496	162606	.187804	193064	108411	.203618	209302	.214859	220187	.226196
80	.231977	.237832	.243751	249756	.255824	.261976	.268196	.274489	.280855	.287298
90	.295812	.300397	.307058	.51,5802	.320606	.327488	.554454	.341485	.348592	-355770
100	.363029	.570347	-377756	.565239	.392785	.400406	يند604.	.415888	.425736	.431659
110	• 439 657	.447733	.455874	464097	.472391 .559480	.180772	489215	.497731	506328	.515008
.120	.523742	.552566	.5h146h	.550443	.559480	.568606	•577797	.587070	.596414	.605837
130	.615334	.624912	.634564	.644292	.654085	.663965	.673914	.683940	.694039	.704227
140	.714481	.724804	.735210	.745698	.756263	766894	.777600	.788395	• 799 257	.810199
150	.821216	.832311	.843483	.854734	.866050	.877456	.888931	.900480	.912117	.923825
160	.935611	.947472	.959413	.971424	.983524	.995699	1.00795	1.02028	1.03268	1.04516
170	1.05772	1.07036	1.08307	1.09586	1.10873	1.12168	1.13470	1.14782	1.16100	1.17426
180 190	1.18760 1.32533	1.20103	1.21451	1.22809	1.24175	1.25548	1.26929	1.26319	1.29716	1.31120
200	1.47097	1.48597	1.50106	1.51622	1.53146	1.54679	1.56219	1.57768	1.59324	1.60889
210	1.62461	1.64042	1.65630	1.67228	1.68833	1.70445	1.72066	1.73695	1.75533	1.76978
550	1.78631	1.80294	1.81964	1.83642	1.85328	1.87022	1.88725	1.90435	1.92155	1.93882
230	1.95617	1.97362	1.99114	2.00874	2.02643	2.04419	2.06204	2.07998	2.09800	2.11609
240	2.13429	2.15255	2.17090	2.18953	2.20785	2.22645	2.24514	2.26590	2.26276	2.30170
250	2.32071	2.33983	2.35902	2.37829	2.39765	2.41710	2.43662	2.45624	2.47594	2.49572
260	2.51558	2.53555	2.55558	2.57571	2.59592	2.61622	2.63659	2.65706	2.67762	2.69826
270	2.71899	2.73980	2.76070	2.78168	2.80276	2.82392	2.84516	2.86650	2.88792	2.90943
260	2.93102	2.95271	2.97448	2.99634	3.01828	3.04032	3.06244	3.08464	3.10695	3.12933
290	3.15181	3.17436	3.19703	3.21976	3.24260	3.26552	3.28853	3.31163	3.33481	3.35809
300	3.38145	3.40491	3.42845	3.45209	3.47582	3.49963	3.52354	3.54754	3.57163	3.59581
310	3.62008	3.64444	3.66890	3.69343	3.71807	3.74279	3.76761	3.79253	3.81752	3.8 4262
320	3.86781	5.89308	3.91845	3.94392	3.96947	3.99512	4.02087	4.04670	4.07262	4.09865
330	4.12477	4.15097	4.17728	4.20567	4.23016	4.25674	4.28343	4.31020	4.33707	4.36403
340	4.39109	4.41824	4.44549	4.47282	4.50027	4.52780	4.55544	4.58316	4.61098	4.63890
350	4.66691	4.69502	4.72323	4.75153	4.77993	4.80843	4.85703	4.86572	4.89452	4.92339
360	4.95238	4.98147	5.01064	5.03992	5.06931	5.09878	5.12835	5.15803	5.18780	5.21768
. 370	5.24764	5.27772	5.30788	5.33816	5.36853	5.39899	5.42957	5.46024	5.49100	5.52187
380	5.55285	5.58392	5.61510	5.64638	5.67775	5.70923	5.74080	5.77249	5.80428	5.83617
390	5.86816	5.90025	5.93244	5.96475	5.99715	6.02965	6.06227	6.09498	6.12780	6.16071
400	6.19575	6.22686	6.26010	6.29343	6.32688	6.36043	6.39407	6.42783	6.46169	6.49566
410	6.52974	6.56593	6.59820	6.63260	6.66710	6.70171	6.73642	6.77124	6.80617	6.84121
420	6.87635	6.91161	6.94696	6.98243	7.01800	7.05369	7.08949	7.12539	7.16140	7.19752
430	7-23375	7.27009	7.30655	7.54510 7.71480	7.57978	7.41656	7.45344	7.49046	7.52757	7.56479
440	7.60213	7.65958	7.67723	7.71480	7.75258	7.79048	7.82849	7.86660	7.90485	7.94319
450	7.98166	8.02022	8.05891	8.09772	8.13663	8.17566	8.21481	8.25407	8.29345	8.33294
¥60	8.37254	8.41226	8.45209	8.49205	8.53212	8.57229 8.98060	8.61261	8.65302	8.69356	8.73421 9.14723
470	8.77498	8.81587	8.85688	8.89800	8.93924	0.90000	9.02208	9.06368	9.10540	9.57221
480 490	9.18919 9.61537	9.25127 9.65866	9.27546 9.70207	9.31578	9.35821 9.78926	9.40077 9.83303	9.44345	9.92095	9.52917	10.0094
500	10.0538	10.0983	10.1429	10.1877	10.2326	10.2776	10.3227	10.3680	10.4134	10.4589
500 510	10.5046	10.5503	10.5962	10.6425	10.6884	10.7347	10.7811	10.8276	10.8743	10.9211
520	10.9680	11.0151	11.0623	11.1096	11.1570	11.2046	11.2523	11.5001	11.3481	11.3962
530	11.4444	11.4927	11.5412	11.5898	11.6386	11.6875	11.7365	11.7856	11.6549	11.8843
540 I	11.9339	11.9856	12.0334	12.0855	12.1334	12.1856	12.2340	12.2845	12.3351	12.3859
550	12.4367	12.4878	12.5390	12.5905	12.6417	12.6933	12.7450	12.7969	12.8489	12.9010
560	12.9533	13.0057	13.0582	15.1109	13.1638	13.2167	13.2698	13.3231	13.5765	13.4300
570	13.4837	13.5575	13.5915	13.6456	13.6999	13.7542	15.8088	13.8635	13.9183	13.9732
580	14.0283	14.0836	14.1590	14.1945	14.2502	14.5061	14.3620	14.4182	14.4744	14.5309
590	14.0205	14.6441	14.7010	14.7580	14.8152	14.8725	14.9299	14.9875	15.0453	15.1032
	47.70(7	A-1.01			1				1-7.4.77	->

TABLE I. - IMPACT PRESSURE Q IN DECKES OF MERCURY FOR VALUES OF CALIBRATED AIRSPEED Vc IN MILES PER HOUR - Concluded

Calibrated airspeed, V _C , mph	0	1	2	5	b	5	6	7	8	9
600	15.1615	15.2195	15.2776	15.3363	15.5950	15.4538	15.5128	15.5719	15.6312	15.6906 16.2955
610	15.7502	15.8099	15.8698	15.9298	15.9900	16.0503	16.1108	16.1715	16.2325	16.9116
620	16.55	16.4156	16.4771	16.5387	16.6004	16.6623	16.7244	16.7866 17.4176	17.4816	17.5458
630	16.9745	17.0371	17.1001	17.1655	17.2267	17.2902 17.9341	17.5538 17.9994	18.0649	18.1305	18.1963
640	17.6101	17.6746	17.7392	17.8040	17.8690 18.5277	18.5945	18.6615	18.7286	18.7959	18.8634
650	18.2622	18.5264 18.9988	18.5946	19.1349	19.2032	19.2717	19.3404	19.4092	19.4782	19.5474
660 670	18.9310 19.6167	19.6863	19.7560	19.8258	19.8959	19.9661	20.0365	20.1070	20.1778	20.2487
680	20.3198	20.5911	20.4625	20.5541	20.6059	20.6779	20.7501	20.8224	20.8949	20.9676
690	21.0405	21.1136	21.1868	21.2602	21.3338	21.4076	21.4816	21.5557	21.6300	21.7046
700	21.7795	21.8541	21.9292	22.0045	22.0799	22.1555	22.2313	22.5075	22.3855	22.4599
710	22.5364	22.6132	22.6901	22.7672	22.8446	22.9220	22.9997	23.0776	23.1557	25.2559
720	25.3124	25.5911	23.4699	23.5489	23.6261	25.7076	25.7872	23.8670 24.6758	24.7578	24.8399
730	24.1076	24.1881	24.2689	24.3499	24.4311	24.5125	25.4207	25.5045	25.5885	25.6727
740	24.9223	25.0049	25.0877	25.1706	25.2538	25.3372 26.1821	26.2677	26.3535	26.4396	26.5258
750	20.DU	25.8417	25.9265 26.7861	26.0115 26.8731	26.960¥	27.0479	27.1356	27.2235	27.3116	27.4000
760	26.61.22 27.4885	26.6989 27.5772	27.6661	27.7555	27.8446	27.9341	26.0239	26.1136	28.2040	28.2943
770 780	26.5848	28.4756	28.5665	28.6577	28.7490	28.8405	28.9323	29.0242	29.1165	29.2086
790 790	29.3011	29.3939	29.4868	29.5799	29.6732	29.7667	29.8605	29.9542	30.0485	30.1425
800	50.2570	50.5516	30.4264	30.5214	30.6166	30.7120	30.8076	50.9054	50.9994	31.0955
810	11.1918	31.2884	31.5851	31.4820	31.5791	31.6765	31.7738	31.8714	31.9692	32.0672
820	32.1654	32.2658	32.3624	32.4611	32.5600	32.6591	32.7584	32.8579	32.9575	35.0574
850	33-1574	33.2576	33-3579	35.4585	35 5592	33.6601	35.7612	33.8625	35.9639	34.0655
840	34.1674	34.2693	34 - 5715	34.4738	34.5765	34.6790	34.7819	34.8849	34.9881	35.0195 36.1350
850	35 .1951	33.2988	35.4027	35.5068	35.6111	25.71.55	35.8201 36.8757	55.9249 56.9822	36.0299 37.0889	37.1957
860	36.2403	36.3458	36.4514	36.5572 37.6248	36.6632 37.7325	36.7694 37.8404	37.9484	38.0566	38.1649	38.2735
870 880	37.3027	37.4099	37.5173 38.6001	38.7093	38.8187	36.9262	39.0379	39.1478	39.2578	59.3680
890	58.5822 59.4784	38.4910 39.5889	39.6996	39.8105	39.9215	10.0327	40.1441	40.2556	10.3673	40.4792
900	40.5912	40.7054	40.8157	40.9263	41.0409	41.1538	¥1.2668	11.3799	41.4933	¥1.6068
910	41.720k	11.8342	41.9482	42.0624	42.1767	42.2911 45.4446	42.4057	42.5205	42.6355	42.7506
920	12.8659	42.9815	45.0969	45.2126	45.3286		+5.5609	45.6772	43.7938	45.9105
930	NA .0274	44.1444	14.2616	14.5790	44.4965	44.6141	14.7320	H. 8499	H9681	15.086
940-	45.2049	15.3235	45.4422	45.4612	45.6803	15.7995	45.9189	46.0385	46.1581	46.2781
950 960	46.3981	46.5183	16.6586	46,7591	46.8798	47.0006	47.1216	47.2427	47.5640	48.708
960	47.6070	47.7268	47.8506	47.9727	48.0949	\$8.2175 59.4495	48.3398 ho 6776	48.4625	48.5855 49.8221	49.9461
970	48.8515	48.9547	49.0782 50.3211	49.2018 50.4665	49.3256 50.5716	50.6970	49.5735 50.8226	50.9484	51.0743	51.200
980 990	50.0715 51.3265	50.1962 51.4529	51.5794	51.7061	51.8329	51.9598	52.0870	32.2142	52.3417	52.4696
1,000	50.5070	52.7248	52.8529	52.9810	55.1094	55.2379	53.3665 54.6611	53.4953	53.6242	53.753
1,100	52.5970 53.8825	54.0119	54.1414	54.2711	54.4010	54.5509		54.7914	54.9218	55.0524
1,200	55.1851	55.5110	55.4450	55.5762	55.7076	55.8390	55.9707	56.1024	56.2544	56.366
1,300	56.4987	56.6311	56.7636	56.8965	57.0291	57.1621	57.2952	57.4205	57.5619	57.695
1,400	57.8292	57.9650	58.0970	58.2512	58.3655	58.4999	58.6345 59.9887	58.7695	58.9042	29.0392
1,500	59.1744	59.3098	59.4452	59.5809	59.7167	59.8526		60.1249	60.2615	60.3976
1,600	60.5344	60.6712	60.8082	60.9453	61.0826	62.6020	61.5575	61.4952	61.6550	63.1589
1,700	61.9091	62.0474	62.1858	62.7244	62.4651 63.8585	63.9986	62.7410	64.2797	63.0194 64.4204	64.561
1,800 1,900	65.2985 64.7023	63.4382	63.5781 64.9849	65.7181 65.1265	65.2680	65.4097	65.5517	65.6957	65.8359	65.978
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TABLE II.- DOPACT PROBRIES C. IN POUNDS FOR SQUARE POOT FOR VALUES OF CALIFFRANCE ADMINISTR V. IN MILES FOR NOW.

Calibrated mirspeed, V _C , mph	0	1	2	5	•	,	6	7	8	,
0 ,	0.000000	0.002116	0.010369	0.022855	0.040631	0.063698	0.091844	0.125068	0.167584	0.20758
10	.255427	.309603	.368010	.453,708	.501332	-575399	.654758 1.72 6 55	.739195	.828076	.92288
20	1.02277	1.12731	1.25778	1.55290	1.47289	1.59796	1.72055	1.86418	2.00490	2.15092
30 40	2.30139	2.45777	2.61861	2.78536	2.95678	5.15548	3.52484	3.50149	3.69386	3.89130
40	4.09298	4.50058	4.51347 6.92066 9.84358	4.73059 7.18942	4.95322	5.16113	5.41415	5.65242	5.89557	6.1444
50 60	6.39817	6.65720	6.92066	7.18942	7.46411	7.74345	8.02808	8.31758	8.61257	8.91266
	9.21782	9.52763	9.84358	10.1640	10.4905	10.8211	11.1571	11.4985	11.847	12.1966
70	12.5556	12.9151	15.2026	13.6547	14.0528	14.4152	14.8032	15.1961	15.5942	15.9980
80	16.4068	16.8210	17.2396	17.6645	18.099	18.5285	18.9685	19.4135	19.8637	20.5195
90	20.7802	21.2460	22.7270	22.1940	22.6753	23.1620	25.6547	24.1520	24.6546	25.1622
100	25.6756	26.1955	26.7172	27.2465	27.7802	28.5192	28.8641	29.4141	29.9692 35.8106 42.1821	30.5296 36.4245
110	31.0953	31.6664	32.2423	92.8258	33.4104	94.003≥	34.6001 40.8654	95.2026 41.5212	25.0106	42.8485
120	57.0423	57.6663	38.2957	98.9308	99.5699 46.2609	0.2153	40.8654	11.5212	42.1821	
130	45.5202	44.1976	44.8803	45.5685	46.2609	46.9597	47.6635	48.5725	49.0867	19.8073
140	50.5325	51.2626	51.9986	52.740k	53.4876 61.2524	54.2395	54.9967 62.8707	55.7602	y6.528k	57.3023
150	58.0615	58.8662	59.656	60.4521	61.2724	62.0591	62.0[U]	63.6876	64.5105	65.3386
160	66.1722	67.0111	67.8557	68.7051	69.5609 78.4162	70.4220	71.2002	72.1605	75.0572	75.9201
170	74.8083	75.7024	76.6016	77.5062 86.8582	76.4162	79.5321 66.7956	80.2531	61.1806	82.1130	63.0507
180 190	85.9945 95 <i>-75</i> 55	84.9441 94.7401	85.8979 95.7508	96.7666	87.8241 97.7885	98.8361	89.7723 99.8486	90.7550	91.7429 101.931	92.7562 102.981
200	104.036	105.097	106.164	107.236	108.315	100 300	110.488	111 581	112.685	113.790
210	114.903	116.021	117.144	118.274	119.409	109.599 120.549	121.696	111.585 122.848	124.006	125.170
220	126.339	127.515	128.696	129.863	131.075	150.27	155.478	134.688		157.125
230	138.353	139.587	140.826	142.071	143.322	192.274	145.841	147.109	135.904 148.385	149.665
250	150.950	152.242	155.559	154.843	196.153	157.469	158.790	160.117	161.451	162.790
270	164.135	165.487	166.84	168.208	169.577	170.952	172.555	175.720	175.114	176.513
260 I	177.918	179.550	180.747	182.170	183.599	185.055	106.476	187.92	109.578	190.857
270	192.304	193.776	195.254	196.738	196.226	199.725	201.228	202.757	204.251	205.773
260	207.300	208.834	210.574	221.919	213.472	215.030	216.595	218.165	219.742	221.326
290	222.915	224.511	226.114	227.722	229.337	250.958	252.505	234.219	235.658	257.505
300	239.157	240.817	242.481	244.155	245.831	247.516	249.207	250.90A	252,608	254.318
310	256.055	257.757	259.487	261.222	262.965	264.714	266.469	268.233	269.999	272.774
320	273.556	275.543	277.157	278.939	280.746	262.560	264 . 381	286.208	268.041	289.882
530 E	291.729	293.582	295.443	297.310	299.183	301.063	302.950	30h.8hh	306.745	308.652
940	310.565	312.485	314.412	316.546	318.287	320.234	322.189	324.149	326.117	528.092
350	330.073	532.061	334.0%	596.058	338.066	-0.062	342.105	94.194	346.171	548.213
360	550.265	352.320	354.384	756.455	358.533	360.618	362.709	364.808	366.914	369.026
370	371.116	373.273	575.406	577.548	579.695	181.850	384 .015	186.182	588.558	390.541
380	392.732	394.930	397.134	900.347	401.566	403.792	406.025	408.266	410.514	412.770
390	415.052	417.302	419.579	999.347 421.864	424.155	426.454	428.761	431.074	433.396	455.724
NOO	438.059	140.402	NA2.753	445.110	447.476	وه.وند	452.226	454.616	497.011	159.114
110	461.824	464.242	466.666	469.099	471.559	473.987	476.442	478.904	461.575	485.853
120	486.338	488.832	491.532	469.099 493.841	196.357	475.987 498.881	901.415	503.952	506.499	509.053
430	511.616	514.186	491.332 516.764	519.350	496.357 521.944	524.545	527.155	529.772	532.396	535.029
440	557.670	540.318	542.974	545.659	548.311	550.991	553.679	556.575	559.080	561 792
150	364.513	567.240	569.976	572.721	575.475	578.233	581.002	585.779	586.564	589-357
¥60	592.158	594.967	597.784	600.610	603.445	606.286	609.137	611.996	614.862	617.737
470	620.621	623.513	626.415	629.322	652.238	635.164 664.881	698.097	641.040	643.990	646.949
480	649.916	652.892	655.877	629.322 658.870	661.871	664.881	667.899	670.926	673.962	677.006
+9 0	680.059	683.120	686.191	689.269	692.357	695.453	698.558	701.673	704.793	707.925
500	711.065	724.223	717.569 749.431	720.536 752.667	725.711	726.895	730.088	753.290	196.500	739.729
510	742.948	746.185	749.431	752.607	775.951	759.225	762.507	765.798	769.098	772.408
520	777-726	T79.05%	762.391	165.151	789.095	792 - 57	795.830	799.215	802.605	806.007
530 540	809.418	812.877	816.267	819.705	823.153	Be6.610	830.077	833.552	857.058	840.555
5 h 0	Bhh .037	847.551	851.075	854.607	858.149	861.701	865.263	868.855	672.414	876.00
550 560	879.604	865.214	886.833	890.462	894 .100	897.748	901.406	905.074	908.751	912.438
560	916.136	919.843	923.560	927.267	951.024	954.770	938.526	942.293	946.070	949.856
570	955.652	957.459	961.275	965.102	968.939	972.786	976.642	980.509	984.386	988.274
56 0	992.171	996.080	999.998	1003.93	1007.86	1011.81	1015.77	1019.74	1023.72	1027.71
590	1031.71	1035.72	1039.75	1043.78	1047.82	1051.87	1055.94	1060.01 i	1064.10	1068.19

TABLE II. - IMPACT PRESSURE Q. IN POUNDS PER SQUARE FOOT FOR VALUES OF CALIBRATED AIRSPERD Vo. IN MILES PER BOUR - Concluded

Calibrated irspeed, V _C , mph	0	1	2	3	•	,	6	7	8	9
4	-			1084.68	1086.85	1000 00	1097.16	1101.5	1105.53	:109.73
600	1072.30	1076.42	1080.54	1126.65		1092.99	11.39.46	1143.75	1148.05	1152.56
610	1115.95	1118.17	1122.41		1130.91	11.72.10	1182.85	1187.25	1191.67	1196.09
6 20	1156.68	1161.02	1165.36	1169.72	1174.09	1178.46				1240.95
630 640	1200.55	1204.97	1209.43	1215.90	1218.76	1222.87	1227.57	1231.88	1296.41	1286.95
640	1245.49	1250.06	1254.63	1259.21	1263.81	1268.41	1275.05	1277.66	1282.30	
650 660	1291.62	1296.50	1300.98	1305.68	1,110.40	1315.12	1319.86	1324.60	1529.36	1534.15
660	1558.92	1343.71	1548.52	1355.34	1358.17	1363.02	1367.87	1372.74	1577.62	1382.51
670	1397.42	1392.55	1397.26	1402.21	1407.16	1412.12	1417.10	1422.09	1427.10	14.32.11
680	1457.14	1442.18	1447.24	1452.30	1497.39	1462.47	1467.57	1472.69	1477.82	1+82.96
690	1488.12	1493.28	1498.46	1505.66	1508.86	1514.08	1519.51	1524.55	1529.81	1555.08
700	1540.37	1545.66	1550.97	1556.29 1610.2	1561.65	1566.98	1572.5	1577.71	1585.10	1588.50
71.0	1595.92	1599.34	1604.79	1610.2	1615.71	1621.19	1626.68	1632.19	1637.71	1645.25
720	1593.92 1648.80	1654.36	1659.94	1665.53	1671.15	1676.75	1682.38	1686.02	1695.68	1599.35
730	1705.04	1710.7	1716.45	1722.18	1727.92	1733.67	1759.44	1745.25	1751.02	1756.85
740	1762.66	1768.50	1774.35	1760.22	1786.10	1792.00	1797.91	1803.84	1809.78	1815.73
750	1821.70	1827.68	1855.68	1839.69 1900.64	1845.72	1851.76	1857.81	1863.88	1869.97	1876.07
760	1882.18	1886.31	1894.48	1900.64	1906.81	1913.00	1919.20	1925.42	1931.65	1937.89
720 730 740 750 760 760 780	1944.16	1950.43	1996 72	1965.02	1969.34	1975.68	1980.02	1988.38	1994.76	2001.15
	2007.55	2013.97	2020.40	2026.85	2053.51	2059.78	2046.27	2052.77	2059.29	2065.52
790	2007.55 2072.36	2078.92	2085.149	2092.07	2098.67	2105.26	2111.91	2118.55	2125.20	2151.86
800	2136.54	2145.24	2151.94	2158.67	2165.40	2172.15	2178.91	2185.68	2192.47	2199.27
810	2206.08	2212.91	2219.75 2268.87	2226.60	2255.47	2240.55	2247.24	2254.14	2261.06	2267.99
820	2274.94	2261.90	2268.87	2295.85	2502.85	2309.86	2316.88	2325.91	2530.96	2558.02
850 840	2545.09	2352.18	2359.26	2366.39	2373.52	2380.65	2587.80	2394.97	2402.14	2409.55
840	2416.53	2423.74	2450.96	24.75.20	2445.45	2452.71	2459.99	2467.26	2474.58	2481.89
850 860	2489.28	2496.55	2505.90	2511.26	2518.64	2526.02	2555.42	2540.83	2548.26	2555.69
860	2565.14	2570.60	2578.07	2585.55	2595.05	2600.56	2608.08	2615.61	2623.16	2630.71
870	2636.26	2645.86	2655.45	2661.06	2668.68	2676.30	2683.94	2691.60	2699.26	2706.94
880	2714.60	2722.32	2750.04	2757.76	2745.50	2755.2	2761.00	2768.77	2776.56	2784.35
890	2798.16	2799.98	2807.80	2015.65	2823.50	2631.36	2639.24	2647.13	2655.05	2862.94
900	2870.87	2676.80	2886.74	2894.70	2902 .67	2910.65	2918.64	2926 .65	2934.66	2942.69
910	2950.75	2958.78	2966.84	2974.91	2982.99 3064.46	2991.09	2999.20	3007.32	3015.45	3023.59
920	3031.74	3039.90	3048.08	3056.27	3064.46	3072.67	5080.89	3089.13	3097 - 37	5105.62
930	3113.09	3122.17	3130.46	31,76.76	3147.07	3195.99	5163.72	3172.07	3180.42	5186.79
940	3197.17	3205.36	3213.96	3222.37	3290.79	3239.22	3247.67	3256.25	3264.59	3273.01
990	5281.56	3290.06	5298.57	5507.09	3315.63	3324.17	3332.73	3341.50	3349.87	3558.46
960	3367.06	3375.67	3504.29	3392.95	3401.97	3-10.25	3418.89	3427.57	3436.25	3444.95
970	3453.66	3462.38	3471.11	3479.86	3488.61	5-97-57	3506.15	5514.95	3523.73	3532.5
980	3541.36	3550.18	3559.02 3648.08	3392.93 3479.86 3567.87	3576.73	5585.61	3594.kg	3603.38	3612.29	3621.20
930 940 920 960 970 980 990	3630.13	3639.07	3648.0g	3656 .97	3665.94	3674.92	3683.91	3692.92	3701.93	3710.95
1,000	7719.98	5729.05	3735.08	3747.15	7776.22	3765.31	3774.42	5783.52	5792.64	5801.77
1.010	5010.91	3820.06	5829.22	3838.39	3847.57	5056.17	3865.97	3875 19	3884.41	5893.69
1,020	3902.09	3912-15	3921.42	3930.70	3939.98 1033.43	7949.28	5958.59	3967.91	3977.24	3986.59
1.050	3995.94	4005.50	4014.67	1024.06		4042.86	+052.27	1061.70	1071.15	+080.58
1,040	4090.0h	4099.50	1 k108.98	¥118.47	\$127.97	4137.48	4147.00	+156.53	1166.07	4179.62
1.090	1105.18	4194.75	4204.3A	1213.93	1223.55	1233.15	1242.TT	1232.11	4262.05	4271.71
1,060	4203.37	1291.05	¥300.73	4310.43	4320.14	1529.85	4339.58	14349.38	1359.07	+568.85
1,070	1578.60	4386.58	4598.17	1407.97	4417.78	W-27.60	14.37.43	14447.27	1457.13	1466.99
1,080	NA76.86	4486.74	1496.64	4506.5¥	4516.45	1526.38	4556.31	4546.26	4556.23	₩566.18
1,090	4576.15	4586.1A	1596.13	4606.1A	4616.16	4626.18	4656.22	1616.27	1656.52	4666.39
1,100	1676.17									

TABLE III.- IMPACT PRESSURE q_c in inches of mercury for values of calibrated airspeed v_c in knots

Calibrated airspeed, V _C , knots	٥	1	2	3		5	6	7	В	9
	0.000000	0.000051	0.000189	0.000428	0.000763	0.001194	0.001726	0.002546	0.003067	0.003875
10	.004784	.005790	.006891	.008085	.009383	.010766	.012255	.01,3833	.015508	.017283
20	.019150	.021118	.023171	.025331	.027581	.029930	.032372	.034909	.057551	.040274
		.046031	049047	.052165	.055375	.058676	.062087	.065590	.069175	.07286
30 40	.043108	.080548	.084528	.088606	.092177	.097047	.101412	.105870	.110450	.11509
	.076655		.129640	.134682	.139822	145052	.150581	.155815	.161347	.16695
50 60	.119841	.124691		.190422	.196526	.202732	.209039	.215433	.221929	.22 852
	.172679	.178492	.184417	.190422	.262945	.270120	.277409	.284773	.292241	.29 981
70	.235205	.242000	.248888	255866			-355539	.565887	.372334	.58088
80	.507485	.315247	.323108	.531067	.559119	.347281	- POLICE !	152825	62257	.47179
90	.389530	.398282	.407121	.416067	.425109	434250			• •	
100	.481424	.491160	.500993	.510923	.520953	.532078	. 1317	.551637	.562068	.57259 .68337
110	583225	593949	.604783	.615708	.626740	.637855	.649085	.660413	.671840	
120	694996	.706731	.718562	.730483	.742511	.754653	.766882	.779212	.791651	.80419
		.829561	.842403	.855544	.868384	.881528	.894780	.908125	.921578	.93512
130	.816826		.976394	990364	1.00442	1.01859	1.03286	1.04723	1.06170	1.07628
140	.948779	.962531	1.12063	1.13563	1.15072	1.16591	1.18122	1.19663	1.21213	1.22774
150	1.09097	1.10575		1.29125	1.30738	1.52562	1.55996	1.55641	1.57298	1.58965
160	1.24347	1.25929	1.27521		1.47452	1,49181	1,50921	1.52671	1.54432	1.56205
170	1.40640	1.42327	1.44025	1.45733	1.65225	1.67059	1.68906	1.70763	1.72632	1.74510
180	1.57987	1.59780	1.61584	1.65598	1.00220	1.86009	1.87964	1.89930	1.91905	1.9589
190	1.76400	1.78300	1.80211	1.82133	1.84066	1.00009	1.01904	2.09970		!
200	1.95891	1.97900	1.99920	2.01951	2.03992	2.06045	2.08108	2.10183	2.12269	2.14366 2.35944
210	2.16473	2.18593	2.20722	2.22864	2.25016	2.27179	2.29354	2.31539	2.55755	2.559
220	2.38162	2.40392	2.42634	2.44887	2.47151	2.49426	2.51713	2.54011	2.56320	2.58641
	2.60972	2.65315	2.65670	2.68036	2.70412	2.72802	2.75202	2.77614	2.80037	2.82471
230		2.87375	2.89845	2.92325	2.94818	2.97321	2.99858	3.02365	3.04904	3.07455
240	2.84918		3.15176	3.17773	5.20381	3.23003	3.25636	3.28281	3.30 937	3.33605
250	3.10015	3.12590		3,44396	3,47124	5.49864	3.52615	3.55378	3.58154	3.60042
260	3.36284	3.38977	3.41680	3.72212	3.75060	3.77921	3.80792	3.83678	3.86574	3.89483
270	3.63741	3.66553	3.69377			4.07194	4.10189	4.13197	4.16216	4.19250
280	3.92404	3.95337	3.98283	4.01241	4.04212		4.40825	4.43957	4.47102	4.50260
290	4.22293	4.25351	4.28421	4.31503	4.34597	4.57704	4.402)	4.4337	100,000	
700	1 571.70	4.56613	4.59809	4.63017	4.66238	4.69473	4.72719	4.75978	4.79252	4.8255
300	4.53430	4.89146	4.92469	4.95806	4.99156	5.02519	5.05896	5.09284	5.12687	5.16101
310	4.85834		5.26425	5.29892	5.33374	5.36868	5.40375	5.43896	5.47430	5.509T
320	5.19529	5.22971			5.68914	5.72542	5.76183	5.79838	5.83506	5.87181
330	5.54538	5.58111	5.61699	5.65300	6.05801	6.09565	6.13343	6.17135	6.20939	6.24758
340	5.90883	5.94592	5.98315	6.02051	6.44061	6.47963	6.51880	6.55811	6.59755	6.6371
350	6.28590	6.32438	6.36298	6.40173		6.87764	6.91822	6.95894	6.99981	7.0408
360	6.67687	6.71674	6.75674	6.79690	6.83719	0.0(104	7.33194	7.37412	7.41643	7.45889
370	7.08198	7.12328	7.16472	7.20631	7.24804	7.28991	7.76027	7.80391	7.84770	7.8916
380	7.50151	7.54427	7.58717	7.63021	7.67342	7.71677		8.24863	8.29393	8.3393
390	7.93575	7.98000	8.02439	8.06894	8.11363	8.15847	8.20547	0.2-007	0.27,77	
400	8.38499	8.43075	8.47668	8.52274	8.56897	8.61535	8.66188	8.70856	8.75540	8.8024
400 410		8.89687	8.94434	8.99196	9.03974	9.08768	9.13578	9.18403	9.23244	9.2810
	8.84955	9.37864	9.42769	9.47691	9.52628	9.57581	9.62551	9.67536	9.72538	9.7755
420	9.32975	9.51004	9.92708	9.97791	10.0289	10.0801	10.1314	10.1829	10.2345	10.2864
430	9.82591	9.87640	10.4428	10.4953	10.5480	10.6008	10.6538	10.7070	10.7603	10.8138
##O	10.3384	10.3905		11.0295	11.0838	11.1585	11.1930	11.2479	11.5029	111.3582
450	10.8675	10.9213	10.9753		11.6368	11.6931	11.7495	11.8061	11.8629	11.9199
₩60	11.4135	11.4691	11.5248	11.5807	10.000	12.2654	12.5256	12.5820	12.4406	12.4993
470	11.9770	12.0343	12.0918	12.1495	12.2074			12.9759	13.0565	15.0969
480	12.5583	12.6174	12.6767	12.7362	12.7958	12.8557	12.9157	13.5883	13.6505	13.7130
490	13.1577	13.2186	13.2798	13.3411	13.4026	13.4643	13.5262	12.7007	27.0707	1-2-1-2

TABLE III. - IMPACT PRESSURE QC IN INCRES OF MERCURY FOR VALUES OF CALIBRATED AIRSPEED VC IN KNOTS - Concluded

alibrated irspeed, c, knots	0	1	2	3	4	5	6	7	8	9
500	13.7756	13.8385	15,9015	15.9647	14.0261	14.0917	14 .1555	14.2195	14.2836	14.3480
510	14.4126	14.4773	14.5425	14.6074	14.6727	14.7383	14.8040	14.8699	14.9361	15.002
520	15.0689	15.1356	15.2026	15.2697	15.3570	15.4045	15.4722	15.5402	15.6085	15.6766
530	15.7451	15.8139	15.8828	15.9519	16.0215					
540	16.4417			12.9019		16.0908	16.1606	16.2505	16.5007	16.371
		16.5125	16.5835	16.6547	16.7261	16.7977	16.8695	16.9416	17.0138	17.086
550	17.1590	17.2319	17.3050	17.5785	17.4518	17.5256	17.5996	17.6737	17.7481	17.8226
560	17.8976	17.9726	18.0479	18.1254	18.1991	18.2750	18.5512	18.4275	18.5041	18.5809
570	18.6580	18.7352	18.8127	18.8904	18.9683	19.0465	19.1248	19.2034	19.2823	19.361
580	19.4406	19.5201	19.5999	19.6798	19.7600	19.8405	19.9211	20.0020	20.0831	20.164
590	20.2461	20.5279	20.4099	20.4922	20.5748	20.6575	20.7405	20.8238	20.9072	20.9909
600	21.0749	21.1591	21.2435	21.3282	21.4131	21.4982	21.5836	21.6693	21.7551	21.841
610	21.9276	22.0142	22.1011	22.1882	22.2755	22.3631	22.4510	22.5391	22.6274	22.7160
620	22.8048	22.8939	22.9833	25.0729	23.1627	25.2528	23.3432	23.4338		
630	23.7071	23.7987	25.8906	25.9828					23.5246	23.6158
640					24.0752	24.1679	24.2608	24.3540	24.4474	24.5411
	24.6351	24.7293	24.8238	24.9186	25.0136	25.1089	25.2044	25.3003	25.3964	25.492
650	25.5895	25.6862	25.7834	25.8809	25.9786	26.0765	26.1748	26.2755	26.3721	26.4712
660	26.5705	26.6702	26.7701	26.8705	26.9707	27.0714	27.1724	27.2737	27.3753	27.4777
670	27.5792	27.6815	27.7842	27.8871	27.9902	28.0937	28.1974	28.3015	28.4056	28.5100
6 8 0	28.6148	28.7198	28.8251	28.9306	29.0364	29.1425	29.2488	29.3554	29.4622	29.569
690	29.6767	29.7843	29.8922	30.0003	30.1086	30.2173	30.3261	30.4353	30.5447	30.654
700	30.7642	30.8743	30.9847	31.0955	31.2062	31.3173	51.4267	31.5403	31.6522	31.764
710	31.8766	31.9892	32,1021	32.2151	32.3285	32.4421	32.5559	32.6699	32.7842	32.8988
720	33.0135	33.1285	33,2438	33.3593	33.4730		75.7779			
730	34.1744	34.2918	34.4094			33.5910	33.7072	33.8236	35.9403	54.0572
740		74.2910		34.5272	34.6455	34.7636	34.8822	35.0010	55.1200	35.239
	35.3587	35.4785	35 5984	35.7186	35.8390	35.9596	36.0805	36.2016	36.3229	36.4444
750	36.5662	36.6882	36.8104	36.9329	37.0555	37.1785	37.3016	37.4249	37.5485	37.672
760	57.7964	37.9206	38.0451	58.1698	38.2947	38.4198	38.5452	38.6708	38.7966	38.9226
770	59.04 8 9	39.1754	39.3021	39.4290	39.5561	39 6835	59.8110	39.9388	40.0668	40.1951
780	40.3235	40.4522	40.5811	40.7102	40.8395	40.9690	41.0988	41.2267	41.5589	41.489
790	41.6199	41.7507	41.8818	42.0130	42.1445	42.2762	42.4081	42.5402	42.6725	42.8051
800	42.9578	43.0708	45.2040	43.3374	43,4710	43.6048	43.7388	43.8730	11	1
810	44.2770	44.4121	44.5474	44.6829	44.8186	44.9545	45.7500	+5.0/50	44.0075	44.1422
	45.6575	45.7744	45.9118	46.0494			45.0907	45.2270	45.3635	45.500
830	47.0184	12.11		46.0994	46.1872	46.3252	46.4634	46.6019	46.7405	46.879
		47.1576	<u>47.2971</u>	47.4367 48.8446	47.5766	47.7367	47.8569	47.9974	48.1381	48.2790
840	48.4201	48.5614	48.7029		48.9866	49.1287	49.2710	49.4135	49.5563	49.6992
	49.8425	49.9857	50.1292	50.2730	50.4169	50.5611	50.7055	50.8500	50.9948	51.1397
860	51.2849	49.9857 51.4305	51.5758	51.7216	51.8676	52.0138	52.1601	52.3067	52.4535	52.6004
870	52.7476	52.8950	53.0426	53.1904		55.4865	53.6349	55.7834		54.0812
880	54.2504	54. 370A	54.5293	54.6791	55.5383 54.8291	54.9792	55.1296	55.2801	55.9322 55.4309	
	55.7550	54.3798 55.8844	56.0339	56.1877	56.3396	56.4918	56.6441	56.7966	56.9494	55.5819
900	57-2554	57.4088	57.5623	57.7160	57.8699	58.0240	58.1783			-
	58.7975	58.9526	59.1085	59.2640				58.3328 59.8886	58.4875	58.6424
			79.1002	79.2040	59.4198	59 - 5759	59.7321		60.0455	60.2021
	60.3591	60.5164	60.6738	60.8314	60.9892	61.1173	61.5055	61.4639	61.6225	61.7812
	61.9402	62.0994	62.2588	62.4183	62.5781	62.7 38 0	62.8982	63.0585	63.2190	63.3798
940	63.5407	65.7018	63.8651	64.0246	64.1862	64.3481	64.5102	64.6725	64.8349	64.9976
	65.1604	65.3234 66.9643	65.4867	65.6500	65.8137	65.9774	66.1414	66.3056	66.4700	66.6346
	66.7993	66.9643	67.1294	67.2947	67.4602	67.6259	67.7918	67.9579	68.1242	68.2907
	68.4575	68.6242	68.7912	68.9585	69.1259	69.2015	69.4613	69.6295	69.7975	
	70.1344	70.3052	70.4721	70.6413	70.8106	70.9801	71.1498			69.9659
	71.8305	72.0011	72.1719	72.5450	72.5142	72.6856	72.8572	71.3197 73.0290	71.4897 73.2009	71.6600
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Calibrated airspeed, Vc, knots	°28228328	838838888	8888888888	<u>8</u> 2888888888	8088888

9	1014.78 1061.06 1108.75 1157.87 1208.45	1260-24 1344-16 1369-35 1466-16	154-73 160-52 1150-23 1150-30 1803-30 1872-21 1873-33 2016-33 2016-33	28.88.88.88.88.88.88.88.88.88.88.88.88.8	722.0 7218.6 7217.6 7217.6 7217.6 7217.6 7217.6 7217.6 7217.6	1147.55 1259.78 1259.75 1429.75 1429.81 1489.79 1489.79 1489.79 1489.79 1489.79 1489.79
. 8	1010.23 1096.37 1109.91 1152.89	1255.28 1368.73 1465.46 1466.66	15% 66 1660.35 1775.18 1775.19 1775.19 1975.28 2009.62 2009.73 2009.73	2236.64 2336.70 2405.77 2405.78 2655.66 2655.66 2655.17 2655.17 2655.17 2655.17 2655.17	200 200 200 200 200 200 200 200 200 200	1136.66 1246.77 1278.38 1598.33 1701.17 1936.31 1936.31 2056.20
1	1095.69 1091.69 1147.92 1198.21	1250.00 1303.31 1358.19 1472.78	15%:8 1594:10 1594:10 1723:16 1789:19 1988:19 2001:50 2076:20	22 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25	200 200 200 200 200 200 200 200 200 200	423-66 423-66 423-66 423-66 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 423-69 40 40 40 40 40 40 40 40 40 40 40 40 40
9	1001.16 1047.05 1094.29 1142.96	12.00 12.00 12.00 12.00 12.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 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6	986.651 1082.38 1089.50 1138.04	2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	1520.45 1501.66 1703.58 1773.66 1914.59 1986.66 291.14	22 22 22 24 25 25 25 25 25 25 25 25 25 25 25 25 25	200 200 200 200 200 200 200 200 200 200	1103.88 1213.88 1213.88 1554.10 15551.10 1556.33 1566.33 1560.87 500.15
	92.154 1037.75 1084.73 1135.12	25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 25.15.25 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Calibrated airspeed, Vc. knots	****	***	3 383333588	\$\$\$\$\$\$\$\$\$\$	88888888888	838888888

Table V.- Static pressure $\ \ p$ in inches of mercury for values of pressure altitude $\ \ H$ in geopotential free

[These values are from refs. 8 and 10]

Pressure altitude, E, geopotential ft	0	100	200	300	400	500	600	700	800	900
-1,000 -0	31.0185	30.0295	30.1382	30.2471	30.3563	30.4659	30.5758	30.6860	30.7965	30.90 73
0	29.9213	29.8133	29.7056	29.5983	29.4913	29.3846	29.2782	29.1721	29.0663	28.9608
1,000	28.8557	28.7508	28.6463	28.5421	28.4382	28.3345	28.2312	28.1282 27.1148	28.0255	27.9231 26.9158
2,000	27.8210	27.7193	27.6178	27.5166	27.4157	27.3151 26.3256	27.2148 26.2283	26.1312	26.0345	25.9380
3,000	26.8167	26.7179	26.6193	26.5211	26.4232 25.4600	25.3653	25.2708	25.1767	25.0828	24.9892
4,000	25.8418	25.7459 24.8029	25.6504	25.5550 24.6177	24.5255	24.4336	24.3419	24.2506	24.1595	24.068
5,000	24.8959 23.9782	23.8880	23.7980	23.7083	23.6189	23.5297	23.4409	23.3523	23.2639	23.1759
6,000 7,000	25.0881	23.0006	22.9133	22.8263	22.7396	22.6532	22.5670	22.4811	22.3954	22.3100
8,000	22.2249	22.1401	22.0555	21.9711	21.8871	21.8033	21.7197	21.6364	21.5534	21.4700
9,000	21.3881	21.3058	21.2238	21.1421	21.0606	20.9793	20.8983	20.8176	20.7371	20.6569
10,000	20.5769	20.4972	20.4177	20.3385	20.2595	20.1808	20.1023	20.0211	19.9461	19.8684 19.1044
11,000	19.7909	19.7136	19.6366	19.5599	19.4834	19.4071	19.5510 18.5839	19.2553 18.5105	19.1797 18.4373	18.364
12,000	19.0293	18.9545	18.8799	18.8055	18.7514 18.0032	18.6575 17.9316	17.8603	17.7892	17.7184	17.647
13,000	18.2917	18.2192	18.1470	18.0749	17.2980	17.2287	17.1597	17.0909	17.0223	16.953
14,000	17.5773	17.5072	17.4372 16.7501	17.3675 16.6 8 27	16.6154	16.5483	16.4815	16.4149	16.3485	16.282
15,000	16.8858	16.8178	16.0851	16.0198	15.9547	15.8899	15.8252	15.7608	15.6965	15.632
16,000	16.2164	16.1507 15.5051	15.4417	15.3785	15.3155	15.2528	15.1902	15.1279	15.0657	15.003
17,000	15.5687	14.8806	14.8192	14.7581	14.6972	14.6365	14.5760	14.5157	14.4556	14.395
18,000 19,000	14.5360	14.2765	14.2173	14.1582	14.0993	14.0406	13.9821	15.9238	13.8657	13.807
20,000	13.7501	13.6926	13.6352	13.5781	13.5212	13.4644	13.4079	13.3516	13.2954	13.239
21,000	13.1836	13.1281	13.0727	13.0175	12.9624	12.9076	12.8550	12.7985	12.7442	12.690
22,000	12.6363	12.5826	12.5290	12.4757	12.4225	12.3696	12.3168	12.2642	12.2117	12.159 11.646
23,000	12.1074	12.0556	12.0039	11.9523	11.9010	11.8498	11.7988	11.7480	11.2007	11.152
24,000	11.5967	11.5466	11.4966	11.4469	11.3973	11.3479	11.2987	10.7685	10.7213	10.674
25,000	11.1035	11.0551	11.0069	10.9589	10.9110	10.3957	10.3498	10.5041	10.2586	10.213
2≲,000	10.6274	10.5808	10.5342	10.4679	9.98887	9.94447	9.90023	9.85616	9.81224	9.768
27,000	10.1681	10.1230 9.68144	9.63815	9.59502	9.55205	9.50923	9.46658	9.42407	9.38172	9.339
28,000	9.72488	9.25559	9.21385		9.13083	9.08956	9.04843	9.00745	8.96662	8.925
29,000	9.29748					'	'	0 (0507	8,56652	8.527
5 0,000	8.88541	8.84503	8.80480		8.72479	8.68500	8.64536 8.25696	8.60587	8.18100	8.143
51 ,000	8.48826	8.44935	8.41059	8.37197	8.33349	8.29515	7.88281	7.84616	7.80966	7.773
32,000	8.10561	8.06813	8.05079		7.95652	7.91960	7.52251	7.48722	7.45208	7.417
33,000	7.73705	7.70095	7.66499 7.31281	7.27833	7.24397	7.20975	7.17566	7.14170	7.10787	7.074
34,000	7.38218	7.54743	6.97385		6.90761	6.87468	6.84188	6.80920	6.77665	6.744
35,000 36,000	6.71194	6.67977	6.64774		6.58414		6.52115		6.45877	1
36,000 37,000	6.39698	0.01911	6.33578		6.27517	1	6.21514	ļ	6.15568	1
37,000 38,000	6.09679	ł	6.03846		5.98070		5.92348	1	5.86681	1
39,000	5.81069		5.75510		5.70004		5.64551		5.59151	l
40,000	5.53801		5.48503		5.43256		5.38059		5.32911	
41,000	5.27813		5.22764		5.17763		5.12809		5.07904	
42,000	3.03045	1	4.98232		4.93466		4.88745		4.61354	
43,000	4.79439		4.74852		4.70309		4.65810	1	4.59704	
44,000	4.56940		4.52569		4.48239		4.43951	ł	4.19070	
45,000	4.35497		4.31331		4.27205		4.03262	1	3.99405	1
46,000	4.15061	1	4.11090 5.91799		3.88051		3.84339		3.80662	1
47,000	3.95584	1	3.73413		3.69841		3.66503		3.62799	
48,000	3.77020		3.55890		3.52486		3.49113	1	3.45774	
49,000	7.79,720	1	1	1	1	<u> </u>	1	<u> </u>	1	

TABLE V.- STATIC PRESSURE p IN INCHES OF MERCURY FOR VALUES OF PRESSURE ALTITUDE H IN GEOFOTENTIAL FEET - Concluded

[These values are from refs. 8 and 10]

Pressure altitude, H, geopotential	0	200	400	500	600	800
50,000 51,000 52,000 53,000 54,000 55,000 56,000 57,000 58,000 59,000	3.42466 3.26395 3.11078 2.96481 2.62568 2.69308 2.56670 2.44625 2.33146 2.22205	5.39189 5.25273 5.08103 2.93644 2.79864 2.66731 2.54215 2.42285 2.30916 2.20079	3.35945 3.20180 3.05155 2.90835 2.77187 2.64180 2.51783 2.35967 2.28706 2.17974		5.32731 3.17117 3.02236 2.88053 2.74535 2.61652 2.49374 2.37672 2.26519 2.15889	3.29548 3.14083 2.99344 2.85297 2.71909 2.59149 2.46988 2.35398 2.24351 2.13823
60,000 61,000 62,000 53,000 64,000 65,000 66,000 67,000 68,000 69,000	2.11778 2.01840 1.92368 1.83341 1.74737 1.66538 1.5872 1.5127 1.4417 1.3741	2.09752 1.99909 1.90528 1.61587 1.73066 1.64944	2.07745 1.97996 1.88705 1.79850 1.71410 1.65366	1.5495 1.4768 1.4075 1.3415	2.05758 1.96102 1.86900 1.78129 1.69770 1.61804	2.05789 1.94226 1.85112 1.76425 1.68146 1.60256
70,000 71,000 72,000 73,000 74,000 75,000 76,000 77,000 76,000 79,000	1.3096 1.2482 1.1896 1.1338 1.0806 1.0298 .98152 .93546 .89156			1.2785 1.2185 1.1613 1.1068 1.0549 1.0054 .95822 .91325 .87039 .82955		
80,000 81,000 82,000 83,000 84,000 85,000 86,000 86,000 88,000	.80985 .77185 .73565 .70117 .66847 .63742 .60795 .57992 .55330 .52801			.79062 .75352 .71818 .68461 .65274 .62248 .59374 .56644 .54050 .51584		
90,000 91,000 92,000 93,000 94,000 95,000 96,000 97,000 98,000 99,000	.50398 .48113 .45940 .45875 .41907 .40037 .36257 .36563 .34950 .33414		.	.49241 .47012 .44893 .42878 .40960 .39136 .37399 .35746 .34172 .32674		
100,000	.31951			_		

TABLE VI.- STATIC PRESSURE P IN POUNDS PER SQUARE POOT FOR VALUES OF PRESSURE ALTITUDE E IN GEOFOTENTIAL FEET

[These values are from refs. 8 and 10]

Pressure altitude, E, geopotential ft	o	100	200	30 00	400	500	60 0	700	800	900
-1,000	2193.82						4			a. 0a. a.(
- 0	i i	2127.87	2131.56	2139.26	2146.99	2154.73	2162.51	2170.30	2178.12	2185.96
0	2116.22	2108.58	2100.97	2093.37	2085.80	2078.26	2070.73	2063.23	2055.75	2048.29
1,000	2040.85	2033.44	2026.04	2018.67	2011.32	2003.99	1996.69	1989.40	1982.14	1974.90
2,000	1967.68	1960.48	1953.50	1946.14	1939.01	1951.89	1924 .80	1917.73	1910.68	1834.50
3,000 4,000	1896.64	1889.65	1882.68	1875.74	1868.81	1861.91	1855.02	1848.16	1841.32 1774.01	1767.39
4,000	1827.69	1820.91	1814.15	1807.41	1800.69	1793.99	1787.31	1780.65	1708.71	1702.29
5,000	1760.79	1754.21	1747.65	1741.11	1734.59	1728.09	1721.61	1715.15 1651.62	1645.37	1639.14
6,000	1695.89	1689.50	1683.14	1676.80	1670.47	1664.17	1657.88		1583.94	1577.90
7,000	1632.93	1626.74	1620.57	1614.42	1608.29	1602.17	1596.08	1590.00 1530.26	1524.39	1518.53
8,000	1571.88	1565.88	1559.90	1553.93	1547.99	1542.06 1483.79	1536.15	1472.35	1466.66	1460.98
9,000	1512.70	1506.88	1501.08	1495.30	1489.53	1407.79	1470.00	1412.55	1400.00	1400.90
10,000	1455.33	1449.69	1444.07	1438.47	1432.88	1427.31	1421.76	1416.23	1410.71	1405.21 1351.18
11,000	1399.73	1394.27	1388.82	1383.39	1377.98	1372.59	1367.21	1361.85	1356.51	1298.8
12,000	1345.87	1340.58	1355.30	1330.04	1524.80	1319.58	1514.37	1509.18	1304.00	1248.16
13,000	1293.70	1288.57	1283.46	1278.37	1273.30	1268.23	1265.19	1258.16	1255.15 1205.92	1199.09
14,000	1245.18	1258.21	1233.27	1228.34	1223.42	1218.52	1215.64	1208.77 1160.96	1156.27	1151.59
15,000	1194.27	1189.46	1184.67	1179.90	1175.14	1170.40	1165.67	1114.70	1110.15	1105.63
16,000	1146.92	1142.27	1137.64	1155.02	1128.42	1123.83	1119.26	1069.94	1065.54	1061.16
17,000	1101.11	1096.61	1092.13	1087.66	1085.21	1078.77	1074.35 1030.91	1026.64	1022.59	1018.16
18,000	1056.80	1052.44	1048.11	1043.79	1039.48	1035.18	988.899	984.776	980.667	976.57
19,000	1013.93	1009.73	1005.53	1001.35	997.188	993.036	900.099	304.770	900.007	1 310.51
20,000	972.490	968.422	964.368	960.328	956.302	952.289	948.290	944.304	940.332	936.37
21,000	932.429	928.497	924.579	920.675	916.783	912.906	909.041	905.190	901.351 863.690	897.52
22,000	893.715	889.916	886.130	882.358	878.598	874.852	871.118	867.398 830.893	827.312	859.99 823.74
23,000	856.313	852.643	848.986	845.343	841.711	838.093	854.487		792.186	788.14
24,000	820.188	816.645	813.114	809.595	806.089	802.595	799.113 764.963	795.643	758.277	754.95
25,000	785.308	781.887	778.478	775.081	771.697	768.324	732.005	728.773	725.555	722.34
2€,000	751.638	748.337	745.047	741.769	738.502	735.248	700.206	697.088	693.982	690.88
27,000	719.148	715.962	712.788	709.625	706.474	703.334 672.552	669.535	666.528	663.533	660.54
28,000	687.803	684.731	681.670	648.719	645.789	642.869	639.960	637.062	634.175	631.29
29,000	657.575	654.612	651.660	040./19	045.709	G-2.009	0,9.900	1 .		
30,000	628.431	625.575	622.730	619.895	617.071	614.257	611.453	608.660	605.877	603.10 575.94
31,000	600.342	597.590	594.849	592.117	589.396	586.684	583.983	581.292	578.611	549.7
32,000	573.279	570.628	567.987	565.355	562.734	560.123	557.521	554.929	552.347 527.057	524.58
33,000	547.212	544.659	542.115	539.582	537.058	534.543	532.038	529.543	502.712	500.32
34,000	522.113	519.655	517.207	514.768	512.338	509.918 486.220	507.507 483.900	505.105 481.589	479.287	476.99
35,000	497.955	495.589	493.233	490.887	468.549 465.671	400.220	461.216	401.709	456.804	410.77
36,000	474.710	472.434	470.169	ł	443.819		439.573	1	435.368	1
37,000	452.434		448.106	1	422.992	1	418.945	1	414.937	İ
38,000 39,000	451.203 410.968	1	427.077 407.036		403.142	1 1	399.286	 	395.466	1
40,000	1	1			384.224		380.548		376,908	}
41,000	391.682 373.302	ł	387.935 369.731	1	366.194	1	362.690	l	559.221	
42,000	355.784		352.381	1	349.010	1	345.671	1	342.364	1
43,000	339.088	i	335.845		332.632	1	329.450	I	326.298	
44,000	323.176		320.084	1	317.022	1	313.990	1	310.986	
45,000	308.011	1	305.064	1	302.145	i	299.255	1	296.392	ŀ
4€,000	293.557	1	290.748	1	287.967	1	285.212	I	282.484	1
47,000	279.781	ļ	277.105	1	274.454	1	271.828		269.228	
48,000	266.652		264.101	1	261.574	1	259.072	1	256.594	Į.
49,000	254.139		251.708		249.300	1	246.915	I	244.552	l .

TABLE VI. - STATIC PRESSURE p IN POUNDS PER SQUARE FOOT FOR VALUES OF PRESSURE ALTITUDE H IN GEOPOTENTIAL FEET - Concluded

These values are from refs. 8 and 10]

Pressure altitude, H, geopotential ft	0	200	1400	500	600	800
50,000 51,000 52,000 53,000 54,000 55,000 56,000 57,000 58,000 59,000	242.213 230.847 220.014 209.689 199.849 190.471 181.533 173.014 164.895 157.157	239.896 228.638 217.909 207.683 197.937 188.649 179.796 171.359 163.318 155.654	237.601 226.451 215.824 205.696 196.044 186.844 178.076 169.720 161.755 154.165		255.528 224.285 213.760 203.729 194.168 185.057 176.373 168.096 160.208 152.690	233.076 222.139 211.715 201.780 192.311 183.286 174.685 166.488 158.675 151.229
60,000 61,000 62,000 63,000 64,000 65,000 66,000 67,000 68,000 69,000	149.782 142.754 136.055 129.670 123.585 117.786 112.26 106.99 101.97 97.184	148.349 141.388 134.753 128.430 122.403 116.659	146.930 140.035 133.464 127.201 121.232 115.543	109.59 104.45 99.548 94.877	145.525 138.696 132.187 125.984 120.072 114.437	144.132 137.369 130.923 124.779 118.923 113.343
70,000 71,000 72,000 73,000 74,000 75,000 76,000 77,000 78,000 79,000	92.624 88.277 84.135 80.187 76.424 72.837 69.419 66.162 63.057 60.098			90.424 86.181 82.137 78.282 74.609 71.108 67.771 64.591 61.560 58.671		
80,000 81,000 82,000 83,000 84,000 85,000 86,000 87,000 88,000	57.278 54.590 52.028 49.591 47.278 45.082 42.996 41.015 39.133 37.344			55.918 53.294 50.794 48.420 46.166 44.026 41.993 40.062 58.227 36.484		
90,000 91,000 92,000 93,000 94,000 95,000 96,000 97,000 98,000 99,000	35.644 34.028 32.491 31.030 29.639 28.317 27.058 25.859 24.719 25.652			34.826 33.250 31.751 30.526 28.970 27.679 26.451 25.282 24.169 23.109		
100,000	22.598					

TABLE VII. - RATIO OF DOPACT PRESSURE TO STATIC PRESSURE q_c/p FOR VALUES OF MACH NUMBER [These values are from ref. 3]

Mach number, M	0	1	2	3	4	5	6	7	ε	9
0.10	0.00702	0.00716	0.00730	0.00745	0.00759	0.00774	0.00789	0.00804	0.00819	0.00834
.11	.00850	.00865	.00881	.00397	.00913	.00929	.00945	.00962	.00978	.00995
.12	.01012	.01029	.01046	.01063	.01080	.01098	.01116	.01134	.01152	.01170
.12	.01188	.01206	.01225	.01244	.01263	. 01282	.01301	.01320	.01339	.01359
		.01399	.01419	.01439	.01459	.01480	.01500	.01521	.01542	.01563
.14	.01379	.01605	.01627	.01648	.01670	.01692	.01714	.01736	.01758	.01781
.15	.01584		.01849	.01872	.01895	.01919	.01942	.01966	.01990	.02014
.16	.01804	.01826				.02160	.02185	.02210	.02236	.02261
.17	.02038	.02062	.02086	.02111	.02135	.02416	.02443	.02469	.02496	.02523
.1દ	.02286	.02312	.02338	.02364	.02390	.02416	.02715	.02743	.02771	.02800
.19	.02550	.02577	.02604	.02632	.02659	,	1			İ
.20	.02828	.02857	.02886	.02914	.02944	.02973	.03002	03032	.03061	.03091
.21	.03121	.03151	.05182	.05212	. 03243	.03273	.03304	.03335	.03366	.03398
.22	.03429	.03461	. 05493	.03525	.03557	.03589	.03621	.03654	.03686	.03719
.23	.03752	.03785	.03819	.03852	. 03886	.03919	.03953	.03987	.04022	.04.056
.24	.04090	.04125	.04160	04195	.04230	.04265	.04301	.04336	.04372	80 HHO.
.25	بالبالبان	04480	.04516	.04553	.04589	.04626	.04663	.04700	.04738	.04775
.26	.04813	.04850	.04888	.04926	.04964	.05003	.05041	.05080	.05119	.05158
.20	.05197	.05236	.05275	.05315	.05355	.05395	051.35	. 05475	.05515	.05556
	.05596	.05637	.05678	.05719	.05761	.05802	05844	.05896	.05927	.05970
.26 .29	.06012	.06054	.06097	.06140	.06182	.06225	.06269	.06312	.06356	.06399
		-0.0-	A/57.	06575	.06620	.06665	.06709	.06754	.06799	.06845
-30	.06443	.06487	.06531	.06575		.07120	.07166	.07213	.07259	.07306
.31	.06390	.06936	.06982	.07027	.07074			.07687	.07736	.07754
. 32	. 07353	.07401	.07448	.07496	.07543	.07591	.07639	.08178	.08228	.08278
.33 .34 .35 .36	.07833	.07582	.07931	.07980	.08029	.08079	.08128			.08789
. 34	.08329	.08379	08430	.08481	.08531	. 08583	. 08634	.08685	.08737	
.35	.08841	.08893	.08945	.0 8998	.09050	.09103	.09156	.09209	.09263	.09316
. 36	.09370	.09424	.09478	.09532	.09586	.09641	.09695	.09750	.09805	.09860
-37	.09916	.09971	.10027	.10085	.10139	.10195	.10251	.10308	.10364	.10421
. 38	.10478	.10535	.10593	.10650	.10708	.10766	.10824	.10882	.10941	.10999
-39	.11058	.11117	.11176	.11235	.11295	.11354	.11414	.11474	.11534	.11595
.40	.11655	.11716	.11777	.11838	.11899	.11960	.12022	.12084	.12146	.12208
.41	.12270	.12332	.12395	.12458	.12521	.12584	.12647	.12711	.12774	.12838
.42	12902	.12966	.13031	.13095	.13160	.13225	.13290	.13355	.13421	.13487
.43	.13552	.13618	.13685	.13751	.13818	.13884	.13951	.14018	.14086	.14153
44	.14221	14289	14357	14425	14493	.14562	.14630	.14699	.14768	.14838
.45	14907	.14977	.15047	15117	.15187	.15257	.15328	.15399	.15470	.15541
.46	.15612	.15684	.15755	.15827	.15899	.15972	.16044	.16117	.16190	.16263
	.16336	.16409	.16483	.16557	.16631	.16705	.16779	.16854	.16928	.17003
-47		.17154	.17229	.17305	.17381	.17457	.17533	.17610	.17686	.17763
.48 .49	.17079	.17917	.17995	.18072	.18150	.18228	.18307	.18385	.18463	18542
_	.18621	.18700	.18780	.18859	.18939	.19019	.19099	.19180	.19260	.19341
.50 .51	.19422	.19503	.19584	.19666	.19748	.19830	.19912	.19994	.20077	.20159
·) .	.20242	.20326	.20409	20492	.20576	.20660	.20744	.20829	.20913	.20995
.52	.21083	.21168	.21253	.21339	.21425	.21511	.21597	.21683	.21770	.21657
.53 .54		.22031	.22118	.22206	.22294	.22382	.22470	.22559	.22647	.22736
.54	.21944		.23004	.23094	.23184	.23274	.23364	.23455	.23545	.23636
.55 .56	.22825	.22914		.24002	.24094	.24186	.24279	.24372	24464	.24558
.20	.23727	.23819	.23910	.24932	.25026	.25121	.25215	.25310	.254.05	.25500
.57	.24651	. 24744		.25883	.25980	.26076	.26173	.26270	26367	.26464
.58	.25596	.25691	.25787	.26856	.26955	.27053	.27152	.27252	.27351	.27451
.59	.26562	.26660	.26758				1	1		
.60	.27550	.27650	.27751	.27851	.27952	.28053	.28154	.28255	.28357	.28459
.61	.28561	.28663	.28766	.28869	.28972	.29075	.29178	.29282	.29386	.29490
.62	29594	.29699	.29804	.29909	.30014	.30119	.30225	.30331	.30437	.30544
.63	30650	.30757	.30864	.30972	.31079	.31187	.31295	. 31403	.31512	.31621
.64	.31729	.31839	.31948	.32058	.32168	.32278	.32388	.32499	.32610	.32721
.65	32832	32944	.33056	.33168	.33280	-33393	.33505	33618	-33732	.33845
.66	.33959	34073	34187	.34301	. 34416	.54531	.34646	.34762	34877	.34993
.67	.35110	35226	35343	.35460	35577	.35694	.35812	.35930	36048	.36166
.68	.36285	36404	.36523	36642	36762	36882	.37002	.37122	.37243	.37364
.69	.37485	37606	37728	.37850	37972	. 58094	.38217	.38340	.38463	.38586

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TABLE VII.- RATIO OF IMPACT PRESSURE TO STATIC PRESSURE q_{e}/p FOR VALUES OF MACE NUMBER - Continued [These values are from ref. 3]

		T			· · · · · · · · · · · · · · · · · · ·	T			Г	
Mach	_	l .	1 _	_		_	,	_ ا	8	
number,	0	1	2	3	4	5	6	7	•	9
м	ļ		ļ <u> </u>							
0.70	0.38710	0.38834	0.38958	0.39083	0.39207	0.39332	0.39458	0.59583	0.39709	0.39835
.71	.59961	.40088	.40214	.40341	40469	.40596	.40724	.40852	40980	.41109
.72	.41238	.41367	.41496	.41626	.41756	. 41886	.42017	.42147	.42278	.42410
	.42541	.42673	.42805	.42937	.43070	43203	.43336	.43469	.43603	+3737
. 73		.44005	.44140	142971	.45010 .44410	.44546	.44682	.44818	44954	.45091
. 74	.45871			.44275			.46055	.46194	.46553	.46473
. 75	.45228	.45365	.45503	.45640	.45778	.45917			.47740	.47882
.76	.46612	.46752	.46893	.47033	.47174	47315	.47457	.47598		
-77	.48025	.48168	.48511	.48454	.48598	.48742	.48386	.49030	.49175	.49320
. 78	.49466	.49611	-49757	.49903	.50050	.50197	. 50344	.50491	.50639	.50787
-79	.50935	.51084	.51233	. 51382	.51531	.51681	. 51831	.51981	.52152	.52283
.80	. 52434	.52586	-52737	. 52889	.53042	.53195	.55347	.53501	.53654	.53808
.81	.53962	54117	54272	54427	. 54 582	.54738	54894	.55050	.55207	.55364
.82	55521	.55679	.55836	55994	.56153	56312	56471	.56630	.56790	56950
.83		.57271	57432	•57593	.57754	.57916	58078	.58241	58404	.58567
	.57110	1.21517	.5/452	•21792				.59883	.60049	.60215
.84	.58730	58894	59058	. 59222	. 59387	.59552	.59717			.61896
.85	.60382	.60549	.60716	.60884	.61051	.61220	.61388	.61557	61726	
.86	.62066	.62236	.62406	.62577	.62748	.62920	.63091	.63263	.63436	.63609
.87	.63782	.63955	.64129	.64303	.64477	.64652	.64827	.65003	.65178	.65354
.88	.65531	.65708	.65885	.66062	.66240	.66418	.66596	.66775	.66954	.67134
.89	.67314	.67494	.67674	.67855	.68036	.68218	.68399	.68582	.68764	.66947
.90	.69130	.69314	.69498	.69682	.69867	.72052	.70237	.70423	.70609	70795
	.09150			.71544	.71732	.71920	.72109	.72298	72488	.72678
.91	.70982	.71169	.71356	11744 malilia		.73825		.74210	.74403	.74596
.92	.72868	73059	.73250	.73441	.73633		.74017			
-93	.74790	.74984	75179	-75574	.75569	.75765	75961	.76157	.76354	.76551
.94	.76749	76946	.77145	·77545	.77542	.77742	.77941	.78141	78342	.78543
٠95	.78744	.78945	.79147	.79350	.79552	.79755	79959	.80163	.80367	.80571
.96	.80776	.80982	.81187	.81394	.81600	.81807	.82014	.82222	.82430	.82638
.97 .98	.82847	.83056	.83266	.83476	.83686	.83897	.84108	.84319	.84531	.84744
.98	.84956	.85169	.85383	.85597	.85811	.86025	.86241	.86456	.86672	.86888
.99	.87105	.87322	.87339	.87757	.87975	.88194	.88413	.88632	.88852	.89072
1.00	.89293	.89514	.89735	.89957	.90180	.90402	.90625	.90849	.91073	.91297
		.09714		10000	.90100	.92651	.92878		-93333	.93561
1.01	.91521	.91746	.91972	.92198 .94478	.94708	.94938	.95169	.93105 .95401	.95632	.95864
1.02	.93790	.94019	.94248	.96796	.97030	.97265	.97500		.97970	.98206
1.03	.96097	.96550	.96563				.91500	.97735		
1.04	.98442	.98679	.98916	.99155	.99391	.99629	.99868	1.00106	1.00346	1.00585
1.05	1.00825	1.01066	1.01306	1.01547	1.01789	1.02051	1.02273	1.02515	1.02758	1.03002
1.06	1.05245	1.03489	1.05734	1.03978	1.04224	1.04469	1.04715	1.04961	1.05208	1.05455
1.07	1.05702	1.05949	1.06197	1.06446	1.06694	1.06944	1.07193	1.07443	1.07693	1.07943
1.08	1.08194	1.08445	1.08697	1.08949	1.09201	1.09454	1.09707	1.09960	1.10214	1.10468
1.09	1.10722	1.10977	1.11232	1.11487	1.11743	1.11999	1.12255	1.12512	1.12769	1.13027
1.10	1.13285	1.13543	1.15801	1.14060	1.14320	1.14579	1.14839	1.15099	1.15360	1.15621
	1.15882	1.16144	1.16406	1.16668	1.16930	1.17195	1.17457	1.17720	1.17984	1.18249
1.11						1.19842				
1.12	1.18513	1.18778	1.19044	1.19509	1.19575		1.20108	1.20375	1.20645	1.20910
1.13	1.21178	1.21447	1.21715	1.21985	1.22254	1.22524	1.22794	1.23064	1.23555	1.23606
1.14	1.25877 1.26608	1.24149	1.24421	1.24695	1.24966	1.25239	1.25512	1.25785	1.26059	1.26334
1.15		1.26883	1.27159	1.27434	1.27710	1.27986	1.28263	1.28540	1.28817	1.29095
1.16	1.29372	1.29651	1.29929	1.50208	1.30487	1.30767	1.31047	1.31327	1.31607	1.31888
1.17	1.32169	1.32450	1.52752	1.33014	1.33297	1.33579	1.33862	1.34146	1.34429	1.34713
1.18	1.34998	1.35282	1.35567	1.55852	1.36138	1.36424	1.36710	1.36997	1.37284	1.37571
1.19	1.37858	1.38146	1.38434	1.35852	1.39011	1.39500	1.59590	1.39879	1.40169	1.40460
	1 1 0000		1 1.1770	1.41624	1.41916	1,42208	1.42500	3 1:0707	1.43086	1 1.7700
1.20	1.40750	1.41041	1.41532					1.42795		1.45580
1.21	1.45674	1.43968	1.44262	1.44557	1.44852	1.45147	1.45442	1.45738	1.46035	1.46331
1.22	1.46628	1.46925	1.47223	1.47520	1.47818	1.48117	1.48416	1.48715	1.49014	1.49313
1.25	1.49613	1.49914	1.50214	1.50515	1.50816	1.51118	1.51419	1.51721	1.52024	1.52326
1.24	1.52629	1.52955	1.53236	1.55540	1.53844	1.54149	1.545	1.54759	J-,55064	1.55370
1.25	1.55676	1.55982	1.56289	1.56596	1.56905	1.57210	1.57518	1.57826	1.58155	1.58444
1.26	1.58755	1.59062	1.59572	1.56596 1.59682	1.59992	1.60502	1.60613	1.60924	1.61256	1.61548
1.27	1.61860	1.62172	1.62485	1.62797	1.63111	1.63424	1.63738	1.64052	1.64367	1.64681
1.28	1.64996	1.65521	1.65627	1.65943	1.66260	1.66576	1.66893	1.67210	1.67527	1.67845
1.29	1.68163	1.68481	1.68800	1.69119	1.69438	1.69758	1.70077	1.70397	1.70718	1.71038
>	1	1	1							,,-

TABLE VII. - RATIO OF IMPACT PRESSURE TO STATIC PRESSURE q_c/p FOR VALUES OF MACH NUMBER - Continued [These values are from ref. 3]

		,								
Mach	_				Ja .	5	6	7 1	8	9
number,	0	1	2	3	•			'	-	-
H				:						
7.70		1 51691	1 2000	1.72324	1.72646	1.72969	1.73291	1.73614	1.73938	1.74261
1.30	1.71359	1.71681	1.72002		1.75884	1.76209	1.76535	1.76861	1.77187	1.77513
1.31	1.74585	1.74909	1.75234	1.75559		1.79479	1.79807	1.80136	1.80465	1.80795
1.32	1.77840	1.78167	1.78495	1.78823	1.79151	1.82778	1.83109	1.83441	1.83773	1.84105
1.33	1.81125	1.81455	1.81785	1.82116	1.82447		1.86440	1.86775	1.67110	1.87445
1.34	1.844.38	1.84771	1.85104	1.85438	1.85772	1.86106	1.89800	1.90137	1.90475	1.90813
1.35	1.87781	1.88116	1.88452	1.88789	1.89126	1.89463			1.90475	1.94211
1.36	1.91152	1.91491	1.91830	1.92169	1.92508	1.92848	1.95188	1.93529	1.95870	
1.37	1.94552	1.94893	1.95255	1.95577	1.95920	1.96263	1.96606	1.96949	1.97293	1.97636
1.38	1.97981	1.98325	1.98670	1.99015	1.99360	1.99706	2.00052	2.00398	2.00744	2.01091
1.39	2.01438	2.01785	2.02133	2.02481	2.02829	2.05177	2.03526	2.05875	2.04224	2.04574
. 1.0	0.01.001	0.05070	2.05624	2.05975	2.06326	2.06677	2.07029	2.07380	2.07733	2.08085
1.40	2.04924	2.05274	2.00024	2.09497	2.09851	2.10205	2.10560	2.10914	2.11269	2.11624
1.41	2.08438	2.08791	2.09144	2.13048	2.13405	2.13762	2.14119	2.14476	2.14834	2.15192
1.42	2.11980	2.12336	2.12692		2.16987	2.17346	2.17706	2.18067	2.18427	2.18788
1.43	2.15551	2.15909	2.16268	2.16627			2.21322	2.21685	2.22048	2.22412
1.44	2.19149	2.19511	2.19872	2.20234	2.20597	2.20959			2.25697	2.26064
1.45	2.22776	2.23140	2.23505	2.23869	2.24234	2.24600	2.24965	2.25331	2.2707	2.29744
1.46	2.26431	2.26798	2.27165	2.27532	2.27900	2.28268	2.28637	2.29005	2.29374	
1.47	2.30113	2.30483	2.30853	2.51225	2.31594	2.31965	2.32536	2.32707	2.33079	2.33451
1.48	2.53825	2.34196	2.34569	2.34942	2.35315	2.35689	2.36063	2.36437	2.36812	2.37187
1.49	2.37562	2.37937	2.38313	2.38688	2.39065	2.39441	2.39818	2.40195	2.40572	2.40950
			0 1.0001	0 1.01.54	2.42842	2.43221	2.43600	2.43980	2.44360	2.44740
1.50	2.41327	2.41706	2.42084	2.42463		2.47028	2.47410	2.47793	2.48176	2.48559
1.51	2.45121	2.45502	2.45883	2.46264	2.46646			2.51633	2.52019	2.52405
1.52	2.48942	2.49326	2.49710	2.50094	2.50478	2.50863	2.51248			2.56278
1.53	2.52791	2.53177	2.53564	2.53951	2.54558	2.54725	2.55113	2.55501	2.55889	
1.54	2.56667	2.57056	2.57445	2.57835	2.58225	2.58615	2.59005	2.59396	2.59787	2.60179
1.55	2.60570	2.60962	2.61354	2.61747	2.62139	2.62532	2.62925	2.63319	2.63713	2.64107
1.55 1. 5 6	2.64501	2.64896	2.65290	2.65686	2.66081	2.66477	2.66873	2.67269	2.67665	2.68062
1.57	2.68459	2.68856	2.69254	2.69652	2.70050	2.70449	2.70847	2.71246	2.71645	2.72045
1.58	2.72445	2.72845	2.73245	2.73646	2.74046	2.74448	2.74849	2.75251	2.75653	2.76055
1.59	2.76457	2.76860	2.77263	2.77666	2.78070	2 78474	2.78878	2.79282	2.79687	2.80092
				- 00-51		0.0000	2.82934	2.83341	2.83749	2.84156
1.60	2.80497	2.80903	2.81308	2.81714	2.82121	2.82527		2.87427	2.87837	2.88248
1.61	2.84564	2.84972	2.85381	2.85790	2.86199	2.86608	2.87017			2.92366
1.62	2.88658	2.89069	2.89480	2.89892	2.9050	2.90716	2.91128	2.91540	2.91953	
1.63	2.92780	2.93193	2.93607	2.94021	2.94436	2.94850	2.95265	2.95681	2.96096	2.96512 3.00694
1.64	2.96928	2.97344	2.97761	2.98178	2.98595	2.99012	2.99430	2.99848	3.00266	
1.65	3.01103	3.01522	3.01941	3.02361	3.02781	3.03201	3.05621 3.07840	3.04042	3.04463	3.04884
1.66	3.05305	3.05727	3.06149	3.06571	3.06994	3.07417	3.07840	5.08263	3.08687	3.09110
1.67	3.09535	3.09959	3.10384	3.10809	3.11234	3.11659	3.12085	3.12511	3.12937	3.13364
1.68	3.13791	3.14218	3.14645	3.15073	3.15501	3.15929	3.16357	3.16786	3.17215	3.17644
1.69	3.18074	3.18503	3.18933	3.19364	3.19794	3.20225	3.20656	5.21088	3.21519	3.21951
				* 0=(0)	1 01:335	3.24548	3.24982	3.25416	3.25850	3.26285
1.70	5.22383	3.22816	3.23248	3.23681	3.24115	5.28898		3.29771	3.30208	3.30646
1.71	3.26720	3.27155	3.27590	3.28026	3.28462		3.29335		3.34593	3.35033
1.72	3.31083	3.31521	3.31959	3.32397	3.32836	3.33275	3.33714	3.34154		3.39447
1.73	3.35473	3.35914	3.36355	3.36796	3.37237	3.37679	3.38120	3.38562	3.39005	
1.74	3.39890	3.40333	3.40777	3.41221	3.41665	3,42109	3.42553	3.42998	3.43443	3.43868
1.75	3.44334	3.44780	3.45226	3.45672	3.46119	3.46566	3.47013	3.47460	3.47908	3.48356
1.76	3.48804	3.49253	3.49701	3.50150	3.50600	3.51049	3.51499	3.51949	3.52400	3.52850
1.77	3.53301	3.53752	3.54204	3.54655	3.55107	3.55560	3.56012	3.56465	3.56918	3.57371
1.78	3.57825	5.58278	3.58733	3.59187	3.59642	3.60096	3.60552	3.61007	3.61463	3.61919
1.79	3.62375	3.62831	3.63288	3.63745	3.64202	3.64660	3.65118	3.65576	3.66054	3.66 493
			- 650-6		# 60mm	# 600E0	3.69710	B 70171	3.70632	3.71093
1.80	5.66952	3.67411	3.67870	3.68330	3.68790	3.69250 3.73867	3.74330	3.70171 3.74793	3.75257	3.75721
1.81	3.71555	3.72017	3.72479	3.72941	3.73404			3.79442	3.79908	3.80374
1.82	3.76185	3.76649	3.77114	3.77579	3.78044	3.78510	3.78975	3.19442		
1.83	3.80841	3.81308	3.81776	3.82243	3.82711	3.83179	3.83648	3.84117	3.84585	3.85055
1.84	3.85524	3.85994	3.86464	3.86934	3.87405	3.87876	3.88347	3.88818	3.89290	3.89761
1.85	3.90234	3.90706	3.91179	3.91652	3.92125	3.92598	3.93072	3.93546	3.94020	3.94495
1.86	5.94970	3.95445	3.95920	3.96596	3.96871	3.97347	3.97824	3.98300	3.98777	3.99255
1.87	3.99732	4.00210	4.00688	4.01166	4.01644	4.02123	4.02602	4.05081	4.05561	4.04041
1.88	4.04521	4.05001	4.05482	4.05963	4.06444	4.06925	4.07407	4.07889	4.08371	4.08855
	4.09336	4.09819	4.10302	4.10786	4.11270	4.11754	4.12238	4.12722	4.13207	4.13692
1.69										

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TABLE VII. - RATIO OF IMPACT PRESSURE TO STATIC PRESSURE q_c/p FOR VALUES OF MACE NUMBER - Continued [These values are from ref. 3]

Mach number,	0	1	2	3	4	5	6	7	8	9
1.90	4.14178 4.19046	4.14663 4.19534	4.15149 4.20023	4.15635 4.20511	4.16122 4.21000	4.16608 4.21490	4.17095 4.21979	4.17583 4.22469	4.18070 4.22959	4.18558 4.23450
1.92	4.23940 4.28861	4.24431 4.29355	4.24922	4.25414	4.25905	4.26397 4.31331	4.26890	4.27382	4.27875	4.28368 4.33312
1.94	4.33808 4.38782	4.34304	4.34801	4.35298	4.35795	4.36292	4.36789	4.37287	4.37785	4.38283 4.43280
1.96 1.97	4.43782	4.44283 4.49312	4.44785	4.45287 4.50321	4.45789 4.50826	4.46291	4.46794	4.47297	4.47800 4.52848	4.48304 4.53354
1.98	4.53860 4.58939	4.54367 4.59448	4.54874	4.55381 4.60468	4.55889 4.60978	4.56396 4.61488	4.56904 4.61999	4.57413 4.62510	4.57921 4.63021	4.58430 4.63532
2.00 2.01	4.64044 4.69175	4.64556	4.65068 4.70205	4.65581 4.70720	4.66093	4.66606	4.67120 4.72267	4.67633 4.72783	4.68147 4.73299	4.68661 4.73816
2.02	4.74333	4.74850	4.75368 4.80557	4.75885	4.76403	4.76922	4.77440	4-77959	4.78478	4.78997
2.04	4.79517 4.84727	4.85249	4.85772	4.81077 4.86295	4.81598 4.86818	4.87342	4.87865	4.83161 4.88389	4.83914	4.84205
2.05	4.89965 4.95226	4.90488 4.95753	4.91014	4.91539 4.96809	4.92065 4.97338	4.92591 4.97867	4.93117	4.93644	4.94171 4.99454	4.99984
2.07	5.00514 5.05829	5.01045 5.06362	5.01575 5.06895	5.02106 5.07429	5.02637 5.07962	5.03168 5.08496	5.03700 5.09031	5.04232 5.09565	5.04764 5.10100	5.05296 5.10635
2.09	5.11170	5.11706	5.12242	5.12778	5.13314	5.13851	5.14387	5.14925	5.15462	5.16000
2.10 2.11	5.16538 5.21931	5.17076 5.22472	5.17614 5.23013	5.18153 5.23554	5.18692 5.24096	5.19231 5.24637	5.19770 5.25180	5.20510 5.25722	5.20850 5.26265	5.21390 5.26807
2.12	5.27351	5.27894	5.28438	5.28981	5.29526	5.30070	5.30615	5.31160	5.31705	5.32250
2.13	5.32796 5.38268	5.33342 5.38817	5.33889 5.39366	5.34435 5.39915	5.34982 5.40464	5.35529 5.41014	5.36076 5.41564	5.36624 5.42114	5.37172 5.42664	5.37720 5.43215
2.15 2.16	5.43766 5.49290	5.44317 5.49844	5.44869 5.50398	5.45421 5.50953	5.45973 5.51507	5.46525	5.47077 5.52617	5.47630 5.53173	5.48183 5.53728	5.48737 5.54284
2.17	5.54841 5.60417	5.55397 5.60976	5.55954 5.61535	5.56511 5.62095	5.57063 5.62655	5.57625	5.58133	5.58741	5.59300	5.59858
2.18 2.19	5.66019	5.66581	5.67143	5.67705	5.68268	5.63215 5.68830	5.63775 5.69393	5.64336 5.69957	5.64897 5.70520	5.65458 5.71084
2.20	5.71648 5.77303	5.72212 5.77870	5.72777 5.78437	5.73342 5.79004	5.73907 5.79572	5.74472 5.80140	5.75038 5.80708	5.75604 5.81276	5.76170 5.81845	5.76736 5.82414
2.22	5.82983	5.83555	5.84123	5.84693	5.85265	5.85834	5.86404	5.86976	5.87547	5.88118
2.25	5.88690 5.94423	5.89262 5.94998	5.89835 5.95573	5.90407 5.96148	5.90980 5.96724	5.91554 5.97299	5.92127 5.97875	5.92701 5.98452	5.93275 5.99028	5.93849 5.99605
2.25	6.00182	6.00760 6.06547	6.01337 6.07127	6.01915 6.07708	6.02495	6.03071 6.08870	6.03650 6.09451	6.04229 6.10032	6.04808 6.10614	6.05388 6.11196
2.27	6.11778 6.17616	6.12361 6.18201	6.12944 6.18786	6.13527	6.14110	6.14694	6.15278	6.15862	6.16446	6.17031
2.29	6.23479	6.24066	6.24654	6.19372 6.25243	6.19958 6.25831	6.26420	6.21130 6.27009	6.21717 6.27598	6.22304 6.28188	6.22891 6.28778
2.30 2.31	6.29368 6.35283	6.29958 6.35876	6.30549 6.36469	6.31140 6.37063	6.31731 6.37657	6.32322 6.38251	6.32914	6.33506 6.39439	6.34098 6.40034	6.34691 6.40629
2.32	6.41225	6.41820	6.42416	6.43012	6.43608	6.44205	6.44802	6.45399	6.45996	6.46594
2.33	6.47192	6.47790 6.53786	6.48388 6.54387	6.48987 6.54988	6.49586 6.55590 6.61620	6.50185 6.56192	6.50785 6.56794	6.51384 6.57396	6.51984 6.57999	6.52585 6.58601
2.35 2.36	6.59205 6.65250	6.53786 6.59808 6.65856	6.60412	6.61015 6.67069	6.61620 6.67675	6.68282	6.62829 6.68890	6.57396 6.63434 6.69497	6.64039	6.64644
2.37	6.71321	6.71930	6.72539	6.73148	6.73757	6.74367	6.74977	6.75587	6.76197	6.76808
2.38	6.83542	6.78030 6.84156	6.78641 6.84770	6.79253 6.85384	6.79865 6.85999	6.86477 6.86613	6.81090 6.87229	6.81702	6.82315 6.88459	6.82929 6.8907 5
2.40 2.41	6.89691 6.95867	6.90308 6.96486	6.90924	6.91541 6.97724	6.92158 6.98344	6.92776 6.98964	6.93393	6.94011 7.00205	6.94630 7.00826	6.95248 7.01447
2.42	7.02068	7.02690	7.05511 7.09544	7.03954 7.10169	7.04556	7.05178	6.99584 7.05801 7.12044	7.06424	7.07048	7.07672
2.44	7.14549	7.15175	7.15802	7.16430	7.17057	7.17685	7.18313	7.18941	7.19570	7.13922 7.20199
2.45	7.20828	7.21457	7.22087	7.22717	7.23347 7.29663	7.23977	7.24608	7.25239 7.31562	7.25870 7.32196	7.26501 7.32830
2.47	7.33464 7.59821	7.34099	7.34734	7.35369	7.36004	7.36640 7.43010	7.37275 7.43648	7.37912	7.38548 7.44926	7.39185
2.49	7.46205	7.46844	7.47484	7.48125	7.48765	7.49406	7.50047	7.50688	7.51530	7.45565 7.51972

TABLE VII.- RATIO OF IMPACT PRESSURE TO STATIC PRESSURE q_c/p FOR VALUES OF MACE NUMBER - Continued [These values are from ref. 3]

Mach number, M	o	1	2	3	14	5	6	7	8	9
2.50	7.52614	7.53256	7.53899	7.54541	7.55184	7.55828	7.56471	7.57115	7.57760	7.58404
2.51	7.59049	7.59694	7.60339	7.60984	7.61630	7.62276	7.62922	7.65568	7.64215	7.64862
2.52	7.65510	7.66157	7.66805	7.67453	7.68101	7.68750	7.69399	7.70048	7.70697	7.71347
2.53	7.71996	7.72647	7.73297	7.73948	7.74598	7.75250	7.75901	7.76553	7.77205	7.77857
2.54	7.78509	7.79162	7.79815	7.80468	7.81122	7.81775	7.82429	7.83084	7.83738	7.84393
2.55	7.85048	7.85703	7.86359	7.87015	7.87671	7.88327	7.88984	7.89641	7.90298	7.9095
2.56	7.91613	7.92271	7.92929	7.93587	7.94246	7.94905	7.95564	7.96223	7.96883	7.9754
2.57	7.98203	7.98864	7.99525	8.00186	8.00847	8.01508	8.02170	8.02832	8.03494	8.0415
2.58	8.04820	8.05483	8.06146	8.06810	8.07474	8.08138	8.08802	8.09467	8.10132	8.1079
2.59	8.11462	8.12128	8.12794	8.13460	8.14127	8.14793	8.15460	8.16128	8.16795	8.1746
2.60	8.18131	8.18799	8.19468	8.20136	8.20805	8.21475	8.22144	8.22814	8.23484	8.2415
2.61	8.24825	8.25496	8.26167	8.26838	8.27510	8.28182	8.28854	8.29527	8.30199	8.3087
2.62	8.51545	8.32219	8.32892	8.33566	8.34241	8.34915	8.35590	8.36265	8.36940 8.43707	8.3761 8.4438
2.63	8.38291	8.38968	8.39644	8.40320	8.40997	8.41674	8.42352	8.43029 8.49819	8.50500	8.5118
2.64	8.45064	8.45742	8.46421	8.47100	8.47780	8.48459	8.49139		8.57319	8.5800
2.65	8.51862	8.52543	8.53224	8.53906	8.54588	8.55270	8.55953	8.56636	8.64163	8.6484
2.66	8.58685	8.59369	8.60053	8.60738	8.61422	8.62107	8.62792	8.63478	8.71034	8.7172
2.67	8.65535	8.66222	8.66908	8.67595	8.68282	8.68970	8.69657	8.70345		8.7862
2.68	8.72411	8.73100 8.80004	8.73789 8.80696	8.74479 8.81388	8.75168 8.82080	8.75858 8.82773	8.76549 8.83466	8.77239 8.84159	8.77930 8.84852	8.8554
•	i '''			8.88323	8.89018	8.89713	8.90409	8.91105	8.91801	8.9249
2.70	8.86240	8.86934	8.87629		8.95982	8.96680	8.97378	8.98076	8.98775	8.9947
2.71	8.93193	8.93890	8.94587	8.95284 9.02271	9.02971	9.03672	9.04373	9.05073	9.05775	9.0647
2.72	9.00173	9.00872	9.01572		9.02971	9.10690	9.11393	9.12097	9.12800	9.1350
2.73	9.07178	9.07880	9.08582	9.09284	9.09987 9.17028	9.17734	9.18440	9.19146	9.19852	9.205
2.74	9.14209	9.14913	9.15618	9.16323	9.24096	9.24804	9.25512	9.26221	9.26930	9.276
2.75	9.21266	9.21973	9.22680	9.23388	9.24090	9.31900	9.32611	9.55522	9.34033	9.3474
2.76	9.28348	9.29058	9.29768	9.30478	9.38308	9.39021	9.39735	9.404.9	9.41163	9.4187
2.77	9.35457	9.36169	9.36882	9.37595	9.45453	9.46169	9.46885	9.47601	9.48318	9.490
2.76 2.79	9.42592	9.43307 9.50470	9.44022 9.51187	9.51905	9.52624	9.53342	9.54061	9.54780	9.55499	9.5621
2.80	9.56939	9.57659	9.58379	9.59099	9.59820	9.60541	9.61263	9.61984	9.62706	9.6342
2.81	9.64151	9.64873	9.65596	9.66319	9.67043	9.67767	9.68490	9.69215	9.69939	9.7066
2.82	9.71389	9.72114	9.72840	9.73565	9.74291	9.75018	9.75744	9.76471	9.77198	9.7792
2.63	9.78653	9.79381	9.80109	9.80837	9.81566	9.82294	9.83024	9.83753	9.84483	9.8521
2.84	9.85943	9.86673	9.87404	9.88135	9.88866	9.89597	9.90329	9.91061	9.91793	9.9252
2.85	9.93258	9.93991	9.94725	9.95458	9.96192	9.96926	9.97660	9.98395	9.99129	9.9986
2.86	10,00600	10.01335	10.02071	10.02807	10.03544	10.04280	10.05017	10.05754	10.06492	10.0722
2.87	10.07967	10.08705	10.09444	10.10183	10.10921	10.11661	10.12400	10.13140	10.13880	10.1462
2.88	10.15361	10.16101	10.16842	10.17584	10.18325	10.19067	10.19809	10.20551	10.2129	10.220
2.89		10.23523	10.24267	10.25010	10.25755	10.26499	10.27244	10.27988	10.28754	10.2947
2.90	10.30225	10.30971	10.31717	10.32463	10.33210	10.33957	10.34704	10.35452	10.36199	10.3694
2.91	10.37695	10.38444	10.39193	10.39942	10.40691	10.41441	10.42190	10.42940	10.43691	10.4444
2.92	10.45192	10.45943	10.46695	10.47446	10.48198	10.48950	10.49703	10.50455	10.51208	10.519
2.93	10.52715	10.53468	10.54222	10.54977	10.55731	10.56486	10.57241	10.57996	10.58751	10.5950
2.94	10.60263	10.61019	10.61776	10.62533	10.63290	10.64047	10.64805	10.65562	10.66321	10.670
2.95	10.67837	10.68596	10.69355	10.70115	10.70874	10.71634	10.72394	10.73155	10.73915	10.746
2.96	10.75438	10.76199	10.76961	10.77723	10.78485	10.79247	10.80010	10.80773	10.81536	10.8230
2.97	10.83064	10.83828	10.84592	10.85356	10.86121	10.86886	10.87651	10.88417	10.89183	10.976
2.98	10.90715	10.91482	10.92249	10.93016	10.93783	10.94551	10.95519	10.96087	1096855	
2.99	10.98393	10.99162	10.99932	11.00701	11.01471	11.02241	11.03012	11.03783	11.04554	11.053
3.00	11.06096	11.06868	11.07640	11.08413	11.09185	11.09958	11.10731 11.18476	11.11504 11.19252	11.12278	11.130
3.01	11.13826	11.14600	11.15375	11.16150	11.16925	11.17700	11.26247	11.27025	11.27804	11.285
3.02	11.21581	11.22358	11.23135	11.23913	11.24690		11.34043	11.34824	11.35605	11.363
3.03	11.29362	11.30142	11.50921	11.31701	11.32482	11.33262	11.41865	11.42649	11.43433	11.442
3.04	11.37169	11.37951	11.38733	11.39516 11.47356	11.40299	11.41002	11.49714	11.50500	11.51286	11.520
3.05	11.45002	11.45786	11.46571	11.47320	11.48142	11.40920	11.57588	11.58377	11.59166	11.599
3.06	11.52860	11.53647	11.54435	11.55223	11.56011	11.56799	11.65488	11.66279	11.67071	11.678
3.07	11.60745	11.61534	11.62325	11.63115	11.63906	11.04090		11.74207	11.75002	11.757
3.08	11.68655	11.69447	11.70240	11.71033	11.71826	11.72620	11.73413	11.82161	11.82958	11.837
3.09	11.76591	11.77386	11.78181	11.78977	11.79772	11.80569	11.81565	1 77.05101	1 22.027	100,000

1-1477

TABLE VII. - RATIO OF IMPACT PRESSURE TO STATIC PRESSURE $q_{\rm c}/p$ FOR VALUES OF MACE NUMBER - Continued. [These values are from ref. 3]

Mach number,		1	2	3		5	6	7	8	9
M		_		_		-				
		0	06.1.0		2		an Corko	11 00111	11.90941	11.91740
3.10	11.84555		11.86148	11.86946	11.87745	11.88543	11.89342	11.90141	11.90941	
3.11	11.92540		11.94141	11.94942	11.95745	11.96544	11.97545	11.98147	11.98949	11.99751
3.12	12.00554	12.01357	12.02160	12.02965	12.03767	12.04570	12.05574	12.06179	12.06983	12.07788
3.13	12.08595	12.09399	12.10204	12.11010	12.11816	12.12623	12.15429	12.14256	12.15045	12.15851
3.14	12.16659	12.17466	12.18275	12.19083	12.19892	12.20701	12.21510	12.22320	12.23129	12.23939
3.15	12.24750	12.25560	12.26371	12.27182	12.27993	12.28805	12.29617	12.30429	12.31241	12.32054
3.16	12.32866	12.33679	12.54495 12.42641	12.55507 12.43457	12.36120	12.36934	12.37749	12.38564	12.39378	12.40194
3.17	12.41009	12.41825	12.42641	12.43457	12.44273	12.45090	12.45907	12.46724	12.47542	12.48360
3.18	12.49176	12.49996	12.50814	12.51655	12.52452	12.53272	12.54091	12.54911	12.55731	12.56551
3.19	12.57372	12.58193	12.59014	12.59835	12.60657	12.53272	12.62301	12.63123	12.63946	12.64769
, , ,							_			
3.20	12.65592	12.66415	12.67239	12.68063	12.68887	12.69712	12.70537	12.71362	12.72187	12.73012
3.21	12.75858	12.74664	12.75490	12.76317	12.77144	12.77971	12.78798	12.79626	12.80453	12.81281
3.22	12.82110	12.82938	12.83767	12.84596	12.85426	12.86255	12.87085	12.87915	12.88746	12.89577
3.23	12.90407	12.91239	12.92070	12.92902	12.93734	12.94566	12.95398	12.96231	12.97064	12.97897
3.24			13.00399	13.01233	13.02067	13.02902	13.03737	13.04573	13.05408	13.06244
	12.98731	12 (20)		13.09590	13.10427	13.11264	15.12102	15.12940	13.13778	15.14617
3.25	13.07080		13.08753			15.19652	15.20495	13.21333	13.22174	15.23015
3.26	13.15455	13.16294	15.17155	13.17973	15.18812			15.29752	13.30595	15.31439
3.27	13.23856	13.24698	15.25559	13.26581	13.27224	13.28066	13.28909		13.39043	13.39889
3.28	15.32283	13.33127	13.33971	13.34816	13.35661	13.36506	13.37351	13.38197	12.39045	
3.29	13.40735	13.41582	13.42429	13.43276	13.44124	15.44971	15.45819	13.46667	13.47516	13.48365
						1 C-	,, ,,	17 5016	17 56015	12 54044
3.30	15.49215	13.50063	13.50912	13.51762	15.52612	13.55462	13.54313	13.55164	13.56015	13.56866
3.31	13.57718 13.66248	13.58570	13.59422	13.60274	13.61127	13.61980	13.62833	13.63686	13.64540	13.65594
3.32		13.67102	13.67957	15.68812	13.69667	13.70522	13.71578	13.72254 15.30308	15.73090	13.73947
3.33	13.74803	13.75661	13.76518	13.77375 13.85965	13.78233	13.79091	15.79949 15.88546	15.30308	13.81667	13.82526
3.34	13.83385	13.84245	13.85105	13.85965	13.86825	13.87686	15.88546	13.89408	13.90269	13.91131
3.35	15.91992	13.92855	13.93717	15.94580	13.95443	13.96506	13.97169	13.98033	13.98897	13.99761
3.36	14.00626	14.01490	14.02355	14.03221	14.04086	14.04952	14.05818	14.06684	14.07551	14.08418
3.37	14.09285	14.10152	14.11020	14.11887	14.12755	14.13624	14.14492	14.15361	14.16230	14.17100
3.38	14.17969	14.18839	14.19710	14.20580	14.21451	14.22322	14.23193	14.24064	14.24936	14.25808
3.39	14.26680	14.27555	14.28425	14.29298	14.30172	14.31045	14.31919	14.32793	14.33667	14.34542
7.79	14.2000	14.2()))	14.2042)	14.27270	14.701/1	14.710.7			24.7,000	-11,71,712
* 100	14.35417	14.36292	14.37167	14.58043	14.38918	14.39794	14.40671	14.41547	24.42424	14.43301
3.40	14.44179	14.45056	14.45954	14.46812	14.47691	14.48570	14.49449	14.50328	14.51207	14.52087
3.41		14.47070	14.54728	14.55608	14.56489	14.57371	14.58252	14.59134	14.60016	14.60898
3.42	14.52967 14.61781	14.53847 14.62663	14.74 20	14.64430	14.65313	14.66197	14.67081	14.67966	14.68850	14.69735
3.43 3.44	14.01/01	14.02005	14.63547				14.07001			14.78598
2.44	14.70620	14.71506	14.72391	14.73277	14.74163	14.75050	14.75957 14.84817	14.76823	14.77711	14. (0790
3.45	14.79486	14.80374	14.81262	14.82150	14.85059	14.83928		14.85707	14.86597	14.87487
3.46	14.88377	14.89268	14.90158	14.91049	14.91941	14.92832	14.93724	14.94616	14.95509	14.96401
3.47	14.97294	14.98187	14.99081	14.99974	15.00868	15.01762	15.02657	15.03551	15.04446	15.05342
5.48	15.06237	15.07133	15.08029	15.08925	15.09821	15.10718	15.11615	15.12512	15.13410	15.14508
3.49	15.15206	15.16104	15.17002	15.17901	15.18800	15.19700	15.20599	15.21499	15.22399	15.23299
									l	
3.50	15.24200	15.25101	15.26002	15.26905	15.27805	15.28707	15.29609	15.30512	15.31+14	15.32317
3.51	15.33220	15.34124	15.35027	15.35931	15.36836	15.37740	15.38645	15.39550 15.48614	15.40-55	15.41361
3.52	15.42266	15.43172	15.44079	15.44985	15.45892	15.46799	15.47706	15.48614	15.49522	14.50430
3,53	15.51338	15,52247	15.53156 15.62259	15.54065 15.63170	15.54974	15.5588	15.56794	15.57704 15.66820	15.58614	15.59525
3.53 3.54	15.51338 15.60436	15.61347	15.62259	15.63170	15.64082	15.64994	15.65907	15.66820	15.67733 15.76877	15.68646
3.55	15.69559	15.70473	15.71387	15.72301	15.73216 15.82376 15.91561	15.74131	15.75046 15.84211	15.75961	15.76877	15.77793
3.56	15.78709	15,70625	15.71387 15.80542	15.72301 15.81458	15,82376	15.83203	15.84211	15.75961 15.85128	15.86047	15.86965
?# I	15.87884	15.79625 15.88805	15.89722	15.90641	15.91561	15.92481	15.95401	15.94322		15.96163
3.57 3.58	15.97085	15.98006	15.98928	15.99850	16.00772	15.92481 16.01695	16.02617	16.05540	15.95242 16.04464	16.05387
3.59	16.06311	16.07235	16.08160	16.0906	16.10009	16.1095	16.11860	16.12785	16.13711	16.14637
7.77	المدونية	ررع الانت	٠٠٠. حصور							
3.60	16.1556	16.16490	16.17417	16.18544	16.19272	16.20200	16.21127	16.22056	16.22984	16.25913
	16.24842		16.26701	16.27630	16.28560	16.29491	16.30421	16.51552	16.32283	16.33214
3.61		16.25771	16.36010	16.36942	16.37875	16.38808	16.39741	16.40674	16.41608	16.42542
3.62	16.34146	16.35078		16.46280	16.47215	16.48150	16.49086	16.50022		
3.63	16.43476	16.44410	16.45345		16 =6=0			16 5050	16.50958	16.51895
3.64	16.52831	16.53768 16.63152	16.54706	16.55645	16.56581	16.57519	16.58457	16.59396 16.68795	16.60334	16.61273
7.94	16.62213	10.63152	16.64092	16.65032	16.65973	16.66913	16.6785	10.00795	16.69736	16.70678
3.65				76 76667	I In 75590	16.76333	1 10.77277	16.78220	16.79164	16.80108
3.65 3.66	16.71620	16.72502	10.75704	16.74447					-0.17-0-	10.000
3.65 3.66 3.67	16.71620 16.81053	16.81998	16.62945	16,83888	16.75590 16.84855	16.85779	16.77277 16.86725	16.87671	16.88618	16.89565
3.65 3.66	16.71620 16.81055 16.90512	16.72562 16.81998 16.91459	16.73504 16.82943 16.92407	16.83888 16.93354	16.94302	16.85779 16.95251	16.96199	16.87671 16.97 <u>-</u> 48	16.88618 16.98097	16.89565 16.99047
3.65 3.66 3.67	16.81053	16.72562 16.81998 16.91459 17.00946	16.82943 16.92407 17.01896	16.83888 16.93354 17.02847		16.85779	16.86725 16.96199 17.05699	16.87671	16.88618	16.89565

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Mach number, M	0	1	2	3	4	5	6	7	8	9
3.70	17.09507	17.10459	17.11412	17.12365	17.13318	17.14271	17.15225	17.16179	17.17133	17.18088
3.71	17.19043	17.19998	17.20953	17.21909	17.22864	17.23821	17.24777	17.25733	17.26690	
3.72	17.28605	17.29562	17.30520	17.31478	17.32437	17.33395	17.34354	17.35313	17.36273	17.37233
3.73 3.74	17.38192	17.39153	17.40113	17.41074	17.42035	17.42996	17.43957	17.35313 17.44919	17.45881	17.46843
	17.47806	17.48769	17.49732	17.50695	17.51659	17.52622	17.55586	17.54551 17.64208	17.55515 17.65175	17.56480
3.75	17.57445	17.58411	17.59376	17.60342	17.61308	17.62275	17.63241	17.64208	17.65175	17.66143
3.76	17.67110	17.68078	17.69046	17.70015	17.70984	17.71953	17.72922	17.73891	17.74861	17.75831
3.77	17.76801	17.77772	17.78743	17.79714	17.80685	17.81656	17.82628	17.83600	17.84573	17.85545
3.78 3.79	17.86518	17.87491	17.88464 17.98212	17.89438 17.99188	17.90412 18.00165	17.91386 18.01141	17.92360 18.02118	17.93335 18.05095	17.94310 18.04073	17.95285 18.05051
i		1			30 moi 3	10 10000	10 11000	18.12682	18.13862	18.14842
3.80	18.06029	18.07007	18.07985	18.08964	18.09943	18.10922 18.20729	18.11902 18.21712	18.22694	18.23676	18.24659
3.81 3.82	18.15823 18.25642	18.26626	18.17784 18.27610	18.28593	18.29578	18.30562	18.31547	18.32532	18.33517	18.34502
3.83	18.35488	18.36474	18.37460	18.38447	18.39434	18.40421	18.41408	18.42395	18.43383	18.44371
3.84	18.45360	18.46348	18.47337	18.48326	18.49315	18.50305	18.51295	18.52285	18.53275	18.54266
3.85	18.55257	18.56248	18.57239	18.58231	18.59223	18.60215	18.61207	18.62200	18.63193	18.64186
3.86	18.65180	18.66173	18.67167	18.68161	18.69156	18.70151	18.71146	18.72141	18.75136	18.74152
3.87	18.75128	18.76125	18.77121	18.78118	18.79115	18.80112	18.81110	18.82108	18.83106	18.84104
3.88	18.85103	18.86102	18.87101	18.78118 18.88100	18.89100	18.90100	18.91100	18.92100	18.93101	18.94102
3.89	18.95103	18.96105	18.97106	18.98108	18.99111	19.00113	19.01116	19.02119	19.03122	19.04125
3.90	19.05129	19.06133	19.07137	19.08142	19.09147	19.10152	19.11157	19.12163	19.13169	
3.91	19.15181	19.16188	19.17195	19.18202	19.19209	19.20217	19.21225	19.22233	19.23241	19.24250
3.92	19.25259	19.26268	19.27277	19.28287	19.29297	19.30307	19.31318	19.32528	19.53559	19.34351
3.93	19.35362	19.36374	19.37386	19.38398	19.39411	19.40424	19.41437	19.42450	19.43463	19.44477
3.94	19.45491	19.46506	19.47520	19.48555	19.49550	19.50566	19.51581	19.52597	19.53613	19.54630
3.95	19.55646	19.56663	19.57680	19.58698 19.68886	19.59716	19.60733	19.61752	19.62770	19.63789	19.64808
3.96	19.65827	19.66847	19.67866		19.80124	19.70927	19.71948	19.72969 19.83194	19.73990 19.84218	19.852 2
3.97 3.98	19.76034 19.86266	19.770 5 6 19.87291	19.78078 19.88316	19.79101 19.89541	19.90366	19.91392	19.92418	19.93444	19.94470	10.95497
3.99	19.96524	19.97551	19.98579	19.99607	20.00635	20.01663	20.02691	20.05720	20.04749	20.05779
4.00	20.06808	20.07838	20.08868	20.09898	20.10929	20.11960	20.12991	20.14022	20.15054	20.16086
4.01	20.17118	20.18150	20.19183	20.20216	20,21249	20.22282	20.23316	20.24350	20.25384	20.26419
4.02	20.27453	20.28488	20.29523	20.30559	20.31595	20.32631	20.33667	20.34703	20.35740	
4.03	20.37815	20.38852	20. 39890	20.40928	20.41966	20.43005	20.44044	20.45083	20.46122	20.47162
4.04	20.48201	20.49242	20.50282	20.51323	20.52364	20.55405	6 بابلاغ 20.	20.55488	20.56530	20.57572
4.05	20.58614	20.59657	20.60700	20.61743	20.62787	20.63830	20.64874	20.65919	20.66963	20.68008
4.06	20.69053	20.70098	20.71344	20.75189 20.82662	20.73236	20.74282	20.75328	20.76375	20.77422	20.78470
4.07	20.79517	20.80565	20.81615 20.92108	20.02002	20.83710 20.94211	20.84759 20.95262	20.85808 20.96314	20.86858 20.97366	20.87907 20.98418	20.88957 20.99470
4.09	20.90007	20.91058 21.01576	21.02629	21.05683	21.04737	21.05791	21.06845	21.07900	21.08954	21.10009
	_				01 15090	03 3671.5	21.17402	03.384.60	0) 10517	21.20575
4.10 4.11	21.11065	21.12121 21.22690	21.13176 21.23749	21.14232	21.15289 21.25867	21.16345 21.26926	21.27985	21.18459 21.29045	21.19517 21.30105	21.31165
4.12	21.32226	21.33286	21.34347	21.35409	21.36470	21.37532	21.38594	21.39656	21.40719	21.41782
4.13	21.42845	21.43908	21.44972	21.46035	21.47099	21.48164	21.49228	21.50293	21.51358	21.52424
4.14	21.53489	21.54555	21.55621	21.56688	21.57755	21.58822	21.59889	21.60956	21.62024	21.63092
4.15	21.64160	21.65228	21.66297	21.67366	21.68435	21.69505	21.70575	21.71645	21.72715	21.73786
4.16	21.74856	21.75927	21.76999	21.78070	21.79142	21.80214	21.81286	21.82359	21.83432	21.84505
4.17	21.85578	21.86652	21.87726	21.88800	21.89874	21.90949	21.92024	21.93099	21.94175	21.95250
4.18	21.96326	21.97402	21.98479	21.99556	22.00633	22.01710	22.02787	22.03865	22.04943	22.06021
4.19	22.07100	22.08179	22.09258	22.10557	22.11417	22.12496	22.13577	22.14657	22.15757	22.16818
4.20	22.17899	22.18981	22.20062	22.21144	22.22226	22.23309	22.24391	22.25474	22.26557	22.27641
4.21	22.28725	22.29808	22.30893	22.31977 22.42836	22.33062 22.43923	22.34147	22.35232 22.46099	22.36317	22.37403 22.48275	22.38489 22.49363
4.22	22.39576	22.40662	22.41749	22.42070	22 54810	22 55000	22.56991	22.47186 22.58081		22.60263
4.23	22.50452	22.51541 22.62446	22.52631 22.63538	22.53720 22.64631	22.54810 22.65723	22.55900 22.66816	22.67909	22.50001	22.59172 22.70095	22.71189
4.24	22.61555 22.72285	22.73377	22.74472	22.75567	22.76662	22.77757	22.78852	22.79948	22.81044	22.82141
4.26	22.83237	22.84334	22.85431	22.75567 22.86528	22.87626	22.77757 22.88724	22.89822	22.90921	22.92019	22.93118
4.27	22.94217	22.95317	22.96416	22.97516	22.98616	22.99717	23.00817	23.01918	23.03020	23.04121
4.28	23.05223	23.06325	23.07427	23.08529	23.09632	23.10735	23.11838	23.12942	25.14046	23.15150
4.29	23.16254	23.17359	23.18463	25.19569	25.20674	23.21779		23.23991	23.25098	23.26204
لـــــــــــا										

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TABLE VII. - RATIO OF IMPACT PRESSURE TO STATIC PRESSURE $q_{\rm c}/p$ FOR VALUES OF MACE NUMBER - Continued [These values are from ref. 5]

Mach				_	,	_	6	7	8	9
number, M	0	1	2	3	14	5	6	· ·	۰	9
4.50	23.27511	23.28418	23.29526	23.30633	23.31741	25.52849	23.33958	23.35067	23.36176	23.37285
4.51	23.38394	23.39504	25.40614	23.41724	23.42835	23.43945	23.45056	23.46168	23.47279	23.48391
	23.49503	23.50615	23.51728	23.52840	25.53954	23.55067	23.56181	23.57294	23.58408	23.59523
4.52				23.63983	23.65098	23.66214	23.67331	23.68557	23.69564	23.70680
4.33	23.60637	23.61752	23.62867					23.79625	23.80744	23.81864
	25.71798	25.72914	25.74033	23.75151	23.76269	23.77387	25.78506	27. 19027		23.93073
4.35	25.82984	23.84104	25.85224	23.86345	23.87465	23.88586	23.89708	25.90829	23.91951	
4.36	23.94196	23.95318	23.96hh1	23.97564	23.98687	23.99811	24.00955	24.02059	24.03184	24.04308
4.37	24.05455	24.06558	24.07684	24.08809	24.09935	24.11061	24.12188	24.13315	24.14442	24.15569
4.38	24.16696	24.17824	24.18952	24.20080	24.21209	24.22338	24.23467	24.24596	24.25726	24.26856
4.39	24.27985	24.29116	24.30246	24.31377	24.32508	24.33640	24.34771	24.35903	24.37035	24.38168
4.40	24.39300	24.40433	24.41566	24.42700	24.43834	24.44967	24.46102	24.47236	24.48371	24.49506
4.41	24.50641	24.51776	24.52912	24.54048	24.55185	24.56321	24.57458	24.58595	4.59732	24.60870
4.42	24.62008	24.63145	24.64284	24.65422	24.66561	24,67700	24.57458 24.68840	24.58595 24.69979	24.71119	24.72259
4.43	24.73400	24.74540	24.75681	24.76822	24.77964	24.79105	24.80247	24.81389	24.82552	24.83674
11.11	24.84818	24.85961	24.87104	24.88248	24.89592	24.90536	24.91681	24.92825	24.93970	24.95116
	24.96261	24.97407	24.98553	24.99699	25.00846	25.01993	25.03140	25.04287	25.05435	25.06583
4.45		24.9[40]				25.13475	25.14625	25.15775	25. 16925	25.18076
	25.07731	25.08879	25.10028	25.11177	25.12326			25.27288	25.28441	
4.47	25.19226	25.20377	25.21538	25.22680	25.23831	25.24983	25.26136			
4.48	25.30747	25.31901	25.33055	25.34208	25.35363	25.36517	25.37672	25. 38827	25.39982	25.41138
4.49	25.42294	25.43450	25.44607	25.45763	25.46920	25.48077	25.49234	25.50392	25.51550	25.52708
4.50	25.53866	25.55025	25.56184	25.57343	25.58503	25.59663	25.60823	25.61983	25.63143	25.65304
4.51	25.65465	24.66626	25.67788	25.68949	25.70111	25.71274	25.72436	25.73599	25.74762	25.75925
4.52	25.77089	25.78253	25.79417	25.80581	25.81746	25.82911	25.84076	25.85241	25.86407	25.87573
4.53	25.88739	25.89905	25.91072	25.92239	25.93406	25.94573	25.95741	25.96909	25.98077	25.99246
	26.00414	26.01583	26.02753	26.03922	26.05092	26.06262	26.07432	26.08603	26.09774	26.1094
1.54		26.01707	26.14459	26.15631	26.16804	26.17976	26.19149	26.20322	26.21496	26.22669
4.55	26.12116	26.13288								26.34420
4.56	26.23843	26.25017	26.26192	26.27366	26.28541	26.29716	26.30892	26.32068	26.33243	
4.57	26.35596	26.36773	26.37950	26.39127	26.40304	26.41482	26.42660	26.43838	26.45017	26.46196
4.58	26.47375	26.48554	26.49733	26.50913	26.52094	26.53274	26.54454	26.55635	26.56816	26.57998
4.59	26.59179	26.60361	26.61543	26.62726	26.63908	26.65091	26.66274	26.67458	26.68641	26.69825
4.60	26.71010	26.72194	26.73379 26.85240	26.74564	26.75749	26.76934	26.78120	26.79306	26.80492	26.81679
4.61	26.82865	26.84055	26.85240	26.86427	26.87615	26.88803	26.89991	26.91180	26.92369	26.93558
4.62	26.94747	26.95937	26.97127	26.98317	26.99507	27.00698	27.01889	27.03080	27.04271	27.05463
4.63	27.06655	27.07847	27.09039	27.10232	27.11425	27.12618	27.13812	27.15005	27.16199	27.17394
4.64	27.18588	27.19783	27.20978	27.22173	27.23369	27.24565	27.25761	27.26957	27.28153	27.29350
4.65	27.30547	27.5174	27.52942	27.54140	27.35338	27.36536	27.37735	27.38934	27.40133	27.41332
	21.707-1	51.7714	27.44952	27.46133	27 1777	27.48534	27.49735	27.50937	27.52139	27.53541
4.66	27.45532	27.43732	27.44952		27.47555	07 60559		27.50951		
4.67	27.54543	27.55745 27.67784	27.56948	27.58151	27.5935	27.60558	27.61761	27.62966	27.64170	27.65374
4.68	1 27 . 66579	27.6778	27.68990	27.70195	27.71401	27.72607	27.73813 47.85891	27.75020 27.87100	27.76227	27.77434
4.69	27.78641	27.79849	27.81057	27.82265	27.85475	27.84682	47.85891	27.87100	27.88310	27.89519
4.70	27.90729	27.91939	27.93150	27.94361	27.95572	27.96783	27.97994	27.99296	28.00418	28.01630
4.71	28.02843	28.04056	28.05269	28.06482	28.07695	28.08909	26.10124	28.11338	28.12552	28.13767
4.72	28.14982	28.16198	28.17413	28.18629	28.19845	28.21062	28.22278	28.23495	28.24713	28.25950
4.73	28.27148	28.28366	28.2958	28.30802	28.32021	28.33240	28. 344.59	28, 35679	28.36898	28.38118
1.74	28.39339	28.40559	28.41780	28.43001	28.44222	28.45444	28.46666	28.35679 28.47888	28.49110	28.50332
	28.51555	28.52778	28.54002	28.55225	28.56449	28.57675	28.58898	28.60122	28.61347	28.62572
1.72			20.74002	28 671.76	28.68702	28.69929	28.71156	28.72383	28.73610	28.7483
4.76	28.63798	28.65025	28.66249	28.67476			20. 11170		20. ()010	
4.77	28.76066	28.77294	28.78525	28.79752	28.80981	28.82210	28.83439	28.84669	28.85899	28.8713
4.78	28.88360	28.89791	28.90822	28.92054	28.93285	28.94517	28.95749	28,96981	28.98214	28.9944
4.79	29.00680	29.01915	29.05147	29.04381	29.05615	29.06849	29.08084	29.09319	29.10554	29.1179
4.80	29.13025	29.14261	29.15498	29.16734	29.17971	29.19208	29.2045	29.21693	29.22920	29.2415
4.81	29.25397	29.26635	29.27874	29.29113	29.30353	29.31592	29. 32832	29.34072	29.35313	29.3655
4.82	29.3779	29.39035	29.40276	29.41518	29.42760	29.44002	29.45245	29.46487	29.47730	29.4897
7.0E	SY-2117				29.55195	29.56458	29.57683	29.58928	29.60174	29.6141
4.85 4.84	29.50217	29.51461	29.52704	29.55949	20 62622	20 69900				29.0141
	29.62665	29.63912 29.76389 29.88891	29.65158	29.66405	29.67652	29.68899	29.70147	29.71395	29.72643	29.7389
	29.75140	29.76569	29.77638	29.78887	29.80137	29.81387	29.82637	29.83887	29.85138	29.8638
4.85		1 20 88801	29.90143	29.91395	29.92647	29.93900	29.95152	29.96405	29.97659	29.9891
4.86	29.87640	27.00071		6フ・フェノフノ	-2.3-4	_,,,,,,				
4.86 4.87	30.00166	30.01420	30.02674	30.03929	30.05184	30.06439	30.07694	30.08949	30.10205	30.1146
4.86		30.01420 30.13974		30.03929 30.16488	30.05184 30.17746 30.30533	30.06439 30.19003 30.31593				

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TABLE VII. - RATIO OF IMPACT PRESSURE TO STATIC PRESSURE qc/p FOR VALUES OF MACH NUMBER - Concluded

These values are from ref. 3

r.		8	ĸ	_					
			`	#	7.	9	_	80	6
		30.40422	30.41684	30.42947	30.44210	30.45473	30.46736	30.47999	30.49263
		30.53056	30.54321	30.55586	30.56851	30.58117	30.59383	30.60649	30.61915
-	_	30.65716	30.66984	30.68251	30.69519	30.70787	30.72056	30.73324	30.74593
3 30.75863	63 30.77132	30.78402	30.79672	30.80942	30.82212	30.83483	えんあ。20.84	30.86025	30.87297
4.94 30.885		30.91113	30.92386	30.93659	30.94932	30.96205	30.97478	30.98752	31.00027
	_	31.03850	31.05126	31.06401	31.07677	31.08952	31.10229	31.11505	31.12782
	_	31.16613	31.17891	31.19169	31.20447	31.21726	31.23004	31.24284	31.25563
		31.29402	31.30682	31.31963	31.33244	31.34525	31.35806	31.37088	31, 38369
	51 31.40934	31.42217	31.43499	31.44782	31.46066	31.47349	31.48633	31.49917	31.51202
		31.55057	31.56342	31.57628	31.58914	31.60200	31.61486	31.62773	31.64060
5.00 31.65347	1,7								

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TABLE VIII	0		\$38.59.855 54.55.54.55.55.55 \$35.54.95.55 34.58.55.55.55 \$35.54.95.55 \$35.54.95.55 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35.54.95 \$35	23.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58 26.58
	Temp', t, or		68838836 03883886888338	६६४३४४४ ५५ - 58838888888

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TABLE IX. - SPEED OF SOUND & FOR VALUES OF FREE-AIR TEMPERATURE t IN DEGREES CENTIGRADE

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. 6		656.233 671.379 686.191 700.690 714.895 728.823 753.245 775.245 775.245 775.245 775.245 775.245 775.245 775.245 775.245		570.250 583.412 596.283 608.883 621.227 633.330 654.552 666.050 677.353 688.470
80		657.763 672.875 687.654 702.123 716.300 751.909 751.64 775.164 775.164 775.164		571.580 594.712 610.128 622.417 64.527 651.391 664.999 667.866 698.824
7		659.88 64.86 64.87 64.87 77.77 77.77 77.77 77.78 77.78 77.78 77.88 77.88 77.88 77.88 77.88		52.28 65.123 65.123 65.123 65.123 65.123 67.236 69.236
9		660.813 675.856 675.856 675.856 749.230 749.230 749.230 749.230 749.230 749.230 749.230 749.230 749.230 749.230 749.230		574.23 600.091 612.612 624.882 636.916 675.98 673.982 693.154 695.154
2	sound, mph	662.333 671.342 692.027 705.406 720.498 747.887 761.212 774.307 787.185	sound, knots	55.95 68.55 68.55 68.55 68.55 68.55 68.10 68.10 68.10 68.10 68.10 68.10 68.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 69.10 60 60 60 60 60 60 60 60 60 60 60 60 60
4	Speed of son	663.849 678.825 678.825 707.828 721.893 721.893 775.688 775.989 775.008 775.008	Speed of som	56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50 56.50
3	J	65.362 680.393 694.921 723.284 737.054 745.193 745.193 745.193 745.193 747.766	.	578.183 603.875 616.319 628.516 640.482 647.555 659.175 677.594 681.821
2		666.87 681.78 695.772 710.663 724.673 738.416 743.843 777.239 777.239 777.239 777.239 777.239 777.239 777.239		573.55 605.134 607.134 617.549 629.723 641.666 641.666 659.651 669.651 690.707
1		68.37 69.37 72.69 72.69 73.69 73.79 73.79 73.79 74.79 75.79 75.79 75.79 75.79 75.79 75.79 75.79 75.79 75.79 75.79 75.79 75.79		580.804 605.342 605.342 605.348 642.848 642.848 645.26 645.26 673.33 673.33 673.33 673.33
0		654-699 669-880 689-724 713-693 721-142 74-133 74-133 74-133 761-787 761-787 761-787 761-787 761-787 761-787 761-787		568.917 595.009 607.635 620.003 672.130 644.028 667.139 667.139 669.572
Temp., t, oc		85885 668858		268860 6688688

TABLE X. - TEMPERATURE t IN DEGREES FARRENCE IT AND CENTIGRADE AND SPEED OF SOUND & IN MILES PER HOUR

AND KNOTS FOR VALUES OF PRESSURE ALTITUDE H IN GEOFOTENTIAL FEET

Pressure altitude, H, geopo- tential ft	Temp.,	Temp.,	Speed of sound, a, mph	Speed of sound, a, knots		Pressure altitude, H, geopo- tential ft	Temp.,	Temp., t, ^O C	Speed of sound, a, mph	Speed of sound, a, knots
								<u> </u>		101000
0 1	+59.000	+15.000	761.212	661.475		28,∞0	-40.852	-40.473	684.029	594.405
500	+57.217	+14.009	759.902	660.337	1	28,500	-42.636	-41.464	682.570	593.137
1,000	+55.434	+13.019	758.590	659.197	1	29,000	-44.419	-42.455	681.110	591.868
1,500	+53.651	+12.028	757.276	658.055		29,500	-46.202	-43.446	679.646	590.596
2,000	+51.868	+11.038	755.960	656.911	:	30,000	-47.985	-44.436	678.179	589.321
2,500	+50.085	+10.047	754.642	655.766		30,500	-49.768	-45.427	676.709	588.044
3,000	+48.302	+9.057	755.321	654.618	i	31,000	-51.551	-46.417	675.236	586.764
3,500	+46.518	+8.066	751.997	653.467		31,500	-53.334	-47.408	673.759	585.481
4,000 4,500	+44.735	+7.075	750.671	652.315		32,000	-55.117	-48.398	672.279	584.195
5,000	+42.952	+6.084	749.343 748.013	651.161	l i	32,500	-56.900	-49.389	670.796	582.906
	+39.586	+4.103	746.680	648.848		33,000	-58.683 -60.466	-50.379	669.310	581.614
	+37.605	+5.113	745.345	647.687		33,500 34,000	-62.249	-51.370 -52.361	666.327	580.320 579.022
	+35.820	+2.122	744.008	646.525		34,500	-64.033	-53.352	664.830	577.721
	+34.037	+1.132	742.668	645.351		35,000	-65.816	-54.342	663.330	576.418
	+32.254	+.141	741.326	644.195		35,500	-67.599	-55.333	661.827	575.112
8,000	+32.471	849	739.981	643.026		36,000	-69.382	-56.323	660.321	573.803
	+28.688	-1.840	738.634	641.856		36,500	0,1,000	,,,,,,,	1000),,,,,,,,
	+26.905	-2.831	737.285	640.683		thru	-69.700	-56.500	660.052	573.569
9,500	+25.121	-3.822	735.932	639.507		82,000				
10,000	+23.338	-4.812	754.577	638.330		82,500	-68.912	-56.062	660.718	574.148
10,500	+21.555	-5.803	733.220	637.151		83,000	-68.089	-55.605	661.414	574.753
	+19.772	-6.793	731.861	635.970		83,500	-67.266	-55.148	662.108	575.356
	+17.989	-7.784	730.499	634.786		84,000	-66.443	-54.691	662.802	575 - 959
	+16.206	-8.774	729.134	633.600		84,500	-65.620	-54.233	663.495	576.562
12,500	+14.425	-9.765	727.767	632.412		85,000	-64.797	l -53.776	664.188	577.163
13,000	+12.640	-10.756	726.397	631.222		85,500	-63.974		664.880	577.765
	+10.857	-11.746	725.025	630.029		86,000	-63.151	-52.862	665.571	578.365
14,000 14,500	+7.291	-12.737 -13.727	725.650	628.835 627.637		86,500 87,000	-62.328	-52.404	666.261	578.965
15,000	+5.508	-14.718	722.272	626.438		87,500	-61.505 -60.682	-51.947 -51.490	666.951	579.564 580.163
15,500	+3.725	-16.264	719.509	625.236		88,000	-59.859	-51.033	668.328	580.761
16,000	+1.941	-16.699	718.125	624.032		88,500	-59.036	-50.576	669.015	581.358
16,500	+.158	-17.690	716.735	622.825		89,000	-58.213	-50.118	669.702	581.955
17,000	-1.625	-18.681	725.344	621.617		89,500	-57.390	-49.661	670.388	582.551
17,500	-3.408	-19.671	713.950	620.406		90,000	-56.567	-59.204	671.073	583.147
18,000	-5.191	-20.662	712.554	619.192		90,500	-55.744	-48.747	671.758	583.742
18,500	-6.974	-21.652	711.155	617.977		91,000	-54.921	-48.289	672.442	584.336
19,000	-8.757	-22.643	709.753	616.759		91,500	-54.098	-47.832	675.125	584.930
	-10.540	-23.633	708.349	615.558		92,000	-55.275	-47.375	673.808	585.523
	-12.325	-24.624	706.941	614.515		92,500	-52.452	-46.918	674.490	586.116
	-14.106 -15.889	-25.614 -26.605	705.531 704.118	613.090		93,000	-51.629	-46.461	675.171	586.708
	-17.672			611.862 610.631		93,500 94,000	-50.806	-46.003	675.852	587.299
	-19.456	-27.596 -28.587	702.702	609.398		94,500	-49.984 -49.161	-45.547	676.531	587.889
	-21.239	-29.577	699.861	608.163		95,000	-48.338	-45.089 -44.632	677.210	588.479
	-23.022	-50.568	698.437	606.925		95,500	-47.515	-44.175	677.888 678.566	589.069 589.658
	-24.805	-31.558	697.009	605.684		96,000	-46.692	-45.718	679.243	590.246
	-26.588	-32.549	695.579	604.441		96,500	-45.869	-43.261	679.920	590.834
	-28.571	-35.539	694.146	603.196		97,000	-45.046	-42.803	680.595	591.421
	-30.154	-34.530	692.709	601.948		97,500	-44.223	-42.346	681.270	592.008
	-32.937	-35.521	691.270	600.697		98,000	-43.400	-41.889	681.945	592.594
26,000	-55.720	-36.511	689.828	599.444		98,500	-42.577	-41.452	682.619	593.179
26,500	-35.503	-37.502	688.383	598.188		99,000	-41.754	-40.974	683.292	593.764
	- 57.286	-58.492	686.954	596.930		99,500	-40.931	-40.517	683.964	594.349
27,500	-39.069	-39.485	685.485	595.668		100,000	-40.108	-40.060	684.636	594.932

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TABLE XI. - TRUE AIRSPEED V IN KNOTS FOR VALUES OF CALIBRATED AIRSPEED VG IN KNOTS

AND VALUES OF PRESSURE ALTITUDE H IN GEOPOTENTIAL FEET

Computation of V based on standard temperature at each altitude

	0				
1,000	1000.0 1063.7 1135.7 1217.5 1310.8	1417 1540. 1682. 1878.			
006	900.0 955.2 1017.8 1088.9 1170.0	1265.1 1370.3 1494.4 1666.2 1869.3	2099.4		
800	800.0 847.3 900.5 960.9 1029.8	1109.1 1200.6 1306.6 1454.1 1628.9	1827.2 2051.7 2305.7		
700	700.0 740.3 785.0 835.2 892.4	958.0 1033.8 1121.9 1245.3 1392.1	1558.6 1747.4 1961.4 2203.6 2477.6		
89	600.0 635.8 674.5 716.3	816.2 877.5 948.7 1049.3 1169.2	1305.6 1460.4 1636.2 1835.4 2060.9	2516.3 2604.9	
8	500.0 572.2 566.8 603.8 643.4	686.6 735.4 791.5 871.5 967.0	1075.6 1199.2 1339.6 1499.0 1679.9	1885.0 2117.1 2395.6 2715.0	
00 1	4.00.0 4.57.2 4.89.4 5.754	762.0 602.6 646.9 782.4	865.7 960.3 1068.0 1190.5 1329.8	1488.0 1667.3 1881.6 2129.4 2405.8	2713.1
92.	300.0 321.6 345.4 371.5	431.5 465.9 503.6 553.7 610.0	671. 4 740.2 817.9 906.0 1006.2	1120.2 1249.9 1405.3 1585.8 1787.3	2011.6
88	200.0 215.0 231.6 250.0	293.4 318.9 347.4 385.6	4.76. 4 527. 3 581.8 640.4 705.4	778.5 861.2 960.9 1076.9 1206.8	1351.9
300	100.0	148.7 162.4 178.0 199.1	251.0 281.3 314.9 351.8	136.7 136.7 539.0 599.2 663.6	753.8
	5,000 15,000 15,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	55,000 65,000 75,000 70,000	£88,88 86,886 96,888 98,888	100,000

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