

TECHNICAL NOTE

D-1347

CALCULATION OF THE ECLIPSE FACTOR FOR ELLIPTICAL SATELLITE ORBITS

Fred G. Cunningham

Goddard Space Flight Center
Greenbelt, Maryland

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WASHINGTON

June 1962

1R
G-247

CALCULATION OF THE ECLIPSE FACTOR FOR ELLIPTICAL SATELLITE ORBITS

by

Fred G. Cunningham

Goddard Space Flight Center

SUMMARY

Equations are derived for determining the fraction μ of an orbital period a satellite spends in the shadow of the earth. The equations are applicable to elliptical orbits where the parameters to be specified are the angle δ between the orbital plane and the solar vector; and the angle β between the line of apsides of the orbit and the projection of the solar vector onto the orbital plane. The equations for μ_0 ($\delta = 0$) and μ ($\delta \neq 0$) are identical in form, both arising from the solution of the same differential equation; however, the limits of integration which must be substituted into the equation are functions of the orbital parameters and δ and β . For μ_0 , these limits are obtainable from the solution of a quadratic equation; this solution is given in terms of the orbital parameters and δ and β . For μ the limits of integration are given by a transcendental equation (also a function of the orbital parameters and δ and β) which can be solved graphically or numerically. In addition, extensive tables are given which present the calculated values of μ for various values of the orbital parameters and δ and β .

CONTENTS

Summary	i
INTRODUCTION	1
ANALYTICAL TREATMENT	2
CONCLUSION	9
ACKNOWLEDGMENT	9
APPENDIX A - TABULATION OF THE ECLIPSE FACTOR FOR VARIOUS SATELLITE ORBITS	10

CALCULATION OF THE ECLIPSE FACTOR FOR ELLIPTICAL SATELLITE ORBITS

by

Fred G. Cunningham

Goddard Space Flight Center

INTRODUCTION

In order to perform a thermal analysis of a satellite it is necessary to consider the direct solar radiation input—one of the primary sources of energy. To accomplish this the time per orbital period that the satellite spends in the shadow of the earth must be determined. In a recent paper, Peckham* presented a rather exhaustive treatment of this problem and stated that "The general problem is to calculate the fraction of an orbital period that a satellite spends within the earth's shadow and to determine the variation of this fraction during a given year." This is a rather comprehensive undertaking, and the resulting equations are rather cumbersome and require lengthy *machinations* before yielding a solution. The usefulness of such a study cannot be denied. However, there are times in a satellite's life when it would be useful to know the shadow time for the instantaneous orbit for which the orbital parameters, orientation of the line of apsides, and orbital inclination to the solar vector are sufficiently known. Such a time could occur, for example, in the initial stages of a satellite's life, and also in preliminary design stages where the desired orbit is predicted and these parameters are given.

Consequently, a method for determining this *eclipse factor*† has been developed which will allow for reasonably speedy calculation so long as suitable parameters are supplied for the instantaneous orbit. One simplifying assumption made is that the umbra of the earth's shadow can be approximated to a sufficient degree of accuracy by a right circular cylinder. Such an assumption is valid because the umbra—being approximately 106 earth diameters long—changes very little in width in the vicinity of the earth. No attempt is made to consider the penumbra region of the earth's shadow.

*Peckham, George W., "The Orbital Shadowtime of an Earth Satellite," Master's thesis of the Institute of Technology, Air University, Wright Patterson AFB, Ohio: Sept. 1960.

†The percentage of orbital period a satellite spends in the shadow of the earth.

ANALYTICAL TREATMENT

If we assume the earth to be perfectly spherical ($1/r$ potential) and neglect all perturbing effects, the orbit of a satellite is an ellipse with the center of the earth at a focus:

$$r = \frac{a(1 - e^2)}{1 + e \cos(\psi - \beta)}, \quad (1)$$

where r and ψ are the plane polar coordinates of the satellite orbit, a and e are the semi-major axis and the eccentricity of the ellipse respectively, and β is a constant representing some fixed direction from which ψ is measured (Figure 1). In the following presentation all quantities of length involved are given in units of mean earth radii. It is convenient to choose β as the angle formed by the line of apsides of the orbit and the line formed by the projection of the solar vector onto the orbital plane. In this manner the orientation of the elliptical orbit is exactly defined by the specification of β and δ , where δ is the angle between the orbital plane and the solar vector. The positive direction of the angle ψ is determined by the manner in which we define β . The angle β is defined with respect to the line of apsides at the point of perigee in such a way that $0 \leq \beta \leq \pi$. We thereby have complete symmetry about the line of apsides. However, when $\delta = \pi/2$, the projection of the solar vector onto the plane of the orbit yields a point rather than a line, which leaves β undefined. For present purposes it suffices to mention that this is in no way harmful, as will be made clear. We will consider, at present, only an ecliptical orbit ($\delta = 0$). Figure 2 shows the geometry of the situation and defines all the needed quantities.

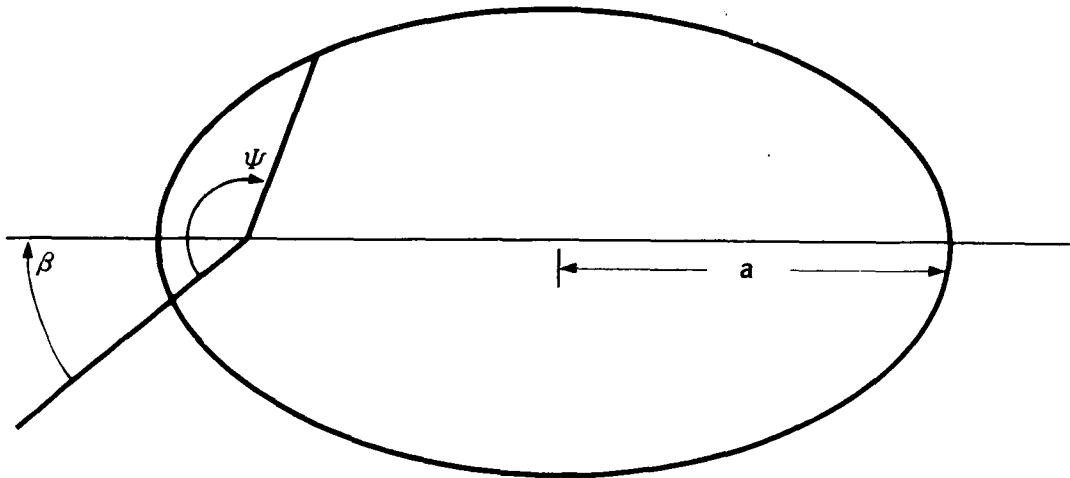


Figure 1 - Geometry of an ellipse in polar coordinates

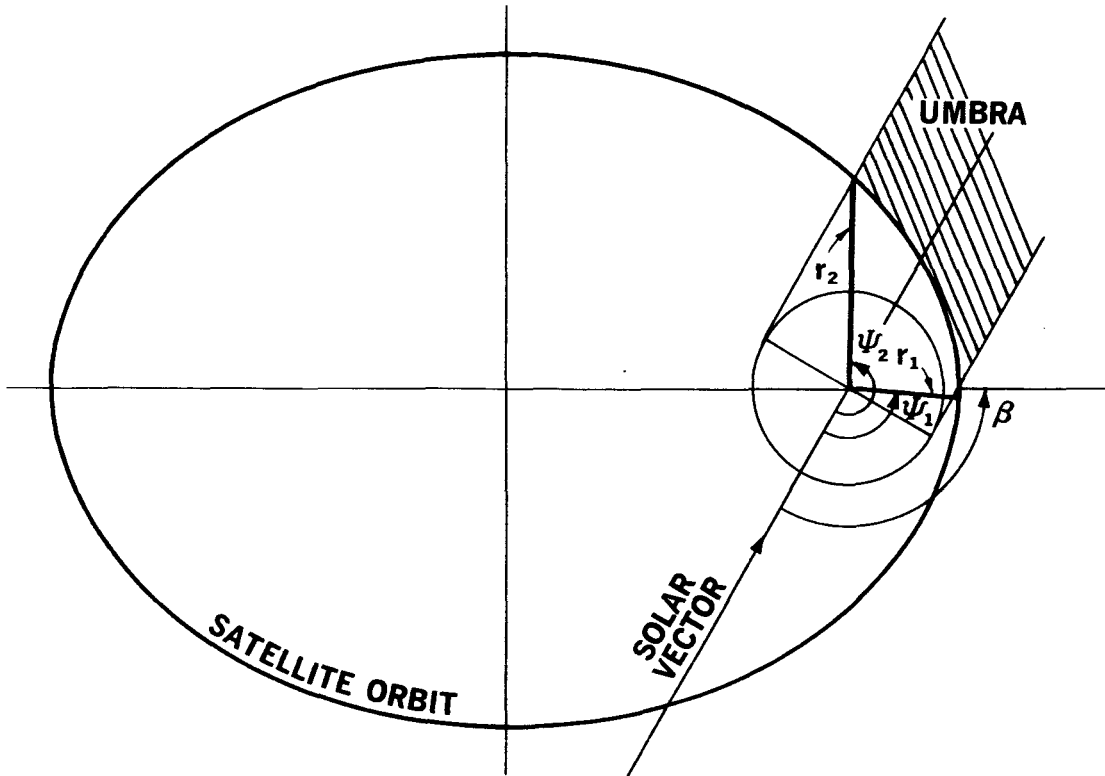


Figure 2 - Geometry of the orbital ellipse and shadow of the earth for $\delta = 0$

The eclipse factor μ_0 ($\delta = 0$) is given by

$$\mu_0 = \frac{t_2 - t_1}{\tau}, \quad (2)$$

where t_1 is the time when the satellite enters the shadow and t_2 is the time when it emerges, while τ is, of course, the orbital period. The problem then is to determine the difference $t_2 - t_1$. Using Kepler's second law which says that the rate of description of area by a satellite in an elliptical orbit is constant, we have*

$$\frac{dA}{dt} = \frac{r^2}{2} \frac{d\psi}{dt} = k. \quad (3)$$

*Smart, W. M., "Celestial Mechanics," London: Longmans, Green and Company, 1953

Since the area of the ellipse is πab , where b is the semi-minor axis,

$$b = a(1 - e^2)^{1/2},$$

the area can be written as

$$A = \pi a^2(1 - e^2)^{1/2}. \quad (4)$$

Now, the constant rate of description of area multiplied by the orbital period τ equals the area swept out by the satellite upon completion of one orbital revolution—just the area given by Equation 4. Thus

$$k\tau = \pi a^2(1 - e^2)^{1/2}. \quad (5)$$

By inserting the value of k from Equation 5 into Equation 3, we have

$$\frac{d\psi}{dt} = \frac{2\pi a^2(1 - e^2)^{1/2}}{r^2\tau}; \quad (6)$$

and the substitution of r from Equation 1 into Equation 6 yields

$$\frac{d\psi}{dt} = \frac{2\pi}{\tau} \frac{[1 + e \cos(\psi - \beta)]^2}{(1 - e^2)^{3/2}}. \quad (7)$$

Now, Equation 7 is merely a differential equation with separable variables. Thus

$$(t_2 - t_1) = \int_{t_1}^{t_2} dt = \int_{\psi_1}^{\psi_2} \frac{\tau(1 - e^2)^{3/2} d\psi}{2\pi[1 + e \cos(\psi - \beta)]^2}, \quad (8)$$

where ψ_1 and ψ_2 refer to the value of ψ when $t = t_1$ and $t = t_2$ respectively.

In order to determine ψ_1 and ψ_2 , we consider Figure 2, from which

$$\begin{aligned} r_1 \cos\left(\psi_1 - \frac{\pi}{2}\right) &= 1, \\ r_2 \sin(\psi_2 - \pi) &= 1, \end{aligned} \quad (9)$$

since we took the radius of the earth as 1. By combining Equations 1 and 9 we have

$$a(1 - e^2) \sin \psi_1 = 1 + e \cos(\psi_1 - \beta) \quad (10)$$

and

$$-a(1 - e^2) \sin \psi_2 = 1 + e \cos(\psi_2 - \beta). \quad (11)$$

In order to obtain quadratic expressions involving only sines or cosines, we reduce Equations 10 and 11 by expanding the $\cos(\psi - \beta)$ factors, collecting terms and squaring the results:

$$\begin{aligned} & \left[a^2(1 - e^2)^2 - 2ae(1 - e^2) \sin \beta + e^2 \right] \cos^2 \psi_1 + 2e \cos \beta \cos \psi_1 \\ & + 1 - \left[a(1 - e^2) - e \sin \beta \right]^2 = 0, \quad \cos \psi_1 < 0 \text{ (2nd Quadrant);} \end{aligned}$$

and

$$\begin{aligned} & \left[a^2(1 - e^2)^2 + 2ae(1 - e^2) \sin \beta + e^2 \right] \cos^2 \psi_2 + 2e \cos \beta \cos \psi_2 \\ & + 1 - \left[a(1 - e^2) + e \sin \beta \right]^2 = 0, \quad \cos \psi_2 < 0 \text{ (3rd Quadrant).} \end{aligned}$$

In the above expressions

$$\cos \psi_1 = \frac{-a - \sqrt{a^2 - \gamma(1 - \eta^2)}}{\gamma} \quad (12)$$

and

$$\cos \psi_2 = \frac{-a - \sqrt{a^2 - \gamma'(1 - \eta'^2)}}{\gamma'}, \quad (13)$$

where

$$a = e \cos \beta,$$

$$\gamma = \left[a^2(1 - e^2)^2 - 2ae(1 - e^2) \sin \beta + e^2 \right],$$

$$\gamma' = \left[a^2(1 - e^2)^2 + 2ae(1 - e^2) \sin \beta + e^2 \right],$$

$$\eta = a(1 - e^2) - e \sin \beta,$$

$$\eta' = a(1 - e^2) + e \sin \beta.$$

Now, Equation 8 can be readily integrated if we make the change of variable $\psi - \beta = y$ such that $d\psi = dy$ (β is constant for any particular orbit):

$$\int_{\psi_1}^{\psi_2} \frac{d\psi}{[1 + e \cos(\psi - \beta)]^2} = \int_{\psi_1 - \beta}^{\psi_2 - \beta} \frac{dy}{[1 + e \cos y]^2},$$

an integral given in Dwight's tables,* No. 446.03 (since $e^2 < 1$). The integral is

$$\int_{\psi_1}^{\psi_2} \frac{d\psi}{[1 + e \cos(\psi - \beta)]^2} = \frac{e}{1 - e^2} \left[\frac{\sin(\psi_1 - \beta)}{1 + e \cos(\psi_1 - \beta)} - \frac{\sin(\psi_2 - \beta)}{1 + e \cos(\psi_2 - \beta)} \right] + \frac{2}{(1 - e^2)^{3/2}} \left[\tan^{-1} \frac{(1 - e) \tan\left(\frac{\psi_2 - \beta}{2}\right)}{(1 - e^2)^{1/2}} - \tan^{-1} \frac{(1 - e) \tan\left(\frac{\psi_1 - \beta}{2}\right)}{(1 - e^2)^{1/2}} \right] \quad (14)$$

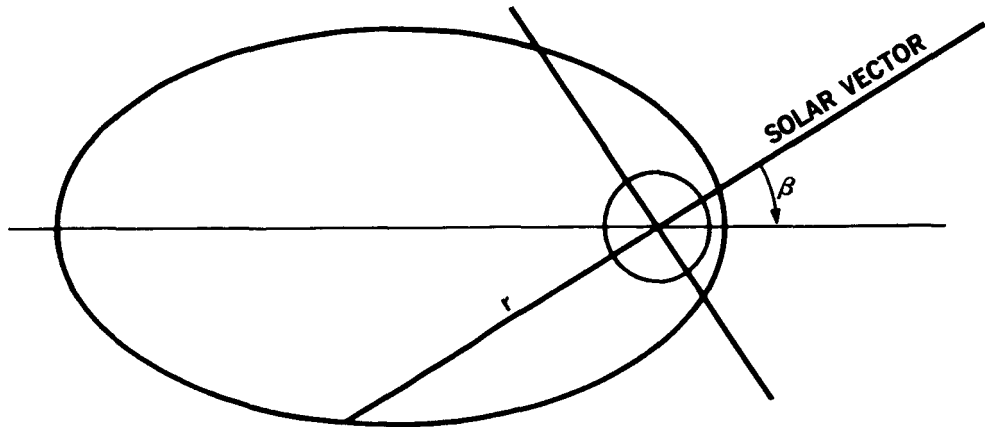
Substituting Equations 8 and 14 into Equation 2 gives

$$\mu_0 = \frac{e(1 - e^2)^{1/2}}{2\pi} \left[\frac{\sin(\psi_1 - \beta)}{1 + e \cos(\psi_1 - \beta)} - \frac{\sin(\psi_2 - \beta)}{1 + e \cos(\psi_2 - \beta)} \right] + \frac{1}{\pi} \left[\tan^{-1} \frac{(1 - e) \tan\left(\frac{\psi_2 - \beta}{2}\right)}{(1 - e^2)^{1/2}} - \tan^{-1} \frac{(1 - e) \tan\left(\frac{\psi_1 - \beta}{2}\right)}{(1 - e^2)^{1/2}} \right] \quad (15)$$

In order to determine the eclipse factor μ for $\delta \neq 0$ consider Figure 3 which defines the starting points and presents the case of $\delta = 0$. It is apparent that any value of $\delta > 0$ can be obtained by simply rotating the orbital plane about the line passing through the earth's center perpendicular to the solar vector. Since the earth's center coincides with a focus of the orbit, it also follows that all of the orbital parameters will remain constant. Clearly, as we rotate the plane of the orbit there exists a value of δ which we shall call δ' such that for $\delta \geq \delta'$ the eclipse factor equals zero; this represents a 100 percent sunlit orbit. For the values of $\delta < \delta'$, we have $0 \leq \mu < 1/2$. Hence, the fact that β is undefined when $\delta = \pi/2$ causes no trouble. We now define δ' as that value of δ occurring when the orbit is tangent to the shadow of the earth (Figure 4).

It is obvious from Figure 4 that when $0 \leq \delta < \delta'$ the satellite spends a portion of its orbital period in shadow and hence $\mu > 0$. Likewise, when $\delta' \leq \delta \leq \pi/2$ the satellite has a 100 percent sunlit orbit, $\mu = 0$.

*Dwight, H. B., "Tables of Integrals and Other Mathematical Data," 3rd Ed., New York: MacMillan Co., 1957, p. 100

Figure 3 - Geometry of the problem for $\delta = 0$

The projection of r (in this case, the radius vector lying along the continuation of the projection of the solar vector onto the orbital plane) onto the plane normal to the solar vector (Figures 3 and 4), is equal to unity when $\delta = \delta'$. Hence we have

$$\frac{a(1 - e^2) \sin \delta'}{1 + e \cos(\pi - \beta)} = 1,$$

from which δ' can be determined.

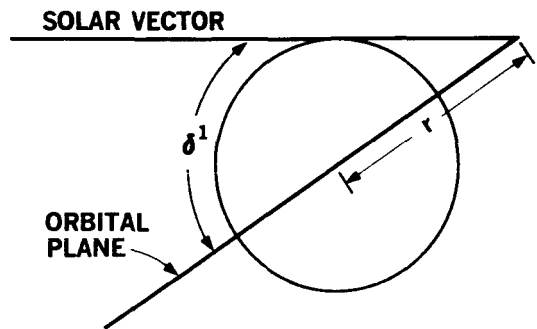
The final step in this development is the determination of the angles ψ_1 and ψ_2 as a general function of δ in the range $0 \leq \delta \leq \delta'$. Using the triangles $oa'a''$ and $ob'b''$ in Figure 5 and the theorem of Pythagoras we can write for ψ_1

$$1 = r_1^2 \sin^2\left(\psi_1 - \frac{\pi}{2}\right) \sin^2 \delta + r_1^2 \cos^2\left(\psi_1 - \frac{\pi}{2}\right),$$

which reduces to

$$[1 + e \cos(\psi_1 - \beta)]^2 = a^2(1 - e^2)^2 (1 - \cos^2 \psi_1 \cos^2 \delta); \quad (16)$$

and for ψ_2

Figure 4 - Geometry defining δ' , the value of δ for which the orbit is tangent to the shadow

$$1 = r_2^2 \cos^2(\psi_2 - \pi) \sin^2 \delta + r_2^2 \sin(\psi_2 - \pi),$$

or

$$[1 + e \cos(\psi_2 - \beta)]^2 = a^2(1 - e^2)^2 (1 - \cos^2 \psi_2 \cos^2 \delta) \quad (17)$$

The forms of Equations 16 and 17 are identical; the only difference arises from the fact that Equation 16 contains ψ_1 where Equation 17 has ψ_2 . We can write the general equation in the form

$$[1 + e \cos(\psi - \beta)] - a(1 - e^2)(1 - \cos^2 \psi \cos^2 \delta)^{1/2} = 0 \quad (18)$$

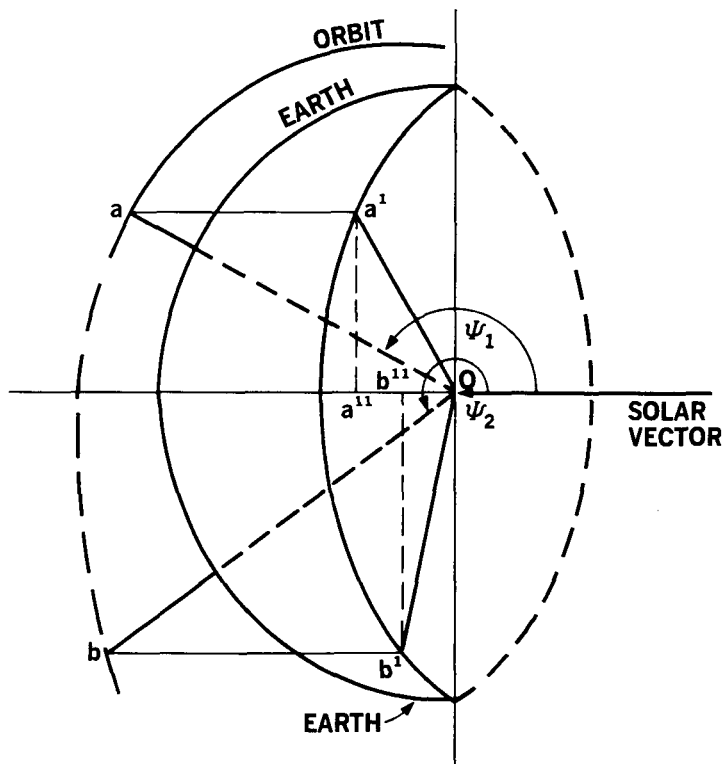


Figure 5 - Geometry of the problem for determining ψ_1 and ψ_2 when ab = part of the orbit penetrating the shadow;

- $\left. \begin{matrix} oa \\ ob \end{matrix} \right\}$ = the radius vectors (lying in the plane of the orbit) from the center of the earth to a and b respectively;
- oa' = the projection of oa on the plane normal to the solar vector;
- ob' = the projection of ob on the plane normal to the solar vector;
- $\left\{ \begin{matrix} oa'' \\ ob'' \end{matrix} \right\}$ = the projection of $\left\{ \begin{matrix} oa' \\ ob' \end{matrix} \right\}$ onto the line perpendicular to the solar vector and perpendicular to the intersection of the orbital plane with the ecliptic plane

This equation can be solved graphically, or by numerical methods for very accurate results. It can be seen that there are at least two roots—one in the second quadrant, ψ_1 , and one in the third quadrant, ψ_2 —which are the desired ones. The eclipse factor μ for $\delta \neq 0$ is given by the same expression as μ_0 (Equation 15) with the additional requirement that ψ_1 and ψ_2 be determined by solving Equation 18 rather than the special case ($\delta = 0$) in which ψ_1 and ψ_2 are given by Equations 12 and 13, respectively.

CONCLUSION

It can be seen that the preceding derivation provides a method for determining the eclipse factor—for the problems defined here—which involves considerably less algebraic calculations than does the more comprehensive approach. The only difficulty arises from Equation 18. However, we can attest from experience that, with graph paper and a desk calculator, the reader can arrive at an answer within 30 minutes. The eclipse factor is tabulated for a large variety of orbits in Appendix A

ACKNOWLEDGMENT

The author wishes to thank Mr. E. Monasterski of Goddard Space Flight Center for the IBM 7090 evaluations of the eclipse factor for the large number of orbits used.

Appendix A
**Tabulation of the Eclipse Factor
for Various Satellite Orbits**

In the following pages the eclipse factor is tabulated for an extensive number of orbits. In Parts I and II the value of perigee r_p in kilometers is given by the column headings, and the value of apogee r_a in kilometers by the row headings. Part I of the tabulation presents the values of r_p in the range $100 \leq r_p \leq 1600$ km in increments of 100 km; Part II covers the range $1700 \leq r_p \leq 3200$ km. In all cases $100 \leq r_a \leq 82,000$ km for the increments shown under the condition that $r_a \geq r_p$. In each case the values of β and δ are given at the top of each table. In many cases these are such that, for the perigees given, $\mu = 0$ for all values of r_a greater than some intermediate value. For these cases the table is not given in its entirety but is terminated at the appropriate point.

The values of β used lie in the range $0 \leq \beta \leq 180^\circ$ with $\Delta\beta = 20^\circ$. For each value of β used, $0 \leq \delta \leq 70^\circ$ with $\Delta\delta = 10^\circ$ for Part I, whereas in Part II the range of δ is $0 \leq \delta \leq 50^\circ$. The values $\delta = 80^\circ, 90^\circ$ are omitted in the first set of orbits, and those for $\delta = 60^\circ, 70^\circ, 80^\circ,$ and 90° are omitted in the second set of orbits, because for these cases the satellite has a 100 percent sunlit orbit. Part III presents the data for circular orbits.

In addition, μ has been calculated for $\beta = 10^\circ, 30^\circ, 50^\circ \dots 170^\circ$, but these data are not presented here. Copies of these unpublished results may be obtained by writing The Thermal Systems Branch, code 633, Goddard Space Flight Center.

58 (1)

G-247

Part I

BETA=	0.0 DEGREES				DELTA= 0.0 DEGREES											
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.444															
200	.434	.421														
300	.426	.415	.404													
400	.419	.409	.399	.390												
500	.414	.404	.395	.386	.378											
600	.409	.399	.390	.382	.374	.367										
700	.404	.395	.387	.379	.371	.364	.357									
800	.400	.391	.383	.376	.368	.361	.355	.348								
900	.396	.388	.380	.373	.366	.359	.352	.346	.340							
1000	.393	.385	.377	.370	.363	.356	.350	.344	.338	.332						
1100	.390	.382	.374	.367	.361	.354	.348	.342	.336	.330	.325					
1200	.387	.379	.372	.365	.358	.352	.346	.340	.334	.329	.323	.318				
1300	.384	.377	.369	.363	.356	.350	.344	.338	.333	.327	.322	.317	.312			
1400	.381	.374	.367	.361	.354	.348	.342	.336	.331	.326	.320	.315	.311	.306		
1500	.379	.372	.365	.358	.352	.346	.340	.335	.329	.324	.319	.314	.310	.305	.300	
1600	.377	.370	.363	.357	.350	.344	.339	.333	.328	.323	.318	.313	.308	.304	.299	.295
1700	.374	.368	.361	.355	.349	.343	.337	.332	.326	.321	.316	.312	.307	.303	.298	.294
1800	.372	.366	.359	.353	.347	.341	.336	.330	.325	.320	.315	.310	.306	.302	.297	.293
1900	.370	.364	.357	.351	.345	.340	.334	.329	.324	.319	.314	.310	.305	.301	.296	.292
2000	.368	.362	.356	.350	.344	.338	.333	.328	.322	.317	.313	.308	.304	.300	.295	.291
2100	.367	.360	.354	.348	.342	.337	.331	.326	.321	.316	.312	.307	.303	.299	.294	.290
2200	.365	.358	.352	.347	.341	.335	.330	.325	.320	.315	.310	.306	.302	.297	.293	.289
2300	.363	.357	.351	.345	.339	.334	.329	.324	.319	.314	.310	.305	.301	.297	.292	.288
2400	.361	.355	.349	.344	.338	.333	.328	.323	.318	.313	.309	.305	.301	.297	.292	.288
2500	.360	.354	.348	.342	.337	.332	.326	.321	.317	.312	.307	.303	.299	.295	.290	.286
2600	.358	.352	.347	.341	.336	.330	.325	.320	.316	.311	.306	.302	.298	.294	.289	.285
2700	.357	.351	.345	.340	.334	.329	.324	.319	.315	.310	.306	.302	.298	.294	.289	.285
2800	.355	.350	.344	.338	.333	.328	.323	.318	.314	.309	.305	.301	.297	.293	.288	.284
2900	.354	.348	.343	.337	.332	.327	.322	.317	.313	.308	.304	.300	.296	.292	.287	.283
3000	.353	.347	.341	.336	.331	.326	.321	.316	.312	.307	.303	.299	.295	.291	.287	.283
3100	.351	.346	.340	.335	.330	.325	.320	.315	.311	.306	.302	.298	.294	.290	.286	.282
3200	.350	.344	.339	.334	.329	.324	.319	.314	.310	.305	.301	.297	.293	.289	.285	.281
3400	.348	.342	.337	.332	.327	.322	.317	.313	.308	.304	.300	.296	.292	.288	.284	.280
3600	.345	.340	.335	.330	.325	.320	.315	.311	.306	.302	.298	.294	.290	.286	.282	.279
3800	.343	.338	.333	.328	.323	.318	.314	.309	.305	.301	.296	.292	.288	.284	.280	.277
4000	.341	.336	.331	.326	.321	.316	.312	.307	.303	.299	.295	.291	.287	.283	.279	.275
4200	.339	.334	.329	.324	.319	.315	.310	.306	.302	.298	.294	.290	.286	.282	.278	.274
4400	.337	.332	.327	.322	.318	.313	.309	.304	.300	.296	.292	.288	.284	.280	.276	.272
4600	.335	.330	.325	.320	.316	.311	.307	.303	.299	.295	.291	.287	.283	.279	.275	.271
4800	.333	.328	.323	.319	.314	.310	.306	.302	.297	.293	.289	.285	.281	.277	.273	.270
5000	.331	.327	.322	.317	.313	.308	.304	.300	.296	.292	.288	.284	.280	.276	.272	.269
5200	.330	.325	.320	.316	.311	.307	.303	.299	.295	.291	.287	.283	.279	.275	.271	.268
5400	.328	.323	.319	.314	.310	.306	.302	.297	.293	.289	.285	.281	.277	.273	.270	.267
5600	.326	.322	.317	.313	.308	.304	.300	.296	.292	.288	.284	.280	.276	.272	.268	.266
5800	.325	.320	.316	.311	.307	.303	.299	.295	.291	.287	.283	.279	.275	.271	.267	.264
6000	.323	.319	.314	.310	.306	.302	.298	.294	.290	.286	.282	.278	.274	.270	.266	.263
6200	.322	.317	.313	.309	.304	.300	.296	.293	.289	.285	.281	.277	.273	.269	.265	.262
6400	.320	.316	.311	.307	.303	.299	.295	.291	.288	.284	.280	.276	.272	.268	.264	.261
6600	.319	.314	.310	.306	.302	.298	.294	.290	.287	.283	.279	.275	.271	.267	.263	.260
6800	.317	.313	.309	.305	.301	.297	.293	.289	.285	.282	.278	.274	.270	.266	.262	.259
7000	.316	.312	.307	.303	.299	.295	.292	.288	.284	.281	.277	.273	.269	.265	.261	.258
7200	.315	.310	.306	.302	.298	.294	.291	.287	.283	.280	.276	.272	.268	.264	.260	.257
7400	.313	.309	.305	.301	.297	.293	.289	.286	.282	.279	.275	.272	.268	.264	.260	.257
7600	.312	.308	.304	.300	.296	.292	.288	.285	.281	.278	.274	.271	.267	.263	.259	.256
7800	.311	.307	.302	.299	.295	.291	.287	.284	.280	.277	.273	.270	.266	.262	.258	.255
8000	.309	.305	.301	.297	.294	.290	.286	.283	.279	.276	.273	.269	.265	.261	.257	.254
8500	.306	.302	.298	.295	.291	.287	.284	.280	.277	.274	.270	.267	.263	.259	.255	.252
9000	.303	.299	.296	.292	.288	.285	.281	.278	.274	.271	.268	.265	.262	.258	.254	.251
9500	.301	.297	.293	.289	.286	.282	.279	.275	.272	.269	.266	.263	.260	.257	.253	.250
10000	.298	.294	.290	.287	.283	.280	.276	.273	.270	.267	.264	.261	.258	.255	.252	.249
10500	.295	.291	.288	.284	.281	.278	.274	.271	.268	.265	.262	.259	.256	.253	.250	.247
11000	.293	.289	.285	.282	.279	.275	.272	.269	.266	.263	.260	.257	.254	.251	.248	.244
11500	.290	.287	.283	.280	.276	.273	.270	.267	.264	.261	.258	.255	.252	.249	.245	.242
12000	.288	.284	.281	.277	.274	.271	.268	.265	.262	.259	.256	.253	.250	.247	.243	.240
12500	.285	.282	.279	.275	.272	.269	.266	.263	.260	.257	.254	.251	.248	.244	.241	.238
13000	.283	.280	.276	.273	.270	.267	.264	.261	.258	.255	.252	.249	.246	.242	.239	.236
13500	.281	.278	.274	.271	.268	.265	.262	.259	.256	.253	.251	.248	.245	.241	.238	.235
14000	.279	.275	.272	.269	.266	.263	.260	.257	.254	.252	.249	.246	.243	.240	.236	.233
14500	.277	.273	.270	.267	.264	.261	.258	.255	.253	.250	.247	.244	.241	.237	.234	.231
15000	.275	.271	.268	.265	.262	.259	.256	.254	.251	.248	.246	.243	.240	.236	.233	.230
15500	.272	.269	.266	.263	.260	.257	.255	.252	.249	.247	.244	.241	.238	.234	.231	.228
16000	.271	.267	.264	.261	.258	.256	.253	.250	.247	.245	.242	.240	.237	.233	.230	.227
17000	.267	.264	.261	.258	.255	.252	.250	.247	.244	.242	.239	.237	.234	.230	.227	.224
18000	.263	.260	.257	.254	.252	.249	.246	.244	.241	.239	.236	.234	.232	.228	.225	.222
19000	.260	.257	.254	.251	.248	.246	.243	.241	.238	.236	.233	.231	.229	.226	.222	.219
20000	.256	.253	.251	.248	.245	.243	.240	.238	.235	.233	.231	.228	.226	.224	.221	.217
21000	.253	.250	.248	.245	.242	.240	.237	.235	.233	.230	.228	.226	.224	.221	.217	.214
22000	.250	.247	.245	.242	.239	.237	.235	.232	.230	.228	.225	.223	.221	.219	.217	.214
23000	.247	.244	.242	.239	.237	.234	.232	.230	.227	.225	.223	.221	.219	.217	.215	.212
24000	.244	.241	.239	.236	.234	.232	.229	.227	.225	.223	.221	.218	.216	.214	.212	.210
25000	.241	.239	.236	.234	.231	.229	.227	.225	.222	.220	.218	.216	.214	.212	.210	.208
26000	.239	.236	.234	.231	.229	.227	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206
27000	.236	.233	.231	.229	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204
28000	.233	.231	.229	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204	.202
29000	.231	.229	.226	.224	.222	.220	.217	.215	.213	.211	.209	.207	.206	.204	.202	.200
30000	.229	.226	.224	.222	.220	.217	.215	.213	.211	.209	.207	.205	.204	.202	.200	.198
31000	.226	.224	.222	.220	.217	.215	.213	.211	.209	.207	.205	.204	.202	.200	.198	.197
32000	.224	.222	.220	.217	.215	.213	.211	.209	.207	.205	.204	.202	.200	.198	.196	.195
37000	.214	.212	.210	.208	.206											

BETA=	0.0 DEGREES		DELTA= 10.0 DEGREES													
•RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.443															
200	.433	.420														
300	.425	.413	.403													
400	.418	.407	.397	.388												
500	.412	.402	.393	.384	.376											
600	.407	.397	.388	.380	.372	.365										
700	.402	.393	.384	.376	.369	.362	.355									
800	.398	.389	.381	.373	.366	.359	.352	.346								
900	.394	.385	.377	.370	.363	.356	.349	.343	.337							
1000	.390	.382	.374	.367	.360	.353	.347	.341	.335	.329						
1100	.387	.379	.371	.364	.357	.351	.345	.339	.333	.327	.322					
1200	.383	.376	.369	.362	.355	.349	.343	.337	.331	.326	.320	.315				
1300	.380	.373	.366	.359	.353	.346	.340	.335	.329	.324	.319	.314	.309			
1400	.378	.370	.364	.357	.351	.344	.338	.333	.327	.322	.317	.312	.307	.302		
1500	.375	.368	.361	.355	.348	.342	.337	.331	.326	.320	.315	.310	.305	.300	.295	
1600	.372	.366	.359	.353	.346	.340	.335	.329	.324	.319	.314	.309	.304	.299	.294	.289
1700	.370	.363	.357	.350	.344	.339	.333	.328	.322	.317	.312	.308	.303	.298	.293	.288
1800	.368	.361	.355	.349	.343	.337	.331	.326	.321	.316	.311	.306	.301	.296	.291	.286
1900	.366	.359	.353	.347	.341	.335	.330	.324	.319	.314	.310	.305	.300	.295	.290	.285
2000	.363	.357	.351	.345	.339	.333	.328	.323	.318	.313	.308	.303	.298	.293	.288	.283
2100	.361	.355	.349	.343	.337	.332	.327	.322	.317	.312	.307	.302	.297	.292	.287	.282
2200	.359	.353	.347	.341	.336	.330	.325	.320	.315	.310	.305	.300	.295	.290	.285	.280
2300	.358	.351	.345	.340	.334	.329	.324	.319	.314	.309	.304	.299	.294	.289	.284	.279
2400	.356	.350	.344	.338	.333	.327	.322	.317	.312	.308	.303	.298	.293	.288	.283	.278
2500	.354	.348	.342	.337	.331	.326	.321	.316	.311	.307	.302	.298	.293	.288	.283	.278
2600	.352	.346	.341	.335	.330	.324	.319	.315	.310	.305	.301	.297	.292	.287	.282	.277
2700	.351	.345	.339	.334	.328	.323	.318	.313	.309	.304	.300	.295	.291	.286	.281	.277
2800	.349	.343	.337	.332	.327	.322	.317	.312	.307	.303	.299	.294	.290	.285	.280	.275
2900	.347	.342	.336	.331	.326	.320	.316	.311	.306	.302	.298	.293	.289	.284	.279	.274
3000	.346	.340	.335	.329	.324	.319	.314	.310	.305	.301	.296	.292	.288	.284	.279	.274
3100	.344	.339	.333	.328	.323	.318	.313	.309	.304	.300	.295	.291	.287	.283	.278	.273
3200	.343	.337	.332	.327	.322	.317	.312	.307	.303	.299	.294	.290	.286	.282	.277	.272
3400	.340	.334	.329	.324	.319	.314	.310	.305	.301	.297	.292	.288	.284	.280	.275	.270
3600	.337	.332	.327	.322	.317	.312	.307	.303	.299	.295	.291	.287	.283	.279	.275	.271
3800	.334	.329	.324	.319	.314	.310	.305	.301	.297	.293	.289	.285	.281	.277	.273	.269
4000	.332	.327	.322	.317	.312	.308	.303	.299	.295	.291	.287	.283	.279	.275	.271	.267
4200	.329	.324	.319	.315	.310	.306	.301	.297	.293	.289	.285	.281	.277	.273	.269	.265
4400	.327	.322	.317	.312	.308	.303	.299	.295	.291	.287	.283	.279	.275	.271	.267	.263
4600	.324	.320	.315	.310	.306	.301	.297	.293	.289	.285	.281	.277	.273	.269	.265	.261
4800	.322	.317	.313	.308	.304	.299	.295	.291	.287	.283	.279	.275	.271	.267	.263	.259
5000	.320	.315	.311	.306	.302	.297	.293	.289	.286	.282	.278	.274	.270	.266	.262	.258
5200	.318	.313	.308	.304	.300	.296	.292	.288	.284	.280	.276	.272	.268	.264	.260	.256
5400	.315	.311	.306	.302	.298	.294	.290	.286	.282	.278	.274	.270	.266	.262	.258	.254
5600	.313	.309	.304	.300	.296	.292	.288	.284	.280	.277	.273	.270	.266	.262	.258	.254
5800	.311	.307	.302	.298	.294	.290	.286	.282	.279	.275	.272	.268	.265	.261	.257	.253
6000	.309	.305	.300	.296	.292	.288	.284	.281	.277	.273	.270	.266	.263	.259	.255	.251
6200	.307	.303	.298	.294	.290	.286	.283	.279	.275	.272	.268	.265	.262	.258	.254	.250
6400	.305	.301	.297	.292	.289	.285	.281	.277	.274	.270	.267	.263	.260	.256	.252	.248
6600	.303	.299	.295	.291	.287	.283	.279	.276	.272	.269	.265	.262	.258	.255	.251	.247
6800	.301	.297	.293	.289	.285	.281	.278	.274	.270	.267	.263	.260	.256	.252	.248	.244
7000	.299	.295	.291	.287	.283	.279	.276	.272	.269	.265	.262	.258	.255	.251	.247	.243
7200	.297	.293	.289	.285	.281	.278	.274	.271	.267	.264	.261	.258	.255	.251	.247	.243
7400	.295	.291	.287	.283	.280	.276	.273	.269	.266	.262	.259	.256	.253	.250	.246	.242
7600	.293	.289	.285	.282	.278	.274	.271	.267	.264	.261	.258	.255	.252	.249	.245	.241
7800	.291	.288	.284	.280	.276	.273	.269	.266	.263	.259	.256	.253	.250	.247	.243	.239
8000	.290	.286	.282	.278	.275	.271	.268	.264	.261	.258	.255	.252	.249	.246	.242	.238
8500	.285	.281	.277	.273	.270	.266	.263	.260	.256	.253	.250	.247	.244	.241	.237	.233
9000	.280	.277	.273	.270	.266	.263	.260	.256	.253	.250	.247	.244	.241	.238	.235	.231
9500	.276	.272	.269	.265	.262	.259	.256	.253	.250	.247	.244	.241	.238	.235	.232	.229
10000	.272	.268	.265	.261	.258	.255	.252	.249	.246	.243	.240	.237	.235	.232	.229	.227
10500	.267	.264	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.231	.228	.225	.222
11000	.263	.259	.256	.253	.250	.247	.244	.241	.238	.236	.233	.230	.228	.225	.222	.219
11500	.258	.255	.252	.249	.246	.243	.240	.237	.235	.232	.229	.227	.224	.222	.219	.217
12000	.254	.251	.248	.245	.242	.239	.236	.234	.231	.228	.226	.223	.221	.218	.216	.214
12500	.250	.247	.244	.241	.238	.235	.232	.230	.227	.225	.222	.220	.217	.215	.213	.210
13000	.246	.242	.240	.237	.234	.231	.228	.226	.223	.221	.218	.216	.214	.211	.209	.207
13500	.241	.238	.235	.233	.230	.227	.225	.222	.220	.217	.215	.212	.210	.208	.206	.204
14000	.237	.234	.231	.228	.226	.223	.221	.218	.216	.213	.211	.209	.207	.204	.202	.200
14500	.233	.230	.227	.224	.222	.219	.217	.214	.212	.210	.207	.205	.203	.201	.199	.197
15000	.228	.225	.223	.220	.218	.215	.213	.210	.208	.206	.204	.201	.199	.197	.195	.193
15500	.224	.221	.219	.216	.214	.211	.209	.207	.204	.202	.200	.198	.196	.194	.192	.190
16000	.219	.217	.214	.212	.209	.207	.205	.203	.200	.198	.196	.194	.192	.190	.188	.186
17000	.211	.208	.206	.203	.201	.199	.197	.195	.192	.190	.188	.186	.185	.183	.181	.179
18000	.202	.199	.197	.195	.193	.190	.188	.186	.184	.182	.181	.179	.177	.175	.173	.172
19000	.192	.190	.188	.186	.184	.182	.180	.178	.176	.174	.172	.171	.169	.167	.166	.164
20000	.183	.181	.179	.177	.175	.173	.171	.169	.168	.166	.164	.162	.161	.159	.158	.156
21000	.173	.171	.169	.167	.166	.164	.162	.160	.159	.157	.156	.154	.152	.151	.149	.148
22000	.163	.161	.159	.158	.156	.154	.153	.151	.149	.148	.146	.145	.144	.142	.141	.140
23000	.152	.151	.149	.147	.146	.144	.143	.141	.140	.138	.137	.136	.134	.133	.132	.131
24000	.141	.139	.138	.136	.135	.134	.132	.131	.129	.128	.127	.126	.124	.123	.122	.121
25000	.129	.127	.126	.125	.123	.122	.121	.120	.118	.117	.116	.115	.114	.113	.112	.111
26000	.116	.115	.113	.112	.111	.110	.109	.108	.106	.105	.104	.103	.102	.101	.100	.100
27000	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.087
28000	.084	.083	.082	.082	.081	.080	.079	.078	.078	.077	.076	.075	.075	.074	.073	.073
29000	.063	.063	.062	.061	.061	.060	.059	.059	.058	.058	.057	.057	.056	.056	.055	.055
30000	.031	.030	.030	.030	.029	.029	.029	.029	.028	.028	.028	.028	.027	.027	.027	.027
31000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 0.0 DEGREES DELTA= 20.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.44C															
200	.429	.416														
300	.420	.408	.398													
400	.413	.402	.392	.383												
500	.406	.396	.386	.378	.370											
600	.400	.390	.382	.373	.365	.358										
700	.395	.385	.377	.369	.361	.354	.347									
800	.390	.381	.373	.365	.358	.351	.344	.338								
900	.385	.377	.369	.361	.354	.347	.341	.335	.329							
1000	.381	.373	.365	.358	.351	.344	.338	.332	.326	.320						
1100	.377	.369	.361	.354	.348	.341	.335	.329	.323	.318	.312					
1200	.373	.365	.358	.351	.345	.338	.332	.326	.321	.316	.311	.305				
1300	.369	.362	.355	.348	.342	.335	.329	.324	.318	.313	.308	.303	.298			
1400	.366	.359	.352	.345	.339	.333	.327	.321	.316	.311	.306	.301	.296	.291		
1500	.362	.355	.349	.342	.336	.330	.324	.319	.314	.308	.303	.299	.294	.289	.285	
1600	.359	.352	.346	.339	.333	.328	.322	.317	.311	.306	.301	.297	.292	.288	.283	.279
1700	.356	.349	.343	.337	.331	.325	.320	.314	.309	.304	.299	.295	.290	.286	.282	.277
1800	.353	.347	.340	.334	.328	.323	.317	.312	.307	.302	.297	.293	.288	.284	.280	.276
1900	.350	.344	.338	.332	.326	.320	.315	.310	.305	.300	.295	.291	.286	.282	.278	.274
2000	.347	.341	.335	.329	.324	.318	.313	.308	.303	.298	.293	.289	.285	.280	.276	.272
2100	.345	.338	.332	.327	.321	.316	.311	.306	.301	.296	.292	.287	.283	.279	.275	.271
2200	.342	.336	.330	.324	.319	.314	.309	.304	.299	.294	.290	.285	.281	.277	.273	.269
2300	.339	.333	.328	.322	.317	.311	.306	.302	.297	.292	.288	.284	.279	.275	.271	.267
2400	.337	.331	.325	.320	.314	.309	.304	.300	.295	.290	.286	.282	.278	.274	.270	.266
2500	.334	.329	.323	.317	.312	.307	.302	.298	.293	.289	.284	.280	.276	.272	.268	.264
2600	.332	.326	.321	.315	.310	.305	.300	.296	.291	.287	.282	.278	.274	.270	.266	.263
2700	.329	.324	.318	.313	.308	.303	.298	.294	.289	.285	.281	.277	.273	.269	.265	.261
2800	.327	.321	.316	.311	.306	.301	.296	.292	.287	.283	.279	.275	.271	.267	.263	.260
2900	.325	.319	.314	.309	.304	.299	.294	.290	.286	.281	.277	.273	.269	.265	.262	.258
3000	.322	.317	.312	.307	.302	.297	.292	.288	.284	.279	.275	.271	.267	.264	.260	.257
3100	.320	.315	.310	.305	.300	.295	.291	.286	.282	.278	.274	.270	.266	.262	.259	.255
3200	.318	.313	.307	.303	.298	.293	.289	.284	.280	.276	.272	.268	.264	.261	.257	.254
3400	.313	.308	.303	.298	.294	.289	.285	.281	.276	.272	.269	.265	.261	.257	.254	.251
3600	.309	.304	.299	.294	.290	.285	.281	.277	.273	.269	.265	.261	.258	.254	.251	.248
3800	.305	.300	.295	.290	.286	.282	.277	.273	.269	.266	.262	.258	.255	.251	.248	.245
4000	.300	.296	.291	.286	.282	.278	.274	.270	.266	.262	.258	.255	.251	.248	.245	.242
4200	.296	.291	.287	.282	.278	.274	.270	.266	.262	.259	.255	.252	.248	.245	.242	.239
4400	.292	.287	.283	.278	.274	.270	.266	.263	.259	.255	.252	.248	.245	.242	.239	.235
4600	.288	.283	.279	.275	.270	.267	.263	.259	.255	.252	.248	.245	.242	.239	.235	.232
4800	.283	.279	.275	.271	.267	.263	.259	.255	.252	.248	.245	.242	.238	.235	.232	.229
5000	.279	.275	.271	.267	.263	.259	.255	.252	.248	.245	.242	.238	.235	.232	.229	.226
5200	.275	.271	.267	.263	.259	.255	.252	.248	.245	.241	.238	.235	.232	.229	.226	.223
5400	.271	.266	.263	.259	.255	.251	.248	.244	.241	.238	.235	.232	.229	.226	.223	.220
5600	.266	.262	.258	.255	.251	.247	.244	.241	.237	.234	.231	.228	.225	.222	.219	.217
5800	.262	.258	.254	.251	.247	.244	.240	.237	.234	.231	.228	.225	.222	.219	.216	.213
6000	.258	.254	.250	.247	.243	.240	.236	.233	.230	.227	.224	.221	.218	.215	.213	.210
6200	.253	.250	.246	.242	.239	.236	.232	.229	.226	.223	.220	.217	.215	.212	.209	.207
6400	.249	.245	.242	.238	.235	.232	.228	.225	.222	.219	.217	.214	.211	.208	.206	.203
6600	.244	.241	.237	.234	.231	.228	.224	.221	.219	.216	.213	.210	.208	.205	.202	.200
6800	.240	.236	.233	.230	.227	.223	.220	.217	.215	.212	.209	.206	.204	.201	.199	.196
7000	.235	.232	.229	.225	.222	.219	.216	.213	.211	.208	.205	.203	.200	.198	.195	.193
7200	.231	.227	.224	.221	.218	.215	.212	.209	.207	.204	.201	.199	.196	.194	.192	.189
7400	.226	.223	.220	.216	.214	.211	.208	.205	.202	.200	.197	.195	.192	.190	.188	.185
7600	.221	.218	.215	.212	.209	.206	.203	.201	.198	.196	.193	.191	.188	.186	.184	.182
7800	.216	.213	.210	.207	.204	.202	.199	.196	.194	.191	.189	.187	.184	.182	.180	.178
8000	.211	.208	.205	.203	.200	.197	.195	.192	.190	.187	.185	.182	.180	.178	.176	.174
8500	.198	.195	.193	.190	.188	.185	.183	.180	.178	.176	.174	.172	.169	.167	.165	.163
9000	.184	.182	.179	.177	.175	.172	.170	.168	.166	.164	.162	.160	.158	.156	.154	.152
9500	.170	.167	.165	.163	.161	.159	.157	.155	.153	.151	.149	.147	.145	.144	.142	.140
10000	.153	.151	.149	.147	.145	.143	.142	.140	.138	.136	.135	.133	.132	.130	.129	.127
10500	.135	.133	.132	.130	.128	.127	.125	.123	.122	.120	.119	.118	.116	.115	.114	.112
11000	.114	.113	.111	.110	.108	.107	.106	.104	.103	.102	.101	.100	.098	.097	.096	.095
11500	.089	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.074
12000	.051	.051	.050	.049	.049	.048	.048	.047	.046	.046	.045	.045	.044	.044	.043	.043
12500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA=	0.0 DEGREES		DELTA= 50.0 DEGREES													
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.412															
200	.391	.376														
300	.372	.359	.347													
400	.355	.344	.333	.323												
500	.340	.329	.319	.310	.302											
600	.324	.315	.306	.297	.290	.282										
700	.309	.300	.292	.284	.277	.271	.264									
800	.294	.286	.279	.271	.265	.258	.252	.247								
900	.279	.272	.265	.258	.252	.246	.241	.235	.230							
1000	.264	.257	.251	.245	.239	.233	.228	.223	.218	.214						
1100	.249	.242	.236	.231	.225	.220	.215	.211	.206	.202	.198					
1200	.233	.227	.221	.216	.211	.206	.202	.198	.194	.190	.186	.182				
1300	.216	.210	.205	.201	.196	.192	.188	.184	.180	.176	.173	.170	.166			
1400	.198	.193	.188	.184	.180	.176	.172	.169	.165	.162	.159	.156	.153	.150		
1500	.178	.174	.170	.166	.162	.159	.156	.152	.149	.146	.144	.141	.138	.136	.133	
1600	.157	.153	.149	.146	.143	.140	.137	.134	.131	.129	.126	.124	.122	.120	.117	.115
1700	.132	.129	.126	.123	.120	.118	.115	.113	.111	.109	.107	.105	.103	.101	.099	.097
1800	.101	.099	.097	.095	.093	.091	.089	.087	.085	.084	.082	.081	.079	.078	.076	.075
1900	.057	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.043	.042
2000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA=	0.0 DEGREES		DELTA= 60.0 DEGREES													
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.386															
200	.354	.337														
300	.323	.310	.298													
400	.294	.283	.272	.263												
500	.264	.255	.246	.238	.231											
600	.233	.225	.218	.211	.204	.198										
700	.199	.192	.186	.180	.175	.170	.166									
800	.159	.154	.149	.145	.141	.137	.133	.130								
900	.107	.104	.101	.098	.095	.093	.090	.088	.086							
1000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000						

BETA=	0.0 DEGREES		DELTA= 70.0 DEGREES													
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.329															
200	.262	.246														
300	.185	.175	.166													
400	.052	.049	.047	.045												
500	.000	.000	.000	.000	.000											

G-247

BETA= 20.0 DEGREES DELTA= C.O DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.444															
200	.434	.421														
300	.426	.414	.404													
400	.419	.409	.399	.390												
500	.414	.404	.394	.386	.378											
600	.409	.399	.390	.382	.374	.367										
700	.404	.395	.386	.378	.371	.364	.357									
800	.400	.391	.383	.375	.368	.361	.354	.348								
900	.396	.388	.380	.372	.365	.358	.352	.346	.340							
1000	.392	.384	.377	.369	.362	.356	.350	.344	.338	.332						
1100	.389	.381	.374	.367	.360	.354	.347	.341	.336	.330	.325					
1200	.386	.378	.371	.364	.358	.351	.345	.339	.334	.329	.323	.318				
1300	.383	.376	.369	.362	.355	.349	.343	.338	.332	.327	.322	.317	.312			
1400	.381	.373	.366	.360	.353	.347	.341	.336	.330	.325	.320	.315	.310	.306		
1500	.378	.371	.364	.357	.351	.345	.340	.334	.329	.324	.319	.314	.309	.304	.300	.295
1600	.375	.368	.362	.355	.349	.343	.338	.332	.327	.322	.317	.312	.307	.303	.298	.293
1700	.373	.366	.360	.353	.347	.342	.336	.331	.326	.321	.316	.311	.306	.302	.297	.292
1800	.371	.364	.358	.352	.346	.340	.334	.329	.324	.319	.314	.309	.305	.301	.296	.291
1900	.369	.362	.356	.350	.344	.338	.333	.328	.323	.318	.313	.308	.304	.300	.295	.290
2000	.367	.360	.354	.348	.342	.337	.331	.326	.321	.316	.312	.307	.303	.299	.294	.289
2100	.365	.358	.352	.346	.341	.335	.330	.325	.320	.315	.311	.307	.303	.299	.295	.290
2200	.363	.357	.351	.345	.339	.334	.329	.324	.319	.314	.310	.306	.302	.298	.294	.289
2300	.361	.355	.349	.343	.338	.332	.327	.322	.317	.313	.308	.304	.300	.296	.292	.287
2400	.359	.353	.347	.342	.336	.331	.326	.321	.316	.312	.307	.303	.299	.295	.291	.286
2500	.358	.352	.346	.340	.335	.330	.325	.320	.315	.311	.306	.302	.298	.294	.290	.285
2600	.356	.350	.344	.339	.333	.328	.323	.319	.314	.310	.306	.302	.298	.294	.290	.285
2700	.354	.348	.343	.337	.332	.327	.322	.317	.313	.308	.304	.300	.296	.292	.288	.284
2800	.353	.347	.341	.336	.331	.326	.321	.316	.312	.307	.303	.299	.295	.291	.287	.283
2900	.351	.345	.340	.335	.330	.325	.320	.315	.311	.306	.302	.298	.294	.290	.286	.282
3000	.350	.344	.339	.333	.328	.323	.319	.314	.310	.305	.301	.297	.293	.289	.285	.281
3100	.348	.343	.337	.332	.327	.322	.317	.313	.308	.304	.300	.296	.292	.288	.284	.280
3200	.347	.341	.336	.331	.326	.321	.316	.312	.307	.303	.299	.295	.291	.287	.283	.279
3400	.344	.339	.333	.328	.324	.319	.314	.310	.306	.301	.297	.293	.289	.285	.281	.277
3600	.341	.336	.331	.326	.321	.317	.312	.308	.304	.300	.296	.292	.288	.284	.280	.276
3800	.339	.334	.329	.324	.319	.315	.310	.306	.302	.298	.294	.290	.286	.282	.278	.274
4000	.337	.331	.327	.322	.317	.313	.308	.304	.300	.296	.292	.288	.285	.281	.277	.273
4200	.334	.329	.324	.320	.315	.311	.307	.302	.298	.294	.291	.287	.283	.279	.275	.271
4400	.332	.327	.322	.318	.313	.309	.305	.301	.297	.293	.289	.285	.282	.278	.274	.270
4600	.330	.325	.320	.316	.311	.307	.303	.299	.295	.291	.288	.284	.280	.276	.272	.268
4800	.328	.323	.318	.314	.310	.305	.301	.297	.294	.290	.286	.282	.278	.274	.270	.266
5000	.326	.321	.316	.312	.308	.304	.300	.296	.292	.288	.285	.281	.277	.273	.269	.265
5200	.324	.319	.315	.310	.306	.302	.298	.294	.290	.287	.283	.280	.276	.272	.268	.264
5400	.322	.317	.313	.309	.304	.300	.297	.293	.289	.285	.282	.278	.275	.271	.267	.263
5600	.320	.315	.311	.307	.303	.299	.295	.291	.288	.284	.280	.277	.274	.271	.267	.263
5800	.318	.314	.309	.305	.301	.297	.293	.290	.286	.283	.279	.276	.273	.269	.265	.261
6000	.316	.312	.308	.304	.300	.296	.292	.288	.285	.281	.278	.275	.271	.268	.264	.260
6200	.314	.310	.306	.302	.298	.294	.291	.287	.283	.280	.277	.273	.270	.266	.262	.258
6400	.313	.308	.304	.300	.297	.293	.289	.286	.282	.279	.275	.272	.268	.265	.261	.257
6600	.311	.307	.303	.299	.295	.291	.288	.284	.281	.277	.274	.271	.268	.264	.260	.256
6800	.309	.305	.301	.297	.294	.290	.286	.283	.279	.276	.273	.270	.267	.264	.260	.256
7000	.308	.304	.300	.296	.292	.289	.285	.282	.278	.275	.272	.269	.266	.262	.258	.254
7200	.306	.302	.298	.294	.291	.287	.284	.280	.277	.274	.271	.268	.265	.261	.257	.253
7400	.304	.301	.297	.293	.289	.286	.282	.279	.276	.272	.269	.266	.263	.260	.256	.252
7600	.303	.299	.295	.292	.288	.284	.281	.278	.274	.271	.268	.265	.262	.259	.255	.251
7800	.301	.298	.294	.290	.287	.283	.280	.276	.273	.270	.267	.264	.261	.258	.254	.250
8000	.300	.296	.292	.289	.285	.282	.279	.275	.272	.269	.266	.263	.260	.257	.254	.250
8500	.296	.292	.288	.285	.282	.279	.275	.272	.269	.266	.263	.260	.257	.254	.251	.247
9000	.293	.289	.286	.282	.279	.276	.273	.269	.266	.263	.261	.258	.255	.252	.249	.245
9500	.289	.286	.282	.279	.276	.273	.270	.267	.264	.261	.258	.255	.252	.249	.245	.241
10000	.286	.283	.279	.276	.273	.270	.267	.264	.261	.258	.255	.253	.250	.247	.243	.239
10500	.283	.280	.276	.273	.270	.267	.264	.261	.258	.255	.253	.250	.248	.245	.241	.237
11000	.280	.277	.273	.270	.267	.264	.261	.259	.256	.253	.251	.248	.245	.243	.240	.236
11500	.277	.274	.271	.268	.265	.262	.259	.256	.253	.251	.248	.246	.243	.241	.238	.234
12000	.274	.271	.268	.265	.262	.259	.256	.254	.251	.248	.246	.243	.241	.239	.236	.232
12500	.271	.268	.265	.262	.259	.257	.254	.251	.249	.246	.244	.241	.239	.237	.234	.230
13000	.268	.265	.262	.260	.257	.254	.252	.249	.246	.244	.241	.239	.237	.235	.232	.228
13500	.266	.263	.260	.257	.254	.252	.249	.247	.244	.242	.240	.237	.235	.233	.230	.226
14000	.263	.260	.257	.255	.252	.249	.247	.245	.242	.240	.237	.235	.233	.231	.228	.224
14500	.260	.258	.255	.252	.250	.247	.245	.242	.240	.238	.236	.233	.231	.229	.226	.222
15000	.258	.255	.252	.250	.247	.245	.243	.240	.238	.236	.234	.231	.229	.227	.225	.221
15500	.255	.253	.250	.248	.245	.243	.240	.238	.236	.234	.231	.229	.227	.225	.223	.219
16000	.253	.250	.248	.245	.243	.240	.238	.236	.234	.231	.229	.227	.225	.223	.221	.217
17000	.248	.246	.243	.241	.239	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.214
18000	.244	.241	.239	.237	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.210
19000	.240	.237	.235	.233	.231	.228	.226	.224	.222	.220	.218	.216	.214	.213	.211	.207
20000	.235	.233	.231	.229	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209	.208	.204
21000	.231	.229	.227	.225	.223	.221	.219	.217	.215	.213	.211	.210	.208	.207	.205	.201
22000	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.207	.205	.204	.202	.198
23000	.224	.222	.220	.218	.216	.214	.212	.211	.209	.207	.205	.204	.202	.201	.199	.195
24000	.220	.218	.217	.215	.213	.211	.209	.207	.206	.204	.203	.201	.199	.198	.196	.192
25000	.217	.215	.213	.211	.209	.208	.206	.204	.203	.201	.200	.198	.197	.195	.194	.190
26000	.214	.212	.210	.208	.206	.205	.203	.201	.200	.198	.197	.195	.194	.192	.191	.187
27000	.210	.209	.207	.205	.203	.202	.200	.199	.197	.196	.194	.193	.191	.190	.188	.184
28000	.207	.206	.204	.202	.201	.199	.197	.196	.194	.193	.191	.190	.188	.187	.185	.181
29000	.204	.203	.201	.199	.197	.196	.194	.193	.191	.190	.188	.187	.185	.184	.182	.178
30000	.201	.200	.198	.196	.194	.193	.191	.190	.188	.187	.185	.184	.182	.181	.179	.175
31000	.199	.197	.195	.194	.192	.191	.189	.188	.187	.185	.184	.183	.181	.180	.178	.174
32000	.196	.194	.193	.191	.190	.188	.187	.185	.184	.183	.181	.180	.178			

BETA= 20.0 DEGREES

DELTA= 10.0 DEGREES

G-247

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.443															
200	.433	.420														
300	.425	.413	.403													
400	.418	.407	.397	.388												
500	.412	.402	.392	.384	.376											
600	.407	.397	.388	.380	.372	.365										
700	.402	.393	.384	.376	.369	.362	.355									
800	.397	.389	.380	.373	.365	.359	.352	.346								
900	.393	.385	.377	.369	.362	.356	.349	.343	.337							
1000	.390	.381	.374	.366	.360	.353	.347	.341	.335	.329						
1100	.386	.378	.371	.364	.357	.351	.344	.338	.333	.327	.322					
1200	.383	.375	.368	.361	.354	.348	.342	.336	.331	.325	.320	.315				
1300	.380	.372	.365	.358	.352	.346	.340	.334	.329	.323	.318	.313	.309			
1400	.377	.370	.363	.356	.350	.344	.338	.332	.327	.322	.317	.312	.307	.303		
1500	.374	.367	.360	.354	.347	.342	.336	.330	.325	.320	.315	.310	.305	.301	.297	
1600	.372	.365	.358	.351	.345	.340	.334	.328	.323	.318	.313	.308	.303	.299	.295	.291
1700	.369	.362	.356	.349	.343	.338	.332	.327	.322	.317	.312	.307	.302	.298	.294	.290
1800	.367	.360	.353	.347	.341	.336	.330	.325	.320	.315	.310	.305	.300	.296	.292	.288
1900	.364	.358	.351	.345	.339	.334	.329	.323	.318	.313	.309	.304	.300	.296	.292	.288
2000	.362	.356	.349	.343	.338	.332	.327	.322	.317	.312	.307	.303	.299	.295	.291	.287
2100	.360	.353	.347	.342	.336	.330	.325	.320	.315	.311	.306	.302	.298	.294	.290	.286
2200	.358	.351	.345	.340	.334	.329	.324	.319	.314	.309	.305	.300	.296	.292	.288	.284
2300	.356	.350	.344	.338	.332	.327	.322	.317	.312	.308	.303	.299	.295	.291	.287	.283
2400	.354	.348	.342	.336	.331	.326	.321	.316	.311	.306	.302	.298	.294	.290	.286	.282
2500	.352	.346	.340	.335	.329	.324	.319	.314	.310	.305	.301	.296	.292	.288	.284	.280
2600	.350	.344	.338	.333	.328	.323	.318	.313	.308	.304	.300	.295	.291	.287	.283	.279
2700	.348	.342	.337	.331	.326	.321	.316	.312	.307	.303	.299	.294	.290	.286	.282	.278
2800	.346	.341	.335	.330	.325	.320	.315	.310	.306	.301	.297	.293	.289	.285	.281	.277
2900	.345	.339	.334	.328	.323	.318	.314	.309	.304	.300	.296	.292	.288	.284	.280	.276
3000	.343	.337	.332	.327	.322	.317	.312	.308	.303	.299	.295	.291	.287	.283	.279	.275
3100	.341	.336	.331	.325	.320	.316	.311	.306	.302	.298	.294	.290	.286	.282	.278	.274
3200	.340	.334	.329	.324	.319	.314	.310	.305	.301	.297	.293	.289	.285	.281	.277	.273
3400	.337	.331	.326	.321	.316	.312	.307	.303	.299	.294	.290	.286	.282	.278	.274	.270
3600	.334	.328	.323	.319	.314	.309	.305	.300	.296	.292	.288	.284	.280	.276	.272	.268
3800	.331	.326	.321	.316	.311	.307	.302	.298	.294	.290	.286	.282	.278	.274	.270	.266
4000	.328	.323	.318	.313	.309	.304	.300	.296	.292	.288	.284	.280	.276	.272	.268	.264
4200	.325	.320	.316	.311	.306	.302	.298	.294	.290	.286	.282	.278	.274	.270	.266	.262
4400	.323	.318	.313	.309	.304	.300	.296	.292	.288	.284	.280	.277	.273	.269	.265	.261
4600	.320	.315	.311	.306	.302	.298	.294	.290	.286	.282	.278	.275	.271	.267	.263	.259
4800	.317	.313	.308	.304	.300	.296	.292	.288	.284	.280	.277	.273	.269	.265	.261	.257
5000	.315	.310	.306	.302	.297	.293	.289	.286	.282	.278	.275	.271	.267	.263	.259	.255
5200	.312	.308	.304	.299	.295	.291	.287	.284	.280	.276	.273	.269	.265	.261	.257	.253
5400	.310	.306	.301	.297	.293	.289	.285	.282	.278	.274	.271	.267	.263	.259	.255	.251
5600	.308	.303	.299	.295	.291	.287	.283	.280	.276	.273	.269	.265	.261	.257	.253	.249
5800	.305	.301	.297	.293	.289	.285	.282	.278	.274	.271	.267	.263	.259	.255	.251	.247
6000	.303	.299	.295	.291	.287	.283	.280	.276	.273	.269	.265	.261	.257	.253	.249	.245
6200	.301	.297	.293	.289	.285	.281	.278	.274	.271	.267	.263	.259	.255	.251	.247	.243
6400	.299	.295	.291	.287	.283	.279	.276	.272	.269	.265	.261	.257	.253	.249	.245	.241
6600	.297	.293	.289	.285	.281	.278	.274	.271	.267	.263	.259	.255	.251	.247	.243	.239
6800	.295	.291	.287	.283	.279	.276	.272	.269	.265	.261	.257	.253	.249	.245	.241	.237
7000	.292	.288	.285	.281	.277	.274	.270	.267	.263	.259	.255	.251	.247	.243	.239	.235
7200	.290	.286	.283	.279	.276	.272	.269	.265	.262	.259	.255	.251	.247	.243	.239	.235
7400	.288	.284	.281	.277	.274	.270	.267	.263	.260	.257	.253	.249	.245	.241	.237	.233
7600	.286	.282	.279	.275	.272	.268	.265	.262	.259	.255	.251	.247	.243	.239	.235	.231
7800	.284	.280	.277	.273	.270	.267	.263	.260	.257	.253	.249	.245	.241	.237	.233	.229
8000	.282	.279	.275	.272	.268	.265	.262	.259	.255	.252	.248	.244	.240	.236	.232	.228
8500	.277	.274	.270	.267	.264	.261	.257	.254	.251	.248	.244	.240	.236	.232	.228	.224
9000	.273	.269	.266	.263	.259	.256	.253	.250	.247	.243	.240	.236	.232	.228	.224	.220
9500	.268	.265	.261	.258	.255	.252	.249	.246	.243	.241	.238	.235	.232	.228	.224	.220
10000	.263	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.232	.229	.225	.221	.217
10500	.259	.256	.253	.250	.247	.244	.241	.238	.236	.233	.230	.228	.225	.222	.218	.214
11000	.254	.251	.248	.245	.242	.240	.237	.234	.232	.229	.227	.224	.222	.219	.215	.211
11500	.250	.247	.244	.241	.238	.236	.233	.230	.228	.226	.223	.221	.218	.216	.213	.210
12000	.246	.243	.240	.237	.234	.232	.229	.227	.224	.222	.219	.217	.215	.213	.211	.208
12500	.241	.238	.236	.233	.230	.228	.225	.223	.220	.218	.216	.214	.211	.209	.207	.205
13000	.237	.234	.232	.229	.226	.224	.222	.219	.217	.214	.212	.210	.208	.206	.204	.202
13500	.233	.230	.228	.225	.223	.220	.218	.215	.213	.211	.209	.207	.204	.202	.200	.198
14000	.229	.226	.224	.221	.219	.216	.214	.212	.209	.207	.205	.203	.201	.199	.197	.195
14500	.225	.222	.220	.217	.215	.212	.210	.208	.206	.204	.202	.200	.198	.196	.194	.192
15000	.221	.218	.216	.213	.211	.209	.207	.204	.202	.200	.198	.196	.194	.192	.190	.188
15500	.217	.214	.212	.209	.207	.205	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185
16000	.213	.210	.208	.206	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185	.183	.181
17000	.205	.202	.200	.198	.196	.194	.192	.190	.188	.186	.184	.182	.181	.179	.177	.175
18000	.197	.195	.193	.191	.189	.187	.185	.183	.181	.179	.177	.175	.174	.172	.170	.169
19000	.189	.187	.185	.183	.181	.179	.177	.176	.174	.172	.170	.169	.167	.165	.164	.162
20000	.182	.180	.178	.176	.174	.172	.170	.168	.167	.165	.163	.162	.160	.159	.157	.156
21000	.174	.172	.170	.168	.167	.165	.163	.161	.160	.158	.156	.155	.153	.152	.150	.149
22000	.166	.165	.163	.161	.159	.158	.156	.154	.153	.151	.150	.148	.147	.145	.144	.142
23000	.159	.157	.155	.154	.152	.150	.149	.147	.146	.144	.143	.141	.140	.138	.137	.136
24000	.151	.150	.148	.146	.145	.143	.141	.140	.138	.137	.135	.134	.133	.131	.130	.129
25000	.144	.142	.140	.139	.137	.136	.134	.133	.131	.130	.128	.127	.126	.124	.123	.122
26000	.136	.134	.133	.131	.130	.128	.127	.125	.124	.122	.121	.120	.118	.117	.116	.115
27000	.128	.127	.125	.123	.122	.120	.119	.118	.116	.115	.113	.112	.111	.110	.108	.107
28000	.120	.119	.117	.116	.114	.113	.111	.110	.108	.107	.106	.104	.103	.102	.101	.100
29000	.112	.111	.109	.108	.106	.105	.103	.102	.100	.099	.098	.096	.095	.094	.093	.092
30000	.104	.102	.101	.099	.098	.096	.095	.093	.092	.091	.089	.088	.087	.086	.084	.083
31000	.095	.094	.092	.091	.089	.087	.086	.085	.083	.082	.081	.079	.078	.077	.075	.074
32000	.086	.085	.083													

BETA= 20.0 DEGREES DELTA= 20.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.440															
200	.429	.416														
300	.420	.408	.398													
400	.413	.402	.392	.383												
500	.406	.396	.386	.378	.370											
600	.400	.390	.381	.373	.365	.358										
700	.395	.385	.377	.369	.361	.354	.347									
800	.390	.381	.372	.365	.357	.350	.344	.338								
900	.385	.376	.368	.361	.354	.347	.341	.334	.329							
1000	.381	.372	.365	.357	.350	.344	.338	.332	.326	.320						
1100	.376	.368	.361	.354	.347	.341	.335	.329	.323	.318	.312					
1200	.373	.365	.358	.351	.344	.338	.332	.326	.320	.315	.310	.305				
1300	.369	.361	.354	.347	.341	.335	.329	.323	.318	.313	.308	.303	.298			
1400	.365	.358	.351	.344	.338	.332	.326	.321	.315	.310	.305	.301	.296	.291		
1500	.362	.355	.348	.342	.335	.329	.324	.318	.313	.308	.303	.298	.294	.289	.285	
1600	.359	.352	.345	.339	.333	.327	.321	.316	.311	.306	.301	.296	.292	.287	.283	.279
1700	.355	.349	.342	.336	.330	.324	.319	.314	.309	.304	.299	.295	.290	.286	.282	.278
1800	.352	.346	.339	.333	.327	.322	.317	.311	.306	.302	.297	.293	.288	.284	.280	.276
1900	.349	.343	.337	.331	.325	.320	.314	.309	.304	.299	.295	.290	.286	.282	.278	.274
2000	.347	.340	.334	.328	.323	.317	.312	.307	.302	.297	.293	.288	.284	.280	.276	.272
2100	.344	.337	.331	.326	.320	.315	.310	.305	.300	.295	.291	.287	.283	.279	.275	.271
2200	.341	.335	.329	.323	.318	.313	.308	.303	.298	.293	.289	.285	.281	.277	.273	.269
2300	.338	.332	.326	.321	.316	.310	.305	.301	.296	.291	.287	.283	.279	.275	.271	.267
2400	.336	.330	.324	.319	.313	.308	.303	.299	.294	.289	.285	.281	.277	.273	.270	.266
2500	.333	.327	.322	.316	.311	.306	.301	.297	.292	.288	.283	.279	.275	.271	.267	.264
2600	.331	.325	.319	.314	.309	.304	.299	.295	.290	.286	.281	.277	.273	.270	.266	.262
2700	.328	.322	.317	.312	.307	.302	.297	.293	.288	.284	.280	.276	.272	.268	.264	.261
2800	.326	.320	.315	.310	.305	.300	.295	.291	.286	.282	.278	.274	.270	.266	.263	.259
2900	.323	.318	.313	.307	.302	.298	.293	.289	.284	.280	.276	.272	.268	.265	.261	.257
3000	.321	.316	.310	.305	.300	.296	.291	.287	.282	.278	.274	.270	.267	.263	.259	.256
3100	.319	.313	.308	.303	.298	.294	.289	.285	.281	.277	.273	.269	.265	.261	.258	.254
3200	.316	.311	.306	.301	.296	.292	.287	.283	.279	.275	.271	.267	.263	.260	.256	.253
3400	.312	.307	.302	.297	.292	.288	.283	.279	.275	.271	.267	.264	.260	.256	.253	.250
3600	.307	.302	.297	.293	.288	.284	.280	.276	.272	.268	.264	.261	.257	.253	.250	.247
3800	.303	.298	.293	.289	.284	.280	.276	.272	.268	.264	.261	.257	.254	.250	.247	.244
4000	.299	.294	.289	.285	.280	.276	.272	.268	.264	.261	.257	.254	.250	.247	.244	.241
4200	.294	.290	.285	.281	.277	.272	.269	.265	.261	.257	.254	.250	.247	.244	.241	.237
4400	.290	.285	.281	.277	.273	.269	.265	.261	.257	.254	.250	.247	.244	.241	.237	.234
4600	.286	.281	.277	.273	.269	.265	.261	.258	.254	.250	.247	.244	.241	.237	.234	.231
4800	.282	.277	.273	.269	.265	.261	.258	.254	.250	.247	.244	.240	.237	.234	.231	.228
5000	.278	.273	.269	.265	.261	.258	.254	.250	.247	.244	.240	.237	.234	.231	.228	.225
5200	.273	.269	.265	.261	.257	.254	.250	.247	.243	.240	.237	.234	.231	.228	.225	.222
5400	.269	.265	.261	.257	.254	.250	.247	.243	.240	.237	.234	.230	.227	.224	.221	.219
5600	.265	.261	.257	.254	.250	.246	.243	.240	.236	.233	.230	.227	.224	.221	.218	.216
5800	.261	.257	.253	.250	.246	.243	.239	.236	.233	.230	.227	.224	.221	.218	.215	.213
6000	.257	.253	.249	.246	.242	.239	.236	.232	.229	.226	.223	.220	.217	.214	.212	.210
6200	.253	.249	.245	.242	.238	.235	.232	.229	.226	.223	.220	.217	.214	.212	.209	.206
6400	.249	.245	.241	.238	.235	.231	.228	.225	.222	.219	.216	.214	.211	.208	.206	.203
6600	.245	.241	.237	.234	.231	.228	.224	.221	.218	.216	.213	.210	.207	.205	.202	.200
6800	.240	.237	.233	.230	.227	.224	.221	.218	.215	.212	.209	.207	.204	.201	.199	.196
7000	.236	.233	.229	.226	.223	.220	.217	.214	.211	.208	.206	.203	.200	.198	.196	.193
7200	.232	.229	.225	.222	.219	.216	.213	.210	.207	.205	.202	.199	.197	.194	.192	.190
7400	.228	.224	.221	.218	.215	.212	.209	.206	.204	.201	.198	.196	.193	.191	.189	.186
7600	.223	.220	.217	.214	.211	.208	.205	.202	.200	.197	.195	.192	.190	.187	.185	.183
7800	.219	.216	.213	.210	.207	.204	.201	.199	.196	.193	.191	.188	.186	.184	.182	.179
8000	.215	.212	.209	.206	.203	.200	.197	.195	.192	.190	.187	.185	.182	.180	.178	.176
8500	.204	.201	.198	.195	.192	.190	.187	.184	.182	.180	.177	.175	.173	.171	.169	.166
9000	.192	.190	.187	.184	.181	.179	.176	.174	.172	.169	.167	.165	.163	.161	.159	.157
9500	.181	.178	.175	.173	.170	.168	.165	.163	.161	.159	.156	.154	.152	.150	.149	.147
10000	.168	.166	.163	.161	.158	.156	.154	.151	.149	.147	.145	.143	.141	.139	.138	.136
10500	.155	.153	.150	.148	.146	.143	.141	.139	.137	.135	.133	.131	.129	.128	.126	.124
11000	.141	.139	.137	.134	.132	.130	.128	.126	.124	.122	.120	.118	.117	.115	.113	.112
11500	.126	.124	.122	.119	.117	.115	.113	.111	.109	.107	.106	.104	.102	.101	.099	.097
12000	.110	.107	.105	.103	.101	.099	.097	.095	.093	.091	.089	.087	.086	.084	.083	.081
12500	.090	.088	.086	.083	.081	.079	.077	.075	.073	.071	.069	.067	.066	.064	.062	.061
13000	.066	.063	.061	.058	.055	.053	.050	.048	.046	.043	.041	.038	.036	.034	.031	.029
13500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 20.0 DEGREES DELTA= 50.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.412															
200	.351	.376														
300	.373	.359	.347													
400	.357	.344	.333	.323												
500	.341	.330	.320	.310	.302											
600	.326	.316	.306	.298	.290	.282										
700	.312	.302	.293	.285	.278	.271	.264									
800	.297	.288	.280	.273	.266	.259	.253	.247								
900	.283	.275	.267	.260	.253	.247	.241	.235	.230							
1000	.269	.261	.253	.247	.240	.235	.229	.224	.219	.214						
1100	.254	.246	.240	.233	.227	.222	.217	.212	.207	.202	.198					
1200	.235	.232	.225	.219	.214	.209	.204	.199	.194	.190	.186	.182				
1300	.223	.217	.211	.205	.200	.195	.190	.186	.181	.177	.173	.170	.166			
1400	.207	.201	.195	.190	.185	.180	.176	.171	.167	.164	.160	.157	.153	.150		
1500	.189	.183	.178	.173	.168	.164	.160	.156	.152	.149	.145	.142	.139	.136	.133	
1600	.170	.165	.160	.155	.151	.147	.143	.139	.136	.132	.129	.126	.123	.121	.118	.115
1700	.149	.144	.139	.135	.131	.127	.123	.120	.117	.114	.111	.108	.105	.103	.100	.098
1800	.125	.120	.116	.111	.108	.104	.100	.097	.094	.091	.088	.086	.083	.081	.079	.077
1900	.095	.090	.086	.082	.078	.074	.071	.067	.064	.061	.058	.056	.053	.051	.048	.046
2000	.051	.044	.038	.031	.024	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2100	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 20.0 DEGREES DELTA= 60.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.386															
200	.354	.337														
300	.325	.310	.298													
400	.297	.284	.273	.263												
500	.268	.257	.247	.238	.231											
600	.238	.229	.220	.212	.205	.198										
700	.207	.198	.190	.183	.177	.171	.166									
800	.170	.163	.156	.150	.144	.139	.134	.130								
900	.126	.119	.113	.108	.102	.098	.093	.089	.086							
1000	.056	.048	.035	.030	.019	.000	.000	.000	.000	.000						
1100	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000					

BETA= 20.0 DEGREES DELTA= 70.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.329															
200	.264	.246														
300	.191	.177	.166													
400	.078	.066	.055	.045												
500	.000	.000	.000	.000	.000											

BETA= 40.0 DEGREES DELTA= 0.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
KA*																
100	.444															
200	.434	.421														
300	.426	.414	.404													
400	.419	.408	.399	.390												
500	.413	.403	.394	.385	.378											
600	.408	.398	.389	.381	.374	.367										
700	.403	.394	.385	.378	.370	.364	.357									
800	.399	.390	.382	.374	.367	.360	.354	.348								
900	.395	.386	.378	.371	.364	.357	.351	.345	.340							
1000	.391	.383	.375	.368	.361	.355	.349	.343	.337	.332						
1100	.388	.379	.372	.365	.358	.352	.346	.341	.335	.330	.325					
1200	.384	.376	.369	.362	.356	.350	.344	.338	.333	.328	.323	.318				
1300	.381	.373	.366	.359	.353	.347	.341	.336	.331	.326	.321	.316	.312			
1400	.378	.370	.363	.357	.351	.345	.339	.334	.329	.324	.319	.315	.310	.306		
1500	.375	.368	.361	.354	.348	.343	.337	.332	.327	.322	.317	.313	.309	.305	.301	.300
1600	.372	.365	.358	.352	.346	.341	.335	.330	.325	.320	.316	.311	.307	.303	.299	.299
1700	.370	.363	.356	.350	.344	.338	.333	.328	.323	.319	.314	.310	.305	.301	.297	.297
1800	.367	.360	.354	.348	.342	.337	.331	.326	.321	.317	.312	.308	.304	.300	.296	.296
1900	.365	.358	.352	.346	.340	.335	.329	.325	.320	.315	.311	.307	.303	.299	.295	.295
2000	.362	.356	.349	.344	.338	.333	.328	.323	.318	.314	.309	.305	.301	.297	.293	.293
2100	.360	.354	.347	.342	.336	.331	.326	.321	.317	.312	.308	.304	.300	.296	.292	.292
2200	.358	.351	.345	.340	.334	.329	.324	.319	.315	.310	.306	.302	.298	.294	.290	.290
2300	.356	.349	.343	.338	.333	.327	.323	.318	.313	.309	.305	.301	.297	.293	.289	.289
2400	.354	.347	.342	.336	.331	.326	.321	.316	.312	.308	.304	.300	.296	.292	.288	.288
2500	.351	.345	.340	.334	.329	.324	.319	.315	.310	.306	.302	.298	.294	.290	.286	.286
2600	.349	.343	.338	.332	.327	.323	.318	.313	.309	.305	.301	.297	.293	.289	.285	.285
2700	.347	.342	.336	.331	.326	.321	.316	.312	.308	.304	.300	.296	.292	.288	.284	.284
2800	.346	.340	.334	.329	.324	.319	.315	.311	.306	.302	.298	.294	.290	.286	.282	.282
2900	.344	.338	.333	.327	.323	.318	.313	.309	.305	.301	.297	.293	.289	.285	.281	.281
3000	.342	.336	.331	.326	.321	.316	.312	.308	.304	.300	.296	.292	.288	.284	.280	.280
3100	.340	.335	.329	.324	.320	.315	.311	.306	.302	.298	.294	.290	.286	.282	.278	.278
3200	.338	.333	.328	.323	.318	.314	.309	.305	.301	.297	.293	.289	.285	.281	.277	.277
3400	.335	.330	.325	.320	.315	.311	.307	.302	.299	.295	.291	.287	.283	.279	.275	.275
3600	.332	.326	.322	.317	.312	.308	.304	.300	.296	.292	.289	.285	.281	.277	.273	.273
3800	.328	.323	.319	.314	.310	.305	.301	.298	.294	.290	.286	.283	.280	.276	.272	.272
4000	.325	.320	.316	.311	.307	.303	.299	.295	.291	.288	.284	.281	.278	.274	.270	.270
4200	.322	.317	.313	.309	.304	.300	.297	.293	.289	.286	.282	.279	.276	.272	.269	.269
4400	.319	.315	.311	.306	.302	.298	.294	.291	.287	.284	.280	.277	.274	.271	.268	.268
4600	.316	.312	.308	.303	.300	.296	.292	.288	.285	.281	.278	.275	.272	.269	.266	.266
4800	.314	.309	.305	.301	.297	.293	.290	.286	.283	.279	.276	.273	.270	.267	.264	.264
5000	.311	.307	.303	.299	.295	.291	.288	.284	.281	.277	.274	.271	.268	.265	.262	.262
5200	.308	.304	.300	.296	.292	.289	.285	.282	.279	.275	.272	.269	.266	.263	.261	.261
5400	.306	.302	.298	.294	.290	.287	.283	.280	.277	.274	.270	.267	.264	.261	.258	.258
5600	.303	.299	.295	.292	.288	.285	.281	.278	.275	.272	.269	.266	.263	.260	.257	.257
5800	.301	.297	.293	.289	.286	.282	.279	.276	.273	.270	.267	.264	.261	.258	.255	.255
6000	.298	.295	.291	.287	.284	.280	.277	.274	.271	.268	.265	.262	.259	.257	.254	.254
6200	.296	.292	.289	.285	.282	.278	.275	.272	.269	.266	.263	.261	.258	.255	.252	.252
6400	.294	.290	.286	.283	.280	.276	.273	.270	.267	.264	.262	.259	.256	.254	.251	.251
6600	.291	.288	.284	.281	.278	.274	.271	.268	.266	.263	.260	.257	.255	.252	.249	.249
6800	.289	.286	.282	.279	.276	.273	.270	.267	.264	.261	.258	.256	.253	.250	.248	.248
7000	.287	.283	.280	.277	.274	.271	.268	.265	.262	.259	.257	.254	.251	.249	.246	.246
7200	.285	.281	.278	.275	.272	.269	.266	.263	.260	.258	.255	.252	.250	.247	.245	.245
7400	.283	.279	.276	.273	.270	.267	.264	.261	.259	.256	.253	.251	.248	.246	.243	.243
7600	.281	.277	.274	.271	.268	.265	.262	.260	.257	.254	.252	.249	.247	.244	.242	.242
7800	.279	.275	.272	.269	.266	.263	.261	.258	.255	.253	.250	.248	.245	.243	.241	.241
8000	.277	.273	.270	.267	.264	.262	.259	.256	.254	.251	.249	.246	.244	.242	.239	.239
8500	.272	.269	.266	.263	.260	.257	.255	.252	.250	.247	.245	.243	.240	.238	.236	.236
9000	.267	.264	.261	.258	.256	.253	.251	.248	.246	.243	.241	.239	.237	.235	.232	.232
9500	.262	.260	.257	.254	.252	.249	.247	.244	.242	.240	.238	.235	.233	.231	.229	.229
10000	.258	.255	.253	.250	.248	.245	.243	.241	.238	.236	.234	.232	.230	.228	.226	.226
10500	.254	.251	.249	.246	.244	.242	.239	.237	.235	.233	.231	.229	.227	.225	.223	.223
11000	.249	.247	.245	.242	.240	.238	.236	.234	.231	.229	.227	.226	.224	.222	.220	.220
11500	.245	.243	.241	.239	.236	.234	.232	.230	.228	.226	.224	.222	.221	.219	.217	.217
12000	.242	.239	.237	.235	.233	.231	.229	.227	.225	.223	.221	.219	.218	.216	.214	.214
12500	.238	.236	.233	.231	.229	.227	.225	.224	.222	.220	.218	.216	.215	.213	.211	.211
13000	.234	.232	.230	.228	.226	.224	.222	.220	.219	.217	.215	.213	.212	.210	.209	.209
13500	.231	.229	.227	.225	.223	.221	.219	.217	.216	.214	.212	.211	.209	.207	.206	.206
14000	.227	.225	.223	.221	.220	.218	.216	.214	.213	.211	.209	.208	.206	.205	.203	.203
14500	.224	.222	.220	.218	.216	.215	.213	.211	.210	.208	.207	.205	.204	.202	.201	.201
15000	.220	.219	.217	.215	.213	.212	.210	.209	.207	.206	.204	.203	.201	.200	.198	.198
15500	.217	.215	.214	.212	.210	.209	.207	.206	.204	.203	.201	.200	.198	.197	.196	.196
16000	.214	.212	.211	.209	.208	.206	.205	.203	.202	.200	.199	.197	.196	.195	.193	.193
17000	.208	.207	.205	.204	.202	.201	.199	.198	.196	.195	.194	.192	.191	.190	.188	.188
18000	.202	.201	.200	.198	.197	.195	.194	.193	.191	.190	.189	.188	.186	.185	.184	.184
19000	.197	.196	.194	.193	.192	.190	.189	.188	.187	.186	.184	.183	.182	.181	.179	.179
20000	.192	.191	.189	.188	.187	.186	.184	.183	.182	.181	.180	.179	.178	.177	.176	.176
21000	.187	.186	.185	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.172
22000	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.168
23000	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.164
24000	.173	.172	.171	.170	.169	.169	.168	.167	.166	.165	.164	.163	.162	.161	.161	.161
25000	.169	.168	.167	.166	.166	.165	.164	.163	.162	.161	.160	.160	.159	.158	.157	.157
26000	.165	.164	.164	.163	.162	.161	.160	.159	.159	.158	.157	.156	.155	.155	.154	.154
27000	.161	.161	.160	.159	.158	.157	.157	.156	.155	.154	.154	.153	.152	.151	.151	.151
28000	.158	.157	.156	.155	.155	.154	.153	.153	.152	.151	.150	.150	.149	.148	.148	.147
29000	.154	.154	.153	.152	.151	.151	.150	.149	.149	.148	.147	.147	.146	.145	.145	.144
30000	.151	.150	.149	.149	.148	.147	.147	.146	.146	.145	.144	.144	.143	.142	.142	.141
31000	.148	.147	.146	.146	.145	.144	.144	.143	.143	.142	.141	.141	.140	.140	.139	.138
32000	.144	.144	.143	.143	.142	.141	.141	.140	.140	.139	.139	.138	.137	.137	.136	.

BETA= 4C.0 DEGREES DELTA= 1C.0 DEGREES

#RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.443															
200	.433	.420														
300	.425	.413	.403													
400	.418	.407	.397	.388												
500	.412	.401	.392	.384	.376											
600	.406	.396	.387	.379	.372	.365										
700	.401	.392	.383	.375	.368	.361	.355									
800	.397	.387	.379	.372	.365	.358	.352	.346								
900	.393	.384	.376	.368	.361	.355	.349	.343	.337							
1000	.389	.380	.372	.365	.358	.352	.346	.340	.335	.329						
1100	.385	.377	.369	.362	.355	.349	.343	.338	.332	.327	.322					
1200	.381	.373	.366	.359	.352	.346	.341	.335	.330	.325	.320	.315				
1300	.378	.370	.363	.356	.350	.344	.338	.333	.328	.323	.318	.313	.309			
1400	.375	.367	.360	.353	.347	.341	.336	.331	.325	.320	.316	.311	.307	.303		
1500	.372	.364	.357	.351	.345	.339	.334	.328	.323	.318	.314	.309	.305	.301	.297	
1600	.369	.362	.355	.348	.342	.337	.331	.326	.321	.317	.312	.307	.303	.300	.296	.292
1700	.366	.359	.352	.346	.340	.335	.329	.324	.319	.315	.310	.306	.302	.298	.294	.290
1800	.363	.356	.350	.344	.338	.333	.327	.322	.317	.313	.308	.304	.300	.296	.292	.288
1900	.361	.354	.347	.341	.336	.330	.325	.320	.316	.311	.307	.302	.298	.294	.290	.287
2000	.358	.351	.345	.339	.334	.328	.323	.319	.314	.309	.305	.301	.297	.293	.289	.285
2100	.356	.349	.343	.337	.332	.326	.321	.317	.312	.308	.303	.299	.295	.291	.287	.284
2200	.353	.347	.341	.335	.330	.325	.320	.315	.310	.306	.302	.298	.294	.290	.286	.282
2300	.351	.345	.339	.333	.328	.323	.318	.313	.309	.304	.300	.296	.292	.288	.284	.281
2400	.349	.343	.337	.331	.326	.321	.316	.311	.307	.302	.298	.294	.290	.286	.282	.278
2500	.346	.340	.334	.329	.324	.319	.314	.309	.305	.301	.297	.293	.289	.285	.281	.277
2600	.344	.338	.333	.327	.322	.317	.311	.307	.302	.298	.294	.290	.286	.282	.278	.274
2700	.342	.336	.331	.325	.320	.315	.310	.305	.301	.297	.293	.289	.285	.281	.277	.273
2800	.340	.334	.329	.324	.319	.314	.309	.305	.301	.297	.293	.289	.285	.281	.277	.273
2900	.338	.332	.327	.322	.317	.312	.308	.304	.299	.295	.291	.288	.284	.280	.276	.272
3000	.336	.330	.325	.320	.315	.311	.306	.302	.298	.294	.290	.286	.282	.278	.274	.270
3100	.334	.328	.323	.318	.314	.309	.305	.301	.296	.292	.288	.284	.280	.276	.272	.268
3200	.332	.327	.322	.317	.312	.308	.303	.299	.295	.291	.287	.283	.279	.275	.271	.267
3400	.328	.323	.318	.313	.309	.304	.300	.296	.292	.288	.284	.280	.276	.272	.268	.264
3600	.325	.320	.315	.310	.306	.301	.297	.293	.289	.285	.281	.277	.273	.269	.265	.261
3800	.321	.316	.312	.307	.303	.299	.295	.291	.287	.283	.280	.276	.272	.268	.264	.260
4000	.318	.313	.308	.304	.300	.296	.292	.288	.284	.281	.277	.273	.269	.265	.261	.257
4200	.315	.310	.305	.301	.297	.293	.289	.285	.282	.278	.275	.271	.267	.263	.259	.255
4400	.311	.307	.302	.298	.294	.290	.286	.283	.279	.276	.272	.268	.264	.260	.256	.252
4600	.308	.304	.300	.295	.291	.288	.284	.280	.277	.273	.270	.266	.262	.258	.254	.250
4800	.305	.301	.297	.293	.289	.285	.281	.278	.274	.271	.267	.263	.259	.255	.251	.247
5000	.302	.298	.294	.290	.286	.282	.279	.275	.272	.269	.265	.261	.257	.253	.249	.245
5200	.299	.295	.291	.287	.284	.280	.276	.273	.270	.267	.263	.259	.255	.251	.247	.243
5400	.296	.292	.288	.285	.281	.277	.274	.271	.268	.264	.261	.257	.253	.249	.245	.241
5600	.294	.290	.286	.282	.279	.275	.272	.268	.265	.262	.259	.255	.251	.247	.243	.239
5800	.291	.287	.283	.280	.276	.273	.269	.266	.263	.260	.257	.254	.251	.247	.243	.239
6000	.288	.284	.281	.277	.274	.270	.267	.264	.261	.258	.255	.252	.248	.244	.240	.236
6200	.286	.282	.278	.275	.271	.268	.265	.262	.259	.256	.253	.250	.246	.242	.238	.234
6400	.283	.279	.276	.272	.269	.266	.263	.260	.257	.254	.251	.248	.244	.241	.237	.233
6600	.280	.277	.273	.270	.267	.264	.261	.258	.255	.252	.249	.246	.242	.238	.234	.230
6800	.278	.274	.271	.268	.264	.261	.258	.255	.253	.250	.247	.244	.240	.236	.232	.228
7000	.275	.272	.269	.265	.262	.259	.256	.253	.250	.248	.245	.242	.238	.234	.230	.226
7200	.272	.270	.266	.263	.260	.257	.254	.251	.248	.246	.243	.240	.236	.232	.228	.224
7400	.271	.267	.264	.261	.258	.255	.252	.249	.247	.244	.241	.238	.234	.230	.226	.222
7600	.268	.265	.262	.259	.256	.253	.250	.247	.245	.242	.239	.237	.233	.229	.225	.221
7800	.266	.263	.259	.256	.254	.251	.248	.245	.243	.240	.238	.235	.233	.229	.225	.221
8000	.264	.260	.257	.254	.251	.249	.246	.243	.241	.238	.236	.233	.231	.227	.223	.219
8500	.258	.255	.252	.249	.246	.244	.241	.239	.236	.234	.231	.229	.227	.222	.218	.214
9000	.253	.250	.247	.244	.241	.239	.236	.234	.231	.229	.227	.225	.222	.218	.214	.210
9500	.247	.244	.242	.239	.237	.234	.232	.229	.227	.225	.223	.220	.218	.216	.212	.208
10000	.242	.240	.237	.234	.232	.230	.227	.225	.223	.221	.219	.216	.214	.212	.208	.204
10500	.237	.235	.232	.230	.227	.225	.223	.221	.219	.216	.214	.212	.210	.208	.204	.200
11000	.233	.230	.228	.225	.223	.221	.219	.217	.214	.212	.210	.208	.207	.205	.203	.201
11500	.228	.225	.223	.221	.219	.217	.214	.212	.210	.208	.207	.205	.203	.201	.199	.197
12000	.223	.221	.219	.217	.215	.213	.210	.208	.206	.205	.203	.201	.199	.197	.195	.193
12500	.219	.217	.215	.213	.210	.208	.206	.205	.203	.201	.199	.197	.195	.193	.191	.189
13000	.215	.213	.211	.208	.206	.205	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185
13500	.211	.209	.207	.205	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185	.183	.181
14000	.207	.205	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185	.183	.181	.179	.177
14500	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173
15000	.199	.197	.195	.193	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169
15500	.195	.193	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165
16000	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.163	.161
17000	.185	.183	.181	.180	.178	.176	.175	.173	.172	.171	.169	.168	.166	.165	.163	.161
18000	.178	.176	.175	.173	.172	.170	.169	.167	.166	.165	.163	.162	.161	.159	.158	.157
19000	.172	.170	.168	.167	.166	.164	.163	.161	.160	.159	.158	.156	.155	.154	.153	.151
20000	.165	.164	.163	.161	.160	.158	.157	.156	.155	.153	.152	.151	.150	.148	.147	.146
21000	.160	.158	.157	.156	.154	.153	.152	.150	.149	.148	.147	.146	.145	.143	.142	.141
22000	.154	.153	.152	.150	.149	.148	.147	.145	.144	.143	.142	.141	.140	.138	.137	.136
23000	.149	.148	.146	.145	.144	.143	.142	.140	.139	.138	.137	.136	.135	.134	.133	.132
24000	.144	.143	.141	.140	.139	.138	.137	.136	.134	.133	.132	.131	.130	.129	.128	.127
25000	.139	.138	.137	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123
26000	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.123	.122	.121	.120	.119	.118
27000	.130	.129	.128	.127	.126	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114
28000	.126	.125	.124	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110
29000	.122	.121	.120	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106
30000	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103
31000	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099
32000	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.101	.100	.099	.098	.097	.096
37000	.094	.093	.092	.091												

BETA= 40.0 DEGREES

DELTA= 20.0 DEGREES

RA*	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.440															
200	.429	.416														
300	.420	.408	.398													
400	.413	.401	.391	.383												
500	.406	.395	.386	.377	.370											
600	.400	.390	.381	.372	.365	.358										
700	.395	.385	.376	.368	.361	.354	.347									
800	.389	.380	.372	.364	.357	.350	.344	.338								
900	.385	.376	.367	.360	.353	.346	.340	.334	.329							
1000	.380	.371	.363	.356	.349	.343	.337	.331	.326	.320						
1100	.376	.367	.360	.353	.346	.340	.334	.328	.323	.317	.312					
1200	.372	.364	.356	.349	.343	.336	.331	.325	.320	.315	.310	.305				
1300	.368	.360	.353	.346	.339	.333	.328	.322	.317	.312	.307	.302	.298	.294		
1400	.364	.356	.349	.343	.336	.330	.325	.319	.314	.309	.304	.299	.295	.291	.287	
1500	.361	.353	.346	.340	.333	.328	.322	.317	.312	.307	.302	.297	.293	.289	.285	.281
1600	.357	.350	.343	.337	.331	.325	.319	.314	.309	.304	.299	.295	.291	.287	.283	.279
1700	.354	.347	.340	.334	.328	.322	.317	.312	.307	.302	.298	.293	.289	.285	.281	.277
1800	.351	.344	.337	.331	.325	.320	.315	.309	.305	.300	.295	.291	.287	.283	.279	.275
1900	.348	.341	.334	.328	.322	.317	.312	.307	.302	.298	.293	.289	.285	.281	.277	.273
2000	.344	.338	.331	.325	.320	.315	.309	.305	.300	.295	.291	.287	.283	.279	.275	.271
2100	.341	.335	.329	.323	.317	.312	.307	.302	.298	.293	.289	.285	.281	.277	.273	.269
2200	.339	.332	.326	.320	.315	.310	.305	.300	.295	.291	.287	.283	.279	.275	.271	.268
2300	.336	.329	.323	.318	.312	.307	.302	.298	.293	.289	.285	.281	.277	.273	.269	.266
2400	.333	.327	.321	.315	.310	.305	.300	.296	.291	.287	.283	.279	.275	.271	.268	.264
2500	.330	.324	.318	.313	.308	.303	.298	.293	.289	.285	.281	.277	.273	.269	.266	.262
2600	.327	.321	.316	.310	.305	.300	.296	.291	.287	.283	.279	.275	.271	.268	.264	.261
2700	.325	.319	.313	.308	.303	.298	.294	.289	.285	.281	.277	.273	.269	.266	.262	.259
2800	.322	.316	.311	.306	.301	.296	.292	.287	.283	.279	.275	.271	.268	.264	.260	.257
2900	.320	.314	.309	.303	.299	.294	.289	.285	.281	.277	.273	.269	.266	.262	.259	.255
3000	.317	.312	.306	.301	.296	.292	.287	.283	.279	.275	.271	.268	.264	.260	.257	.254
3100	.315	.309	.304	.299	.294	.290	.285	.281	.277	.273	.269	.266	.262	.259	.255	.252
3200	.312	.307	.302	.297	.292	.288	.283	.279	.275	.271	.268	.264	.260	.257	.254	.250
3400	.307	.302	.297	.292	.288	.283	.279	.275	.271	.268	.264	.260	.257	.254	.250	.247
3600	.303	.298	.293	.288	.284	.279	.275	.271	.268	.264	.260	.257	.253	.250	.247	.244
3800	.298	.293	.289	.284	.280	.275	.271	.268	.264	.260	.257	.253	.250	.247	.244	.241
4000	.294	.289	.284	.280	.276	.272	.268	.264	.260	.257	.253	.250	.247	.244	.241	.238
4200	.289	.285	.280	.276	.272	.268	.264	.260	.257	.253	.250	.246	.243	.240	.237	.234
4400	.285	.281	.276	.272	.268	.264	.260	.257	.253	.250	.246	.243	.240	.237	.234	.231
4600	.281	.276	.272	.268	.264	.260	.257	.253	.250	.246	.243	.240	.237	.234	.231	.228
4800	.277	.272	.268	.264	.260	.257	.253	.250	.246	.243	.240	.236	.233	.230	.228	.225
5000	.273	.268	.264	.260	.257	.253	.249	.246	.243	.240	.236	.233	.230	.227	.224	.222
5200	.269	.265	.261	.257	.253	.249	.246	.243	.239	.236	.233	.230	.227	.224	.221	.219
5400	.265	.261	.257	.253	.249	.246	.242	.239	.236	.233	.230	.227	.224	.221	.219	.216
5600	.261	.257	.253	.249	.246	.242	.239	.236	.233	.230	.227	.224	.221	.218	.216	.213
5800	.257	.253	.249	.246	.242	.239	.236	.233	.229	.226	.223	.220	.218	.215	.213	.210
6000	.253	.249	.246	.242	.239	.235	.232	.229	.226	.223	.220	.218	.215	.212	.210	.207
6200	.250	.246	.242	.239	.235	.232	.229	.226	.223	.220	.217	.214	.212	.209	.207	.204
6400	.246	.242	.239	.235	.232	.229	.225	.222	.220	.217	.214	.211	.208	.206	.204	.201
6600	.242	.239	.235	.232	.228	.225	.222	.219	.216	.214	.211	.208	.206	.203	.201	.198
6800	.239	.235	.232	.228	.225	.222	.219	.216	.213	.210	.207	.205	.203	.200	.198	.195
7000	.235	.231	.228	.225	.222	.219	.216	.213	.210	.207	.205	.202	.200	.197	.195	.192
7200	.231	.228	.225	.221	.218	.215	.212	.209	.206	.204	.201	.198	.196	.194	.191	.189
7400	.228	.224	.221	.218	.215	.212	.209	.206	.203	.201	.198	.195	.193	.191	.189	.187
7600	.224	.221	.218	.215	.212	.209	.206	.203	.201	.198	.195	.193	.191	.188	.186	.184
7800	.221	.218	.214	.211	.208	.206	.203	.200	.197	.195	.192	.190	.188	.185	.183	.181
8000	.218	.214	.211	.208	.205	.202	.200	.197	.194	.192	.189	.187	.185	.182	.180	.178
8500	.209	.206	.203	.200	.197	.194	.192	.189	.187	.184	.182	.179	.177	.175	.173	.171
9000	.201	.198	.195	.192	.189	.187	.184	.181	.179	.177	.174	.172	.170	.167	.165	.163
9500	.193	.190	.187	.184	.181	.179	.176	.174	.171	.169	.167	.164	.162	.160	.158	.156
10000	.185	.182	.179	.176	.174	.171	.169	.166	.164	.161	.159	.157	.155	.153	.151	.149
10500	.177	.174	.171	.169	.166	.164	.161	.159	.156	.154	.152	.150	.147	.145	.143	.141
11000	.169	.166	.164	.161	.158	.156	.153	.151	.149	.147	.144	.142	.140	.138	.136	.134
11500	.162	.159	.156	.153	.151	.148	.146	.144	.141	.139	.137	.135	.133	.130	.128	.127
12000	.154	.151	.149	.146	.143	.141	.138	.136	.134	.132	.129	.127	.125	.123	.121	.119
12500	.147	.144	.141	.139	.136	.133	.131	.129	.126	.124	.122	.119	.117	.115	.113	.111
13000	.139	.136	.134	.131	.128	.126	.123	.121	.119	.116	.114	.112	.110	.107	.105	.103
13500	.132	.129	.126	.124	.121	.118	.116	.113	.111	.108	.106	.104	.102	.099	.097	.095
14000	.125	.122	.119	.116	.113	.111	.108	.106	.103	.101	.098	.096	.093	.091	.089	.087
14500	.117	.114	.111	.108	.106	.103	.100	.098	.095	.092	.089	.087	.084	.081	.079	.078
15000	.110	.107	.104	.101	.098	.095	.092	.089	.087	.084	.081	.078	.076	.073	.071	.069
15500	.102	.099	.096	.093	.090	.087	.084	.081	.078	.075	.072	.069	.066	.063	.060	.057
16000	.095	.091	.088	.085	.082	.078	.075	.072	.069	.065	.062	.059	.055	.052	.048	.044
17000	.079	.075	.071	.068	.064	.060	.055	.051	.047	.043	.040	.036	.032	.028	.024	.020
18000	.062	.057	.052	.048	.044	.040	.035	.031	.027	.023	.020	.016	.012	.008	.004	.000
19000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 40.0 DEGREES DELTA= 30.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.435															
200	.422	.409														
300	.412	.400	.389													
400	.403	.391	.381	.372												
500	.395	.384	.374	.366	.358											
600	.388	.378	.368	.360	.352	.345										
700	.382	.371	.362	.354	.347	.340										
800	.375	.366	.357	.349	.342	.335	.328	.322								
900	.370	.360	.352	.344	.337	.330	.324	.318	.312							
1000	.364	.355	.347	.339	.332	.326	.320	.314	.308	.303						
1100	.359	.350	.342	.335	.328	.321	.315	.310	.304	.299	.294					
1200	.353	.345	.337	.330	.323	.317	.311	.306	.300	.295	.290	.286				
1300	.348	.340	.333	.326	.319	.313	.307	.302	.297	.292	.287	.282	.278	.274		
1400	.344	.336	.328	.322	.315	.309	.304	.298	.293	.288	.283	.279	.274	.270	.267	
1500	.339	.331	.324	.317	.311	.305	.300	.294	.289	.285	.280	.275	.271	.267	.263	.256
1600	.334	.327	.320	.313	.307	.302	.296	.291	.286	.281	.276	.272	.268	.264	.260	.254
1700	.330	.323	.316	.309	.303	.298	.292	.287	.282	.278	.273	.269	.265	.261	.257	.253
1800	.326	.318	.312	.305	.300	.294	.289	.284	.279	.274	.270	.266	.262	.258	.254	.250
1900	.321	.314	.308	.302	.296	.290	.285	.280	.276	.271	.267	.262	.258	.254	.251	.247
2000	.317	.310	.304	.298	.292	.287	.282	.277	.272	.268	.263	.259	.255	.251	.248	.244
2100	.313	.306	.300	.294	.289	.283	.278	.274	.269	.265	.260	.256	.252	.248	.245	.241
2200	.309	.302	.296	.290	.285	.280	.275	.270	.266	.261	.257	.253	.249	.245	.242	.238
2300	.305	.299	.292	.287	.281	.276	.271	.267	.262	.258	.254	.250	.246	.242	.239	.235
2400	.301	.295	.289	.283	.278	.273	.268	.264	.259	.255	.251	.247	.243	.239	.236	.232
2500	.297	.291	.285	.280	.274	.269	.265	.260	.256	.252	.248	.244	.240	.237	.233	.230
2600	.293	.287	.281	.276	.271	.266	.261	.257	.253	.249	.245	.241	.237	.234	.230	.227
2700	.290	.283	.278	.273	.268	.263	.258	.254	.250	.245	.242	.238	.234	.231	.227	.224
2800	.286	.280	.274	.269	.264	.259	.255	.251	.246	.242	.238	.235	.231	.228	.224	.221
2900	.282	.276	.271	.266	.261	.256	.252	.247	.243	.239	.235	.232	.228	.225	.221	.218
3000	.278	.273	.267	.262	.257	.253	.248	.244	.240	.236	.232	.229	.225	.222	.218	.215
3100	.275	.269	.264	.259	.254	.249	.245	.241	.237	.233	.229	.226	.222	.219	.216	.212
3200	.271	.265	.260	.255	.250	.246	.242	.238	.234	.230	.226	.223	.219	.216	.213	.210
3400	.264	.258	.253	.248	.244	.239	.235	.231	.227	.224	.220	.217	.213	.210	.207	.204
3600	.256	.251	.246	.242	.237	.233	.229	.225	.221	.217	.214	.210	.207	.204	.201	.198
3800	.249	.244	.239	.235	.230	.226	.222	.218	.215	.211	.208	.204	.201	.198	.195	.192
4000	.242	.237	.232	.228	.224	.220	.216	.212	.208	.205	.201	.198	.195	.192	.189	.186
4200	.235	.230	.226	.221	.217	.213	.209	.205	.202	.198	.195	.192	.189	.186	.183	.180
4400	.228	.223	.219	.214	.210	.206	.202	.199	.195	.192	.189	.186	.182	.180	.177	.174
4600	.221	.216	.212	.207	.203	.200	.196	.192	.189	.185	.182	.179	.176	.173	.170	.168
4800	.214	.209	.205	.201	.197	.193	.189	.186	.182	.179	.176	.173	.170	.167	.164	.161
5000	.207	.202	.198	.194	.190	.186	.182	.179	.175	.172	.169	.166	.163	.160	.157	.155
5200	.199	.195	.191	.187	.183	.179	.175	.172	.169	.165	.162	.159	.156	.153	.151	.148
5400	.192	.188	.184	.180	.176	.172	.168	.165	.162	.158	.155	.152	.149	.146	.144	.141
5600	.185	.181	.176	.172	.169	.165	.161	.158	.154	.151	.148	.145	.142	.139	.137	.134
5800	.178	.173	.169	.165	.161	.158	.154	.151	.147	.144	.141	.138	.135	.132	.129	.127
6000	.170	.166	.162	.158	.154	.150	.146	.143	.140	.136	.133	.130	.127	.124	.122	.119
6200	.163	.158	.154	.150	.146	.142	.139	.135	.132	.129	.125	.122	.119	.116	.114	.111
6400	.155	.151	.146	.142	.138	.135	.131	.127	.124	.120	.117	.114	.111	.108	.105	.102
6600	.147	.143	.138	.134	.130	.126	.123	.119	.115	.112	.109	.105	.102	.099	.096	.093
6800	.139	.135	.130	.126	.122	.118	.114	.110	.107	.103	.099	.096	.093	.089	.086	.083
7000	.131	.126	.122	.117	.113	.109	.105	.101	.097	.093	.090	.086	.082	.079	.075	.072
7200	.122	.117	.113	.108	.104	.099	.095	.091	.087	.083	.079	.075	.071	.067	.063	.059
7400	.113	.108	.103	.099	.094	.089	.084	.080	.075	.071	.066	.062	.057	.052	.048	.042
7600	.104	.099	.093	.088	.083	.078	.073	.068	.062	.057	.051	.046	.040	.035	.030	.024
7800	.094	.088	.082	.077	.071	.065	.059	.053	.047	.041	.035	.029	.023	.017	.011	.005
8000	.083	.076	.070	.063	.056	.050	.044	.038	.032	.026	.020	.014	.008	.002	.000	.000
8500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 40.0 DEGREES DELTA= 40.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.427															
200	.411	.396														
300	.398	.385	.373													
400	.387	.375	.364	.354												
500	.377	.365	.355	.346	.337											
600	.368	.357	.347	.338	.330	.322										
700	.359	.348	.339	.330	.322	.315	.308									
800	.351	.340	.331	.323	.315	.308	.302	.295								
900	.343	.333	.324	.316	.309	.302	.295	.289	.283							
1000	.335	.325	.317	.309	.302	.295	.289	.283	.277	.272						
1100	.328	.318	.310	.302	.295	.289	.283	.277	.271	.266	.261					
1200	.320	.311	.303	.296	.289	.283	.277	.271	.266	.260	.256	.251				
1300	.313	.304	.297	.289	.283	.276	.271	.265	.260	.255	.250	.245	.241			
1400	.306	.298	.290	.283	.276	.270	.265	.259	.254	.249	.244	.240	.235	.231		
1500	.299	.291	.283	.277	.270	.264	.259	.253	.248	.243	.239	.234	.230	.226	.222	.213
1600	.292	.284	.277	.270	.264	.258	.253	.247	.242	.238	.233	.229	.225	.221	.217	.208
1700	.285	.278	.270	.264	.258	.252	.247	.242	.237	.232	.227	.223	.219	.215	.211	.202
1800	.278	.271	.264	.258	.252	.246	.241	.236	.231	.226	.222	.218	.214	.210	.206	.202
1900	.272	.264	.258	.251	.245	.240	.235	.230	.225	.220	.216	.212	.208	.204	.200	.197
2000	.265	.258	.251	.245	.239	.234	.229	.224	.219	.215	.210	.206	.202	.197	.193	.191
2100	.258	.251	.245	.239	.233	.228	.223	.218	.213	.209	.205	.200	.195	.191	.187	.186
2200	.251	.245	.238	.232	.227	.221	.216	.212	.207	.203	.199	.195	.191	.187	.184	.180
2300	.245	.238	.232	.226	.220	.215	.210	.205	.201	.197	.193	.189	.185	.181	.178	.174
2400	.238	.231	.225	.219	.214	.209	.204	.199	.195	.191	.186	.183	.179	.175	.172	.168
2500	.231	.224	.218	.213	.207	.202	.197	.193	.188	.184	.180	.176	.173	.169	.166	.162
2600	.224	.218	.212	.206	.201	.196	.191	.186	.182	.178	.174	.170	.166	.163	.159	.156
2700	.217	.211	.205	.199	.194	.189	.184	.180	.175	.171	.167	.164	.160	.156	.153	.150
2800	.210	.204	.198	.192	.187	.182	.177	.173	.169	.164	.161	.157	.153	.150	.146	.143
2900	.203	.197	.191	.185	.180	.175	.170	.166	.162	.158	.154	.150	.146	.143	.139	.136
3000	.196	.189	.184	.178	.173	.168	.163	.159	.154	.150	.146	.143	.139	.136	.132	.129
3100	.188	.182	.176	.171	.165	.161	.156	.151	.147	.143	.139	.135	.132	.128	.125	.121
3200	.181	.174	.169	.163	.158	.153	.148	.144	.139	.135	.131	.127	.124	.1		

BETA= 40.0 DEGREES DELTA= 50.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.412															
200	.392	.376														
300	.375	.360	.347													
400	.359	.345	.334	.323												
500	.345	.332	.321	.311	.302											
600	.331	.319	.308	.299	.290	.282										
700	.318	.306	.296	.287	.279	.271	.264									
800	.305	.294	.284	.275	.267	.260	.253	.247								
900	.292	.282	.272	.264	.256	.249	.242	.236	.230							
1000	.280	.270	.260	.252	.245	.238	.231	.225	.219	.214						
1100	.267	.257	.248	.240	.233	.226	.220	.214	.208	.203	.198					
1200	.255	.245	.236	.228	.221	.215	.208	.203	.197	.192	.187	.182				
1300	.242	.232	.224	.216	.209	.203	.196	.191	.185	.180	.175	.171	.166			
1400	.228	.219	.211	.204	.197	.190	.184	.178	.173	.168	.163	.159	.154	.150		
1500	.215	.206	.198	.190	.183	.177	.171	.165	.160	.155	.150	.146	.141	.137	.133	
1600	.201	.192	.184	.177	.170	.163	.157	.152	.146	.141	.136	.132	.127	.123	.119	.115
1700	.186	.178	.169	.162	.155	.149	.142	.137	.131	.126	.121	.116	.112	.108	.103	.099
1800	.171	.162	.154	.146	.139	.132	.126	.120	.114	.109	.104	.099	.095	.091	.087	.081
1900	.155	.145	.137	.129	.122	.114	.108	.101	.095	.089	.083	.078	.073	.069	.065	.056
2000	.137	.127	.118	.109	.101	.093	.086	.078	.071	.064	.056	.049	.044	.039	.034	.020
2100	.116	.106	.096	.086	.076	.067	.057	.046	.033	.020	.000	.000	.000	.000	.000	.000
2200	.092	.080	.067	.054	.040	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2300	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 40.0 DEGREES DELTA= 60.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.386															
200	.356	.337														
300	.329	.312	.298													
400	.304	.288	.275	.263												
500	.278	.264	.251	.240	.231											
600	.253	.239	.227	.216	.207	.198										
700	.227	.213	.201	.191	.182	.173	.166									
800	.194	.185	.173	.163	.154	.145	.137	.130								
900	.167	.154	.141	.130	.120	.111	.102	.094	.086							
1000	.131	.115	.101	.088	.075	.061	.047	.030	.000	.000						
1100	.081	.058	.000	.000	.000	.000	.000	.000	.000	.000	.000					
1200	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			

BETA= 40.0 DEGREES DELTA= 70.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.325															
200	.269	.246														
300	.206	.184	.166													
400	.126	.098	.072	.045												
500	.000	.000	.000	.000	.000											

G-247

BETA= 60.0 DEGREES	DELTA= 0.0 DEGREES															
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.444															
200	.433	.421														
300	.425	.414	.404													
400	.419	.407	.398	.390												
500	.413	.402	.393	.385	.378											
600	.407	.397	.388	.380	.373	.367										
700	.402	.392	.384	.376	.369	.363	.357									
800	.398	.388	.379	.372	.365	.359	.354	.348								
900	.393	.384	.376	.368	.362	.356	.350	.345	.340							
1000	.389	.380	.372	.365	.359	.353	.347	.342	.337	.332						
1100	.385	.376	.369	.362	.355	.350	.344	.339	.334	.330	.325					
1200	.382	.373	.365	.358	.352	.347	.341	.336	.332	.327	.323	.318				
1300	.378	.369	.362	.355	.349	.344	.339	.334	.329	.324	.320	.316	.312			
1400	.375	.366	.359	.353	.347	.341	.336	.331	.327	.322	.318	.314	.310	.306		
1500	.371	.363	.356	.350	.344	.339	.333	.329	.324	.320	.316	.312	.308	.304	.300	
1600	.368	.360	.353	.347	.341	.336	.331	.326	.322	.318	.313	.309	.305	.302	.298	.295
1700	.365	.357	.350	.344	.339	.334	.329	.324	.320	.315	.311	.307	.303	.300	.296	.293
1800	.362	.354	.348	.342	.336	.331	.326	.322	.317	.313	.309	.305	.302	.298	.294	.291
1900	.359	.352	.345	.339	.334	.329	.324	.320	.315	.311	.307	.303	.300	.296	.293	.289
2000	.356	.349	.343	.337	.332	.327	.322	.318	.313	.309	.305	.302	.298	.294	.291	.288
2100	.354	.346	.340	.335	.329	.324	.320	.315	.311	.307	.303	.300	.296	.293	.289	.286
2200	.351	.344	.338	.332	.327	.322	.318	.313	.309	.305	.302	.298	.294	.291	.288	.284
2300	.348	.341	.335	.330	.325	.320	.316	.311	.307	.304	.300	.296	.293	.289	.286	.283
2400	.346	.339	.333	.328	.323	.318	.314	.309	.306	.302	.298	.294	.291	.288	.284	.281
2500	.343	.337	.331	.326	.321	.316	.312	.308	.304	.300	.296	.293	.289	.286	.283	.280
2600	.341	.334	.329	.323	.319	.314	.310	.306	.302	.298	.295	.291	.288	.285	.281	.278
2700	.339	.332	.326	.321	.317	.312	.308	.304	.300	.296	.293	.289	.286	.283	.280	.277
2800	.336	.330	.324	.319	.315	.310	.306	.302	.298	.295	.291	.288	.285	.281	.278	.275
2900	.334	.328	.322	.317	.313	.308	.304	.300	.297	.293	.290	.286	.283	.280	.277	.274
3000	.332	.326	.320	.315	.311	.306	.302	.299	.295	.291	.288	.285	.282	.278	.275	.273
3100	.329	.323	.318	.313	.309	.305	.301	.297	.293	.290	.286	.283	.280	.277	.274	.271
3200	.327	.321	.316	.311	.307	.303	.299	.295	.292	.288	.285	.282	.279	.276	.273	.270
3400	.323	.317	.312	.308	.303	.299	.295	.292	.288	.285	.282	.279	.276	.273	.270	.267
3600	.319	.313	.308	.304	.300	.296	.292	.289	.285	.282	.279	.276	.273	.270	.267	.265
3800	.315	.309	.305	.300	.296	.293	.289	.285	.282	.279	.276	.273	.270	.268	.265	.262
4000	.311	.306	.301	.297	.293	.289	.286	.282	.279	.276	.273	.270	.267	.265	.262	.259
4200	.307	.302	.298	.294	.290	.286	.283	.279	.276	.273	.270	.268	.265	.262	.260	.257
4400	.303	.299	.294	.290	.287	.283	.280	.276	.273	.271	.268	.265	.262	.260	.257	.255
4600	.300	.295	.291	.287	.283	.280	.277	.274	.271	.268	.265	.263	.260	.257	.255	.252
4800	.296	.292	.288	.284	.280	.277	.274	.271	.268	.265	.263	.260	.257	.255	.252	.250
5000	.293	.288	.284	.281	.277	.274	.271	.268	.265	.263	.260	.257	.255	.252	.250	.248
5200	.290	.285	.281	.278	.274	.271	.268	.265	.263	.260	.257	.255	.252	.250	.248	.246
5400	.286	.282	.278	.275	.272	.269	.266	.263	.260	.258	.255	.253	.250	.248	.246	.244
5600	.283	.279	.275	.272	.269	.266	.263	.260	.258	.255	.253	.250	.248	.246	.244	.241
5800	.280	.276	.272	.269	.266	.263	.260	.258	.255	.253	.250	.248	.246	.244	.241	.239
6000	.277	.273	.270	.266	.263	.260	.258	.255	.253	.250	.248	.246	.244	.241	.239	.237
6200	.274	.270	.267	.264	.261	.258	.255	.253	.250	.248	.246	.244	.241	.239	.237	.235
6400	.271	.267	.264	.261	.258	.255	.253	.250	.248	.246	.244	.241	.239	.237	.235	.233
6600	.268	.265	.261	.258	.256	.253	.250	.248	.246	.244	.241	.239	.237	.235	.233	.231
6800	.265	.262	.259	.256	.253	.250	.248	.246	.244	.241	.239	.237	.235	.233	.231	.229
7000	.263	.259	.256	.253	.251	.248	.246	.244	.241	.239	.237	.235	.233	.231	.229	.227
7200	.260	.257	.254	.251	.248	.246	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225
7400	.257	.254	.251	.248	.246	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.223
7600	.255	.252	.249	.246	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.223	.221
7800	.252	.249	.246	.244	.241	.239	.237	.235	.232	.230	.228	.227	.225	.223	.221	.220
8000	.250	.247	.244	.241	.239	.237	.235	.232	.230	.228	.227	.225	.223	.221	.220	.218
8500	.243	.241	.238	.236	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.213
9000	.238	.235	.233	.230	.228	.226	.224	.222	.221	.219	.217	.215	.214	.212	.211	.209
9500	.232	.230	.227	.225	.223	.221	.219	.218	.216	.214	.213	.211	.210	.208	.207	.205
10000	.227	.224	.222	.220	.218	.216	.215	.213	.211	.210	.208	.207	.205	.204	.203	.201
10500	.222	.219	.217	.215	.214	.212	.210	.209	.207	.206	.204	.203	.201	.200	.199	.197
11000	.217	.214	.213	.211	.209	.207	.206	.204	.203	.201	.200	.199	.197	.196	.195	.194
11500	.212	.210	.208	.206	.205	.203	.202	.200	.199	.197	.196	.195	.194	.192	.191	.190
12000	.207	.205	.204	.202	.200	.199	.198	.196	.195	.194	.192	.191	.190	.188	.187	.187
12500	.203	.201	.200	.198	.196	.195	.194	.192	.191	.190	.189	.188	.186	.185	.184	.183
13000	.199	.197	.195	.194	.192	.191	.190	.189	.187	.186	.185	.184	.183	.182	.181	.180
13500	.194	.193	.191	.190	.189	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177
14000	.191	.189	.188	.186	.185	.184	.183	.181	.180	.179	.178	.177	.176	.175	.174	.174
14500	.187	.185	.184	.183	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
15000	.183	.182	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.168
15500	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.165
16000	.176	.175	.174	.172	.171	.170	.169	.168	.168	.167	.166	.165	.164	.163	.163	.162
17000	.169	.168	.167	.166	.165	.164	.163	.163	.162	.161	.160	.159	.159	.158	.157	.157
18000	.163	.162	.161	.160	.159	.159	.158	.157	.156	.156	.155	.154	.153	.153	.152	.152
19000	.157	.156	.156	.155	.154	.153	.152	.152	.151	.150	.150	.149	.149	.148	.147	.147
20000	.152	.151	.150	.149	.149	.148	.147	.146	.146	.145	.144	.144	.144	.143	.143	.142
21000	.147	.146	.145	.144	.144	.143	.143	.142	.141	.141	.140	.140	.139	.139	.138	.138
22000	.142	.141	.140	.140	.139	.139	.138	.138	.137	.137	.136	.136	.135	.135	.134	.134
23000	.137	.137	.136	.135	.135	.134	.134	.133	.133	.132	.132	.132	.131	.131	.130	.130
24000	.133	.132	.132	.131	.131	.130	.130	.129	.129	.128	.128	.127	.127	.127	.126	.126
25000	.129	.128	.128	.127	.127	.126	.126	.125	.125	.125	.124	.124	.124	.123	.123	.123
26000	.125	.124	.124	.123	.123	.123	.122	.122	.121	.121	.121	.120	.120	.120	.119	.119
27000	.121	.121	.120	.120	.119	.119	.119	.118	.118	.118	.117	.117	.117	.117	.116	.116
28000	.117	.117	.117	.116	.116	.116	.115	.115	.115	.114	.114	.114	.114	.113	.113	.113
29000	.114	.114	.113	.113	.113	.112	.112	.112	.112	.111	.111	.111	.111	.110	.110	.110
30000	.111	.111	.110	.110	.110	.109	.109	.109	.109	.108	.108	.108	.108	.107	.107	.107
31000	.108	.107	.107	.107	.107	.106	.106	.106	.106	.106	.105	.105	.105	.105	.105	.104
32000	.105	.105	.104	.104	.104	.104	.103	.103	.103	.103	.103	.102	.102	.102		

BETA= 60.0 DEGREES

DELTA= 10.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.443															
200	.432	.420														
300	.424	.412	.403													
400	.417	.406	.396	.388												
500	.411	.400	.391	.383	.376											
600	.405	.395	.386	.378	.371	.365										
700	.400	.390	.381	.374	.367	.361	.355									
800	.396	.386	.377	.370	.363	.357	.351	.346								
900	.391	.381	.373	.366	.359	.353	.348	.342	.337							
1000	.387	.377	.369	.362	.356	.350	.344	.339	.334	.329						
1100	.383	.374	.366	.359	.353	.347	.341	.336	.331	.326	.322					
1200	.379	.370	.362	.356	.349	.344	.338	.333	.328	.324	.319	.315				
1300	.375	.367	.359	.353	.346	.341	.336	.331	.326	.321	.317	.313	.309			
1400	.372	.363	.356	.349	.344	.338	.333	.328	.323	.319	.314	.310	.306	.302		
1500	.368	.360	.353	.347	.341	.335	.330	.325	.321	.316	.312	.308	.304	.300	.297	.291
1600	.365	.357	.350	.344	.338	.333	.328	.323	.318	.314	.310	.306	.302	.298	.294	.289
1700	.362	.354	.347	.341	.335	.330	.325	.320	.316	.311	.307	.303	.300	.296	.292	.287
1800	.359	.351	.344	.338	.333	.328	.323	.318	.314	.309	.305	.301	.298	.294	.290	.285
1900	.356	.348	.342	.336	.330	.325	.320	.316	.311	.307	.303	.300	.296	.292	.288	.283
2000	.353	.345	.339	.333	.328	.323	.318	.314	.309	.305	.301	.298	.294	.290	.286	.281
2100	.350	.343	.336	.331	.325	.320	.316	.311	.307	.303	.299	.296	.292	.288	.284	.279
2200	.347	.340	.334	.328	.323	.318	.314	.309	.305	.301	.297	.294	.290	.286	.282	.277
2300	.345	.338	.331	.326	.321	.316	.311	.307	.303	.299	.295	.292	.288	.284	.280	.275
2400	.342	.335	.329	.324	.318	.314	.309	.305	.301	.297	.294	.290	.286	.282	.278	.274
2500	.339	.333	.327	.321	.316	.312	.307	.303	.299	.295	.292	.288	.284	.280	.276	.272
2600	.337	.330	.324	.319	.314	.310	.305	.301	.297	.294	.290	.286	.282	.278	.274	.270
2700	.334	.328	.322	.317	.312	.308	.303	.299	.295	.292	.288	.284	.280	.276	.272	.269
2800	.332	.325	.320	.315	.310	.305	.301	.297	.294	.290	.286	.282	.278	.274	.270	.267
2900	.329	.323	.318	.313	.308	.303	.299	.295	.292	.288	.284	.280	.276	.272	.268	.265
3000	.327	.321	.315	.310	.306	.302	.297	.294	.290	.286	.283	.280	.276	.273	.270	.267
3100	.325	.319	.313	.308	.304	.300	.296	.292	.288	.285	.281	.278	.275	.272	.269	.266
3200	.322	.316	.311	.306	.302	.298	.294	.290	.286	.283	.280	.276	.273	.270	.267	.264
3400	.318	.312	.307	.302	.298	.294	.290	.286	.283	.280	.276	.273	.270	.267	.264	.262
3600	.314	.308	.303	.299	.294	.290	.287	.283	.280	.276	.273	.270	.267	.264	.261	.259
3800	.309	.304	.299	.295	.291	.287	.283	.280	.276	.273	.270	.267	.264	.261	.259	.256
4000	.305	.300	.295	.291	.287	.283	.280	.276	.273	.270	.267	.264	.261	.259	.256	.253
4200	.301	.296	.292	.288	.284	.280	.277	.273	.270	.267	.264	.261	.258	.255	.253	.251
4400	.298	.293	.288	.284	.280	.277	.273	.270	.267	.264	.261	.258	.255	.253	.251	.248
4600	.294	.289	.285	.281	.277	.274	.270	.267	.264	.261	.258	.255	.253	.251	.248	.246
4800	.290	.285	.281	.277	.274	.270	.267	.264	.261	.258	.255	.253	.250	.248	.245	.243
5000	.287	.282	.278	.274	.271	.267	.264	.261	.258	.255	.253	.250	.248	.245	.243	.241
5200	.283	.279	.275	.271	.268	.264	.261	.258	.255	.253	.250	.248	.245	.243	.241	.238
5400	.280	.275	.272	.268	.265	.261	.258	.255	.253	.250	.248	.245	.243	.240	.238	.236
5600	.276	.272	.268	.265	.262	.259	.256	.253	.250	.248	.245	.243	.240	.238	.236	.234
5800	.273	.269	.265	.262	.259	.256	.253	.250	.248	.245	.243	.240	.238	.236	.233	.231
6000	.270	.266	.262	.259	.256	.253	.250	.248	.245	.242	.240	.238	.235	.233	.231	.229
6200	.267	.263	.259	.256	.253	.250	.248	.245	.242	.240	.238	.235	.233	.231	.229	.227
6400	.264	.260	.256	.253	.250	.248	.245	.242	.240	.238	.235	.233	.231	.229	.227	.225
6600	.261	.257	.254	.251	.248	.245	.242	.240	.237	.235	.233	.231	.229	.227	.225	.223
6800	.258	.254	.251	.248	.245	.242	.240	.237	.235	.233	.231	.229	.227	.225	.223	.220
7000	.255	.251	.248	.245	.242	.240	.237	.235	.233	.230	.228	.226	.224	.222	.220	.218
7200	.252	.249	.245	.243	.240	.237	.235	.233	.230	.228	.226	.224	.222	.220	.218	.216
7400	.249	.246	.243	.240	.237	.235	.233	.230	.228	.226	.224	.222	.220	.218	.216	.214
7600	.246	.243	.240	.238	.235	.233	.230	.228	.226	.224	.222	.220	.218	.216	.214	.212
7800	.244	.241	.238	.235	.233	.230	.228	.226	.224	.221	.220	.218	.216	.214	.212	.210
8000	.241	.238	.235	.233	.230	.228	.226	.223	.221	.219	.217	.216	.214	.212	.210	.208
8500	.235	.232	.229	.227	.224	.222	.220	.218	.216	.214	.212	.210	.209	.207	.205	.204
9000	.229	.226	.223	.221	.219	.217	.215	.213	.211	.209	.207	.206	.204	.202	.201	.199
9500	.223	.220	.218	.216	.214	.212	.210	.208	.206	.204	.203	.201	.199	.198	.196	.195
10000	.217	.215	.213	.210	.208	.206	.205	.203	.201	.200	.198	.196	.195	.193	.192	.190
10500	.212	.210	.207	.205	.203	.202	.200	.198	.197	.195	.193	.192	.191	.189	.188	.186
11000	.207	.205	.202	.201	.199	.197	.195	.194	.192	.191	.189	.188	.186	.185	.184	.182
11500	.202	.200	.198	.196	.194	.192	.191	.189	.188	.186	.185	.184	.182	.181	.180	.178
12000	.197	.195	.193	.191	.190	.188	.187	.185	.184	.182	.181	.180	.178	.177	.176	.175
12500	.193	.191	.189	.187	.186	.184	.183	.181	.180	.178	.177	.176	.175	.173	.172	.171
13000	.188	.186	.185	.183	.181	.180	.179	.177	.176	.175	.173	.172	.171	.170	.169	.168
13500	.184	.182	.180	.179	.177	.176	.175	.173	.172	.171	.170	.169	.167	.166	.165	.164
14000	.180	.178	.177	.175	.174	.172	.171	.170	.169	.167	.166	.165	.164	.163	.162	.161
14500	.176	.174	.173	.171	.170	.169	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158
15000	.172	.170	.169	.168	.166	.165	.164	.163	.162	.161	.160	.158	.157	.156	.155	.155
15500	.168	.167	.165	.164	.163	.162	.161	.159	.158	.157	.156	.155	.154	.153	.152	.152
16000	.165	.163	.162	.161	.160	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.149
17000	.158	.157	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.144	.143
18000	.152	.151	.149	.148	.147	.146	.145	.144	.143	.143	.142	.141	.140	.139	.138	.138
19000	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.136	.135	.134	.133	.133
20000	.140	.139	.138	.137	.136	.135	.135	.134	.133	.132	.132	.131	.130	.129	.129	.128
21000	.135	.134	.133	.132	.131	.131	.130	.129	.128	.128	.127	.126	.125	.125	.124	.123
22000	.130	.129	.128	.128	.127	.126	.125	.124	.124	.123	.122	.122	.121	.120	.120	.119
23000	.126	.125	.124	.123	.122	.122	.121	.120	.120	.119	.118	.118	.117	.116	.116	.115
24000	.121	.120	.120	.119	.118	.117	.117	.116	.115	.115	.114	.114	.113	.112	.112	.111
25000	.117	.116	.116	.115	.114	.113	.113	.112	.112	.111	.111	.110	.109	.109	.108	.108
26000	.113	.112	.112	.111	.110	.110	.109	.109	.108	.107	.107	.106	.106	.105	.105	.104
27000	.109	.109	.108	.107	.107	.106	.106	.105	.105	.104	.104	.103	.103	.102	.102	.101
28000	.106	.105	.105	.104	.103	.103	.102	.102	.101	.101	.100	.100	.099	.099	.098	.098
29000	.103	.102	.101	.101	.100	.100	.099	.099	.098	.098	.097	.097	.096	.096	.095	.095
30000	.099	.099	.098	.098	.097	.097	.096	.096	.095	.095	.094	.094	.093	.093	.093	.092
31000	.096	.096	.095	.095	.094	.094	.093	.093	.092	.092	.092	.091	.091	.090	.090	.089
32000	.094	.093	.092	.092	.092	.091	.091	.090	.090	.089						

BETA= 60.0 DEGREES

DELTA= 20.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.44C															
200	.429	.416														
300	.420	.408	.398													
400	.412	.401	.391	.383												
500	.406	.394	.385	.377	.370											
600	.400	.389	.380	.372	.364	.358										
700	.394	.383	.375	.367	.360	.353	.347									
800	.389	.379	.370	.362	.355	.349	.343	.338								
900	.384	.374	.366	.358	.351	.345	.339	.334	.329							
1000	.379	.370	.361	.354	.347	.341	.336	.330	.325	.320						
1100	.375	.365	.357	.350	.344	.338	.332	.327	.322	.317	.312					
1200	.371	.361	.354	.347	.340	.334	.329	.324	.319	.314	.309	.305				
1300	.367	.358	.350	.343	.337	.331	.326	.320	.316	.311	.306	.302	.299	.297	.295	.293
1400	.363	.354	.346	.340	.333	.328	.322	.317	.313	.308	.304	.299	.295	.291	.288	.285
1500	.359	.350	.343	.336	.330	.325	.319	.314	.310	.305	.301	.297	.293	.289	.285	.281
1600	.355	.347	.340	.333	.327	.322	.316	.312	.307	.303	.298	.294	.290	.286	.282	.279
1700	.352	.343	.336	.330	.324	.319	.314	.309	.304	.300	.296	.292	.288	.284	.280	.277
1800	.348	.340	.333	.327	.321	.316	.311	.306	.302	.297	.293	.289	.285	.281	.277	.274
1900	.345	.337	.330	.324	.318	.313	.308	.303	.299	.295	.291	.287	.283	.279	.275	.272
2000	.342	.334	.327	.321	.315	.310	.305	.300	.296	.292	.288	.284	.280	.276	.273	.270
2100	.338	.331	.324	.318	.313	.308	.303	.298	.294	.290	.286	.282	.278	.274	.271	.268
2200	.335	.328	.321	.315	.310	.305	.300	.296	.292	.288	.284	.280	.276	.272	.269	.266
2300	.332	.325	.318	.313	.307	.302	.298	.293	.289	.285	.281	.277	.273	.270	.267	.264
2400	.329	.322	.316	.310	.305	.300	.295	.291	.287	.283	.279	.275	.272	.268	.265	.262
2500	.326	.319	.313	.307	.302	.297	.293	.289	.285	.281	.277	.273	.270	.266	.263	.260
2600	.323	.316	.310	.305	.300	.295	.291	.286	.282	.278	.275	.271	.268	.264	.261	.258
2700	.320	.314	.308	.302	.297	.293	.288	.284	.280	.276	.273	.269	.266	.262	.259	.256
2800	.318	.311	.305	.300	.295	.290	.286	.282	.278	.274	.270	.267	.264	.260	.257	.254
2900	.315	.308	.303	.297	.292	.288	.284	.280	.276	.272	.268	.265	.262	.258	.255	.252
3000	.312	.306	.300	.295	.290	.286	.281	.277	.273	.270	.266	.263	.260	.256	.253	.250
3100	.309	.303	.298	.292	.288	.283	.279	.275	.271	.268	.264	.261	.258	.255	.251	.249
3200	.307	.301	.295	.290	.285	.281	.277	.273	.269	.266	.262	.259	.256	.253	.250	.247
3400	.302	.296	.290	.286	.281	.277	.273	.269	.265	.262	.258	.255	.252	.249	.246	.243
3600	.297	.291	.286	.281	.277	.272	.269	.265	.261	.258	.255	.251	.248	.245	.242	.240
3800	.292	.286	.281	.277	.272	.268	.265	.261	.257	.254	.251	.248	.245	.242	.239	.236
4000	.287	.282	.277	.272	.268	.264	.261	.257	.254	.250	.247	.244	.241	.238	.236	.233
4200	.283	.277	.273	.268	.264	.260	.257	.253	.250	.247	.244	.241	.238	.235	.232	.230
4400	.278	.273	.268	.264	.260	.256	.253	.249	.246	.243	.240	.237	.234	.231	.228	.226
4600	.274	.269	.264	.260	.256	.253	.249	.246	.243	.240	.237	.234	.231	.228	.226	.223
4800	.270	.265	.260	.256	.253	.249	.246	.242	.239	.236	.233	.230	.227	.224	.222	.220
5000	.266	.261	.256	.253	.249	.245	.242	.238	.235	.232	.229	.226	.223	.220	.219	.217
5200	.262	.257	.253	.249	.245	.242	.238	.235	.232	.229	.226	.223	.220	.218	.216	.214
5400	.258	.253	.249	.245	.242	.238	.235	.232	.229	.226	.223	.220	.218	.216	.214	.211
5600	.254	.249	.245	.242	.238	.235	.232	.229	.226	.223	.220	.218	.216	.214	.212	.210
5800	.250	.246	.242	.238	.235	.231	.228	.225	.222	.219	.217	.215	.213	.211	.210	.208
6000	.246	.242	.238	.235	.231	.228	.225	.222	.219	.216	.214	.212	.210	.209	.207	.205
6200	.243	.239	.235	.231	.228	.225	.222	.219	.216	.213	.211	.209	.208	.206	.204	.202
6400	.239	.235	.231	.228	.225	.222	.219	.216	.213	.211	.208	.206	.204	.203	.201	.199
6600	.236	.232	.228	.225	.222	.218	.216	.213	.210	.208	.205	.203	.202	.200	.198	.196
6800	.232	.228	.225	.221	.218	.215	.213	.210	.207	.205	.202	.200	.198	.196	.195	.193
7000	.229	.225	.222	.218	.215	.212	.210	.207	.204	.202	.200	.197	.195	.193	.191	.188
7200	.226	.222	.218	.215	.212	.209	.207	.204	.202	.199	.197	.194	.192	.190	.188	.186
7400	.222	.219	.215	.212	.209	.207	.204	.201	.199	.196	.194	.192	.190	.187	.185	.183
7600	.219	.216	.212	.209	.206	.204	.201	.198	.196	.194	.191	.189	.187	.185	.183	.181
7800	.216	.213	.209	.206	.204	.201	.198	.196	.193	.191	.189	.186	.184	.182	.180	.178
8000	.213	.210	.207	.204	.201	.198	.195	.193	.191	.188	.186	.184	.182	.180	.178	.176
8500	.206	.203	.199	.197	.194	.191	.189	.186	.184	.182	.180	.178	.176	.174	.172	.170
9000	.199	.196	.193	.190	.187	.185	.182	.180	.178	.176	.174	.172	.170	.168	.166	.164
9500	.192	.189	.186	.184	.181	.179	.176	.174	.172	.170	.168	.166	.164	.162	.160	.158
10000	.186	.183	.180	.178	.175	.173	.170	.168	.166	.164	.162	.160	.158	.156	.154	.153
10500	.180	.177	.174	.172	.169	.167	.165	.163	.161	.158	.157	.155	.153	.151	.149	.147
11000	.174	.171	.169	.166	.164	.161	.159	.157	.155	.153	.151	.149	.147	.146	.144	.142
11500	.168	.166	.163	.161	.158	.156	.154	.152	.150	.148	.146	.144	.142	.141	.139	.137
12000	.163	.160	.158	.155	.153	.151	.149	.147	.145	.143	.141	.139	.138	.136	.134	.132
12500	.158	.155	.153	.151	.148	.146	.144	.142	.140	.138	.136	.135	.133	.131	.129	.128
13000	.153	.150	.148	.146	.144	.142	.139	.138	.136	.134	.132	.130	.128	.127	.125	.123
13500	.148	.146	.143	.141	.139	.137	.135	.133	.131	.129	.127	.126	.124	.122	.120	.119
14000	.144	.141	.139	.137	.135	.133	.131	.129	.127	.125	.123	.121	.120	.118	.116	.114
14500	.139	.137	.135	.132	.130	.128	.126	.125	.123	.121	.119	.117	.115	.114	.112	.110
15000	.135	.133	.130	.128	.126	.124	.122	.120	.119	.117	.115	.113	.111	.110	.108	.106
15500	.131	.129	.126	.124	.122	.120	.118	.117	.115	.113	.111	.109	.108	.106	.104	.102
16000	.127	.125	.123	.121	.119	.117	.115	.113	.111	.109	.107	.106	.104	.102	.100	.099
17000	.120	.118	.115	.113	.111	.109	.108	.106	.104	.102	.100	.098	.097	.095	.093	.091
18000	.113	.111	.109	.107	.105	.103	.101	.099	.097	.095	.094	.092	.090	.088	.086	.085
19000	.107	.104	.102	.100	.098	.097	.095	.093	.091	.089	.087	.085	.084	.082	.080	.078
20000	.101	.099	.097	.095	.093	.091	.089	.087	.085	.083	.081	.079	.078	.076	.074	.072
21000	.095	.093	.091	.089	.087	.085	.083	.081	.080	.078	.076	.074	.072	.070	.068	.066
22000	.090	.088	.086	.084	.082	.080	.078	.076	.074	.072	.070	.068	.066	.064	.062	.060
23000	.085	.083	.081	.079	.077	.075	.073	.071	.069	.067	.065	.063	.061	.059	.057	.055
24000	.081	.079	.077	.075	.073	.071	.069	.067	.065	.063	.061	.059	.057	.055	.053	.051
25000	.077	.075	.073	.071	.069	.067	.065	.063	.061	.059	.057	.055	.053	.051	.049	.047
26000	.073	.071	.069	.067	.065	.063	.061	.059	.057	.055	.053	.051	.049	.047	.045	.043
27000	.069	.067	.065	.063	.061	.059	.057	.055	.053	.051	.049	.047	.045	.043	.041	.039
28000	.065	.063	.061	.059	.057	.055	.053	.051	.049	.047	.045	.043	.041	.039	.037	.035
29000	.062	.060	.058	.056	.054	.052	.050	.048	.046	.044	.042	.040	.038	.036	.034	.032
30000	.059	.057	.055	.053	.051	.049	.047	.045	.043	.041	.039	.037	.035	.033	.031	.029
31000	.056	.054	.052	.050	.048	.046	.044	.042	.040	.038	.036	.034	.032	.030	.028	.026
32000	.053	.051	.049	.047	.045											

BETA= 60.0 DEGREES DELTA= 30.0 DEGREES

RA*	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.435															
200	.422	.409														
300	.412	.399	.389													
400	.404	.391	.381	.372												
500	.396	.384	.374	.365	.358											
600	.389	.377	.368	.359	.352	.345										
700	.383	.371	.362	.354	.346	.339	.333									
800	.376	.365	.356	.348	.341	.334	.328	.322								
900	.371	.360	.351	.343	.336	.329	.323	.318	.312							
1000	.365	.355	.346	.338	.331	.325	.319	.313	.308	.303						
1100	.360	.350	.341	.334	.327	.320	.315	.309	.304	.299	.294					
1200	.355	.345	.337	.329	.322	.316	.310	.305	.300	.295	.290	.286				
1300	.350	.340	.332	.325	.318	.312	.306	.301	.296	.291	.286	.282	.278			
1400	.345	.336	.328	.321	.314	.308	.302	.297	.292	.287	.283	.278	.274	.270		
1500	.341	.331	.324	.317	.310	.304	.299	.293	.288	.284	.279	.275	.271	.267	.263	
1600	.336	.327	.319	.313	.306	.300	.295	.290	.285	.280	.276	.272	.267	.263	.260	.256
1700	.332	.323	.315	.309	.302	.297	.291	.286	.281	.277	.272	.268	.264	.260	.256	.253
1800	.328	.319	.311	.305	.299	.293	.288	.283	.278	.273	.269	.265	.261	.257	.253	.250
1900	.323	.315	.308	.301	.295	.289	.284	.279	.275	.270	.266	.262	.258	.254	.250	.247
2000	.319	.311	.304	.297	.291	.286	.281	.276	.271	.267	.263	.259	.255	.251	.247	.244
2100	.315	.307	.300	.294	.288	.283	.277	.273	.268	.264	.260	.255	.252	.248	.244	.241
2200	.312	.304	.297	.290	.285	.279	.274	.269	.265	.261	.256	.252	.249	.245	.241	.238
2300	.308	.300	.293	.287	.281	.276	.271	.266	.262	.257	.253	.249	.246	.242	.238	.235
2400	.304	.296	.289	.283	.278	.273	.268	.263	.259	.254	.250	.246	.243	.239	.236	.232
2500	.300	.293	.286	.280	.274	.269	.264	.260	.256	.251	.247	.243	.240	.236	.233	.229
2600	.297	.289	.283	.277	.271	.266	.261	.257	.252	.248	.244	.241	.237	.233	.230	.227
2700	.293	.286	.279	.273	.268	.263	.258	.254	.249	.245	.241	.238	.234	.231	.227	.224
2800	.290	.282	.276	.270	.265	.260	.255	.251	.247	.242	.239	.235	.231	.228	.224	.221
2900	.286	.279	.273	.267	.262	.257	.252	.248	.244	.240	.236	.232	.228	.225	.222	.218
3000	.283	.276	.269	.264	.259	.254	.249	.245	.241	.237	.233	.229	.226	.222	.219	.216
3100	.279	.272	.266	.261	.256	.251	.246	.242	.238	.234	.230	.226	.223	.220	.216	.213
3200	.276	.269	.263	.258	.253	.248	.243	.239	.235	.231	.227	.224	.220	.217	.214	.210
3400	.270	.263	.257	.252	.247	.242	.238	.233	.229	.225	.222	.218	.213	.209	.205	.202
3600	.263	.257	.251	.246	.241	.236	.232	.228	.224	.220	.216	.212	.208	.204	.200	.197
3800	.257	.251	.245	.240	.235	.231	.226	.222	.218	.215	.211	.208	.204	.200	.196	.193
4000	.251	.245	.239	.234	.230	.225	.221	.217	.213	.209	.206	.202	.199	.195	.191	.188
4200	.245	.239	.234	.229	.224	.220	.216	.212	.208	.204	.201	.197	.194	.190	.186	.183
4400	.239	.234	.228	.223	.219	.214	.210	.206	.203	.199	.195	.192	.188	.185	.181	.178
4600	.234	.228	.223	.218	.213	.209	.205	.201	.197	.193	.189	.185	.182	.179	.176	.173
4800	.228	.223	.217	.213	.208	.204	.200	.196	.192	.188	.184	.180	.177	.174	.171	.168
5000	.223	.217	.212	.208	.203	.199	.195	.191	.187	.184	.180	.177	.174	.171	.168	.165
5200	.218	.212	.207	.202	.198	.194	.190	.186	.182	.179	.176	.172	.169	.166	.163	.160
5400	.212	.207	.202	.197	.193	.189	.185	.181	.178	.174	.171	.167	.164	.161	.158	.155
5600	.207	.202	.197	.193	.188	.184	.180	.176	.173	.169	.166	.163	.159	.156	.153	.150
5800	.202	.197	.192	.188	.183	.179	.175	.172	.168	.165	.161	.158	.155	.152	.148	.146
6000	.197	.192	.187	.183	.179	.175	.171	.167	.163	.160	.156	.153	.150	.147	.144	.141
6200	.193	.188	.183	.178	.174	.170	.166	.162	.159	.155	.152	.148	.145	.142	.139	.136
6400	.188	.183	.178	.174	.169	.165	.161	.158	.154	.151	.147	.144	.140	.137	.134	.131
6600	.183	.178	.174	.169	.165	.161	.157	.153	.149	.146	.142	.139	.136	.133	.129	.126
6800	.179	.174	.169	.165	.160	.156	.152	.149	.145	.141	.138	.134	.131	.128	.125	.121
7000	.174	.169	.165	.160	.156	.152	.148	.144	.140	.137	.133	.130	.126	.123	.120	.117
7200	.170	.165	.160	.156	.152	.147	.144	.140	.136	.132	.129	.125	.122	.118	.115	.112
7400	.166	.161	.156	.152	.147	.143	.139	.135	.132	.128	.124	.121	.117	.114	.110	.107
7600	.161	.156	.152	.147	.143	.139	.135	.131	.127	.123	.120	.116	.112	.109	.105	.102
7800	.157	.152	.148	.143	.139	.135	.131	.127	.123	.119	.115	.111	.108	.104	.101	.097
8000	.153	.148	.143	.139	.135	.130	.126	.122	.118	.114	.111	.107	.103	.099	.096	.092
8500	.143	.138	.133	.129	.124	.120	.116	.111	.107	.103	.099	.095	.091	.087	.083	.079
9000	.133	.128	.124	.119	.114	.110	.105	.101	.096	.092	.088	.083	.079	.075	.071	.067
9500	.124	.119	.114	.109	.104	.100	.095	.090	.085	.080	.075	.070	.065	.060	.056	.052
10000	.115	.110	.105	.100	.094	.089	.084	.079	.074	.068	.063	.057	.052	.047	.042	.038
10500	.106	.101	.095	.090	.085	.079	.074	.068	.062	.056	.051	.045	.040	.035	.030	.026
11000	.098	.092	.086	.081	.075	.069	.062	.056	.050	.044	.038	.032	.027	.022	.017	.013
11500	.089	.083	.077	.071	.065	.059	.052	.046	.040	.034	.028	.022	.017	.012	.007	.003
12000	.081	.075	.069	.063	.057	.051	.044	.038	.032	.026	.020	.014	.009	.004	.000	.000
12500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 60.0 DEGREES DELTA= 40.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.427															
200	.411	.396														
300	.399	.385	.373													
400	.389	.375	.364	.354												
500	.379	.366	.355	.346	.337											
600	.371	.358	.347	.338	.330	.322										
700	.362	.350	.340	.331	.323	.315	.308									
800	.355	.343	.333	.324	.316	.309	.302	.295								
900	.347	.336	.326	.317	.309	.302	.295	.289	.283							
1000	.340	.329	.319	.311	.303	.296	.289	.283	.277	.272						
1100	.333	.322	.313	.304	.297	.290	.284	.277	.272	.266	.261	.256				
1200	.327	.316	.307	.298	.291	.284	.278	.272	.266	.261	.256	.251				
1300	.320	.310	.300	.292	.285	.278	.272	.266	.261	.255	.250	.245	.241			
1400	.314	.304	.295	.287	.279	.273	.267	.261	.255	.250	.245	.240	.236	.231		
1500	.308	.298	.289	.281	.274	.267	.261	.255	.250	.245	.240	.235	.231	.226	.222	
1600	.302	.292	.283	.275	.268	.262	.256	.250	.245	.240	.235	.230	.225	.221	.217	.213
1700	.296	.286	.278	.270	.263	.257	.250	.245	.239	.234	.229	.225	.220	.216	.212	.208
1800	.290	.281	.272	.265	.258	.251	.245	.240	.234	.229	.224	.220	.215	.211	.207	.203
1900	.285	.275	.267	.259	.252	.246	.240	.235	.229	.224	.219	.215	.210	.206	.202	.198
2000	.279	.270	.261	.254	.247	.241	.235	.229	.224	.219	.214	.210	.205	.201	.197	.193
2100	.273	.264	.256	.249	.242	.236	.230	.224	.219	.214	.209	.205	.200	.196	.192	.188
2200	.268	.259	.251	.243	.237	.231	.225	.219	.214	.209	.204	.200	.195	.191	.187	.183
2300	.263	.254	.246	.238	.232	.226	.220	.214	.209	.204	.199	.194	.190	.186	.182	.178
2400	.257	.248	.240	.233	.227	.221	.215	.209	.204	.199	.194	.189	.185	.181	.177	.173
2500	.252	.243	.235	.228	.222	.216	.210	.204	.199	.194	.189	.185	.180	.176	.172	.168
2600	.247	.238	.230	.223	.217	.211	.205	.199	.194	.189	.184	.180	.175	.171	.167	.163
2700	.242	.233	.225	.218	.212	.206	.200	.194	.189	.184	.179	.175	.170	.166	.162	.158
2800	.237	.228	.220	.213	.207	.201	.195	.189	.184	.179	.174	.170	.165	.161	.157	.153
2900	.232	.223	.215	.208	.202	.196	.190	.184	.179	.174	.169	.165	.160	.156	.151	.147
3000	.227	.218	.210	.203	.197	.191	.185	.179	.174	.169	.164	.159	.155	.150	.146	.142
3100	.222	.213	.205	.198	.192	.186	.180	.174	.169	.164	.159	.154	.150	.145	.141	.137
3200	.217	.208	.200	.193	.187	.181	.175	.169	.164	.159	.154	.149	.144	.140	.135	.131
3400	.207	.198	.191	.184	.177	.171	.165	.159	.154	.148	.143	.138	.133	.129	.124	.120
3600	.197	.189	.181	.174	.167	.161	.155	.149	.143	.138	.132	.127	.122	.117	.112	.107
3800	.187	.179	.171	.164	.157	.151	.144	.138	.132	.127	.121	.116	.110	.105	.100	.094
4000	.178	.169	.162	.154	.147	.140	.134	.128	.121	.115	.109	.103	.097	.092	.086	.080
4200	.168	.160	.152	.144	.137	.130	.123	.116	.110	.103	.097	.090	.083	.077	.070	.063
4400	.159	.150	.142	.134	.126	.119	.112	.105	.097	.090	.083	.075	.067	.059	.050	.040
4600	.149	.140	.132	.124	.116	.108	.100	.092	.084	.076	.067	.058	.047	.038	.028	.010
4800	.140	.130	.121	.113	.104	.096	.087	.078	.069	.059	.050	.040	.030	.020	.010	.000
5000	.130	.120	.111	.101	.092	.083	.073	.060	.050	.040	.030	.020	.010	.000	.000	.000
5200	.120	.110	.100	.090	.079	.060	.050	.040	.030	.020	.010	.000	.000	.000	.000	.000
5400	.110	.099	.088	.070	.060	.050	.040	.030	.020	.010	.000	.000	.000	.000	.000	.000
5600	.099	.080	.060	.050	.040	.030	.020	.010	.000	.000	.000	.000	.000	.000	.000	.000
5800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 60.0 DEGREES DELTA= 50.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.412															
200	.393	.376														
300	.377	.360	.347													
400	.363	.347	.334	.323												
500	.350	.335	.322	.312	.302											
600	.338	.323	.311	.300	.291	.282										
700	.327	.312	.300	.290	.280	.272	.264									
800	.316	.301	.290	.279	.270	.262	.254	.247								
900	.305	.291	.279	.269	.260	.252	.244	.237	.230							
1000	.295	.281	.269	.259	.250	.242	.234	.227	.220	.214						
1100	.285	.271	.260	.250	.241	.232	.225	.217	.211	.204	.198					
1200	.274	.261	.250	.240	.231	.222	.215	.208	.201	.194	.188	.182				
1300	.265	.251	.240	.230	.221	.213	.205	.198	.191	.184	.178	.172	.166			
1400	.255	.242	.230	.220	.211	.203	.195	.188	.181	.174	.168	.162	.156	.150		
1500	.245	.232	.221	.211	.201	.193	.185	.177	.170	.163	.157	.151	.145	.139	.133	.127
1600	.235	.222	.211	.201	.191	.183	.175	.167	.160	.153	.146	.139	.133	.127	.121	.115
1700	.225	.212	.201	.191	.181	.172	.164	.156	.149	.141	.134	.127	.121	.114	.108	.102
1800	.215	.202	.191	.181	.171	.162	.153	.145	.137	.129	.122	.115	.107	.100	.093	.087
1900	.206	.192	.181	.170	.160	.151	.142	.133	.125	.117	.109	.101	.093	.085	.077	.070
2000	.196	.182	.170	.159	.149	.139	.130	.121	.112	.103	.094	.085	.076	.066	.056	.044
2100	.186	.172	.160	.148	.138	.127	.117	.107	.097	.087	.077	.066	.054	.044	.032	.000
2200	.175	.161	.149	.137	.126	.114	.103	.092	.081	.069	.055	.044	.033	.022	.010	.000
2300	.165	.151	.137	.125	.113	.100	.088	.075	.061	.044	.000	.000	.000	.000	.000	.000
2400	.154	.139	.125	.112	.098	.085	.070	.053	.000	.000	.000	.000	.000	.000	.000	.000
2500	.143	.127	.112	.098	.082	.066	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2600	.131	.115	.098	.082	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2700	.119	.101	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2800	.106	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2900	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 60.0 DEGREES DELTA= 60.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.386															
200	.358	.337														
300	.335	.314	.298													
400	.313	.293	.277	.263												
500	.292	.272	.256	.243	.231											
600	.272	.252	.236	.222	.210	.198										
700	.252	.232	.216	.202	.189	.177	.166									
800	.232	.212	.195	.180	.166	.153	.141	.130								
900	.211	.191	.173	.157	.142	.127	.113	.100	.086							
1000	.190	.168	.149	.131	.114	.096	.078	.058	.031	.000						
1100	.167	.143	.122	.100	.078	.051	.000	.000	.000	.000	.000					
1200	.142	.115	.088	.058	.000	.000	.000	.000	.000	.000	.000	.000	.000			
1300	.113	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		
1400	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 60.0 DEGREES DELTA= 70.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.329															
200	.277	.246														
300	.227	.193	.166													
400	.172	.132	.093	.045												
500	.100	.000	.000	.000	.000											

G-247

ETA= 80.0 DEGREES

DELTA= 10.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.443															
200	.432	.420														
300	.423	.412	.403													
400	.416	.405	.396	.388												
500	.409	.398	.390	.382	.376											
600	.403	.393	.384	.377	.371	.365										
700	.398	.387	.379	.372	.366	.360	.355									
800	.393	.382	.374	.367	.361	.356	.351	.346								
900	.388	.378	.370	.363	.357	.352	.346	.342	.337							
1000	.384	.373	.366	.359	.353	.348	.343	.338	.334	.329						
1100	.379	.369	.362	.355	.349	.344	.339	.334	.330	.326	.322					
1200	.375	.365	.358	.351	.346	.340	.336	.331	.327	.323	.319	.315				
1300	.371	.361	.354	.348	.342	.337	.332	.328	.324	.320	.316	.312	.309			
1400	.367	.358	.350	.344	.339	.334	.329	.325	.320	.317	.313	.309	.306	.302		
1500	.363	.354	.347	.341	.335	.330	.326	.322	.317	.314	.310	.306	.303	.300	.297	
1600	.360	.351	.343	.337	.332	.327	.323	.319	.315	.311	.307	.304	.300	.297	.294	.291
1700	.356	.347	.340	.334	.329	.324	.320	.316	.312	.308	.305	.301	.298	.295	.292	.289
1800	.353	.344	.337	.331	.326	.321	.317	.313	.309	.305	.302	.299	.295	.292	.289	.286
1900	.349	.341	.334	.328	.323	.318	.314	.310	.306	.303	.299	.296	.293	.290	.287	.284
2000	.346	.338	.331	.325	.320	.316	.311	.307	.304	.300	.297	.294	.290	.287	.285	.282
2100	.343	.334	.328	.322	.317	.313	.309	.305	.301	.298	.294	.291	.288	.285	.282	.280
2200	.340	.331	.325	.319	.315	.310	.306	.302	.299	.295	.292	.289	.286	.283	.280	.277
2300	.337	.329	.322	.317	.312	.308	.304	.300	.296	.293	.290	.287	.284	.281	.278	.275
2400	.334	.326	.319	.314	.309	.305	.301	.297	.294	.291	.287	.284	.281	.279	.276	.273
2500	.331	.323	.317	.311	.307	.303	.299	.295	.292	.288	.285	.282	.279	.276	.274	.271
2600	.328	.320	.314	.309	.304	.300	.296	.293	.289	.286	.283	.280	.277	.274	.272	.269
2700	.325	.317	.311	.306	.302	.298	.294	.290	.287	.284	.281	.278	.275	.272	.270	.267
2800	.322	.315	.309	.304	.299	.295	.292	.288	.285	.282	.279	.276	.273	.270	.268	.265
2900	.320	.312	.306	.301	.297	.293	.289	.286	.283	.279	.277	.274	.271	.268	.266	.263
3000	.317	.309	.304	.299	.295	.291	.287	.284	.280	.277	.274	.272	.269	.266	.264	.262
3100	.314	.307	.301	.296	.292	.288	.285	.281	.278	.275	.272	.270	.267	.265	.262	.260
3200	.312	.304	.299	.294	.290	.286	.283	.279	.276	.273	.270	.268	.265	.263	.260	.258
3400	.307	.300	.294	.290	.285	.282	.278	.275	.272	.269	.267	.264	.261	.259	.257	.254
3600	.302	.295	.290	.285	.281	.278	.274	.271	.268	.265	.263	.260	.258	.255	.253	.251
3800	.297	.290	.285	.281	.277	.273	.270	.267	.264	.262	.259	.257	.254	.252	.250	.247
4000	.292	.286	.281	.277	.273	.269	.266	.263	.261	.258	.255	.253	.251	.248	.246	.244
4200	.288	.282	.277	.272	.269	.266	.262	.260	.257	.254	.252	.250	.247	.245	.243	.241
4400	.283	.277	.273	.269	.265	.262	.259	.256	.253	.251	.249	.246	.244	.242	.240	.238
4600	.279	.273	.269	.265	.261	.258	.255	.252	.250	.248	.245	.243	.241	.239	.237	.235
4800	.275	.269	.265	.261	.258	.254	.252	.249	.247	.244	.242	.240	.238	.236	.234	.232
5000	.271	.265	.261	.257	.254	.251	.248	.246	.243	.241	.239	.237	.235	.233	.231	.229
5200	.267	.262	.257	.254	.250	.248	.245	.242	.240	.238	.236	.234	.232	.230	.228	.226
5400	.263	.258	.254	.250	.247	.244	.242	.239	.237	.235	.233	.231	.229	.227	.225	.223
5600	.260	.254	.250	.247	.244	.241	.238	.236	.234	.232	.230	.228	.226	.224	.222	.221
5800	.256	.251	.247	.243	.240	.238	.235	.233	.231	.229	.227	.225	.223	.221	.220	.218
6000	.252	.247	.243	.240	.237	.235	.232	.230	.228	.226	.224	.222	.220	.219	.217	.215
6200	.249	.244	.240	.237	.234	.232	.229	.227	.225	.223	.221	.219	.218	.216	.214	.213
6400	.246	.241	.237	.234	.231	.229	.226	.224	.222	.220	.218	.217	.215	.213	.212	.210
6600	.242	.238	.234	.231	.228	.226	.223	.221	.219	.217	.215	.214	.212	.211	.209	.208
6800	.239	.234	.231	.228	.225	.223	.221	.219	.217	.215	.213	.211	.210	.208	.207	.205
7000	.236	.231	.228	.225	.222	.220	.218	.216	.214	.212	.210	.209	.207	.206	.204	.203
7200	.233	.228	.225	.222	.220	.217	.215	.213	.211	.209	.207	.206	.204	.202	.201	.200
7400	.230	.225	.222	.219	.217	.215	.213	.211	.209	.207	.206	.204	.202	.201	.200	.198
7600	.227	.223	.219	.216	.214	.212	.210	.208	.206	.205	.203	.202	.200	.199	.197	.196
7800	.224	.220	.217	.214	.211	.209	.207	.206	.204	.202	.201	.199	.198	.196	.195	.194
8000	.221	.217	.214	.211	.209	.207	.205	.203	.201	.200	.198	.197	.196	.194	.193	.192
8500	.214	.210	.207	.205	.203	.201	.199	.197	.196	.194	.193	.191	.190	.189	.188	.186
9000	.208	.204	.201	.199	.197	.195	.193	.192	.190	.189	.187	.186	.185	.184	.182	.181
9500	.202	.198	.195	.193	.191	.189	.188	.186	.185	.184	.182	.181	.180	.179	.178	.177
10000	.196	.192	.189	.188	.186	.184	.183	.181	.180	.179	.177	.176	.175	.174	.173	.172
10500	.190	.187	.184	.182	.181	.179	.178	.176	.175	.174	.173	.172	.170	.169	.168	.168
11000	.185	.182	.179	.177	.176	.174	.173	.172	.170	.169	.168	.167	.166	.165	.164	.163
11500	.180	.177	.175	.173	.171	.170	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159
12000	.175	.172	.170	.168	.167	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155
12500	.170	.168	.165	.164	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.152
13000	.166	.163	.161	.160	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.149	.148
13500	.161	.159	.157	.156	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.144
14000	.157	.155	.153	.152	.150	.149	.148	.147	.146	.145	.144	.143	.143	.142	.141	.141
14500	.154	.151	.149	.148	.147	.146	.145	.144	.143	.142	.141	.141	.140	.139	.139	.138
15000	.150	.148	.146	.144	.143	.142	.141	.140	.140	.139	.138	.137	.137	.136	.135	.135
15500	.146	.144	.142	.141	.140	.139	.138	.137	.136	.136	.135	.134	.134	.133	.132	.132
16000	.143	.141	.139	.138	.137	.136	.135	.134	.133	.133	.132	.131	.131	.130	.130	.129
17000	.136	.134	.133	.132	.131	.130	.129	.128	.127	.127	.126	.126	.125	.125	.124	.123
18000	.130	.128	.127	.126	.125	.124	.123	.123	.122	.121	.121	.120	.120	.119	.119	.118
19000	.124	.123	.122	.121	.120	.119	.118	.118	.117	.116	.116	.115	.115	.114	.114	.114
20000	.119	.118	.116	.116	.115	.114	.113	.113	.112	.112	.111	.111	.110	.110	.110	.109
21000	.114	.113	.112	.111	.110	.109	.109	.108	.108	.107	.107	.106	.106	.106	.105	.105
22000	.110	.108	.107	.107	.106	.105	.105	.104	.104	.103	.103	.102	.102	.102	.101	.101
23000	.106	.104	.103	.102	.102	.101	.101	.100	.100	.099	.099	.099	.098	.098	.098	.097
24000	.102	.100	.099	.099	.098	.097	.097	.097	.096	.096	.095	.095	.095	.094	.094	.094
25000	.098	.097	.096	.095	.094	.094	.093	.093	.093	.092	.092	.092	.091	.091	.091	.091
26000	.094	.093	.092	.092	.091	.091	.090	.090	.089	.089	.089	.089	.088	.088	.088	.087
27000	.091	.090	.089	.088	.088	.087	.087	.086	.086	.086	.086	.085	.085	.085	.085	.085
28000	.088	.087	.086	.085	.085	.085	.084	.084	.084	.083	.083	.083	.082	.082	.082	.082
29000	.085	.084	.083	.083	.082	.082	.081	.081	.081	.081	.080	.080	.080	.080	.079	.079
30000	.082	.081	.080	.080	.079	.079	.079	.078	.078	.078	.078	.077	.077	.077	.077	.077
31000	.079	.079	.078	.077	.077	.077	.076	.076	.076	.075	.075	.075	.075	.075	.074	.074
32000	.077	.076	.075	.075	.075	.074	.074	.074	.073	.073	.073	.073	.073	.072	.072	.072
37000	.0															

BETA= 80.0 DEGREES		DELTA= 20.0 DEGREES														
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.440															
200	.428	.416														
300	.419	.407	.398													
400	.411	.400	.390	.383												
500	.405	.393	.384	.376	.370											
600	.398	.387	.378	.371	.364	.358										
700	.393	.381	.373	.365	.359	.353	.347									
800	.387	.376	.368	.360	.354	.348	.343	.338								
900	.382	.371	.363	.356	.349	.344	.338	.333	.329							
1000	.377	.367	.358	.351	.345	.339	.334	.329	.325	.320						
1100	.372	.362	.354	.347	.341	.335	.330	.325	.321	.317	.312					
1200	.368	.358	.350	.343	.337	.332	.326	.322	.317	.313	.309	.305				
1300	.364	.354	.346	.339	.333	.328	.323	.318	.314	.310	.306	.302	.298			
1400	.360	.350	.342	.335	.330	.324	.319	.315	.310	.306	.302	.299	.295	.291		
1500	.356	.346	.338	.332	.326	.321	.316	.311	.307	.303	.299	.295	.292	.288	.285	
1600	.352	.342	.335	.328	.323	.317	.313	.308	.304	.300	.296	.293	.289	.286	.282	.279
1700	.348	.338	.331	.325	.319	.314	.309	.305	.301	.297	.293	.290	.286	.283	.280	.276
1800	.344	.335	.328	.321	.316	.311	.306	.302	.298	.294	.290	.287	.283	.280	.277	.274
1900	.341	.331	.324	.318	.313	.308	.303	.299	.295	.291	.288	.284	.281	.277	.274	.271
2000	.337	.328	.321	.315	.310	.305	.300	.296	.292	.288	.285	.281	.278	.275	.272	.269
2100	.334	.325	.318	.312	.307	.302	.297	.293	.289	.286	.282	.279	.275	.272	.269	.266
2200	.330	.322	.315	.309	.304	.299	.295	.290	.287	.283	.280	.276	.273	.270	.267	.264
2300	.327	.318	.312	.306	.301	.296	.292	.288	.284	.280	.277	.274	.270	.267	.264	.262
2400	.324	.315	.309	.303	.298	.293	.289	.285	.281	.278	.274	.271	.268	.265	.262	.259
2500	.321	.312	.306	.300	.295	.291	.286	.282	.279	.275	.272	.269	.266	.263	.260	.257
2600	.318	.309	.303	.297	.292	.288	.284	.280	.276	.273	.270	.266	.263	.260	.257	.255
2700	.315	.306	.300	.295	.290	.285	.281	.277	.274	.270	.267	.264	.261	.258	.255	.253
2800	.312	.304	.297	.292	.287	.283	.279	.275	.271	.268	.265	.262	.259	.256	.253	.250
2900	.309	.301	.294	.289	.284	.280	.276	.273	.269	.266	.263	.259	.257	.254	.251	.248
3000	.306	.298	.292	.287	.282	.278	.274	.270	.267	.263	.260	.257	.254	.252	.249	.246
3100	.303	.295	.289	.284	.279	.275	.271	.268	.264	.261	.258	.255	.252	.249	.247	.244
3200	.300	.293	.287	.281	.277	.273	.269	.265	.262	.259	.256	.253	.250	.247	.245	.242
3400	.295	.287	.282	.277	.272	.268	.264	.261	.258	.255	.252	.249	.246	.243	.241	.238
3600	.290	.282	.277	.272	.267	.264	.260	.257	.253	.250	.247	.245	.242	.239	.237	.234
3800	.285	.277	.272	.267	.263	.259	.256	.252	.249	.246	.243	.241	.238	.235	.233	.231
4000	.280	.273	.267	.263	.259	.255	.251	.248	.245	.242	.239	.237	.234	.232	.229	.227
4200	.275	.268	.263	.258	.254	.251	.247	.244	.241	.238	.236	.233	.230	.228	.226	.223
4400	.270	.264	.258	.254	.250	.247	.243	.240	.237	.234	.232	.229	.227	.224	.222	.220
4600	.266	.259	.254	.250	.246	.243	.239	.236	.234	.231	.228	.226	.223	.221	.219	.217
4800	.261	.255	.250	.246	.242	.239	.236	.233	.230	.227	.225	.222	.220	.218	.215	.213
5000	.257	.251	.246	.242	.238	.235	.232	.229	.226	.224	.221	.219	.217	.214	.212	.210
5200	.253	.247	.242	.238	.235	.231	.228	.225	.223	.220	.218	.215	.213	.211	.209	.207
5400	.249	.243	.238	.234	.231	.228	.225	.222	.219	.217	.215	.212	.210	.208	.206	.204
5600	.245	.239	.235	.231	.227	.224	.221	.219	.216	.214	.211	.209	.207	.205	.203	.201
5800	.241	.236	.231	.227	.224	.221	.218	.215	.213	.210	.208	.206	.204	.202	.200	.198
6000	.238	.232	.228	.224	.221	.218	.215	.212	.210	.207	.205	.203	.201	.199	.197	.195
6200	.234	.228	.224	.220	.217	.214	.212	.209	.207	.204	.202	.200	.198	.196	.194	.192
6400	.230	.225	.221	.217	.214	.211	.208	.206	.204	.201	.199	.197	.195	.193	.191	.189
6600	.227	.222	.217	.214	.211	.208	.205	.203	.201	.198	.196	.194	.192	.190	.188	.187
6800	.224	.218	.214	.211	.208	.205	.202	.200	.198	.196	.193	.191	.189	.188	.186	.184
7000	.220	.215	.211	.208	.205	.202	.200	.197	.195	.193	.191	.189	.187	.185	.183	.181
7200	.217	.212	.208	.205	.202	.199	.197	.194	.192	.189	.187	.185	.183	.182	.180	.178
7400	.214	.209	.205	.202	.199	.196	.194	.192	.189	.187	.185	.183	.181	.179	.177	.176
7600	.211	.206	.202	.199	.196	.194	.191	.189	.187	.185	.183	.181	.179	.177	.176	.174
7800	.208	.203	.199	.196	.193	.191	.189	.186	.184	.182	.180	.178	.177	.175	.173	.172
8000	.205	.200	.197	.193	.191	.188	.186	.184	.182	.180	.178	.176	.174	.173	.171	.169
8500	.198	.193	.190	.187	.184	.182	.180	.178	.176	.174	.172	.170	.168	.167	.165	.164
9000	.191	.187	.184	.181	.178	.176	.174	.172	.170	.168	.166	.165	.163	.161	.160	.158
9500	.185	.181	.178	.175	.172	.170	.168	.166	.164	.163	.161	.159	.158	.156	.155	.153
10000	.179	.175	.172	.169	.167	.165	.163	.161	.159	.157	.156	.154	.153	.151	.150	.148
10500	.173	.169	.166	.164	.162	.159	.158	.156	.154	.152	.151	.149	.148	.146	.145	.144
11000	.168	.164	.161	.159	.157	.155	.153	.151	.149	.148	.146	.145	.143	.142	.140	.139
11500	.163	.159	.156	.154	.152	.150	.148	.146	.145	.143	.142	.140	.139	.138	.136	.135
12000	.158	.154	.152	.149	.147	.145	.144	.142	.140	.139	.138	.136	.135	.133	.132	.131
12500	.153	.150	.147	.145	.143	.141	.139	.138	.136	.135	.133	.132	.131	.129	.128	.127
13000	.149	.145	.143	.141	.139	.137	.135	.134	.132	.131	.130	.128	.127	.126	.124	.123
13500	.144	.141	.139	.137	.135	.133	.132	.130	.129	.127	.126	.125	.123	.122	.121	.120
14000	.140	.137	.135	.133	.131	.129	.128	.126	.125	.124	.122	.121	.120	.119	.117	.116
14500	.136	.134	.131	.129	.127	.126	.124	.123	.122	.120	.119	.118	.117	.115	.114	.113
15000	.133	.130	.128	.126	.124	.122	.121	.120	.118	.117	.116	.115	.113	.112	.111	.110
15500	.129	.126	.124	.122	.121	.119	.118	.116	.115	.114	.113	.111	.110	.109	.108	.107
16000	.126	.123	.121	.119	.118	.116	.115	.113	.112	.111	.110	.108	.107	.106	.105	.104
17000	.119	.117	.115	.113	.112	.110	.109	.108	.106	.105	.104	.103	.102	.101	.100	.099
18000	.113	.111	.109	.108	.106	.105	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094
19000	.108	.106	.104	.102	.101	.100	.099	.097	.096	.095	.094	.093	.092	.091	.090	.089
20000	.103	.101	.099	.098	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085
21000	.098	.096	.095	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081
22000	.094	.092	.091	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077
23000	.090	.088	.087	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.074
24000	.086	.085	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070
25000	.083	.081	.080	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.067
26000	.080	.078	.077	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.064
27000	.076	.075	.074	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.061
28000	.074	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.059
29000	.071	.069	.068	.067	.066	.065	.064	.064	.063	.062	.061	.060	.059	.058	.057	.057
30000	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.054
31000	.066	.065	.063	.062	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.052
32000	.064	.062	.061	.060	.059	.059	.058	.057	.056	.055	.055	.054	.053	.		

META= 60.0 DEGREES

DELTA= 30.0 DEGREES

*KP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.475															
200	.422	.409														
300	.412	.359	.389													
400	.403	.351	.381	.372												
500	.396	.343	.373	.365	.358											
600	.389	.376	.367	.359	.351	.345										
700	.382	.370	.361	.353	.345	.339										
800	.376	.364	.355	.347	.340	.334	.328	.322								
900	.371	.359	.350	.342	.335	.329	.323	.317	.312							
1000	.365	.353	.344	.337	.330	.324	.318	.313	.308	.303						
1100	.360	.348	.340	.332	.325	.319	.313	.308	.303	.298	.294					
1200	.355	.344	.335	.327	.321	.315	.309	.304	.299	.294	.290	.286				
1300	.350	.339	.330	.323	.316	.310	.305	.300	.295	.290	.286	.282	.278			
1400	.345	.334	.326	.319	.312	.306	.301	.296	.291	.286	.282	.278	.274	.270		
1500	.341	.330	.322	.314	.308	.302	.297	.292	.287	.283	.278	.274	.270	.266	.263	
1600	.336	.326	.318	.310	.304	.298	.293	.288	.284	.279	.275	.271	.267	.263	.259	.256
1700	.332	.322	.314	.307	.300	.295	.289	.285	.280	.276	.271	.267	.263	.260	.256	.253
1800	.328	.318	.310	.303	.297	.291	.286	.281	.276	.272	.268	.264	.260	.256	.253	.249
1900	.324	.314	.306	.299	.293	.287	.282	.278	.273	.269	.265	.261	.257	.253	.250	.246
2000	.320	.310	.302	.295	.289	.284	.279	.274	.270	.265	.261	.257	.254	.250	.247	.243
2100	.316	.306	.298	.292	.286	.280	.276	.271	.266	.262	.258	.254	.251	.247	.244	.240
2200	.312	.303	.295	.288	.282	.277	.272	.268	.263	.259	.255	.251	.248	.244	.241	.237
2300	.309	.299	.291	.285	.279	.274	.269	.264	.260	.256	.252	.248	.245	.241	.238	.234
2400	.305	.296	.288	.282	.276	.271	.266	.261	.257	.253	.249	.245	.242	.238	.235	.232
2500	.302	.292	.285	.278	.273	.267	.263	.258	.254	.250	.246	.242	.239	.235	.232	.229
2600	.298	.289	.281	.275	.270	.264	.260	.255	.251	.247	.243	.240	.236	.233	.229	.226
2700	.295	.285	.278	.272	.266	.261	.257	.252	.248	.244	.240	.237	.233	.230	.227	.223
2800	.291	.282	.275	.269	.263	.258	.254	.249	.245	.241	.238	.234	.230	.227	.224	.221
2900	.288	.279	.272	.266	.260	.255	.251	.247	.242	.239	.235	.231	.228	.224	.221	.218
3000	.285	.276	.269	.263	.257	.253	.248	.244	.240	.236	.232	.229	.225	.222	.219	.215
3100	.282	.273	.266	.260	.255	.250	.245	.241	.237	.233	.229	.226	.223	.219	.216	.213
3200	.279	.270	.263	.257	.252	.247	.242	.238	.234	.231	.227	.223	.220	.217	.214	.210
3400	.273	.264	.257	.251	.246	.242	.237	.233	.229	.225	.222	.218	.215	.212	.209	.206
3600	.267	.258	.252	.246	.241	.236	.232	.228	.224	.220	.217	.213	.210	.207	.204	.201
3800	.261	.253	.246	.241	.236	.231	.227	.223	.219	.215	.212	.209	.205	.202	.199	.196
4000	.256	.248	.241	.236	.231	.226	.222	.218	.214	.211	.207	.204	.201	.198	.195	.192
4200	.250	.242	.236	.231	.226	.221	.217	.213	.210	.206	.203	.199	.196	.193	.190	.187
4400	.245	.237	.231	.226	.221	.217	.213	.209	.205	.202	.198	.195	.192	.189	.186	.183
4600	.240	.233	.227	.221	.217	.212	.208	.204	.201	.197	.194	.191	.188	.185	.182	.179
4800	.235	.228	.222	.217	.212	.208	.204	.200	.197	.193	.190	.187	.184	.181	.178	.175
5000	.231	.223	.217	.212	.208	.204	.200	.196	.192	.189	.186	.183	.179	.176	.174	.171
5200	.226	.219	.213	.208	.204	.199	.196	.192	.188	.185	.182	.179	.176	.173	.170	.167
5400	.222	.215	.209	.204	.199	.195	.192	.188	.184	.181	.178	.175	.172	.169	.166	.163
5600	.217	.210	.205	.200	.195	.191	.188	.184	.181	.177	.174	.171	.168	.165	.162	.159
5800	.213	.206	.201	.196	.192	.188	.184	.180	.177	.174	.170	.167	.164	.161	.158	.156
6000	.209	.202	.197	.192	.188	.184	.180	.177	.173	.170	.167	.164	.161	.158	.155	.152
6200	.205	.199	.193	.188	.184	.180	.177	.173	.170	.166	.163	.160	.157	.154	.151	.149
6400	.201	.195	.189	.185	.181	.177	.173	.170	.166	.163	.160	.157	.154	.151	.148	.145
6600	.198	.191	.186	.181	.177	.173	.170	.166	.163	.160	.156	.153	.150	.148	.145	.142
6800	.194	.188	.182	.178	.174	.170	.166	.163	.159	.156	.153	.150	.147	.144	.141	.139
7000	.190	.184	.179	.174	.170	.167	.163	.160	.156	.153	.150	.147	.144	.141	.138	.135
7200	.187	.181	.176	.171	.167	.163	.160	.156	.153	.150	.147	.144	.141	.138	.135	.132
7400	.184	.177	.172	.168	.164	.160	.157	.153	.150	.147	.144	.141	.138	.135	.132	.129
7600	.180	.174	.169	.165	.161	.157	.154	.150	.147	.144	.141	.138	.135	.132	.129	.126
7800	.177	.171	.166	.162	.158	.154	.151	.147	.144	.141	.138	.135	.132	.129	.126	.123
8000	.174	.168	.163	.159	.155	.151	.148	.145	.141	.138	.135	.132	.129	.126	.123	.121
8500	.167	.161	.156	.152	.148	.144	.141	.138	.134	.131	.128	.125	.122	.119	.117	.114
9000	.159	.154	.149	.145	.141	.138	.134	.131	.128	.125	.122	.119	.116	.113	.110	.107
9500	.153	.147	.143	.139	.135	.132	.128	.125	.122	.119	.116	.113	.110	.107	.104	.101
10000	.147	.141	.137	.133	.129	.126	.123	.119	.116	.113	.110	.107	.104	.101	.098	.095
10500	.141	.136	.131	.127	.124	.120	.117	.114	.111	.108	.105	.102	.098	.095	.092	.089
11000	.135	.130	.126	.122	.119	.115	.112	.109	.106	.102	.099	.096	.093	.090	.087	.084
11500	.130	.125	.121	.117	.114	.110	.107	.104	.101	.098	.094	.091	.088	.085	.082	.079
12000	.125	.120	.116	.112	.109	.106	.102	.099	.096	.093	.090	.087	.084	.080	.077	.074
12500	.120	.116	.112	.108	.105	.101	.098	.095	.092	.089	.085	.082	.079	.076	.072	.069
13000	.116	.111	.107	.104	.100	.097	.094	.091	.088	.084	.081	.078	.075	.071	.068	.064
13500	.112	.107	.103	.100	.096	.093	.090	.087	.084	.080	.077	.074	.071	.067	.064	.060
14000	.108	.103	.100	.096	.093	.089	.086	.083	.079	.076	.073	.070	.066	.063	.059	.056
14500	.104	.100	.096	.092	.089	.086	.082	.079	.076	.073	.070	.066	.063	.059	.056	.052
15000	.101	.096	.092	.089	.086	.082	.079	.076	.073	.070	.066	.063	.059	.056	.052	.048
15500	.097	.093	.089	.086	.082	.079	.076	.073	.070	.066	.063	.059	.056	.052	.048	.044
16000	.094	.090	.086	.083	.079	.076	.073	.070	.067	.063	.060	.056	.052	.049	.044	.040
17000	.088	.084	.080	.077	.074	.070	.067	.064	.061	.057	.054	.050	.046	.042	.038	.034
18000	.082	.079	.075	.072	.068	.065	.062	.059	.055	.052	.048	.044	.040	.036	.032	.028
19000	.077	.074	.070	.067	.064	.061	.057	.054	.051	.047	.043	.040	.036	.032	.028	.024
20000	.073	.069	.066	.063	.059	.056	.053	.050	.046	.043	.040	.036	.032	.028	.024	.020
21000	.069	.065	.062	.059	.055	.052	.049	.046	.042	.039	.036	.032	.028	.024	.020	.016
22000	.065	.061	.058	.055	.052	.049	.045	.042	.039	.036	.032	.028	.024	.020	.016	.012
23000	.061	.058	.055	.052	.049	.045	.042	.039	.036	.032	.028	.024	.020	.016	.012	.008
24000	.058	.055	.052	.049	.045	.042	.039	.036	.032	.028	.024	.020	.016	.012	.008	.004
25000	.055	.052	.049	.046	.043	.040	.036	.032	.028	.024	.020	.016	.012	.008	.004	.000
26000	.052	.049	.046	.043	.040	.036	.032	.028	.024	.020	.016	.012	.008	.004	.000	.000
27000	.050	.047	.044	.041	.038	.034	.030	.026	.022	.018	.014	.010	.006	.002	.000	.000
28000	.047	.044	.041	.038	.034	.030	.026	.022	.018	.014	.010	.006	.002	.000	.000	.000
29000	.045	.042	.039	.036	.032	.028	.024	.020	.016	.012	.008	.004	.000	.000	.000	.000
30000	.043	.040	.037	.034	.030	.026	.022	.018	.014	.010	.006	.002	.000	.000	.000	.000
31000	.041	.038	.035	.032	.028	.024	.020	.016	.012	.008	.004	.000	.000	.000	.000	.000
32000	.039	.036	.033	.030	.026	.022	.018	.014								

BETA= 80.0 DEGREES DELTA= 40.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.427															
200	.411	.356														
300	.400	.385	.373													
400	.390	.375	.364	.354												
500	.381	.366	.355	.346	.337											
600	.372	.358	.347	.338	.330	.322										
700	.365	.351	.340	.331	.323	.315	.308									
800	.358	.344	.333	.324	.316	.309	.302	.295								
900	.351	.337	.327	.318	.310	.302	.296	.289	.283							
1000	.344	.331	.321	.312	.304	.296	.290	.284	.278	.272						
1100	.338	.325	.315	.306	.298	.291	.284	.278	.272	.266	.261					
1200	.332	.319	.309	.300	.292	.285	.279	.273	.267	.261	.256	.251				
1300	.326	.313	.303	.295	.287	.280	.273	.267	.262	.256	.251	.246	.241			
1400	.321	.308	.298	.289	.282	.275	.268	.262	.256	.251	.246	.241	.236	.231		
1500	.315	.303	.293	.284	.277	.270	.263	.257	.252	.246	.241	.236	.231	.226	.222	
1600	.310	.298	.288	.279	.272	.265	.258	.252	.247	.241	.236	.231	.226	.222	.217	.213
1700	.305	.293	.283	.274	.267	.260	.254	.248	.242	.237	.232	.227	.222	.217	.213	.208
1800	.300	.288	.278	.270	.262	.255	.249	.243	.238	.232	.227	.222	.217	.213	.208	.204
1900	.295	.283	.273	.265	.258	.251	.245	.239	.233	.228	.223	.218	.213	.208	.204	.199
2000	.290	.278	.269	.261	.253	.246	.240	.234	.229	.223	.218	.213	.208	.204	.199	.195
2100	.286	.274	.264	.256	.249	.242	.236	.230	.224	.219	.214	.209	.204	.199	.195	.191
2200	.281	.269	.260	.252	.245	.238	.232	.226	.220	.215	.210	.205	.200	.195	.191	.186
2300	.277	.265	.256	.248	.240	.234	.227	.222	.216	.211	.205	.200	.196	.191	.186	.182
2400	.272	.261	.251	.243	.235	.230	.223	.217	.212	.207	.201	.196	.192	.187	.182	.178
2500	.268	.257	.247	.239	.232	.225	.219	.213	.208	.202	.197	.192	.187	.183	.178	.174
2600	.264	.253	.243	.235	.228	.222	.215	.209	.204	.199	.193	.188	.183	.179	.174	.170
2700	.260	.249	.239	.231	.224	.218	.211	.206	.200	.195	.189	.184	.180	.175	.170	.166
2800	.256	.245	.235	.228	.220	.214	.208	.202	.196	.191	.186	.181	.176	.171	.166	.162
2900	.252	.241	.232	.224	.217	.210	.204	.198	.192	.187	.182	.177	.172	.167	.162	.158
3000	.248	.237	.228	.220	.213	.206	.200	.194	.189	.183	.178	.173	.168	.163	.158	.154
3100	.244	.233	.224	.216	.209	.203	.196	.191	.185	.180	.174	.169	.164	.159	.154	.150
3200	.241	.230	.221	.213	.206	.199	.193	.187	.181	.176	.171	.165	.160	.155	.151	.146
3400	.233	.222	.214	.206	.199	.192	.186	.180	.174	.169	.163	.158	.153	.148	.143	.138
3600	.226	.216	.207	.199	.192	.185	.179	.173	.167	.162	.156	.151	.146	.141	.135	.130
3800	.220	.209	.200	.192	.185	.179	.172	.166	.160	.155	.149	.144	.138	.133	.128	.123
4000	.213	.202	.194	.186	.179	.172	.166	.160	.154	.148	.142	.137	.131	.126	.120	.115
4200	.207	.196	.187	.180	.173	.166	.160	.153	.147	.141	.136	.130	.124	.119	.113	.107
4400	.201	.190	.181	.174	.167	.160	.153	.147	.141	.135	.129	.123	.117	.111	.105	.099
4600	.195	.184	.176	.168	.161	.154	.147	.141	.135	.129	.123	.116	.110	.104	.098	.091
4800	.189	.179	.170	.162	.155	.148	.142	.135	.129	.122	.116	.110	.103	.097	.090	.083
5000	.183	.173	.165	.157	.149	.143	.136	.129	.123	.116	.110	.103	.096	.090	.082	.075
5200	.178	.168	.159	.151	.144	.137	.130	.123	.117	.110	.103	.097	.090	.082	.074	.066
5400	.173	.163	.154	.146	.139	.132	.125	.118	.111	.104	.097	.090	.082	.074	.066	.057
5600	.168	.158	.149	.141	.134	.126	.119	.112	.105	.098	.091	.083	.075	.067	.057	.050
5800	.163	.153	.144	.136	.129	.121	.114	.107	.100	.092	.084	.076	.068	.058	.050	.040
6000	.158	.148	.139	.131	.124	.116	.109	.101	.094	.086	.078	.069	.060	.050	.040	.030
6200	.154	.143	.135	.127	.119	.111	.104	.096	.088	.080	.071	.062	.052	.040	.030	.020
6400	.149	.139	.130	.122	.114	.107	.099	.091	.083	.074	.065	.055	.045	.030	.020	.010
6600	.145	.135	.126	.118	.110	.102	.094	.086	.077	.068	.058	.048	.038	.020	.010	.000
6800	.140	.130	.122	.113	.105	.097	.089	.080	.071	.060	.050	.040	.030	.020	.010	.000
7000	.136	.126	.117	.109	.101	.093	.084	.075	.065	.055	.045	.035	.025	.015	.005	.000
7200	.132	.122	.113	.105	.097	.088	.079	.069	.059	.049	.039	.029	.019	.009	.000	.000
7400	.129	.118	.109	.101	.092	.084	.075	.065	.055	.045	.035	.025	.015	.005	.000	.000
7600	.125	.115	.106	.097	.088	.079	.069	.059	.049	.039	.029	.019	.009	.000	.000	.000
7800	.121	.111	.102	.093	.084	.075	.065	.055	.045	.035	.025	.015	.005	.000	.000	.000
8000	.118	.107	.098	.089	.080	.070	.060	.050	.040	.030	.020	.010	.000	.000	.000	.000
8500	.109	.099	.089	.080	.070	.060	.050	.040	.030	.020	.010	.000	.000	.000	.000	.000
9000	.101	.091	.080	.070	.060	.050	.040	.030	.020	.010	.000	.000	.000	.000	.000	.000
9500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA=100.0 DEGREES	DELTA= 10.0 DEGREES															
RA*	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.443															
200	.431	.420														
300	.422	.411	.403													
400	.413	.403	.395	.386												
500	.406	.396	.388	.382	.376											
600	.400	.390	.382	.376	.370	.365										
700	.394	.384	.376	.370	.364	.359	.355									
800	.388	.378	.371	.365	.359	.354	.350	.346								
900	.382	.373	.366	.360	.354	.350	.345	.341	.337							
1000	.377	.368	.361	.355	.350	.345	.341	.337	.333	.329						
1100	.372	.363	.356	.350	.345	.341	.336	.333	.329	.325	.322					
1200	.368	.359	.352	.346	.341	.337	.332	.329	.325	.322	.318	.315				
1300	.363	.354	.347	.342	.337	.333	.328	.325	.321	.318	.315	.312	.309			
1400	.359	.350	.343	.338	.333	.329	.325	.321	.318	.314	.311	.308	.305	.302		
1500	.354	.346	.339	.334	.329	.325	.321	.317	.314	.311	.307	.304	.301	.299	.297	
1600	.350	.342	.335	.330	.325	.321	.317	.314	.311	.307	.304	.302	.299	.296	.294	.291
1700	.346	.338	.332	.326	.322	.318	.314	.311	.307	.304	.301	.298	.296	.293	.291	.288
1800	.342	.334	.328	.323	.318	.314	.311	.307	.304	.301	.298	.295	.293	.290	.288	.285
1900	.338	.330	.324	.319	.315	.311	.307	.304	.301	.298	.295	.292	.290	.287	.285	.282
2000	.335	.327	.321	.316	.312	.308	.304	.301	.298	.295	.292	.289	.287	.284	.282	.280
2100	.331	.323	.317	.313	.308	.305	.301	.298	.295	.292	.289	.287	.284	.282	.279	.277
2200	.327	.320	.314	.309	.305	.301	.298	.295	.292	.289	.286	.284	.281	.279	.277	.274
2300	.324	.317	.311	.306	.302	.298	.295	.292	.289	.286	.284	.281	.279	.276	.274	.272
2400	.321	.313	.308	.303	.299	.295	.292	.289	.286	.283	.281	.278	.276	.274	.272	.269
2500	.317	.310	.305	.300	.296	.293	.289	.286	.283	.281	.278	.276	.273	.271	.269	.267
2600	.314	.307	.302	.297	.293	.290	.286	.284	.281	.278	.276	.273	.271	.269	.267	.265
2700	.311	.304	.299	.294	.290	.287	.284	.281	.278	.276	.273	.271	.268	.266	.264	.262
2800	.308	.301	.296	.291	.288	.284	.281	.278	.276	.273	.271	.268	.266	.264	.262	.260
2900	.305	.298	.293	.288	.285	.281	.278	.276	.273	.270	.268	.266	.264	.262	.260	.258
3000	.302	.295	.290	.286	.282	.279	.276	.273	.271	.268	.266	.264	.261	.259	.257	.255
3100	.299	.292	.287	.283	.279	.276	.273	.271	.268	.266	.263	.261	.259	.257	.255	.253
3200	.296	.289	.284	.280	.277	.274	.271	.268	.266	.263	.261	.259	.257	.255	.253	.251
3400	.290	.284	.279	.275	.272	.269	.266	.263	.261	.259	.256	.254	.252	.251	.249	.247
3600	.285	.279	.274	.270	.267	.264	.261	.259	.256	.254	.252	.250	.248	.246	.245	.243
3800	.280	.274	.269	.265	.262	.259	.257	.254	.252	.250	.248	.246	.244	.242	.241	.239
4000	.275	.269	.264	.261	.258	.255	.252	.250	.248	.246	.244	.242	.240	.238	.237	.235
4200	.270	.264	.260	.256	.253	.250	.248	.246	.244	.242	.240	.238	.236	.235	.233	.231
4400	.265	.259	.255	.252	.249	.246	.244	.242	.240	.238	.236	.234	.232	.231	.229	.228
4600	.260	.255	.251	.248	.245	.242	.240	.238	.236	.234	.232	.230	.229	.227	.226	.224
4800	.256	.251	.247	.243	.241	.238	.236	.234	.232	.230	.228	.227	.225	.224	.222	.221
5000	.252	.246	.243	.239	.237	.234	.232	.230	.228	.226	.225	.223	.222	.220	.219	.217
5200	.247	.242	.239	.236	.233	.231	.228	.227	.225	.223	.221	.220	.218	.217	.216	.214
5400	.243	.238	.235	.232	.229	.227	.225	.223	.221	.220	.218	.216	.215	.214	.212	.211
5600	.239	.235	.231	.228	.226	.223	.221	.220	.218	.216	.215	.213	.212	.211	.209	.208
5800	.235	.231	.227	.225	.222	.220	.218	.216	.215	.213	.211	.210	.209	.207	.206	.205
6000	.232	.227	.224	.221	.219	.217	.215	.213	.211	.210	.208	.207	.206	.204	.203	.202
6200	.228	.224	.220	.218	.215	.213	.211	.210	.208	.207	.205	.204	.203	.201	.200	.199
6400	.225	.220	.217	.214	.212	.210	.208	.207	.205	.204	.202	.201	.200	.199	.197	.196
6600	.221	.217	.214	.211	.209	.207	.205	.204	.202	.201	.199	.198	.197	.196	.195	.194
6800	.218	.214	.211	.208	.206	.204	.202	.201	.199	.198	.197	.195	.194	.193	.192	.191
7000	.214	.210	.207	.205	.203	.201	.199	.198	.196	.195	.194	.193	.192	.191	.189	.188
7200	.211	.207	.204	.202	.200	.198	.197	.195	.194	.192	.191	.190	.189	.188	.187	.186
7400	.208	.204	.201	.199	.197	.195	.194	.192	.191	.190	.189	.187	.186	.185	.184	.183
7600	.205	.201	.199	.196	.194	.193	.191	.190	.188	.187	.186	.185	.184	.183	.182	.181
7800	.202	.198	.196	.193	.192	.190	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179
8000	.199	.196	.193	.191	.189	.187	.186	.184	.183	.182	.181	.180	.179	.178	.177	.176
8500	.192	.189	.186	.184	.183	.181	.180	.178	.177	.176	.175	.174	.173	.172	.171	.171
9000	.186	.182	.180	.178	.176	.175	.174	.173	.171	.170	.169	.168	.168	.167	.166	.165
9500	.180	.176	.174	.172	.171	.169	.168	.167	.166	.165	.164	.163	.163	.162	.161	.160
10000	.174	.171	.169	.167	.165	.164	.163	.162	.161	.160	.159	.158	.158	.157	.156	.155
10500	.168	.165	.163	.162	.160	.159	.158	.157	.156	.155	.154	.154	.153	.152	.152	.151
11000	.163	.160	.158	.157	.155	.154	.153	.152	.151	.151	.150	.149	.148	.148	.147	.147
11500	.158	.155	.154	.152	.151	.150	.149	.148	.147	.146	.145	.145	.144	.144	.143	.142
12000	.153	.151	.149	.148	.146	.145	.144	.143	.143	.142	.141	.141	.140	.140	.139	.139
12500	.149	.146	.145	.143	.142	.141	.140	.139	.139	.138	.137	.137	.136	.136	.135	.135
13000	.145	.142	.141	.139	.138	.137	.136	.136	.135	.134	.134	.133	.133	.132	.132	.131
13500	.140	.138	.137	.135	.134	.133	.133	.132	.131	.131	.130	.130	.129	.129	.128	.128
14000	.137	.134	.133	.132	.131	.130	.129	.128	.128	.127	.127	.126	.126	.125	.125	.124
14500	.133	.131	.129	.128	.127	.126	.126	.125	.124	.124	.123	.123	.122	.122	.122	.121
15000	.129	.127	.126	.125	.124	.123	.122	.122	.121	.121	.120	.120	.119	.119	.119	.118
15500	.126	.124	.123	.122	.121	.120	.119	.119	.118	.118	.117	.117	.116	.116	.116	.115
16000	.123	.121	.120	.118	.118	.117	.116	.116	.115	.115	.114	.114	.114	.113	.113	.113
17000	.117	.115	.114	.113	.112	.111	.111	.110	.110	.109	.109	.109	.108	.108	.108	.107
18000	.111	.109	.108	.107	.107	.106	.105	.105	.105	.104	.104	.104	.103	.103	.103	.102
19000	.106	.104	.103	.102	.102	.101	.101	.100	.100	.100	.099	.099	.099	.098	.098	.098
20000	.101	.100	.099	.098	.097	.097	.096	.096	.095	.095	.095	.095	.094	.094	.094	.094
21000	.097	.095	.094	.094	.093	.093	.092	.092	.091	.091	.091	.091	.090	.090	.090	.090
22000	.092	.091	.090	.090	.089	.089	.088	.088	.088	.087	.087	.087	.087	.087	.086	.086
23000	.089	.087	.087	.086	.085	.085	.085	.084	.084	.084	.084	.083	.083	.083	.083	.083
24000	.085	.084	.083	.083	.082	.082	.081	.081	.081	.081	.080	.080	.080	.080	.080	.080
25000	.082	.081	.080	.079	.079	.079	.078	.078	.078	.078	.077	.077	.077	.077	.077	.077
26000	.079	.078	.077	.076	.076	.076	.075	.075	.075	.075	.074	.074	.074	.074	.074	.074
27000	.076	.075	.074	.074	.073	.073	.073	.072	.072	.072	.072	.072	.071	.071	.071	.071
28000	.073	.072	.071	.071	.071	.070	.070	.070	.070	.069	.069	.069	.069	.069	.069	.069
29000	.070	.069	.069	.068	.068	.068	.068	.067	.067	.067	.067	.067	.067	.067	.066	.066
30000	.068	.067	.066	.066	.066	.065	.065	.065	.065	.065	.065	.064	.064	.064	.064	.064
31000	.066	.065	.064	.064	.063	.063	.063	.063	.063	.063	.062	.062	.062	.062	.062	.062
32000	.063	.063	.062	.062	.061	.061	.061	.061	.061	.061	.060	.060	.060	.060	.060	.060
37000	.054	.053	.053	.053	.053	.052										

BETA=100.0 DEGREES DELTA=20.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.44C															
200	.428	.416														
300	.418	.406	.398													
400	.409	.398	.39C	.383												
500	.402	.391	.383	.376	.370											
600	.395	.384	.376	.369	.363	.358										
700	.389	.378	.370	.363	.358	.352	.347									
800	.383	.372	.365	.358	.352	.347	.342	.338								
900	.377	.367	.359	.353	.347	.342	.337	.333	.329							
1000	.372	.362	.354	.348	.342	.337	.333	.328	.324	.320						
1100	.367	.357	.349	.343	.338	.333	.328	.324	.320	.316	.312	.308				
1200	.362	.352	.345	.339	.333	.328	.324	.320	.316	.312	.308	.304	.305			
1300	.357	.347	.340	.334	.329	.324	.320	.316	.312	.308	.305	.301	.298			
1400	.352	.343	.336	.330	.325	.320	.316	.312	.308	.304	.301	.297	.294	.291		
1500	.348	.339	.332	.326	.321	.316	.312	.308	.304	.301	.297	.294	.291	.288	.285	.285
1600	.344	.335	.328	.322	.317	.312	.308	.304	.301	.297	.294	.291	.288	.285	.282	.279
1700	.339	.331	.324	.318	.313	.309	.305	.301	.297	.294	.291	.287	.284	.282	.279	.276
1800	.335	.327	.320	.314	.310	.305	.301	.297	.294	.290	.287	.284	.281	.278	.276	.273
1900	.331	.323	.316	.311	.306	.302	.298	.294	.291	.287	.284	.281	.278	.275	.272	.270
2000	.327	.319	.313	.307	.303	.299	.295	.291	.288	.284	.281	.278	.275	.272	.270	.267
2100	.324	.315	.309	.304	.299	.295	.291	.288	.284	.281	.278	.275	.272	.269	.267	.264
2200	.320	.312	.306	.300	.296	.292	.288	.284	.281	.278	.275	.272	.269	.267	.264	.262
2300	.317	.308	.302	.297	.293	.289	.285	.281	.278	.275	.272	.269	.267	.264	.261	.259
2400	.313	.305	.299	.294	.290	.286	.282	.278	.275	.272	.269	.267	.264	.261	.259	.256
2500	.310	.302	.296	.291	.286	.283	.279	.276	.272	.269	.267	.264	.261	.259	.256	.254
2600	.306	.299	.293	.288	.283	.280	.276	.273	.270	.267	.264	.261	.259	.256	.254	.251
2700	.303	.295	.290	.285	.281	.277	.273	.270	.267	.264	.261	.259	.256	.254	.251	.249
2800	.300	.292	.287	.282	.278	.274	.270	.267	.264	.261	.259	.256	.253	.251	.249	.246
2900	.297	.289	.284	.279	.275	.271	.268	.265	.262	.259	.256	.254	.251	.249	.246	.244
3000	.294	.286	.281	.276	.272	.268	.265	.262	.259	.256	.254	.251	.249	.246	.244	.242
3100	.291	.283	.278	.273	.269	.266	.262	.259	.256	.254	.251	.249	.246	.244	.242	.239
3200	.288	.281	.275	.271	.267	.263	.260	.257	.254	.251	.249	.246	.244	.242	.239	.237
3400	.282	.275	.270	.265	.261	.258	.255	.252	.249	.246	.244	.242	.239	.237	.235	.233
3600	.276	.270	.264	.260	.256	.253	.250	.247	.244	.242	.239	.237	.235	.233	.231	.229
3800	.271	.264	.259	.255	.252	.248	.245	.243	.240	.237	.235	.233	.231	.229	.226	.224
4000	.266	.259	.255	.250	.247	.244	.241	.238	.236	.233	.231	.229	.226	.224	.222	.221
4200	.261	.255	.250	.246	.242	.239	.236	.234	.231	.229	.227	.225	.222	.220	.219	.217
4400	.256	.250	.245	.241	.238	.235	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213
4600	.251	.245	.241	.237	.234	.231	.228	.226	.223	.221	.219	.217	.215	.213	.211	.209
4800	.247	.241	.237	.233	.230	.227	.224	.222	.219	.217	.215	.213	.211	.209	.208	.206
5000	.242	.237	.232	.229	.226	.223	.220	.218	.216	.213	.211	.210	.208	.206	.204	.202
5200	.238	.233	.228	.225	.222	.219	.217	.214	.212	.210	.208	.206	.204	.202	.201	.199
5400	.234	.229	.224	.221	.218	.215	.213	.211	.208	.206	.204	.203	.201	.199	.197	.196
5600	.230	.225	.221	.217	.214	.212	.209	.207	.205	.203	.201	.199	.198	.196	.194	.193
5800	.226	.221	.217	.214	.211	.208	.206	.204	.202	.200	.198	.196	.194	.193	.191	.190
6000	.222	.217	.213	.210	.207	.205	.203	.200	.198	.197	.195	.193	.191	.190	.188	.187
6200	.219	.214	.210	.207	.204	.202	.199	.197	.195	.193	.192	.190	.188	.187	.185	.184
6400	.215	.210	.206	.203	.201	.198	.196	.194	.192	.190	.189	.187	.185	.184	.182	.181
6600	.211	.207	.203	.200	.198	.195	.193	.191	.189	.187	.186	.184	.183	.181	.180	.178
6800	.208	.203	.200	.197	.194	.192	.190	.188	.186	.185	.183	.181	.180	.178	.177	.175
7000	.205	.200	.197	.194	.191	.189	.187	.185	.183	.182	.180	.179	.177	.176	.174	.173
7200	.202	.197	.194	.191	.188	.186	.184	.182	.181	.179	.177	.176	.174	.173	.172	.170
7400	.198	.194	.191	.188	.186	.183	.181	.180	.178	.177	.175	.173	.172	.170	.169	.168
7600	.195	.191	.188	.185	.183	.181	.179	.177	.175	.174	.172	.171	.169	.168	.167	.165
7800	.192	.188	.185	.182	.180	.178	.176	.174	.173	.171	.170	.168	.167	.166	.164	.163
8000	.190	.185	.182	.180	.177	.175	.174	.172	.170	.169	.167	.166	.164	.163	.162	.161
8500	.183	.179	.176	.173	.171	.169	.167	.166	.164	.163	.161	.160	.159	.157	.156	.155
9000	.176	.172	.170	.167	.165	.163	.162	.160	.159	.157	.156	.155	.153	.152	.151	.150
9500	.170	.166	.164	.161	.159	.158	.156	.155	.153	.152	.151	.149	.148	.147	.146	.145
10000	.164	.161	.158	.156	.154	.152	.151	.149	.148	.147	.146	.144	.143	.142	.141	.140
10500	.159	.155	.153	.151	.149	.147	.146	.145	.143	.142	.141	.140	.139	.138	.137	.136
11000	.154	.150	.148	.146	.144	.143	.141	.140	.139	.138	.136	.135	.134	.133	.132	.131
11500	.149	.146	.143	.141	.140	.138	.137	.136	.134	.133	.132	.131	.130	.129	.128	.127
12000	.144	.141	.139	.137	.135	.134	.133	.131	.130	.129	.128	.127	.126	.125	.124	.123
12500	.140	.137	.135	.133	.131	.130	.129	.128	.126	.125	.124	.123	.123	.122	.121	.120
13000	.135	.133	.131	.129	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116
13500	.131	.129	.127	.125	.124	.122	.121	.120	.119	.118	.117	.116	.116	.115	.114	.113
14000	.128	.125	.123	.122	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.111	.110
14500	.124	.122	.120	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.108	.107
15000	.121	.118	.116	.115	.114	.113	.111	.110	.110	.109	.108	.107	.106	.105	.105	.104
15500	.117	.115	.113	.112	.111	.109	.108	.108	.107	.106	.105	.104	.103	.103	.102	.101
16000	.114	.112	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.101	.100	.099	.099
17000	.108	.106	.105	.103	.102	.101	.100	.099	.099	.098	.097	.096	.096	.095	.094	.094
18000	.103	.101	.099	.098	.097	.096	.095	.095	.094	.093	.092	.092	.091	.090	.090	.089
19000	.098	.096	.095	.094	.092	.092	.091	.090	.089	.089	.088	.087	.087	.086	.085	.085
20000	.093	.092	.090	.089	.088	.087	.087	.086	.085	.085	.084	.083	.083	.082	.082	.081
21000	.089	.087	.086	.085	.084	.083	.083	.082	.081	.081	.080	.080	.079	.078	.078	.077
22000	.085	.084	.082	.081	.081	.080	.079	.078	.078	.077	.077	.076	.076	.075	.075	.074
23000	.082	.080	.079	.078	.077	.076	.076	.075	.075	.074	.073	.073	.072	.072	.071	.071
24000	.078	.077	.076	.075	.074	.073	.073	.072	.071	.071	.070	.070	.069	.069	.068	.068
25000	.075	.074	.073	.072	.071	.070	.070	.069	.069	.068	.068	.067	.067	.066	.066	.065
26000	.072	.071	.070	.069	.068	.068	.067	.066	.066	.065	.065	.065	.064	.064	.063	.063
27000	.069	.068	.067	.066	.066	.065	.064	.064	.063	.063	.063	.062	.062	.061	.061	.060
28000	.067	.065	.065	.064	.063	.063	.062	.062	.061	.061	.060	.060	.059	.059	.059	.058
29000	.064	.063	.062	.061	.061	.060	.060	.059	.059	.058	.058	.057	.057	.056	.056	.056
30000	.062	.061	.060	.059	.059	.058	.058	.057	.057	.056	.056	.055	.055	.055	.054	.054
31000	.060	.059	.058	.057	.057	.056	.056	.055	.055	.054	.054	.054	.053	.053	.053	.052
32000	.058	.057	.056	.055	.055	.054	.054	.053	.053	.053	.052					

BETA=100.0 DEGREES DELTA= 30.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.435															
200	.422	.409														
300	.411	.398	.385													
400	.402	.390	.380	.372												
500	.394	.382	.372	.365	.358											
600	.386	.375	.365	.358	.351	.345										
700	.380	.368	.359	.351	.345	.339	.333									
800	.373	.362	.353	.345	.339	.333	.327	.322								
900	.367	.356	.347	.340	.333	.327	.322	.317	.312	.307						
1000	.361	.350	.342	.335	.328	.322	.317	.312	.307	.303	.298					
1100	.356	.345	.337	.329	.323	.317	.312	.307	.303	.298	.294	.290				
1200	.351	.340	.332	.325	.318	.313	.308	.303	.298	.294	.290	.286	.282			
1300	.345	.335	.327	.320	.314	.308	.303	.298	.294	.290	.285	.281	.277	.274		
1400	.341	.330	.322	.315	.309	.304	.299	.294	.290	.285	.281	.277	.273	.270	.266	.263
1500	.336	.326	.318	.311	.305	.300	.295	.290	.286	.281	.277	.274	.270	.266	.263	.259
1600	.331	.321	.313	.307	.301	.296	.291	.286	.282	.278	.274	.270	.266	.263	.259	.256
1700	.327	.317	.309	.303	.297	.292	.287	.282	.278	.274	.270	.266	.263	.259	.256	.252
1800	.323	.313	.305	.299	.293	.288	.283	.279	.274	.270	.266	.263	.259	.256	.252	.249
1900	.318	.309	.301	.295	.289	.284	.279	.275	.271	.267	.263	.260	.256	.253	.249	.246
2000	.314	.305	.297	.291	.285	.280	.276	.271	.267	.263	.260	.256	.253	.249	.246	.243
2100	.310	.301	.294	.287	.282	.277	.272	.268	.264	.260	.256	.253	.249	.246	.243	.240
2200	.306	.297	.290	.284	.278	.273	.269	.265	.261	.257	.253	.250	.246	.243	.240	.237
2300	.303	.293	.286	.280	.275	.270	.266	.261	.257	.254	.250	.247	.243	.240	.237	.234
2400	.299	.290	.283	.277	.272	.267	.262	.258	.254	.251	.247	.244	.240	.237	.234	.231
2500	.295	.286	.279	.274	.268	.264	.259	.255	.251	.248	.244	.241	.237	.234	.231	.228
2600	.292	.283	.276	.270	.265	.260	.256	.252	.248	.245	.241	.238	.234	.231	.228	.225
2700	.288	.280	.273	.267	.262	.257	.253	.249	.245	.242	.238	.235	.232	.228	.225	.222
2800	.285	.276	.270	.264	.259	.254	.250	.246	.242	.239	.235	.232	.229	.226	.223	.220
2900	.282	.273	.267	.261	.256	.251	.247	.243	.240	.236	.233	.229	.226	.223	.220	.217
3000	.278	.270	.264	.258	.253	.249	.244	.241	.237	.233	.230	.227	.224	.221	.218	.215
3100	.275	.266	.261	.255	.250	.246	.242	.238	.234	.231	.227	.224	.221	.218	.215	.212
3200	.272	.264	.258	.252	.247	.243	.239	.235	.232	.228	.225	.222	.219	.216	.213	.210
3400	.266	.256	.252	.247	.242	.238	.234	.230	.226	.223	.220	.217	.214	.211	.208	.205
3600	.260	.253	.246	.241	.237	.232	.229	.225	.221	.218	.215	.212	.209	.206	.203	.200
3800	.255	.247	.241	.236	.232	.228	.224	.220	.217	.213	.210	.207	.204	.201	.199	.196
4000	.250	.242	.236	.231	.227	.223	.219	.215	.212	.209	.206	.203	.200	.197	.194	.192
4200	.244	.237	.231	.226	.222	.218	.214	.211	.208	.205	.201	.199	.196	.193	.190	.187
4400	.239	.232	.227	.222	.217	.214	.210	.207	.203	.200	.197	.194	.192	.189	.186	.184
4600	.235	.227	.222	.217	.213	.209	.206	.202	.199	.196	.193	.190	.188	.185	.182	.180
4800	.230	.223	.218	.213	.209	.205	.202	.198	.195	.192	.189	.187	.184	.181	.178	.176
5000	.225	.219	.213	.209	.205	.201	.198	.194	.191	.188	.186	.183	.180	.177	.175	.172
5200	.221	.214	.209	.205	.201	.197	.194	.191	.188	.185	.182	.179	.176	.173	.171	.169
5400	.217	.210	.205	.201	.197	.193	.190	.187	.184	.181	.178	.176	.173	.170	.168	.165
5600	.213	.206	.201	.197	.193	.190	.186	.183	.180	.177	.174	.172	.169	.166	.163	.162
5800	.209	.202	.198	.193	.190	.186	.183	.180	.177	.174	.172	.169	.166	.164	.161	.159
6000	.205	.199	.194	.190	.186	.183	.180	.177	.174	.171	.168	.165	.163	.161	.158	.156
6200	.201	.195	.190	.186	.183	.179	.176	.173	.170	.167	.165	.163	.160	.158	.155	.153
6400	.198	.192	.187	.183	.179	.176	.173	.170	.167	.164	.162	.160	.157	.155	.152	.150
6600	.194	.188	.184	.180	.176	.173	.170	.167	.164	.161	.159	.156	.154	.151	.149	.147
6800	.191	.185	.180	.177	.173	.170	.167	.164	.161	.159	.156	.154	.151	.149	.146	.144
7000	.187	.182	.177	.173	.170	.167	.164	.161	.159	.156	.153	.151	.149	.146	.144	.142
7200	.184	.179	.174	.170	.167	.164	.161	.158	.156	.153	.151	.148	.146	.144	.141	.139
7400	.181	.176	.171	.168	.164	.161	.158	.156	.153	.151	.148	.146	.143	.141	.139	.136
7600	.178	.173	.168	.165	.161	.158	.156	.153	.150	.148	.145	.143	.141	.139	.136	.134
7800	.175	.170	.166	.162	.159	.156	.153	.150	.148	.145	.143	.141	.138	.136	.134	.132
8000	.172	.167	.163	.159	.156	.153	.150	.148	.145	.143	.141	.138	.136	.134	.131	.129
8500	.165	.160	.156	.153	.150	.147	.144	.142	.139	.137	.135	.132	.130	.128	.126	.124
9000	.159	.154	.150	.147	.144	.141	.139	.136	.134	.132	.129	.127	.125	.123	.121	.118
9500	.153	.148	.145	.141	.139	.136	.133	.131	.129	.126	.124	.122	.120	.118	.116	.114
10000	.147	.143	.139	.136	.133	.131	.128	.126	.124	.122	.119	.117	.115	.113	.111	.109
10500	.142	.138	.134	.131	.128	.126	.124	.121	.119	.117	.115	.113	.111	.109	.107	.105
11000	.137	.133	.129	.127	.124	.121	.119	.117	.115	.113	.111	.109	.107	.105	.103	.101
11500	.132	.128	.125	.122	.120	.117	.115	.113	.111	.109	.107	.105	.103	.101	.099	.097
12000	.128	.124	.121	.118	.116	.113	.111	.109	.107	.105	.103	.101	.099	.097	.095	.093
12500	.123	.120	.117	.114	.112	.109	.107	.105	.103	.101	.099	.097	.096	.094	.092	.090
13000	.120	.116	.113	.110	.108	.106	.104	.102	.100	.098	.096	.094	.092	.090	.088	.087
13500	.116	.112	.109	.107	.105	.102	.100	.098	.097	.095	.093	.091	.089	.087	.085	.084
14000	.112	.109	.106	.103	.101	.099	.097	.095	.093	.092	.090	.088	.086	.084	.083	.081
14500	.109	.105	.103	.100	.098	.096	.094	.092	.090	.089	.087	.085	.083	.082	.080	.078
15000	.105	.102	.100	.097	.095	.093	.091	.089	.088	.086	.084	.082	.081	.079	.077	.075
15500	.102	.099	.097	.094	.092	.090	.089	.087	.085	.083	.082	.080	.078	.076	.075	.073
16000	.099	.096	.094	.092	.090	.088	.086	.084	.083	.081	.079	.077	.076	.074	.072	.071
17000	.094	.091	.089	.087	.085	.083	.081	.079	.078	.076	.075	.073	.071	.070	.068	.066
18000	.089	.086	.084	.082	.080	.078	.077	.075	.074	.072	.070	.069	.067	.066	.064	.062
19000	.084	.082	.080	.078	.076	.074	.073	.071	.070	.068	.067	.065	.063	.062	.060	.059
20000	.080	.078	.076	.074	.072	.071	.069	.067	.066	.065	.063	.062	.060	.059	.057	.055
21000	.076	.074	.072	.070	.069	.067	.066	.064	.063	.061	.060	.058	.057	.055	.054	.052
22000	.073	.071	.069	.067	.065	.064	.062	.061	.060	.058	.057	.056	.054	.053	.051	.050
23000	.069	.067	.066	.064	.062	.061	.060	.058	.057	.056	.054	.053	.051	.050	.049	.047
24000	.066	.064	.063	.061	.060	.058	.057	.056	.054	.053	.052	.050	.049	.048	.046	.045
25000	.064	.062	.060	.058	.057	.056	.054	.053	.052	.051	.049	.048	.047	.045	.044	.043
26000	.061	.059	.057	.056	.055	.053	.052	.051	.050	.049	.048	.047	.046	.045	.043	.041
27000	.058	.057	.055	.054	.052	.051	.050	.049	.048	.046	.045	.044	.043	.041	.040	.039
28000	.056	.054	.053	.052	.050	.049	.048	.047	.046	.044	.043	.042	.040	.039	.038	.037
29000	.054	.052	.051	.050	.048	.047	.046	.045	.044	.043	.042	.040	.039	.038	.037	.035
30000	.052	.050	.049	.048	.047	.045	.044	.043	.042	.041	.040	.039	.038	.036	.035	.034
31000	.050	.049	.047	.046	.045	.044	.043	.042	.040	.039	.038	.037	.036	.035	.034	.032
32000	.048	.047	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.032	.031
37000	.04															

BETA=100.0 DEGREES DELTA= 40.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.427															
200	.411	.356														
300	.399	.385	.373													
400	.389	.375	.364	.354												
500	.380	.366	.355	.346	.337											
600	.372	.358	.347	.338	.330	.322										
700	.364	.351	.340	.331	.323	.315	.308									
800	.357	.344	.333	.324	.316	.309	.302	.295								
900	.350	.337	.327	.318	.310	.303	.296	.289	.283							
1000	.344	.331	.321	.312	.304	.297	.290	.284	.278	.272						
1100	.338	.325	.315	.306	.298	.291	.285	.278	.272	.267	.261					
1200	.332	.319	.309	.301	.293	.286	.279	.273	.267	.262	.256	.251				
1300	.326	.314	.304	.295	.288	.281	.274	.268	.262	.257	.251	.246	.241			
1400	.321	.308	.299	.290	.283	.276	.269	.263	.257	.252	.246	.241	.236	.231		
1500	.316	.303	.294	.285	.278	.271	.265	.259	.253	.247	.242	.237	.232	.227	.222	.218
1600	.311	.299	.289	.281	.273	.266	.260	.254	.248	.243	.237	.232	.227	.222	.217	.213
1700	.306	.294	.284	.276	.269	.262	.256	.250	.244	.238	.233	.228	.223	.218	.213	.209
1800	.301	.289	.280	.272	.264	.258	.251	.245	.240	.234	.229	.224	.219	.214	.209	.205
1900	.297	.285	.275	.267	.260	.253	.247	.241	.236	.230	.225	.220	.215	.210	.205	.201
2000	.292	.280	.271	.263	.256	.249	.243	.237	.232	.226	.221	.216	.211	.206	.201	.197
2100	.288	.276	.267	.259	.252	.245	.239	.233	.228	.222	.217	.212	.207	.202	.198	.193
2200	.284	.272	.263	.255	.248	.242	.235	.230	.224	.219	.213	.208	.203	.199	.194	.189
2300	.280	.268	.259	.251	.244	.238	.232	.226	.220	.215	.210	.205	.200	.195	.190	.185
2400	.276	.264	.255	.248	.241	.234	.228	.222	.217	.211	.206	.201	.196	.191	.187	.182
2500	.272	.260	.252	.244	.237	.231	.225	.219	.213	.208	.203	.198	.193	.188	.183	.178
2600	.268	.257	.248	.240	.233	.227	.221	.215	.210	.205	.199	.194	.189	.185	.180	.175
2700	.264	.253	.244	.237	.230	.224	.218	.212	.207	.201	.196	.191	.186	.181	.177	.172
2800	.260	.250	.241	.233	.227	.220	.214	.209	.203	.198	.193	.188	.183	.178	.173	.169
2900	.257	.246	.238	.230	.223	.217	.211	.206	.200	.195	.190	.185	.180	.175	.170	.165
3000	.253	.243	.234	.227	.220	.214	.208	.202	.197	.192	.187	.182	.177	.172	.167	.162
3100	.250	.240	.231	.224	.217	.211	.205	.199	.194	.189	.184	.179	.174	.169	.164	.159
3200	.247	.236	.228	.221	.214	.208	.202	.196	.191	.186	.181	.176	.171	.166	.161	.156
3300	.244	.233	.224	.217	.210	.204	.198	.192	.187	.182	.177	.172	.167	.162	.157	.152
3400	.240	.230	.222	.215	.208	.202	.196	.191	.185	.180	.175	.170	.165	.160	.155	.150
3500	.237	.226	.218	.211	.204	.198	.192	.187	.181	.176	.171	.166	.161	.156	.151	.146
3600	.234	.224	.216	.209	.202	.196	.191	.185	.180	.175	.170	.165	.160	.155	.150	.145
3700	.231	.220	.212	.205	.198	.192	.186	.181	.175	.170	.165	.160	.155	.150	.145	.140
3800	.228	.218	.210	.203	.197	.191	.185	.180	.175	.170	.165	.160	.155	.150	.145	.140
3900	.225	.214	.206	.199	.193	.187	.181	.175	.170	.165	.160	.155	.150	.145	.140	.135
4000	.222	.212	.204	.197	.191	.185	.180	.175	.170	.165	.160	.155	.150	.145	.140	.135
4100	.219	.208	.200	.193	.187	.181	.175	.170	.165	.160	.155	.150	.145	.140	.135	.130
4200	.217	.206	.198	.191	.185	.179	.173	.167	.162	.156	.151	.146	.141	.136	.131	.126
4300	.214	.203	.195	.188	.182	.176	.171	.165	.160	.155	.150	.145	.140	.135	.130	.125
4400	.212	.201	.193	.186	.180	.174	.168	.162	.156	.151	.146	.141	.136	.131	.126	.121
4500	.210	.199	.191	.184	.178	.172	.166	.160	.155	.150	.145	.140	.135	.130	.125	.120
4600	.208	.197	.189	.182	.176	.170	.164	.158	.153	.148	.143	.138	.133	.128	.123	.118
4700	.206	.195	.187	.180	.174	.168	.162	.156	.151	.146	.141	.136	.131	.126	.121	.116
4800	.204	.193	.185	.178	.172	.166	.160	.154	.149	.144	.139	.134	.129	.124	.119	.114
4900	.202	.191	.183	.176	.170	.164	.158	.152	.147	.142	.137	.132	.127	.122	.117	.112
5000	.200	.189	.181	.174	.168	.162	.156	.150	.145	.140	.135	.130	.125	.120	.115	.110
5100	.198	.187	.179	.172	.166	.160	.154	.148	.143	.138	.133	.128	.123	.118	.113	.108
5200	.196	.185	.177	.170	.164	.158	.152	.146	.141	.136	.131	.126	.121	.116	.111	.106
5300	.194	.183	.175	.168	.162	.156	.150	.144	.139	.134	.129	.124	.119	.114	.109	.104
5400	.192	.181	.173	.166	.160	.154	.148	.142	.137	.132	.127	.122	.117	.112	.107	.102
5500	.190	.179	.171	.164	.158	.152	.146	.140	.135	.130	.125	.120	.115	.110	.105	.100
5600	.188	.177	.169	.162	.156	.150	.144	.138	.133	.128	.123	.118	.113	.108	.103	.098
5700	.186	.175	.167	.160	.154	.148	.142	.136	.131	.126	.121	.116	.111	.106	.101	.096
5800	.184	.173	.165	.158	.152	.146	.140	.134	.129	.124	.119	.114	.109	.104	.099	.094
5900	.182	.171	.163	.156	.150	.144	.138	.132	.127	.122	.117	.112	.107	.102	.097	.092
6000	.180	.169	.161	.154	.148	.142	.136	.130	.125	.120	.115	.110	.105	.100	.095	.090
6100	.178	.167	.159	.152	.146	.140	.134	.128	.123	.118	.113	.108	.103	.098	.093	.088
6200	.176	.165	.157	.150	.144	.138	.132	.126	.121	.116	.111	.106	.101	.096	.091	.086
6300	.174	.163	.155	.148	.142	.136	.130	.124	.119	.114	.109	.104	.099	.094	.089	.084
6400	.172	.161	.153	.146	.140	.134	.128	.122	.117	.112	.107	.102	.097	.092	.087	.082
6500	.170	.159	.151	.144	.138	.132	.126	.120	.115	.110	.105	.100	.095	.090	.085	.080
6600	.168	.157	.149	.142	.136	.130	.124	.118	.113	.108	.103	.098	.093	.088	.083	.078
6700	.166	.155	.147	.140	.134	.128	.122	.116	.111	.106	.101	.096	.091	.086	.081	.076
6800	.164	.153	.145	.138	.132	.126	.120	.114	.109	.104	.099	.094	.089	.084	.079	.074
6900	.162	.151	.143	.136	.130	.124	.118	.112	.107	.102	.097	.092	.087	.082	.077	.072
7000	.160	.149	.141	.134	.128	.122	.116	.110	.105	.100	.095	.090	.085	.080	.075	.070
7100	.158	.147	.139	.132	.126	.120	.114	.108	.103	.098	.093	.088	.083	.078	.073	.068
7200	.156	.145	.137	.130	.124	.118	.112	.106	.101	.096	.091	.086	.081	.076	.071	.066
7300	.154	.143	.135	.128	.122	.116	.110	.104	.099	.094	.089	.084	.079	.074	.069	.064
7400	.152	.141	.133	.126	.120	.114	.108	.102	.097	.092	.087	.082	.077	.072	.067	.062
7500	.150	.139	.131	.124	.118	.112	.106	.100	.095	.090	.085	.080	.075	.070	.065	.060
7600	.148	.137	.129	.122	.116	.110	.104	.098	.093	.088	.083	.078	.073	.068	.063	.058
7700	.146	.135	.127	.120	.114	.108	.102	.096	.091	.086	.081	.076	.071	.066	.061	.056
7800	.144	.133	.125	.118	.112	.106	.100	.094	.089	.084	.079	.074	.069	.064	.059	.054
7900	.142	.131	.123	.116	.110	.104	.098	.092	.087	.082	.077	.072	.067	.062	.057	.052
8000	.140	.129	.121	.114	.108	.102	.096	.090	.085	.080	.075	.070	.065	.060	.055	.050
8100	.138	.127	.119	.112	.106	.100	.094	.088	.083	.078	.073	.068	.063	.058	.053	.048
8200	.136	.125	.117	.110	.104	.098	.092	.086	.081	.076	.071	.066	.061	.056	.051	.046
8300	.134	.123	.115	.108	.102	.096	.090	.084	.079	.074	.069	.064	.059	.054	.049	.044
8400	.132	.121	.113	.106	.100	.094	.088	.082	.077	.072	.067	.062	.057	.052	.047	.042
8500	.130	.119	.111	.104	.098	.092	.086	.080	.075	.070	.065	.060	.055	.050	.045	.040
8600	.128	.117	.109	.102	.096	.090	.084	.078	.073	.068	.063	.058	.053	.048	.043	.038
8700	.126	.115	.107	.100	.094	.088	.082	.076	.071	.066	.061	.056	.051	.046	.041	.036
8800	.124	.113	.105	.098	.092	.086	.080	.074	.069	.064	.059	.054	.049	.044	.039	.034
8900	.122	.111	.103	.096	.090	.084	.078									

BETA=100.0 DEGREES DELTA= 50.0 DEGREES

RP KA	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.412															
200	.354	.376														
300	.380	.362	.347													
400	.368	.350	.336	.323												
500	.357	.339	.325	.313	.302											
600	.347	.330	.316	.304	.293	.282										
700	.339	.321	.307	.295	.284	.274	.264									
800	.330	.313	.299	.287	.276	.266	.256	.247								
900	.322	.305	.291	.279	.268	.258	.248	.239	.230							
1000	.315	.298	.284	.272	.261	.251	.241	.232	.223	.214						
1100	.308	.291	.277	.265	.254	.244	.234	.225	.216	.207	.198					
1200	.301	.284	.270	.258	.247	.237	.227	.218	.209	.200	.191	.182				
1300	.294	.277	.264	.252	.241	.231	.221	.211	.202	.193	.184	.175	.166			
1400	.288	.271	.258	.246	.235	.224	.215	.205	.196	.186	.177	.168	.159	.150		
1500	.282	.265	.252	.240	.229	.218	.208	.199	.189	.180	.171	.162	.152	.143	.133	
1600	.276	.260	.246	.234	.223	.213	.203	.193	.183	.174	.164	.155	.145	.136	.126	.115
1700	.271	.254	.241	.229	.218	.207	.197	.187	.178	.168	.158	.149	.139	.129	.118	.107
1800	.265	.249	.235	.223	.212	.202	.192	.182	.172	.162	.152	.142	.132	.122	.111	.099
1900	.260	.244	.230	.218	.207	.197	.186	.176	.166	.156	.146	.136	.126	.115	.103	.091
2000	.255	.239	.225	.213	.202	.191	.181	.171	.161	.151	.140	.130	.119	.108	.095	.082
2100	.250	.234	.220	.208	.197	.186	.176	.166	.156	.145	.135	.124	.113	.100	.087	.073
2200	.245	.229	.216	.204	.192	.182	.171	.161	.150	.140	.129	.118	.106	.093	.079	.063
2300	.241	.225	.211	.199	.188	.177	.166	.156	.145	.135	.123	.112	.099	.086	.071	.052
2400	.236	.220	.207	.195	.183	.173	.162	.151	.140	.129	.118	.106	.093	.075	.062	.039
2500	.232	.216	.203	.190	.179	.168	.157	.146	.135	.124	.112	.100	.086	.071	.052	.000
2600	.228	.212	.198	.186	.175	.164	.153	.142	.131	.119	.107	.094	.079	.062	.040	.000
2700	.224	.208	.194	.182	.171	.160	.149	.137	.126	.114	.102	.088	.072	.053	.000	.000
2800	.220	.204	.190	.178	.167	.155	.144	.133	.121	.109	.096	.082	.065	.043	.000	.000
2900	.216	.200	.187	.174	.163	.151	.140	.129	.117	.104	.091	.076	.057	.000	.000	.000
3000	.212	.196	.183	.171	.159	.148	.136	.124	.112	.099	.085	.069	.049	.000	.000	.000
3100	.208	.193	.179	.167	.155	.144	.132	.120	.108	.095	.080	.063	.000	.000	.000	.000
3200	.205	.189	.176	.163	.152	.140	.128	.116	.104	.090	.074	.056	.000	.000	.000	.000
3400	.198	.182	.169	.157	.145	.133	.121	.108	.095	.080	.063	.000	.000	.000	.000	.000
3600	.191	.176	.162	.150	.138	.126	.114	.101	.087	.070	.000	.000	.000	.000	.000	.000
3800	.185	.170	.156	.144	.132	.119	.107	.093	.078	.000	.000	.000	.000	.000	.000	.000
4000	.179	.164	.150	.138	.126	.113	.100	.086	.070	.000	.000	.000	.000	.000	.000	.000
4200	.173	.158	.145	.132	.120	.107	.094	.079	.000	.000	.000	.000	.000	.000	.000	.000
4400	.168	.153	.139	.127	.114	.101	.087	.000	.000	.000	.000	.000	.000	.000	.000	.000
4600	.163	.148	.134	.122	.109	.096	.081	.000	.000	.000	.000	.000	.000	.000	.000	.000
4800	.158	.143	.130	.117	.104	.090	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5000	.153	.138	.125	.112	.099	.085	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5200	.148	.134	.120	.107	.094	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5400	.144	.129	.116	.103	.090	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5600	.140	.125	.112	.099	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5800	.136	.122	.108	.095	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6000	.132	.118	.105	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6200	.129	.114	.101	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6400	.125	.111	.098	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6600	.122	.108	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6800	.119	.104	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7000	.115	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7200	.112	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7400	.110	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7600	.107	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA=100.0 DEGREES DELTA= 60.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.386															
200	.363	.337														
300	.344	.319	.298													
400	.329	.303	.282	.263												
500	.315	.289	.268	.249	.231											
600	.303	.276	.255	.235	.216	.198										
700	.291	.265	.244	.222	.203	.185	.166									
800	.280	.254	.231	.211	.191	.171	.151	.130								
900	.270	.243	.220	.199	.179	.158	.136	.113	.086							
1000	.261	.233	.210	.188	.167	.145	.122	.095	.061	.000						
1100	.252	.224	.200	.178	.156	.132	.107	.076	.022	.000	.000					
1200	.243	.215	.191	.168	.144	.119	.091	.052	.000	.000	.000	.000				
1300	.235	.207	.182	.158	.133	.106	.073	.000	.000	.000	.000	.000	.000			
1400	.227	.198	.173	.148	.122	.093	.052	.000	.000	.000	.000	.000	.000	.000		
1500	.219	.190	.165	.139	.111	.078	.000	.000	.000	.000	.000	.000	.000	.000	.000	
1600	.212	.183	.156	.129	.100	.062	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1700	.205	.175	.148	.120	.088	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1800	.198	.168	.140	.111	.076	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1900	.192	.162	.133	.102	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2000	.186	.155	.125	.093	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2100	.180	.148	.118	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2200	.174	.142	.111	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2300	.168	.136	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2400	.163	.130	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2500	.158	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2600	.153	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2700	.148	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA=100.0 DEGREES DELTA= 70.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.329															
200	.293	.246														
300	.264	.214	.166													
400	.239	.184	.129	.045												
500	.216	.157	.087	.000	.000											
600	.195	.128	.000	.000	.000	.000										
700	.175	.098	.000	.000	.000	.000	.000									
800	.156	.000	.000	.000	.000	.000	.000	.000								
900	.138	.000	.000	.000	.000	.000	.000	.000	.000							
1000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000						

BETA=120.0 DEGREES DELTA= 30.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA=																
100	.435															
200	.421	.4C9														
300	.409	.358	.389													
400	.399	.388	.38C	.372												
500	.35C	.380	.371	.364	.358											
600	.382	.372	.364	.357	.351	.345										
700	.375	.365	.357	.350	.344	.338	.333									
800	.368	.358	.35C	.344	.338	.332	.327	.322								
900	.361	.352	.344	.338	.332	.326	.321	.317	.312							
1000	.354	.345	.338	.332	.326	.321	.316	.311	.307	.303						
1100	.348	.340	.333	.326	.321	.316	.311	.306	.302	.298	.294					
1200	.342	.334	.327	.321	.316	.311	.306	.301	.297	.293	.289	.286				
1300	.337	.329	.322	.316	.311	.306	.301	.297	.293	.289	.285	.281	.278			
1400	.331	.324	.317	.311	.306	.301	.297	.292	.288	.284	.280	.277	.273	.270		
1500	.326	.319	.312	.306	.301	.297	.292	.288	.284	.280	.276	.273	.269	.266	.263	.256
1600	.321	.314	.307	.302	.297	.292	.288	.284	.280	.276	.272	.269	.266	.262	.259	.252
1700	.316	.309	.303	.298	.293	.288	.284	.280	.276	.272	.268	.265	.262	.258	.255	.249
1800	.312	.305	.299	.293	.288	.284	.280	.276	.272	.268	.265	.261	.258	.255	.251	.248
1900	.307	.300	.294	.289	.284	.280	.276	.272	.268	.265	.261	.258	.255	.251	.248	.245
2000	.303	.296	.29C	.285	.280	.276	.272	.268	.265	.261	.258	.254	.251	.248	.245	.242
2100	.299	.292	.286	.281	.277	.272	.268	.265	.261	.258	.254	.251	.248	.245	.242	.239
2200	.294	.288	.282	.277	.273	.269	.265	.261	.258	.254	.251	.248	.245	.242	.239	.236
2300	.29C	.284	.279	.274	.269	.265	.261	.258	.254	.251	.248	.245	.241	.238	.235	.233
2400	.286	.280	.275	.270	.266	.262	.258	.254	.251	.248	.245	.241	.238	.235	.233	.230
2500	.283	.277	.271	.267	.262	.258	.255	.251	.248	.245	.241	.238	.235	.232	.230	.227
2600	.279	.273	.268	.263	.259	.255	.252	.248	.245	.241	.238	.235	.232	.230	.227	.224
2700	.275	.269	.264	.260	.256	.252	.248	.245	.242	.238	.235	.232	.230	.227	.224	.221
2800	.272	.266	.261	.257	.253	.249	.245	.242	.239	.236	.233	.230	.227	.224	.221	.218
2900	.268	.263	.258	.253	.249	.246	.242	.239	.236	.233	.230	.227	.224	.221	.219	.216
3000	.265	.259	.255	.250	.246	.243	.239	.236	.233	.230	.227	.224	.221	.219	.216	.213
3100	.262	.256	.252	.247	.243	.240	.237	.233	.230	.227	.224	.221	.219	.216	.213	.211
3200	.258	.253	.249	.244	.241	.237	.234	.231	.227	.225	.222	.219	.216	.213	.211	.208
3400	.252	.247	.243	.239	.235	.232	.228	.225	.222	.219	.217	.214	.211	.209	.206	.203
3600	.246	.241	.237	.233	.230	.226	.223	.220	.217	.214	.212	.209	.206	.204	.201	.199
3800	.241	.236	.232	.228	.224	.221	.218	.215	.212	.210	.207	.204	.202	.199	.197	.194
4000	.235	.230	.226	.223	.219	.216	.213	.210	.208	.205	.202	.200	.197	.195	.193	.190
4200	.23C	.225	.221	.218	.215	.212	.209	.206	.203	.201	.198	.196	.193	.191	.188	.186
4400	.225	.22C	.217	.213	.210	.207	.204	.202	.199	.197	.194	.191	.189	.187	.184	.182
4600	.220	.216	.212	.209	.206	.203	.200	.197	.195	.192	.190	.187	.185	.183	.181	.178
4800	.215	.211	.208	.204	.201	.199	.196	.193	.191	.188	.186	.184	.181	.179	.177	.175
5000	.211	.207	.203	.200	.197	.195	.192	.189	.187	.185	.182	.180	.178	.176	.173	.171
5200	.206	.203	.199	.196	.193	.191	.188	.186	.183	.181	.179	.176	.174	.172	.170	.168
5400	.202	.199	.195	.192	.189	.187	.184	.182	.180	.177	.175	.173	.171	.169	.167	.164
5600	.198	.195	.191	.189	.186	.183	.181	.178	.176	.174	.172	.170	.167	.165	.163	.161
5800	.194	.191	.188	.185	.182	.180	.177	.175	.173	.171	.168	.166	.164	.162	.160	.158
6000	.191	.187	.184	.181	.179	.176	.174	.172	.170	.167	.165	.163	.161	.159	.157	.155
6200	.187	.184	.181	.178	.175	.173	.171	.168	.166	.164	.162	.160	.158	.156	.154	.152
6400	.183	.18C	.177	.175	.172	.170	.168	.165	.163	.161	.159	.157	.155	.153	.151	.150
6600	.18C	.177	.174	.171	.169	.167	.165	.162	.160	.158	.156	.154	.153	.151	.149	.147
6800	.177	.174	.171	.168	.166	.164	.162	.160	.157	.156	.154	.152	.150	.148	.146	.144
7000	.173	.17C	.168	.165	.163	.161	.159	.157	.155	.153	.151	.149	.147	.145	.143	.142
7200	.17C	.167	.165	.162	.160	.158	.156	.154	.152	.150	.148	.146	.145	.143	.141	.139
7400	.167	.165	.162	.160	.157	.155	.153	.151	.149	.148	.146	.144	.142	.140	.139	.137
7600	.164	.162	.159	.157	.155	.153	.151	.149	.147	.145	.143	.141	.140	.138	.136	.134
7800	.162	.159	.156	.154	.152	.150	.148	.146	.144	.143	.141	.139	.137	.136	.134	.132
8000	.159	.156	.154	.152	.150	.148	.146	.144	.142	.140	.138	.137	.135	.133	.132	.130
8500	.152	.150	.148	.145	.143	.142	.140	.138	.136	.135	.133	.131	.130	.128	.126	.125
9000	.146	.144	.142	.140	.138	.136	.134	.133	.131	.129	.128	.126	.125	.123	.121	.120
9500	.140	.138	.136	.134	.133	.131	.129	.128	.126	.124	.123	.121	.120	.118	.117	.115
10000	.135	.133	.131	.129	.128	.126	.124	.123	.121	.120	.118	.117	.115	.114	.112	.111
10500	.13C	.128	.126	.125	.123	.121	.120	.118	.117	.115	.114	.113	.111	.110	.108	.107
11000	.125	.124	.122	.120	.119	.117	.116	.114	.113	.111	.110	.109	.107	.106	.104	.103
11500	.121	.119	.118	.116	.114	.113	.112	.110	.109	.108	.106	.105	.104	.102	.101	.100
12000	.117	.115	.114	.112	.111	.109	.108	.106	.105	.104	.103	.101	.100	.099	.097	.096
12500	.113	.111	.110	.108	.107	.106	.104	.103	.102	.100	.099	.098	.097	.095	.094	.093
13000	.109	.108	.106	.105	.103	.102	.101	.100	.098	.097	.096	.095	.094	.092	.091	.090
13500	.106	.104	.103	.101	.100	.099	.098	.097	.095	.094	.093	.092	.091	.089	.088	.087
14000	.102	.101	.10C	.098	.097	.096	.095	.094	.092	.091	.090	.089	.088	.087	.086	.084
14500	.099	.098	.097	.095	.094	.093	.092	.091	.090	.088	.087	.086	.085	.084	.083	.082
15000	.096	.095	.094	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.079
15500	.094	.092	.091	.090	.089	.088	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077
16000	.091	.090	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075
17000	.086	.085	.083	.082	.081	.080	.079	.078	.078	.077	.076	.075	.074	.073	.072	.071
18000	.081	.080	.079	.078	.077	.076	.075	.074	.073	.073	.072	.071	.070	.069	.068	.067
19000	.077	.076	.075	.074	.073	.072	.071	.071	.070	.069	.068	.067	.066	.065	.065	.064
20000	.073	.072	.071	.070	.070	.069	.068	.067	.066	.065	.065	.064	.063	.062	.061	.060
21000	.07C	.069	.068	.067	.066	.065	.065	.064	.063	.062	.062	.061	.060	.059	.058	.058
22000	.066	.066	.065	.064	.063	.062	.062	.061	.060	.059	.059	.058	.057	.056	.056	.055
23000	.063	.063	.062	.061	.060	.060	.059	.058	.057	.057	.056	.055	.055	.054	.053	.052
24000	.061	.060	.059	.058	.058	.057	.056	.056	.055	.054	.054	.053	.052	.052	.051	.050
25000	.058	.057	.057	.056	.055	.055	.054	.053	.053	.052	.051	.051	.050	.049	.049	.048
26000	.056	.055	.054	.054	.053	.052	.052	.051	.051	.050	.049	.049	.048	.047	.047	.046
27000	.053	.053	.052	.051	.051	.050	.050	.049	.048	.048	.047	.047	.046	.045	.045	.044
28000	.051	.051	.05C	.049	.049	.048	.048	.047	.047	.046	.046	.045	.044	.044	.043	.042
29000	.049	.049	.048	.048	.047	.046	.046	.045	.045	.044	.044	.043	.043	.042	.041	.041
30000	.048	.047	.046	.046	.045	.045	.044	.044	.043	.043	.043	.042	.041	.040	.040	.039
31000	.046	.045	.045	.044	.044	.043	.043	.042	.042	.042	.041	.041	.040	.039	.038	.038
32000	.044	.044	.043	.043	.042	.042	.041	.041	.040	.040	.039	.039				

ETA=120.C DEGREES

DELTA= 40.C DEGREES

*RP	1CC	2CC	3CC	4CC	5CC	6CC	700	8CC	9CC	10CC	11CC	12CC	13CC	14CC	15CC	16CC
RA*																
1CC	.427															
2CC	.411	.356														
3CC	.356	.365	.373													
4CC	.287	.274	.364	.354												
5CC	.278	.265	.355	.346	.337											
6CC	.265	.257	.347	.338	.330	.322										
7CC	.261	.245	.335	.330	.323	.315	.308									
8CC	.253	.242	.332	.324	.316	.309	.302	.295								
9CC	.246	.235	.325	.317	.310	.302	.296	.290	.283							
10CC	.235	.226	.315	.311	.304	.297	.290	.284	.278	.272						
11CC	.233	.222	.313	.305	.298	.291	.285	.278	.273	.267	.261					
12CC	.227	.216	.307	.300	.292	.286	.279	.273	.267	.262	.256	.251				
13CC	.221	.211	.302	.294	.287	.281	.274	.268	.263	.257	.251	.246	.241			
14CC	.215	.205	.297	.289	.282	.276	.270	.264	.258	.252	.247	.242	.236	.231		
15CC	.210	.200	.292	.284	.277	.271	.265	.259	.253	.248	.242	.237	.232	.227	.222	.213
16CC	.204	.195	.287	.279	.273	.266	.260	.255	.249	.244	.238	.233	.228	.223	.218	.209
17CC	.199	.190	.282	.275	.268	.262	.256	.250	.245	.240	.234	.229	.224	.219	.214	.205
18CC	.194	.185	.277	.270	.264	.258	.252	.246	.241	.236	.230	.225	.220	.215	.210	.200
19CC	.189	.181	.273	.266	.260	.254	.248	.242	.237	.232	.227	.221	.216	.211	.206	.196
20CC	.185	.176	.265	.258	.252	.246	.240	.234	.229	.224	.218	.213	.208	.203	.198	.188
21CC	.181	.172	.265	.258	.252	.246	.240	.234	.229	.224	.218	.213	.208	.203	.198	.188
22CC	.176	.168	.261	.254	.248	.242	.237	.231	.226	.221	.216	.211	.206	.201	.196	.186
23CC	.172	.164	.257	.250	.244	.238	.233	.228	.222	.217	.212	.207	.202	.197	.192	.182
24CC	.168	.160	.253	.247	.241	.235	.229	.224	.219	.214	.209	.204	.199	.194	.189	.179
25CC	.164	.156	.245	.243	.237	.231	.226	.221	.216	.211	.206	.201	.196	.191	.186	.176
26CC	.160	.153	.240	.234	.228	.223	.218	.213	.208	.203	.198	.193	.188	.183	.178	.168
27CC	.157	.149	.242	.236	.230	.225	.220	.215	.210	.205	.200	.195	.190	.185	.180	.170
28CC	.153	.146	.235	.233	.227	.222	.217	.211	.207	.202	.197	.192	.187	.182	.177	.167
29CC	.149	.142	.236	.230	.224	.219	.213	.208	.204	.199	.194	.189	.184	.179	.174	.164
30CC	.146	.139	.232	.226	.221	.216	.211	.206	.201	.196	.191	.186	.181	.176	.171	.161
31CC	.142	.135	.226	.223	.218	.213	.208	.203	.198	.193	.188	.183	.178	.173	.168	.158
32CC	.139	.132	.226	.220	.215	.210	.205	.200	.195	.190	.185	.180	.175	.170	.165	.155
33CC	.135	.128	.220	.215	.209	.204	.199	.194	.189	.184	.179	.174	.169	.164	.159	.149
34CC	.131	.124	.215	.209	.204	.199	.194	.189	.184	.179	.174	.169	.164	.159	.154	.144
35CC	.127	.120	.205	.204	.199	.194	.189	.184	.179	.174	.169	.164	.159	.154	.149	.139
36CC	.123	.116	.204	.199	.194	.189	.184	.179	.174	.169	.164	.159	.154	.149	.144	.134
37CC	.119	.112	.200	.195	.190	.185	.180	.175	.170	.165	.160	.155	.150	.145	.140	.130
38CC	.115	.108	.195	.194	.189	.184	.179	.174	.169	.164	.159	.154	.149	.144	.139	.129
39CC	.111	.104	.190	.189	.184	.179	.174	.169	.164	.159	.154	.149	.144	.139	.134	.124
40CC	.107	.100	.185	.184	.179	.174	.169	.164	.159	.154	.149	.144	.139	.134	.129	.119
41CC	.103	.096	.180	.179	.174	.169	.164	.159	.154	.149	.144	.139	.134	.129	.124	.114
42CC	.099	.092	.175	.174	.169	.164	.159	.154	.149	.144	.139	.134	.129	.124	.119	.109
43CC	.095	.088	.170	.169	.164	.159	.154	.149	.144	.139	.134	.129	.124	.119	.114	.104
44CC	.091	.084	.165	.164	.159	.154	.149	.144	.139	.134	.129	.124	.119	.114	.109	.099
45CC	.087	.080	.160	.159	.154	.149	.144	.139	.134	.129	.124	.119	.114	.109	.104	.094
46CC	.083	.076	.155	.154	.149	.144	.139	.134	.129	.124	.119	.114	.109	.104	.099	.089
47CC	.079	.072	.150	.149	.144	.139	.134	.129	.124	.119	.114	.109	.104	.099	.094	.084
48CC	.075	.068	.145	.144	.139	.134	.129	.124	.119	.114	.109	.104	.099	.094	.089	.079
49CC	.071	.064	.140	.139	.134	.129	.124	.119	.114	.109	.104	.099	.094	.089	.084	.074
50CC	.067	.060	.135	.134	.129	.124	.119	.114	.109	.104	.099	.094	.089	.084	.079	.069
51CC	.063	.056	.130	.129	.124	.119	.114	.109	.104	.099	.094	.089	.084	.079	.074	.064
52CC	.059	.052	.125	.124	.119	.114	.109	.104	.099	.094	.089	.084	.079	.074	.069	.059
53CC	.055	.048	.120	.119	.114	.109	.104	.099	.094	.089	.084	.079	.074	.069	.064	.054
54CC	.051	.044	.115	.114	.109	.104	.099	.094	.089	.084	.079	.074	.069	.064	.059	.049
55CC	.047	.040	.110	.109	.104	.099	.094	.089	.084	.079	.074	.069	.064	.059	.054	.044
56CC	.043	.036	.105	.104	.099	.094	.089	.084	.079	.074	.069	.064	.059	.054	.049	.039
57CC	.039	.032	.100	.099	.094	.089	.084	.079	.074	.069	.064	.059	.054	.049	.044	.034
58CC	.035	.028	.095	.094	.089	.084	.079	.074	.069	.064	.059	.054	.049	.044	.039	.029
59CC	.031	.024	.090	.089	.084	.079	.074	.069	.064	.059	.054	.049	.044	.039	.034	.024
60CC	.027	.020	.085	.084	.079	.074	.069	.064	.059	.054	.049	.044	.039	.034	.029	.019
61CC	.023	.016	.080	.079	.074	.069	.064	.059	.054	.049	.044	.039	.034	.029	.024	.014
62CC	.019	.012	.075	.074	.069	.064	.059	.054	.049	.044	.039	.034	.029	.024	.019	.009
63CC	.015	.008	.070	.069	.064	.059	.054	.049	.044	.039	.034	.029	.024	.019	.014	.004
64CC	.011	.004	.065	.064	.059	.054	.049	.044	.039	.034	.029	.024	.019	.014	.009	.004
65CC	.007	.000	.060	.059	.054	.049	.044	.039	.034	.029	.024	.019	.014	.009	.004	.004
66CC	.003	.000	.055	.054	.049	.044	.039	.034	.029	.024	.019	.014	.009	.004	.000	.000
67CC	.000	.000	.050	.049	.044	.039	.034	.029	.024	.019	.014	.009	.004	.000	.000	.000
68CC	.000	.000	.045	.044	.039	.034	.029	.024	.019	.014	.009	.004	.000	.000	.000	.000
69CC	.000	.000	.040	.039	.034	.029	.024	.019	.014	.009	.004	.000	.000	.000	.000	.000
70CC	.000	.000	.035	.034	.029	.024	.019	.014	.009	.004	.000	.000	.000	.000	.000	.000
71CC	.000	.000	.030	.029	.024	.019	.014	.009	.004	.000	.000	.000	.000	.000	.000	.000
72CC	.000	.000	.025	.024	.019	.014	.009	.004	.000	.000	.000	.000	.000	.000	.000	.000
73CC	.000	.000	.020	.019	.014	.009	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000
74CC	.000	.000	.015	.014	.009	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
75CC	.000	.000	.010	.009	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
76CC	.000	.000	.005	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
77CC	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
78CC	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
79CC	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
80CC	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA=120.0 DEGREES DELTA= 60.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.386															
200	.364	.337														
300	.347	.321	.298													
400	.332	.307	.284	.263												
500	.320	.294	.272	.251	.231											
600	.308	.283	.261	.240	.219	.198										
700	.298	.273	.251	.230	.209	.188	.166									
800	.288	.264	.242	.221	.200	.178	.155	.130								
900	.275	.255	.234	.212	.191	.169	.145	.119	.086							
1000	.271	.247	.226	.204	.183	.160	.136	.108	.071	.000						
1100	.263	.240	.218	.197	.175	.152	.127	.097	.055	.000	.000					
1200	.256	.233	.211	.190	.168	.145	.118	.086	.035	.000	.000	.000				
1300	.249	.226	.204	.183	.161	.137	.110	.076	.000	.000	.000	.000	.000			
1400	.242	.220	.198	.177	.154	.130	.102	.064	.000	.000	.000	.000	.000	.000		
1500	.236	.213	.192	.171	.148	.123	.094	.052	.000	.000	.000	.000	.000	.000	.000	
1600	.230	.208	.186	.165	.142	.117	.086	.038	.000	.000	.000	.000	.000	.000	.000	.000
1700	.224	.202	.181	.159	.136	.111	.078	.000	.000	.000	.000	.000	.000	.000	.000	.000
1800	.218	.197	.176	.154	.131	.104	.071	.000	.000	.000	.000	.000	.000	.000	.000	.000
1900	.213	.192	.171	.149	.126	.099	.063	.000	.000	.000	.000	.000	.000	.000	.000	.000
2000	.208	.187	.166	.144	.121	.093	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2100	.203	.182	.162	.140	.116	.087	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2200	.199	.178	.157	.136	.111	.082	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2300	.194	.174	.153	.131	.107	.077	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2400	.190	.170	.149	.127	.103	.072	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2500	.186	.166	.145	.124	.099	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2600	.182	.162	.142	.120	.095	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2700	.178	.159	.138	.116	.091	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2800	.174	.155	.135	.113	.087	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2900	.171	.152	.132	.110	.083	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3000	.168	.148	.128	.106	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3100	.164	.145	.125	.103	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3200	.161	.142	.123	.100	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3400	.155	.137	.117	.095	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3600	.149	.131	.112	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3800	.144	.126	.107	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4000	.139	.122	.103	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4200	.134	.117	.098	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4400	.130	.113	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4600	.126	.109	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4800	.122	.106	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5000	.118	.102	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5200	.115	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5400	.111	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5600	.108	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5800	.105	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6000	.102	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6200	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA=120.0 DEGREES DELTA= 70.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.329															
200	.299	.246														
300	.275	.222	.166													
400	.256	.202	.142	.045												
500	.240	.184	.119	.000	.000											
600	.225	.168	.097	.000	.000	.000										
700	.212	.153	.074	.000	.000	.000	.000									
800	.200	.140	.000	.000	.000	.000	.000	.000								
900	.190	.128	.000	.000	.000	.000	.000	.000	.000							
1000	.180	.117	.000	.000	.000	.000	.000	.000	.000	.000						
1100	.171	.106	.000	.000	.000	.000	.000	.000	.000	.000	.000					
1200	.162	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000				
1300	.155	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			
1400	.148	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		
1500	.141	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
1600	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

	DELTA=140.0 DEGREES					DELTA= 30.0 DEGREES										
*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.435															
200	.420	.409														
300	.408	.397	.389													
400	.397	.387	.379	.372												
500	.387	.378	.370	.364	.355											
600	.378	.370	.362	.356	.350	.345										
700	.370	.362	.355	.349	.343	.338	.333									
800	.362	.354	.348	.342	.336	.331	.327	.322								
900	.354	.347	.341	.335	.330	.325	.321	.316	.312							
1000	.347	.341	.335	.329	.324	.319	.315	.311	.307	.303						
1100	.341	.334	.329	.323	.318	.314	.310	.305	.301	.298	.294					
1200	.335	.328	.323	.318	.313	.309	.304	.300	.296	.293	.289	.286				
1300	.329	.323	.317	.312	.308	.303	.299	.295	.292	.288	.284	.281	.278			
1400	.323	.317	.312	.307	.303	.298	.294	.291	.287	.283	.280	.277	.273	.270		
1500	.317	.312	.307	.302	.298	.294	.290	.286	.282	.279	.276	.272	.269	.266	.263	
1600	.312	.306	.302	.297	.293	.289	.285	.282	.278	.275	.271	.268	.265	.262	.259	.256
1700	.307	.302	.297	.293	.288	.285	.281	.277	.274	.271	.267	.264	.261	.258	.255	.252
1800	.302	.297	.292	.288	.284	.280	.277	.273	.270	.267	.263	.260	.257	.254	.251	.248
1900	.297	.292	.288	.284	.280	.276	.273	.269	.266	.263	.260	.257	.254	.251	.248	.245
2000	.292	.288	.283	.279	.275	.272	.269	.265	.262	.259	.256	.253	.250	.247	.244	.242
2100	.288	.283	.279	.275	.272	.268	.265	.262	.259	.255	.252	.249	.247	.244	.241	.238
2200	.283	.279	.275	.271	.268	.264	.261	.258	.255	.252	.249	.246	.243	.240	.238	.235
2300	.279	.275	.271	.267	.264	.261	.257	.254	.251	.248	.245	.243	.240	.237	.234	.232
2400	.275	.271	.267	.264	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.231	.229
2500	.271	.267	.263	.260	.257	.253	.250	.247	.244	.242	.239	.236	.234	.231	.228	.226
2600	.267	.263	.260	.256	.253	.250	.247	.244	.241	.238	.236	.233	.231	.228	.225	.223
2700	.264	.260	.256	.253	.250	.247	.244	.241	.238	.235	.233	.230	.228	.225	.222	.220
2800	.260	.256	.253	.249	.246	.243	.240	.238	.235	.232	.230	.227	.225	.222	.220	.217
2900	.256	.253	.249	.246	.243	.240	.237	.235	.232	.229	.227	.224	.222	.219	.217	.214
3000	.253	.249	.246	.243	.240	.237	.234	.232	.229	.226	.224	.221	.219	.217	.214	.212
3100	.250	.246	.243	.240	.237	.234	.231	.229	.226	.224	.221	.219	.216	.214	.212	.209
3200	.246	.243	.240	.237	.234	.231	.228	.226	.223	.221	.218	.216	.214	.211	.209	.207
3400	.240	.237	.234	.231	.228	.225	.223	.220	.218	.216	.213	.211	.209	.206	.204	.202
3600	.234	.231	.228	.225	.223	.220	.218	.215	.213	.210	.208	.206	.204	.201	.199	.197
3800	.228	.225	.222	.220	.217	.215	.212	.210	.208	.206	.203	.201	.199	.197	.195	.193
4000	.223	.220	.217	.215	.212	.210	.207	.205	.203	.201	.199	.197	.195	.192	.190	.188
4200	.217	.215	.212	.210	.207	.205	.203	.201	.198	.196	.194	.192	.190	.188	.186	.184
4400	.212	.210	.207	.205	.203	.200	.198	.196	.194	.192	.190	.188	.186	.184	.182	.180
4600	.208	.205	.203	.200	.198	.196	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176
4800	.203	.200	.198	.196	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176	.175	.173
5000	.198	.196	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176	.175	.173	.171	.169
5200	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176	.175	.173	.171	.169	.167	.166
5400	.190	.188	.186	.184	.182	.180	.178	.176	.175	.173	.171	.169	.168	.166	.164	.162
5600	.186	.184	.182	.180	.178	.176	.175	.173	.171	.169	.168	.166	.164	.163	.161	.159
5800	.182	.180	.178	.176	.175	.173	.171	.169	.168	.166	.164	.163	.161	.159	.158	.156
6000	.179	.177	.175	.173	.171	.169	.168	.166	.164	.163	.161	.160	.158	.156	.155	.153
6200	.175	.173	.171	.170	.168	.166	.164	.163	.161	.160	.158	.157	.155	.153	.152	.150
6400	.172	.170	.168	.166	.165	.163	.161	.160	.158	.157	.155	.154	.152	.151	.149	.147
6600	.166	.164	.162	.160	.158	.157	.155	.154	.152	.151	.149	.148	.146	.145	.144	.142
6800	.165	.163	.162	.160	.158	.157	.155	.154	.152	.151	.149	.148	.147	.145	.144	.142
7000	.162	.160	.159	.157	.156	.154	.153	.151	.150	.148	.147	.146	.144	.143	.141	.140
7200	.159	.157	.156	.154	.153	.151	.150	.148	.147	.146	.144	.143	.141	.140	.139	.137
7400	.156	.154	.153	.151	.150	.149	.147	.146	.144	.143	.142	.140	.139	.138	.136	.135
7600	.153	.152	.150	.149	.147	.146	.145	.143	.142	.141	.139	.138	.137	.135	.134	.132
7800	.151	.149	.148	.146	.145	.143	.142	.141	.139	.138	.137	.135	.134	.133	.132	.130
8000	.148	.146	.145	.144	.142	.141	.140	.138	.137	.136	.134	.133	.132	.131	.129	.128
8500	.142	.140	.139	.138	.136	.135	.134	.133	.131	.130	.129	.128	.127	.125	.124	.123
9000	.136	.134	.133	.132	.131	.130	.128	.127	.126	.125	.124	.123	.122	.120	.119	.118
9500	.130	.129	.128	.127	.126	.125	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114
10000	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.111	.110	.109
10500	.121	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105
11000	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.106	.105	.104	.103	.102
11500	.112	.111	.110	.109	.108	.107	.106	.105	.105	.104	.103	.102	.101	.100	.099	.098
12000	.108	.107	.106	.105	.104	.104	.103	.102	.101	.100	.099	.098	.098	.097	.096	.095
12500	.104	.103	.103	.102	.101	.100	.099	.098	.098	.097	.096	.095	.094	.093	.093	.092
13000	.101	.100	.099	.098	.098	.097	.096	.095	.094	.094	.093	.092	.091	.090	.090	.089
13500	.098	.097	.096	.095	.094	.094	.093	.092	.091	.091	.090	.089	.088	.088	.087	.086
14000	.094	.094	.093	.092	.091	.091	.090	.089	.089	.088	.087	.086	.086	.085	.084	.083
14500	.091	.091	.090	.089	.089	.088	.087	.087	.086	.085	.084	.084	.083	.082	.082	.081
15000	.089	.088	.087	.087	.086	.085	.085	.084	.083	.083	.082	.081	.081	.080	.079	.078
15500	.086	.085	.085	.084	.083	.083	.082	.082	.081	.080	.080	.079	.078	.078	.077	.076
16000	.084	.083	.082	.082	.081	.080	.080	.079	.079	.078	.077	.077	.076	.075	.075	.074
17000	.079	.078	.078	.077	.077	.076	.075	.075	.074	.074	.073	.072	.072	.071	.071	.070
18000	.075	.074	.074	.073	.072	.072	.071	.071	.070	.070	.069	.069	.068	.067	.067	.066
19000	.071	.070	.070	.069	.069	.068	.068	.067	.067	.066	.066	.065	.065	.064	.063	.063
20000	.067	.067	.066	.066	.065	.065	.064	.064	.063	.063	.062	.062	.061	.061	.060	.060
21000	.064	.063	.063	.063	.062	.062	.061	.061	.060	.060	.059	.059	.059	.058	.058	.057
22000	.061	.060	.060	.060	.059	.059	.058	.058	.058	.057	.057	.056	.056	.055	.055	.054
23000	.058	.058	.057	.057	.057	.056	.056	.055	.055	.055	.054	.054	.053	.053	.052	.052
24000	.056	.055	.055	.054	.054	.054	.053	.053	.053	.052	.052	.051	.051	.050	.050	.050
25000	.053	.053	.052	.052	.052	.051	.051	.051	.050	.050	.050	.049	.049	.048	.048	.048
26000	.051	.051	.050	.050	.050	.049	.049	.049	.048	.048	.048	.047	.047	.047	.046	.046
27000	.049	.049	.048	.048	.048	.047	.047	.046	.046	.046	.045	.045	.045	.044	.044	.044
28000	.047	.047	.046	.046	.046	.045	.045	.045	.045	.044	.044	.044	.043	.043	.043	.042
29000	.045	.045	.045	.044	.044	.044	.043	.043	.043	.043	.042	.042	.042	.041	.041	.041
30000	.043	.043	.043	.043	.042	.042	.042	.041	.041	.041	.041	.040	.040	.039	.039	.039
31000	.042	.042	.041	.041	.041	.040	.040	.040	.040	.040	.039	.039	.038	.038	.038	.038
32000	.040	.040	.040	.040	.039	.039	.039	.039	.038	.038	.038	.037	.037	.03		

ETA=140.0 DEGREES DELTA= 40.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.427															
200	.410	.396														
300	.397	.384	.473													
400	.385	.374	.363	.354												
500	.375	.364	.354	.345	.337											
600	.365	.355	.346	.337	.330	.322										
700	.357	.347	.338	.330	.322	.315	.308									
800	.349	.339	.331	.323	.316	.309	.302	.295								
900	.341	.332	.324	.316	.309	.302	.296	.290	.283							
1000	.334	.325	.317	.310	.303	.296	.290	.284	.278	.272						
1100	.327	.318	.311	.304	.297	.291	.285	.279	.273	.267	.261					
1200	.320	.312	.305	.298	.291	.285	.279	.273	.268	.262	.256	.251				
1300	.314	.306	.299	.292	.286	.280	.274	.268	.263	.257	.252	.246	.241			
1400	.308	.301	.294	.287	.281	.275	.269	.264	.258	.253	.247	.242	.237	.231		
1500	.302	.295	.288	.282	.276	.270	.265	.259	.254	.248	.243	.238	.232	.227	.222	.218
1600	.297	.290	.283	.277	.271	.266	.260	.255	.249	.244	.239	.234	.229	.223	.218	.213
1700	.292	.285	.278	.272	.267	.261	.256	.250	.245	.240	.235	.230	.225	.220	.214	.209
1800	.287	.280	.274	.268	.262	.257	.252	.246	.241	.236	.231	.226	.221	.216	.211	.206
1900	.282	.275	.269	.264	.258	.253	.247	.242	.237	.232	.227	.222	.217	.212	.207	.202
2000	.277	.271	.265	.259	.254	.249	.244	.239	.234	.229	.224	.219	.214	.209	.204	.199
2100	.273	.266	.261	.255	.250	.245	.240	.235	.230	.225	.220	.215	.211	.206	.201	.196
2200	.268	.262	.257	.251	.246	.241	.236	.231	.226	.222	.217	.212	.207	.203	.198	.193
2300	.264	.258	.253	.247	.242	.237	.232	.228	.223	.218	.214	.209	.204	.199	.195	.190
2400	.260	.254	.249	.244	.239	.234	.229	.224	.220	.215	.210	.206	.201	.196	.192	.187
2500	.256	.250	.245	.240	.235	.230	.226	.221	.216	.212	.207	.203	.198	.194	.189	.184
2600	.252	.246	.241	.236	.232	.227	.222	.218	.213	.209	.204	.200	.195	.191	.186	.181
2700	.248	.243	.238	.233	.228	.224	.219	.215	.210	.206	.201	.197	.192	.188	.183	.179
2800	.244	.239	.234	.230	.225	.221	.216	.212	.207	.203	.199	.194	.190	.185	.181	.176
2900	.241	.236	.231	.226	.222	.217	.213	.207	.204	.200	.196	.191	.187	.183	.178	.174
3000	.237	.233	.228	.223	.219	.214	.210	.206	.202	.197	.193	.189	.184	.180	.176	.171
3100	.234	.229	.225	.220	.216	.211	.207	.203	.199	.195	.190	.186	.182	.178	.173	.169
3200	.231	.226	.222	.217	.213	.209	.204	.200	.196	.192	.188	.184	.179	.175	.171	.166
3400	.225	.220	.216	.211	.207	.203	.199	.195	.191	.187	.183	.179	.175	.171	.166	.162
3600	.219	.214	.210	.206	.202	.198	.194	.190	.186	.182	.178	.174	.170	.166	.162	.158
3800	.213	.209	.205	.201	.197	.193	.189	.185	.181	.177	.173	.170	.166	.162	.158	.154
4000	.207	.203	.199	.196	.192	.188	.184	.181	.177	.173	.169	.166	.162	.158	.154	.150
4200	.202	.198	.195	.191	.187	.183	.180	.176	.173	.169	.165	.162	.158	.154	.150	.146
4400	.197	.194	.190	.186	.183	.179	.176	.172	.168	.165	.161	.158	.154	.150	.146	.143
4600	.193	.189	.185	.182	.178	.175	.171	.168	.164	.161	.157	.154	.150	.147	.143	.139
4800	.188	.185	.181	.178	.174	.171	.168	.164	.161	.157	.154	.150	.147	.143	.140	.136
5000	.184	.180	.177	.174	.170	.167	.164	.160	.157	.154	.150	.147	.144	.140	.136	.133
5200	.180	.176	.173	.170	.167	.163	.160	.157	.154	.150	.147	.144	.140	.137	.133	.130
5400	.176	.172	.169	.166	.163	.160	.157	.154	.150	.147	.144	.141	.137	.134	.130	.127
5600	.172	.169	.166	.162	.159	.156	.153	.150	.147	.144	.141	.138	.134	.131	.128	.124
5800	.168	.165	.162	.159	.156	.153	.150	.147	.144	.141	.138	.135	.132	.128	.125	.121
6000	.165	.162	.159	.156	.153	.150	.147	.144	.141	.138	.135	.132	.129	.126	.122	.119
6200	.161	.158	.155	.153	.150	.147	.144	.141	.138	.135	.132	.129	.126	.123	.120	.116
6400	.158	.155	.152	.149	.147	.144	.141	.138	.135	.133	.130	.127	.124	.120	.117	.114
6600	.155	.152	.149	.146	.144	.141	.138	.136	.133	.130	.127	.124	.121	.118	.115	.112
6800	.152	.149	.146	.144	.141	.138	.136	.133	.130	.128	.125	.122	.119	.116	.113	.109
7000	.149	.146	.143	.141	.138	.136	.133	.130	.128	.125	.122	.119	.116	.114	.110	.107
7200	.146	.143	.141	.138	.136	.133	.130	.128	.125	.123	.120	.117	.114	.111	.108	.105
7400	.143	.141	.138	.136	.133	.131	.128	.126	.123	.120	.118	.115	.112	.109	.106	.103
7600	.140	.138	.135	.133	.131	.128	.126	.123	.121	.118	.115	.113	.110	.107	.104	.101
7800	.138	.135	.133	.131	.128	.126	.123	.121	.118	.116	.113	.111	.108	.105	.102	.099
8000	.135	.133	.131	.128	.126	.124	.121	.119	.116	.114	.111	.109	.106	.103	.101	.098
8500	.129	.127	.125	.123	.120	.118	.116	.114	.111	.109	.107	.104	.101	.099	.096	.093
9000	.124	.122	.120	.117	.115	.113	.111	.109	.107	.104	.102	.100	.097	.095	.092	.089
9500	.119	.117	.115	.113	.111	.109	.107	.104	.102	.100	.098	.096	.093	.091	.088	.086
10000	.114	.112	.110	.108	.106	.104	.102	.100	.098	.096	.094	.092	.090	.087	.085	.082
10500	.109	.108	.106	.104	.102	.100	.098	.096	.094	.092	.090	.088	.086	.084	.081	.079
11000	.105	.104	.102	.100	.098	.097	.095	.093	.091	.089	.087	.085	.083	.081	.078	.076
11500	.101	.100	.098	.096	.095	.093	.091	.089	.088	.086	.084	.082	.080	.078	.075	.073
12000	.098	.096	.095	.093	.091	.090	.088	.086	.085	.083	.081	.079	.077	.075	.073	.071
12500	.094	.093	.091	.090	.088	.087	.085	.083	.082	.080	.078	.076	.074	.072	.070	.068
13000	.091	.090	.088	.087	.085	.084	.082	.080	.079	.077	.075	.074	.072	.070	.068	.066
13500	.088	.087	.085	.084	.082	.081	.079	.078	.076	.075	.073	.071	.069	.067	.066	.064
14000	.085	.084	.082	.081	.080	.078	.077	.075	.074	.072	.071	.069	.067	.065	.063	.061
14500	.082	.081	.080	.078	.077	.076	.074	.073	.071	.070	.068	.067	.065	.063	.061	.059
15000	.080	.079	.077	.076	.075	.073	.072	.071	.069	.068	.066	.065	.063	.061	.059	.058
15500	.077	.076	.075	.074	.072	.071	.070	.069	.067	.066	.064	.063	.061	.059	.058	.056
16000	.075	.074	.073	.072	.070	.069	.068	.066	.065	.064	.062	.061	.059	.058	.056	.054
17000	.071	.070	.069	.067	.066	.065	.064	.063	.061	.060	.059	.057	.056	.054	.053	.051
18000	.067	.066	.065	.064	.063	.062	.060	.059	.058	.057	.056	.054	.053	.051	.050	.048
19000	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.051	.050	.049	.047	.046
20000	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.047	.046	.045	.043
21000	.057	.056	.055	.054	.053	.052	.051	.050	.049	.047	.046	.045	.044	.043	.041	.040
22000	.054	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.039
23000	.052	.051	.050	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.037
24000	.050	.049	.048	.047	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036
25000	.047	.047	.046	.045	.044	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034
26000	.045	.045	.044	.043	.043	.042	.041	.040	.040	.039	.038	.037	.036	.035	.034	.033
27000	.043	.043	.042	.042	.041	.040	.039	.039	.038	.037	.036	.035	.034	.033	.032	.031
28000	.042	.041	.041	.040	.039	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.030
29000	.040	.040	.039	.038	.038	.037	.036	.036	.035	.034	.033	.033	.032	.031	.030	.029
30000	.039	.038	.037	.037	.036	.036	.035	.034	.033	.033	.032	.031	.031	.030	.029	.028
31000	.037	.037	.036	.036	.035	.034	.034	.033	.032	.031	.031	.030	.029	.028	.027	.026
32000	.036	.035	.035	.034	.034	.033	.033	.032	.031	.031	.030	.029	.028	.028	.027	.026
33000	.030	.030	.029	.												

	META=14C DEGREES					DELTA= 5C DEGREES										
*RP	1CC	2CC	3CC	4CC	5CC	6CC	7CC	8CC	9CC	10CC	11CC	12CC	13CC	14CC	15CC	16CC
1CC	.412															
2CC	.354	.376														
3CC	.375	.362	.347													
4CC	.367	.351	.336	.323												
5CC	.355	.340	.327	.314	.302											
6CC	.345	.321	.31E	.30E	.294	.282										
7CC	.33E	.322	.305	.298	.28E	.275	.264									
8CC	.327	.314	.302	.290	.275	.268	.258	.247								
9CC	.315	.30E	.285	.283	.272	.262	.251	.241	.230							
10CC	.311	.295	.28E	.277	.26E	.25E	.245	.235	.225	.214						
11CC	.304	.282	.281	.271	.260	.250	.240	.230	.215	.209	.19E	.182				
12CC	.297	.28E	.275	.265	.255	.245	.235	.225	.214	.204	.193	.182	.16E			
13CC	.291	.280	.265	.259	.249	.239	.230	.220	.210	.195	.189	.17E	.16E	.150		
14CC	.285	.274	.264	.254	.244	.234	.225	.215	.205	.195	.184	.174	.162	.150		
15CC	.275	.26E	.25E	.245	.235	.220	.210	.201	.191	.181	.170	.165	.15E	.14E	.133	
16CC	.273	.263	.253	.244	.234	.225	.21E	.20E	.19E	.187	.17E	.16E	.154	.142	.129	.115
17CC	.26E	.25E	.24E	.239	.230	.221	.211	.202	.192	.183	.172	.162	.151	.135	.12E	.112
18CC	.263	.253	.244	.235	.22E	.21E	.207	.198	.189	.179	.165	.15E	.147	.135	.122	.108
19CC	.25E	.24E	.235	.220	.221	.212	.203	.194	.185	.175	.165	.155	.144	.132	.119	.105
20CC	.253	.244	.235	.22E	.217	.205	.200	.191	.181	.172	.162	.152	.141	.125	.11E	.102
21CC	.24E	.235	.231	.222	.213	.205	.19E	.1E7	.178	.169	.159	.14E	.137	.12E	.113	.099
22CC	.244	.235	.227	.218	.210	.201	.193	.184	.175	.165	.15E	.145	.134	.123	.110	.09E
23CC	.240	.231	.223	.214	.20E	.198	.189	.180	.172	.162	.153	.142	.132	.120	.107	.093
24CC	.23E	.227	.215	.211	.203	.194	.18E	.177	.168	.159	.150	.140	.125	.117	.104	.090
25CC	.232	.223	.215	.207	.195	.181	.183	.174	.165	.15E	.147	.137	.12E	.115	.102	.087
26CC	.22E	.220	.212	.204	.19E	.188	.180	.171	.163	.154	.144	.134	.124	.11E	.095	.085
27CC	.224	.21E	.20E	.201	.193	.185	.177	.168	.160	.151	.142	.132	.121	.110	.097	.082
28CC	.221	.213	.205	.197	.190	.182	.174	.16E	.157	.148	.135	.125	.115	.107	.094	.080
29CC	.217	.205	.202	.194	.187	.175	.171	.163	.154	.14E	.137	.127	.11E	.105	.092	.077
30CC	.214	.20E	.195	.191	.184	.17E	.16E	.160	.152	.143	.134	.124	.114	.103	.090	.075
31CC	.210	.203	.19E	.18E	.181	.173	.16E	.158	.149	.141	.132	.122	.112	.101	.08E	.073
32CC	.207	.200	.193	.185	.17E	.171	.163	.155	.147	.139	.130	.120	.110	.09E	.08E	.071
34CC	.201	.194	.187	.180	.173	.16E	.15E	.151	.143	.134	.125	.11E	.10E	.095	.082	.067
36CC	.195	.18E	.182	.175	.16E	.161	.154	.14E	.13E	.130	.121	.112	.102	.091	.07E	.063
38CC	.190	.183	.177	.170	.163	.15E	.149	.142	.134	.12E	.11E	.10E	.09E	.087	.07E	.060
40CC	.185	.17E	.172	.165	.155	.152	.145	.138	.130	.122	.114	.105	.095	.084	.071	.05E
42CC	.180	.173	.167	.161	.154	.14E	.141	.134	.127	.119	.111	.102	.092	.081	.06E	.053
44CC	.175	.165	.163	.157	.150	.144	.137	.130	.123	.115	.107	.09E	.085	.07E	.06E	.050
46CC	.170	.164	.155	.153	.14E	.140	.134	.127	.120	.112	.104	.09E	.08E	.075	.063	.047
48CC	.16E	.160	.15E	.145	.143	.137	.130	.124	.117	.109	.101	.093	.083	.073	.060	.044
50CC	.162	.15E	.151	.145	.135	.133	.127	.120	.114	.10E	.099	.090	.081	.070	.058	.042
52CC	.15E	.153	.147	.142	.13E	.130	.124	.117	.111	.104	.09E	.08E	.07E	.06E	.055	.039
54CC	.154	.145	.144	.138	.133	.127	.121	.115	.108	.101	.093	.085	.07E	.06E	.053	.037
56CC	.151	.14E	.140	.135	.130	.124	.118	.112	.105	.09E	.091	.083	.074	.064	.051	.035
58CC	.147	.142	.137	.132	.127	.121	.115	.109	.103	.09E	.089	.081	.072	.062	.049	.032
60CC	.144	.135	.134	.129	.124	.118	.113	.107	.100	.094	.08E	.075	.070	.060	.047	.030
62CC	.141	.13E	.131	.12E	.121	.11E	.110	.104	.09E	.091	.084	.077	.06E	.05E	.04E	.030
64CC	.13E	.133	.12E	.123	.11E	.113	.10E	.102	.09E	.089	.082	.075	.06E	.05E	.044	.030
66CC	.135	.130	.12E	.121	.11E	.111	.105	.100	.094	.087	.080	.073	.064	.054	.042	.030
68CC	.132	.127	.123	.11E	.113	.10E	.103	.097	.092	.085	.07E	.071	.063	.053	.041	.030
70CC	.125	.125	.120	.11E	.111	.10E	.101	.095	.090	.083	.077	.065	.061	.051	.035	.030
72CC	.127	.122	.11E	.113	.105	.104	.099	.093	.08E	.082	.075	.06E	.055	.050	.03E	.030
74CC	.124	.120	.11E	.111	.107	.102	.097	.091	.08E	.080	.073	.06E	.05E	.04E	.03E	.030
76CC	.122	.117	.113	.105	.104	.100	.095	.090	.084	.07E	.072	.065	.057	.047	.035	.030
78CC	.115	.115	.111	.107	.102	.09E	.093	.08E	.082	.077	.070	.063	.055	.04E	.03E	.030
80CC	.117	.113	.105	.105	.100	.09E	.091	.08E	.081	.075	.065	.062	.054	.045	.033	.030
85CC	.111	.10E	.104	.100	.09E	.091	.087	.082	.077	.071	.065	.05E	.051	.042	.030	.030
90CC	.107	.102	.095	.095	.091	.087	.083	.078	.073	.068	.062	.05E	.04E	.035	.030	.030
95CC	.102	.095	.095	.091	.087	.083	.079	.075	.070	.065	.055	.053	.045	.037	.030	.030
100CC	.09E	.094	.091	.087	.084	.080	.07E	.072	.067	.062	.05E	.050	.043	.035	.030	.030
105CC	.094	.091	.087	.084	.080	.077	.073	.069	.064	.059	.054	.04E	.041	.033	.030	.030
110CC	.090	.087	.084	.081	.077	.074	.070	.06E	.062	.057	.052	.04E	.035	.031	.030	.030
115CC	.087	.084	.081	.07E	.074	.071	.067	.063	.059	.055	.045	.044	.037	.030	.030	.030
120CC	.083	.081	.07E	.075	.071	.06E	.065	.061	.057	.052	.047	.042	.03E	.030	.030	.030
125CC	.080	.07E	.075	.072	.065	.06E	.062	.059	.055	.050	.04E	.040	.034	.030	.030	.030
130CC	.077	.075	.072	.065	.06E	.063	.060	.05E	.053	.048	.044	.039	.033	.030	.030	.030
135CC	.075	.072	.070	.067	.064	.061	.058	.054	.051	.047	.042	.037	.031	.030	.030	.030
140CC	.072	.070	.067	.065	.062	.059	.05E	.053	.049	.045	.041	.03E	.030	.030	.030	.030
145CC	.070	.067	.065	.063	.060	.057	.054	.051	.047	.044	.035	.034	.025	.030	.030	.030
150CC	.06E	.065	.063	.061	.05E	.055	.052	.049	.04E	.042	.03E	.033	.02E	.030	.030	.030
155CC	.065	.063	.061	.055	.05E	.053	.051	.04E	.044	.041	.037	.032	.027	.030	.030	.030
160CC	.063	.061	.055	.057	.054	.052	.049	.04E	.043	.039	.035	.031	.02E	.030	.030	.030
170CC	.060	.05E	.05E	.053	.051	.049	.04E	.04E	.043	.040	.037	.033	.025	.030	.030	.030
180CC	.05E	.054	.052	.050	.04E	.04E	.043	.041	.038	.035	.031	.027	.020	.030	.030	.030
190CC	.053	.051	.050	.04E	.04E	.043	.041	.039	.03E	.033	.029	.02E	.020	.030	.030	.030
200CC	.050	.045	.047	.045	.043	.041	.039	.037	.034	.031	.02E	.024	.020	.030	.030	.030
210CC	.04E	.04E	.045	.043	.041	.039	.037	.035	.032	.029	.02E	.023	.020	.030	.030	.030
220CC	.04E	.044	.042	.041	.035	.037	.035	.033	.031	.028	.025	.022	.020	.030	.030	.030
230CC	.043	.042	.040	.035	.037	.035	.033	.031	.029	.027	.024	.020	.020	.030	.030	.030
240CC	.041	.040	.035	.037	.035	.034	.032	.030	.028	.025	.023	.019	.020	.030	.030	.030
250CC	.040	.03E	.037	.035	.034	.032	.030	.029	.02E	.024	.022	.01E	.020	.030	.030	.030
260CC	.03E	.037	.035	.034	.032	.031	.029	.027	.025	.023	.021	.018	.020	.030	.030	.030
270CC	.03E	.03E	.034	.03E	.031	.030	.028	.02E	.024	.022	.020	.018	.020	.030	.030	.030
280CC	.03E	.034	.032	.031	.030	.028	.027	.025	.023	.021	.019	.020	.020	.030	.030	.030
290CC	.033	.032	.031	.030	.025	.027	.02E	.024	.022	.020	.018	.020	.020	.030	.030	.030
300CC	.032	.031	.030	.025	.027	.02E	.02E	.025	.023	.021	.019	.020	.020	.030	.030	.030
310CC	.031	.030	.025	.02E	.02E	.02E	.025	.024	.022	.021	.019	.020	.020	.030	.030	.030
320CC	.030	.025	.02E	.027	.025	.024	.023	.021	.020	.01E	.01E	.020	.020	.030	.030	.030
370CC	.025	.024	.023	.022	.021	.020	.019	.018	.017	.015	.013	.020	.020	.030	.030	.030
420																

DELTA=140.0 DEGREES DELTA= 70.0 DEGREES

*RP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
100	.329															
200	.303	.246														
300	.282	.228	.166													
400	.260	.213	.151	.045												
500	.252	.200	.138	.000	.000											
600	.235	.185	.127	.000	.000	.000										
700	.228	.179	.116	.000	.000	.000	.000									
800	.218	.170	.107	.000	.000	.000	.000	.000								
900	.209	.162	.099	.000	.000	.000	.000	.000	.000							
1000	.201	.155	.091	.000	.000	.000	.000	.000	.000	.000						
1100	.154	.148	.085	.000	.000	.000	.000	.000	.000	.000	.000					
1200	.187	.142	.078	.000	.000	.000	.000	.000	.000	.000	.000	.000				
1300	.186	.136	.072	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			
1400	.174	.131	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		
1500	.169	.126	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
1600	.163	.122	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1700	.159	.118	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1800	.154	.114	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1900	.150	.110	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2000	.146	.106	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2100	.142	.103	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2200	.138	.100	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2300	.134	.097	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2400	.131	.095	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2500	.128	.092	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2600	.125	.090	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2700	.122	.088	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2800	.119	.086	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2900	.117	.084	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3000	.114	.082	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3100	.112	.080	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3200	.110	.078	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3400	.105	.074	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3600	.101	.070	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3800	.098	.068	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4000	.094	.064	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4200	.091	.061	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4400	.080	.050	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA=16C.C DEGREES	DELTA= C.C DEGREES															
*RP	1CC	2CC	3CC	4CC	5CC	6CC	7CC	8CC	9CC	10CC	11CC	12CC	13CC	14CC	15CC	16CC
1CC	.444															
2CC	.425	.421														
3CC	.411	.410	.404													
4CC	.406	.400	.395	.390												
5CC	.397	.391	.386	.382	.378											
6CC	.391	.382	.378	.374	.370	.367										
7CC	.375	.374	.370	.367	.363	.360	.357									
8CC	.371	.367	.363	.360	.356	.353	.351	.348								
9CC	.364	.360	.356	.353	.350	.347	.345	.342	.340							
10CC	.357	.352	.350	.346	.344	.341	.339	.336	.334	.332						
11CC	.350	.346	.343	.340	.338	.335	.333	.331	.329	.327	.325					
12CC	.343	.340	.337	.335	.332	.330	.327	.325	.324	.322	.320	.318				
13CC	.337	.334	.331	.329	.327	.324	.322	.320	.318	.317	.315	.313	.311			
14CC	.331	.328	.326	.323	.321	.319	.317	.315	.314	.312	.310	.308	.306	.304		
15CC	.326	.323	.321	.318	.316	.314	.312	.310	.309	.307	.306	.304	.303	.301	.298	.295
16CC	.320	.318	.315	.313	.311	.309	.307	.306	.304	.303	.301	.300	.298	.297	.295	.294
17CC	.315	.313	.310	.308	.306	.305	.303	.301	.300	.298	.297	.295	.294	.293	.291	.289
18CC	.310	.308	.306	.304	.302	.300	.298	.297	.295	.294	.293	.291	.289	.288	.286	.284
19CC	.305	.303	.301	.299	.297	.296	.294	.292	.291	.290	.288	.286	.284	.283	.281	.279
20CC	.301	.298	.296	.295	.293	.291	.290	.288	.287	.286	.284	.283	.281	.279	.278	.276
21CC	.296	.294	.292	.289	.288	.287	.286	.284	.283	.282	.280	.279	.278	.277	.276	.275
22CC	.292	.289	.288	.286	.285	.283	.282	.280	.279	.278	.277	.275	.274	.273	.272	.271
23CC	.287	.285	.284	.282	.281	.279	.278	.277	.275	.274	.273	.272	.271	.269	.268	.266
24CC	.283	.281	.280	.278	.277	.275	.274	.273	.272	.271	.269	.268	.267	.266	.264	.263
25CC	.279	.277	.276	.274	.273	.272	.270	.269	.268	.267	.266	.264	.263	.262	.261	.259
26CC	.275	.273	.272	.271	.269	.268	.267	.266	.265	.264	.263	.262	.261	.260	.259	.258
27CC	.271	.270	.268	.267	.266	.264	.263	.262	.261	.260	.259	.258	.257	.256	.255	.254
28CC	.266	.264	.263	.262	.261	.260	.259	.258	.257	.256	.255	.254	.253	.252	.251	.250
29CC	.262	.260	.258	.257	.256	.255	.254	.253	.252	.251	.250	.249	.248	.247	.246	.245
30CC	.257	.255	.254	.253	.252	.251	.250	.249	.248	.247	.246	.245	.244	.243	.242	.241
31CC	.253	.251	.250	.249	.248	.247	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237
32CC	.249	.247	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233
33CC	.245	.243	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229
34CC	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227	.226
35CC	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224	.223	.222
36CC	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218
37CC	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214
38CC	.225	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210
39CC	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206
40CC	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202
41CC	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198
42CC	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194
43CC	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190
44CC	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186
45CC	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182
46CC	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178
47CC	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174
48CC	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
49CC	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166
50CC	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162
51CC	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158
52CC	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154
53CC	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150
54CC	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146
55CC	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142
56CC	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138
57CC	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134
58CC	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130
59CC	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126
60CC	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122
61CC	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118
62CC	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114
63CC	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110
64CC	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106
65CC	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102
66CC	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098
67CC	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094
68CC	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090
69CC	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086
70CC	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082
71CC	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078
72CC	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074
73CC	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070
74CC	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066
75CC	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062
76CC	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058
77CC	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054
78CC	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050
79CC	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046
80CC	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042
81CC	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038
82CC	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034
83CC	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030
84CC	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028	.027	.026
85CC	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028	.027	.026	.025	.024	.023	.022
86CC	.033	.032	.031	.030	.029	.028	.027	.026	.025	.024	.023	.022	.021	.020	.019	.018
87CC	.029	.028	.027	.026	.025	.024	.023	.022	.021	.020	.019	.018	.017	.016	.015	.014
88CC	.025	.024	.023	.022	.021	.020	.019	.018	.017	.016	.015	.014	.013	.012	.011	.010
89CC	.021	.020	.019	.018	.017	.016	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006
90CC	.017	.016	.015	.014	.01											

DELTA=16C.C DEGREES		DELTA= 1C.C DEGREES														
*RP	1CC	2CC	3CC	4CC	5CC	6CC	7CC	8CC	9CC	10CC	11CC	12CC	13CC	14CC	15CC	1600
1CC	.443															
2CC	.428	.420														
3CC	.416	.405	.403													
4CC	.405	.395	.392	.388												
5CC	.395	.385	.384	.380	.376											
6CC	.386	.376	.376	.372	.368	.365										
7CC	.378	.372	.369	.365	.361	.358	.355									
8CC	.370	.365	.361	.356	.354	.351	.348	.346								
9CC	.362	.356	.354	.351	.348	.345	.342	.340	.337							
10CC	.355	.351	.348	.345	.342	.339	.336	.334	.332	.329						
11CC	.348	.345	.341	.338	.336	.333	.331	.328	.326	.324	.322					
12CC	.342	.339	.335	.333	.330	.327	.325	.323	.321	.319	.317	.315				
13CC	.336	.333	.330	.327	.324	.322	.320	.318	.316	.314	.312	.310	.309			
14CC	.330	.327	.324	.322	.319	.317	.315	.313	.311	.309	.307	.306	.304	.302		
15CC	.324	.321	.319	.316	.314	.312	.310	.308	.306	.304	.303	.301	.300	.298	.297	
16CC	.319	.316	.314	.311	.309	.307	.305	.303	.301	.300	.298	.297	.295	.294	.292	.291
17CC	.314	.311	.309	.306	.304	.302	.300	.299	.297	.295	.294	.292	.291	.289	.288	.287
18CC	.309	.306	.304	.302	.300	.298	.296	.294	.293	.291	.290	.288	.287	.286	.284	.283
19CC	.304	.301	.299	.297	.295	.293	.292	.290	.288	.287	.286	.284	.283	.282	.280	.279
20CC	.299	.297	.295	.293	.291	.289	.287	.286	.284	.283	.282	.280	.279	.278	.276	.275
21CC	.294	.292	.290	.288	.287	.285	.283	.282	.280	.279	.278	.276	.275	.274	.273	.272
22CC	.290	.288	.286	.284	.282	.281	.279	.278	.276	.275	.274	.273	.271	.270	.269	.268
23CC	.286	.284	.282	.280	.278	.277	.275	.274	.273	.271	.270	.269	.267	.266	.265	.264
24CC	.282	.280	.278	.276	.275	.273	.272	.270	.269	.268	.267	.265	.264	.263	.262	.261
25CC	.278	.276	.274	.272	.271	.269	.268	.267	.265	.264	.263	.262	.261	.260	.259	.258
26CC	.274	.272	.270	.269	.267	.266	.264	.263	.262	.261	.260	.259	.257	.256	.255	.254
27CC	.270	.268	.266	.265	.264	.262	.261	.260	.259	.257	.256	.255	.254	.253	.252	.251
28CC	.266	.264	.263	.261	.260	.259	.258	.256	.255	.254	.253	.252	.251	.250	.249	.248
29CC	.262	.261	.259	.258	.257	.255	.254	.253	.252	.251	.250	.249	.248	.247	.246	.245
30CC	.259	.257	.256	.255	.253	.252	.251	.250	.249	.248	.247	.246	.245	.244	.243	.242
31CC	.255	.254	.253	.251	.250	.249	.248	.247	.246	.245	.244	.243	.242	.241	.240	.240
32CC	.252	.251	.249	.248	.247	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237	.236
34CC	.246	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230
36CC	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224
38CC	.234	.232	.231	.230	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218
40CC	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.213
42CC	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208
44CC	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203
46CC	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198
48CC	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193
50CC	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188
52CC	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184
54CC	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180
56CC	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176
58CC	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172
60CC	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168
62CC	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164
64CC	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161
66CC	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157
68CC	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154
70CC	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151
72CC	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147
74CC	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145
76CC	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142
78CC	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139
80CC	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137
85CC	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130
90CC	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124
95CC	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119
100CC	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114
105CC	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109
110CC	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104
115CC	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100
120CC	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096
125CC	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092
130CC	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089
135CC	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085
140CC	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082
145CC	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079
150CC	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076
155CC	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073
160CC	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071
170CC	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066
180CC	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062
190CC	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058
200CC	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054
210CC	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051
220CC	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048
230CC	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045
240CC	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042
250CC	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040
260CC	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038
270CC	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035
280CC	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033
290CC	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032
300CC	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030
310CC	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028
320CC	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028	.027
330CC	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028	.027	.026	.02	

ETA=100.0 DEGREES DELTA= 30.0 DEGREES

*HP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
100	.435															
200	.420	.405														
300	.406	.397	.385													
400	.395	.386	.375	.372												
500	.384	.377	.370	.363	.358											
600	.375	.368	.361	.355	.350	.345										
700	.366	.359	.353	.348	.343	.338	.333									
800	.358	.352	.346	.341	.336	.331	.326	.322								
900	.350	.344	.339	.334	.329	.325	.320	.316	.312							
1000	.343	.337	.332	.327	.323	.319	.314	.310	.307	.303						
1100	.336	.331	.326	.321	.317	.313	.309	.305	.301	.297	.294					
1200	.329	.324	.320	.315	.311	.307	.303	.300	.296	.292	.289	.286				
1300	.323	.318	.314	.310	.306	.302	.298	.294	.291	.288	.284	.281	.278			
1400	.317	.312	.308	.304	.300	.297	.293	.290	.286	.283	.280	.276	.273	.270		
1500	.311	.307	.303	.299	.295	.292	.288	.285	.281	.278	.275	.272	.269	.266	.263	
1600	.306	.302	.298	.294	.290	.287	.283	.280	.277	.274	.271	.268	.265	.262	.259	.256
1700	.300	.296	.292	.288	.284	.281	.277	.274	.271	.268	.265	.262	.259	.256	.253	.250
1800	.295	.291	.287	.283	.280	.276	.273	.270	.267	.264	.261	.259	.256	.253	.250	.247
1900	.289	.285	.281	.277	.274	.271	.268	.265	.262	.259	.256	.254	.251	.248	.245	.242
2000	.284	.280	.276	.272	.269	.266	.263	.260	.257	.254	.252	.249	.246	.244	.241	.238
2100	.279	.275	.271	.267	.264	.261	.258	.255	.253	.250	.247	.244	.242	.239	.236	.233
2200	.274	.270	.266	.262	.259	.256	.253	.250	.247	.244	.242	.239	.236	.233	.230	.227
2300	.269	.265	.261	.257	.254	.251	.248	.245	.242	.240	.237	.234	.231	.228	.225	.222
2400	.264	.260	.256	.252	.249	.246	.243	.240	.237	.234	.231	.228	.225	.222	.219	.216
2500	.259	.255	.251	.247	.244	.241	.238	.235	.232	.229	.227	.224	.221	.218	.215	.212
2600	.254	.250	.246	.242	.239	.236	.233	.230	.227	.224	.221	.218	.215	.212	.209	.206
2700	.249	.245	.241	.237	.234	.231	.228	.225	.222	.219	.217	.214	.211	.208	.205	.202
2800	.244	.240	.236	.232	.229	.226	.223	.220	.217	.214	.211	.208	.205	.202	.199	.196
2900	.239	.235	.231	.227	.224	.221	.218	.215	.212	.209	.206	.203	.201	.198	.195	.192
3000	.234	.230	.226	.222	.219	.216	.213	.210	.207	.204	.201	.198	.195	.192	.189	.186
3100	.229	.225	.221	.217	.214	.211	.208	.205	.202	.199	.196	.193	.190	.187	.184	.181
3200	.224	.220	.216	.212	.209	.206	.203	.200	.197	.194	.191	.188	.185	.182	.179	.176
3300	.219	.215	.211	.207	.204	.201	.198	.195	.192	.189	.186	.183	.180	.177	.174	.171
3400	.214	.210	.206	.202	.199	.196	.193	.190	.187	.184	.181	.178	.175	.172	.169	.166
3500	.209	.205	.201	.197	.194	.191	.188	.185	.182	.179	.176	.173	.170	.167	.164	.161
3600	.204	.200	.196	.192	.189	.186	.183	.180	.177	.174	.171	.168	.165	.162	.159	.156
3700	.199	.195	.191	.187	.184	.181	.178	.175	.172	.169	.166	.163	.160	.157	.154	.151
3800	.194	.190	.186	.182	.179	.176	.173	.170	.167	.164	.161	.158	.155	.152	.149	.146
3900	.189	.185	.181	.177	.174	.171	.168	.165	.162	.159	.156	.153	.150	.147	.144	.141
4000	.184	.180	.176	.172	.169	.166	.163	.160	.157	.154	.151	.148	.145	.142	.139	.136
4100	.179	.175	.171	.167	.164	.161	.158	.155	.152	.149	.146	.143	.140	.137	.134	.131
4200	.174	.170	.166	.162	.159	.156	.153	.150	.147	.144	.141	.138	.135	.132	.129	.126
4300	.169	.165	.161	.157	.154	.151	.148	.145	.142	.139	.136	.133	.130	.127	.124	.121
4400	.164	.160	.156	.152	.149	.146	.143	.140	.137	.134	.131	.128	.125	.122	.119	.116
4500	.159	.155	.151	.147	.144	.141	.138	.135	.132	.129	.126	.123	.120	.117	.114	.111
4600	.154	.150	.146	.142	.139	.136	.133	.130	.127	.124	.121	.118	.115	.112	.109	.106
4700	.149	.145	.141	.137	.134	.131	.128	.125	.122	.119	.116	.113	.110	.107	.104	.101
4800	.144	.140	.136	.132	.129	.126	.123	.120	.117	.114	.111	.108	.105	.102	.099	.096
4900	.139	.135	.131	.127	.124	.121	.118	.115	.112	.109	.106	.103	.100	.097	.094	.091
5000	.134	.130	.126	.122	.119	.116	.113	.110	.107	.104	.101	.098	.095	.092	.089	.086
5100	.129	.125	.121	.117	.114	.111	.108	.105	.102	.099	.096	.093	.090	.087	.084	.081
5200	.124	.120	.116	.112	.109	.106	.103	.100	.097	.094	.091	.088	.085	.082	.079	.076
5300	.119	.115	.111	.107	.104	.101	.098	.095	.092	.089	.086	.083	.080	.077	.074	.071
5400	.114	.110	.106	.102	.099	.096	.093	.090	.087	.084	.081	.078	.075	.072	.069	.066
5500	.109	.105	.101	.097	.094	.091	.088	.085	.082	.079	.076	.073	.070	.067	.064	.061
5600	.104	.100	.096	.092	.089	.086	.083	.080	.077	.074	.071	.068	.065	.062	.059	.056
5700	.099	.095	.091	.087	.084	.081	.078	.075	.072	.069	.066	.063	.060	.057	.054	.051
5800	.094	.090	.086	.082	.079	.076	.073	.070	.067	.064	.061	.058	.055	.052	.049	.046
5900	.089	.085	.081	.077	.074	.071	.068	.065	.062	.059	.056	.053	.050	.047	.044	.041
6000	.084	.080	.076	.072	.069	.066	.063	.060	.057	.054	.051	.048	.045	.042	.039	.036
6100	.079	.075	.071	.067	.064	.061	.058	.055	.052	.049	.046	.043	.040	.037	.034	.031
6200	.074	.070	.066	.062	.059	.056	.053	.050	.047	.044	.041	.038	.035	.032	.029	.026
6300	.069	.065	.061	.057	.054	.051	.048	.045	.042	.039	.036	.033	.030	.027	.024	.021
6400	.064	.060	.056	.052	.049	.046	.043	.040	.037	.034	.031	.028	.025	.022	.019	.016
6500	.059	.055	.051	.047	.044	.041	.038	.035	.032	.029	.026	.023	.020	.017	.014	.011
6600	.054	.050	.046	.042	.039	.036	.033	.030	.027	.024	.021	.018	.015	.012	.009	.006
6700	.049	.045	.041	.037	.034	.031	.028	.025	.022	.019	.016	.013	.010	.007	.004	.001
6800	.044	.040	.036	.032	.029	.026	.023	.020	.017	.014	.011	.008	.005	.002	.000	.000
6900	.039	.035	.031	.027	.024	.021	.018	.015	.012	.009	.006	.003	.000	.000	.000	.000
7000	.034	.030	.026	.022	.019	.016	.013	.010	.007	.004	.001	.000	.000	.000	.000	.000
7100	.029	.025	.021	.017	.014	.011	.008	.005	.002	.000	.000	.000	.000	.000	.000	.000
7200	.024	.020	.016	.012	.009	.006	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000
7300	.019	.015	.011	.007	.004	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7400	.014	.010	.006	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7500	.009	.005	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7600	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7700	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7900	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
8000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

ETA=16C.C DEGREES DELTA= 4C.C DEGREES

*RP	1CC	2CC	3CC	4CC	5CC	6CC	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
1CC	.427															
2CC	.410	.356														
3CC	.356	.384	.372													
4CC	.384	.373	.363	.354												
5CC	.373	.363	.354	.345	.337											
6CC	.363	.354	.345	.337	.330	.322										
7CC	.354	.345	.337	.329	.322	.315	.308									
8CC	.345	.337	.329	.322	.315	.308	.302	.295								
9CC	.337	.329	.322	.315	.309	.302	.296	.290	.283							
10CC	.330	.322	.315	.309	.302	.296	.290	.284	.278	.272						
11CC	.322	.316	.309	.303	.296	.290	.284	.278	.273	.267	.261					
12CC	.316	.309	.303	.297	.291	.285	.279	.273	.268	.262	.256	.251				
13CC	.309	.303	.297	.291	.285	.279	.274	.268	.263	.257	.252	.246	.241			
14CC	.303	.297	.291	.285	.280	.274	.269	.264	.259	.254	.248	.243	.238	.233	.227	
15CC	.297	.292	.286	.280	.275	.269	.264	.259	.254	.248	.243	.238	.233	.228	.222	.213
16CC	.292	.286	.281	.275	.270	.265	.260	.254	.249	.244	.239	.234	.229	.224	.218	.209
17CC	.286	.281	.276	.270	.265	.260	.255	.250	.245	.240	.235	.230	.225	.220	.215	.206
18CC	.281	.276	.271	.266	.261	.256	.251	.246	.241	.236	.231	.226	.221	.216	.211	.202
19CC	.276	.271	.266	.261	.256	.252	.247	.242	.237	.232	.227	.222	.217	.212	.207	.198
20CC	.271	.267	.262	.257	.252	.247	.243	.238	.233	.229	.224	.219	.215	.210	.205	.196
21CC	.267	.262	.257	.253	.248	.244	.239	.234	.230	.225	.221	.216	.211	.206	.202	.193
22CC	.262	.258	.253	.249	.244	.240	.235	.231	.226	.222	.217	.213	.208	.203	.199	.189
23CC	.258	.254	.249	.245	.240	.236	.232	.227	.223	.218	.214	.210	.205	.200	.196	.187
24CC	.254	.250	.245	.241	.237	.232	.228	.224	.220	.215	.211	.206	.202	.197	.193	.184
25CC	.250	.246	.242	.237	.233	.229	.225	.220	.216	.212	.208	.203	.199	.195	.191	.182
26CC	.246	.242	.238	.234	.230	.225	.221	.217	.213	.209	.205	.200	.196	.192	.188	.179
27CC	.242	.238	.234	.230	.226	.222	.218	.214	.210	.206	.202	.198	.194	.190	.186	.177
28CC	.238	.235	.231	.227	.223	.219	.215	.211	.207	.203	.199	.195	.191	.187	.183	.174
29CC	.235	.231	.227	.224	.220	.216	.212	.208	.204	.200	.196	.192	.188	.184	.180	.171
30CC	.231	.228	.224	.220	.217	.213	.209	.205	.201	.197	.194	.190	.185	.181	.177	.168
31CC	.228	.225	.221	.217	.214	.210	.206	.202	.199	.195	.191	.187	.183	.179	.175	.166
32CC	.225	.222	.218	.214	.211	.207	.203	.200	.196	.192	.188	.184	.181	.177	.172	.163
33CC	.221	.218	.214	.210	.206	.202	.198	.194	.191	.187	.183	.179	.175	.171	.167	.158
34CC	.218	.215	.212	.208	.205	.201	.198	.194	.191	.187	.183	.179	.175	.171	.167	.158
35CC	.215	.212	.208	.204	.200	.196	.193	.189	.186	.182	.178	.174	.171	.167	.163	.154
36CC	.212	.209	.205	.201	.197	.193	.190	.186	.182	.178	.174	.171	.167	.163	.159	.150
37CC	.209	.206	.202	.198	.194	.190	.186	.182	.178	.174	.170	.166	.162	.158	.154	.145
38CC	.206	.203	.199	.195	.191	.187	.183	.179	.175	.171	.167	.163	.159	.155	.151	.142
39CC	.203	.200	.196	.192	.188	.184	.180	.176	.172	.168	.164	.160	.156	.152	.148	.139
40CC	.200	.196	.192	.188	.184	.180	.176	.172	.168	.164	.160	.156	.152	.148	.144	.135
41CC	.196	.192	.188	.184	.180	.176	.172	.168	.164	.160	.156	.152	.148	.144	.140	.131
42CC	.192	.188	.184	.180	.176	.172	.168	.164	.160	.156	.152	.148	.144	.140	.136	.127
43CC	.188	.184	.180	.176	.172	.168	.164	.160	.156	.152	.148	.144	.140	.136	.132	.123
44CC	.184	.180	.176	.172	.168	.164	.160	.156	.152	.148	.144	.140	.136	.132	.128	.119
45CC	.180	.176	.172	.168	.164	.160	.156	.152	.148	.144	.140	.136	.132	.128	.124	.115
46CC	.176	.172	.168	.164	.160	.156	.152	.148	.144	.140	.136	.132	.128	.124	.120	.111
47CC	.172	.168	.164	.160	.156	.152	.148	.144	.140	.136	.132	.128	.124	.120	.116	.107
48CC	.168	.164	.160	.156	.152	.148	.144	.140	.136	.132	.128	.124	.120	.116	.112	.103
49CC	.164	.160	.156	.152	.148	.144	.140	.136	.132	.128	.124	.120	.116	.112	.108	.99
50CC	.160	.156	.152	.148	.144	.140	.136	.132	.128	.124	.120	.116	.112	.108	.104	.95
51CC	.156	.152	.148	.144	.140	.136	.132	.128	.124	.120	.116	.112	.108	.104	.100	.91
52CC	.152	.148	.144	.140	.136	.132	.128	.124	.120	.116	.112	.108	.104	.100	.96	.87
53CC	.148	.144	.140	.136	.132	.128	.124	.120	.116	.112	.108	.104	.100	.96	.92	.83
54CC	.144	.140	.136	.132	.128	.124	.120	.116	.112	.108	.104	.100	.96	.92	.88	.79
55CC	.140	.136	.132	.128	.124	.120	.116	.112	.108	.104	.100	.96	.92	.88	.84	.75
56CC	.136	.132	.128	.124	.120	.116	.112	.108	.104	.100	.96	.92	.88	.84	.80	.71
57CC	.132	.128	.124	.120	.116	.112	.108	.104	.100	.96	.92	.88	.84	.80	.76	.67
58CC	.128	.124	.120	.116	.112	.108	.104	.100	.96	.92	.88	.84	.80	.76	.72	.63
59CC	.124	.120	.116	.112	.108	.104	.100	.96	.92	.88	.84	.80	.76	.72	.68	.59
60CC	.120	.116	.112	.108	.104	.100	.96	.92	.88	.84	.80	.76	.72	.68	.64	.55
61CC	.116	.112	.108	.104	.100	.96	.92	.88	.84	.80	.76	.72	.68	.64	.60	.51
62CC	.112	.108	.104	.100	.96	.92	.88	.84	.80	.76	.72	.68	.64	.60	.56	.47
63CC	.108	.104	.100	.96	.92	.88	.84	.80	.76	.72	.68	.64	.60	.56	.52	.43
64CC	.104	.100	.96	.92	.88	.84	.80	.76	.72	.68	.64	.60	.56	.52	.48	.39
65CC	.100	.96	.92	.88	.84	.80	.76	.72	.68	.64	.60	.56	.52	.48	.44	.35
66CC	.96	.92	.88	.84	.80	.76	.72	.68	.64	.60	.56	.52	.48	.44	.40	.31
67CC	.92	.88	.84	.80	.76	.72	.68	.64	.60	.56	.52	.48	.44	.40	.36	.27
68CC	.88	.84	.80	.76	.72	.68	.64	.60	.56	.52	.48	.44	.40	.36	.32	.23
69CC	.84	.80	.76	.72	.68	.64	.60	.56	.52	.48	.44	.40	.36	.32	.28	.19
70CC	.80	.76	.72	.68	.64	.60	.56	.52	.48	.44	.40	.36	.32	.28	.24	.15
71CC	.76	.72	.68	.64	.60	.56	.52	.48	.44	.40	.36	.32	.28	.24	.20	.11
72CC	.72	.68	.64	.60	.56	.52	.48	.44	.40	.36	.32	.28	.24	.20	.16	.07
73CC	.68	.64	.60	.56	.52	.48	.44	.40	.36	.32	.28	.24	.20	.16	.12	.03
74CC	.64	.60	.56	.52	.48	.44	.40	.36	.32	.28	.24	.20	.16	.12	.08	.00
75CC	.60	.56	.52	.48	.44	.40	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00
76CC	.56	.52	.48	.44	.40	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00
77CC	.52	.48	.44	.40	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00
78CC	.48	.44	.40	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00
79CC	.44	.40	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00
80CC	.40	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00
81CC	.36	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00
82CC	.32	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00
83CC	.28	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
84CC	.24	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
85CC	.20	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
86CC	.16	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
87CC	.12	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
88CC	.08	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
89CC	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
90CC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

G-247

BETA=16C.C DEGREES DELTA= 6C.C DEGREES

*RP	1CC	2CC	3CC	4CC	5CC	6CC	700	800	900	1000	1100	1200	1300	1400	1500	1600
RA*																
1CC	.366															
200	.365	.237														
300	.348	.323	.298													
400	.334	.310	.287	.263												
500	.321	.299	.277	.254	.231											
600	.310	.289	.268	.246	.223	.198										
700	.300	.280	.260	.239	.216	.192	.166									
800	.291	.272	.252	.232	.210	.187	.161	.130								
900	.282	.264	.245	.225	.204	.181	.156	.126	.086							
1000	.274	.256	.238	.219	.199	.176	.151	.122	.082	.000						
1100	.267	.250	.232	.213	.194	.172	.147	.118	.079	.000	.000					
1200	.260	.243	.226	.208	.189	.167	.143	.115	.076	.000	.000	.000				
1300	.253	.237	.221	.203	.184	.163	.140	.111	.073	.000	.000	.000	.000			
1400	.247	.231	.215	.198	.180	.159	.136	.108	.071	.000	.000	.000	.000	.000		
1500	.241	.226	.210	.194	.177	.156	.133	.106	.068	.000	.000	.000	.000	.000	.000	
1600	.236	.221	.206	.189	.172	.152	.130	.103	.066	.000	.000	.000	.000	.000	.000	.000
1700	.230	.216	.201	.185	.168	.149	.127	.100	.064	.000	.000	.000	.000	.000	.000	.000
1800	.225	.211	.197	.181	.164	.145	.124	.098	.062	.000	.000	.000	.000	.000	.000	.000
1900	.220	.207	.193	.177	.161	.142	.121	.095	.060	.000	.000	.000	.000	.000	.000	.000
2000	.216	.203	.189	.174	.157	.139	.118	.093	.058	.000	.000	.000	.000	.000	.000	.000
2100	.212	.199	.185	.170	.154	.136	.116	.091	.056	.000	.000	.000	.000	.000	.000	.000
2200	.207	.195	.181	.167	.151	.134	.114	.089	.054	.000	.000	.000	.000	.000	.000	.000
2300	.203	.191	.178	.164	.148	.131	.111	.087	.053	.000	.000	.000	.000	.000	.000	.000
2400	.199	.187	.174	.161	.145	.129	.109	.085	.051	.000	.000	.000	.000	.000	.000	.000
2500	.196	.184	.171	.158	.143	.126	.107	.083	.050	.000	.000	.000	.000	.000	.000	.000
2600	.192	.180	.168	.155	.140	.124	.105	.082	.048	.000	.000	.000	.000	.000	.000	.000
2700	.189	.177	.165	.152	.138	.122	.103	.080	.047	.000	.000	.000	.000	.000	.000	.000
2800	.185	.174	.162	.149	.135	.119	.101	.078	.046	.000	.000	.000	.000	.000	.000	.000
2900	.182	.171	.159	.147	.133	.117	.099	.077	.044	.000	.000	.000	.000	.000	.000	.000
3000	.179	.168	.157	.144	.131	.115	.097	.075	.043	.000	.000	.000	.000	.000	.000	.000
3100	.176	.165	.154	.142	.128	.113	.096	.074	.042	.000	.000	.000	.000	.000	.000	.000
3200	.173	.162	.152	.139	.126	.111	.094	.073	.041	.000	.000	.000	.000	.000	.000	.000
3300	.169	.159	.149	.135	.122	.108	.091	.070	.039	.000	.000	.000	.000	.000	.000	.000
3400	.166	.157	.147	.133	.120	.106	.089	.068	.037	.000	.000	.000	.000	.000	.000	.000
3500	.162	.153	.143	.131	.118	.104	.088	.068	.036	.000	.000	.000	.000	.000	.000	.000
3600	.159	.149	.139	.127	.115	.101	.085	.065	.035	.000	.000	.000	.000	.000	.000	.000
3700	.157	.148	.138	.123	.111	.098	.083	.063	.034	.000	.000	.000	.000	.000	.000	.000
3800	.154	.145	.135	.120	.108	.095	.080	.060	.033	.000	.000	.000	.000	.000	.000	.000
3900	.151	.142	.132	.116	.105	.093	.078	.059	.031	.000	.000	.000	.000	.000	.000	.000
4000	.148	.139	.129	.113	.102	.090	.076	.058	.030	.000	.000	.000	.000	.000	.000	.000
4100	.145	.136	.126	.110	.099	.088	.074	.056	.028	.000	.000	.000	.000	.000	.000	.000
4200	.142	.133	.123	.107	.096	.085	.072	.054	.027	.000	.000	.000	.000	.000	.000	.000
4300	.139	.130	.120	.104	.093	.082	.070	.052	.026	.000	.000	.000	.000	.000	.000	.000
4400	.136	.127	.117	.101	.090	.079	.067	.049	.025	.000	.000	.000	.000	.000	.000	.000
4500	.133	.124	.114	.098	.087	.076	.064	.046	.024	.000	.000	.000	.000	.000	.000	.000
4600	.130	.121	.111	.095	.084	.073	.061	.043	.023	.000	.000	.000	.000	.000	.000	.000
4700	.127	.118	.108	.092	.081	.070	.058	.040	.022	.000	.000	.000	.000	.000	.000	.000
4800	.124	.115	.105	.089	.078	.067	.055	.037	.021	.000	.000	.000	.000	.000	.000	.000
4900	.121	.112	.102	.086	.075	.064	.052	.034	.020	.000	.000	.000	.000	.000	.000	.000
5000	.118	.109	.099	.083	.072	.061	.049	.031	.019	.000	.000	.000	.000	.000	.000	.000
5100	.115	.106	.096	.080	.069	.058	.046	.028	.018	.000	.000	.000	.000	.000	.000	.000
5200	.112	.103	.093	.077	.066	.055	.043	.025	.017	.000	.000	.000	.000	.000	.000	.000
5300	.109	.100	.090	.074	.063	.052	.040	.022	.016	.000	.000	.000	.000	.000	.000	.000
5400	.106	.097	.087	.071	.060	.049	.037	.019	.015	.000	.000	.000	.000	.000	.000	.000
5500	.103	.094	.084	.068	.057	.046	.034	.016	.014	.000	.000	.000	.000	.000	.000	.000
5600	.100	.091	.081	.065	.054	.043	.031	.013	.013	.000	.000	.000	.000	.000	.000	.000
5700	.097	.088	.078	.062	.051	.040	.028	.010	.010	.000	.000	.000	.000	.000	.000	.000
5800	.094	.085	.075	.059	.048	.037	.025	.007	.007	.000	.000	.000	.000	.000	.000	.000
5900	.091	.082	.072	.056	.045	.034	.022	.004	.004	.000	.000	.000	.000	.000	.000	.000
6000	.088	.079	.069	.053	.042	.031	.019	.001	.001	.000	.000	.000	.000	.000	.000	.000
6100	.085	.076	.066	.050	.039	.028	.016	.000	.000	.000	.000	.000	.000	.000	.000	.000
6200	.082	.073	.063	.047	.036	.025	.013	.000	.000	.000	.000	.000	.000	.000	.000	.000
6300	.079	.070	.060	.044	.033	.022	.010	.000	.000	.000	.000	.000	.000	.000	.000	.000
6400	.076	.067	.057	.041	.030	.019	.007	.000	.000	.000	.000	.000	.000	.000	.000	.000
6500	.073	.064	.054	.038	.027	.016	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000
6600	.070	.061	.051	.035	.024	.013	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000
6700	.067	.058	.048	.032	.021	.010	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6800	.064	.055	.045	.029	.018	.007	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6900	.061	.052	.042	.026	.015	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7000	.058	.049	.039	.023	.012	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7100	.055	.046	.036	.020	.009	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7200	.052	.043	.033	.017	.006	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7300	.049	.040	.030	.014	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7400	.046	.037	.027	.011	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7500	.043	.034	.024	.008	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7600	.040	.031	.021	.005	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7700	.037	.028	.018	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7800	.034	.025	.015	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7900	.031	.022	.012	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
8000	.028	.019	.009	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

ETA=18C.C DEGREES DELTA= C.C DEGREES

RA#	1CC	2CC	3CC	4CC	5CC	6CC	7CC	8CC	9CC	10CC	11CC	12CC	13CC	14CC	15CC	1600
1CC	.444															
2CC	.425	.421														
3CC	.417	.410	.404													
4CC	.406	.400	.395	.390												
5CC	.396	.390	.386	.382	.378											
6CC	.386	.382	.377	.374	.370	.367										
7CC	.376	.372	.370	.366	.363	.360	.357									
8CC	.370	.366	.362	.359	.356	.353	.351	.348								
9CC	.362	.358	.355	.352	.349	.347	.344	.342	.340							
10CC	.355	.351	.348	.346	.343	.341	.338	.336	.334	.332						
11CC	.348	.345	.342	.339	.337	.335	.332	.330	.329	.327	.325					
12CC	.341	.338	.336	.333	.331	.329	.327	.325	.323	.321	.320	.318				
13CC	.335	.332	.330	.328	.325	.323	.321	.320	.318	.316	.315	.313	.311	.310	.305	.312
14CC	.329	.327	.324	.322	.320	.318	.316	.315	.313	.311	.310	.308	.307	.305	.304	.306
15CC	.323	.321	.319	.317	.315	.313	.311	.310	.308	.307	.305	.304	.303	.302	.301	.300
1600	.316	.316	.314	.312	.310	.308	.306	.305	.303	.302	.301	.299	.298	.297	.296	.295
1700	.310	.310	.308	.307	.305	.303	.302	.300	.299	.297	.296	.295	.294	.293	.292	.291
1800	.304	.305	.304	.302	.300	.299	.297	.296	.294	.293	.292	.291	.290	.289	.288	.287
1900	.303	.301	.299	.297	.296	.294	.293	.291	.290	.289	.288	.287	.286	.285	.284	.283
2000	.298	.296	.294	.293	.291	.290	.288	.287	.286	.285	.284	.283	.282	.281	.280	.279
2100	.293	.291	.290	.288	.287	.285	.284	.283	.282	.281	.280	.279	.278	.277	.276	.275
2200	.289	.287	.285	.284	.283	.281	.280	.279	.278	.277	.276	.275	.274	.273	.272	.271
2300	.284	.282	.281	.280	.278	.277	.276	.275	.274	.273	.272	.271	.270	.269	.268	.267
2400	.280	.279	.277	.276	.275	.273	.272	.271	.270	.269	.268	.267	.266	.265	.264	.263
2500	.276	.275	.273	.272	.271	.270	.269	.268	.267	.266	.265	.264	.263	.262	.261	.260
2600	.272	.271	.269	.268	.267	.266	.265	.264	.263	.262	.261	.260	.259	.258	.257	.256
2700	.268	.267	.266	.265	.263	.262	.261	.260	.259	.258	.257	.256	.255	.254	.253	.252
2800	.264	.263	.262	.261	.260	.259	.258	.257	.256	.255	.254	.253	.252	.251	.250	.249
2900	.261	.260	.259	.257	.256	.255	.254	.253	.252	.251	.250	.249	.248	.247	.246	.245
3000	.257	.256	.255	.254	.253	.252	.251	.250	.249	.248	.247	.246	.245	.244	.243	.242
3100	.254	.253	.252	.251	.250	.249	.248	.247	.246	.245	.244	.243	.242	.241	.240	.239
3200	.250	.249	.248	.247	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235
3300	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229
3400	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224	.223
3500	.232	.231	.230	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218	.217
3600	.226	.225	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211
3700	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206
3800	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201
3900	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196
4000	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191
4100	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187
4200	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182
4300	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177
4400	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173
4500	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
4600	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166
4700	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162
4800	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159
4900	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156
5000	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152
5100	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149
5200	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146
5300	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142
5400	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137
5500	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133
5600	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130
5700	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126
5800	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123
5900	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120
6000	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117
6100	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114
6200	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111
6300	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108
6400	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105
6500	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102
6600	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099
6700	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096
6800	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093
6900	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090
7000	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087
7100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084
7200	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081
7300	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078
7400	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075
7500	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072
7600	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069
7700	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066
7800	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063
7900	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060
8000	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057
8100	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054
8200	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051
8300	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048
8400	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045
8500	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042
8600	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039
8700	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036
8800	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033
8900	.045	.044	.043	.042	.041	.040	.039	.038	.037							

ETA=18C.C DEGREES DELTA= 4C.C DEGREES

*RP	1CC	2CC	3CC	4CC	5CC	6CC	700	8CC	900	10CC	11CC	12CC	13CC	14CC	15CC	1600
1CC	.427															
2CC	.410	.356														
3CC	.355	.314	.373													
4CC	.313	.273	.313	.354												
5CC	.272	.232	.254	.245	.337											
6CC	.232	.233	.245	.237	.330	.322										
7CC	.233	.244	.237	.229	.322	.315	.308									
8CC	.244	.226	.229	.222	.315	.308	.302	.295								
9CC	.232	.225	.222	.215	.308	.302	.296	.290	.283							
10CC	.228	.221	.215	.206	.302	.296	.290	.284	.276	.272						
11CC	.221	.215	.208	.202	.296	.290	.284	.278	.273	.267	.261					
12CC	.214	.208	.202	.196	.290	.285	.279	.273	.268	.262	.256	.251				
13CC	.208	.202	.196	.190	.285	.280	.274	.268	.263	.257	.252	.246	.241			
14CC	.202	.196	.190	.185	.280	.275	.270	.264	.259	.254	.248	.243	.237	.231		
15CC	.196	.190	.185	.180	.275	.270	.264	.259	.254	.249	.243	.238	.233	.227	.222	
16CC	.190	.185	.180	.175	.270	.265	.260	.255	.250	.245	.240	.235	.230	.225	.220	.215
17CC	.185	.180	.175	.170	.265	.260	.255	.250	.245	.240	.235	.230	.225	.220	.215	.210
18CC	.180	.175	.170	.165	.260	.255	.250	.245	.240	.235	.230	.225	.220	.215	.210	.205
19CC	.175	.170	.165	.160	.255	.250	.245	.240	.235	.230	.225	.220	.215	.210	.205	.200
20CC	.170	.165	.160	.155	.250	.245	.240	.235	.230	.225	.220	.215	.210	.205	.200	.195
21CC	.165	.160	.155	.150	.245	.240	.235	.230	.225	.220	.215	.210	.205	.200	.195	.190
22CC	.160	.155	.150	.145	.240	.235	.230	.225	.220	.215	.210	.205	.200	.195	.190	.185
23CC	.155	.150	.145	.140	.235	.230	.225	.220	.215	.210	.205	.200	.195	.190	.185	.180
24CC	.150	.145	.140	.135	.230	.225	.220	.215	.210	.205	.200	.195	.190	.185	.180	.175
25CC	.145	.140	.135	.130	.225	.220	.215	.210	.205	.200	.195	.190	.185	.180	.175	.170
26CC	.140	.135	.130	.125	.220	.215	.210	.205	.200	.195	.190	.185	.180	.175	.170	.165
27CC	.135	.130	.125	.120	.215	.210	.205	.200	.195	.190	.185	.180	.175	.170	.165	.160
28CC	.130	.125	.120	.115	.210	.205	.200	.195	.190	.185	.180	.175	.170	.165	.160	.155
29CC	.125	.120	.115	.110	.205	.200	.195	.190	.185	.180	.175	.170	.165	.160	.155	.150
30CC	.120	.115	.110	.105	.200	.195	.190	.185	.180	.175	.170	.165	.160	.155	.150	.145
31CC	.115	.110	.105	.100	.195	.190	.185	.180	.175	.170	.165	.160	.155	.150	.145	.140
32CC	.110	.105	.100	.095	.190	.185	.180	.175	.170	.165	.160	.155	.150	.145	.140	.135
33CC	.105	.100	.095	.090	.185	.180	.175	.170	.165	.160	.155	.150	.145	.140	.135	.130
34CC	.100	.095	.090	.085	.180	.175	.170	.165	.160	.155	.150	.145	.140	.135	.130	.125
35CC	.095	.090	.085	.080	.175	.170	.165	.160	.155	.150	.145	.140	.135	.130	.125	.120
36CC	.090	.085	.080	.075	.170	.165	.160	.155	.150	.145	.140	.135	.130	.125	.120	.115
37CC	.085	.080	.075	.070	.165	.160	.155	.150	.145	.140	.135	.130	.125	.120	.115	.110
38CC	.080	.075	.070	.065	.160	.155	.150	.145	.140	.135	.130	.125	.120	.115	.110	.105
39CC	.075	.070	.065	.060	.155	.150	.145	.140	.135	.130	.125	.120	.115	.110	.105	.100
40CC	.070	.065	.060	.055	.150	.145	.140	.135	.130	.125	.120	.115	.110	.105	.100	.095
41CC	.065	.060	.055	.050	.145	.140	.135	.130	.125	.120	.115	.110	.105	.100	.095	.090
42CC	.060	.055	.050	.045	.140	.135	.130	.125	.120	.115	.110	.105	.100	.095	.090	.085
43CC	.055	.050	.045	.040	.135	.130	.125	.120	.115	.110	.105	.100	.095	.090	.085	.080
44CC	.050	.045	.040	.035	.130	.125	.120	.115	.110	.105	.100	.095	.090	.085	.080	.075
45CC	.045	.040	.035	.030	.125	.120	.115	.110	.105	.100	.095	.090	.085	.080	.075	.070
46CC	.040	.035	.030	.025	.120	.115	.110	.105	.100	.095	.090	.085	.080	.075	.070	.065
47CC	.035	.030	.025	.020	.115	.110	.105	.100	.095	.090	.085	.080	.075	.070	.065	.060
48CC	.030	.025	.020	.015	.110	.105	.100	.095	.090	.085	.080	.075	.070	.065	.060	.055
49CC	.025	.020	.015	.010	.105	.100	.095	.090	.085	.080	.075	.070	.065	.060	.055	.050
50CC	.020	.015	.010	.005	.100	.095	.090	.085	.080	.075	.070	.065	.060	.055	.050	.045
51CC	.015	.010	.005	.000	.095	.090	.085	.080	.075	.070	.065	.060	.055	.050	.045	.040
52CC	.010	.005	.000		.090	.085	.080	.075	.070	.065	.060	.055	.050	.045	.040	.035
53CC	.005	.000			.085	.080	.075	.070	.065	.060	.055	.050	.045	.040	.035	.030
54CC	.000				.080	.075	.070	.065	.060	.055	.050	.045	.040	.035	.030	.025
55CC					.075	.070	.065	.060	.055	.050	.045	.040	.035	.030	.025	.020
56CC					.070	.065	.060	.055	.050	.045	.040	.035	.030	.025	.020	.015
57CC					.065	.060	.055	.050	.045	.040	.035	.030	.025	.020	.015	.010
58CC					.060	.055	.050	.045	.040	.035	.030	.025	.020	.015	.010	.005
59CC					.055	.050	.045	.040	.035	.030	.025	.020	.015	.010	.005	.000
60CC					.050	.045	.040	.035	.030	.025	.020	.015	.010	.005	.000	
61CC					.045	.040	.035	.030	.025	.020	.015	.010	.005	.000		
62CC					.040	.035	.030	.025	.020	.015	.010	.005	.000			
63CC					.035	.030	.025	.020	.015	.010	.005	.000				
64CC					.030	.025	.020	.015	.010	.005	.000					
65CC					.025	.020	.015	.010	.005	.000						
66CC					.020	.015	.010	.005	.000							
67CC					.015	.010	.005	.000								
68CC					.010	.005	.000									
69CC					.005	.000										
70CC					.000											
82CC	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.009	.009	.009	.009	.009	.009

G-247

G-247

	ETA=18C.C DEGREES				DELTA= 5C.C DEGREES											
#RP	1CC	2CC	3CC	4CC	5CC	6CC	700	8CC	900	1000	1100	12CC	13CC	14CC	15CC	16C0
1CC	.412															
2CC	.354															
3CC	.378	.376														
4CC	.365	.362	.347													
5CC	.353	.340	.327	.323												
6CC	.343	.330	.318	.306	.302											
7CC	.333	.321	.310	.298	.287	.282										
8CC	.324	.312	.302	.291	.280	.269	.264									
9CC	.316	.305	.295	.284	.274	.263	.252	.241								
10CC	.308	.298	.288	.278	.268	.257	.247	.236	.225							
11CC	.300	.291	.281	.271	.262	.252	.242	.231	.221	.214						
12CC	.294	.284	.275	.266	.256	.247	.237	.227	.216	.205	.196					
13CC	.287	.278	.269	.260	.251	.242	.232	.222	.212	.201	.190	.182				
14CC	.281	.272	.263	.255	.246	.237	.227	.218	.208	.198	.187	.175	.166			
15CC	.275	.267	.258	.250	.241	.232	.223	.214	.204	.194	.183	.172	.160	.150		.133
16CC	.269	.261	.252	.245	.236	.228	.219	.210	.200	.190	.180	.168	.155	.145	.131	.115
17CC	.264	.256	.248	.240	.232	.223	.215	.206	.197	.187	.177	.165	.152	.142	.129	.113
18CC	.259	.251	.243	.236	.228	.219	.211	.202	.193	.184	.174	.163	.152	.140	.126	.111
19CC	.254	.246	.238	.231	.223	.215	.207	.199	.190	.181	.171	.160	.149	.137	.124	.110
20CC	.249	.242	.235	.227	.219	.212	.204	.195	.187	.177	.168	.158	.147	.135	.122	.108
21CC	.244	.237	.230	.223	.216	.208	.200	.192	.183	.174	.165	.155	.144	.133	.120	.106
22CC	.240	.233	.226	.219	.212	.204	.197	.189	.180	.172	.162	.153	.142	.131	.118	.104
23CC	.236	.229	.222	.215	.208	.201	.193	.186	.177	.169	.160	.150	.140	.129	.117	.103
24CC	.232	.225	.218	.212	.205	.198	.190	.183	.175	.166	.157	.146	.136	.127	.115	.101
25CC	.228	.222	.215	.208	.202	.194	.187	.180	.172	.164	.155	.145	.136	.125	.113	.100
26CC	.224	.218	.211	.205	.198	.191	.184	.177	.169	.161	.152	.143	.133	.123	.111	.098
27CC	.220	.214	.208	.202	.195	.188	.181	.174	.166	.158	.150	.141	.131	.121	.110	.097
28CC	.217	.211	.205	.199	.192	.185	.178	.171	.164	.156	.148	.139	.130	.119	.108	.095
29CC	.213	.208	.202	.195	.189	.183	.176	.169	.162	.154	.146	.137	.128	.118	.106	.094
30CC	.210	.204	.198	.192	.186	.180	.173	.166	.159	.152	.144	.135	.126	.116	.105	.093
31CC	.207	.201	.195	.190	.184	.177	.171	.164	.157	.149	.141	.133	.124	.114	.103	.091
32CC	.204	.198	.192	.187	.181	.175	.168	.162	.155	.147	.139	.131	.122	.113	.102	.090
34CC	.198	.192	.187	.181	.176	.170	.163	.157	.150	.143	.136	.128	.119	.110	.099	.088
36CC	.192	.187	.182	.176	.171	.165	.159	.153	.146	.139	.132	.124	.116	.107	.097	.085
38CC	.187	.182	.177	.171	.166	.160	.155	.149	.142	.136	.128	.121	.113	.104	.094	.083
40CC	.182	.177	.172	.167	.162	.156	.151	.145	.139	.132	.125	.118	.110	.101	.092	.081
42CC	.177	.172	.167	.163	.157	.152	.147	.141	.135	.129	.122	.115	.107	.099	.089	.079
44CC	.172	.168	.163	.158	.153	.148	.143	.137	.132	.125	.119	.112	.104	.096	.087	.077
46CC	.168	.163	.158	.154	.150	.145	.139	.134	.128	.122	.116	.109	.102	.094	.085	.075
48CC	.164	.159	.155	.151	.146	.141	.136	.131	.125	.119	.112	.107	.100	.092	.083	.073
50CC	.160	.156	.151	.147	.142	.138	.133	.128	.122	.117	.111	.104	.097	.090	.081	.072
52CC	.156	.152	.148	.144	.139	.135	.130	.125	.120	.114	.108	.102	.095	.088	.079	.070
54CC	.152	.148	.144	.140	.136	.131	.127	.122	.117	.111	.106	.100	.093	.086	.078	.068
56CC	.148	.145	.141	.137	.133	.129	.124	.119	.114	.108	.103	.097	.091	.084	.076	.066
58CC	.145	.142	.138	.134	.130	.126	.121	.117	.112	.107	.101	.095	.089	.082	.074	.064
60CC	.142	.138	.135	.131	.127	.123	.119	.114	.109	.104	.099	.093	.087	.080	.073	.064
62CC	.138	.135	.132	.128	.124	.120	.116	.112	.107	.102	.097	.091	.085	.078	.071	.063
64CC	.136	.133	.129	.125	.122	.118	.114	.109	.105	.100	.095	.089	.083	.077	.070	.062
66CC	.133	.130	.126	.123	.119	.115	.111	.107	.103	.098	.093	.087	.081	.075	.068	.060
68CC	.130	.127	.124	.120	.117	.113	.109	.105	.101	.096	.091	.085	.079	.074	.067	.059
70CC	.128	.125	.121	.118	.114	.111	.107	.103	.099	.094	.089	.084	.078	.072	.066	.058
72CC	.125	.122	.118	.116	.112	.108	.105	.101	.097	.092	.086	.081	.075	.070	.064	.056
74CC	.123	.120	.117	.113	.110	.106	.103	.099	.095	.090	.084	.079	.073	.067	.061	.053
76CC	.120	.117	.114	.111	.108	.104	.101	.097	.093	.089	.084	.078	.073	.067	.061	.053
78CC	.118	.115	.112	.109	.106	.102	.099	.095	.091	.087	.083	.078	.073	.067	.061	.054
80CC	.116	.113	.110	.107	.104	.101	.097	.093	.089	.085	.081	.076	.071	.065	.060	.053
85CC	.110	.108	.105	.102	.099	.096	.092	.088	.084	.080	.076	.072	.068	.063	.057	.051
90CC	.106	.103	.100	.098	.095	.092	.089	.085	.082	.078	.074	.070	.066	.062	.056	.048
95CC	.101	.098	.096	.094	.091	.088	.085	.082	.079	.075	.071	.067	.063	.059	.054	.046
100CC	.097	.095	.092	.090	.087	.084	.082	.079	.075	.072	.068	.064	.060	.056	.050	.043
105CC	.093	.091	.089	.086	.084	.081	.078	.075	.072	.069	.066	.062	.058	.053	.048	.041
110CC	.089	.087	.085	.083	.080	.078	.075	.073	.070	.067	.063	.060	.056	.051	.047	.040
115CC	.086	.084	.082	.080	.077	.075	.073	.070	.067	.064	.061	.057	.054	.049	.045	.038
120CC	.083	.081	.079	.077	.075	.072	.070	.067	.065	.062	.059	.055	.052	.048	.043	.037
125CC	.080	.078	.076	.074	.072	.070	.067	.065	.062	.060	.057	.053	.050	.046	.042	.036
130CC	.077	.075	.073	.072	.070	.067	.065	.063	.060	.058	.055	.052	.048	.045	.040	.035
135CC	.074	.073	.071	.069	.067	.065	.063	.061	.058	.056	.053	.050	.047	.043	.039	.033
140CC	.072	.070	.068	.067	.065	.063	.061	.059	.056	.054	.051	.048	.045	.042	.038	.033
145CC	.070	.068	.066	.065	.063	.061	.059	.057	.054	.052	.049	.046	.044	.040	.037	.032
150CC	.067	.066	.064	.063	.061	.059	.057	.055	.053	.050	.048	.045	.042	.039	.035	.031
155CC	.065	.064	.062	.061	.059	.057	.055	.053	.051	.049	.046	.044	.041	.038	.034	.030
160CC	.063	.062	.060	.059	.057	.055	.054	.052	.050	.047	.045	.043	.040	.037	.033	.030
170CC	.060	.058	.057	.055	.054	.052	.051	.049	.047	.045	.043	.040	.038	.035	.031	.028
180CC	.056	.055	.054	.052	.051	.049	.048	.046	.044	.042	.040	.038	.035	.033	.030	.026
190CC	.053	.052	.051	.050	.048	.047	.045	.044	.042	.040	.038	.036	.034	.031	.028	.025
200CC	.050	.049	.048	.047	.046	.044	.043	.041	.040	.038	.036	.034	.032	.029	.027	.024
210CC	.048	.047	.046	.045	.043	.042	.041	.039	.038	.036	.034	.032	.030	.028	.025	.023
220CC	.046	.045	.044	.043	.041	.040	.039	.037	.036	.034	.033	.031	.029	.027	.024	.021
230CC	.044	.043	.042	.041	.039	.038	.037	.036	.034	.033	.031	.029	.028	.025	.023	.021
240CC	.042	.041	.040	.039	.038	.037	.035	.034	.033	.031	.030	.028	.026	.024	.022	.020
250CC	.040	.039	.038	.037	.036	.035	.034	.033	.031	.030	.029	.027	.025	.023	.021	.019
260CC	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028	.026	.024	.022	.020	.018
270CC	.036	.036	.035	.034	.033	.032	.031	.030	.029	.028	.026	.025	.023	.021	.019	.017
280CC	.035	.034	.033	.033	.032	.031	.030	.029	.028	.026	.025	.024	.022	.021	.019	.017
290CC	.034	.033	.032	.031	.030	.029	.028	.027	.026	.025	.024	.023	.021	.020	.018	.016
300CC	.032	.032	.031	.030	.029	.028	.027	.026	.025	.024	.023	.022	.021	.019	.017	.015
310CC	.031	.030	.030	.029	.028	.027	.026	.025	.024	.023	.022	.021	.020	.018	.017	.015
320CC	.030	.029	.029	.028	.027	.026	.025	.024	.023	.022	.021	.020	.019	.018	.016	.014
370CC	.025	.025	.024	.024	.023	.022	.022	.021	.020	.019	.018	.017	.016	.015	.014	.

Part II

G-247

ETA= 0.0 DEGREES		DELTA= 0.0 DEGREES														
*R#	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.290															
1800	.289	.285														
1900	.288	.284	.280													
2000	.287	.283	.279	.275												
2100	.286	.282	.278	.275	.271											
2200	.285	.281	.277	.274	.270	.267										
2300	.284	.280	.277	.273	.270	.266	.263									
2400	.283	.280	.276	.272	.269	.265	.262	.259								
2500	.283	.279	.275	.272	.268	.265	.261	.258	.255							
2600	.282	.278	.275	.271	.268	.264	.261	.258	.254	.251						
2700	.281	.277	.274	.270	.267	.264	.260	.257	.254	.251	.248					
2800	.280	.277	.273	.270	.266	.263	.260	.256	.253	.250	.247	.244				
2900	.280	.276	.273	.269	.266	.262	.259	.256	.253	.250	.247	.244	.241			
3000	.279	.275	.272	.268	.265	.262	.259	.255	.252	.249	.246	.244	.241	.238		
3100	.278	.275	.271	.268	.264	.261	.258	.255	.252	.249	.246	.243	.240	.238	.235	
3200	.278	.274	.271	.267	.264	.261	.257	.254	.251	.248	.245	.243	.240	.237	.234	.232
3400	.276	.273	.269	.266	.263	.260	.256	.253	.250	.247	.245	.242	.239	.236	.233	.231
3600	.275	.272	.268	.265	.262	.259	.255	.252	.249	.247	.244	.241	.238	.235	.233	.230
3800	.274	.271	.267	.264	.261	.258	.254	.252	.249	.246	.243	.240	.237	.235	.232	.229
4000	.273	.269	.266	.263	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.231	.228
4200	.272	.268	.265	.262	.259	.256	.253	.250	.247	.244	.241	.239	.236	.233	.231	.228
4400	.271	.267	.264	.261	.258	.255	.252	.249	.246	.243	.241	.238	.235	.233	.230	.228
4600	.270	.266	.263	.260	.257	.254	.251	.248	.245	.242	.240	.237	.235	.232	.229	.227
4800	.269	.265	.262	.259	.256	.253	.250	.247	.244	.242	.239	.236	.234	.231	.229	.226
5000	.267	.264	.261	.258	.255	.252	.249	.246	.244	.241	.238	.236	.233	.231	.228	.226
5200	.267	.263	.260	.257	.254	.251	.248	.246	.243	.240	.238	.235	.232	.230	.228	.225
5400	.266	.262	.259	.256	.253	.250	.248	.245	.242	.239	.237	.234	.232	.229	.227	.225
5600	.265	.261	.258	.255	.252	.250	.247	.244	.241	.239	.236	.234	.231	.229	.226	.224
5800	.264	.261	.258	.255	.252	.249	.246	.243	.241	.238	.236	.233	.231	.228	.226	.223
6000	.263	.260	.257	.254	.251	.248	.245	.243	.240	.237	.235	.232	.230	.228	.225	.223
6200	.262	.259	.256	.253	.250	.247	.245	.242	.239	.237	.234	.232	.229	.227	.225	.222
6400	.261	.258	.255	.252	.249	.247	.244	.241	.239	.236	.234	.231	.229	.226	.224	.222
6600	.260	.257	.254	.251	.249	.246	.243	.240	.238	.235	.233	.230	.228	.226	.223	.221
6800	.259	.256	.253	.251	.248	.245	.242	.240	.237	.235	.232	.230	.227	.225	.223	.221
7000	.258	.255	.253	.250	.247	.244	.242	.239	.237	.234	.232	.229	.227	.225	.222	.220
7200	.258	.255	.252	.249	.246	.244	.241	.238	.236	.233	.231	.229	.226	.224	.222	.220
7400	.257	.254	.251	.248	.246	.243	.240	.238	.235	.233	.230	.228	.226	.223	.221	.219
7600	.256	.253	.250	.248	.245	.242	.240	.237	.235	.232	.230	.227	.225	.223	.221	.218
7800	.255	.252	.249	.247	.244	.241	.239	.236	.234	.232	.229	.227	.225	.222	.220	.218
8000	.254	.252	.249	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222	.220	.217
8500	.252	.250	.247	.244	.242	.239	.237	.234	.232	.229	.227	.225	.223	.220	.218	.216
9000	.251	.248	.245	.243	.240	.237	.235	.233	.230	.228	.226	.223	.221	.219	.217	.215
9500	.249	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222	.220	.218	.216	.214
10000	.247	.244	.242	.239	.237	.234	.232	.230	.227	.225	.223	.221	.219	.216	.214	.212
10500	.245	.243	.240	.238	.235	.233	.230	.228	.226	.224	.221	.219	.217	.215	.213	.211
11000	.243	.241	.238	.236	.234	.231	.229	.227	.224	.222	.220	.218	.216	.214	.212	.210
11500	.242	.239	.237	.234	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209
12000	.240	.238	.235	.233	.231	.228	.226	.224	.222	.220	.218	.215	.213	.212	.210	.208
12500	.239	.236	.234	.231	.229	.227	.225	.222	.220	.218	.216	.214	.212	.210	.208	.207
13000	.237	.235	.232	.230	.228	.225	.223	.221	.219	.217	.215	.213	.211	.209	.207	.205
13500	.235	.233	.231	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204
14000	.234	.232	.229	.227	.225	.223	.221	.219	.216	.214	.213	.211	.209	.207	.205	.203
14500	.232	.230	.228	.226	.223	.221	.219	.217	.215	.213	.211	.209	.208	.206	.204	.202
15000	.231	.229	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.205	.203	.201
15500	.230	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209	.207	.205	.203	.202	.200
16000	.228	.226	.224	.222	.220	.217	.215	.213	.212	.210	.208	.206	.204	.202	.201	.199
17000	.225	.223	.221	.219	.217	.215	.213	.211	.209	.207	.206	.204	.202	.200	.199	.197
18000	.223	.221	.219	.217	.215	.213	.211	.209	.207	.205	.203	.202	.200	.198	.196	.195
19000	.220	.218	.216	.214	.212	.210	.208	.207	.205	.203	.201	.199	.198	.196	.195	.193
20000	.218	.216	.214	.212	.210	.208	.206	.204	.203	.201	.199	.197	.196	.194	.193	.191
21000	.215	.213	.211	.209	.208	.206	.204	.202	.200	.199	.197	.195	.194	.192	.191	.189
22000	.213	.211	.209	.207	.205	.204	.202	.200	.198	.197	.195	.194	.192	.190	.189	.187
23000	.211	.209	.207	.205	.203	.202	.200	.198	.196	.195	.193	.191	.190	.188	.187	.186
24000	.209	.207	.205	.203	.201	.200	.198	.196	.195	.193	.191	.189	.188	.186	.185	.184
25000	.206	.205	.203	.201	.199	.198	.196	.194	.193	.191	.190	.188	.187	.185	.184	.182
26000	.204	.203	.201	.199	.197	.196	.194	.192	.191	.189	.188	.186	.185	.183	.182	.180
27000	.202	.201	.199	.197	.195	.194	.192	.191	.189	.188	.186	.185	.183	.182	.180	.179
28000	.200	.199	.197	.195	.194	.192	.190	.189	.187	.186	.184	.183	.181	.180	.179	.177
29000	.198	.197	.195	.193	.192	.190	.189	.187	.186	.184	.183	.181	.180	.179	.177	.176
30000	.197	.195	.193	.192	.190	.189	.187	.185	.184	.183	.181	.180	.178	.177	.176	.174
31000	.195	.193	.192	.190	.188	.187	.185	.184	.182	.181	.180	.178	.177	.175	.174	.173
32000	.193	.191	.190	.188	.187	.185	.184	.182	.181	.179	.178	.177	.175	.174	.173	.171
37000	.185	.183	.182	.180	.179	.178	.176	.175	.174	.172	.171	.170	.168	.167	.166	.165
42000	.178	.176	.175	.174	.172	.171	.170	.168	.167	.166	.165	.163	.162	.161	.160	.159
47000	.171	.170	.169	.167	.166	.165	.164	.162	.161	.160	.159	.158	.157	.156	.154	.153
52000	.166	.164	.163	.162	.161	.159	.158	.157	.156	.155	.154	.153	.152	.151	.149	.148
57000	.160	.159	.158	.157	.156	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144
62000	.156	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140
67000	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136
72000	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.133
77000	.143	.142	.141	.140	.139	.138	.137	.136	.135	.135	.134	.133	.132	.131	.130	.129
82000	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.131	.130	.129	.128	.127	.126

BETA= 0.0 DLGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.286															
1800	.285	.281														
1900	.284	.280	.276													
2000	.282	.279	.275	.271												
2100	.281	.278	.274	.270	.267											
2200	.280	.277	.273	.269	.266	.262										
2300	.279	.276	.272	.268	.265	.261	.258									
2400	.278	.275	.271	.268	.264	.261	.257	.254								
2500	.278	.274	.270	.267	.263	.260	.257	.253	.250							
2600	.277	.273	.269	.266	.262	.259	.256	.253	.249	.246						
2700	.276	.272	.268	.265	.262	.258	.255	.252	.249	.246	.243					
2800	.275	.271	.268	.264	.261	.258	.254	.251	.248	.245	.242	.239				
2900	.274	.270	.267	.263	.260	.257	.254	.250	.247	.244	.242	.239	.236			
3000	.273	.269	.266	.263	.259	.256	.253	.250	.247	.244	.241	.238	.235	.233		
3100	.272	.269	.265	.262	.259	.255	.252	.249	.246	.243	.240	.237	.235	.232	.229	
3200	.271	.268	.264	.261	.258	.255	.251	.248	.245	.243	.240	.237	.234	.231	.228	.226
3400	.270	.266	.263	.260	.256	.253	.250	.247	.244	.241	.238	.236	.233	.230	.228	.225
3600	.268	.265	.261	.258	.255	.252	.249	.246	.243	.240	.237	.235	.232	.229	.227	.224
3800	.267	.263	.260	.257	.254	.250	.247	.245	.242	.239	.236	.233	.231	.228	.226	.223
4000	.265	.262	.258	.255	.252	.249	.246	.243	.240	.238	.235	.232	.230	.227	.225	.222
4200	.263	.260	.257	.254	.251	.248	.245	.242	.239	.236	.234	.231	.229	.226	.224	.221
4400	.262	.259	.256	.252	.249	.247	.244	.241	.238	.235	.233	.230	.227	.225	.223	.220
4600	.261	.257	.254	.251	.248	.245	.242	.240	.237	.234	.232	.229	.226	.224	.222	.219
4800	.259	.256	.253	.250	.247	.244	.241	.238	.236	.233	.230	.228	.225	.223	.221	.218
5000	.258	.255	.251	.248	.246	.243	.240	.237	.235	.232	.229	.227	.224	.222	.220	.217
5200	.256	.253	.250	.247	.244	.241	.239	.236	.233	.231	.228	.226	.223	.221	.219	.216
5400	.255	.252	.249	.246	.243	.240	.238	.235	.232	.230	.227	.225	.222	.220	.218	.215
5600	.253	.250	.247	.245	.242	.239	.236	.234	.231	.229	.226	.224	.221	.219	.217	.214
5800	.252	.249	.246	.243	.241	.238	.235	.233	.230	.227	.225	.223	.220	.218	.216	.213
6000	.251	.248	.245	.242	.239	.237	.234	.231	.229	.226	.224	.222	.219	.217	.215	.212
6200	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225	.223	.220	.218	.216	.214	.211
6400	.248	.245	.242	.240	.237	.234	.232	.229	.227	.224	.222	.219	.217	.215	.213	.210
6600	.247	.244	.241	.238	.236	.233	.230	.228	.225	.223	.221	.218	.216	.214	.212	.210
6800	.245	.243	.240	.237	.234	.232	.229	.227	.224	.222	.220	.217	.215	.213	.211	.209
7000	.244	.241	.239	.236	.233	.231	.228	.226	.223	.221	.219	.216	.214	.212	.210	.208
7200	.243	.240	.237	.235	.232	.229	.227	.225	.222	.220	.217	.215	.213	.211	.209	.207
7400	.241	.239	.236	.233	.231	.228	.226	.223	.221	.219	.216	.214	.212	.210	.208	.206
7600	.240	.237	.235	.232	.230	.227	.225	.222	.220	.218	.215	.213	.211	.209	.207	.205
7800	.239	.236	.233	.231	.228	.226	.223	.221	.219	.216	.214	.212	.210	.208	.206	.204
8000	.237	.235	.232	.230	.227	.225	.222	.220	.218	.215	.213	.211	.209	.207	.205	.203
8500	.234	.232	.229	.227	.224	.222	.219	.217	.215	.213	.211	.208	.206	.204	.202	.200
9000	.231	.228	.226	.224	.221	.219	.217	.214	.212	.210	.208	.206	.204	.202	.200	.198
9500	.228	.225	.223	.220	.218	.216	.214	.211	.209	.207	.205	.203	.201	.199	.197	.195
10000	.224	.222	.220	.217	.215	.213	.211	.209	.206	.204	.202	.200	.198	.196	.194	.192
10500	.221	.219	.217	.214	.212	.210	.208	.206	.204	.202	.200	.198	.196	.194	.192	.190
11000	.218	.216	.213	.211	.209	.207	.205	.203	.201	.199	.197	.195	.193	.191	.189	.188
11500	.215	.212	.210	.208	.206	.204	.202	.200	.198	.196	.194	.192	.190	.189	.187	.185
12000	.211	.209	.207	.205	.203	.201	.199	.197	.195	.193	.191	.189	.188	.186	.184	.183
12500	.208	.206	.204	.202	.200	.198	.196	.194	.192	.190	.188	.187	.185	.183	.182	.180
13000	.205	.203	.201	.199	.197	.195	.193	.191	.189	.187	.186	.184	.182	.180	.177	.177
13500	.201	.199	.197	.195	.194	.192	.190	.188	.186	.184	.183	.181	.179	.178	.176	.174
14000	.198	.196	.194	.192	.190	.188	.187	.185	.183	.181	.180	.178	.176	.175	.173	.172
14500	.195	.193	.191	.189	.187	.185	.184	.182	.180	.178	.177	.175	.174	.172	.170	.169
15000	.191	.189	.188	.186	.184	.182	.180	.179	.177	.175	.174	.172	.171	.169	.168	.166
15500	.188	.186	.184	.182	.181	.179	.177	.176	.174	.172	.171	.169	.168	.166	.165	.163
16000	.184	.183	.181	.179	.177	.176	.174	.172	.171	.169	.168	.166	.165	.163	.162	.160
17000	.177	.176	.174	.172	.171	.169	.167	.166	.164	.163	.161	.160	.159	.157	.156	.154
18000	.170	.168	.167	.165	.164	.162	.161	.159	.158	.156	.155	.154	.152	.151	.150	.148
19000	.162	.161	.159	.158	.156	.155	.154	.152	.151	.150	.148	.147	.146	.144	.143	.142
20000	.155	.153	.152	.150	.149	.148	.146	.145	.144	.142	.141	.140	.139	.138	.137	.135
21000	.147	.145	.144	.143	.141	.140	.139	.138	.136	.135	.134	.133	.132	.131	.130	.128
22000	.138	.137	.136	.134	.133	.132	.131	.130	.129	.127	.126	.125	.124	.123	.122	.121
23000	.129	.128	.127	.126	.125	.124	.122	.121	.120	.119	.118	.117	.116	.115	.114	.114
24000	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105
25000	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.101	.100	.099	.098	.097	.097
26000	.099	.098	.097	.096	.095	.094	.094	.093	.092	.091	.090	.090	.089	.088	.088	.087
27000	.086	.085	.085	.084	.083	.083	.082	.081	.080	.080	.079	.078	.078	.077	.077	.076
28000	.072	.071	.071	.070	.069	.069	.068	.068	.067	.067	.066	.065	.065	.064	.064	.063
29000	.054	.054	.053	.053	.052	.052	.051	.051	.050	.050	.050	.049	.049	.048	.048	.048
30000	.026	.026	.026	.026	.025	.025	.025	.025	.025	.024	.024	.024	.024	.024	.023	.023
31000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 0.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.273															
1800	.272	.268														
1900	.270	.266	.263													
2000	.268	.265	.261	.257												
2100	.267	.263	.260	.256	.253											
2200	.265	.262	.258	.255	.251	.248										
2300	.264	.260	.257	.253	.250	.246	.243									
2400	.262	.259	.255	.252	.248	.245	.242	.239								
2500	.261	.257	.254	.250	.247	.244	.241	.238	.235							
2600	.259	.256	.252	.249	.246	.242	.239	.236	.233	.230						
2700	.258	.254	.251	.247	.244	.241	.238	.235	.232	.229	.226					
2800	.256	.253	.249	.246	.243	.240	.237	.234	.231	.228	.225	.222				
2900	.255	.251	.248	.245	.242	.238	.235	.232	.230	.227	.224	.221	.219			
3000	.253	.250	.246	.243	.240	.237	.234	.231	.228	.226	.223	.220	.218	.215		
3100	.252	.248	.245	.242	.239	.236	.233	.230	.227	.224	.222	.219	.216	.214	.211	
3200	.250	.247	.244	.241	.237	.234	.232	.229	.226	.223	.220	.218	.215	.213	.210	.208
3400	.247	.244	.241	.238	.235	.232	.229	.226	.223	.221	.218	.215	.213	.210	.208	.206
3600	.244	.241	.238	.235	.232	.229	.226	.224	.221	.218	.216	.213	.211	.208	.206	.204
3800	.241	.238	.235	.232	.229	.226	.224	.221	.218	.216	.213	.211	.208	.206	.204	.201
4000	.238	.235	.232	.229	.227	.224	.221	.218	.216	.213	.211	.208	.206	.204	.201	.199
4200	.235	.232	.229	.227	.224	.221	.218	.216	.213	.211	.208	.206	.204	.201	.199	.197
4400	.232	.230	.227	.224	.221	.218	.216	.213	.211	.208	.206	.204	.201	.199	.197	.195
4600	.229	.227	.224	.221	.218	.216	.213	.211	.208	.206	.203	.201	.199	.197	.194	.192
4800	.226	.224	.221	.218	.215	.213	.210	.208	.205	.203	.201	.199	.196	.194	.192	.190
5000	.223	.221	.218	.215	.213	.210	.208	.205	.203	.201	.198	.196	.194	.192	.190	.188
5200	.220	.218	.215	.212	.210	.207	.205	.202	.200	.198	.196	.193	.191	.189	.187	.185
5400	.217	.214	.212	.209	.207	.204	.202	.200	.197	.195	.193	.191	.189	.187	.185	.183
5600	.214	.211	.209	.206	.204	.201	.199	.197	.195	.192	.190	.188	.186	.184	.182	.180
5800	.211	.208	.206	.203	.201	.199	.196	.194	.192	.190	.188	.186	.183	.182	.180	.178
6000	.208	.205	.203	.200	.198	.196	.193	.191	.189	.187	.185	.183	.181	.179	.177	.175
6200	.204	.202	.199	.197	.195	.193	.190	.188	.186	.184	.182	.180	.178	.176	.174	.172
6400	.201	.199	.196	.194	.192	.189	.187	.185	.183	.181	.179	.177	.175	.173	.172	.170
6600	.198	.195	.193	.191	.188	.186	.184	.182	.180	.178	.176	.174	.172	.171	.169	.167
6800	.194	.192	.190	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.168	.166	.164
7000	.191	.188	.186	.184	.182	.180	.178	.176	.174	.172	.170	.168	.166	.165	.163	.161
7200	.187	.185	.183	.180	.178	.176	.174	.173	.171	.169	.167	.165	.163	.162	.160	.158
7400	.183	.181	.179	.177	.175	.173	.171	.169	.167	.166	.164	.162	.160	.159	.157	.155
7600	.180	.177	.175	.173	.171	.170	.168	.166	.164	.162	.160	.159	.157	.156	.154	.152
7800	.176	.174	.172	.170	.168	.166	.164	.162	.161	.159	.157	.155	.154	.152	.151	.149
8000	.172	.170	.168	.166	.164	.162	.160	.159	.157	.155	.154	.152	.151	.149	.147	.146
8500	.162	.160	.158	.156	.154	.153	.151	.149	.148	.146	.145	.143	.142	.140	.139	.137
9000	.151	.149	.147	.146	.144	.142	.141	.139	.138	.136	.135	.134	.132	.131	.130	.128
9500	.139	.137	.136	.134	.133	.131	.130	.128	.127	.126	.124	.123	.122	.121	.120	.118
10000	.126	.124	.123	.122	.120	.119	.118	.116	.115	.114	.113	.112	.111	.109	.108	.107
10500	.111	.110	.109	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095
11000	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.080
11500	.073	.072	.071	.071	.070	.069	.068	.068	.067	.066	.066	.065	.064	.064	.063	.063
12000	.042	.042	.041	.041	.041	.040	.040	.039	.039	.039	.038	.038	.037	.037	.037	.036
12500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 0.0 DEGREES DELTA= 30.0 DEGREES

RP RA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.249															
1800	.246	.243														
1900	.244	.240	.237													
2000	.241	.237	.234	.231												
2100	.238	.234	.231	.228	.225											
2200	.235	.232	.228	.225	.222	.219										
2300	.232	.229	.226	.222	.219	.216	.214									
2400	.229	.226	.223	.220	.217	.214	.211	.208	.206	.203						
2500	.226	.223	.220	.217	.214	.211	.208	.206	.203	.200	.198					
2600	.223	.220	.217	.214	.211	.209	.206	.203	.200	.198	.195	.193				
2700	.220	.217	.214	.211	.209	.206	.203	.200	.198	.195	.193	.190	.188			
2800	.217	.214	.211	.209	.206	.203	.200	.198	.195	.193	.190	.188	.185	.183		
2900	.214	.211	.209	.206	.203	.200	.198	.195	.192	.190	.188	.185	.183	.181	.178	
3000	.211	.208	.206	.203	.200	.198	.195	.192	.190	.187	.185	.183	.180	.178	.176	.174
3100	.208	.205	.203	.200	.197	.195	.192	.190	.187	.185	.183	.180	.178	.176	.173	.171
3200	.205	.202	.200	.197	.194	.192	.189	.187	.184	.182	.180	.178	.176	.173	.171	.169
3400	.199	.196	.193	.191	.188	.186	.183	.181	.179	.177	.174	.172	.170	.168	.166	.164
3600	.192	.190	.187	.185	.182	.180	.177	.175	.173	.171	.169	.167	.165	.163	.161	.159
3800	.185	.183	.180	.178	.176	.173	.171	.169	.167	.165	.163	.161	.159	.157	.155	.153
4000	.178	.176	.173	.171	.169	.167	.165	.163	.161	.159	.157	.155	.153	.151	.149	.148
4200	.171	.168	.166	.164	.162	.160	.158	.156	.154	.152	.150	.148	.147	.145	.143	.142
4400	.163	.161	.159	.156	.155	.153	.151	.149	.147	.145	.143	.142	.140	.138	.137	.135
4600	.155	.152	.151	.149	.147	.145	.143	.141	.140	.138	.136	.135	.133	.132	.130	.129
4800	.146	.144	.142	.140	.138	.137	.135	.133	.132	.130	.129	.127	.126	.124	.123	.121
5000	.136	.135	.133	.131	.130	.128	.126	.125	.123	.122	.120	.119	.118	.116	.115	.114
5200	.126	.125	.123	.121	.120	.118	.117	.116	.114	.113	.111	.110	.109	.108	.106	.105
5400	.115	.114	.112	.111	.109	.108	.107	.105	.104	.103	.102	.101	.099	.098	.097	.096
5600	.103	.101	.100	.099	.098	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086
5800	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.077	.076	.075	.074
6000	.071	.070	.070	.069	.068	.067	.066	.065	.065	.064	.063	.062	.062	.061	.060	.060
6200	.048	.048	.047	.047	.046	.046	.045	.044	.044	.043	.043	.042	.042	.041	.041	.041
6400	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 0.0 DEGREES DELTA= 40.0 DEGREES

RP RA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.204															
1800	.198	.195														
1900	.193	.190	.187													
2000	.187	.184	.181	.179												
2100	.181	.178	.175	.173	.170											
2200	.174	.172	.169	.167	.164	.162										
2300	.168	.165	.163	.161	.158	.156	.154									
2400	.161	.159	.156	.154	.152	.150	.148	.146								
2500	.154	.152	.150	.147	.145	.143	.141	.139	.137							
2600	.147	.144	.142	.140	.138	.136	.134	.132	.131	.129						
2700	.139	.137	.135	.133	.131	.129	.127	.125	.124	.122	.120					
2800	.130	.128	.126	.125	.123	.121	.119	.118	.116	.115	.113	.112				
2900	.121	.120	.118	.116	.114	.113	.111	.110	.108	.107	.105	.104	.103			
3000	.112	.110	.108	.107	.105	.104	.102	.101	.100	.098	.097	.096	.094	.093		
3100	.101	.099	.098	.096	.095	.094	.093	.091	.090	.089	.088	.087	.085	.084	.083	
3200	.089	.087	.086	.085	.084	.083	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072
3400	.057	.056	.055	.055	.054	.053	.052	.052	.051	.050	.050	.049	.048	.048	.047	.047
3600	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 0.0 DEGREES DELTA= 50.0 DEGREES

RP RA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.096															
1800	.074	.072														
1900	.041	.041	.040													
2000	.000	.000	.000	.000												

G-247

BETA= 20.0 DEGREES DELTA= 0.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.290															
1800	.284	.285														
1900	.287	.284	.280													
2000	.287	.283	.279	.275												
2100	.286	.282	.278	.274	.271											
2200	.285	.281	.277	.274	.270	.267										
2300	.284	.280	.276	.273	.269	.266	.263									
2400	.283	.279	.276	.272	.269	.265	.262	.259								
2500	.282	.278	.275	.271	.268	.265	.261	.258	.255							
2600	.281	.277	.274	.270	.267	.264	.261	.257	.254	.251						
2700	.280	.277	.273	.270	.266	.263	.260	.257	.254	.251	.248					
2800	.279	.276	.272	.269	.266	.262	.259	.256	.253	.250	.247	.244				
2900	.279	.275	.272	.268	.265	.262	.259	.256	.253	.250	.247	.244	.241			
3000	.278	.274	.271	.268	.264	.261	.258	.255	.252	.249	.246	.243	.241	.238		
3100	.277	.274	.270	.267	.264	.260	.257	.254	.251	.248	.245	.243	.240	.237	.235	
3200	.276	.273	.270	.266	.263	.260	.257	.254	.251	.248	.245	.242	.240	.237	.234	.232
3400	.275	.272	.268	.265	.262	.259	.256	.253	.250	.247	.244	.241	.239	.236	.233	.231
3600	.274	.270	.267	.264	.261	.257	.254	.252	.249	.246	.243	.240	.238	.235	.233	.230
3800	.272	.269	.266	.262	.259	.256	.253	.250	.248	.245	.242	.239	.237	.234	.232	.229
4000	.271	.268	.264	.261	.258	.255	.252	.249	.247	.244	.241	.238	.236	.233	.231	.228
4200	.270	.266	.263	.260	.257	.254	.251	.248	.246	.243	.240	.238	.235	.233	.230	.228
4400	.268	.265	.262	.259	.256	.253	.250	.247	.245	.242	.239	.237	.234	.232	.229	.227
4600	.267	.264	.261	.258	.255	.252	.249	.246	.244	.241	.238	.236	.233	.231	.228	.226
4800	.266	.263	.260	.257	.254	.251	.248	.245	.243	.240	.238	.235	.233	.230	.228	.225
5000	.265	.262	.259	.256	.253	.250	.247	.244	.242	.239	.237	.234	.232	.229	.227	.225
5200	.263	.260	.257	.255	.252	.249	.246	.244	.241	.238	.236	.233	.231	.229	.226	.224
5400	.262	.259	.256	.254	.251	.248	.245	.243	.240	.237	.235	.233	.230	.228	.225	.223
5600	.261	.258	.255	.252	.250	.247	.244	.242	.239	.237	.234	.232	.229	.227	.225	.222
5800	.260	.257	.254	.251	.249	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222
6000	.259	.256	.253	.250	.248	.245	.242	.240	.237	.235	.232	.230	.228	.226	.223	.221
6200	.258	.255	.252	.250	.247	.244	.242	.239	.237	.234	.232	.229	.227	.225	.223	.220
6400	.257	.254	.251	.249	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222	.220
6600	.256	.253	.250	.248	.245	.242	.240	.237	.235	.232	.230	.228	.226	.223	.221	.219
6800	.255	.252	.249	.247	.244	.241	.239	.236	.234	.232	.229	.227	.225	.223	.220	.218
7000	.254	.251	.248	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222	.220	.218
7200	.253	.250	.247	.245	.242	.240	.237	.235	.232	.230	.228	.226	.223	.221	.219	.217
7400	.252	.249	.246	.244	.241	.239	.236	.234	.232	.229	.227	.225	.223	.221	.218	.216
7600	.251	.248	.246	.243	.240	.238	.236	.233	.231	.229	.226	.224	.222	.220	.218	.216
7800	.250	.247	.245	.242	.240	.237	.235	.232	.230	.228	.226	.223	.221	.219	.217	.215
8000	.249	.246	.244	.241	.239	.236	.234	.232	.229	.227	.225	.223	.221	.218	.216	.214
8500	.247	.244	.242	.239	.237	.234	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213
9000	.244	.242	.239	.237	.235	.232	.230	.228	.226	.223	.221	.219	.217	.215	.213	.211
9500	.242	.240	.237	.235	.233	.230	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210
10000	.240	.238	.235	.233	.231	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208
10500	.238	.235	.233	.231	.229	.227	.224	.222	.220	.218	.216	.214	.212	.210	.209	.207
11000	.236	.233	.231	.229	.227	.225	.223	.220	.218	.216	.215	.213	.211	.209	.207	.205
11500	.234	.231	.229	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209	.207	.206	.204
12000	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209	.208	.206	.204	.202
12500	.230	.228	.225	.223	.221	.219	.217	.215	.213	.212	.210	.208	.206	.204	.203	.201
13000	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.205	.203	.201	.199
13500	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.207	.205	.203	.202	.200	.198
14000	.224	.222	.220	.218	.216	.214	.212	.210	.209	.207	.205	.203	.202	.200	.198	.197
14500	.222	.220	.218	.216	.214	.213	.211	.209	.207	.205	.204	.202	.200	.199	.197	.195
15000	.220	.219	.217	.215	.213	.211	.209	.207	.206	.204	.202	.200	.199	.197	.196	.194
15500	.219	.217	.215	.213	.211	.209	.208	.206	.204	.202	.201	.199	.197	.196	.194	.193
16000	.217	.215	.213	.211	.210	.208	.206	.204	.203	.201	.199	.198	.196	.195	.193	.191
17000	.214	.212	.210	.208	.206	.205	.203	.201	.200	.198	.197	.195	.193	.192	.190	.189
18000	.210	.209	.207	.205	.203	.202	.200	.198	.197	.195	.194	.192	.191	.189	.188	.186
19000	.207	.206	.204	.202	.200	.199	.197	.196	.194	.193	.191	.190	.188	.187	.185	.184
20000	.204	.203	.201	.199	.198	.196	.195	.193	.192	.190	.189	.187	.186	.184	.183	.182
21000	.201	.200	.198	.196	.195	.193	.192	.190	.189	.187	.186	.185	.183	.182	.181	.179
22000	.198	.197	.195	.194	.192	.191	.189	.188	.186	.185	.184	.182	.181	.180	.178	.177
23000	.196	.194	.193	.191	.190	.188	.187	.185	.184	.183	.181	.180	.179	.177	.176	.175
24000	.193	.191	.190	.188	.187	.186	.184	.183	.182	.180	.179	.178	.177	.175	.174	.173
25000	.190	.189	.187	.186	.185	.183	.182	.181	.179	.178	.177	.175	.174	.173	.172	.171
26000	.188	.186	.185	.184	.182	.181	.180	.178	.177	.176	.175	.173	.172	.171	.170	.169
27000	.185	.184	.183	.181	.180	.179	.177	.176	.175	.174	.172	.171	.170	.169	.168	.167
28000	.183	.181	.180	.179	.178	.176	.175	.174	.173	.171	.170	.169	.168	.167	.166	.165
29000	.180	.179	.178	.177	.175	.174	.173	.172	.171	.169	.168	.167	.166	.165	.164	.163
30000	.178	.177	.176	.174	.173	.172	.171	.170	.169	.167	.166	.165	.164	.163	.162	.161
31000	.176	.175	.174	.172	.171	.170	.169	.168	.167	.165	.164	.163	.162	.161	.160	.159
32000	.174	.173	.171	.170	.169	.168	.167	.166	.165	.164	.162	.161	.160	.159	.158	.157
37000	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149
42000	.155	.154	.153	.152	.151	.150	.149	.148	.148	.147	.146	.145	.144	.143	.142	.142
47000	.147	.146	.145	.144	.143	.143	.142	.141	.140	.139	.139	.138	.137	.136	.136	.135
52000	.140	.139	.138	.137	.137	.136	.135	.134	.134	.133	.132	.132	.131	.130	.130	.129
57000	.133	.132	.132	.131	.130	.130	.129	.128	.128	.127	.126	.126	.125	.125	.124	.123
62000	.127	.127	.126	.125	.125	.124	.123	.123	.122	.122	.122	.121	.120	.119	.119	.118
67000	.122	.121	.121	.120	.119	.119	.118	.118	.117	.117	.116	.116	.115	.115	.114	.113
72000	.117	.116	.116	.115	.115	.114	.114	.113	.113	.112	.112	.111	.111	.110	.110	.109
77000	.112	.112	.111	.111	.110	.110	.109	.109	.108	.108	.107	.107	.106	.106	.106	.105
82000	.108	.107	.107	.106	.106	.106	.105	.105	.104	.104	.103	.103	.103	.102	.102	.101

G-247

BETA= 20.0 DEGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.286															
1800	.285	.281														
1900	.283	.280	.276													
2000	.282	.278	.275	.271												
2100	.281	.277	.274	.270	.267											
2200	.280	.276	.273	.269	.266	.262										
2300	.279	.275	.272	.268	.265	.261	.258									
2400	.278	.274	.271	.267	.264	.260	.257	.254								
2500	.277	.273	.270	.266	.263	.260	.256	.253	.250							
2600	.276	.272	.269	.265	.262	.259	.256	.252	.249	.246						
2700	.275	.271	.268	.264	.261	.258	.255	.252	.249	.246	.243					
2800	.274	.270	.267	.264	.260	.257	.254	.251	.248	.245	.242	.239				
2900	.273	.269	.266	.263	.259	.256	.253	.250	.247	.244	.241	.238	.236			
3000	.272	.269	.265	.262	.259	.255	.252	.249	.246	.244	.241	.238	.235	.233	.229	
3100	.271	.268	.264	.261	.258	.255	.252	.249	.246	.243	.240	.237	.235	.232	.228	.226
3200	.270	.267	.263	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.231	.227	.225
3400	.268	.265	.262	.259	.255	.252	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225
3600	.267	.263	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.231	.229	.226	.224
3800	.265	.262	.258	.255	.252	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225	.223
4000	.263	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.232	.229	.227	.224	.222
4200	.262	.258	.255	.252	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225	.223	.221
4400	.260	.257	.254	.251	.248	.245	.242	.239	.237	.234	.232	.229	.227	.224	.222	.219
4600	.258	.255	.252	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225	.223	.221	.218
4800	.257	.254	.251	.248	.245	.242	.239	.237	.234	.232	.229	.227	.224	.222	.220	.217
5000	.255	.252	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225	.223	.221	.218	.216
5200	.254	.251	.248	.245	.242	.239	.237	.234	.232	.229	.227	.224	.222	.220	.217	.215
5400	.252	.249	.246	.244	.241	.238	.235	.233	.230	.228	.225	.223	.221	.219	.216	.214
5600	.251	.248	.245	.242	.239	.237	.234	.232	.229	.227	.224	.222	.220	.217	.215	.213
5800	.249	.246	.243	.241	.238	.235	.233	.230	.228	.225	.223	.221	.219	.216	.214	.212
6000	.248	.245	.242	.239	.237	.234	.232	.229	.227	.224	.222	.220	.217	.215	.213	.211
6200	.246	.243	.241	.238	.235	.233	.230	.228	.225	.223	.221	.218	.216	.214	.212	.210
6400	.245	.242	.239	.237	.234	.231	.229	.227	.224	.222	.220	.217	.215	.213	.211	.209
6600	.243	.241	.238	.235	.233	.230	.228	.225	.223	.221	.218	.216	.214	.212	.210	.208
6800	.242	.239	.236	.234	.231	.229	.226	.224	.222	.219	.217	.215	.213	.211	.209	.207
7000	.240	.238	.235	.233	.230	.228	.225	.223	.221	.218	.216	.214	.212	.210	.208	.206
7200	.239	.236	.234	.231	.229	.226	.224	.222	.219	.217	.215	.213	.211	.209	.207	.205
7400	.238	.235	.232	.230	.227	.225	.223	.220	.218	.216	.214	.212	.210	.208	.205	.204
7600	.236	.234	.231	.229	.226	.224	.221	.219	.217	.215	.213	.211	.208	.206	.204	.202
7800	.235	.232	.230	.227	.225	.223	.220	.218	.216	.214	.211	.209	.207	.205	.203	.201
8000	.233	.231	.228	.226	.224	.221	.219	.217	.215	.212	.210	.208	.206	.204	.202	.200
8500	.230	.227	.225	.223	.220	.218	.216	.214	.212	.210	.207	.205	.203	.202	.200	.198
9000	.226	.224	.222	.219	.217	.215	.213	.211	.209	.207	.205	.203	.201	.199	.197	.195
9500	.223	.221	.218	.216	.214	.212	.210	.208	.206	.204	.202	.200	.198	.196	.194	.192
10000	.220	.217	.215	.213	.211	.209	.207	.205	.203	.201	.199	.197	.195	.193	.192	.190
10500	.216	.214	.212	.210	.208	.206	.204	.202	.200	.198	.196	.194	.192	.191	.189	.187
11000	.213	.211	.209	.207	.205	.203	.201	.199	.197	.195	.193	.191	.190	.188	.186	.185
11500	.210	.208	.205	.203	.201	.200	.198	.196	.194	.192	.190	.189	.187	.185	.184	.182
12000	.206	.204	.202	.200	.198	.196	.195	.193	.191	.189	.187	.186	.184	.182	.181	.179
12500	.203	.201	.199	.197	.195	.193	.192	.190	.188	.186	.185	.183	.181	.180	.178	.177
13000	.200	.198	.196	.194	.192	.190	.189	.187	.185	.183	.182	.180	.179	.177	.175	.174
13500	.196	.195	.193	.191	.189	.187	.186	.184	.182	.181	.179	.177	.176	.174	.173	.171
14000	.193	.191	.190	.188	.186	.184	.183	.181	.179	.178	.176	.175	.173	.171	.170	.169
14500	.190	.188	.186	.185	.183	.181	.180	.178	.177	.175	.173	.172	.170	.169	.167	.166
15000	.187	.185	.183	.181	.180	.178	.177	.175	.173	.172	.170	.169	.167	.166	.165	.163
15500	.183	.182	.180	.178	.177	.175	.173	.172	.170	.169	.167	.166	.165	.163	.162	.160
16000	.180	.178	.177	.175	.174	.172	.170	.169	.167	.166	.165	.163	.162	.160	.159	.158
17000	.174	.172	.170	.169	.167	.166	.164	.163	.162	.160	.159	.157	.156	.155	.153	.152
18000	.167	.166	.164	.163	.161	.160	.158	.157	.156	.154	.153	.152	.150	.149	.148	.147
19000	.161	.159	.158	.156	.155	.154	.152	.151	.150	.148	.147	.146	.144	.143	.142	.141
20000	.154	.153	.151	.150	.149	.147	.146	.145	.143	.142	.141	.140	.139	.137	.136	.135
21000	.148	.146	.145	.144	.142	.141	.140	.138	.137	.136	.135	.134	.133	.132	.130	.129
22000	.141	.140	.138	.137	.136	.135	.133	.132	.131	.130	.129	.128	.127	.125	.124	.123
23000	.134	.133	.132	.131	.129	.128	.127	.126	.125	.124	.122	.121	.120	.119	.118	.117
24000	.127	.126	.125	.124	.123	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111
25000	.121	.119	.118	.117	.116	.115	.114	.113	.112	.110	.109	.108	.108	.107	.106	.105
26000	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098
27000	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091
28000	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.085	.084
29000	.091	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.079	.078	.077	.076
30000	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.068
31000	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058
32000	.063	.062	.061	.060	.059	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047
37000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 20.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.273															
1800	.272	.268														
1900	.270	.266	.263													
2000	.268	.265	.261	.257												
2100	.267	.263	.259	.256	.253											
2200	.265	.261	.258	.254	.251	.248										
2300	.263	.260	.256	.253	.250	.246	.243									
2400	.262	.258	.255	.251	.248	.245	.242	.239								
2500	.260	.257	.253	.250	.247	.244	.241	.237	.235							
2600	.259	.255	.252	.249	.245	.242	.239	.236	.233	.230						
2700	.257	.254	.250	.247	.244	.241	.238	.235	.232	.229	.226					
2800	.256	.252	.249	.246	.243	.239	.236	.234	.231	.228	.225	.222				
2900	.254	.251	.247	.244	.241	.238	.235	.232	.229	.227	.224	.221	.219			
3000	.252	.249	.246	.243	.240	.237	.234	.231	.228	.225	.223	.220	.217	.215		
3100	.251	.248	.244	.241	.238	.235	.232	.230	.227	.224	.221	.219	.216	.214	.211	
3200	.249	.246	.243	.240	.237	.234	.231	.228	.226	.223	.220	.218	.215	.213	.210	.208
3400	.246	.243	.240	.237	.234	.231	.228	.226	.223	.220	.218	.215	.213	.210	.208	.206
3600	.243	.240	.237	.234	.231	.229	.226	.223	.220	.218	.215	.213	.210	.208	.206	.203
3800	.240	.237	.234	.231	.229	.226	.223	.220	.218	.215	.213	.210	.208	.206	.203	.201
4000	.237	.234	.232	.229	.226	.223	.220	.218	.215	.213	.210	.208	.206	.203	.201	.199
4200	.234	.232	.229	.226	.223	.220	.218	.215	.213	.210	.208	.205	.203	.201	.199	.197
4400	.231	.229	.226	.223	.220	.218	.215	.213	.210	.208	.205	.203	.201	.199	.196	.194
4600	.228	.226	.223	.220	.217	.215	.212	.210	.207	.205	.203	.201	.198	.196	.194	.192
4800	.225	.223	.220	.217	.215	.212	.210	.207	.205	.203	.200	.198	.196	.194	.192	.190
5000	.222	.220	.217	.214	.212	.209	.207	.205	.202	.200	.197	.195	.193	.191	.189	.187
5200	.219	.217	.214	.212	.209	.207	.204	.202	.200	.197	.195	.193	.191	.189	.187	.185
5400	.216	.214	.211	.209	.206	.204	.201	.199	.197	.195	.192	.190	.188	.186	.184	.182
5600	.213	.211	.208	.206	.203	.201	.199	.196	.194	.192	.190	.188	.186	.184	.182	.180
5800	.210	.208	.205	.203	.200	.198	.196	.194	.191	.189	.187	.185	.183	.181	.179	.177
6000	.207	.204	.202	.200	.197	.195	.193	.191	.189	.186	.184	.182	.180	.178	.177	.175
6200	.204	.201	.199	.197	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176	.174	.172
6400	.201	.198	.196	.194	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.170
6600	.197	.195	.193	.190	.188	.186	.184	.182	.180	.178	.176	.174	.172	.170	.169	.167
6800	.194	.192	.190	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.168	.166	.164
7000	.191	.189	.186	.184	.182	.180	.178	.176	.174	.172	.170	.168	.167	.165	.163	.161
7200	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.164	.162	.160	.159
7400	.184	.182	.180	.178	.176	.174	.172	.170	.168	.166	.164	.163	.161	.159	.157	.156
7600	.181	.178	.176	.174	.172	.170	.168	.167	.165	.163	.161	.159	.158	.156	.154	.153
7800	.177	.175	.173	.171	.169	.167	.165	.163	.162	.160	.158	.156	.155	.153	.152	.150
8000	.174	.172	.170	.168	.166	.164	.162	.160	.158	.157	.155	.153	.152	.150	.148	.147
8500	.164	.163	.161	.159	.157	.155	.153	.152	.150	.148	.147	.145	.144	.142	.141	.139
9000	.155	.153	.151	.149	.148	.146	.144	.143	.141	.140	.138	.137	.135	.134	.132	.131
9500	.145	.143	.141	.140	.138	.136	.135	.133	.132	.130	.129	.127	.126	.125	.123	.122
10000	.134	.132	.131	.129	.128	.126	.125	.123	.122	.120	.119	.118	.116	.115	.114	.112
10500	.123	.121	.119	.118	.116	.115	.114	.112	.111	.109	.108	.107	.106	.104	.103	.102
11000	.110	.108	.107	.106	.104	.103	.101	.100	.099	.098	.096	.095	.094	.093	.092	.091
11500	.096	.094	.093	.092	.090	.089	.088	.086	.085	.084	.083	.082	.081	.079	.078	.077
12000	.080	.078	.077	.075	.074	.073	.071	.070	.069	.068	.067	.066	.065	.063	.062	.061
12500	.059	.058	.056	.055	.053	.052	.051	.049	.048	.047	.045	.044	.043	.042	.041	.040
13000	.026	.024	.021	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
13500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 20.0 DEGREES DELTA= 30.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700		.249														
1800	.246	.243														
1900	.243	.240	.237													
2000	.241	.237	.234	.231												
2100	.238	.234	.231	.228	.225											
2200	.235	.232	.228	.225	.222	.219										
2300	.232	.229	.226	.222	.219	.216	.214									
2400	.229	.226	.223	.220	.217	.214	.211	.208								
2500	.226	.223	.220	.217	.214	.211	.208	.206	.203							
2600	.223	.220	.217	.214	.211	.208	.206	.203	.200	.198						
2700	.221	.217	.214	.211	.209	.206	.203	.200	.198	.195	.193					
2800	.218	.215	.212	.209	.206	.203	.200	.198	.195	.193	.190	.188				
2900	.215	.212	.209	.206	.203	.200	.198	.195	.193	.190	.188	.185	.183			
3000	.212	.209	.206	.203	.200	.198	.195	.192	.190	.188	.185	.183	.180	.178		
3100	.209	.206	.203	.200	.197	.195	.192	.190	.187	.185	.183	.180	.178	.176	.174	
3200	.206	.203	.200	.197	.195	.192	.189	.187	.185	.182	.180	.178	.176	.173	.171	.169
3400	.199	.197	.194	.191	.189	.186	.184	.181	.179	.177	.175	.172	.170	.168	.166	.164
3600	.193	.190	.188	.185	.183	.180	.178	.176	.173	.171	.169	.167	.165	.163	.161	.159
3800	.186	.184	.181	.179	.176	.174	.172	.170	.168	.165	.163	.161	.159	.157	.156	.154
4000	.180	.177	.175	.172	.170	.168	.166	.163	.161	.159	.157	.155	.154	.152	.150	.148
4200	.173	.170	.168	.166	.163	.161	.159	.157	.155	.153	.151	.149	.147	.146	.144	.142
4400	.165	.163	.161	.159	.156	.154	.152	.150	.148	.147	.145	.143	.141	.139	.138	.136
4600	.158	.155	.153	.151	.149	.147	.145	.143	.141	.140	.138	.136	.134	.133	.131	.130
4800	.150	.148	.145	.143	.141	.140	.138	.136	.134	.132	.131	.129	.127	.126	.124	.123
5000	.141	.139	.137	.135	.133	.132	.130	.128	.126	.125	.123	.121	.120	.118	.117	.115
5200	.132	.130	.128	.127	.125	.123	.121	.120	.118	.116	.115	.113	.112	.110	.109	.108
5400	.123	.121	.119	.117	.115	.114	.112	.111	.109	.108	.106	.105	.103	.102	.101	.099
5600	.112	.110	.109	.107	.105	.104	.102	.101	.099	.098	.096	.095	.094	.092	.091	.090
5800	.101	.099	.097	.096	.094	.093	.091	.090	.088	.087	.086	.084	.083	.082	.081	.080
6000	.088	.086	.085	.083	.081	.080	.079	.077	.076	.075	.073	.072	.071	.070	.069	.067
6200	.072	.071	.069	.068	.066	.065	.063	.062	.061	.060	.058	.057	.056	.055	.054	.053
6400	.053	.051	.050	.048	.046	.045	.043	.042	.041	.039	.038	.036	.035	.034	.033	.031
6600	.019	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 20.0 DEGREES DELTA= 40.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.204															
1800	.199	.195														
1900	.193	.190	.187													
2000	.187	.184	.181	.179												
2100	.181	.178	.176	.173	.170											
2200	.175	.172	.170	.167	.164	.162										
2300	.169	.166	.163	.161	.158	.156	.154									
2400	.162	.160	.157	.155	.152	.150	.148	.146								
2500	.155	.153	.150	.148	.146	.144	.141	.139	.137							
2600	.148	.146	.144	.141	.139	.137	.135	.133	.131	.129						
2700	.141	.139	.136	.134	.132	.130	.128	.126	.124	.122	.120					
2800	.133	.131	.129	.126	.124	.122	.121	.119	.117	.115	.113	.112				
2900	.125	.122	.120	.118	.116	.114	.113	.111	.109	.107	.106	.104	.103			
3000	.116	.114	.112	.110	.108	.106	.104	.102	.101	.099	.098	.096	.095	.093		
3100	.106	.104	.102	.100	.098	.097	.095	.093	.092	.090	.089	.087	.086	.085	.083	
3200	.095	.093	.091	.090	.088	.086	.085	.083	.082	.080	.079	.077	.076	.075	.074	.072
3400	.069	.067	.065	.064	.062	.060	.059	.057	.056	.055	.053	.052	.051	.050	.049	.048
3600	.019	.015	.011	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 20.0 DEGREES DELTA= 50.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.096															
1800	.074	.072														
1900	.044	.042	.040													
2000	.000	.000	.000	.000												

ETA= 40.0 DEGREES DELTA= 0.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.290															
1800	.288	.285														
1900	.287	.283	.280													
2000	.286	.282	.279	.275												
2100	.284	.281	.278	.274	.271											
2200	.283	.280	.276	.273	.270	.267										
2300	.282	.279	.275	.272	.269	.266	.263									
2400	.281	.278	.274	.271	.268	.265	.262	.259								
2500	.280	.277	.273	.270	.267	.264	.261	.258	.255							
2600	.279	.275	.272	.269	.266	.263	.260	.257	.254	.251						
2700	.278	.274	.271	.268	.265	.262	.259	.256	.253	.251	.248					
2800	.277	.273	.270	.267	.264	.261	.258	.255	.252	.250	.247	.244				
2900	.276	.272	.269	.266	.263	.260	.257	.254	.252	.249	.246	.244	.241			
3000	.275	.271	.268	.265	.262	.259	.256	.254	.251	.248	.246	.243	.240	.238		
3100	.274	.270	.267	.264	.261	.258	.256	.253	.250	.247	.245	.242	.240	.237	.235	
3200	.273	.269	.266	.263	.260	.258	.255	.252	.249	.247	.244	.242	.239	.236	.234	.232
3400	.271	.268	.265	.262	.259	.256	.253	.250	.248	.245	.243	.240	.238	.235	.233	.231
3600	.269	.266	.263	.260	.257	.254	.252	.249	.246	.244	.241	.239	.236	.234	.232	.229
3800	.267	.264	.261	.258	.255	.253	.250	.247	.245	.242	.240	.237	.235	.233	.230	.228
4000	.265	.262	.259	.257	.254	.251	.248	.246	.243	.241	.238	.236	.234	.231	.229	.227
4200	.263	.261	.258	.255	.252	.250	.247	.244	.242	.240	.237	.235	.232	.230	.228	.226
4400	.262	.259	.256	.253	.251	.248	.246	.243	.241	.238	.236	.234	.231	.229	.227	.225
4600	.260	.257	.254	.252	.249	.247	.244	.242	.239	.237	.235	.232	.230	.228	.226	.224
4800	.258	.256	.253	.250	.248	.245	.243	.240	.238	.236	.233	.231	.229	.227	.225	.222
5000	.257	.254	.251	.249	.246	.244	.241	.239	.237	.234	.232	.230	.228	.225	.223	.221
5200	.255	.252	.250	.247	.245	.242	.240	.238	.235	.233	.231	.229	.226	.224	.222	.220
5400	.254	.251	.248	.246	.243	.241	.239	.236	.234	.232	.230	.227	.225	.223	.221	.219
5600	.252	.249	.247	.244	.242	.240	.237	.235	.233	.231	.228	.226	.224	.222	.220	.218
5800	.250	.248	.245	.243	.241	.238	.236	.234	.232	.229	.227	.225	.223	.221	.219	.217
6000	.249	.246	.244	.242	.239	.237	.235	.232	.230	.228	.226	.224	.222	.220	.218	.216
6200	.247	.245	.243	.240	.238	.236	.233	.231	.229	.227	.225	.223	.221	.219	.217	.215
6400	.246	.244	.241	.239	.237	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214
6600	.245	.242	.240	.237	.235	.233	.231	.229	.227	.225	.223	.221	.219	.217	.215	.213
6800	.243	.241	.238	.236	.234	.232	.230	.228	.225	.223	.221	.219	.218	.216	.214	.212
7000	.242	.239	.237	.235	.233	.231	.228	.226	.224	.222	.220	.218	.216	.215	.213	.211
7200	.240	.238	.236	.234	.231	.229	.227	.225	.223	.221	.219	.217	.215	.214	.212	.210
7400	.239	.237	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.213	.211	.209
7600	.238	.235	.233	.231	.229	.227	.225	.223	.221	.219	.217	.215	.213	.212	.210	.208
7800	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.212	.211	.209	.207
8000	.235	.233	.231	.228	.226	.224	.222	.221	.219	.217	.215	.213	.211	.210	.208	.206
8500	.232	.229	.227	.225	.223	.222	.220	.218	.216	.214	.212	.211	.209	.207	.205	.204
9000	.228	.226	.224	.222	.221	.219	.217	.215	.213	.211	.210	.208	.206	.205	.203	.201
9500	.225	.223	.221	.219	.218	.216	.214	.212	.211	.209	.207	.206	.204	.202	.201	.199
10000	.222	.220	.218	.217	.215	.213	.211	.210	.208	.206	.205	.203	.202	.200	.198	.197
10500	.219	.217	.216	.214	.212	.210	.209	.207	.205	.204	.202	.201	.199	.198	.196	.195
11000	.216	.215	.213	.211	.209	.208	.206	.205	.203	.201	.200	.198	.197	.195	.194	.193
11500	.213	.212	.210	.208	.207	.205	.204	.202	.201	.199	.198	.196	.195	.193	.192	.190
12000	.211	.209	.207	.206	.204	.203	.201	.200	.198	.197	.195	.194	.192	.191	.190	.188
12500	.208	.206	.205	.203	.202	.200	.199	.197	.196	.194	.193	.192	.190	.189	.188	.186
13000	.205	.204	.202	.201	.199	.198	.196	.195	.194	.192	.191	.190	.188	.187	.186	.184
13500	.203	.201	.200	.198	.197	.195	.194	.193	.191	.190	.189	.187	.186	.185	.184	.182
14000	.200	.199	.197	.196	.195	.193	.192	.190	.189	.188	.187	.185	.184	.183	.182	.180
14500	.198	.196	.195	.194	.192	.191	.190	.188	.187	.186	.184	.183	.182	.181	.180	.178
15000	.195	.194	.193	.191	.190	.189	.187	.186	.185	.184	.182	.181	.180	.179	.178	.177
15500	.193	.192	.190	.189	.188	.186	.185	.184	.183	.182	.180	.179	.178	.177	.176	.175
16000	.191	.189	.188	.187	.186	.184	.183	.182	.181	.180	.178	.177	.176	.175	.174	.173
17000	.186	.185	.184	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
18000	.182	.181	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166
19000	.178	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.163
20000	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159
21000	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.156
22000	.166	.165	.164	.163	.162	.161	.161	.160	.159	.158	.157	.156	.155	.154	.154	.153
23000	.162	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148
24000	.159	.158	.157	.157	.156	.155	.154	.153	.153	.152	.151	.150	.149	.148	.147	.147
25000	.156	.155	.154	.153	.153	.152	.151	.150	.150	.149	.148	.147	.146	.145	.144	.144
26000	.152	.152	.151	.150	.149	.149	.148	.147	.147	.146	.145	.145	.144	.143	.143	.142
27000	.149	.149	.148	.147	.147	.146	.145	.145	.144	.143	.143	.142	.141	.141	.140	.139
28000	.146	.146	.145	.144	.144	.143	.142	.142	.141	.140	.140	.139	.139	.138	.137	.137
29000	.143	.143	.142	.142	.141	.140	.140	.139	.138	.138	.137	.137	.136	.136	.135	.134
30000	.141	.140	.139	.139	.138	.138	.137	.137	.136	.135	.135	.134	.134	.133	.133	.132
31000	.138	.137	.137	.136	.136	.135	.135	.134	.133	.133	.132	.132	.131	.131	.130	.130
32000	.135	.135	.134	.134	.133	.133	.132	.132	.131	.131	.130	.130	.129	.128	.128	.127
37000	.123	.123	.123	.122	.122	.121	.121	.120	.120	.119	.119	.118	.118	.118	.118	.117
42000	.113	.113	.112	.112	.112	.112	.111	.111	.111	.110	.110	.110	.109	.109	.109	.108
47000	.104	.104	.104	.103	.103	.103	.102	.102	.102	.102	.102	.101	.101	.101	.101	.100
52000	.097	.096	.096	.096	.096	.096	.095	.095	.095	.095	.095	.094	.094	.094	.094	.093
57000	.090	.090	.089	.089	.089	.089	.089	.089	.088	.088	.088	.088	.088	.088	.087	.087
62000	.084	.084	.083	.083	.083	.083	.083	.083	.083	.083	.082	.082	.082	.082	.082	.082
67000	.078	.078	.078	.078	.078	.078	.078	.078	.078	.077	.077	.077	.077	.077	.077	.077
72000	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.072
77000	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.068	.068
82000	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065

G-247

BETA= 40.0 DEGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
KA*																
1700	.286															
1800	.284	.281														
1900	.283	.279	.276													
2000	.281	.278	.274	.271												
2100	.280	.277	.273	.270	.267											
2200	.279	.275	.272	.269	.265	.262										
2300	.277	.274	.271	.267	.264	.261	.258									
2400	.276	.273	.270	.266	.263	.260	.257	.254								
2500	.275	.272	.268	.265	.262	.259	.256	.253	.250							
2600	.274	.270	.267	.264	.261	.258	.255	.252	.249	.246						
2700	.273	.269	.266	.263	.260	.257	.254	.251	.248	.245	.243					
2800	.271	.268	.265	.262	.259	.256	.253	.250	.247	.244	.242	.239				
2900	.270	.267	.264	.261	.258	.255	.252	.249	.246	.244	.242	.240	.238	.236		
3000	.269	.266	.263	.260	.257	.254	.251	.248	.245	.243	.240	.238	.235	.233	.233	
3100	.268	.265	.262	.259	.256	.253	.250	.247	.244	.242	.239	.237	.234	.232	.229	.229
3200	.267	.264	.261	.258	.255	.252	.249	.246	.244	.241	.238	.236	.233	.231	.227	.226
3400	.265	.261	.258	.256	.253	.250	.247	.244	.242	.239	.237	.234	.232	.229	.228	.225
3600	.262	.259	.256	.254	.251	.248	.245	.243	.240	.237	.235	.233	.230	.228	.226	.223
3800	.260	.257	.254	.252	.249	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222
4000	.258	.255	.252	.250	.247	.244	.242	.240	.237	.235	.232	.230	.228	.225	.223	.221
4200	.256	.253	.250	.248	.245	.242	.240	.237	.235	.232	.230	.228	.225	.223	.221	.219
4400	.254	.251	.249	.246	.243	.241	.238	.236	.233	.231	.229	.226	.224	.222	.220	.217
4600	.252	.249	.247	.244	.241	.239	.236	.234	.232	.229	.227	.225	.222	.220	.218	.216
4800	.250	.247	.245	.242	.240	.237	.235	.232	.230	.228	.225	.223	.221	.219	.217	.215
5000	.248	.246	.243	.240	.238	.235	.233	.231	.229	.226	.224	.222	.220	.218	.216	.214
5200	.246	.244	.241	.239	.236	.234	.231	.229	.227	.225	.223	.221	.219	.217	.215	.213
5400	.245	.242	.239	.237	.234	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213	.211
5600	.243	.240	.238	.235	.233	.230	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210
5800	.241	.238	.236	.233	.231	.229	.227	.224	.222	.220	.218	.216	.214	.212	.210	.208
6000	.239	.237	.234	.232	.229	.227	.225	.223	.221	.219	.216	.214	.212	.210	.209	.207
6200	.237	.235	.232	.230	.228	.226	.223	.221	.219	.217	.215	.213	.211	.209	.207	.205
6400	.236	.233	.231	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204
6600	.234	.231	.229	.227	.225	.222	.220	.218	.216	.214	.212	.210	.208	.206	.205	.203
6800	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209	.207	.206	.204	.202
7000	.230	.228	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204	.202	.200
7200	.229	.226	.224	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204	.202	.201	.199
7400	.227	.225	.223	.220	.218	.216	.214	.212	.210	.208	.207	.205	.203	.201	.199	.198
7600	.225	.223	.221	.219	.217	.215	.213	.211	.209	.208	.207	.205	.203	.202	.200	.198
7800	.224	.222	.219	.217	.215	.213	.211	.209	.208	.206	.204	.202	.200	.199	.197	.195
8000	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204	.202	.201	.199	.197	.196	.194
8500	.218	.216	.214	.212	.210	.208	.206	.204	.203	.201	.199	.197	.196	.194	.192	.191
9000	.214	.212	.210	.208	.206	.205	.203	.201	.199	.198	.196	.194	.193	.191	.189	.188
9500	.210	.208	.207	.205	.203	.201	.199	.198	.196	.194	.193	.191	.189	.188	.186	.185
10000	.207	.205	.203	.201	.199	.198	.196	.194	.193	.191	.189	.188	.186	.185	.183	.182
10500	.203	.201	.199	.198	.196	.194	.193	.191	.189	.188	.186	.185	.183	.182	.180	.179
11000	.199	.198	.196	.194	.192	.191	.189	.188	.186	.185	.183	.182	.180	.179	.177	.176
11500	.196	.194	.192	.191	.189	.188	.186	.184	.183	.181	.180	.178	.177	.175	.173	.173
12000	.192	.191	.189	.187	.186	.184	.183	.181	.180	.178	.177	.176	.174	.173	.172	.170
12500	.189	.187	.186	.184	.183	.181	.180	.178	.177	.175	.174	.173	.171	.170	.169	.167
13000	.186	.184	.183	.181	.180	.178	.177	.175	.174	.172	.171	.170	.169	.167	.166	.165
13500	.182	.181	.179	.178	.176	.175	.174	.172	.171	.170	.168	.167	.166	.164	.163	.162
14000	.179	.178	.176	.175	.173	.172	.171	.169	.168	.167	.165	.164	.163	.162	.160	.159
14500	.176	.175	.173	.172	.170	.169	.168	.166	.165	.163	.163	.161	.160	.159	.158	.157
15000	.173	.172	.170	.169	.167	.166	.165	.164	.162	.161	.160	.159	.158	.156	.155	.154
15500	.170	.169	.167	.166	.165	.163	.162	.161	.160	.158	.157	.156	.155	.154	.153	.151
16000	.167	.166	.164	.163	.162	.160	.159	.158	.157	.155	.155	.153	.152	.151	.150	.149
17000	.161	.160	.159	.157	.156	.155	.154	.153	.152	.150	.149	.148	.147	.146	.145	.144
18000	.156	.154	.153	.152	.151	.150	.149	.147	.146	.145	.144	.143	.142	.141	.140	.139
19000	.150	.149	.148	.147	.146	.145	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134
20000	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130
21000	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125
22000	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120
23000	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.117
24000	.126	.125	.124	.123	.122	.121	.120	.119	.119	.118	.117	.116	.115	.114	.113	.113
25000	.122	.121	.120	.119	.118	.117	.116	.115	.114	.114	.113	.112	.111	.110	.109	.108
26000	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.109	.108	.107	.106	.105	.105
27000	.114	.113	.112	.111	.110	.109	.108	.107	.106	.106	.105	.104	.103	.102	.101	.101
28000	.110	.109	.108	.107	.106	.105	.104	.103	.103	.102	.101	.100	.099	.098	.098	.097
29000	.106	.105	.104	.103	.102	.101	.101	.100	.099	.098	.097	.096	.096	.095	.094	.093
30000	.102	.101	.100	.099	.099	.098	.097	.096	.095	.094	.094	.093	.092	.091	.090	.090
31000	.099	.098	.097	.096	.095	.094	.093	.093	.092	.091	.090	.089	.088	.088	.087	.086
32000	.095	.094	.093	.092	.092	.091	.090	.089	.088	.087	.087	.086	.085	.084	.083	.083
37000	.079	.078	.077	.077	.076	.075	.074	.073	.072	.071	.071	.070	.069	.068	.067	.066
42000	.065	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051
47000	.053	.052	.051	.050	.049	.048	.047	.046	.044	.043	.042	.041	.040	.039	.037	.036
52000	.042	.041	.040	.038	.037	.036	.034	.033	.031	.030	.028	.026	.025	.023	.021	.019
57000	.032	.030	.028	.027	.025	.023	.021	.018	.000	.000	.000	.000	.000	.000	.000	.000
62000	.021	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
67000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA= 40.0 DEGREES DELTA= 20.0 DEGREES

RP RA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.273															
1800	.271	.268														
1900	.270	.266	.263													
2000	.268	.264	.261	.257												
2100	.266	.262	.259	.256	.253											
2200	.264	.261	.257	.254	.251	.248										
2300	.262	.259	.256	.252	.249	.246	.243									
2400	.261	.257	.254	.251	.248	.245	.242	.239								
2500	.259	.256	.252	.249	.246	.243	.240	.237	.235							
2600	.257	.254	.251	.248	.245	.242	.239	.236	.233	.230						
2700	.255	.252	.249	.246	.243	.240	.237	.234	.232	.229	.226	.222				
2800	.254	.251	.247	.244	.241	.239	.236	.233	.230	.228	.225	.222	.219			
2900	.252	.249	.246	.243	.240	.237	.234	.232	.229	.226	.224	.221	.218	.215		
3000	.250	.247	.244	.241	.238	.236	.233	.230	.227	.225	.222	.220	.217	.215	.211	.208
3100	.249	.246	.243	.240	.237	.234	.231	.229	.226	.223	.221	.218	.216	.214	.211	.208
3200	.247	.244	.241	.238	.235	.233	.230	.227	.225	.222	.220	.217	.215	.212	.210	.208
3400	.244	.241	.238	.235	.232	.230	.227	.224	.222	.219	.217	.215	.212	.210	.207	.205
3600	.241	.238	.235	.232	.229	.227	.224	.222	.219	.217	.214	.212	.210	.207	.205	.203
3800	.238	.235	.232	.229	.227	.224	.221	.219	.216	.214	.212	.209	.207	.205	.203	.201
4000	.235	.232	.229	.226	.224	.221	.219	.216	.214	.211	.209	.207	.205	.202	.200	.198
4200	.232	.229	.226	.223	.221	.218	.216	.213	.211	.209	.206	.204	.202	.200	.198	.196
4400	.229	.226	.223	.220	.218	.215	.213	.211	.208	.206	.204	.202	.199	.197	.195	.193
4600	.225	.223	.220	.218	.215	.213	.210	.208	.206	.203	.201	.199	.197	.195	.193	.191
4800	.222	.220	.217	.215	.212	.210	.208	.205	.203	.201	.199	.196	.194	.192	.190	.188
5000	.219	.217	.214	.212	.209	.207	.205	.203	.200	.198	.196	.194	.192	.190	.188	.186
5200	.216	.214	.211	.209	.207	.204	.202	.200	.198	.195	.193	.191	.189	.187	.185	.184
5400	.214	.211	.209	.206	.204	.202	.199	.197	.195	.193	.191	.189	.187	.185	.183	.181
5600	.211	.208	.206	.203	.201	.199	.197	.194	.192	.190	.188	.186	.184	.182	.180	.179
5800	.208	.205	.203	.201	.198	.196	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176
6000	.205	.202	.200	.198	.195	.193	.191	.189	.187	.185	.183	.181	.179	.177	.176	.174
6200	.202	.199	.197	.195	.193	.191	.188	.186	.184	.182	.180	.179	.177	.175	.173	.171
6400	.199	.197	.194	.192	.190	.188	.186	.184	.182	.180	.178	.176	.174	.172	.171	.169
6600	.196	.194	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173	.172	.170	.168	.166
6800	.193	.191	.189	.186	.184	.182	.180	.178	.176	.174	.173	.171	.169	.167	.165	.164
7000	.190	.188	.186	.184	.182	.179	.178	.176	.174	.172	.170	.168	.166	.165	.163	.161
7200	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.166	.164	.162	.160	.159
7400	.184	.182	.180	.178	.176	.174	.172	.170	.168	.166	.164	.162	.161	.160	.158	.156
7600	.181	.179	.177	.175	.173	.171	.169	.167	.166	.164	.162	.160	.159	.157	.155	.154
7800	.179	.176	.174	.172	.170	.168	.167	.165	.163	.161	.159	.158	.156	.154	.153	.151
8000	.176	.174	.172	.170	.168	.166	.164	.162	.160	.158	.157	.155	.153	.152	.150	.149
8500	.168	.166	.164	.163	.161	.159	.157	.155	.153	.152	.150	.148	.147	.145	.144	.142
9000	.161	.159	.157	.155	.154	.152	.150	.148	.147	.145	.143	.142	.140	.138	.137	.135
9500	.154	.152	.150	.148	.146	.145	.143	.141	.140	.138	.136	.135	.133	.132	.130	.129
10000	.147	.145	.143	.141	.139	.138	.136	.134	.133	.131	.129	.128	.126	.125	.123	.122
10500	.139	.138	.136	.134	.132	.130	.129	.127	.125	.124	.122	.121	.119	.118	.116	.115
11000	.132	.130	.128	.127	.125	.123	.121	.120	.118	.116	.115	.113	.112	.110	.109	.107
11500	.125	.123	.121	.119	.117	.116	.114	.112	.110	.109	.107	.106	.104	.103	.101	.100
12000	.117	.115	.113	.111	.110	.108	.106	.104	.103	.101	.100	.098	.096	.095	.093	.092
12500	.109	.107	.105	.103	.102	.100	.098	.096	.095	.093	.091	.090	.088	.087	.085	.084
13000	.101	.099	.097	.095	.093	.092	.090	.088	.086	.084	.083	.081	.079	.078	.076	.075
13500	.093	.091	.089	.087	.085	.083	.081	.079	.077	.075	.074	.072	.070	.068	.067	.065
14000	.084	.082	.080	.078	.076	.074	.072	.070	.067	.065	.063	.061	.060	.058	.056	.054
14500	.075	.073	.070	.068	.066	.063	.061	.059	.057	.054	.052	.050	.047	.045	.043	.040
15000	.065	.063	.060	.057	.055	.052	.049	.046	.044	.041	.038	.035	.031	.028	.000	.000
15500	.054	.051	.048	.045	.041	.038	.034	.030	.000	.000	.000	.000	.000	.000	.000	.000
16000	.041	.037	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
17000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

ETA= 40.0 DEGREES DELTA= 30.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.249															
1800	.246	.243														
1900	.243	.240	.237													
2000	.240	.237	.234	.231												
2100	.238	.234	.231	.228	.225											
2200	.235	.231	.228	.225	.222	.219										
2300	.232	.229	.225	.222	.219	.216	.214									
2400	.229	.226	.223	.220	.217	.214	.211	.208								
2500	.226	.223	.220	.217	.214	.211	.208	.206	.203							
2600	.223	.220	.217	.214	.211	.208	.206	.203	.200	.198						
2700	.221	.218	.214	.212	.209	.206	.203	.200	.198	.195	.193					
2800	.218	.215	.212	.209	.206	.203	.201	.198	.195	.193	.190	.188				
2900	.215	.212	.209	.206	.203	.201	.198	.195	.193	.190	.188	.185	.183			
3000	.212	.209	.206	.203	.201	.198	.195	.193	.190	.188	.185	.183	.181	.178		
3100	.209	.206	.203	.201	.198	.195	.193	.190	.188	.185	.183	.180	.178	.176	.174	
3200	.206	.204	.201	.198	.195	.193	.190	.187	.185	.183	.180	.178	.176	.174	.171	.169
3400	.201	.198	.195	.192	.190	.187	.185	.182	.180	.177	.175	.173	.171	.169	.166	.164
3600	.195	.192	.189	.187	.184	.182	.179	.177	.174	.172	.170	.168	.166	.163	.161	.159
3800	.189	.186	.184	.181	.179	.176	.174	.171	.169	.167	.165	.162	.160	.158	.156	.154
4000	.183	.181	.178	.175	.173	.170	.168	.166	.163	.161	.159	.157	.155	.153	.151	.149
4200	.177	.175	.172	.169	.167	.165	.162	.160	.158	.156	.153	.151	.149	.147	.146	.144
4400	.171	.168	.166	.163	.161	.159	.156	.154	.152	.150	.148	.146	.144	.142	.140	.138
4600	.165	.162	.160	.157	.155	.153	.150	.148	.146	.144	.142	.140	.138	.136	.134	.132
4800	.159	.156	.153	.151	.149	.146	.144	.142	.140	.138	.136	.134	.132	.130	.128	.126
5000	.152	.150	.147	.145	.142	.140	.138	.136	.134	.132	.130	.128	.126	.124	.122	.120
5200	.145	.143	.140	.138	.136	.133	.131	.129	.127	.125	.123	.121	.119	.117	.116	.114
5400	.138	.136	.134	.131	.129	.127	.124	.122	.120	.118	.116	.114	.112	.111	.109	.107
5600	.131	.129	.126	.124	.122	.119	.117	.115	.113	.111	.109	.107	.105	.103	.102	.100
5800	.124	.121	.119	.117	.114	.112	.110	.108	.105	.103	.101	.099	.098	.096	.094	.092
6000	.116	.114	.111	.109	.106	.104	.102	.100	.097	.095	.093	.091	.089	.088	.086	.084
6200	.108	.105	.103	.100	.098	.096	.093	.091	.089	.087	.085	.083	.081	.079	.077	.075
6400	.099	.097	.094	.092	.089	.087	.084	.082	.079	.077	.075	.073	.071	.069	.067	.065
6600	.090	.087	.085	.082	.079	.077	.074	.071	.069	.067	.064	.062	.059	.057	.055	.052
6800	.080	.077	.074	.071	.068	.065	.062	.060	.057	.054	.051	.048	.045	.043	.040	.037
7000	.068	.065	.062	.058	.055	.052	.048	.045	.041	.037	.034	.029	.025	.020	.000	.000
7200	.055	.051	.047	.042	.038	.033	.028	.000	.000	.000	.000	.000	.000	.000	.000	.000
7400	.037	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7600	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

ETA= 40.0 DEGREES DELTA= 40.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.204															
1800	.199	.195														
1900	.193	.190	.187													
2000	.188	.185	.182	.179												
2100	.182	.179	.176	.173	.170											
2200	.177	.174	.171	.168	.165	.162										
2300	.171	.168	.165	.162	.159	.156	.154									
2400	.165	.162	.159	.156	.153	.151	.148	.146								
2500	.159	.156	.153	.150	.148	.145	.142	.140	.137							
2600	.153	.150	.147	.144	.141	.139	.136	.134	.131	.129						
2700	.147	.144	.141	.138	.135	.132	.130	.127	.125	.123	.120					
2800	.140	.137	.134	.131	.129	.126	.123	.121	.118	.116	.114	.112				
2900	.133	.130	.127	.124	.122	.119	.116	.114	.112	.109	.107	.105	.103			
3000	.126	.123	.120	.117	.114	.112	.109	.107	.104	.102	.100	.097	.095	.093		
3100	.118	.115	.112	.109	.107	.104	.101	.099	.096	.094	.092	.090	.087	.085	.083	
3200	.110	.107	.104	.101	.098	.096	.093	.090	.088	.086	.083	.081	.079	.077	.074	.072
3400	.092	.089	.086	.083	.080	.077	.074	.071	.068	.065	.063	.060	.058	.055	.053	.050
3600	.070	.066	.063	.059	.055	.051	.047	.044	.040	.036	.031	.027	.022	.016	.005	.000
3800	.037	.031	.023	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

ETA= 40.0 DEGREES DELTA= 50.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.096															
1800	.077	.072														
1900	.051	.045	.040													
2000	.000	.000	.000	.000												

G-247

BETA= 60.0 DEGREES DELTA= 0.0 DEGREES

RA*	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.290															
1800	.288	.285														
1900	.286	.283	.280													
2000	.285	.281	.278	.275												
2100	.283	.280	.277	.274	.271											
2200	.281	.278	.275	.272	.270	.267										
2300	.280	.277	.274	.271	.268	.265	.263									
2400	.278	.275	.272	.270	.267	.264	.261	.259								
2500	.277	.274	.271	.268	.265	.263	.260	.258	.255							
2600	.275	.272	.270	.267	.264	.261	.259	.256	.254	.251						
2700	.274	.271	.268	.265	.263	.260	.258	.255	.253	.250	.248					
2800	.272	.270	.267	.264	.262	.259	.256	.254	.251	.249	.247	.244				
2900	.271	.268	.266	.263	.260	.258	.255	.253	.250	.248	.246	.243	.241			
3000	.270	.267	.264	.262	.259	.256	.254	.252	.249	.247	.245	.242	.240	.238		
3100	.268	.266	.263	.260	.258	.255	.253	.250	.248	.246	.244	.241	.239	.237	.235	
3200	.267	.264	.262	.259	.257	.254	.252	.249	.247	.245	.242	.240	.238	.236	.234	.232
3400	.264	.262	.259	.257	.254	.252	.249	.247	.245	.243	.240	.238	.236	.234	.232	.230
3600	.262	.259	.257	.254	.252	.250	.247	.245	.243	.241	.238	.236	.234	.232	.230	.228
3800	.259	.257	.254	.252	.250	.247	.245	.243	.241	.239	.236	.234	.232	.230	.228	.226
4000	.257	.254	.252	.250	.247	.245	.243	.241	.239	.237	.234	.232	.230	.229	.227	.225
4200	.255	.252	.250	.248	.245	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.223
4400	.252	.250	.248	.245	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.223	.221
4600	.248	.245	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.223	.222	.220	.218
4800	.245	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.223	.222	.220	.218	.216
5000	.243	.241	.239	.237	.235	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215
5200	.241	.239	.237	.235	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.213
5400	.239	.237	.235	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.213	.212
5600	.237	.235	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.213	.212	.210
5800	.235	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.214	.212	.210	.209
6000	.233	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.214	.212	.210	.209	.207
6200	.231	.229	.227	.225	.224	.222	.220	.218	.217	.215	.214	.212	.210	.209	.207	.206
6400	.229	.227	.225	.224	.222	.220	.218	.217	.215	.214	.212	.210	.209	.207	.206	.204
6600	.227	.225	.224	.222	.220	.218	.217	.215	.214	.212	.210	.209	.207	.206	.204	.203
6800	.225	.223	.222	.220	.218	.217	.215	.213	.212	.210	.209	.207	.206	.204	.203	.202
7000	.223	.222	.220	.218	.217	.215	.213	.212	.210	.209	.207	.206	.204	.203	.201	.200
7200	.222	.220	.218	.217	.215	.213	.212	.210	.209	.207	.206	.204	.203	.201	.200	.199
7400	.220	.218	.216	.215	.213	.212	.210	.209	.207	.206	.204	.203	.201	.200	.199	.197
7600	.218	.216	.215	.213	.212	.210	.209	.207	.206	.204	.203	.201	.200	.199	.197	.196
7800	.216	.215	.213	.211	.210	.208	.207	.206	.204	.203	.201	.200	.199	.197	.196	.195
8000	.212	.210	.209	.207	.206	.205	.203	.202	.200	.199	.198	.196	.195	.194	.193	.191
8500	.208	.206	.205	.203	.202	.201	.199	.198	.197	.196	.194	.193	.192	.191	.189	.188
9000	.204	.202	.201	.200	.198	.197	.196	.195	.193	.192	.191	.190	.188	.187	.186	.185
9500	.200	.199	.197	.196	.195	.193	.192	.191	.190	.189	.188	.186	.185	.184	.183	.182
10000	.196	.195	.194	.192	.191	.190	.189	.188	.187	.185	.184	.183	.182	.181	.180	.179
11000	.192	.191	.190	.189	.188	.187	.186	.184	.183	.182	.181	.180	.179	.178	.177	.176
11500	.189	.188	.187	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173
12000	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.171
12500	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.170	.169	.168
13000	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.169	.168	.167	.166	.165
13500	.176	.175	.174	.173	.172	.171	.170	.169	.168	.168	.167	.166	.165	.164	.163	.163
14000	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.161	.160	.160
14500	.170	.169	.168	.167	.166	.165	.165	.164	.163	.162	.161	.161	.160	.159	.158	.158
15000	.167	.166	.165	.164	.163	.163	.162	.161	.160	.160	.159	.158	.157	.156	.155	.155
15500	.164	.163	.162	.162	.161	.160	.159	.159	.158	.157	.156	.155	.154	.153	.152	.151
16000	.161	.160	.160	.159	.158	.157	.157	.156	.155	.155	.154	.153	.153	.152	.151	.151
17000	.156	.155	.155	.154	.153	.153	.152	.151	.151	.150	.149	.149	.148	.148	.147	.146
18000	.151	.150	.150	.149	.148	.148	.147	.147	.146	.145	.145	.144	.144	.143	.143	.142
19000	.146	.146	.145	.144	.144	.143	.143	.142	.142	.141	.141	.140	.140	.139	.139	.138
20000	.142	.141	.141	.140	.140	.139	.139	.138	.138	.137	.137	.136	.136	.135	.135	.134
21000	.137	.137	.136	.136	.136	.135	.135	.134	.134	.133	.133	.132	.132	.131	.131	.131
22000	.133	.133	.132	.132	.132	.131	.131	.130	.130	.130	.129	.129	.128	.128	.127	.127
23000	.129	.129	.129	.128	.128	.128	.127	.127	.126	.126	.126	.125	.125	.124	.124	.124
24000	.126	.125	.125	.125	.124	.124	.124	.123	.123	.123	.122	.122	.122	.121	.121	.121
25000	.122	.122	.122	.121	.121	.121	.120	.120	.120	.119	.119	.119	.118	.118	.118	.117
26000	.119	.119	.118	.118	.118	.117	.117	.117	.116	.116	.116	.115	.115	.115	.115	.114
27000	.116	.115	.115	.115	.115	.114	.114	.114	.113	.113	.113	.112	.112	.112	.112	.112
28000	.113	.112	.112	.112	.112	.111	.111	.111	.110	.110	.110	.110	.109	.109	.109	.109
29000	.110	.109	.109	.109	.109	.109	.108	.108	.108	.108	.107	.107	.107	.107	.106	.106
30000	.107	.107	.106	.106	.106	.106	.106	.105	.105	.105	.105	.105	.104	.104	.104	.104
31000	.104	.104	.104	.104	.103	.103	.103	.103	.103	.102	.102	.102	.102	.102	.102	.101
32000	.102	.101	.101	.101	.101	.101	.101	.100	.100	.100	.100	.100	.100	.099	.099	.099
37000	.090	.090	.090	.090	.090	.090	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089
42000	.081	.081	.081	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080
47000	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.072	.072	.072
52000	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066
57000	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.061	.061	.061	.061	.061	.061
62000	.055	.055	.055	.055	.055	.055	.055	.056	.056	.056	.056	.056	.056	.056	.056	.056
67000	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051
72000	.047	.047	.047	.047	.047	.047	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048
77000	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.045	.045	.045
82000	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041

G-247

BETA= 60.0 DEGREES DELTA= 10.0 DEGREES

RP KA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.286															
1800	.284	.281														
1900	.282	.279	.276													
2000	.280	.277	.274	.271												
2100	.279	.276	.272	.270	.267											
2200	.277	.274	.271	.268	.265	.262										
2300	.275	.272	.269	.266	.264	.261	.258	.255	.253	.250						
2400	.274	.271	.268	.265	.262	.259	.257	.254	.251	.249						
2500	.272	.269	.266	.263	.261	.258	.255	.253	.250	.248	.246	.244				
2600	.271	.268	.265	.262	.259	.257	.254	.251	.249	.246	.244	.242	.239			
2700	.269	.266	.263	.261	.258	.255	.253	.250	.248	.245	.243	.242	.239	.236		
2800	.267	.265	.262	.259	.256	.253	.251	.249	.246	.244	.242	.239	.237	.235	.233	
2900	.266	.263	.260	.258	.255	.253	.250	.248	.246	.244	.242	.239	.237	.235	.233	.229
3000	.265	.262	.259	.256	.254	.251	.249	.246	.244	.242	.239	.237	.235	.233	.230	.228
3100	.263	.260	.258	.255	.252	.250	.247	.245	.243	.240	.238	.236	.234	.231	.228	.226
3200	.262	.259	.256	.254	.251	.249	.246	.244	.241	.239	.237	.235	.233	.230	.228	.226
3400	.259	.256	.254	.251	.249	.246	.244	.241	.239	.237	.235	.232	.230	.228	.226	.224
3600	.256	.253	.251	.248	.246	.244	.241	.239	.237	.235	.232	.230	.228	.226	.224	.222
3800	.253	.251	.248	.246	.244	.241	.239	.237	.235	.232	.230	.228	.226	.224	.222	.220
4000	.251	.248	.246	.243	.241	.239	.237	.234	.232	.230	.228	.226	.224	.222	.220	.218
4200	.248	.246	.243	.241	.239	.237	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216
4400	.246	.243	.241	.239	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.215
4600	.243	.241	.239	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.213
4800	.241	.238	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.213	.211
5000	.238	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.213	.211	.209
5200	.236	.234	.232	.230	.228	.226	.224	.222	.220	.218	.216	.214	.212	.211	.209	.207
5400	.234	.232	.229	.227	.225	.223	.222	.220	.218	.216	.214	.212	.211	.209	.207	.206
5600	.231	.229	.227	.225	.223	.221	.219	.218	.216	.214	.212	.211	.209	.207	.205	.204
5800	.229	.227	.225	.223	.221	.219	.217	.216	.214	.212	.210	.209	.207	.205	.204	.202
6000	.227	.225	.223	.221	.219	.217	.216	.214	.212	.210	.209	.207	.205	.204	.202	.200
6200	.225	.223	.221	.219	.217	.215	.214	.212	.210	.208	.207	.205	.203	.202	.200	.199
6400	.223	.221	.219	.217	.215	.213	.212	.210	.208	.207	.205	.203	.202	.200	.199	.197
6600	.221	.219	.217	.215	.213	.212	.210	.208	.206	.205	.203	.202	.200	.198	.197	.195
6800	.219	.217	.215	.213	.211	.210	.208	.206	.205	.203	.201	.200	.198	.197	.195	.194
7000	.216	.215	.213	.211	.209	.208	.206	.204	.203	.201	.200	.198	.197	.195	.194	.192
7200	.214	.213	.211	.209	.208	.206	.204	.203	.201	.200	.198	.197	.195	.194	.192	.191
7400	.212	.211	.209	.207	.206	.204	.202	.201	.199	.198	.196	.195	.193	.192	.191	.189
7600	.211	.209	.207	.205	.204	.202	.201	.199	.198	.196	.195	.193	.192	.190	.189	.188
7800	.209	.207	.205	.204	.202	.200	.199	.197	.196	.194	.193	.192	.190	.189	.187	.186
8000	.207	.205	.203	.202	.200	.199	.197	.196	.194	.193	.191	.190	.189	.187	.186	.185
8500	.202	.200	.199	.197	.196	.194	.193	.192	.190	.189	.187	.186	.185	.183	.182	.181
9000	.198	.196	.195	.193	.192	.190	.189	.188	.186	.185	.184	.182	.181	.180	.178	.177
9500	.193	.192	.190	.189	.188	.186	.185	.184	.182	.181	.180	.179	.177	.176	.175	.174
10000	.189	.188	.186	.185	.184	.182	.181	.180	.179	.177	.176	.175	.174	.173	.171	.170
10500	.185	.184	.182	.181	.180	.179	.177	.176	.175	.174	.173	.171	.170	.169	.168	.167
11000	.181	.180	.178	.177	.176	.175	.174	.173	.171	.170	.169	.168	.167	.166	.165	.164
11500	.177	.176	.175	.174	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161
12000	.174	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.160	.159	.158	.158
12500	.170	.169	.168	.167	.166	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.155
13000	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.153	.152
13500	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.151	.150	.149
14000	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.149	.148	.147	.146
14500	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.144	.143
15000	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.141	.141
15500	.151	.150	.149	.148	.147	.146	.145	.144	.144	.143	.142	.141	.140	.140	.139	.138
16000	.148	.147	.146	.145	.144	.143	.143	.142	.141	.140	.139	.139	.138	.137	.136	.136
17000	.142	.141	.141	.140	.139	.138	.137	.137	.136	.135	.134	.134	.133	.132	.131	.131
18000	.137	.136	.135	.135	.134	.133	.132	.132	.131	.130	.130	.129	.128	.127	.127	.126
19000	.132	.131	.130	.130	.129	.128	.128	.127	.126	.126	.125	.124	.124	.123	.122	.122
20000	.127	.127	.126	.125	.125	.124	.123	.123	.122	.121	.121	.120	.119	.119	.118	.118
21000	.123	.122	.122	.121	.120	.120	.119	.118	.118	.117	.117	.116	.115	.115	.114	.114
22000	.119	.118	.117	.117	.116	.116	.115	.114	.114	.113	.113	.112	.112	.111	.110	.110
23000	.115	.114	.113	.113	.112	.112	.111	.111	.110	.110	.109	.108	.108	.107	.107	.106
24000	.111	.110	.110	.109	.109	.108	.108	.107	.106	.106	.105	.105	.104	.104	.103	.103
25000	.107	.107	.106	.106	.105	.105	.104	.104	.103	.103	.102	.102	.101	.101	.100	.100
26000	.104	.103	.103	.102	.102	.101	.101	.100	.100	.099	.099	.098	.098	.097	.097	.096
27000	.101	.100	.100	.099	.099	.098	.098	.097	.097	.096	.096	.095	.095	.094	.094	.093
28000	.097	.097	.097	.096	.096	.095	.095	.094	.094	.093	.093	.092	.092	.091	.091	.091
29000	.094	.094	.094	.093	.093	.092	.092	.091	.091	.090	.090	.089	.089	.088	.088	.088
30000	.092	.091	.091	.090	.090	.089	.089	.088	.088	.088	.087	.087	.087	.086	.086	.085
31000	.089	.089	.088	.088	.087	.087	.086	.086	.086	.085	.085	.084	.084	.084	.083	.083
32000	.086	.086	.086	.085	.085	.084	.084	.084	.083	.083	.082	.082	.082	.081	.081	.080
37000	.075	.075	.074	.074	.074	.073	.073	.073	.072	.072	.072	.071	.071	.071	.070	.070
42000	.066	.066	.065	.065	.065	.064	.064	.064	.063	.063	.063	.062	.062	.062	.061	.061
47000	.059	.058	.058	.058	.057	.057	.057	.056	.056	.056	.055	.055	.055	.055	.054	.054
52000	.052	.052	.052	.051	.051	.051	.051	.050	.050	.050	.049	.049	.049	.049	.048	.048
57000	.047	.047	.047	.046	.046	.046	.045	.045	.045	.045	.044	.044	.044	.044	.043	.043
62000	.043	.042	.042	.042	.042	.041	.041	.041	.041	.040	.040	.040	.039	.039	.039	.039
67000	.039	.039	.038	.038	.038	.038	.037	.037	.037	.036	.036	.036	.036	.036	.035	.035
72000	.035	.035	.035	.035	.035	.034	.034	.034	.034	.033	.033	.033	.033	.033	.032	.032
77000	.033	.032	.032	.032	.032	.032	.031	.031	.031	.031	.030	.030	.030	.030	.029	.029
82000	.030	.030	.030	.029	.029	.029	.029	.029	.028	.028	.028	.028	.027	.027	.027	.027

G-247

BETA= 60.0 DEGREES DELTA= 30.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.249															
1800	.246	.243														
1900	.243	.240	.237													
2000	.240	.237	.234	.231												
2100	.237	.234	.231	.228	.225											
2200	.234	.231	.228	.225	.222	.219										
2300	.232	.228	.225	.222	.219	.216	.214									
2400	.229	.226	.223	.220	.217	.214	.211	.208								
2500	.226	.223	.220	.217	.214	.211	.208	.206	.203							
2600	.223	.220	.217	.214	.211	.208	.206	.203	.200	.198						
2700	.221	.217	.214	.212	.209	.206	.203	.200	.198	.195	.193					
2800	.218	.215	.212	.209	.206	.203	.201	.198	.195	.193	.190	.188				
2900	.215	.212	.209	.206	.203	.201	.198	.195	.193	.190	.188	.186	.183			
3000	.213	.210	.207	.204	.201	.198	.195	.193	.190	.188	.185	.183	.181	.178		
3100	.210	.207	.204	.201	.198	.196	.193	.190	.188	.185	.183	.181	.178	.176	.174	
3200	.207	.204	.201	.199	.196	.193	.190	.188	.185	.183	.181	.178	.176	.174	.172	.169
3400	.202	.199	.196	.193	.191	.188	.185	.183	.180	.178	.176	.173	.171	.169	.167	.165
3600	.197	.194	.191	.188	.186	.183	.181	.178	.176	.173	.171	.169	.166	.164	.162	.160
3800	.192	.189	.186	.183	.181	.178	.176	.173	.171	.168	.166	.164	.161	.159	.157	.155
4000	.187	.184	.181	.178	.176	.173	.171	.168	.166	.163	.161	.159	.157	.155	.152	.150
4200	.182	.179	.176	.173	.171	.168	.166	.163	.161	.159	.156	.154	.152	.150	.148	.146
4400	.177	.174	.171	.169	.166	.163	.161	.158	.156	.154	.151	.149	.147	.145	.143	.141
4600	.172	.169	.166	.164	.161	.158	.156	.154	.151	.149	.147	.144	.142	.140	.138	.136
4800	.167	.164	.161	.159	.156	.154	.151	.149	.146	.144	.142	.139	.137	.135	.133	.131
5000	.162	.159	.156	.154	.151	.149	.146	.144	.141	.139	.137	.134	.132	.130	.128	.126
5200	.157	.154	.152	.149	.146	.144	.141	.139	.136	.134	.132	.129	.127	.125	.123	.121
5400	.152	.149	.147	.144	.141	.139	.136	.134	.131	.129	.127	.124	.122	.120	.118	.116
5600	.147	.145	.142	.139	.137	.134	.131	.129	.126	.124	.122	.119	.117	.115	.113	.111
5800	.143	.140	.137	.134	.132	.129	.126	.124	.121	.119	.117	.114	.112	.110	.107	.105
6000	.138	.135	.132	.129	.127	.124	.121	.119	.116	.114	.111	.109	.107	.104	.102	.100
6200	.133	.130	.127	.124	.122	.119	.116	.114	.111	.109	.106	.104	.101	.099	.096	.094
6400	.128	.125	.122	.119	.117	.114	.111	.109	.106	.103	.101	.098	.096	.093	.091	.088
6600	.123	.120	.117	.114	.112	.109	.106	.103	.101	.098	.095	.093	.090	.087	.085	.082
6800	.118	.115	.112	.109	.106	.104	.101	.098	.095	.092	.090	.087	.084	.081	.079	.076
7000	.113	.110	.107	.104	.101	.098	.095	.092	.089	.087	.084	.081	.078	.075	.072	.069
7200	.109	.105	.102	.099	.096	.093	.090	.087	.084	.081	.078	.075	.072	.068	.065	.062
7400	.104	.100	.097	.094	.090	.087	.084	.081	.078	.074	.071	.068	.065	.061	.058	.054
7600	.099	.095	.092	.088	.085	.082	.078	.075	.071	.068	.064	.061	.057	.053	.050	.046
7800	.093	.090	.086	.083	.079	.076	.072	.068	.065	.061	.057	.053	.049	.045	.040	.035
8000	.088	.084	.081	.077	.073	.069	.065	.062	.057	.053	.049	.044	.039	.034	.027	.020
8500	.074	.070	.066	.061	.057	.052	.047	.041	.035	.030	.026	.020	.014	.008	.002	.000
9000	.059	.054	.048	.042	.036	.030	.024	.018	.012	.006	.000	.000	.000	.000	.000	.000
9500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 60.0 DEGREES DELTA= 40.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.204															
1800	.199	.195														
1900	.194	.190	.187													
2000	.189	.186	.182	.179												
2100	.184	.181	.177	.174	.170											
2200	.179	.176	.172	.169	.165	.162										
2300	.174	.171	.167	.164	.160	.157	.154									
2400	.169	.166	.162	.159	.155	.152	.149	.146								
2500	.164	.161	.157	.153	.150	.147	.143	.140	.137							
2600	.159	.155	.152	.148	.145	.141	.138	.135	.132	.129						
2700	.154	.150	.147	.143	.139	.136	.133	.130	.126	.123	.120					
2800	.149	.145	.141	.138	.134	.131	.127	.124	.121	.118	.115	.112				
2900	.143	.140	.136	.132	.129	.125	.122	.118	.115	.112	.109	.106	.103			
3000	.138	.134	.130	.126	.123	.119	.116	.112	.109	.106	.103	.099	.096	.093		
3100	.132	.128	.125	.121	.117	.113	.110	.106	.103	.099	.096	.093	.090	.086	.083	
3200	.127	.123	.119	.115	.111	.107	.104	.100	.096	.093	.089	.086	.082	.079	.076	.072
3400	.115	.111	.107	.102	.098	.094	.090	.086	.082	.078	.074	.070	.066	.062	.058	.054
3600	.103	.098	.093	.089	.084	.079	.075	.070	.065	.061	.056	.051	.045	.040	.033	.026
3800	.089	.084	.078	.073	.068	.062	.056	.050	.044	.037	.028	.017	.000	.000	.000	.000
4000	.074	.067	.061	.054	.047	.039	.029	.020	.000	.000	.000	.000	.000	.000	.000	.000
4200	.055	.046	.037	.030	.022	.014	.006	.000	.000	.000	.000	.000	.000	.000	.000	.000
4400	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA= 60.0 DEGREES DELTA= 50.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.096															
1800	.080	.072														
1900	.060	.050	.040													
2000	.030	.020	.010	.000												
2100	.000	.000	.000	.000	.000											

BETA= 60.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.273															
1800	.271	.268														
1900	.269	.266	.263													
2000	.267	.264	.261	.257												
2100	.265	.262	.259	.255	.253											
2200	.263	.260	.257	.254	.251	.248										
2300	.261	.258	.255	.252	.249	.246	.243									
2400	.259	.256	.253	.250	.247	.244	.241	.239								
2500	.257	.254	.251	.248	.245	.242	.240	.237	.235							
2600	.255	.252	.249	.246	.243	.241	.238	.235	.233	.230						
2700	.253	.250	.247	.244	.242	.239	.236	.234	.231	.229	.226					
2800	.251	.248	.245	.243	.240	.237	.235	.232	.230	.227	.225	.222				
2900	.249	.246	.244	.241	.238	.236	.233	.230	.228	.226	.223	.221	.219			
3000	.247	.245	.242	.239	.236	.234	.231	.229	.226	.224	.222	.219	.217	.215		
3100	.246	.243	.240	.237	.235	.232	.230	.227	.225	.222	.220	.218	.216	.214	.211	
3200	.244	.241	.238	.236	.233	.231	.228	.226	.223	.221	.219	.216	.214	.212	.210	.208
3400	.240	.238	.235	.232	.230	.227	.225	.223	.220	.218	.216	.213	.211	.209	.207	.205
3600	.237	.234	.232	.229	.227	.224	.222	.219	.217	.215	.213	.211	.208	.206	.204	.202
3800	.234	.231	.228	.226	.223	.221	.219	.216	.214	.212	.210	.208	.206	.204	.202	.200
4000	.230	.228	.225	.223	.220	.218	.216	.213	.211	.209	.207	.205	.203	.201	.199	.197
4200	.227	.224	.222	.220	.217	.215	.213	.210	.208	.206	.204	.202	.200	.198	.196	.194
4400	.224	.221	.219	.217	.214	.212	.210	.208	.205	.203	.201	.199	.197	.195	.194	.192
4600	.221	.218	.216	.214	.211	.209	.207	.205	.203	.201	.199	.197	.195	.193	.191	.189
4800	.218	.215	.213	.211	.208	.206	.204	.202	.200	.198	.196	.194	.192	.190	.188	.187
5000	.214	.212	.210	.208	.205	.203	.201	.199	.197	.195	.193	.191	.189	.188	.186	.184
5200	.211	.209	.207	.205	.203	.200	.198	.196	.194	.192	.191	.189	.187	.185	.183	.182
5400	.209	.206	.204	.202	.200	.198	.196	.194	.192	.190	.188	.186	.184	.183	.181	.179
5600	.206	.203	.201	.199	.197	.195	.193	.191	.189	.187	.185	.184	.182	.180	.178	.177
5800	.203	.201	.198	.196	.194	.192	.190	.188	.186	.185	.183	.181	.179	.178	.176	.174
6000	.200	.198	.196	.194	.192	.190	.188	.186	.184	.182	.180	.179	.177	.175	.173	.172
6200	.197	.195	.193	.191	.189	.187	.185	.183	.181	.180	.178	.176	.174	.173	.171	.169
6400	.194	.192	.190	.188	.186	.184	.182	.181	.179	.177	.175	.174	.172	.170	.169	.167
6600	.192	.190	.188	.186	.184	.182	.180	.178	.176	.175	.173	.171	.169	.168	.166	.165
6800	.189	.187	.185	.183	.181	.179	.177	.176	.174	.172	.170	.169	.167	.165	.164	.162
7000	.186	.184	.182	.181	.179	.177	.175	.173	.171	.170	.168	.166	.165	.163	.162	.160
7200	.184	.182	.180	.178	.176	.174	.172	.171	.169	.167	.166	.164	.162	.161	.159	.158
7400	.181	.179	.177	.175	.174	.172	.170	.168	.167	.165	.163	.162	.160	.158	.157	.155
7600	.179	.177	.175	.173	.171	.169	.168	.166	.164	.163	.161	.159	.158	.156	.155	.153
7800	.176	.174	.172	.171	.169	.167	.165	.164	.162	.160	.159	.157	.155	.154	.152	.151
8000	.174	.172	.170	.168	.166	.165	.163	.161	.160	.158	.156	.155	.153	.152	.150	.149
8500	.168	.166	.164	.162	.161	.159	.157	.156	.154	.152	.151	.149	.148	.146	.145	.143
9000	.162	.160	.158	.157	.155	.153	.152	.150	.148	.147	.145	.144	.142	.141	.139	.138
9500	.156	.155	.153	.151	.149	.148	.146	.145	.143	.141	.140	.138	.137	.135	.134	.133
10000	.151	.149	.147	.146	.144	.142	.141	.139	.138	.136	.135	.133	.132	.130	.129	.127
10500	.146	.144	.142	.140	.139	.137	.136	.134	.133	.131	.130	.128	.127	.125	.124	.122
11000	.140	.139	.137	.135	.134	.132	.131	.129	.128	.126	.125	.123	.122	.120	.119	.118
11500	.135	.134	.132	.131	.129	.127	.126	.124	.123	.121	.120	.118	.117	.115	.114	.113
12000	.131	.129	.127	.126	.124	.123	.121	.119	.118	.116	.115	.114	.112	.111	.109	.108
12500	.126	.124	.123	.121	.120	.118	.116	.115	.113	.112	.110	.109	.107	.106	.105	.103
13000	.121	.120	.118	.117	.115	.113	.112	.110	.109	.107	.106	.104	.103	.101	.100	.099
13500	.117	.115	.114	.112	.111	.109	.107	.106	.104	.103	.101	.100	.098	.097	.095	.094
14000	.113	.111	.110	.108	.106	.105	.103	.102	.100	.099	.097	.095	.094	.092	.091	.090
14500	.109	.107	.105	.104	.102	.101	.099	.097	.096	.094	.093	.091	.090	.088	.087	.085
15000	.105	.103	.101	.100	.098	.096	.095	.093	.092	.090	.088	.087	.085	.084	.082	.081
15500	.101	.099	.097	.096	.094	.092	.091	.089	.088	.086	.084	.083	.081	.080	.078	.076
16000	.097	.095	.094	.092	.090	.089	.087	.085	.084	.082	.080	.079	.077	.075	.074	.072
17000	.090	.088	.086	.084	.083	.081	.079	.078	.076	.074	.072	.071	.069	.067	.065	.063
18000	.083	.081	.079	.077	.076	.074	.072	.070	.068	.066	.064	.063	.061	.059	.057	.055
19000	.076	.074	.072	.071	.069	.067	.065	.063	.061	.059	.057	.055	.053	.050	.048	.046
20000	.070	.068	.066	.064	.062	.060	.058	.056	.053	.051	.049	.047	.044	.042	.039	.036
21000	.064	.062	.060	.058	.055	.053	.051	.049	.046	.044	.041	.038	.035	.032	.029	.020
22000	.058	.056	.054	.051	.049	.047	.044	.041	.039	.036	.032	.029	.020	.020	.020	.020
23000	.052	.050	.048	.045	.043	.040	.037	.034	.030	.020	.020	.020	.020	.020	.020	.020
24000	.047	.044	.042	.039	.036	.033	.030	.020	.020	.020	.020	.020	.020	.020	.020	.020
25000	.042	.039	.036	.033	.030	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
26000	.036	.033	.030	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
27000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020

G-247

BETA= 80.0 DEGREES DELTA= 0.0 DEGREES

RP KA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.290															
1800	.287	.285														
1900	.285	.282	.280													
2000	.283	.280	.278	.275												
2100	.281	.278	.276	.273	.271											
2200	.279	.276	.274	.271	.269	.267										
2300	.277	.274	.272	.270	.267	.265	.263									
2400	.275	.272	.270	.268	.265	.263	.261	.259								
2500	.273	.271	.268	.266	.264	.261	.259	.257	.255							
2600	.271	.269	.266	.264	.262	.260	.258	.255	.253	.251						
2700	.269	.267	.265	.262	.260	.258	.256	.254	.252	.250	.248					
2800	.267	.265	.263	.261	.258	.256	.254	.252	.250	.248	.246	.244				
2900	.266	.263	.261	.259	.257	.255	.253	.251	.249	.247	.245	.243	.241			
3000	.264	.262	.259	.257	.255	.253	.251	.249	.247	.245	.243	.242	.240	.238		
3100	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	.242	.240	.238	.237	.235	.235
3200	.260	.258	.256	.254	.252	.250	.248	.246	.244	.242	.241	.239	.237	.235	.234	.232
3400	.257	.255	.253	.251	.249	.247	.245	.243	.241	.240	.238	.236	.234	.233	.231	.229
3600	.254	.252	.250	.248	.246	.244	.242	.240	.238	.237	.235	.233	.232	.230	.228	.227
3800	.251	.249	.247	.245	.243	.241	.239	.237	.236	.234	.232	.231	.229	.227	.226	.224
4000	.248	.246	.244	.242	.240	.238	.236	.235	.233	.231	.230	.228	.227	.225	.223	.222
4200	.244	.243	.241	.239	.237	.235	.234	.232	.230	.229	.227	.226	.224	.223	.221	.220
4400	.241	.240	.238	.236	.234	.233	.231	.229	.228	.226	.225	.223	.222	.220	.219	.217
4600	.239	.237	.235	.233	.232	.230	.228	.227	.225	.224	.222	.221	.219	.218	.217	.215
4800	.236	.234	.232	.231	.229	.227	.226	.224	.223	.221	.220	.218	.217	.216	.214	.213
5000	.233	.231	.230	.228	.226	.225	.223	.222	.220	.219	.218	.216	.215	.213	.212	.211
5200	.230	.229	.227	.225	.224	.222	.221	.219	.218	.217	.215	.214	.213	.211	.210	.209
5400	.228	.226	.224	.223	.221	.220	.219	.217	.216	.214	.213	.212	.210	.209	.208	.207
5600	.225	.223	.222	.220	.219	.218	.216	.215	.213	.212	.211	.209	.208	.207	.206	.204
5800	.222	.221	.219	.218	.217	.215	.214	.212	.211	.210	.209	.207	.206	.205	.204	.202
6000	.220	.218	.217	.216	.214	.213	.212	.210	.209	.208	.206	.205	.204	.203	.202	.200
6200	.217	.216	.215	.213	.212	.211	.209	.208	.207	.206	.204	.203	.202	.201	.200	.199
6400	.215	.214	.212	.211	.210	.208	.207	.206	.205	.203	.202	.201	.200	.199	.198	.197
6600	.213	.211	.210	.209	.207	.206	.205	.204	.203	.201	.200	.199	.198	.197	.196	.195
6800	.210	.209	.208	.206	.205	.204	.203	.202	.201	.199	.198	.197	.196	.195	.194	.193
7000	.208	.207	.206	.204	.203	.202	.201	.200	.198	.197	.196	.195	.194	.193	.192	.191
7200	.206	.205	.203	.202	.201	.200	.199	.198	.196	.195	.193	.192	.191	.190	.189	.188
7400	.204	.202	.201	.200	.199	.198	.197	.196	.195	.193	.192	.191	.190	.189	.188	.187
7600	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186
7800	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184
8000	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182
8500	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.182	.181	.180	.179	.178
9000	.187	.186	.185	.184	.183	.183	.182	.181	.180	.179	.178	.177	.177	.176	.175	.174
9500	.183	.182	.181	.180	.179	.178	.177	.177	.176	.175	.174	.173	.173	.172	.171	.170
10000	.178	.177	.176	.176	.175	.174	.173	.172	.172	.171	.170	.169	.169	.168	.167	.167
10500	.174	.173	.172	.171	.171	.170	.169	.168	.168	.167	.166	.166	.165	.164	.164	.163
11000	.170	.169	.168	.168	.167	.166	.165	.165	.164	.163	.163	.162	.161	.161	.160	.159
11500	.166	.165	.164	.164	.163	.162	.162	.161	.160	.160	.159	.159	.158	.157	.157	.156
12000	.162	.161	.161	.160	.159	.159	.158	.157	.157	.156	.156	.155	.155	.154	.153	.153
12500	.158	.158	.157	.156	.156	.155	.155	.154	.154	.153	.153	.152	.152	.151	.151	.150
13000	.155	.154	.154	.153	.152	.152	.151	.151	.150	.150	.149	.149	.148	.148	.147	.147
13500	.151	.151	.150	.150	.149	.149	.148	.148	.147	.147	.146	.146	.145	.145	.144	.144
14000	.148	.147	.147	.146	.146	.145	.145	.145	.144	.144	.143	.143	.142	.142	.141	.141
14500	.145	.144	.144	.143	.143	.142	.142	.142	.141	.141	.140	.140	.139	.139	.139	.138
15000	.142	.141	.141	.140	.140	.140	.139	.139	.138	.138	.137	.137	.137	.136	.136	.135
15500	.139	.138	.138	.138	.137	.137	.136	.136	.136	.135	.135	.134	.134	.134	.133	.133
16000	.136	.136	.135	.135	.134	.134	.134	.133	.133	.132	.132	.132	.131	.131	.131	.130
17000	.130	.130	.130	.129	.129	.129	.128	.128	.128	.127	.127	.127	.127	.126	.126	.126
18000	.125	.125	.125	.124	.124	.124	.124	.123	.123	.123	.122	.122	.122	.122	.121	.121
19000	.121	.120	.120	.120	.120	.119	.119	.119	.119	.118	.118	.118	.118	.117	.117	.117
20000	.116	.116	.116	.115	.115	.115	.114	.114	.114	.114	.114	.113	.113	.113	.113	.113
21000	.112	.112	.111	.111	.111	.111	.110	.110	.110	.110	.110	.110	.110	.109	.109	.109
22000	.108	.108	.108	.107	.107	.107	.107	.107	.107	.106	.106	.106	.106	.106	.106	.105
23000	.104	.104	.104	.104	.104	.103	.103	.103	.103	.103	.103	.103	.102	.102	.102	.102
24000	.101	.101	.100	.100	.100	.100	.100	.100	.100	.099	.099	.099	.099	.099	.099	.099
25000	.097	.097	.097	.097	.097	.097	.097	.097	.096	.096	.096	.096	.096	.096	.096	.096
26000	.094	.094	.094	.094	.094	.094	.094	.093	.093	.093	.093	.093	.093	.093	.093	.093
27000	.091	.091	.091	.091	.091	.091	.091	.091	.091	.090	.090	.090	.090	.090	.090	.090
28000	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.087	.087	.087
29000	.086	.086	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085
30000	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.082	.082
31000	.081	.081	.081	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080
32000	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078
37000	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068
42000	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.061	.061
47000	.053	.053	.053	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054
52000	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.049	.049	.049	.049
57000	.043	.043	.043	.043	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044
62000	.039	.039	.039	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040
67000	.036	.036	.036	.036	.036	.036	.036	.036	.037	.037	.037	.037	.037	.037	.037	.037
72000	.033	.033	.033	.033	.033	.033	.033	.034	.034	.034	.034	.034	.034	.034	.034	.034
77000	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.032
82000	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028

G-247

ETA= 80.0 DEGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
KA*																
1700	.286															
1800	.283	.281														
1900	.281	.278	.276													
2000	.279	.276	.274	.271												
2100	.277	.274	.272	.269	.267											
2200	.275	.272	.270	.267	.265	.262										
2300	.273	.270	.268	.265	.263	.260	.258									
2400	.271	.268	.266	.263	.261	.259	.256	.254								
2500	.269	.266	.264	.261	.259	.257	.255	.252	.250							
2600	.267	.264	.262	.259	.257	.255	.253	.251	.249	.246						
2700	.265	.262	.260	.258	.255	.253	.251	.249	.247	.245	.243					
2800	.263	.260	.258	.256	.254	.251	.249	.247	.245	.243	.241	.239				
2900	.261	.259	.256	.254	.252	.250	.248	.246	.244	.242	.240	.238	.236			
3000	.259	.257	.255	.252	.250	.248	.246	.244	.242	.240	.238	.236	.234	.233		
3100	.257	.255	.253	.251	.249	.246	.244	.242	.240	.239	.237	.235	.233	.231	.229	
3200	.256	.253	.251	.249	.247	.245	.243	.241	.239	.237	.235	.233	.232	.230	.228	.226
3400	.252	.250	.248	.246	.244	.242	.240	.238	.236	.234	.232	.230	.229	.227	.225	.224
3600	.249	.247	.244	.242	.240	.239	.237	.235	.233	.231	.229	.228	.226	.224	.223	.221
3800	.245	.243	.241	.239	.237	.236	.234	.232	.230	.228	.227	.225	.223	.222	.220	.218
4000	.242	.240	.238	.236	.234	.233	.231	.229	.227	.226	.224	.222	.221	.219	.217	.216
4200	.239	.237	.235	.233	.231	.230	.228	.226	.225	.223	.221	.220	.218	.216	.215	.213
4400	.236	.234	.232	.230	.229	.227	.225	.223	.222	.220	.219	.217	.216	.214	.212	.211
4600	.233	.231	.229	.228	.226	.224	.222	.221	.219	.218	.216	.215	.213	.212	.210	.209
4800	.230	.228	.226	.225	.223	.221	.220	.218	.217	.215	.214	.212	.211	.209	.208	.206
5000	.227	.225	.224	.222	.220	.219	.217	.216	.214	.213	.211	.210	.208	.207	.205	.204
5200	.224	.223	.221	.219	.218	.216	.215	.213	.212	.210	.209	.207	.206	.205	.203	.202
5400	.222	.220	.218	.217	.215	.214	.212	.211	.209	.208	.206	.205	.204	.202	.201	.200
5600	.219	.217	.216	.214	.213	.211	.210	.208	.207	.205	.204	.203	.201	.200	.199	.197
5800	.216	.215	.213	.212	.210	.209	.207	.206	.204	.203	.202	.200	.199	.198	.197	.195
6000	.214	.212	.211	.209	.208	.206	.205	.204	.202	.201	.200	.198	.197	.196	.194	.193
6200	.211	.210	.208	.207	.205	.204	.203	.201	.200	.199	.197	.196	.195	.194	.192	.191
6400	.209	.207	.206	.204	.203	.202	.200	.199	.198	.196	.195	.194	.193	.192	.190	.189
6600	.206	.205	.203	.202	.201	.199	.198	.197	.196	.194	.193	.192	.191	.190	.188	.187
6800	.204	.202	.201	.200	.198	.197	.196	.195	.193	.192	.191	.190	.189	.188	.186	.185
7000	.201	.200	.199	.197	.196	.195	.194	.193	.191	.190	.189	.188	.187	.186	.184	.183
7200	.199	.198	.197	.195	.194	.193	.192	.190	.189	.188	.187	.186	.185	.184	.183	.181
7400	.197	.196	.194	.193	.192	.191	.190	.188	.187	.186	.185	.184	.183	.182	.181	.180
7600	.195	.193	.192	.191	.190	.189	.188	.186	.185	.184	.183	.182	.181	.180	.179	.178
7800	.193	.191	.190	.189	.188	.187	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176
8000	.190	.189	.188	.187	.186	.185	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174
8500	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
9000	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.166
9500	.176	.174	.173	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.163	.162
10000	.171	.170	.169	.168	.167	.166	.165	.165	.164	.163	.162	.161	.160	.160	.159	.158
10500	.167	.166	.165	.164	.163	.162	.161	.161	.160	.159	.158	.157	.156	.155	.154	.154
11000	.162	.162	.161	.160	.159	.158	.157	.156	.155	.154	.154	.153	.152	.151	.151	.151
11500	.155	.158	.157	.156	.155	.154	.154	.153	.152	.151	.151	.150	.149	.149	.148	.147
12000	.155	.154	.153	.152	.151	.151	.150	.149	.148	.147	.147	.146	.145	.145	.144	.144
12500	.151	.150	.149	.149	.148	.147	.147	.146	.145	.145	.144	.143	.143	.142	.141	.141
13000	.147	.147	.146	.145	.144	.144	.143	.143	.142	.141	.141	.140	.139	.139	.138	.138
13500	.144	.143	.142	.142	.141	.141	.140	.139	.139	.138	.137	.137	.136	.136	.135	.135
14000	.140	.140	.139	.139	.138	.137	.136	.136	.135	.134	.134	.133	.133	.132	.132	.132
14500	.137	.137	.136	.135	.135	.134	.134	.133	.133	.132	.132	.131	.130	.130	.129	.129
15000	.134	.134	.133	.133	.132	.131	.131	.130	.130	.129	.129	.128	.128	.127	.127	.126
15500	.131	.131	.130	.130	.129	.129	.128	.128	.127	.127	.126	.126	.125	.125	.124	.124
16000	.128	.128	.127	.127	.126	.126	.125	.125	.124	.124	.123	.123	.122	.122	.122	.121
17000	.123	.122	.122	.122	.121	.121	.120	.120	.119	.119	.118	.118	.118	.117	.117	.116
18000	.118	.117	.117	.117	.116	.116	.115	.115	.114	.114	.114	.113	.113	.112	.112	.112
19000	.113	.113	.112	.112	.112	.111	.111	.110	.110	.110	.109	.109	.109	.108	.108	.107
20000	.109	.108	.108	.108	.107	.107	.107	.106	.106	.105	.105	.105	.104	.104	.104	.103
21000	.105	.104	.104	.104	.103	.103	.103	.102	.102	.102	.101	.101	.101	.100	.100	.100
22000	.101	.100	.100	.100	.099	.099	.099	.098	.098	.098	.097	.097	.097	.096	.096	.096
23000	.097	.097	.096	.096	.096	.096	.095	.095	.095	.094	.094	.094	.094	.093	.093	.093
24000	.094	.093	.093	.093	.092	.092	.092	.092	.091	.091	.091	.091	.090	.090	.090	.090
25000	.090	.090	.090	.090	.089	.089	.089	.089	.088	.088	.088	.088	.087	.087	.087	.087
26000	.087	.087	.087	.087	.086	.086	.086	.086	.085	.085	.085	.085	.084	.084	.084	.084
27000	.084	.084	.084	.084	.083	.083	.083	.083	.083	.082	.082	.082	.082	.081	.081	.081
28000	.082	.081	.081	.081	.081	.081	.080	.080	.080	.080	.079	.079	.079	.079	.079	.078
29000	.079	.079	.079	.078	.078	.078	.078	.078	.077	.077	.077	.077	.077	.076	.076	.076
30000	.076	.076	.076	.076	.076	.076	.075	.075	.075	.075	.075	.074	.074	.074	.074	.074
31000	.074	.074	.074	.074	.073	.073	.073	.073	.073	.073	.072	.072	.072	.072	.072	.072
32000	.072	.072	.072	.071	.071	.071	.071	.071	.071	.070	.070	.070	.070	.070	.070	.069
37000	.062	.062	.062	.062	.062	.062	.061	.061	.061	.061	.061	.061	.061	.061	.060	.060
42000	.055	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.053	.053	.053	.053	.053
47000	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.047	.047	.047	.047	.047
52000	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.042	.042	.042	.042	.042
57000	.039	.039	.039	.039	.039	.039	.039	.038	.038	.038	.038	.038	.038	.038	.038	.038
62000	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035
67000	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032
72000	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029
77000	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027
82000	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025

G-247

ETA= 80.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.273															
1800	.271	.268														
1900	.268	.265	.263													
2000	.266	.263	.260	.257												
2100	.263	.261	.258	.255	.253											
2200	.261	.258	.256	.253	.250	.248										
2300	.259	.256	.253	.251	.248	.246	.243									
2400	.256	.254	.251	.249	.246	.244	.241	.239								
2500	.254	.252	.249	.246	.244	.242	.239	.237	.235	.233						
2600	.252	.249	.247	.244	.242	.239	.237	.235	.233	.230						
2700	.250	.247	.245	.242	.240	.238	.235	.233	.231	.229	.226					
2800	.248	.245	.243	.240	.238	.236	.233	.231	.229	.227	.225	.222				
2900	.246	.243	.241	.238	.236	.234	.231	.229	.227	.225	.223	.221	.219			
3000	.244	.241	.239	.236	.234	.232	.229	.227	.225	.223	.221	.219	.217	.215		
3100	.242	.239	.237	.234	.232	.230	.228	.225	.223	.221	.219	.217	.215	.213	.211	
3200	.240	.237	.235	.232	.230	.228	.226	.224	.222	.220	.217	.215	.214	.212	.210	.208
3400	.236	.233	.231	.229	.227	.224	.222	.220	.218	.216	.214	.212	.210	.208	.207	.205
3600	.232	.230	.227	.225	.223	.221	.219	.217	.215	.213	.211	.209	.208	.206	.204	.202
3800	.228	.226	.224	.222	.219	.217	.215	.213	.211	.209	.208	.206	.204	.202	.200	.199
4000	.225	.222	.220	.218	.216	.214	.212	.210	.208	.206	.204	.203	.201	.199	.197	.196
4200	.221	.219	.217	.215	.213	.211	.209	.207	.205	.203	.201	.200	.198	.196	.194	.193
4400	.218	.216	.214	.211	.209	.208	.206	.204	.202	.200	.198	.197	.195	.193	.191	.190
4600	.214	.212	.210	.208	.206	.204	.203	.201	.199	.197	.195	.194	.192	.190	.189	.187
4800	.211	.209	.207	.205	.203	.201	.199	.198	.196	.194	.192	.191	.189	.187	.186	.184
5000	.208	.206	.204	.202	.200	.198	.197	.195	.193	.191	.190	.188	.186	.185	.183	.182
5200	.205	.203	.201	.199	.197	.195	.194	.192	.190	.188	.187	.185	.184	.182	.180	.179
5400	.202	.200	.198	.196	.194	.193	.191	.189	.187	.186	.184	.182	.181	.179	.178	.176
5600	.199	.197	.195	.193	.191	.190	.188	.186	.185	.183	.181	.180	.178	.177	.175	.174
5800	.196	.194	.192	.190	.187	.187	.185	.184	.182	.180	.179	.177	.176	.174	.173	.171
6000	.193	.191	.189	.188	.186	.184	.183	.181	.179	.178	.176	.175	.173	.172	.170	.169
6200	.190	.188	.187	.185	.183	.182	.180	.178	.177	.175	.174	.172	.171	.169	.168	.166
6400	.188	.186	.184	.182	.181	.179	.177	.176	.174	.173	.171	.170	.168	.167	.165	.164
6600	.185	.183	.181	.180	.178	.177	.175	.173	.172	.170	.169	.167	.166	.165	.163	.162
6800	.182	.181	.179	.177	.176	.174	.172	.171	.169	.168	.166	.165	.164	.162	.161	.159
7000	.180	.178	.176	.175	.173	.172	.170	.169	.167	.166	.164	.163	.161	.160	.159	.157
7200	.177	.176	.174	.172	.171	.169	.168	.166	.165	.163	.162	.160	.159	.158	.156	.155
7400	.175	.173	.171	.170	.168	.167	.165	.164	.162	.161	.160	.158	.157	.155	.154	.153
7600	.172	.171	.169	.168	.166	.165	.163	.162	.160	.159	.157	.156	.155	.153	.152	.151
7800	.170	.168	.167	.165	.164	.162	.161	.159	.158	.157	.155	.154	.153	.151	.150	.149
8000	.168	.166	.165	.163	.162	.160	.159	.157	.156	.154	.153	.152	.150	.149	.148	.147
8500	.162	.161	.159	.158	.156	.155	.153	.152	.151	.149	.148	.147	.145	.144	.143	.142
9000	.157	.155	.154	.152	.151	.150	.148	.147	.146	.144	.143	.142	.141	.139	.138	.137
9500	.152	.150	.149	.147	.146	.145	.143	.142	.141	.140	.138	.137	.136	.135	.133	.132
10000	.147	.145	.144	.143	.141	.140	.139	.138	.136	.135	.134	.133	.131	.130	.129	.128
10500	.142	.141	.140	.138	.137	.136	.134	.133	.132	.131	.130	.128	.127	.126	.125	.124
11000	.138	.136	.135	.134	.133	.131	.130	.129	.128	.127	.125	.124	.123	.122	.121	.120
11500	.134	.132	.131	.130	.129	.127	.126	.125	.124	.123	.121	.120	.119	.118	.117	.116
12000	.130	.128	.127	.126	.125	.123	.122	.121	.120	.119	.118	.117	.115	.114	.113	.112
12500	.126	.124	.123	.122	.121	.120	.119	.117	.116	.115	.114	.113	.112	.111	.110	.108
13000	.122	.121	.120	.118	.117	.116	.115	.114	.113	.112	.111	.109	.108	.107	.106	.105
13500	.119	.117	.116	.115	.114	.113	.112	.111	.109	.108	.107	.106	.105	.104	.103	.102
14000	.115	.114	.113	.112	.111	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099
14500	.112	.111	.110	.109	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096
15000	.109	.108	.107	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093
15500	.106	.105	.104	.103	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090
16000	.103	.102	.101	.100	.099	.098	.097	.096	.094	.093	.092	.091	.090	.089	.088	.087
17000	.098	.097	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082
18000	.093	.092	.091	.090	.089	.088	.087	.086	.084	.083	.082	.081	.080	.079	.078	.077
19000	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073
20000	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069
21000	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065
22000	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061
23000	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058
24000	.069	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055
25000	.066	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052
26000	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049
27000	.061	.060	.059	.058	.057	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047
28000	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044
29000	.056	.055	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042
30000	.054	.053	.052	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040
31000	.052	.051	.050	.049	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038
32000	.050	.049	.048	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036
37000	.042	.041	.040	.039	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028
42000	.035	.035	.034	.033	.033	.032	.031	.030	.029	.028	.027	.026	.025	.024	.023	.022
47000	.031	.030	.029	.028	.028	.027	.026	.025	.024	.023	.022	.021	.020	.019	.018	.017
52000	.027	.026	.025	.025	.024	.023	.022	.021	.021	.020	.019	.018	.017	.016	.015	.014
57000	.023	.023	.022	.021	.021	.020	.019	.018	.018	.017	.016	.015	.014	.013	.012	.011
62000	.021	.020	.020	.019	.018	.018	.017	.016	.015	.014	.013	.012	.011	.010	.009	.008
67000	.019	.018	.017	.017	.016	.015	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006
72000	.017	.016	.016	.015	.014	.014	.013	.012	.011	.010	.009	.008	.007	.006	.005	.004
77000	.015	.015	.014	.013	.013	.012	.011	.011	.010	.009	.008	.007	.006	.005	.004	.003
82000	.014	.013	.013	.012	.012	.011	.010	.010	.009	.008	.007	.006	.005	.004	.003	.002

G-247

BETA=100.0 DEGREES DELTA= 0.0 DEGREES

RP RA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.290															
1800	.287	.285														
1900	.284	.282	.280													
2000	.281	.279	.277	.275												
2100	.279	.277	.275	.273	.271											
2200	.276	.274	.272	.270	.269	.267										
2300	.274	.272	.270	.268	.266	.264	.263									
2400	.271	.270	.268	.266	.264	.262	.260	.259								
2500	.269	.267	.265	.264	.262	.260	.258	.257	.255							
2600	.267	.265	.263	.261	.260	.258	.256	.255	.253	.251	.249	.248				
2700	.265	.263	.261	.259	.257	.256	.254	.253	.251	.249	.247	.246	.244			
2800	.262	.260	.259	.257	.255	.254	.252	.250	.249	.247	.245	.244	.243	.241		
2900	.260	.258	.257	.255	.253	.252	.250	.249	.247	.245	.244	.242	.240	.239	.238	.236
3000	.258	.256	.254	.253	.251	.250	.248	.247	.245	.244	.242	.241	.239	.238	.236	.235
3100	.256	.254	.252	.251	.249	.248	.246	.245	.243	.242	.240	.239	.238	.236	.235	.233
3200	.254	.252	.250	.249	.247	.246	.244	.243	.241	.240	.239	.237	.236	.234	.233	.232
3400	.250	.248	.246	.245	.243	.242	.240	.239	.238	.236	.235	.234	.232	.231	.230	.229
3600	.246	.244	.243	.241	.240	.238	.237	.235	.234	.233	.232	.230	.229	.228	.227	.225
3800	.242	.240	.239	.237	.236	.235	.233	.232	.231	.229	.228	.227	.226	.225	.223	.222
4000	.238	.237	.235	.234	.232	.231	.230	.229	.227	.226	.225	.224	.223	.221	.220	.219
4200	.234	.233	.232	.230	.229	.228	.227	.225	.224	.223	.222	.221	.219	.218	.217	.216
4400	.231	.230	.228	.227	.226	.224	.223	.222	.221	.220	.219	.218	.216	.215	.214	.213
4600	.227	.226	.225	.224	.222	.221	.220	.219	.218	.217	.216	.215	.214	.212	.211	.210
4800	.224	.223	.222	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208
5000	.221	.220	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205
5200	.218	.217	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202
5400	.215	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199
5600	.212	.210	.209	.208	.207	.206	.205	.204	.203	.203	.202	.201	.200	.199	.198	.197
5800	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194
6000	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191
6200	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188
6400	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185
6600	.197	.197	.196	.195	.194	.193	.192	.191	.191	.190	.189	.188	.187	.186	.185	.184
6800	.195	.194	.193	.192	.191	.191	.190	.189	.188	.188	.187	.186	.185	.184	.183	.182
7000	.192	.191	.191	.190	.189	.188	.187	.187	.186	.185	.184	.184	.183	.182	.181	.180
7200	.190	.189	.188	.187	.187	.186	.185	.184	.184	.183	.182	.182	.181	.180	.179	.179
7400	.187	.187	.186	.185	.184	.183	.183	.182	.181	.181	.180	.179	.179	.178	.177	.177
7600	.185	.184	.183	.183	.182	.181	.181	.180	.179	.178	.178	.177	.177	.176	.175	.175
7800	.183	.182	.181	.180	.180	.179	.178	.178	.177	.176	.176	.175	.174	.174	.173	.173
8000	.180	.180	.179	.178	.177	.177	.176	.176	.175	.174	.174	.173	.172	.172	.171	.171
8500	.175	.174	.173	.173	.172	.172	.171	.170	.170	.169	.169	.168	.168	.167	.166	.166
9000	.169	.169	.168	.168	.167	.167	.166	.165	.165	.164	.164	.163	.163	.162	.162	.161
9500	.164	.164	.163	.163	.162	.162	.161	.161	.160	.160	.159	.159	.158	.158	.157	.157
10000	.160	.159	.159	.158	.158	.157	.157	.156	.156	.155	.155	.154	.154	.153	.153	.153
10500	.155	.155	.154	.154	.153	.153	.152	.152	.152	.151	.151	.150	.150	.149	.149	.149
11000	.151	.150	.150	.150	.149	.149	.148	.148	.148	.147	.147	.146	.146	.145	.145	.145
11500	.147	.146	.146	.145	.145	.145	.144	.144	.144	.143	.143	.143	.142	.142	.142	.141
12000	.143	.142	.142	.142	.141	.141	.141	.140	.140	.140	.139	.139	.139	.138	.138	.138
12500	.139	.139	.138	.138	.138	.137	.137	.137	.136	.136	.136	.136	.135	.135	.134	.134
13000	.135	.135	.135	.134	.134	.134	.134	.133	.133	.133	.132	.132	.132	.131	.131	.131
13500	.132	.132	.131	.131	.131	.130	.130	.130	.130	.129	.129	.129	.129	.128	.128	.128
14000	.129	.128	.128	.128	.128	.127	.127	.127	.127	.126	.126	.126	.126	.125	.125	.125
14500	.125	.125	.125	.125	.124	.124	.124	.124	.124	.123	.123	.123	.123	.123	.122	.122
15000	.122	.122	.122	.122	.121	.121	.121	.121	.121	.121	.120	.120	.120	.120	.120	.119
15500	.119	.119	.119	.119	.119	.118	.118	.118	.118	.118	.118	.117	.117	.117	.117	.117
16000	.117	.116	.116	.116	.116	.116	.116	.115	.115	.115	.115	.115	.114	.114	.114	.114
17000	.111	.111	.111	.111	.111	.111	.110	.110	.110	.110	.110	.110	.110	.109	.109	.109
18000	.106	.106	.106	.106	.106	.106	.106	.106	.105	.105	.105	.105	.105	.105	.105	.105
19000	.102	.102	.102	.101	.101	.101	.101	.101	.101	.101	.101	.101	.101	.101	.101	.100
20000	.098	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.096
21000	.094	.094	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093
22000	.090	.090	.090	.090	.090	.090	.090	.090	.090	.089	.089	.089	.089	.089	.089	.089
23000	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086	.086
24000	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083	.083
25000	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080
26000	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077
27000	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075
28000	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072
29000	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070
30000	.067	.067	.067	.067	.067	.067	.067	.067	.067	.068	.068	.068	.068	.068	.068	.068
31000	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.065	.066	.066	.066	.066	.066
32000	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.064	.064	.064	.064	.064
37000	.054	.054	.054	.054	.054	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055
42000	.047	.047	.047	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048
47000	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.043	.043	.043	.043	.043
52000	.037	.037	.037	.037	.037	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038
57000	.033	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034
62000	.030	.030	.030	.030	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031
67000	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.029
72000	.025	.025	.025	.025	.025	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026
77000	.023	.023	.023	.023	.023	.023	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024
82000	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021

G-247

BETA=100.0 DEGREES DELTA= 10.0 DEGREES

RP RA	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.286															
1800	.283	.281														
1900	.280	.278	.276													
2000	.277	.275	.273	.271												
2100	.275	.273	.271	.269	.267											
2200	.272	.270	.268	.266	.264	.262										
2300	.270	.268	.266	.264	.262	.260	.258									
2400	.267	.265	.263	.261	.260	.258	.256	.254								
2500	.265	.263	.261	.259	.257	.255	.253	.252	.250							
2600	.263	.261	.259	.257	.255	.253	.252	.250	.248	.246						
2700	.260	.258	.256	.255	.253	.251	.249	.248	.246	.244	.243					
2800	.258	.256	.254	.252	.251	.249	.247	.246	.244	.242	.241	.239				
2900	.256	.254	.252	.250	.249	.247	.245	.244	.242	.240	.239	.237	.236	.234		
3000	.254	.252	.250	.248	.247	.245	.243	.242	.240	.239	.237	.236	.234	.233		
3100	.251	.250	.248	.246	.245	.243	.241	.240	.238	.237	.235	.234	.232	.231	.229	
3200	.249	.248	.246	.244	.243	.241	.239	.238	.236	.235	.233	.232	.230	.229	.228	.226
3400	.245	.243	.242	.240	.239	.237	.236	.234	.233	.231	.230	.228	.227	.226	.224	.223
3600	.241	.239	.238	.236	.235	.233	.232	.230	.229	.228	.226	.225	.224	.222	.221	.220
3800	.237	.236	.234	.233	.231	.230	.228	.227	.225	.224	.223	.221	.220	.219	.218	.216
4000	.233	.232	.230	.229	.228	.226	.225	.223	.222	.221	.220	.218	.217	.216	.215	.213
4200	.230	.228	.227	.225	.224	.223	.221	.220	.219	.218	.216	.215	.214	.213	.211	.210
4400	.226	.225	.223	.222	.221	.219	.218	.217	.216	.214	.213	.212	.211	.210	.208	.207
4600	.223	.221	.220	.219	.217	.216	.215	.214	.212	.211	.210	.209	.208	.207	.206	.204
4800	.219	.218	.217	.215	.214	.213	.212	.211	.209	.208	.207	.206	.205	.204	.203	.202
5000	.216	.215	.214	.212	.211	.210	.209	.208	.206	.205	.204	.203	.202	.201	.200	.199
5200	.213	.212	.210	.209	.208	.207	.206	.205	.204	.202	.201	.200	.199	.198	.197	.196
5400	.210	.209	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194
5600	.207	.206	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191
5800	.204	.203	.202	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188
6000	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186
6200	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183
6400	.195	.194	.193	.192	.191	.190	.189	.188	.187	.187	.186	.185	.184	.183	.182	.181
6600	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.182	.181	.180	.179
6800	.190	.189	.188	.187	.186	.185	.184	.183	.183	.182	.181	.180	.179	.178	.178	.177
7000	.187	.186	.185	.185	.184	.183	.182	.181	.180	.179	.179	.178	.177	.176	.175	.175
7200	.185	.184	.183	.182	.181	.180	.180	.179	.178	.177	.176	.176	.175	.174	.173	.172
7400	.182	.182	.181	.180	.179	.178	.177	.176	.176	.175	.174	.173	.173	.172	.171	.170
7600	.180	.179	.178	.177	.177	.176	.175	.174	.173	.173	.172	.171	.170	.170	.169	.168
7800	.178	.177	.176	.175	.174	.174	.173	.172	.171	.171	.170	.169	.168	.168	.167	.166
8000	.175	.175	.174	.173	.172	.171	.171	.170	.169	.168	.168	.167	.166	.166	.165	.164
8500	.170	.169	.168	.168	.167	.166	.165	.165	.164	.163	.163	.162	.161	.161	.160	.159
9000	.165	.164	.163	.162	.162	.161	.160	.160	.159	.159	.158	.157	.157	.156	.156	.155
9500	.160	.159	.158	.158	.157	.156	.156	.155	.155	.154	.153	.153	.152	.152	.151	.151
10000	.155	.154	.154	.153	.152	.152	.151	.151	.150	.150	.149	.148	.148	.147	.147	.146
10500	.150	.150	.149	.149	.148	.147	.147	.146	.146	.145	.145	.144	.144	.143	.143	.142
11000	.146	.145	.145	.144	.144	.143	.143	.142	.142	.141	.141	.140	.140	.140	.139	.139
11500	.142	.141	.141	.140	.140	.139	.139	.138	.138	.138	.137	.137	.136	.136	.135	.135
12000	.138	.138	.137	.137	.136	.136	.135	.135	.134	.134	.134	.133	.133	.132	.132	.131
12500	.134	.134	.133	.133	.132	.132	.132	.131	.131	.130	.130	.130	.129	.129	.129	.128
13000	.131	.130	.130	.129	.129	.129	.128	.128	.127	.127	.127	.126	.126	.126	.125	.125
13500	.127	.127	.126	.126	.126	.125	.125	.125	.124	.124	.124	.123	.123	.123	.122	.122
14000	.124	.124	.123	.123	.123	.122	.122	.121	.121	.121	.120	.120	.120	.120	.119	.119
14500	.121	.121	.120	.120	.119	.119	.119	.118	.118	.118	.117	.117	.117	.116	.116	.116
15000	.118	.118	.117	.117	.117	.116	.116	.115	.115	.115	.114	.114	.114	.114	.113	.113
15500	.115	.115	.114	.114	.114	.113	.113	.113	.113	.112	.112	.112	.111	.111	.111	.111
16000	.112	.112	.112	.111	.111	.111	.110	.110	.110	.110	.109	.109	.109	.109	.108	.108
17000	.107	.107	.106	.106	.106	.106	.105	.105	.105	.105	.104	.104	.104	.104	.104	.103
18000	.102	.102	.102	.101	.101	.101	.101	.101	.100	.100	.100	.100	.100	.099	.099	.099
19000	.098	.097	.097	.097	.097	.097	.096	.096	.096	.096	.096	.095	.095	.095	.095	.095
20000	.094	.093	.093	.093	.093	.093	.092	.092	.092	.092	.092	.092	.091	.091	.091	.091
21000	.090	.089	.089	.089	.089	.089	.089	.089	.088	.088	.088	.088	.088	.088	.087	.087
22000	.086	.086	.086	.086	.085	.085	.085	.085	.085	.085	.084	.084	.084	.084	.084	.084
23000	.083	.082	.082	.082	.082	.082	.082	.082	.082	.081	.081	.081	.081	.081	.081	.081
24000	.079	.079	.079	.079	.079	.079	.079	.079	.079	.078	.078	.078	.078	.078	.078	.078
25000	.076	.076	.076	.076	.076	.076	.076	.076	.076	.076	.075	.075	.075	.075	.075	.075
26000	.074	.074	.074	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.072	.072
27000	.071	.071	.071	.071	.071	.071	.071	.071	.071	.070	.070	.070	.070	.070	.070	.070
28000	.069	.069	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068
29000	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.065	.065	.065
30000	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.063	.063	.063	.063	.063	.063
31000	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.061	.061	.061	.061	.061	.061
32000	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.059	.059	.059	.059
37000	.052	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051
42000	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045
47000	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040
52000	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035
57000	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032
62000	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029
67000	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026
72000	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024
77000	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
82000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020

G-247

HETA=100.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.273															
1800	.270	.268														
1900	.267	.265	.263													
2000	.265	.262	.260	.257												
2100	.262	.259	.257	.255	.253											
2200	.259	.257	.255	.252	.250	.248										
2300	.257	.254	.252	.250	.248	.245	.243									
2400	.254	.252	.249	.247	.245	.243	.241	.239								
2500	.251	.249	.247	.245	.243	.241	.239	.237	.235							
2600	.249	.247	.245	.242	.240	.238	.236	.234	.232	.230	.228					
2700	.247	.244	.242	.240	.238	.236	.234	.232	.230	.228	.226	.224				
2800	.244	.242	.240	.238	.236	.234	.232	.230	.228	.226	.224	.222	.220			
2900	.242	.240	.238	.236	.234	.232	.230	.228	.226	.224	.222	.220	.219			
3000	.240	.237	.235	.233	.231	.229	.228	.226	.224	.222	.220	.218	.217	.215		
3100	.237	.235	.233	.231	.229	.227	.225	.224	.222	.220	.218	.216	.215	.213	.211	
3200	.235	.233	.231	.229	.227	.225	.223	.222	.220	.218	.216	.215	.213	.211	.210	.208
3400	.231	.229	.227	.225	.223	.221	.219	.218	.216	.214	.212	.211	.209	.207	.206	.204
3600	.227	.225	.223	.221	.219	.217	.215	.214	.212	.210	.209	.207	.205	.204	.202	.201
3800	.223	.221	.219	.217	.215	.213	.212	.210	.208	.207	.205	.204	.202	.200	.199	.197
4000	.219	.217	.215	.213	.211	.210	.208	.206	.205	.203	.202	.200	.199	.197	.196	.194
4200	.215	.213	.211	.210	.208	.206	.205	.203	.201	.200	.198	.197	.195	.194	.192	.191
4400	.211	.209	.208	.206	.204	.203	.201	.200	.198	.196	.195	.193	.192	.191	.189	.188
4600	.208	.206	.204	.203	.201	.199	.198	.196	.195	.193	.192	.190	.189	.187	.186	.185
4800	.204	.202	.201	.199	.198	.196	.195	.193	.192	.190	.189	.187	.186	.184	.183	.182
5000	.201	.199	.197	.196	.194	.193	.191	.190	.188	.187	.186	.184	.183	.181	.180	.179
5200	.197	.196	.194	.193	.191	.190	.188	.187	.185	.184	.183	.181	.180	.178	.177	.176
5400	.194	.193	.191	.190	.188	.187	.185	.184	.182	.181	.180	.178	.177	.176	.174	.173
5600	.191	.190	.188	.187	.185	.184	.182	.181	.180	.178	.177	.176	.174	.173	.172	.170
5800	.188	.187	.185	.184	.182	.181	.180	.178	.177	.176	.174	.173	.172	.170	.169	.168
6000	.185	.184	.182	.181	.179	.178	.177	.175	.174	.173	.172	.170	.169	.168	.167	.165
6200	.182	.181	.179	.178	.177	.175	.174	.173	.171	.170	.169	.168	.166	.165	.164	.163
6400	.179	.178	.177	.175	.174	.173	.171	.170	.169	.168	.166	.165	.164	.163	.162	.160
6600	.177	.175	.174	.173	.171	.170	.169	.168	.166	.165	.164	.163	.162	.160	.159	.158
6800	.174	.173	.171	.170	.169	.168	.166	.165	.164	.163	.161	.160	.159	.158	.157	.156
7000	.171	.170	.169	.168	.166	.165	.164	.163	.161	.160	.159	.158	.157	.156	.155	.153
7200	.169	.168	.166	.165	.164	.163	.161	.160	.159	.158	.157	.156	.155	.153	.152	.151
7400	.166	.165	.164	.163	.162	.160	.159	.158	.157	.156	.155	.153	.152	.151	.150	.149
7600	.164	.163	.162	.160	.159	.158	.157	.156	.155	.153	.152	.151	.150	.149	.148	.147
7800	.162	.160	.159	.158	.157	.156	.155	.154	.152	.151	.150	.149	.148	.147	.146	.145
8000	.159	.158	.157	.156	.155	.154	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143
8500	.154	.153	.152	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138
9000	.149	.148	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133
9500	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129
10000	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.128	.127	.126	.125
10500	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.124	.123	.122	.121
11000	.130	.129	.129	.128	.127	.126	.125	.124	.123	.122	.121	.121	.120	.119	.118	.117
11500	.126	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.117	.116	.115	.114	.114
12000	.123	.122	.121	.120	.119	.118	.118	.117	.116	.115	.114	.113	.113	.112	.111	.110
12500	.119	.118	.117	.116	.116	.115	.114	.113	.112	.112	.111	.110	.109	.108	.108	.107
13000	.116	.115	.114	.113	.112	.112	.111	.110	.109	.108	.108	.107	.106	.105	.105	.104
13500	.112	.111	.111	.110	.109	.108	.108	.107	.106	.105	.105	.104	.103	.102	.102	.101
14000	.109	.108	.108	.107	.106	.105	.105	.104	.103	.102	.102	.101	.100	.099	.099	.098
14500	.106	.105	.105	.104	.103	.102	.102	.101	.100	.099	.098	.098	.097	.096	.096	.095
15000	.103	.103	.102	.101	.100	.100	.099	.098	.098	.097	.096	.096	.095	.094	.093	.093
15500	.101	.100	.099	.098	.098	.097	.096	.096	.095	.094	.094	.093	.092	.092	.091	.090
16000	.098	.097	.097	.096	.095	.095	.094	.093	.093	.092	.091	.091	.090	.089	.089	.088
17000	.093	.092	.092	.091	.090	.090	.089	.089	.088	.087	.087	.086	.085	.085	.084	.083
18000	.088	.088	.087	.087	.086	.085	.085	.084	.084	.083	.082	.082	.081	.081	.080	.079
19000	.084	.084	.083	.083	.082	.081	.081	.080	.080	.079	.079	.078	.077	.077	.076	.076
20000	.080	.080	.079	.079	.078	.078	.077	.077	.076	.075	.075	.074	.074	.073	.073	.072
21000	.077	.076	.076	.075	.075	.074	.074	.073	.073	.072	.072	.071	.070	.070	.069	.069
22000	.074	.073	.073	.072	.072	.071	.071	.070	.069	.069	.068	.068	.067	.067	.066	.066
23000	.070	.070	.070	.069	.069	.068	.068	.067	.067	.066	.066	.065	.065	.064	.063	.063
24000	.068	.067	.067	.066	.066	.065	.065	.064	.064	.063	.063	.062	.062	.061	.061	.060
25000	.065	.064	.064	.064	.063	.063	.062	.062	.061	.061	.060	.060	.059	.059	.058	.058
26000	.062	.062	.062	.061	.061	.060	.060	.059	.059	.058	.058	.057	.057	.056	.056	.055
27000	.060	.060	.059	.059	.058	.058	.058	.057	.057	.056	.056	.055	.055	.054	.054	.053
28000	.058	.057	.057	.057	.056	.056	.055	.055	.055	.054	.054	.053	.053	.052	.052	.051
29000	.056	.055	.055	.055	.054	.054	.053	.053	.053	.052	.052	.051	.051	.050	.050	.050
30000	.054	.053	.053	.053	.052	.052	.051	.051	.051	.050	.050	.049	.049	.048	.048	.048
31000	.052	.052	.051	.051	.050	.050	.050	.049	.049	.049	.048	.048	.047	.047	.046	.046
32000	.050	.050	.049	.049	.048	.048	.048	.047	.047	.047	.046	.046	.045	.045	.044	.044
37000	.043	.042	.042	.042	.041	.041	.041	.041	.040	.040	.040	.039	.039	.038	.038	.038
42000	.037	.037	.036	.036	.036	.035	.035	.035	.034	.034	.034	.034	.033	.033	.033	.032
47000	.032	.032	.032	.032	.031	.031	.031	.031	.030	.030	.030	.030	.029	.029	.029	.028
52000	.029	.028	.028	.028	.028	.028	.027	.027	.027	.026	.026	.026	.025	.025	.025	.025
57000	.026	.025	.025	.025	.025	.025	.024	.024	.024	.024	.024	.023	.023	.023	.023	.022
62000	.023	.023	.023	.023	.022	.022	.022	.022	.022	.021	.021	.021	.021	.020	.020	.020
67000	.021	.021	.021	.020	.020	.020	.020	.020	.020	.019	.019	.019	.019	.018	.018	.018
72000	.019	.019	.019	.019	.018	.018	.018	.018	.018	.017	.017	.017	.017	.017	.017	.016
77000	.017	.017	.017	.017	.017	.017	.017	.016	.016	.016	.016	.016	.015	.015	.015	.015
82000	.016	.016	.016	.016	.016	.016	.015	.015	.015	.015	.015	.015	.014	.014	.014	.014

G-247

BETA=100.0 DEGREES DELTA= 30.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.249															
1800	.246	.243														
1900	.243	.240	.237													
2000	.239	.236	.233	.231												
2100	.236	.233	.230	.228	.225											
2200	.233	.230	.228	.225	.222	.219										
2300	.231	.228	.225	.222	.219	.216	.214									
2400	.228	.225	.222	.219	.216	.213	.211	.208								
2500	.225	.222	.219	.216	.214	.211	.208	.206	.203							
2600	.222	.219	.216	.214	.211	.208	.206	.203	.200	.198						
2700	.219	.217	.214	.211	.208	.206	.203	.200	.198	.195	.193					
2800	.217	.214	.211	.208	.206	.203	.201	.198	.195	.193	.190	.188				
2900	.214	.211	.209	.206	.203	.201	.198	.195	.193	.190	.188	.186	.183			
3000	.212	.209	.206	.203	.201	.198	.196	.193	.191	.188	.186	.183	.181	.178		
3100	.209	.206	.204	.201	.198	.196	.193	.191	.188	.186	.183	.181	.179	.176	.174	
3200	.207	.204	.201	.199	.196	.194	.191	.188	.186	.184	.181	.179	.176	.174	.172	.169
3400	.202	.199	.197	.194	.192	.189	.186	.184	.182	.179	.177	.174	.172	.170	.167	.165
3600	.198	.195	.192	.190	.187	.185	.182	.180	.177	.175	.172	.170	.168	.165	.163	.161
3800	.193	.191	.188	.185	.183	.180	.178	.175	.173	.171	.168	.166	.164	.161	.159	.157
4000	.189	.186	.184	.181	.179	.176	.174	.171	.169	.167	.164	.162	.160	.157	.155	.153
4200	.185	.182	.180	.177	.175	.172	.170	.168	.165	.163	.160	.158	.156	.154	.151	.149
4400	.181	.178	.176	.173	.171	.168	.166	.164	.161	.159	.157	.154	.152	.150	.148	.145
4600	.177	.175	.172	.170	.167	.165	.162	.160	.158	.155	.153	.151	.148	.146	.144	.142
4800	.173	.171	.168	.166	.164	.161	.159	.156	.154	.152	.150	.147	.145	.143	.140	.138
5000	.170	.167	.165	.162	.160	.158	.155	.153	.151	.148	.146	.144	.142	.139	.137	.135
5200	.166	.164	.161	.159	.157	.154	.152	.150	.147	.145	.143	.141	.138	.136	.134	.131
5400	.163	.161	.158	.156	.153	.151	.149	.146	.144	.142	.140	.137	.135	.133	.131	.128
5600	.160	.157	.155	.153	.150	.148	.146	.143	.141	.139	.136	.134	.132	.130	.127	.125
5800	.157	.154	.152	.149	.147	.145	.143	.140	.138	.136	.133	.131	.129	.127	.124	.122
6000	.153	.151	.149	.146	.144	.142	.140	.137	.135	.133	.130	.128	.126	.124	.121	.119
6200	.150	.148	.146	.143	.141	.139	.137	.134	.132	.130	.128	.125	.123	.121	.119	.116
6400	.148	.145	.143	.141	.138	.136	.134	.132	.129	.127	.125	.123	.120	.118	.116	.113
6600	.145	.142	.140	.138	.136	.133	.131	.129	.127	.124	.122	.120	.118	.115	.113	.111
6800	.142	.140	.137	.135	.133	.131	.128	.126	.124	.122	.119	.117	.115	.113	.110	.108
7000	.139	.137	.135	.133	.130	.128	.126	.124	.121	.119	.117	.115	.112	.110	.108	.105
7200	.137	.134	.132	.130	.128	.126	.123	.121	.119	.117	.114	.112	.110	.108	.105	.103
7400	.134	.132	.130	.128	.125	.123	.121	.119	.116	.114	.112	.110	.107	.105	.103	.100
7600	.132	.130	.127	.125	.123	.121	.118	.116	.114	.112	.109	.107	.105	.103	.100	.098
7800	.129	.127	.125	.123	.121	.118	.116	.114	.112	.110	.107	.105	.103	.100	.098	.096
8000	.127	.125	.123	.121	.118	.116	.114	.112	.109	.107	.105	.103	.100	.098	.096	.093
8500	.122	.119	.117	.115	.113	.111	.109	.106	.104	.102	.100	.097	.095	.093	.090	.088
9000	.116	.114	.112	.110	.108	.106	.103	.101	.099	.097	.095	.092	.090	.088	.085	.083
9500	.112	.109	.107	.105	.103	.101	.099	.097	.094	.092	.090	.088	.085	.083	.080	.078
10000	.107	.105	.103	.101	.099	.096	.094	.092	.090	.088	.085	.083	.081	.078	.076	.073
10500	.103	.101	.099	.097	.094	.092	.090	.088	.086	.084	.081	.079	.077	.074	.072	.069
11000	.099	.097	.095	.093	.090	.088	.086	.084	.082	.080	.077	.075	.073	.070	.068	.065
11500	.095	.093	.091	.089	.087	.085	.083	.080	.078	.076	.074	.071	.069	.066	.064	.061
12000	.091	.089	.087	.085	.083	.081	.079	.077	.075	.072	.070	.068	.065	.063	.060	.057
12500	.088	.086	.084	.082	.080	.078	.076	.074	.071	.069	.067	.064	.062	.059	.057	.054
13000	.085	.083	.081	.079	.077	.075	.073	.071	.068	.066	.064	.061	.059	.056	.053	.051
13500	.082	.080	.078	.076	.074	.072	.070	.068	.065	.063	.061	.058	.056	.053	.050	.047
14000	.079	.077	.075	.073	.071	.069	.067	.065	.063	.060	.058	.055	.053	.050	.047	.044
14500	.076	.074	.072	.070	.068	.066	.064	.062	.060	.057	.055	.053	.050	.048	.045	.042
15000	.074	.072	.070	.068	.066	.064	.062	.060	.057	.055	.053	.050	.048	.045	.042	.039
15500	.071	.069	.067	.066	.064	.062	.059	.057	.055	.053	.050	.048	.045	.042	.039	.036
16000	.069	.067	.065	.063	.061	.059	.057	.055	.053	.050	.048	.045	.043	.040	.037	.033
17000	.064	.063	.061	.059	.057	.055	.053	.051	.049	.047	.045	.042	.040	.038	.035	.032
18000	.061	.059	.057	.055	.053	.051	.049	.047	.045	.042	.040	.037	.034	.031	.028	.025
19000	.057	.055	.054	.052	.050	.048	.046	.044	.041	.038	.036	.033	.030	.027	.024	.021
20000	.054	.052	.050	.049	.047	.045	.043	.041	.038	.036	.033	.030	.027	.024	.021	.018
21000	.051	.049	.047	.046	.044	.042	.040	.038	.035	.033	.030	.027	.024	.021	.018	.015
22000	.048	.046	.045	.043	.041	.039	.037	.035	.033	.030	.028	.025	.022	.019	.016	.013
23000	.046	.044	.042	.041	.039	.037	.035	.033	.030	.028	.025	.022	.019	.016	.013	.010
24000	.043	.042	.040	.038	.037	.035	.033	.031	.028	.026	.024	.022	.019	.016	.013	.010
25000	.041	.040	.038	.036	.035	.033	.031	.028	.026	.024	.022	.019	.016	.013	.010	.007
26000	.039	.038	.036	.034	.033	.031	.029	.027	.024	.022	.020	.018	.016	.013	.010	.007
27000	.037	.036	.034	.033	.031	.029	.027	.025	.022	.020	.018	.016	.013	.010	.007	.004
28000	.036	.034	.033	.031	.029	.027	.025	.023	.020	.018	.016	.013	.010	.007	.004	.001
29000	.034	.033	.031	.029	.028	.026	.024	.022	.020	.018	.016	.013	.010	.007	.004	.001
30000	.033	.031	.030	.028	.026	.025	.023	.021	.019	.017	.015	.013	.010	.007	.004	.001
31000	.031	.030	.028	.027	.025	.023	.021	.019	.017	.015	.013	.010	.007	.004	.001	.000
32000	.030	.028	.027	.026	.024	.022	.020	.018	.016	.014	.012	.010	.007	.004	.001	.000
37000	.024	.023	.022	.020	.019	.017	.015	.013	.011	.009	.007	.005	.003	.001	.000	.000
42000	.020	.019	.018	.017	.015	.013	.011	.009	.007	.005	.003	.001	.000	.000	.000	.000
47000	.017	.016	.015	.014	.012	.010	.008	.006	.004	.002	.000	.000	.000	.000	.000	.000
52000	.015	.014	.013	.012	.010	.008	.006	.004	.002	.000	.000	.000	.000	.000	.000	.000
57000	.013	.012	.011	.010	.008	.006	.004	.002	.000	.000	.000	.000	.000	.000	.000	.000
62000	.012	.011	.010	.009	.007	.005	.003	.001	.000	.000	.000	.000	.000	.000	.000	.000
67000	.010	.009	.008	.007	.005	.003	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA=120.0 DEGREES DELTA= 0.0 DEGREES

#RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.290															
1800	.286	.285														
1900	.283	.281	.280													
2000	.280	.278	.277	.275												
2100	.277	.275	.274	.272	.271											
2200	.274	.272	.271	.270	.268											
2300	.271	.270	.268	.267	.265	.264	.263									
2400	.268	.267	.265	.264	.263	.261	.260	.259								
2500	.265	.264	.263	.261	.260	.259	.257	.256	.255							
2600	.263	.261	.260	.259	.257	.256	.255	.254	.253	.251						
2700	.260	.259	.257	.256	.255	.254	.252	.251	.250	.249	.248					
2800	.257	.256	.255	.254	.252	.251	.250	.249	.248	.247	.246	.244				
2900	.255	.254	.252	.251	.250	.249	.248	.247	.245	.244	.243	.242	.241			
3000	.252	.251	.250	.249	.248	.246	.245	.244	.243	.242	.241	.240	.239	.238		
3100	.250	.249	.248	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235	.235
3200	.248	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232
3400	.243	.242	.241	.239	.238	.237	.236	.235	.234	.233	.232	.231	.231	.230	.229	.228
3600	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227	.227	.226	.225	.224
3800	.234	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224	.224	.223	.222	.221	.220
4000	.230	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.219	.218	.217	.217
4200	.226	.225	.224	.223	.222	.221	.220	.219	.218	.218	.217	.216	.215	.215	.214	.213
4400	.222	.221	.220	.219	.218	.217	.216	.216	.215	.214	.213	.212	.212	.211	.210	.210
4600	.218	.217	.216	.215	.214	.214	.213	.212	.211	.210	.210	.209	.208	.208	.207	.206
4800	.214	.213	.212	.212	.211	.210	.209	.208	.208	.207	.206	.206	.205	.204	.204	.203
5000	.210	.210	.209	.208	.207	.207	.206	.205	.204	.204	.203	.202	.202	.201	.200	.200
5200	.207	.206	.205	.205	.204	.203	.202	.202	.201	.200	.200	.199	.199	.198	.197	.197
5400	.203	.203	.202	.201	.201	.200	.199	.199	.198	.197	.197	.196	.196	.195	.194	.194
5600	.200	.199	.199	.198	.197	.197	.196	.195	.195	.194	.194	.193	.193	.192	.191	.191
5800	.197	.196	.196	.195	.194	.194	.193	.192	.192	.191	.191	.190	.190	.189	.189	.188
6000	.194	.193	.192	.192	.191	.191	.190	.189	.189	.188	.188	.187	.187	.186	.186	.185
6200	.191	.190	.189	.189	.188	.188	.187	.187	.186	.186	.185	.185	.184	.184	.183	.183
6400	.188	.187	.187	.186	.185	.185	.184	.184	.183	.183	.182	.182	.181	.181	.180	.180
6600	.185	.184	.184	.183	.183	.182	.182	.181	.181	.180	.180	.179	.179	.178	.178	.177
6800	.182	.181	.181	.180	.180	.179	.179	.178	.178	.178	.177	.177	.176	.176	.175	.175
7000	.179	.179	.178	.178	.177	.177	.176	.176	.175	.175	.174	.174	.174	.173	.173	.172
7200	.177	.176	.176	.175	.175	.174	.174	.173	.173	.172	.172	.172	.171	.171	.170	.170
7400	.174	.174	.173	.173	.172	.172	.171	.171	.170	.170	.170	.169	.169	.168	.168	.168
7600	.171	.171	.171	.170	.170	.169	.169	.168	.168	.168	.167	.167	.167	.166	.166	.165
7800	.169	.169	.168	.168	.167	.167	.166	.166	.166	.165	.165	.165	.164	.164	.164	.163
8000	.167	.166	.166	.165	.165	.165	.164	.164	.163	.163	.163	.162	.162	.162	.161	.161
8500	.161	.160	.160	.160	.159	.159	.159	.158	.158	.158	.157	.157	.157	.156	.156	.156
9000	.155	.155	.155	.154	.154	.154	.153	.153	.153	.152	.152	.152	.152	.151	.151	.151
9500	.150	.150	.150	.149	.149	.149	.148	.148	.148	.148	.147	.147	.147	.146	.146	.146
10000	.145	.145	.145	.144	.144	.144	.144	.143	.143	.143	.143	.142	.142	.142	.142	.142
10500	.141	.140	.140	.140	.140	.139	.139	.139	.139	.139	.138	.138	.138	.138	.138	.138
11000	.136	.136	.136	.136	.135	.135	.135	.135	.135	.135	.134	.134	.134	.134	.134	.133
11500	.132	.132	.132	.132	.131	.131	.131	.131	.131	.131	.130	.130	.130	.130	.130	.130
12000	.128	.128	.128	.128	.128	.127	.127	.127	.127	.127	.127	.126	.126	.126	.126	.126
12500	.124	.124	.124	.124	.124	.124	.124	.123	.123	.123	.123	.123	.123	.123	.123	.123
13000	.121	.121	.121	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.119	.119	.119
13500	.117	.117	.117	.117	.117	.117	.117	.117	.117	.117	.116	.116	.116	.116	.116	.116
14000	.114	.114	.114	.114	.114	.114	.114	.114	.114	.113	.113	.113	.113	.113	.113	.113
14500	.111	.111	.111	.111	.111	.111	.111	.111	.111	.110	.110	.110	.110	.110	.110	.110
15000	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.107	.107	.107	.107
15500	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105
16000	.103	.103	.103	.103	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102
17000	.098	.098	.098	.098	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097
18000	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093
19000	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089
20000	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085
21000	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081
22000	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078
23000	.074	.074	.074	.074	.074	.074	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075
24000	.071	.071	.071	.071	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072
25000	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069
26000	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.067	.067	.067	.067	.067	.067
27000	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
28000	.061	.061	.061	.061	.061	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062
29000	.059	.059	.059	.059	.059	.059	.059	.059	.060	.060	.060	.060	.060	.060	.060	.060
30000	.057	.057	.057	.057	.057	.057	.057	.057	.058	.058	.058	.058	.058	.058	.058	.058
31000	.055	.055	.055	.055	.055	.055	.055	.056	.056	.056	.056	.056	.056	.056	.056	.056
32000	.053	.053	.053	.053	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054
37000	.045	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.047	.047
42000	.039	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.041	.041
47000	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.036	.036	.036	.036
52000	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.032	.032	.032	.032	.032
57000	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.029
62000	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.026	.026	.026	.026	.026
67000	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023
72000	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021
77000	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.020	.020	.020	.020
82000	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017

G-247

ETA=120.0 DEGREES DELTA= 10.0 DEGREES

#RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.286															
1800	.282	.281														
1900	.279	.277	.276													
2000	.276	.274	.273	.271												
2100	.273	.271	.270	.268	.267											
2200	.270	.268	.267	.265	.264	.262										
2300	.267	.266	.264	.262	.261	.260	.258									
2400	.264	.263	.261	.260	.258	.257	.255	.254								
2500	.262	.260	.259	.257	.256	.254	.253	.252	.250							
2600	.259	.257	.256	.254	.253	.252	.250	.249	.248	.246						
2700	.256	.255	.253	.252	.251	.249	.248	.247	.245	.244	.243					
2800	.254	.252	.251	.249	.248	.247	.245	.244	.243	.242	.240	.239				
2900	.251	.250	.248	.247	.246	.244	.243	.242	.241	.239	.238	.237	.236			
3000	.248	.247	.246	.244	.243	.242	.241	.239	.238	.237	.236	.235	.234	.233		
3100	.246	.245	.243	.242	.241	.240	.238	.237	.236	.235	.234	.233	.232	.230	.229	
3200	.244	.242	.241	.240	.238	.237	.236	.235	.234	.233	.232	.230	.229	.228	.227	.226
3400	.239	.238	.236	.235	.234	.233	.232	.231	.230	.228	.227	.226	.225	.224	.223	.222
3600	.234	.233	.232	.231	.230	.229	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218
3800	.230	.229	.228	.227	.225	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214
4000	.226	.225	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210
4200	.222	.221	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206
4400	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.207	.206	.205	.204
4600	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.201	.201
4800	.210	.209	.208	.207	.206	.205	.205	.204	.203	.202	.201	.201	.200	.199	.198	.197
5000	.206	.206	.205	.204	.203	.202	.201	.200	.200	.199	.198	.197	.197	.196	.195	.194
5200	.203	.202	.201	.200	.200	.199	.198	.197	.196	.195	.194	.193	.193	.192	.191	.191
5400	.200	.199	.198	.197	.196	.195	.195	.194	.193	.192	.191	.190	.190	.189	.188	.188
5600	.196	.195	.195	.194	.193	.192	.192	.191	.190	.189	.189	.188	.187	.187	.186	.185
5800	.193	.192	.191	.191	.190	.189	.189	.188	.187	.186	.186	.185	.185	.184	.183	.183
6000	.190	.189	.188	.188	.187	.186	.186	.185	.184	.184	.183	.182	.182	.181	.180	.180
6200	.187	.186	.185	.185	.184	.183	.183	.182	.181	.181	.180	.180	.179	.178	.178	.177
6400	.184	.183	.183	.182	.181	.181	.180	.179	.179	.178	.177	.177	.176	.176	.175	.175
6600	.181	.180	.180	.179	.178	.178	.177	.177	.176	.175	.175	.174	.174	.173	.173	.172
6800	.176	.178	.177	.176	.176	.175	.175	.174	.173	.173	.172	.172	.171	.171	.170	.170
7000	.175	.175	.174	.174	.173	.172	.172	.171	.171	.170	.169	.169	.168	.168	.167	.167
7200	.173	.172	.172	.171	.171	.170	.169	.169	.168	.168	.167	.167	.166	.166	.165	.165
7400	.170	.170	.169	.169	.168	.167	.167	.166	.166	.165	.165	.164	.164	.163	.163	.162
7600	.168	.167	.167	.166	.166	.165	.165	.164	.164	.163	.163	.162	.162	.161	.161	.160
7800	.165	.165	.164	.164	.163	.163	.162	.162	.161	.160	.160	.159	.159	.158	.158	.158
8000	.163	.162	.162	.161	.161	.160	.160	.159	.159	.158	.158	.157	.157	.156	.156	.156
8200	.157	.157	.156	.156	.155	.155	.154	.154	.154	.153	.153	.152	.152	.151	.151	.151
9000	.152	.151	.151	.150	.150	.150	.149	.149	.148	.148	.148	.147	.147	.146	.146	.146
9500	.147	.146	.146	.145	.145	.145	.144	.144	.143	.143	.143	.143	.142	.142	.142	.141
10000	.142	.141	.141	.141	.140	.140	.140	.139	.139	.139	.138	.138	.138	.137	.137	.137
10500	.137	.137	.137	.136	.136	.136	.135	.135	.135	.134	.134	.134	.134	.133	.133	.133
11000	.133	.133	.132	.132	.132	.131	.131	.131	.130	.130	.130	.130	.129	.129	.129	.129
11500	.129	.129	.128	.128	.128	.127	.127	.127	.126	.126	.126	.126	.125	.125	.125	.125
12000	.125	.125	.124	.124	.124	.124	.123	.123	.123	.123	.122	.122	.122	.122	.122	.121
12500	.121	.121	.121	.121	.120	.120	.120	.120	.119	.119	.119	.119	.118	.118	.118	.118
13000	.118	.118	.117	.117	.117	.117	.116	.116	.116	.116	.116	.115	.115	.115	.115	.115
13500	.114	.114	.114	.114	.114	.113	.113	.113	.113	.113	.112	.112	.112	.112	.112	.112
14000	.111	.111	.111	.111	.111	.110	.110	.110	.110	.110	.110	.109	.109	.109	.109	.109
14500	.108	.108	.108	.108	.108	.107	.107	.107	.107	.107	.106	.106	.106	.106	.106	.106
15000	.105	.105	.105	.105	.105	.105	.104	.104	.104	.104	.104	.104	.103	.103	.103	.103
15500	.103	.102	.102	.102	.102	.102	.102	.102	.101	.101	.101	.101	.101	.101	.101	.101
16000	.100	.100	.100	.099	.099	.099	.099	.099	.099	.099	.099	.099	.098	.098	.098	.098
17000	.095	.095	.095	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.093	.093	.093
18000	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.089	.089	.089	.089	.089	.089
19000	.086	.086	.086	.086	.086	.086	.086	.086	.085	.085	.085	.085	.085	.085	.085	.085
20000	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.081	.081	.081
21000	.079	.079	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078
22000	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075
23000	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072	.072
24000	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069
25000	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066
26000	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
27000	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062
28000	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059
29000	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057
30000	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055
31000	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.054	.054
32000	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052
37000	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044
42000	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.039	.039	.039
47000	.033	.033	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034
52000	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030	.030
57000	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027
62000	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024
67000	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
72000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
77000	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.019	.019	.019	.019	.019	.019
82000	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017

G-247

BETA=120.0 DEGREES DELTA= 30.0 DEGREES

#HP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.249															
1800	.246	.243														
1900	.242	.239	.237													
2000	.239	.236	.233	.231												
2100	.236	.233	.230	.227	.225											
2200	.233	.230	.227	.224	.222	.219										
2300	.230	.227	.224	.222	.219	.216	.214									
2400	.227	.224	.221	.219	.216	.213	.211	.208								
2500	.224	.221	.219	.216	.213	.211	.208	.205	.203							
2600	.221	.219	.216	.213	.211	.208	.205	.203	.200	.198						
2700	.218	.216	.213	.211	.208	.205	.203	.200	.198	.195	.193					
2800	.216	.213	.211	.208	.205	.203	.200	.198	.195	.193	.190	.188				
2900	.213	.211	.208	.205	.203	.200	.198	.195	.193	.191	.188	.186	.183			
3000	.211	.208	.205	.203	.200	.198	.196	.193	.191	.188	.186	.183	.181	.178		
3100	.204	.206	.203	.201	.198	.196	.193	.191	.188	.186	.183	.181	.179	.176	.174	
3200	.206	.203	.201	.198	.196	.193	.191	.188	.186	.184	.181	.179	.176	.174	.172	.169
3400	.201	.198	.196	.194	.191	.189	.186	.184	.182	.179	.177	.175	.172	.170	.168	.165
3600	.196	.194	.192	.189	.187	.184	.182	.180	.178	.176	.173	.171	.169	.167	.164	.161
3800	.192	.190	.187	.185	.183	.180	.178	.176	.173	.171	.169	.167	.164	.162	.160	.157
4000	.188	.186	.183	.181	.179	.176	.174	.172	.170	.167	.165	.163	.160	.158	.156	.154
4200	.184	.182	.179	.177	.175	.172	.170	.168	.166	.164	.161	.159	.157	.155	.152	.150
4400	.180	.178	.175	.173	.171	.169	.167	.165	.163	.161	.159	.157	.154	.152	.149	.147
4600	.176	.174	.172	.170	.167	.165	.163	.161	.159	.157	.154	.152	.150	.148	.146	.143
4800	.173	.170	.168	.166	.164	.162	.160	.158	.155	.153	.151	.149	.147	.145	.142	.140
5000	.169	.167	.165	.163	.161	.158	.156	.154	.152	.150	.148	.146	.144	.141	.139	.137
5200	.166	.164	.161	.159	.157	.155	.153	.151	.149	.147	.145	.143	.141	.138	.136	.134
5400	.162	.160	.158	.156	.154	.152	.150	.148	.146	.144	.142	.140	.138	.136	.133	.131
5600	.159	.157	.155	.153	.151	.149	.147	.145	.143	.141	.139	.137	.135	.133	.131	.129
5800	.156	.154	.152	.150	.148	.146	.144	.142	.140	.138	.136	.134	.132	.130	.128	.126
6000	.153	.151	.149	.147	.145	.143	.141	.139	.137	.135	.133	.131	.129	.127	.125	.123
6200	.150	.148	.147	.145	.143	.141	.139	.137	.135	.133	.131	.129	.127	.125	.123	.121
6400	.148	.146	.144	.142	.140	.138	.136	.134	.132	.130	.128	.126	.124	.122	.120	.118
6600	.145	.143	.141	.139	.137	.135	.133	.131	.129	.127	.126	.124	.122	.120	.118	.116
6800	.142	.141	.139	.137	.135	.133	.131	.129	.127	.126	.124	.122	.120	.118	.116	.114
7000	.140	.138	.136	.134	.133	.131	.129	.127	.125	.123	.121	.119	.118	.116	.114	.112
7200	.137	.136	.134	.132	.130	.128	.127	.125	.123	.121	.119	.117	.115	.113	.111	.109
7400	.135	.133	.131	.130	.128	.126	.124	.123	.121	.119	.117	.115	.113	.111	.109	.107
7600	.133	.131	.129	.127	.126	.124	.122	.120	.119	.117	.115	.113	.111	.109	.107	.105
7800	.130	.129	.127	.125	.124	.122	.120	.118	.117	.115	.113	.111	.109	.107	.105	.103
8000	.128	.127	.125	.123	.121	.120	.118	.116	.114	.113	.111	.109	.107	.105	.103	.101
8500	.123	.121	.120	.118	.117	.115	.113	.111	.110	.108	.106	.104	.103	.101	.099	.097
9000	.118	.117	.115	.113	.112	.110	.109	.107	.105	.104	.102	.100	.098	.096	.095	.093
9500	.114	.112	.111	.109	.108	.106	.104	.103	.101	.099	.098	.096	.094	.092	.091	.089
10000	.109	.108	.106	.105	.103	.102	.100	.099	.097	.096	.094	.092	.091	.089	.087	.085
10500	.105	.104	.103	.101	.100	.098	.097	.095	.094	.092	.090	.089	.087	.085	.084	.082
11000	.102	.100	.099	.098	.096	.095	.093	.092	.090	.089	.087	.085	.084	.082	.080	.079
11500	.098	.097	.095	.094	.093	.091	.090	.088	.087	.085	.084	.082	.081	.079	.077	.076
12000	.095	.094	.092	.091	.090	.088	.087	.085	.084	.082	.081	.079	.078	.076	.074	.073
12500	.092	.090	.089	.088	.086	.085	.084	.082	.081	.079	.078	.076	.075	.073	.072	.070
13000	.089	.087	.086	.085	.084	.082	.081	.080	.078	.077	.075	.074	.072	.071	.069	.067
13500	.086	.085	.083	.082	.081	.080	.078	.077	.076	.074	.073	.071	.070	.068	.067	.065
14000	.083	.082	.081	.080	.078	.077	.076	.075	.073	.072	.070	.069	.068	.066	.064	.063
14500	.081	.080	.078	.077	.076	.075	.074	.072	.071	.070	.068	.067	.065	.064	.062	.061
15000	.078	.077	.076	.075	.074	.072	.071	.070	.069	.067	.066	.065	.063	.062	.060	.059
15500	.076	.075	.074	.073	.072	.070	.069	.068	.067	.065	.064	.063	.061	.060	.058	.057
16000	.074	.073	.072	.071	.069	.068	.067	.066	.065	.063	.062	.061	.059	.058	.056	.055
17000	.070	.069	.068	.067	.066	.064	.063	.062	.061	.060	.059	.057	.056	.055	.053	.052
18000	.066	.065	.064	.063	.062	.061	.060	.059	.058	.056	.055	.053	.052	.051	.050	.049
19000	.063	.062	.061	.060	.059	.058	.057	.056	.055	.053	.052	.051	.050	.049	.047	.046
20000	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.048	.047	.046	.045	.043
21000	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.042	.041
22000	.054	.053	.052	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.041	.040	.039
23000	.052	.051	.050	.049	.048	.047	.047	.046	.045	.044	.043	.042	.041	.039	.038	.037
24000	.049	.049	.048	.047	.046	.045	.045	.044	.043	.042	.041	.040	.039	.038	.036	.035
25000	.047	.047	.046	.045	.044	.043	.043	.042	.041	.040	.039	.038	.037	.036	.035	.033
26000	.045	.045	.044	.043	.042	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032
27000	.044	.043	.042	.041	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030
28000	.042	.041	.040	.040	.039	.038	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029
29000	.040	.040	.039	.038	.038	.037	.036	.035	.035	.034	.033	.032	.031	.030	.029	.028
30000	.039	.038	.037	.037	.036	.035	.035	.034	.033	.032	.031	.030	.029	.028	.027	.026
31000	.037	.037	.036	.035	.035	.034	.033	.033	.032	.031	.030	.029	.028	.027	.026	.025
32000	.036	.035	.035	.034	.034	.033	.032	.032	.031	.030	.029	.028	.028	.027	.026	.025
37000	.030	.030	.029	.029	.028	.028	.027	.027	.026	.025	.025	.024	.023	.022	.021	.021
42000	.026	.026	.025	.025	.024	.024	.023	.023	.022	.022	.021	.020	.020	.019	.018	.017
47000	.023	.022	.022	.022	.021	.021	.020	.020	.019	.019	.018	.018	.017	.016	.016	.015
52000	.020	.020	.019	.019	.019	.018	.018	.017	.017	.016	.016	.015	.015	.014	.014	.013
57000	.018	.018	.017	.017	.017	.016	.016	.015	.015	.015	.014	.014	.013	.013	.012	.011
62000	.016	.016	.015	.015	.015	.015	.014	.014	.013	.013	.013	.012	.012	.011	.011	.010
67000	.015	.014	.014	.014	.013	.013	.013	.012	.012	.011	.011	.011	.010	.010	.010	.009
72000	.013	.013	.013	.012	.012	.012	.011	.011	.011	.011	.010	.010	.010	.009	.009	.008
77000	.012	.012	.012	.011	.011	.011	.011	.010	.010	.010	.009	.009	.009	.008	.008	.007
82000	.011	.011	.011	.011	.010	.010	.010	.010	.009	.009	.009	.008	.008	.008	.007	.007

G-247

BETA=120.0 DEGREES DELTA= 40.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.204															
1800	.200	.195														
1900	.197	.192	.187													
2000	.193	.188	.183	.179												
2100	.190	.185	.180	.175	.170											
2200	.186	.182	.177	.172	.167	.162										
2300	.183	.178	.174	.169	.164	.159	.154									
2400	.180	.175	.171	.166	.161	.156	.151	.146								
2500	.177	.172	.168	.163	.158	.153	.148	.143	.137							
2600	.174	.169	.165	.160	.155	.150	.145	.140	.134	.129						
2700	.171	.167	.162	.157	.152	.147	.142	.137	.131	.126	.120					
2800	.169	.164	.159	.154	.149	.144	.139	.134	.129	.123	.117	.112				
2900	.166	.161	.156	.151	.146	.141	.136	.131	.126	.120	.115	.109	.103			
3000	.163	.158	.154	.149	.144	.139	.134	.128	.123	.118	.112	.106	.100	.093		
3100	.161	.156	.151	.146	.141	.136	.131	.126	.120	.115	.109	.103	.097	.090	.083	
3200	.158	.153	.149	.144	.139	.134	.129	.123	.118	.112	.106	.100	.094	.087	.080	.072
3400	.153	.149	.144	.139	.134	.129	.124	.118	.113	.107	.101	.095	.089	.082	.074	.066
3600	.149	.144	.139	.134	.129	.124	.119	.114	.108	.102	.096	.090	.083	.076	.068	.059
3800	.144	.140	.135	.130	.125	.120	.115	.109	.104	.098	.092	.085	.078	.071	.062	.053
4000	.140	.135	.131	.126	.121	.116	.110	.105	.099	.093	.087	.080	.073	.065	.056	.046
4200	.136	.131	.127	.122	.117	.112	.106	.101	.095	.089	.083	.076	.068	.060	.050	.038
4400	.132	.128	.123	.118	.113	.108	.103	.097	.091	.085	.078	.071	.063	.055	.044	.030
4600	.128	.124	.119	.114	.109	.104	.099	.093	.087	.081	.074	.067	.059	.049	.038	.021
4800	.125	.120	.116	.111	.106	.101	.095	.090	.084	.077	.070	.063	.054	.044	.031	.000
5000	.122	.117	.112	.108	.103	.097	.092	.086	.080	.074	.066	.059	.050	.039	.023	.000
5200	.118	.114	.109	.104	.099	.094	.089	.083	.077	.070	.063	.055	.045	.033	.000	.000
5400	.115	.111	.106	.101	.096	.091	.085	.080	.073	.067	.059	.051	.040	.026	.000	.000
5600	.112	.108	.103	.098	.093	.088	.082	.077	.070	.063	.056	.047	.036	.019	.000	.000
5800	.109	.105	.100	.095	.090	.085	.080	.074	.067	.060	.052	.043	.031	.000	.000	.000
6000	.107	.102	.098	.093	.088	.082	.077	.071	.064	.057	.049	.039	.025	.000	.000	.000
6200	.104	.100	.095	.090	.085	.080	.074	.068	.061	.054	.045	.035	.000	.000	.000	.000
6400	.101	.097	.092	.088	.083	.077	.071	.065	.059	.051	.042	.030	.000	.000	.000	.000
6600	.099	.095	.090	.085	.080	.075	.069	.063	.056	.048	.039	.026	.000	.000	.000	.000
6800	.097	.092	.088	.083	.078	.072	.067	.060	.053	.045	.035	.000	.000	.000	.000	.000
7000	.094	.090	.085	.081	.075	.070	.064	.058	.051	.042	.032	.000	.000	.000	.000	.000
7200	.092	.088	.083	.078	.073	.068	.062	.055	.048	.040	.028	.000	.000	.000	.000	.000
7400	.090	.086	.081	.076	.071	.066	.060	.053	.046	.037	.000	.000	.000	.000	.000	.000
7600	.088	.084	.079	.074	.069	.064	.058	.051	.043	.034	.000	.000	.000	.000	.000	.000
7800	.086	.082	.077	.072	.067	.062	.056	.049	.041	.031	.000	.000	.000	.000	.000	.000
8000	.084	.080	.075	.070	.065	.060	.054	.047	.039	.029	.000	.000	.000	.000	.000	.000
8500	.079	.075	.071	.066	.061	.055	.049	.042	.033	.000	.000	.000	.000	.000	.000	.000
9000	.075	.071	.067	.062	.057	.051	.045	.037	.000	.000	.000	.000	.000	.000	.000	.000
9500	.071	.067	.063	.058	.053	.047	.041	.033	.000	.000	.000	.000	.000	.000	.000	.000
10000	.068	.064	.059	.055	.050	.044	.037	.000	.000	.000	.000	.000	.000	.000	.000	.000
10500	.065	.061	.056	.052	.046	.040	.033	.000	.000	.000	.000	.000	.000	.000	.000	.000
11000	.062	.058	.053	.049	.043	.037	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
11500	.059	.055	.051	.046	.041	.034	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12000	.056	.052	.048	.043	.038	.032	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12500	.054	.050	.046	.041	.036	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
13000	.051	.048	.043	.039	.033	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
13500	.049	.045	.041	.037	.031	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
14000	.047	.043	.039	.035	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
14500	.045	.042	.037	.033	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
15000	.044	.040	.036	.031	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
15500	.042	.038	.034	.029	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
16000	.040	.037	.033	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
17000	.037	.034	.030	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
18000	.035	.031	.027	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
19000	.032	.029	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
20000	.030	.027	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
21000	.028	.025	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
22000	.027	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
23000	.025	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
24000	.024	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
25000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BETA=120.0 DEGREES DELTA= 50.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.096															
1800	.090	.072														
1900	.084	.065	.040													
2000	.078	.058	.027	.000												
2100	.072	.050	.000	.000	.000											
2200	.065	.041	.000	.000	.000	.000										
2300	.059	.031	.000	.000	.000	.000	.000									
2400	.053	.016	.000	.000	.000	.000	.000	.000								
2500	.046	.000	.000	.000	.000	.000	.000	.000	.000							
2600	.038	.000	.000	.000	.000	.000	.000	.000	.000	.000						
2700	.030	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000					
2800	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000				

G-247

DELTA=140.0 DEGREES DELTA= 0.0 DEGREES

#RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.290															
1800	.286	.285														
1900	.282	.281	.280													
2000	.277	.278	.276	.275												
2100	.273	.274	.273	.272	.271											
2200	.272	.271	.270	.269	.268	.267										
2300	.269	.268	.267	.266	.265	.264	.263									
2400	.266	.265	.264	.263	.262	.261	.260	.259								
2500	.263	.262	.261	.260	.259	.258	.257	.256	.255							
2600	.260	.259	.258	.257	.256	.255	.254	.253	.252	.251						
2700	.257	.256	.255	.254	.253	.252	.251	.250	.249	.249	.248					
2800	.254	.253	.252	.251	.250	.249	.248	.248	.248	.247	.246	.245	.244			
2900	.251	.250	.249	.248	.247	.246	.246	.245	.244	.243	.243	.242	.241	.241		
3000	.248	.247	.246	.245	.245	.244	.243	.242	.242	.241	.240	.239	.239	.238	.238	
3100	.245	.244	.244	.243	.242	.241	.240	.240	.239	.238	.238	.237	.236	.236	.235	.235
3200	.243	.242	.241	.240	.239	.239	.238	.237	.236	.236	.235	.234	.234	.233	.233	.232
3400	.237	.237	.236	.235	.234	.234	.233	.232	.232	.231	.230	.230	.229	.228	.228	.227
3600	.232	.232	.231	.230	.230	.229	.228	.228	.227	.226	.226	.225	.225	.224	.223	.223
3800	.228	.227	.226	.226	.225	.224	.224	.223	.223	.222	.221	.221	.220	.220	.219	.219
4000	.223	.222	.222	.221	.221	.220	.219	.219	.218	.218	.217	.217	.216	.215	.215	.214
4200	.219	.218	.217	.217	.216	.216	.215	.215	.214	.213	.213	.212	.212	.211	.211	.210
4400	.214	.214	.213	.213	.212	.212	.211	.210	.210	.209	.209	.208	.208	.207	.207	.207
4600	.210	.210	.209	.209	.208	.208	.207	.207	.206	.206	.205	.205	.204	.203	.203	.203
4800	.205	.206	.205	.205	.204	.204	.203	.203	.202	.202	.201	.201	.200	.200	.199	.199
5000	.202	.202	.201	.201	.200	.200	.199	.199	.199	.198	.198	.197	.197	.196	.196	.196
5200	.197	.198	.198	.197	.197	.196	.196	.195	.195	.195	.194	.194	.193	.193	.192	.192
5400	.195	.194	.194	.194	.193	.193	.192	.192	.192	.191	.191	.191	.190	.190	.189	.189
5600	.191	.191	.191	.190	.190	.189	.189	.188	.188	.188	.188	.187	.187	.186	.186	.186
5800	.186	.186	.187	.187	.186	.186	.185	.185	.185	.184	.184	.184	.184	.183	.183	.183
6000	.185	.184	.184	.184	.183	.183	.183	.182	.182	.182	.181	.181	.181	.180	.180	.180
6200	.182	.181	.181	.180	.180	.180	.180	.179	.179	.179	.178	.178	.177	.177	.177	.177
6400	.178	.178	.178	.177	.177	.177	.177	.176	.176	.176	.175	.175	.175	.174	.174	.174
6600	.175	.175	.175	.174	.174	.174	.174	.173	.173	.173	.173	.172	.172	.172	.171	.171
6800	.173	.172	.172	.172	.171	.171	.171	.171	.170	.170	.170	.170	.169	.169	.169	.169
7000	.170	.169	.169	.169	.168	.168	.168	.168	.167	.167	.167	.167	.166	.166	.166	.166
7200	.167	.167	.166	.166	.166	.166	.165	.165	.165	.165	.165	.164	.164	.164	.164	.163
7400	.164	.164	.164	.163	.163	.163	.163	.163	.162	.162	.162	.162	.162	.161	.161	.161
7600	.162	.161	.161	.161	.161	.160	.160	.160	.160	.160	.159	.159	.159	.159	.159	.159
7800	.159	.159	.159	.158	.158	.158	.158	.157	.157	.157	.157	.157	.156	.156	.156	.156
8000	.157	.156	.156	.156	.156	.156	.155	.155	.155	.155	.155	.155	.154	.154	.154	.154
8500	.151	.151	.150	.150	.150	.150	.150	.149	.149	.149	.149	.149	.149	.149	.149	.148
9000	.145	.145	.145	.145	.145	.144	.144	.144	.144	.144	.144	.144	.144	.143	.143	.143
9500	.143	.140	.140	.140	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.138	.138
10000	.135	.135	.135	.135	.135	.135	.135	.134	.134	.134	.134	.134	.134	.134	.134	.134
10500	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.129
11000	.126	.126	.126	.126	.126	.126	.126	.126	.126	.126	.126	.126	.125	.125	.125	.125
11500	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.121
12000	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118
12500	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114
13000	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111
13500	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108
14000	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105
14500	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102
15000	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099
15500	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.097
16000	.093	.093	.093	.093	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094
17000	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089
18000	.084	.084	.084	.084	.084	.084	.084	.084	.085	.085	.085	.085	.085	.085	.085	.085
19000	.080	.080	.080	.080	.080	.080	.080	.080	.081	.081	.081	.081	.081	.081	.081	.081
20000	.075	.076	.076	.076	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077	.077
21000	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.074	.074	.074	.074	.074	.074
22000	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.071	.071	.071	.071
23000	.067	.067	.067	.067	.067	.067	.067	.067	.067	.067	.067	.068	.068	.068	.068	.068
24000	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.065	.065	.065	.065	.065	.065
25000	.061	.061	.061	.061	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.063
26000	.059	.059	.059	.059	.059	.059	.059	.059	.060	.060	.060	.060	.060	.060	.060	.060
27000	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.058	.058	.058	.058	.058	.058
28000	.054	.054	.055	.055	.055	.055	.055	.055	.055	.055	.055	.055	.056	.056	.056	.056
29000	.052	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.054	.054	.054	.054
30000	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.052	.052	.052	.052	.052
31000	.049	.049	.049	.049	.049	.049	.049	.049	.050	.050	.050	.050	.050	.050	.050	.050
32000	.047	.047	.047	.047	.047	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.049
37000	.040	.040	.040	.040	.040	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041
42000	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.036	.036	.036	.036	.036
47000	.030	.030	.030	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.032
52000	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.028	.028	.028	.028	.028	.028
57000	.024	.024	.024	.024	.024	.024	.024	.024	.024	.025	.025	.025	.025	.025	.025	.025
62000	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.023
67000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
72000	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.019	.019	.019	.019
77000	.016	.016	.016	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017
82000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015

G-247

HETA=140.0 DEGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.280															
1800	.282	.281														
1900	.278	.277	.276													
2000	.275	.274	.272	.271												
2100	.272	.270	.269	.268	.267											
2200	.268	.267	.266	.265	.263	.262										
2300	.265	.264	.263	.261	.260	.259	.258									
2400	.262	.261	.260	.258	.257	.256	.255	.254								
2500	.259	.258	.257	.255	.254	.253	.252	.251	.250							
2600	.256	.255	.254	.252	.251	.250	.249	.248	.247	.246						
2700	.253	.252	.251	.250	.249	.248	.247	.246	.245	.244	.243					
2800	.250	.249	.248	.247	.246	.245	.244	.243	.242	.241	.240	.239				
2900	.247	.246	.245	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235			
3000	.244	.243	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229
3100	.242	.241	.240	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227
3200	.239	.238	.237	.236	.235	.234	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224
3400	.234	.233	.232	.231	.230	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219
3600	.229	.228	.227	.226	.225	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214
3800	.224	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209
4000	.220	.219	.218	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205
4200	.215	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200
4400	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196
4600	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192
4800	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188
5000	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184
5200	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180
5400	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177
5600	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173
5800	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
6000	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167
6200	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163
6400	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160
6600	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157
6800	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154
7000	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152
7200	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149
7400	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146
7600	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144
7800	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141
8000	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139
8500	.148	.147	.146	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133
9000	.142	.141	.140	.139	.138	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127
9500	.137	.136	.135	.134	.133	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122
10000	.132	.131	.130	.129	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117
10500	.128	.127	.126	.125	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113
11000	.124	.123	.122	.121	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109
11500	.120	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105
12000	.116	.115	.114	.113	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101
12500	.112	.111	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097
13000	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094
13500	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090
14000	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087
14500	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084
15000	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082
15500	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079
16000	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076
17000	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072
18000	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067
19000	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063
20000	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060
21000	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056
22000	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053
23000	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050
24000	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047
25000	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045
26000	.057	.056	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042
27000	.055	.054	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040
28000	.053	.052	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038
29000	.051	.050	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036
30000	.049	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034
31000	.048	.047	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033
32000	.046	.045	.044	.043	.042	.041	.040	.039	.038	.037	.036	.035	.034	.033	.032	.031
37000	.039	.038	.037	.036	.035	.034	.033	.032	.031	.030	.029	.028	.027	.026	.025	.024
42000	.034	.033	.032	.031	.030	.029	.028	.027	.026	.025	.024	.023	.022	.021	.020	.019
47000	.030	.029	.028	.027	.026	.025	.024	.023	.022	.021	.020	.019	.018	.017	.016	.015
52000	.026	.025	.024	.023	.022	.021	.020	.019	.018	.017	.016	.015	.014	.013	.012	.011
57000	.023	.022	.021	.020	.019	.018	.017	.016	.015	.014	.013	.012	.011	.010	.009	.008
62000	.021	.020	.019	.018	.017	.016	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006
67000	.019	.018	.017	.016	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006	.005	.004
72000	.017	.016	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006	.005	.004	.003	.002
77000	.016	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006	.005	.004	.003	.002	.001
82000	.015	.014	.013	.012	.011	.010	.009	.008	.007	.006	.005	.004	.003	.002	.001	.000

G-247

DELTA=140.0 DEGREES DELTA= 20.0 DLGREGS

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.273															
1800	.270	.268														
1900	.266	.264	.263													
2000	.263	.261	.259	.257												
2100	.259	.258	.256	.254	.253											
2200	.256	.254	.253	.251	.249	.248										
2300	.253	.251	.250	.248	.246	.245	.243									
2400	.250	.248	.247	.245	.243	.242	.240	.239								
2500	.247	.245	.244	.242	.240	.239	.237	.236	.235							
2600	.244	.242	.241	.239	.238	.236	.235	.233	.232	.231	.229	.228	.225	.224	.222	.220
2700	.241	.239	.238	.236	.235	.233	.232	.229	.228	.227	.225	.224	.222	.221	.219	.218
2800	.238	.236	.235	.234	.232	.231	.229	.228	.227	.225	.224	.223	.221	.220	.219	.218
2900	.235	.234	.232	.231	.229	.228	.227	.225	.224	.223	.221	.220	.219	.218	.216	.215
3000	.232	.231	.230	.228	.227	.226	.224	.223	.221	.220	.219	.218	.216	.215	.214	.213
3100	.230	.228	.227	.226	.224	.223	.222	.220	.219	.218	.216	.215	.214	.213	.211	.210
3200	.227	.226	.224	.223	.222	.221	.219	.218	.217	.215	.214	.213	.212	.210	.209	.208
3400	.222	.221	.220	.218	.217	.216	.214	.213	.212	.211	.210	.208	.207	.206	.205	.204
3600	.217	.216	.215	.214	.212	.211	.210	.209	.208	.206	.205	.204	.203	.202	.200	.199
3800	.213	.211	.210	.209	.208	.207	.206	.204	.203	.202	.201	.200	.199	.198	.196	.195
4000	.208	.207	.206	.205	.204	.202	.201	.200	.199	.198	.197	.196	.195	.194	.192	.191
4200	.204	.203	.202	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188
4400	.200	.199	.198	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185	.184
4600	.196	.195	.194	.193	.192	.191	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180
4800	.192	.191	.190	.189	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177
5000	.188	.187	.186	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173
5200	.185	.184	.183	.182	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170
5400	.181	.180	.179	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166
5600	.178	.177	.176	.175	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163
5800	.174	.174	.173	.172	.171	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160
6000	.171	.170	.170	.169	.168	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157
6200	.168	.167	.167	.166	.165	.164	.163	.162	.161	.160	.159	.158	.157	.156	.155	.154
6400	.165	.164	.164	.163	.162	.161	.161	.160	.159	.158	.157	.156	.155	.154	.153	.152
6600	.162	.162	.161	.160	.159	.158	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149
6800	.160	.159	.158	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145
7000	.157	.156	.155	.154	.153	.152	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142
7200	.154	.154	.153	.152	.151	.151	.150	.149	.148	.147	.146	.145	.144	.143	.142	.141
7400	.152	.151	.150	.150	.149	.148	.148	.147	.146	.145	.144	.144	.143	.142	.141	.140
7600	.149	.149	.148	.147	.146	.145	.145	.144	.143	.142	.141	.140	.139	.138	.137	.136
7800	.147	.146	.145	.144	.144	.143	.142	.142	.141	.140	.140	.139	.138	.137	.136	.135
8000	.144	.144	.143	.143	.142	.141	.141	.140	.139	.139	.138	.138	.137	.136	.135	.134
8500	.139	.138	.138	.137	.136	.136	.135	.135	.134	.134	.133	.132	.132	.131	.131	.130
9000	.134	.133	.132	.132	.131	.131	.130	.130	.129	.129	.128	.128	.127	.126	.125	.125
9500	.129	.128	.128	.127	.127	.126	.126	.125	.125	.124	.124	.123	.122	.122	.121	.121
10000	.124	.124	.123	.123	.122	.122	.121	.121	.120	.120	.119	.119	.118	.118	.117	.117
10500	.120	.119	.119	.118	.118	.117	.117	.117	.116	.116	.115	.115	.114	.114	.113	.113
11000	.116	.115	.115	.114	.114	.114	.113	.113	.112	.112	.111	.111	.110	.110	.110	.109
11500	.112	.111	.111	.111	.110	.110	.109	.109	.109	.108	.108	.107	.107	.106	.106	.106
12000	.108	.108	.107	.107	.107	.106	.106	.106	.105	.105	.104	.104	.103	.103	.103	.102
12500	.105	.104	.104	.104	.103	.103	.103	.102	.102	.101	.101	.101	.100	.100	.099	.099
13000	.101	.101	.101	.100	.100	.100	.099	.099	.099	.098	.098	.098	.097	.097	.096	.096
13500	.098	.098	.098	.097	.097	.097	.096	.096	.096	.095	.095	.095	.094	.094	.094	.093
14000	.095	.095	.095	.095	.094	.094	.094	.093	.093	.093	.092	.092	.092	.091	.091	.091
14500	.093	.092	.092	.092	.092	.091	.091	.091	.090	.090	.090	.089	.089	.088	.088	.088
15000	.090	.090	.089	.089	.089	.089	.088	.088	.088	.087	.087	.087	.086	.086	.086	.086
15500	.087	.087	.087	.087	.086	.086	.086	.086	.085	.085	.085	.084	.084	.084	.084	.083
16000	.085	.085	.085	.084	.084	.084	.084	.083	.083	.083	.082	.082	.082	.081	.081	.081
17000	.081	.080	.080	.080	.080	.079	.079	.079	.079	.078	.078	.078	.078	.077	.077	.077
18000	.076	.076	.076	.076	.076	.075	.075	.075	.075	.074	.074	.074	.074	.073	.073	.073
19000	.073	.072	.072	.072	.072	.072	.072	.071	.071	.071	.071	.070	.070	.070	.070	.070
20000	.069	.069	.069	.069	.069	.068	.068	.068	.068	.067	.067	.067	.067	.067	.067	.066
21000	.066	.066	.066	.066	.065	.065	.065	.065	.065	.064	.064	.064	.064	.064	.064	.063
22000	.063	.063	.063	.063	.062	.062	.062	.062	.062	.061	.061	.061	.061	.061	.061	.061
23000	.060	.060	.060	.060	.060	.059	.059	.059	.059	.059	.059	.059	.058	.058	.058	.058
24000	.058	.058	.058	.057	.057	.057	.057	.057	.057	.056	.056	.056	.056	.056	.056	.056
25000	.055	.055	.055	.055	.055	.055	.055	.055	.054	.054	.054	.054	.054	.054	.054	.053
26000	.053	.053	.053	.053	.053	.053	.053	.052	.052	.052	.052	.052	.052	.051	.051	.051
27000	.051	.051	.051	.051	.051	.051	.050	.050	.050	.050	.050	.050	.050	.049	.049	.049
28000	.049	.049	.049	.049	.049	.049	.049	.048	.048	.048	.048	.048	.048	.048	.048	.047
29000	.047	.047	.047	.047	.047	.047	.047	.047	.047	.046	.046	.046	.046	.046	.046	.046
30000	.046	.046	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.044	.044	.044
31000	.044	.044	.044	.044	.044	.044	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043
32000	.043	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.041	.041	.041
37000	.036	.036	.036	.036	.036	.036	.036	.036	.036	.035	.035	.035	.035	.035	.035	.035
42000	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.030	.030	.030
47000	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027
52000	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024
57000	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021	.021
62000	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019
67000	.018	.018	.018	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017
72000	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
77000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.014	.014	.014
82000	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013

G-247

HETA=140.0 DEGREES DELTA= 30.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
KA*																
1700	.249															
1800	.246	.243														
1900	.242	.239	.237													
2000	.237	.236	.233	.231												
2100	.235	.233	.230	.227	.225											
2200	.232	.230	.227	.224	.222	.219										
2300	.227	.227	.224	.221	.219	.216	.214									
2400	.226	.224	.221	.218	.216	.213	.211	.208								
2500	.223	.221	.218	.216	.213	.211	.208	.205	.203							
2600	.220	.218	.215	.213	.210	.208	.205	.203	.200	.198						
2700	.217	.215	.213	.210	.208	.205	.203	.200	.198	.195	.193	.190	.188			
2800	.215	.212	.210	.207	.205	.203	.200	.198	.195	.193	.190	.188	.186	.183		
2900	.212	.210	.207	.205	.202	.200	.198	.195	.193	.190	.188	.186	.183	.181	.178	
3000	.209	.207	.205	.202	.200	.198	.195	.193	.191	.188	.186	.184	.181	.179	.177	.174
3100	.207	.205	.202	.200	.198	.195	.193	.191	.188	.186	.184	.181	.179	.177	.174	.172
3200	.204	.202	.200	.198	.195	.193	.191	.188	.186	.184	.181	.179	.177	.174	.172	.169
3400	.200	.197	.195	.193	.191	.188	.186	.184	.182	.179	.177	.175	.172	.170	.168	.165
3600	.195	.193	.191	.188	.186	.184	.182	.180	.177	.175	.173	.171	.168	.166	.164	.161
3800	.190	.188	.186	.184	.182	.180	.178	.176	.173	.171	.169	.167	.165	.162	.160	.158
4000	.186	.184	.182	.180	.178	.176	.174	.172	.170	.167	.165	.163	.161	.159	.156	.154
4200	.182	.180	.178	.176	.174	.172	.170	.168	.166	.164	.162	.160	.157	.155	.153	.151
4400	.178	.176	.174	.172	.170	.168	.166	.164	.162	.160	.158	.156	.154	.152	.150	.148
4600	.174	.173	.171	.169	.167	.165	.163	.161	.159	.157	.155	.153	.151	.149	.147	.144
4800	.171	.169	.167	.165	.163	.161	.159	.158	.156	.154	.152	.150	.148	.146	.143	.141
5000	.167	.165	.164	.162	.160	.158	.156	.154	.152	.150	.149	.147	.145	.143	.141	.138
5200	.164	.162	.160	.159	.157	.155	.153	.151	.149	.147	.146	.144	.142	.140	.138	.136
5400	.161	.159	.157	.155	.154	.152	.150	.148	.146	.145	.143	.141	.139	.137	.135	.133
5600	.157	.156	.154	.152	.151	.149	.147	.145	.144	.142	.140	.138	.136	.134	.132	.130
5800	.154	.153	.151	.149	.148	.146	.144	.143	.141	.139	.137	.135	.134	.132	.130	.128
6000	.151	.150	.148	.147	.145	.143	.142	.140	.138	.136	.135	.133	.131	.129	.127	.125
6200	.149	.147	.145	.144	.142	.141	.139	.137	.136	.134	.132	.130	.129	.127	.125	.123
6400	.146	.144	.143	.141	.140	.138	.136	.135	.133	.131	.130	.128	.126	.124	.123	.121
6600	.143	.142	.140	.139	.137	.135	.134	.132	.131	.129	.127	.126	.124	.122	.120	.118
6800	.141	.139	.138	.136	.135	.133	.131	.130	.128	.127	.125	.123	.122	.120	.118	.116
7000	.138	.137	.135	.134	.132	.131	.129	.128	.126	.124	.123	.121	.119	.118	.116	.114
7200	.136	.134	.133	.131	.130	.128	.127	.125	.124	.122	.121	.119	.117	.116	.114	.112
7400	.133	.132	.131	.129	.128	.126	.125	.123	.122	.120	.119	.117	.115	.114	.112	.110
7600	.131	.130	.128	.127	.125	.124	.123	.121	.120	.118	.117	.115	.113	.112	.110	.108
7800	.129	.128	.126	.125	.123	.122	.121	.119	.118	.116	.115	.113	.111	.110	.108	.107
8000	.127	.125	.124	.123	.121	.120	.119	.117	.116	.114	.113	.111	.110	.108	.106	.105
8500	.122	.120	.119	.118	.116	.115	.114	.112	.111	.110	.108	.107	.105	.104	.102	.100
9000	.117	.116	.114	.113	.112	.111	.109	.108	.107	.105	.104	.102	.101	.100	.098	.097
9500	.112	.111	.110	.109	.108	.106	.105	.104	.103	.101	.100	.099	.097	.096	.094	.093
10000	.108	.107	.106	.105	.104	.102	.101	.100	.099	.098	.096	.095	.094	.092	.091	.089
10500	.104	.103	.102	.101	.100	.099	.098	.096	.095	.094	.093	.091	.090	.089	.087	.086
11000	.101	.100	.099	.097	.096	.095	.094	.093	.092	.091	.090	.088	.087	.086	.084	.083
11500	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088	.086	.085	.084	.083	.081	.080
12000	.094	.093	.092	.091	.090	.089	.088	.087	.086	.085	.084	.082	.081	.080	.079	.077
12500	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.077	.076	.075
13000	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073
13500	.085	.084	.083	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.071	.070
14000	.082	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068
14500	.080	.079	.078	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066
15000	.078	.077	.076	.075	.074	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064
15500	.075	.075	.074	.073	.072	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062
16000	.073	.073	.072	.071	.070	.069	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060
17000	.069	.069	.068	.067	.066	.066	.065	.064	.063	.063	.062	.061	.060	.059	.058	.057
18000	.066	.065	.064	.064	.063	.062	.062	.061	.060	.059	.059	.058	.057	.056	.055	.054
19000	.062	.062	.061	.060	.060	.059	.058	.058	.057	.056	.056	.055	.054	.053	.052	.051
20000	.059	.059	.058	.058	.057	.056	.056	.055	.054	.054	.053	.052	.051	.051	.050	.049
21000	.056	.056	.055	.055	.054	.054	.053	.052	.052	.051	.050	.050	.049	.048	.047	.047
22000	.054	.053	.053	.052	.052	.051	.051	.050	.049	.049	.048	.047	.047	.046	.045	.044
23000	.052	.051	.051	.050	.049	.049	.048	.048	.047	.047	.046	.045	.045	.044	.043	.042
24000	.049	.049	.048	.048	.047	.047	.046	.046	.045	.045	.044	.043	.043	.042	.041	.041
25000	.047	.047	.046	.046	.045	.045	.044	.044	.043	.043	.042	.042	.041	.040	.040	.039
26000	.045	.045	.044	.044	.044	.043	.043	.042	.042	.041	.040	.040	.039	.039	.038	.037
27000	.044	.043	.043	.042	.042	.041	.041	.040	.040	.039	.039	.038	.038	.037	.037	.036
28000	.042	.041	.041	.041	.040	.040	.039	.039	.038	.038	.037	.037	.036	.036	.035	.034
29000	.040	.040	.039	.039	.039	.038	.038	.037	.037	.036	.036	.035	.035	.034	.034	.033
30000	.039	.038	.038	.038	.037	.037	.036	.036	.036	.035	.035	.034	.034	.033	.033	.032
31000	.037	.037	.037	.036	.036	.036	.035	.035	.034	.034	.033	.033	.032	.032	.031	.031
32000	.036	.036	.035	.035	.035	.034	.034	.034	.033	.033	.032	.032	.031	.031	.030	.030
37000	.031	.030	.030	.030	.029	.029	.029	.028	.028	.028	.027	.027	.027	.026	.026	.025
42000	.026	.026	.026	.026	.025	.025	.025	.024	.024	.024	.024	.023	.023	.022	.022	.022
47000	.023	.023	.023	.022	.022	.022	.022	.021	.021	.021	.021	.020	.020	.020	.019	.019
52000	.020	.020	.020	.020	.020	.019	.019	.019	.019	.018	.018	.018	.018	.017	.017	.017
57000	.018	.018	.018	.018	.017	.017	.017	.017	.017	.016	.016	.016	.016	.015	.015	.015
62000	.016	.016	.016	.016	.016	.015	.015	.015	.015	.015	.015	.014	.014	.014	.014	.013
67000	.015	.015	.014	.014	.014	.014	.014	.014	.014	.013	.013	.013	.013	.013	.012	.012
72000	.013	.013	.013	.013	.013	.013	.013	.012	.012	.012	.012	.012	.012	.011	.011	.011
77000	.012	.012	.012	.012	.012	.012	.012	.011	.011	.011	.011	.011	.011	.011	.010	.010
82000	.011	.011	.011	.011	.011	.011	.011	.011	.010	.010	.010	.010	.010	.010	.010	.009

G-247

ETA=140.0 DEGREES

DELTA= 40.0 DEGREES

*KP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.204															
1800	.201	.195														
1900	.197	.192	.187													
2000	.194	.189	.184	.179												
2100	.191	.186	.181	.176	.170											
2200	.188	.183	.178	.173	.167	.162										
2300	.185	.180	.175	.170	.165	.159	.154									
2400	.182	.177	.172	.167	.162	.157	.151	.146								
2500	.179	.175	.170	.165	.159	.154	.149	.143	.137							
2600	.177	.172	.167	.162	.157	.152	.146	.141	.135	.129						
2700	.174	.169	.164	.160	.154	.149	.144	.138	.133	.127	.120					
2800	.172	.167	.162	.157	.152	.147	.142	.136	.130	.124	.118	.112				
2900	.169	.164	.160	.155	.150	.145	.139	.134	.128	.122	.116	.110	.103			
3000	.167	.162	.157	.152	.148	.142	.137	.132	.126	.120	.114	.108	.101	.093		
3100	.164	.160	.155	.150	.145	.140	.135	.130	.124	.118	.112	.106	.099	.091	.083	
3200	.162	.157	.153	.148	.143	.138	.133	.128	.122	.116	.110	.104	.097	.089	.081	.072
3400	.158	.153	.149	.144	.139	.134	.129	.124	.118	.112	.106	.100	.093	.086	.077	.068
3600	.153	.149	.145	.140	.135	.130	.125	.120	.115	.109	.103	.096	.089	.082	.074	.065
3800	.149	.145	.141	.136	.132	.127	.122	.116	.111	.105	.099	.093	.086	.079	.070	.061
4000	.146	.141	.137	.133	.128	.123	.118	.113	.108	.102	.096	.090	.083	.075	.067	.058
4200	.142	.138	.134	.129	.125	.120	.115	.110	.105	.099	.093	.087	.080	.072	.064	.054
4400	.139	.134	.130	.126	.121	.117	.112	.107	.102	.096	.090	.084	.077	.069	.061	.051
4600	.135	.131	.127	.123	.118	.114	.109	.104	.099	.093	.087	.081	.074	.067	.058	.048
4800	.132	.128	.124	.120	.115	.111	.106	.101	.096	.091	.085	.078	.072	.064	.056	.045
5000	.129	.125	.121	.117	.113	.108	.103	.099	.093	.088	.082	.076	.069	.062	.053	.043
5200	.126	.122	.118	.114	.110	.106	.101	.096	.091	.086	.080	.074	.067	.059	.050	.040
5400	.123	.119	.116	.112	.107	.103	.098	.094	.089	.083	.078	.071	.065	.057	.048	.037
5600	.120	.117	.113	.109	.105	.101	.096	.091	.086	.081	.075	.069	.062	.055	.046	.035
5800	.118	.114	.110	.107	.102	.098	.094	.089	.084	.079	.073	.067	.060	.053	.044	.032
6000	.115	.112	.108	.104	.100	.096	.092	.087	.082	.077	.071	.065	.058	.051	.042	.030
6200	.113	.109	.106	.102	.098	.094	.090	.085	.080	.075	.069	.063	.056	.049	.039	.027
6400	.111	.107	.104	.100	.096	.092	.087	.083	.078	.073	.067	.061	.055	.047	.038	.025
6600	.108	.105	.101	.098	.094	.090	.086	.081	.076	.071	.066	.060	.053	.045	.036	.022
6800	.106	.103	.099	.096	.092	.088	.084	.079	.075	.069	.064	.058	.051	.043	.034	.020
7000	.104	.101	.097	.094	.090	.086	.082	.077	.073	.068	.062	.056	.050	.042	.032	.017
7200	.102	.099	.095	.092	.088	.084	.080	.076	.071	.066	.061	.055	.048	.040	.030	.000
7400	.100	.097	.094	.090	.086	.083	.078	.074	.070	.065	.059	.053	.047	.039	.029	.000
7600	.098	.095	.092	.088	.085	.081	.077	.073	.068	.063	.058	.052	.045	.037	.027	.000
7800	.096	.093	.090	.087	.083	.079	.075	.071	.067	.062	.056	.051	.044	.036	.025	.000
8000	.095	.092	.088	.085	.081	.078	.074	.070	.065	.060	.055	.049	.042	.034	.024	.000
8500	.090	.087	.084	.081	.078	.074	.070	.066	.062	.057	.052	.046	.039	.031	.020	.000
9000	.087	.084	.081	.077	.074	.071	.067	.063	.059	.054	.049	.043	.037	.028	.000	.000
9500	.083	.080	.077	.074	.071	.068	.064	.060	.056	.051	.046	.041	.034	.026	.000	.000
10000	.080	.077	.074	.071	.068	.065	.061	.057	.053	.049	.044	.038	.032	.023	.000	.000
10500	.076	.074	.071	.068	.065	.062	.058	.055	.051	.046	.042	.036	.029	.021	.000	.000
11000	.074	.071	.068	.066	.063	.059	.056	.052	.049	.044	.040	.034	.027	.018	.000	.000
11500	.071	.068	.066	.063	.060	.057	.054	.050	.046	.042	.038	.032	.025	.000	.000	.000
12000	.068	.066	.063	.061	.058	.055	.052	.048	.045	.040	.036	.030	.024	.000	.000	.000
12500	.066	.063	.061	.058	.056	.053	.050	.046	.043	.039	.034	.029	.022	.000	.000	.000
13000	.064	.061	.059	.056	.054	.051	.048	.045	.041	.037	.033	.027	.021	.000	.000	.000
13500	.061	.059	.057	.054	.052	.049	.046	.043	.039	.036	.031	.026	.019	.000	.000	.000
14000	.059	.057	.055	.053	.050	.047	.045	.041	.038	.034	.030	.025	.018	.000	.000	.000
14500	.057	.055	.053	.051	.048	.046	.043	.040	.037	.033	.029	.023	.000	.000	.000	.000
15000	.056	.054	.052	.049	.047	.044	.042	.039	.035	.032	.027	.022	.000	.000	.000	.000
15500	.054	.052	.050	.048	.045	.043	.040	.037	.034	.030	.026	.021	.000	.000	.000	.000
16000	.052	.050	.048	.046	.044	.041	.039	.036	.033	.029	.025	.020	.000	.000	.000	.000
17000	.049	.047	.046	.044	.041	.039	.036	.034	.031	.027	.023	.018	.000	.000	.000	.000
18000	.047	.045	.043	.041	.039	.037	.034	.032	.029	.025	.022	.017	.000	.000	.000	.000
19000	.044	.042	.041	.039	.037	.035	.032	.030	.027	.024	.020	.000	.000	.000	.000	.000
20000	.042	.040	.039	.037	.035	.033	.031	.028	.025	.022	.019	.000	.000	.000	.000	.000
21000	.040	.038	.037	.035	.033	.031	.029	.027	.024	.021	.017	.000	.000	.000	.000	.000
22000	.038	.036	.035	.033	.031	.030	.027	.025	.023	.020	.016	.000	.000	.000	.000	.000
23000	.036	.035	.033	.032	.030	.028	.026	.024	.021	.019	.015	.000	.000	.000	.000	.000
24000	.034	.033	.032	.030	.029	.027	.025	.023	.020	.018	.014	.000	.000	.000	.000	.000
25000	.033	.032	.030	.029	.027	.026	.024	.022	.019	.017	.014	.000	.000	.000	.000	.000
26000	.032	.030	.029	.028	.026	.024	.023	.021	.018	.016	.013	.000	.000	.000	.000	.000
27000	.030	.029	.028	.026	.025	.023	.022	.020	.018	.015	.000	.000	.000	.000	.000	.000
28000	.029	.028	.027	.025	.024	.022	.021	.019	.017	.014	.000	.000	.000	.000	.000	.000
29000	.028	.027	.026	.024	.023	.022	.020	.018	.016	.014	.000	.000	.000	.000	.000	.000
30000	.027	.026	.025	.023	.022	.021	.019	.017	.015	.013	.000	.000	.000	.000	.000	.000
31000	.026	.025	.024	.023	.021	.020	.018	.017	.015	.013	.000	.000	.000	.000	.000	.000
32000	.025	.024	.023	.022	.020	.019	.018	.016	.014	.012	.000	.000	.000	.000	.000	.000
37000	.021	.020	.019	.018	.017	.016	.015	.013	.012	.010	.000	.000	.000	.000	.000	.000
42000	.018	.017	.016	.016	.015	.014	.013	.011	.010	.000	.000	.000	.000	.000	.000	.000
47000	.016	.015	.014	.014	.013	.012	.011	.010	.008	.000	.000	.000	.000	.000	.000	.000
52000	.014	.013	.013	.012	.011	.010	.010	.009	.007	.000	.000	.000	.000	.000	.000	.000
57000	.012	.012	.011	.011	.010	.009	.008	.008	.007	.000	.000	.000	.000	.000	.000	.000
62000	.011	.011	.010	.009	.009	.008	.008	.007	.006	.000	.000	.000	.000	.000	.000	.000
67000	.010	.010	.009	.009	.008	.007	.007	.006	.005	.000	.000	.000	.000	.000	.000	.000
72000	.009	.009	.008	.008	.007	.007	.006	.005	.005	.000	.000	.000	.000	.000	.000	.000
77000	.008	.008	.008	.007	.007	.006	.006	.005	.004	.000	.000	.000	.000	.000	.000	.000
82000	.008	.007	.007	.007	.006	.006	.005	.005	.000	.000	.000	.000	.000	.000	.000	.000

BETA=140.0 DEGREES DELTA= 50.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.096															
1800	.092	.072														
1900	.089	.069	.040													
2000	.085	.065	.034	.000												
2100	.082	.061	.027	.000	.000											
2200	.079	.057	.020	.000	.000	.000										
2300	.076	.054	.007	.000	.000	.000	.000									
2400	.073	.050	.000	.000	.000	.000	.000	.000								
2500	.070	.047	.000	.000	.000	.000	.000	.000	.000							
2600	.067	.043	.000	.000	.000	.000	.000	.000	.000	.000						
2700	.064	.039	.000	.000	.000	.000	.000	.000	.000	.000	.000					
2800	.062	.036	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000				
2900	.059	.032	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			
3000	.057	.028	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		
3100	.054	.024	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
3200	.052	.020	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3400	.047	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3600	.043	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3800	.039	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4000	.035	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4200	.030	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4400	.026	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4600	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

G-247

BETA=160.0 DEGREES DELTA= 0.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.290															
1800	.286	.285														
1900	.282	.281	.280													
2000	.278	.277	.276	.275												
2100	.274	.273	.273	.272	.271											
2200	.271	.270	.269	.268	.268	.267										
2300	.267	.267	.266	.265	.264	.263	.263									
2400	.264	.263	.262	.262	.261	.260	.259	.259								
2500	.261	.260	.259	.258	.258	.257	.256	.256	.255							
2600	.257	.257	.256	.255	.255	.254	.253	.253	.252	.251						
2700	.254	.254	.253	.252	.252	.251	.250	.250	.249	.248	.248					
2800	.251	.251	.250	.249	.249	.248	.247	.247	.246	.246	.245	.244				
2900	.248	.248	.247	.246	.246	.245	.244	.244	.243	.243	.242	.242	.241			
3000	.245	.245	.244	.243	.243	.242	.242	.241	.240	.240	.239	.239	.238	.238		
3100	.242	.242	.241	.241	.240	.239	.239	.238	.238	.237	.237	.236	.236	.235	.235	
3200	.240	.239	.238	.238	.237	.237	.236	.236	.235	.234	.234	.233	.233	.232	.232	.232
3400	.234	.234	.233	.232	.232	.231	.231	.230	.230	.229	.229	.229	.228	.228	.227	.227
3600	.229	.228	.228	.227	.227	.226	.226	.225	.225	.224	.224	.223	.223	.223	.222	.222
3800	.224	.223	.223	.222	.222	.221	.221	.220	.220	.219	.219	.219	.218	.218	.218	.218
4000	.219	.218	.218	.218	.217	.217	.216	.216	.216	.215	.215	.214	.214	.214	.213	.213
4200	.214	.214	.213	.213	.213	.212	.212	.212	.211	.211	.210	.210	.210	.209	.209	.209
4400	.210	.209	.209	.209	.208	.208	.208	.207	.207	.207	.206	.206	.206	.205	.205	.205
4600	.205	.205	.205	.204	.204	.204	.203	.203	.203	.202	.202	.202	.201	.201	.201	.201
4800	.201	.201	.201	.200	.200	.200	.199	.199	.199	.199	.198	.198	.198	.197	.197	.197
5000	.197	.197	.197	.196	.196	.196	.196	.195	.195	.195	.194	.194	.194	.193	.193	.193
5200	.193	.193	.193	.193	.192	.192	.192	.192	.191	.191	.191	.191	.190	.190	.190	.190
5400	.190	.189	.189	.189	.189	.188	.188	.188	.188	.187	.187	.187	.187	.186	.186	.186
5600	.186	.186	.186	.185	.185	.185	.185	.184	.184	.184	.184	.184	.183	.183	.183	.183
5800	.183	.182	.182	.182	.182	.181	.181	.181	.181	.181	.181	.180	.180	.180	.180	.180
6000	.179	.179	.179	.179	.178	.178	.178	.178	.177	.177	.177	.177	.177	.177	.177	.177
6200	.176	.176	.176	.175	.175	.175	.175	.175	.174	.174	.174	.174	.174	.174	.174	.174
6400	.173	.173	.172	.172	.172	.172	.172	.172	.171	.171	.171	.171	.171	.171	.171	.171
6600	.170	.170	.169	.169	.169	.169	.169	.169	.168	.168	.168	.168	.168	.168	.168	.168
6800	.167	.167	.166	.166	.166	.166	.166	.166	.166	.165	.165	.165	.165	.165	.165	.165
7000	.164	.164	.164	.163	.163	.163	.163	.163	.163	.163	.162	.162	.162	.162	.162	.162
7200	.161	.161	.161	.161	.161	.160	.160	.160	.160	.160	.160	.160	.160	.160	.160	.160
7400	.158	.158	.158	.158	.158	.158	.158	.157	.157	.157	.157	.157	.157	.157	.157	.157
7600	.156	.156	.155	.155	.155	.155	.155	.155	.155	.155	.155	.155	.155	.155	.155	.155
7800	.153	.153	.153	.153	.153	.153	.153	.152	.152	.152	.152	.152	.152	.152	.152	.152
8000	.151	.151	.150	.150	.150	.150	.150	.150	.150	.150	.150	.150	.150	.150	.150	.150
8500	.145	.145	.145	.144	.144	.144	.144	.144	.144	.144	.144	.144	.144	.144	.144	.144
9000	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139	.139
9500	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134
10000	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129
10500	.124	.124	.124	.125	.125	.125	.125	.125	.125	.125	.125	.125	.125	.125	.125	.125
11000	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120
11500	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116
12000	.112	.112	.112	.112	.112	.113	.113	.113	.113	.113	.113	.113	.113	.113	.113	.113
12500	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109
13000	.105	.105	.105	.105	.105	.106	.106	.106	.106	.106	.106	.106	.106	.106	.106	.106
13500	.102	.102	.102	.102	.102	.102	.102	.103	.103	.103	.103	.103	.103	.103	.103	.103
14000	.099	.099	.099	.099	.099	.099	.099	.099	.099	.100	.100	.100	.100	.100	.100	.100
14500	.096	.096	.096	.096	.096	.096	.096	.097	.097	.097	.097	.097	.097	.097	.097	.097
15000	.093	.093	.093	.093	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094
15500	.091	.091	.091	.091	.091	.091	.091	.091	.091	.091	.091	.092	.092	.092	.092	.092
16000	.088	.088	.088	.088	.088	.088	.088	.089	.089	.089	.089	.089	.089	.089	.089	.089
17000	.083	.083	.084	.084	.084	.084	.084	.084	.084	.084	.084	.084	.084	.085	.085	.085
18000	.079	.079	.079	.079	.079	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.081
19000	.075	.075	.075	.075	.076	.076	.076	.076	.076	.076	.076	.076	.076	.076	.077	.077
20000	.071	.072	.072	.072	.072	.072	.072	.072	.072	.072	.073	.073	.073	.073	.073	.073
21000	.068	.068	.068	.068	.069	.069	.069	.069	.069	.069	.069	.069	.069	.070	.070	.070
22000	.065	.065	.065	.065	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.067	.067
23000	.062	.062	.062	.063	.063	.063	.063	.063	.063	.063	.063	.063	.064	.064	.064	.064
24000	.060	.060	.060	.060	.060	.060	.060	.060	.060	.061	.061	.061	.061	.061	.061	.061
25000	.057	.057	.057	.057	.058	.058	.058	.058	.058	.058	.058	.058	.058	.059	.059	.059
26000	.055	.055	.055	.055	.055	.055	.055	.056	.056	.056	.056	.056	.056	.056	.056	.056
27000	.053	.053	.053	.053	.053	.053	.053	.053	.054	.054	.054	.054	.054	.054	.054	.054
28000	.051	.051	.051	.051	.051	.051	.051	.051	.052	.052	.052	.052	.052	.052	.052	.052
29000	.049	.049	.049	.049	.049	.049	.049	.050	.050	.050	.050	.050	.050	.050	.050	.050
30000	.047	.047	.047	.047	.047	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048
31000	.045	.045	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.047	.047	.047	.047
32000	.044	.044	.044	.044	.044	.044	.044	.045	.045	.045	.045	.045	.045	.045	.045	.045
37000	.037	.037	.037	.037	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.039
42000	.032	.032	.032	.032	.032	.032	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033
47000	.028	.028	.028	.028	.028	.028	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029
52000	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.026	.026	.026	.026	.026	.026
57000	.022	.022	.022	.022	.022	.022	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023
62000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.021	.021	.021	.021	.021	.021
67000	.018	.018	.018	.018	.018	.018	.018	.018	.018	.019	.019	.019	.019	.019	.019	.019
72000	.016	.016	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017
77000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.016	.016	.016	.016	.016	.016	.016
82000	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014

G-247

BETA=160.0 DEGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.286															
1800	.282	.281														
1900	.278	.277	.276													
2000	.274	.273	.272	.271												
2100	.271	.270	.269	.268	.267											
2200	.267	.266	.265	.264	.263	.262										
2300	.264	.263	.262	.261	.260	.259	.258									
2400	.260	.259	.258	.258	.257	.256	.255	.254								
2500	.257	.256	.255	.254	.253	.252	.251	.250	.250							
2600	.254	.253	.252	.251	.250	.250	.249	.248	.247	.246						
2700	.251	.250	.249	.248	.247	.247	.246	.245	.244	.244	.243					
2800	.248	.247	.246	.245	.244	.244	.243	.242	.241	.241	.240	.239				
2900	.245	.244	.243	.242	.242	.241	.240	.239	.239	.238	.237	.237	.236			
3000	.242	.241	.240	.239	.239	.238	.237	.237	.236	.235	.235	.234	.233	.233		
3100	.239	.238	.237	.237	.236	.235	.235	.234	.233	.233	.232	.231	.231	.230	.229	
3200	.236	.235	.235	.234	.233	.233	.232	.231	.231	.230	.229	.229	.228	.227	.227	.226
3400	.231	.230	.229	.229	.228	.227	.227	.226	.225	.225	.224	.224	.223	.223	.222	.221
3600	.225	.225	.224	.224	.223	.222	.222	.221	.221	.220	.219	.219	.218	.218	.217	.217
3800	.220	.220	.219	.219	.218	.218	.217	.216	.216	.215	.215	.214	.214	.213	.213	.212
4000	.216	.215	.215	.214	.213	.213	.212	.212	.211	.211	.210	.210	.209	.209	.208	.208
4200	.211	.211	.210	.209	.209	.208	.208	.207	.207	.206	.206	.205	.205	.204	.204	.204
4400	.207	.206	.206	.205	.205	.204	.204	.203	.203	.202	.202	.201	.201	.201	.200	.200
4600	.202	.202	.201	.201	.200	.200	.200	.199	.199	.198	.198	.197	.197	.197	.196	.196
4800	.198	.198	.197	.197	.196	.196	.196	.195	.195	.194	.194	.194	.193	.193	.192	.192
5000	.194	.194	.193	.193	.193	.192	.192	.191	.191	.191	.190	.190	.189	.189	.189	.188
5200	.190	.190	.190	.189	.189	.188	.188	.188	.187	.187	.187	.186	.186	.186	.185	.185
5400	.187	.186	.186	.186	.185	.185	.185	.184	.184	.183	.183	.183	.182	.182	.182	.181
5600	.183	.183	.182	.182	.182	.181	.181	.181	.180	.180	.180	.179	.179	.179	.178	.178
5800	.180	.179	.179	.179	.178	.178	.178	.177	.177	.177	.176	.176	.176	.175	.175	.175
6000	.176	.176	.176	.175	.175	.175	.174	.174	.174	.174	.173	.173	.173	.172	.172	.172
6200	.173	.173	.173	.172	.172	.172	.171	.171	.171	.171	.170	.170	.170	.169	.169	.169
6400	.170	.170	.169	.169	.169	.168	.168	.168	.168	.167	.167	.167	.167	.166	.166	.166
6600	.167	.167	.166	.166	.166	.166	.165	.165	.165	.165	.164	.164	.164	.163	.163	.163
6800	.164	.164	.163	.163	.163	.163	.163	.162	.162	.162	.162	.161	.161	.161	.161	.160
7000	.161	.161	.161	.160	.160	.160	.160	.159	.159	.159	.159	.158	.158	.158	.158	.158
7200	.158	.158	.158	.158	.157	.157	.157	.157	.156	.156	.156	.156	.155	.155	.155	.155
7400	.156	.155	.155	.155	.155	.155	.154	.154	.154	.154	.154	.153	.153	.153	.153	.153
7600	.153	.153	.153	.152	.152	.152	.152	.152	.152	.151	.151	.151	.151	.151	.150	.150
7800	.151	.150	.150	.150	.150	.149	.149	.149	.149	.149	.149	.148	.148	.148	.148	.148
8000	.148	.148	.148	.148	.147	.147	.147	.147	.147	.146	.146	.146	.146	.146	.146	.146
8500	.142	.142	.142	.142	.142	.141	.141	.141	.141	.141	.141	.141	.141	.140	.140	.140
9000	.137	.137	.137	.136	.136	.136	.136	.136	.136	.136	.136	.135	.135	.135	.135	.135
9500	.132	.132	.131	.131	.131	.131	.131	.131	.131	.131	.131	.131	.130	.130	.130	.130
10000	.127	.127	.127	.127	.126	.126	.126	.126	.126	.126	.126	.126	.126	.126	.126	.126
10500	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.122	.121	.121	.121	.121
11000	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.118	.117	.117	.117	.117	.117
11500	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.114	.113	.113	.113
12000	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110	.110
12500	.107	.107	.107	.107	.107	.107	.107	.107	.107	.107	.107	.107	.106	.106	.106	.106
13000	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103
13500	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100
14000	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097	.097
14500	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094
15000	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092	.092
15500	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089
16000	.086	.086	.087	.087	.087	.087	.087	.087	.087	.087	.087	.087	.087	.087	.087	.087
17000	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082
18000	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078	.078
19000	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074
20000	.070	.070	.070	.070	.070	.070	.071	.071	.071	.071	.071	.071	.071	.071	.071	.071
21000	.067	.067	.067	.067	.067	.067	.067	.067	.067	.067	.067	.068	.068	.068	.068	.068
22000	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.065	.065	.065	.065	.065
23000	.061	.061	.061	.061	.061	.061	.061	.062	.062	.062	.062	.062	.062	.062	.062	.062
24000	.058	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059
25000	.056	.056	.056	.056	.056	.056	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057
26000	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.055	.055	.055	.055	.055	.055
27000	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.053	.053	.053
28000	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.051	.051	.051	.051
29000	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.049	.049	.049	.049	.049	.049
30000	.046	.046	.046	.046	.046	.046	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
31000	.044	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045
32000	.043	.043	.043	.043	.043	.043	.043	.043	.044	.044	.044	.044	.044	.044	.044	.044
37000	.036	.036	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037
42000	.031	.031	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032
47000	.027	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028
52000	.024	.024	.024	.024	.024	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025
57000	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
62000	.019	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
67000	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
72000	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.017	.017	.017	.017	.017	.017
77000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015
82000	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014

G-247

BETA=160.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.273															
1800	.270	.268														
1900	.266	.264	.263													
2000	.262	.261	.259	.257												
2100	.259	.257	.256	.254	.253											
2200	.255	.254	.252	.251	.249	.248										
2300	.252	.250	.249	.247	.246	.245	.243									
2400	.249	.247	.246	.244	.243	.242	.240	.239								
2500	.245	.244	.243	.241	.240	.239	.237	.236	.235							
2600	.242	.241	.239	.238	.237	.236	.234	.233	.232	.230						
2700	.239	.238	.237	.235	.234	.233	.231	.230	.229	.228	.226					
2800	.236	.235	.234	.232	.231	.230	.229	.227	.226	.225	.224	.222				
2900	.233	.232	.231	.230	.228	.227	.226	.225	.223	.222	.221	.220	.219			
3000	.230	.229	.228	.227	.226	.224	.223	.222	.221	.220	.218	.217	.216	.215		
3100	.228	.226	.225	.224	.223	.222	.221	.219	.218	.217	.216	.215	.214	.213	.211	
3200	.225	.224	.223	.221	.220	.219	.218	.217	.216	.215	.213	.212	.211	.210	.209	.208
3400	.220	.219	.217	.216	.215	.214	.213	.212	.211	.210	.209	.208	.207	.205	.204	.203
3600	.215	.214	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199
3800	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195
4000	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.194	.193	.192	.191
4200	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.189	.188	.187
4400	.196	.195	.195	.194	.193	.192	.191	.190	.189	.188	.187	.187	.186	.185	.184	.183
4600	.192	.191	.191	.190	.189	.188	.187	.186	.185	.184	.184	.183	.182	.181	.180	.179
4800	.188	.187	.187	.186	.185	.184	.183	.182	.182	.181	.180	.179	.178	.177	.177	.176
5000	.184	.184	.183	.182	.181	.180	.180	.179	.178	.177	.176	.176	.175	.174	.173	.172
5200	.181	.180	.179	.178	.178	.177	.176	.175	.175	.174	.173	.172	.171	.171	.170	.169
5400	.177	.176	.176	.175	.174	.173	.173	.172	.171	.170	.170	.169	.168	.167	.167	.166
5600	.174	.173	.172	.172	.171	.170	.169	.169	.168	.167	.167	.166	.165	.164	.164	.163
5800	.170	.170	.169	.168	.168	.167	.166	.166	.165	.164	.163	.163	.162	.161	.161	.160
6000	.167	.167	.166	.165	.165	.164	.163	.163	.162	.161	.160	.160	.159	.158	.158	.157
6200	.164	.163	.163	.162	.162	.161	.160	.160	.159	.158	.158	.157	.156	.156	.155	.154
6400	.161	.160	.160	.159	.159	.158	.157	.157	.156	.155	.155	.154	.153	.153	.152	.152
6600	.158	.158	.157	.156	.156	.155	.155	.154	.153	.153	.152	.151	.151	.150	.150	.149
6800	.155	.155	.154	.154	.153	.152	.152	.151	.151	.150	.149	.149	.148	.148	.147	.146
7000	.153	.152	.151	.151	.150	.150	.149	.149	.148	.147	.147	.146	.146	.145	.145	.144
7200	.150	.149	.149	.148	.148	.147	.147	.146	.146	.145	.144	.144	.143	.143	.142	.141
7400	.147	.147	.146	.146	.145	.145	.144	.144	.143	.143	.142	.141	.141	.140	.140	.139
7600	.145	.144	.144	.143	.143	.142	.142	.141	.141	.140	.140	.139	.139	.138	.137	.137
7800	.142	.142	.141	.141	.140	.140	.139	.139	.138	.138	.137	.137	.136	.136	.135	.135
8000	.140	.140	.139	.139	.138	.138	.137	.137	.136	.136	.135	.135	.134	.134	.133	.133
8500	.134	.134	.134	.133	.133	.132	.132	.131	.131	.130	.130	.129	.129	.128	.128	.127
9000	.129	.129	.128	.128	.128	.127	.127	.126	.126	.125	.125	.125	.124	.124	.123	.123
9500	.124	.124	.124	.123	.123	.122	.122	.122	.121	.121	.120	.120	.120	.119	.119	.118
10000	.120	.119	.119	.119	.118	.118	.118	.117	.117	.117	.116	.116	.115	.115	.115	.114
10500	.115	.115	.115	.115	.114	.114	.113	.113	.112	.112	.112	.111	.111	.111	.111	.110
11000	.111	.111	.111	.111	.110	.110	.110	.109	.109	.109	.108	.108	.108	.107	.107	.106
11500	.108	.107	.107	.107	.106	.106	.106	.106	.105	.105	.105	.104	.104	.104	.103	.103
12000	.104	.104	.104	.103	.103	.103	.102	.102	.102	.102	.101	.101	.101	.100	.100	.100
12500	.101	.100	.100	.100	.100	.099	.099	.099	.099	.098	.098	.098	.097	.097	.097	.096
13000	.097	.097	.097	.097	.097	.096	.096	.096	.095	.095	.095	.095	.094	.094	.094	.094
13500	.094	.094	.094	.094	.094	.093	.093	.093	.093	.092	.092	.092	.092	.091	.091	.091
14000	.092	.091	.091	.091	.091	.090	.090	.090	.090	.090	.089	.089	.089	.089	.088	.088
14500	.089	.089	.088	.088	.088	.088	.088	.087	.087	.087	.087	.086	.086	.086	.086	.085
15000	.086	.086	.086	.086	.085	.085	.085	.085	.085	.084	.084	.084	.084	.084	.083	.083
15500	.084	.084	.083	.083	.083	.083	.083	.082	.082	.082	.082	.082	.081	.081	.081	.081
16000	.081	.081	.081	.081	.081	.081	.080	.080	.080	.080	.080	.079	.079	.079	.079	.079
17000	.077	.077	.077	.077	.076	.076	.076	.076	.076	.076	.075	.075	.075	.075	.075	.074
18000	.073	.073	.073	.073	.072	.072	.072	.072	.072	.072	.071	.071	.071	.071	.071	.071
19000	.069	.069	.069	.069	.069	.069	.069	.068	.068	.068	.068	.068	.068	.068	.067	.067
20000	.066	.066	.066	.066	.066	.065	.065	.065	.065	.065	.065	.065	.065	.064	.064	.064
21000	.063	.063	.063	.063	.062	.062	.062	.062	.062	.062	.062	.062	.062	.061	.061	.061
22000	.060	.060	.060	.060	.060	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.058
23000	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057	.056	.056	.056	.056	.056
24000	.055	.055	.055	.055	.055	.055	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054
25000	.053	.053	.053	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.051
26000	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.050	.049	.049
27000	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.048	.047
28000	.047	.047	.047	.047	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046	.046
29000	.045	.045	.045	.045	.045	.045	.045	.045	.045	.044	.044	.044	.044	.044	.044	.044
30000	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.042
31000	.042	.042	.042	.042	.042	.042	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041
32000	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040
37000	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034	.034
42000	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029
47000	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	.025
52000	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023
57000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
62000	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
67000	.016	.016	.016	.017	.017	.017	.017	.017	.017	.017	.016	.016	.016	.016	.016	.016
72000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015
77000	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014
82000	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013

BETA=100.0 DEGREES DELTA= 30.0 DEGREES

*HP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.249															
1800	.246	.243														
1900	.242	.239	.237													
2000	.239	.236	.233	.231												
2100	.235	.233	.230	.227	.225											
2200	.232	.229	.227	.224	.222	.219										
2300	.229	.226	.224	.221	.219	.216	.214									
2400	.226	.223	.221	.218	.216	.213	.211	.208								
2500	.223	.220	.218	.215	.213	.210	.208	.205	.203	.200						
2600	.220	.217	.215	.212	.210	.208	.205	.203	.200	.198	.198					
2700	.217	.214	.212	.210	.207	.205	.203	.200	.198	.195	.193	.193				
2800	.214	.212	.209	.207	.205	.202	.200	.198	.195	.193	.190	.188	.188			
2900	.211	.209	.207	.204	.202	.200	.198	.195	.193	.190	.188	.186	.183	.183		
3000	.207	.206	.204	.202	.200	.197	.195	.193	.190	.188	.186	.184	.181	.178	.178	
3100	.206	.204	.202	.199	.197	.195	.193	.190	.188	.186	.184	.181	.179	.177	.174	.174
3200	.203	.201	.199	.197	.195	.193	.190	.188	.186	.184	.181	.179	.177	.175	.172	.169
3400	.193	.196	.194	.192	.190	.188	.186	.184	.182	.179	.177	.175	.173	.171	.169	.165
3600	.194	.192	.190	.188	.186	.184	.182	.179	.177	.175	.173	.171	.169	.167	.165	.162
3800	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.163	.160	.158
4000	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.163	.161	.159	.157	.155
4200	.181	.179	.177	.175	.173	.172	.170	.168	.166	.164	.162	.160	.158	.156	.153	.151
4400	.177	.175	.173	.171	.170	.168	.166	.164	.162	.160	.158	.156	.154	.152	.150	.148
4600	.173	.171	.170	.168	.166	.164	.162	.161	.159	.157	.155	.153	.151	.149	.147	.145
4800	.169	.168	.166	.164	.163	.161	.159	.157	.155	.154	.152	.150	.148	.146	.144	.142
5000	.166	.164	.162	.161	.159	.157	.156	.154	.152	.150	.149	.147	.145	.143	.141	.139
5200	.162	.161	.159	.158	.156	.154	.153	.151	.149	.147	.146	.144	.142	.140	.138	.136
5400	.159	.158	.156	.154	.153	.151	.150	.148	.146	.145	.143	.141	.139	.137	.136	.134
5600	.156	.154	.153	.151	.150	.148	.147	.145	.143	.142	.140	.138	.137	.135	.133	.131
5800	.153	.151	.150	.148	.147	.145	.144	.142	.141	.139	.137	.136	.134	.132	.130	.129
6000	.150	.148	.147	.146	.144	.143	.141	.140	.138	.136	.135	.133	.131	.130	.128	.126
6200	.147	.146	.144	.143	.141	.140	.138	.137	.135	.134	.132	.131	.129	.127	.126	.124
6400	.144	.143	.142	.140	.139	.137	.136	.134	.133	.131	.130	.128	.127	.125	.123	.122
6600	.142	.140	.139	.138	.136	.135	.133	.132	.130	.129	.127	.126	.124	.123	.121	.119
6800	.139	.138	.136	.135	.134	.132	.131	.130	.128	.127	.125	.124	.122	.121	.119	.117
7000	.136	.135	.134	.133	.131	.130	.129	.127	.126	.124	.123	.121	.120	.118	.117	.115
7200	.134	.133	.132	.130	.129	.128	.126	.125	.124	.122	.121	.119	.118	.116	.115	.113
7400	.132	.130	.129	.128	.127	.125	.124	.123	.122	.120	.119	.117	.116	.114	.113	.111
7600	.129	.128	.127	.126	.125	.123	.122	.121	.119	.118	.117	.115	.114	.112	.111	.109
7800	.127	.126	.125	.124	.122	.121	.120	.119	.117	.116	.115	.113	.112	.111	.109	.108
8000	.125	.124	.123	.122	.120	.119	.118	.117	.116	.114	.113	.112	.110	.109	.107	.106
8500	.120	.119	.118	.117	.116	.114	.113	.112	.111	.110	.108	.107	.106	.104	.103	.102
9000	.115	.114	.113	.112	.111	.110	.109	.108	.107	.105	.104	.103	.102	.100	.099	.098
9500	.111	.110	.109	.108	.107	.106	.105	.104	.103	.101	.100	.099	.098	.097	.095	.094
10000	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.095	.094	.093	.092	.091
10500	.103	.102	.101	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.087
11000	.099	.098	.097	.096	.096	.095	.094	.093	.092	.091	.090	.089	.088	.087	.086	.084
11500	.096	.095	.094	.093	.092	.091	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082
12000	.092	.092	.091	.090	.089	.088	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079
12500	.087	.089	.088	.087	.086	.085	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076
13000	.086	.086	.085	.084	.083	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.072
13500	.084	.083	.082	.082	.081	.080	.079	.079	.078	.077	.076	.075	.074	.073	.072	.071
14000	.081	.080	.080	.079	.078	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.067
14500	.079	.078	.077	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065
15000	.076	.076	.075	.074	.074	.073	.072	.072	.071	.070	.069	.068	.067	.066	.065	.064
15500	.074	.073	.073	.072	.072	.071	.070	.070	.069	.068	.067	.066	.065	.064	.063	.062
16000	.072	.071	.071	.070	.070	.069	.068	.068	.067	.066	.065	.064	.063	.062	.061	.060
17000	.069	.068	.067	.066	.066	.065	.064	.063	.063	.062	.061	.061	.060	.059	.059	.059
18000	.064	.064	.063	.063	.062	.062	.061	.061	.060	.060	.059	.058	.058	.057	.056	.056
19000	.061	.061	.060	.060	.059	.059	.058	.058	.057	.057	.056	.055	.055	.054	.053	.053
20000	.058	.058	.057	.057	.056	.056	.055	.055	.054	.054	.053	.053	.052	.052	.051	.050
21000	.055	.055	.055	.054	.054	.053	.053	.052	.052	.051	.051	.050	.050	.049	.049	.048
22000	.053	.052	.052	.052	.051	.051	.050	.050	.050	.049	.049	.048	.047	.047	.046	.046
23000	.051	.050	.050	.049	.049	.049	.048	.048	.047	.047	.046	.046	.045	.045	.044	.044
24000	.048	.048	.048	.047	.047	.047	.046	.046	.045	.045	.044	.044	.043	.043	.042	.042
25000	.046	.046	.046	.045	.045	.045	.044	.044	.043	.043	.043	.042	.042	.041	.041	.040
26000	.044	.044	.044	.043	.043	.043	.042	.042	.042	.041	.041	.040	.040	.040	.039	.039
27000	.043	.042	.042	.042	.041	.041	.041	.040	.040	.040	.039	.039	.038	.038	.038	.037
28000	.041	.041	.040	.040	.040	.040	.039	.039	.039	.038	.038	.037	.037	.037	.036	.036
29000	.039	.039	.039	.039	.038	.038	.038	.037	.037	.037	.036	.036	.035	.035	.035	.034
30000	.038	.038	.037	.037	.037	.037	.036	.036	.036	.035	.035	.035	.034	.034	.034	.033
31000	.037	.036	.036	.036	.036	.035	.035	.035	.034	.034	.034	.033	.033	.033	.032	.032
32000	.035	.035	.035	.035	.034	.034	.034	.034	.033	.033	.033	.032	.032	.032	.031	.031
37000	.030	.030	.030	.029	.029	.029	.028	.028	.028	.028	.028	.027	.027	.027	.027	.026
42000	.026	.026	.025	.025	.025	.025	.025	.024	.024	.024	.024	.023	.023	.023	.023	.023
47000	.023	.022	.022	.022	.022	.022	.022	.021	.021	.021	.021	.020	.020	.020	.020	.020
52000	.020	.020	.020	.020	.019	.019	.019	.019	.019	.019	.018	.018	.018	.018	.018	.017
57000	.018	.018	.018	.017	.017	.017	.017	.017	.017	.017	.016	.016	.016	.016	.016	.016
62000	.016	.016	.016	.016	.016	.015	.015	.015	.015	.015	.015	.015	.015	.015	.014	.014
67000	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.013	.013	.013	.013	.013	.013
72000	.013	.013	.013	.013	.013	.013	.013	.013	.012	.012	.012	.012	.012	.012	.012	.012
77000	.012	.012	.012	.012	.012	.012	.012	.011	.011	.011	.011	.011	.011	.011	.011	.011
82000	.011	.011	.011	.011	.011	.011	.011	.011	.011	.010	.010	.010	.010	.010	.010	.010

CG-247

BETA=160.0 DEGREES DELTA= 40.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.204															
1800	.201	.195														
1900	.198	.192	.187													
2000	.195	.189	.184	.179												
2100	.192	.186	.181	.176	.170											
2200	.189	.184	.179	.173	.168	.162										
2300	.186	.181	.176	.171	.165	.160	.154									
2400	.183	.178	.173	.168	.163	.157	.152	.146								
2500	.181	.176	.171	.166	.160	.155	.149	.143	.137							
2600	.178	.173	.168	.163	.158	.153	.147	.141	.135	.129						
2700	.176	.171	.166	.161	.156	.151	.145	.139	.133	.127	.120					
2800	.173	.169	.164	.159	.154	.149	.143	.137	.131	.125	.119	.112				
2900	.171	.166	.162	.157	.152	.146	.141	.135	.130	.123	.117	.110	.103			
3000	.168	.164	.159	.155	.150	.144	.139	.134	.128	.122	.115	.109	.101	.093		
3100	.166	.162	.157	.152	.148	.143	.137	.132	.126	.120	.114	.107	.100	.092	.083	
3200	.164	.160	.155	.150	.146	.141	.135	.130	.124	.118	.112	.105	.098	.091	.082	.072
3400	.160	.156	.151	.147	.142	.137	.132	.127	.121	.115	.109	.103	.096	.088	.080	.070
3600	.156	.152	.147	.143	.138	.134	.129	.123	.118	.112	.106	.100	.093	.085	.077	.068
3800	.152	.148	.144	.139	.135	.130	.125	.120	.115	.109	.104	.097	.091	.083	.075	.066
4000	.148	.144	.140	.136	.132	.127	.122	.117	.112	.107	.101	.095	.088	.081	.073	.064
4200	.145	.141	.137	.133	.128	.124	.119	.115	.110	.104	.098	.092	.086	.079	.071	.062
4400	.141	.138	.134	.130	.125	.121	.117	.112	.107	.102	.096	.090	.084	.077	.069	.060
4600	.138	.134	.131	.127	.123	.118	.114	.109	.104	.099	.094	.088	.082	.075	.067	.059
4800	.135	.131	.128	.124	.120	.116	.111	.107	.102	.097	.092	.086	.080	.073	.066	.057
5000	.132	.129	.125	.121	.117	.113	.109	.104	.100	.095	.090	.084	.078	.071	.064	.055
5200	.129	.126	.122	.118	.115	.111	.107	.102	.098	.093	.088	.082	.076	.070	.062	.054
5400	.126	.123	.120	.116	.112	.108	.104	.100	.095	.091	.086	.080	.074	.068	.061	.053
5600	.124	.120	.117	.114	.110	.106	.102	.098	.093	.089	.084	.078	.073	.066	.059	.051
5800	.121	.118	.115	.111	.108	.104	.100	.096	.091	.087	.082	.077	.071	.065	.058	.050
6000	.119	.116	.112	.109	.105	.102	.098	.094	.090	.085	.080	.075	.070	.063	.057	.049
6200	.116	.113	.110	.107	.103	.100	.096	.092	.088	.083	.079	.074	.068	.062	.055	.048
6400	.114	.111	.108	.105	.101	.098	.094	.090	.086	.082	.077	.072	.067	.061	.054	.046
6600	.112	.109	.106	.103	.099	.096	.092	.088	.084	.080	.076	.071	.065	.059	.053	.045
6800	.110	.107	.104	.101	.097	.094	.090	.087	.083	.079	.074	.069	.064	.058	.052	.044
7000	.108	.105	.102	.099	.096	.092	.089	.085	.081	.077	.073	.068	.063	.057	.051	.043
7200	.106	.103	.100	.097	.094	.091	.087	.083	.080	.076	.071	.067	.062	.056	.050	.042
7400	.104	.101	.098	.095	.092	.089	.086	.082	.078	.074	.070	.065	.060	.055	.049	.041
7600	.102	.099	.096	.093	.090	.087	.084	.080	.077	.073	.069	.064	.059	.054	.048	.041
7800	.100	.097	.095	.092	.089	.086	.082	.079	.075	.072	.067	.063	.058	.053	.047	.040
8000	.098	.096	.093	.090	.087	.084	.081	.078	.074	.070	.066	.062	.057	.052	.046	.039
8500	.094	.092	.089	.086	.084	.081	.078	.074	.071	.067	.063	.059	.054	.049	.044	.037
9000	.090	.088	.085	.083	.080	.077	.074	.071	.068	.064	.061	.057	.052	.047	.042	.035
9500	.087	.084	.082	.080	.077	.074	.071	.068	.065	.062	.058	.054	.050	.045	.040	.034
10000	.083	.081	.079	.076	.074	.071	.069	.066	.063	.059	.056	.052	.048	.043	.038	.032
10500	.080	.078	.076	.074	.071	.069	.066	.063	.060	.057	.054	.050	.046	.042	.037	.031
11000	.077	.075	.073	.071	.069	.066	.064	.061	.058	.055	.052	.048	.044	.040	.035	.029
11500	.074	.073	.070	.068	.066	.064	.061	.059	.056	.053	.050	.046	.043	.039	.034	.028
12000	.072	.070	.068	.066	.064	.062	.059	.057	.054	.051	.048	.045	.041	.037	.032	.027
12500	.069	.068	.066	.064	.062	.059	.057	.055	.052	.049	.046	.043	.040	.036	.031	.026
13000	.067	.065	.064	.062	.060	.058	.055	.053	.050	.048	.045	.042	.038	.035	.030	.025
13500	.065	.063	.061	.060	.058	.056	.054	.051	.049	.046	.043	.040	.037	.033	.029	.024
14000	.063	.061	.060	.058	.056	.054	.052	.050	.048	.046	.043	.041	.038	.035	.031	.027
14500	.061	.059	.058	.056	.054	.052	.050	.048	.046	.043	.041	.038	.035	.031	.027	.023
15000	.059	.058	.056	.054	.053	.051	.049	.047	.044	.042	.039	.037	.034	.030	.026	.022
15500	.057	.056	.054	.053	.051	.049	.047	.045	.043	.041	.038	.036	.033	.029	.025	.021
16000	.056	.054	.053	.051	.049	.048	.046	.044	.042	.040	.037	.035	.032	.028	.025	.020
17000	.053	.051	.050	.048	.047	.045	.043	.041	.039	.037	.035	.033	.030	.027	.023	.019
18000	.050	.048	.047	.046	.044	.043	.041	.039	.037	.035	.033	.031	.028	.025	.022	.018
19000	.047	.046	.045	.043	.042	.040	.039	.037	.035	.034	.031	.029	.027	.024	.021	.017
20000	.045	.044	.042	.041	.040	.038	.037	.035	.034	.032	.030	.028	.025	.023	.020	.016
21000	.043	.042	.040	.039	.038	.037	.035	.034	.032	.030	.028	.026	.024	.022	.019	.015
22000	.041	.040	.039	.037	.036	.035	.034	.032	.031	.029	.028	.026	.024	.022	.018	.014
23000	.039	.038	.037	.036	.035	.033	.032	.031	.029	.028	.026	.024	.022	.020	.017	.014
24000	.037	.036	.035	.034	.033	.032	.031	.029	.028	.026	.025	.023	.021	.019	.016	.013
25000	.036	.035	.034	.033	.032	.030	.029	.028	.027	.025	.024	.022	.020	.018	.015	.012
26000	.034	.033	.032	.031	.030	.029	.028	.027	.026	.024	.023	.021	.019	.017	.015	.012
27000	.033	.032	.031	.030	.029	.028	.027	.026	.025	.023	.022	.020	.018	.016	.014	.011
28000	.031	.031	.030	.029	.028	.027	.026	.025	.024	.022	.021	.019	.018	.016	.014	.011
29000	.030	.029	.029	.028	.027	.026	.025	.024	.023	.021	.020	.019	.017	.015	.013	.010
30000	.029	.028	.028	.027	.026	.025	.024	.023	.022	.021	.019	.018	.016	.015	.012	.010
31000	.028	.027	.027	.026	.025	.024	.023	.022	.021	.020	.019	.017	.016	.014	.012	.010
32000	.027	.026	.026	.025	.024	.023	.022	.021	.020	.019	.018	.017	.015	.014	.012	.009
37000	.023	.022	.022	.021	.020	.020	.019	.018	.017	.016	.015	.014	.013	.011	.010	.008
42000	.020	.019	.019	.018	.018	.017	.016	.016	.015	.014	.013	.012	.011	.010	.008	.007
47000	.017	.017	.016	.016	.015	.015	.014	.014	.013	.012	.011	.011	.010	.009	.007	.006
52000	.015	.015	.014	.014	.013	.013	.012	.012	.011	.011	.010	.009	.008	.007	.006	.005
57000	.013	.013	.013	.012	.012	.012	.011	.011	.010	.010	.009	.008	.008	.007	.006	.004
62000	.012	.012	.011	.011	.011	.010	.010	.010	.009	.009	.008	.007	.007	.006	.005	.004
67000	.011	.011	.010	.010	.010	.009	.009	.009	.008	.008	.007	.007	.006	.005	.004	.003
72000	.010	.010	.009	.009	.009	.009	.008	.008	.007	.007	.007	.006	.006	.005	.004	.003
77000	.009	.009	.009	.008	.008	.008	.008	.007	.007	.006	.006	.006	.005	.004	.004	.003
82000	.008	.008	.008	.008	.007	.007	.007	.007	.006	.006	.006	.005	.005	.004	.003	.003

G-247

DELTA=180.0 DEGREES DELTA= 0.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.290															
1800	.286	.285														
1900	.282	.281	.280													
2000	.278	.277	.276	.275												
2100	.274	.273	.272	.272	.271											
2200	.270	.270	.269	.268	.267	.267										
2300	.267	.266	.265	.265	.264	.263	.263									
2400	.263	.263	.262	.261	.261	.260	.259	.259								
2500	.260	.259	.259	.258	.257	.257	.256	.256	.255							
2600	.257	.256	.255	.255	.254	.254	.253	.252	.252	.251						
2700	.254	.253	.252	.252	.251	.250	.250	.249	.249	.248	.248					
2800	.250	.250	.249	.249	.248	.247	.247	.246	.246	.245	.244	.244				
2900	.247	.247	.246	.246	.245	.244	.244	.243	.243	.242	.242	.241	.241			
3000	.244	.244	.243	.243	.242	.242	.241	.241	.240	.240	.239	.238	.238	.238		
3100	.241	.241	.240	.240	.239	.239	.238	.238	.237	.237	.236	.236	.235	.235	.235	
3200	.238	.238	.237	.237	.236	.236	.235	.235	.234	.234	.233	.233	.232	.232	.232	.232
3400	.233	.232	.232	.231	.231	.231	.230	.229	.229	.229	.228	.228	.227	.227	.227	.227
3600	.228	.227	.227	.226	.226	.225	.225	.224	.224	.224	.223	.223	.222	.222	.222	.222
3800	.222	.222	.222	.221	.221	.220	.220	.219	.219	.219	.218	.218	.217	.217	.217	.217
4000	.216	.217	.217	.216	.216	.215	.215	.215	.214	.214	.214	.214	.213	.213	.213	.213
4200	.213	.212	.212	.212	.211	.211	.211	.210	.210	.210	.209	.209	.209	.209	.209	.209
4400	.208	.208	.208	.207	.207	.207	.206	.206	.206	.205	.205	.205	.205	.205	.205	.205
4600	.204	.204	.203	.203	.203	.202	.202	.202	.202	.201	.201	.201	.201	.201	.201	.201
4800	.200	.199	.199	.199	.199	.198	.198	.198	.198	.197	.197	.197	.197	.197	.197	.197
5000	.196	.195	.195	.195	.195	.194	.194	.194	.194	.194	.193	.193	.193	.193	.193	.193
5200	.192	.191	.191	.191	.191	.191	.190	.190	.190	.190	.189	.189	.189	.189	.189	.189
5400	.188	.188	.188	.187	.187	.187	.187	.187	.186	.186	.186	.186	.186	.186	.186	.186
5600	.184	.184	.184	.184	.184	.183	.183	.183	.183	.183	.182	.182	.182	.182	.182	.182
5800	.181	.181	.180	.180	.180	.180	.180	.179	.179	.179	.179	.179	.179	.179	.179	.179
6000	.177	.177	.177	.177	.177	.176	.176	.176	.176	.176	.176	.176	.176	.176	.176	.176
6200	.174	.174	.174	.174	.173	.173	.173	.173	.173	.173	.173	.173	.172	.172	.172	.172
6400	.171	.171	.171	.170	.170	.170	.170	.170	.170	.170	.170	.169	.169	.169	.169	.169
6600	.168	.168	.168	.167	.167	.167	.167	.167	.167	.167	.167	.167	.167	.167	.167	.167
6800	.165	.165	.165	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164
7000	.162	.162	.162	.162	.162	.161	.161	.161	.161	.161	.161	.161	.161	.161	.161	.161
7200	.159	.159	.159	.159	.159	.159	.159	.159	.158	.158	.158	.158	.158	.158	.158	.158
7400	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156	.156
7600	.154	.154	.154	.153	.153	.153	.153	.153	.153	.153	.153	.153	.153	.153	.153	.153
7800	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151	.151
8000	.149	.149	.149	.148	.148	.148	.148	.148	.148	.148	.148	.148	.148	.148	.148	.148
8500	.143	.143	.143	.143	.143	.143	.143	.143	.143	.143	.142	.142	.142	.142	.142	.142
9000	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137	.137
9500	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132	.132
10000	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127	.127
10500	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123	.123
11000	.118	.118	.118	.118	.118	.118	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119
11500	.114	.114	.114	.114	.114	.114	.115	.115	.115	.115	.115	.115	.115	.115	.115	.115
12000	.110	.110	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111	.111
12500	.107	.107	.107	.107	.107	.107	.107	.107	.107	.107	.108	.108	.108	.108	.108	.108
13000	.103	.103	.104	.104	.104	.104	.104	.104	.104	.104	.104	.104	.104	.104	.104	.104
13500	.100	.100	.100	.100	.100	.101	.101	.101	.101	.101	.101	.101	.101	.101	.101	.101
14000	.097	.097	.097	.097	.097	.098	.098	.098	.098	.098	.098	.098	.098	.098	.098	.098
14500	.094	.094	.094	.094	.095	.095	.095	.095	.095	.095	.095	.095	.095	.095	.095	.095
15000	.091	.092	.092	.092	.092	.092	.092	.092	.092	.092	.093	.093	.093	.093	.093	.093
15500	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089	.089
16000	.086	.086	.087	.087	.087	.087	.087	.087	.087	.087	.087	.088	.088	.088	.088	.088
17000	.082	.082	.082	.082	.082	.082	.082	.082	.083	.083	.083	.083	.083	.083	.083	.083
18000	.077	.078	.078	.078	.078	.078	.078	.078	.078	.078	.079	.079	.079	.079	.079	.079
19000	.074	.074	.074	.074	.074	.074	.074	.074	.074	.075	.075	.075	.075	.075	.075	.075
20000	.070	.070	.070	.070	.070	.071	.071	.071	.071	.071	.071	.071	.071	.071	.071	.071
21000	.067	.067	.067	.067	.067	.067	.068	.068	.068	.068	.068	.068	.068	.068	.068	.068
22000	.064	.064	.064	.064	.064	.064	.064	.065	.065	.065	.065	.065	.065	.065	.065	.065
23000	.061	.061	.061	.061	.061	.061	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062
24000	.058	.058	.058	.059	.059	.059	.059	.059	.059	.059	.059	.060	.060	.060	.060	.060
25000	.056	.056	.056	.056	.056	.056	.057	.057	.057	.057	.057	.057	.057	.057	.057	.057
26000	.054	.054	.054	.054	.054	.054	.054	.054	.054	.055	.055	.055	.055	.055	.055	.055
27000	.051	.052	.052	.052	.052	.052	.052	.052	.052	.052	.053	.053	.053	.053	.053	.053
28000	.049	.050	.050	.050	.050	.050	.050	.050	.050	.051	.051	.051	.051	.051	.051	.051
29000	.048	.048	.048	.048	.048	.048	.048	.048	.049	.049	.049	.049	.049	.049	.049	.049
30000	.046	.046	.046	.046	.046	.046	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
31000	.044	.044	.044	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045	.045
32000	.043	.043	.043	.043	.043	.043	.043	.043	.044	.044	.044	.044	.044	.044	.044	.044
37000	.036	.036	.036	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037
42000	.031	.031	.031	.031	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032
47000	.027	.027	.027	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028	.028
52000	.024	.024	.024	.024	.024	.024	.024	.025	.025	.025	.025	.025	.025	.025	.025	.025
57000	.021	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
62000	.019	.019	.019	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
67000	.017	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
72000	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.017	.017	.017	.017	.017	.017
77000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015
32000	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014

ETA=180.0 DEGREES DELTA= 10.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.286															
1800	.282	.281														
1900	.278	.277	.276													
2000	.274	.273	.272	.271												
2100	.270	.269	.268	.267	.267											
2200	.267	.266	.265	.264	.263	.262										
2300	.263	.262	.261	.261	.260	.259	.258									
2400	.260	.259	.258	.257	.256	.255	.254	.254								
2500	.256	.256	.255	.254	.253	.252	.252	.251	.250							
2600	.253	.252	.252	.251	.250	.249	.249	.248	.247	.246						
2700	.250	.249	.248	.248	.247	.246	.246	.245	.244	.243	.243					
2800	.247	.246	.245	.245	.244	.243	.243	.242	.241	.241	.240	.239				
2900	.244	.243	.242	.242	.241	.240	.240	.239	.238	.238	.237	.236				
3000	.241	.240	.239	.239	.238	.237	.237	.236	.235	.235	.234	.233	.233			
3100	.238	.237	.237	.236	.235	.235	.234	.233	.233	.232	.231	.230	.230	.229		
3200	.235	.234	.234	.233	.232	.232	.231	.231	.230	.230	.229	.228	.228	.227	.227	.226
3400	.230	.229	.228	.228	.227	.227	.226	.225	.225	.224	.224	.223	.223	.222	.222	.221
3600	.224	.224	.223	.223	.222	.221	.221	.220	.220	.219	.219	.218	.218	.217	.217	.216
3800	.217	.219	.218	.218	.217	.217	.216	.215	.215	.214	.214	.213	.213	.212	.212	.212
4000	.214	.214	.213	.213	.212	.212	.211	.211	.210	.210	.209	.209	.208	.208	.207	.207
4200	.210	.209	.209	.208	.208	.207	.207	.206	.206	.206	.205	.205	.204	.204	.204	.203
4400	.205	.205	.204	.204	.203	.203	.203	.202	.202	.201	.201	.201	.200	.200	.199	.199
4600	.201	.200	.200	.200	.199	.199	.198	.198	.198	.197	.197	.197	.196	.196	.195	.195
4800	.197	.196	.196	.196	.195	.195	.194	.194	.194	.193	.193	.193	.192	.192	.192	.191
5000	.193	.192	.192	.192	.191	.191	.191	.190	.190	.190	.189	.189	.189	.188	.188	.188
5200	.187	.188	.188	.188	.187	.187	.187	.186	.186	.186	.186	.185	.185	.185	.184	.184
5400	.185	.185	.184	.184	.184	.183	.183	.183	.182	.182	.182	.181	.181	.181	.181	.181
5600	.181	.181	.181	.181	.180	.180	.180	.179	.179	.179	.178	.178	.178	.177	.177	.177
5800	.178	.178	.177	.177	.177	.177	.176	.176	.176	.176	.175	.175	.175	.174	.174	.174
6000	.175	.174	.174	.174	.174	.173	.173	.173	.172	.172	.172	.172	.171	.171	.171	.171
6200	.171	.171	.171	.171	.170	.170	.170	.169	.169	.169	.169	.169	.168	.168	.168	.168
6400	.168	.168	.168	.167	.167	.167	.167	.166	.166	.166	.166	.166	.165	.165	.165	.165
6600	.165	.165	.165	.164	.164	.164	.164	.164	.163	.163	.163	.163	.162	.162	.162	.162
6800	.162	.162	.162	.162	.161	.161	.161	.161	.160	.160	.160	.160	.160	.159	.159	.159
7000	.159	.159	.159	.159	.159	.158	.158	.158	.158	.157	.157	.157	.157	.157	.157	.157
7200	.157	.156	.156	.156	.156	.155	.155	.155	.155	.155	.155	.154	.154	.154	.154	.154
7400	.154	.154	.154	.153	.153	.153	.153	.153	.152	.152	.152	.152	.152	.152	.152	.151
7600	.151	.151	.151	.151	.151	.150	.150	.150	.150	.150	.149	.149	.149	.149	.149	.149
7800	.149	.149	.148	.148	.148	.148	.148	.148	.147	.147	.147	.147	.147	.147	.147	.147
8000	.146	.146	.146	.146	.146	.145	.145	.145	.145	.145	.145	.145	.145	.145	.144	.144
8200	.140	.140	.140	.140	.140	.140	.140	.140	.139	.139	.139	.139	.139	.139	.139	.139
9000	.135	.135	.135	.135	.135	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134	.134
9500	.130	.130	.130	.130	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129	.129
10000	.125	.125	.125	.125	.125	.125	.125	.125	.124	.124	.124	.124	.124	.124	.124	.124
10500	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120	.120
11000	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116	.116
11500	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112	.112
12000	.109	.109	.109	.109	.109	.109	.108	.108	.108	.108	.108	.108	.108	.108	.108	.108
12500	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105
13000	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102	.102
13500	.098	.098	.098	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099	.099
14000	.095	.095	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096
14500	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093	.093
15000	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090	.090
15500	.087	.087	.087	.087	.087	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088
16000	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085	.085
17000	.080	.080	.080	.080	.080	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081
18000	.076	.076	.076	.076	.076	.076	.076	.077	.077	.077	.077	.077	.077	.077	.077	.077
19000	.072	.072	.072	.072	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073	.073
20000	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.069	.070	.070	.070	.070
21000	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066	.066
22000	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.064
23000	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.061	.061	.061	.061	.061	.061
24000	.057	.057	.057	.057	.058	.058	.058	.058	.058	.058	.058	.058	.058	.058	.058	.058
25000	.055	.055	.055	.055	.055	.055	.055	.055	.055	.056	.056	.056	.056	.056	.056	.056
26000	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.053	.054	.054	.054	.054
27000	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.052	.052	.052
28000	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049	.050	.050	.050	.050
29000	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.048	.048	.048	.048	.048	.048
30000	.045	.045	.045	.045	.045	.045	.045	.046	.046	.046	.046	.046	.046	.046	.046	.046
31000	.043	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.045
32000	.042	.042	.042	.042	.042	.042	.042	.042	.043	.043	.043	.043	.043	.043	.043	.043
37000	.036	.036	.036	.036	.036	.036	.036	.036	.036	.036	.036	.036	.036	.036	.037	.037
42000	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.032	.032	.032
47000	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.027	.028	.028	.028	.028
52000	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	.025
57000	.021	.021	.021	.021	.021	.021	.021	.021	.022	.022	.022	.022	.022	.022	.022	.022
62000	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.020	.020	.020	.020	.020
67000	.017	.017	.017	.017	.017	.017	.017	.018	.018	.018	.018	.018	.018	.018	.018	.018
72000	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
77000	.014	.014	.014	.014	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015
82000	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013

G-247

BETA=180.0 DEGREES DELTA= 20.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
KA*																
1700	.273															
1800	.264	.268														
1900	.266	.264	.263													
2000	.262	.260	.259	.257												
2100	.258	.257	.255	.254	.253											
2200	.255	.253	.252	.251	.249	.248										
2300	.251	.250	.249	.247	.246	.245	.243									
2400	.248	.247	.245	.244	.243	.241	.240	.239								
2500	.245	.244	.242	.241	.240	.238	.237	.236	.235							
2600	.242	.240	.239	.238	.237	.235	.234	.233	.232	.230						
2700	.239	.237	.236	.235	.234	.232	.231	.230	.229	.228	.226					
2800	.236	.234	.233	.232	.231	.230	.228	.227	.226	.225	.224	.222				
2900	.233	.231	.230	.229	.228	.227	.226	.224	.223	.222	.221	.220	.219			
3000	.230	.229	.227	.226	.225	.224	.223	.222	.221	.219	.218	.217	.216	.215	.214	.212
3100	.227	.226	.225	.223	.222	.221	.220	.219	.218	.217	.216	.215	.214	.212	.211	.209
3200	.224	.223	.222	.221	.220	.219	.218	.216	.215	.214	.213	.212	.211	.210	.209	.208
3400	.219	.218	.217	.216	.215	.214	.213	.211	.210	.209	.208	.207	.206	.205	.204	.203
3600	.214	.213	.212	.211	.210	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199
3800	.209	.208	.207	.206	.205	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194
4000	.204	.203	.202	.201	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.188
4200	.200	.199	.198	.197	.196	.195	.194	.193	.192	.191	.190	.189	.188	.187	.186	.185
4400	.195	.194	.194	.193	.192	.191	.190	.189	.188	.188	.187	.186	.185	.184	.183	.183
4600	.191	.190	.189	.189	.188	.187	.186	.185	.185	.184	.183	.182	.181	.181	.180	.179
4800	.187	.186	.186	.185	.184	.183	.182	.181	.180	.179	.178	.178	.177	.176	.175	.175
5000	.183	.182	.182	.181	.180	.179	.179	.178	.177	.176	.176	.175	.174	.173	.173	.172
5200	.179	.179	.178	.177	.177	.176	.175	.174	.174	.173	.172	.172	.171	.170	.169	.169
5400	.176	.175	.175	.174	.173	.172	.172	.171	.170	.169	.168	.168	.167	.166	.166	.165
5600	.172	.172	.171	.170	.170	.169	.168	.168	.167	.166	.166	.165	.164	.164	.163	.162
5800	.169	.168	.168	.167	.167	.166	.165	.165	.164	.163	.163	.162	.161	.161	.160	.159
6000	.166	.165	.165	.164	.163	.163	.162	.162	.161	.160	.160	.159	.158	.158	.157	.156
6200	.163	.162	.162	.161	.160	.160	.159	.159	.158	.157	.157	.156	.155	.155	.154	.154
6400	.160	.159	.159	.158	.157	.157	.156	.156	.155	.154	.154	.153	.153	.152	.151	.151
6600	.157	.156	.156	.155	.155	.154	.153	.152	.152	.151	.151	.150	.150	.149	.149	.148
6800	.154	.153	.153	.152	.152	.151	.151	.150	.150	.149	.148	.148	.147	.147	.146	.146
7000	.151	.151	.150	.150	.149	.149	.148	.147	.146	.146	.145	.145	.144	.144	.143	.143
7200	.149	.148	.148	.147	.147	.146	.146	.145	.144	.144	.143	.143	.142	.142	.141	.141
7400	.146	.145	.145	.144	.144	.144	.143	.143	.142	.142	.141	.140	.140	.139	.139	.138
7600	.143	.143	.143	.142	.142	.141	.141	.140	.140	.139	.139	.138	.138	.137	.137	.136
7800	.141	.141	.140	.140	.139	.139	.138	.138	.137	.137	.136	.136	.135	.135	.134	.134
8000	.139	.138	.138	.137	.137	.136	.136	.135	.135	.134	.134	.133	.133	.132	.132	.132
8500	.133	.133	.132	.132	.131	.131	.131	.130	.130	.129	.129	.128	.128	.128	.127	.127
9000	.128	.127	.127	.127	.126	.126	.126	.125	.125	.124	.124	.124	.123	.123	.122	.122
9500	.123	.123	.122	.122	.122	.121	.121	.120	.120	.120	.119	.119	.119	.118	.118	.117
10000	.118	.118	.118	.117	.117	.117	.116	.116	.116	.115	.115	.115	.114	.114	.114	.113
10500	.114	.114	.113	.113	.113	.113	.112	.112	.112	.111	.111	.111	.110	.110	.110	.109
11000	.110	.110	.109	.109	.109	.109	.108	.108	.108	.107	.107	.107	.106	.106	.106	.106
11500	.106	.106	.106	.105	.105	.105	.105	.104	.104	.104	.104	.103	.103	.103	.102	.102
12000	.103	.102	.102	.102	.102	.101	.101	.101	.101	.100	.100	.100	.100	.099	.099	.099
12500	.099	.099	.099	.099	.098	.098	.098	.098	.097	.097	.097	.097	.096	.096	.096	.096
13000	.096	.096	.096	.095	.095	.095	.095	.094	.094	.094	.094	.094	.093	.093	.093	.093
13500	.093	.093	.093	.093	.092	.092	.092	.091	.091	.091	.091	.091	.090	.090	.090	.090
14000	.090	.090	.090	.090	.089	.089	.089	.089	.089	.088	.088	.088	.088	.087	.087	.087
14500	.087	.087	.087	.087	.087	.086	.086	.086	.086	.086	.086	.085	.085	.085	.085	.085
15000	.085	.085	.085	.084	.084	.084	.084	.084	.084	.083	.083	.083	.083	.082	.082	.082
15500	.082	.082	.082	.082	.082	.082	.081	.081	.081	.081	.081	.080	.080	.080	.080	.080
16000	.080	.080	.080	.080	.080	.079	.079	.079	.079	.079	.078	.078	.078	.078	.078	.078
17000	.076	.076	.076	.075	.075	.075	.075	.075	.075	.074	.074	.074	.074	.074	.074	.074
18000	.072	.072	.072	.072	.071	.071	.071	.071	.071	.071	.070	.070	.070	.070	.070	.070
19000	.068	.068	.068	.068	.068	.068	.068	.067	.067	.067	.067	.067	.067	.067	.067	.066
20000	.065	.065	.065	.065	.065	.064	.064	.064	.064	.064	.064	.064	.064	.064	.063	.063
21000	.062	.062	.062	.062	.062	.061	.061	.061	.061	.061	.061	.061	.061	.061	.061	.060
22000	.059	.059	.059	.059	.059	.059	.059	.059	.058	.058	.058	.058	.058	.058	.058	.058
23000	.056	.056	.056	.056	.056	.056	.056	.056	.056	.056	.056	.056	.055	.055	.055	.055
24000	.054	.054	.054	.054	.054	.054	.054	.054	.053	.053	.053	.053	.053	.053	.053	.053
25000	.052	.052	.052	.052	.052	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051
26000	.050	.050	.050	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049	.049
27000	.048	.048	.048	.048	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
28000	.046	.046	.046	.046	.046	.046	.046	.046	.046	.045	.045	.045	.045	.045	.045	.045
29000	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.044	.043	.043
30000	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042	.042
31000	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.040	.040
32000	.040	.040	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039
37000	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033
42000	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029	.029
47000	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025
>2000	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
>7000	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
62000	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
67000	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
72000	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015
77000	.013	.013	.013	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014
82000	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012

G-247

BETA=180.0 DLGrees DELTA= 30.0 DEGREES

•RA•	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
1700	.249															
1800	.245	.243														
1900	.242	.239	.237													
2000	.238	.236	.233	.231												
2100	.235	.232	.230	.227	.225											
2200	.232	.229	.227	.224	.222	.219										
2300	.229	.226	.224	.221	.219	.216	.214									
2400	.225	.223	.221	.218	.216	.213	.211	.208								
2500	.222	.220	.218	.215	.213	.210	.208	.205	.203							
2600	.219	.217	.215	.212	.210	.208	.205	.203	.200	.198						
2700	.217	.214	.212	.210	.207	.205	.203	.200	.198	.195	.193					
2800	.214	.211	.209	.207	.205	.202	.200	.198	.195	.193	.190	.188				
2900	.211	.209	.207	.204	.202	.200	.198	.195	.193	.190	.188	.186	.183	.181		
3000	.208	.206	.204	.202	.200	.197	.195	.193	.190	.188	.186	.183	.181	.178		
3100	.206	.203	.201	.199	.197	.195	.193	.190	.188	.186	.184	.181	.179	.177	.174	.172
3200	.203	.201	.199	.197	.195	.192	.190	.188	.186	.184	.181	.179	.177	.174	.172	.169
3400	.198	.196	.194	.192	.190	.188	.186	.184	.181	.179	.177	.175	.173	.171	.169	.168
3600	.193	.191	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.162
3800	.189	.187	.185	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.163	.160	.158
4000	.184	.183	.181	.179	.177	.175	.173	.171	.169	.167	.165	.163	.161	.159	.157	.155
4200	.180	.179	.177	.175	.173	.171	.169	.168	.166	.164	.162	.160	.158	.156	.153	.151
4400	.176	.175	.173	.171	.169	.168	.166	.164	.162	.160	.158	.156	.154	.152	.148	.148
4600	.172	.171	.169	.167	.166	.164	.162	.160	.159	.157	.155	.153	.151	.149	.147	.145
4800	.169	.167	.166	.164	.162	.161	.159	.157	.155	.154	.152	.150	.148	.146	.144	.142
5000	.165	.164	.162	.160	.159	.157	.156	.154	.152	.150	.149	.147	.145	.143	.141	.139
5200	.162	.160	.159	.157	.156	.154	.152	.151	.149	.149	.147	.146	.144	.142	.140	.138
5400	.158	.157	.155	.154	.152	.151	.149	.148	.146	.144	.143	.141	.139	.138	.136	.134
5600	.155	.154	.152	.151	.149	.148	.146	.145	.143	.142	.140	.138	.137	.135	.133	.131
5800	.152	.151	.149	.148	.147	.145	.144	.142	.140	.139	.137	.136	.134	.132	.131	.129
6000	.149	.148	.146	.145	.144	.142	.141	.139	.138	.136	.135	.133	.131	.130	.128	.126
6200	.146	.145	.144	.142	.141	.140	.138	.137	.135	.134	.132	.131	.129	.127	.126	.124
6400	.144	.142	.141	.140	.138	.137	.136	.134	.133	.131	.130	.128	.127	.125	.123	.122
6600	.141	.140	.138	.137	.136	.134	.133	.132	.130	.129	.127	.126	.124	.123	.121	.120
6800	.138	.137	.136	.135	.133	.132	.131	.129	.128	.127	.125	.124	.122	.121	.119	.118
7000	.136	.135	.133	.132	.131	.130	.128	.127	.126	.124	.123	.122	.120	.119	.117	.115
7200	.133	.132	.131	.130	.129	.127	.126	.125	.124	.122	.121	.119	.118	.117	.115	.113
7400	.131	.130	.129	.128	.126	.125	.124	.123	.121	.120	.119	.117	.116	.115	.113	.112
7600	.129	.128	.126	.125	.124	.123	.122	.121	.119	.118	.117	.115	.114	.113	.111	.110
7800	.126	.125	.124	.123	.122	.121	.120	.119	.117	.116	.115	.113	.112	.111	.109	.108
8000	.124	.123	.122	.121	.120	.119	.118	.117	.115	.114	.113	.112	.110	.109	.108	.106
8500	.119	.118	.117	.116	.115	.114	.113	.112	.111	.110	.108	.107	.106	.105	.103	.102
9000	.114	.114	.113	.112	.111	.110	.109	.107	.106	.105	.104	.103	.102	.101	.099	.098
9500	.110	.109	.108	.107	.106	.105	.104	.103	.102	.101	.100	.099	.098	.097	.096	.094
10000	.106	.105	.104	.103	.102	.101	.101	.100	.099	.098	.097	.095	.094	.093	.092	.091
10500	.102	.101	.100	.100	.099	.098	.097	.096	.095	.094	.093	.092	.091	.090	.089	.088
11000	.098	.098	.097	.096	.095	.094	.093	.093	.092	.091	.090	.089	.088	.087	.086	.085
11500	.095	.094	.093	.092	.091	.090	.089	.089	.088	.087	.086	.085	.084	.083	.082	.082
12000	.092	.091	.090	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077
12500	.089	.088	.087	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074
13000	.086	.085	.084	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071
13500	.083	.082	.081	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068
14000	.080	.080	.079	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066
14500	.078	.077	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063
15000	.076	.075	.074	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061
15500	.073	.073	.072	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059
16000	.071	.071	.070	.069	.068	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057
17000	.067	.067	.066	.065	.064	.063	.062	.061	.060	.059	.058	.057	.056	.055	.054	.053
18000	.064	.063	.063	.062	.062	.061	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052
19000	.061	.060	.060	.059	.059	.058	.058	.057	.056	.055	.054	.053	.052	.051	.050	.049
20000	.058	.057	.057	.056	.056	.055	.055	.054	.054	.053	.053	.052	.051	.050	.049	.048
21000	.055	.055	.054	.053	.053	.053	.052	.052	.051	.051	.050	.050	.049	.049	.048	.048
22000	.052	.052	.052	.051	.051	.050	.050	.049	.049	.049	.048	.048	.047	.047	.046	.046
23000	.050	.050	.049	.049	.049	.048	.048	.047	.047	.046	.046	.045	.045	.044	.044	.044
24000	.048	.048	.047	.047	.047	.046	.046	.045	.045	.044	.044	.044	.043	.043	.043	.042
25000	.046	.046	.045	.045	.045	.044	.044	.043	.043	.043	.042	.042	.042	.041	.041	.040
26000	.044	.044	.043	.043	.043	.043	.042	.042	.041	.041	.040	.040	.040	.039	.039	.039
27000	.042	.042	.042	.041	.041	.041	.040	.040	.040	.039	.039	.039	.038	.038	.038	.037
28000	.041	.040	.040	.040	.040	.039	.039	.038	.038	.038	.037	.037	.036	.036	.035	.035
29000	.039	.039	.039	.038	.038	.038	.037	.037	.037	.036	.036	.036	.035	.035	.034	.034
30000	.038	.037	.037	.037	.036	.036	.036	.035	.035	.035	.034	.034	.033	.033	.032	.032
31000	.036	.036	.036	.036	.035	.035	.035	.034	.034	.034	.033	.033	.032	.032	.031	.031
32000	.035	.035	.035	.034	.034	.034	.033	.033	.033	.033	.032	.032	.031	.031	.030	.030
37000	.030	.029	.029	.029	.029	.029	.028	.028	.028	.027	.027	.027	.026	.026	.025	.025
42000	.026	.025	.025	.025	.025	.025	.024	.024	.024	.024	.024	.023	.023	.023	.023	.023
47000	.022	.022	.022	.022	.022	.022	.021	.021	.021	.021	.021	.021	.020	.020	.020	.020
52000	.020	.020	.019	.019	.019	.019	.019	.019	.019	.019	.018	.018	.018	.018	.018	.018
57000	.018	.017	.017	.017	.017	.017	.017	.017	.017	.017	.016	.016	.016	.016	.016	.016
62000	.016	.016	.016	.016	.016	.015	.015	.015	.015	.015	.015	.015	.015	.014	.014	.014
67000	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.013	.013	.013	.013	.013	.013
72000	.013	.013	.013	.013	.013	.013	.013	.012	.012	.012	.012	.012	.012	.012	.012	.012
77000	.012	.012	.012	.012	.012	.012	.012	.011	.011	.011	.011	.011	.011	.011	.011	.011
82000	.011	.011	.011	.011	.011	.011	.011	.011	.010	.010	.010	.010	.010	.010	.010	.010

G-247

ETA=180.0 DEGREES

DELTA= 40.0 DEGREES

*RP	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200
RA*																
1700	.204															
1800	.201	.195														
1900	.198	.192	.187													
2000	.195	.190	.184	.179												
2100	.192	.187	.181	.176	.170											
2200	.189	.184	.179	.173	.168	.162										
2300	.186	.181	.176	.171	.165	.160	.154									
2400	.184	.179	.174	.168	.163	.157	.152	.146								
2500	.181	.176	.171	.166	.161	.155	.150	.144	.137							
2600	.179	.174	.169	.164	.159	.153	.147	.142	.135	.129						
2700	.176	.171	.167	.162	.156	.151	.146	.140	.134	.127	.120					
2800	.174	.169	.164	.159	.154	.149	.144	.138	.132	.126	.119	.112				
2900	.171	.167	.162	.157	.152	.147	.142	.136	.130	.124	.117	.110	.103			
3000	.169	.165	.160	.155	.150	.145	.140	.134	.128	.122	.116	.109	.101	.093		
3100	.167	.162	.158	.153	.148	.143	.138	.133	.127	.121	.114	.107	.100	.092	.083	
3200	.165	.160	.156	.151	.146	.141	.136	.131	.125	.119	.113	.106	.099	.091	.082	.072
3400	.160	.156	.152	.148	.144	.139	.135	.130	.125	.119	.113	.107	.101	.094	.087	.078
3600	.156	.152	.148	.144	.140	.136	.131	.127	.122	.116	.111	.105	.099	.092	.085	.077
3800	.154	.149	.145	.140	.136	.133	.128	.124	.119	.114	.108	.102	.096	.090	.083	.075
4000	.149	.145	.141	.137	.133	.128	.124	.119	.114	.108	.102	.096	.090	.083	.075	.066
4200	.145	.142	.138	.134	.130	.125	.121	.116	.111	.106	.100	.094	.088	.081	.073	.064
4400	.142	.138	.135	.131	.127	.122	.118	.113	.109	.103	.098	.092	.086	.079	.071	.063
4600	.139	.135	.132	.128	.124	.120	.115	.111	.106	.101	.096	.090	.084	.077	.070	.062
4800	.136	.132	.129	.125	.121	.117	.113	.108	.104	.099	.094	.088	.082	.076	.068	.060
5000	.133	.129	.126	.122	.119	.115	.110	.106	.102	.097	.092	.086	.080	.074	.067	.059
5200	.130	.127	.123	.120	.116	.112	.108	.104	.099	.095	.090	.085	.079	.073	.066	.058
5400	.127	.124	.121	.117	.114	.110	.106	.102	.097	.093	.088	.083	.077	.071	.064	.057
5600	.125	.121	.118	.115	.111	.108	.104	.100	.095	.091	.086	.081	.076	.070	.063	.056
5800	.122	.119	.116	.112	.109	.105	.102	.098	.094	.089	.085	.080	.074	.068	.062	.054
6000	.120	.117	.113	.110	.107	.103	.100	.096	.092	.087	.083	.078	.073	.067	.061	.053
6200	.117	.114	.111	.108	.105	.101	.098	.094	.090	.086	.081	.076	.071	.066	.059	.052
6400	.115	.112	.109	.106	.103	.099	.096	.092	.088	.084	.080	.075	.070	.066	.058	.051
6600	.113	.110	.107	.104	.101	.098	.094	.090	.087	.083	.078	.074	.069	.063	.057	.050
6800	.111	.108	.105	.102	.099	.096	.092	.089	.085	.081	.077	.072	.067	.062	.056	.050
7000	.109	.106	.103	.100	.097	.094	.091	.087	.083	.080	.075	.071	.066	.061	.055	.049
7200	.107	.104	.101	.098	.095	.092	.089	.086	.082	.078	.074	.070	.065	.060	.054	.048
7400	.105	.102	.099	.097	.094	.091	.087	.084	.080	.077	.073	.068	.064	.059	.053	.047
7600	.103	.100	.098	.095	.092	.089	.086	.083	.079	.075	.071	.067	.063	.058	.052	.046
7800	.101	.098	.096	.093	.090	.087	.084	.081	.078	.074	.070	.066	.062	.057	.051	.045
8000	.099	.097	.094	.092	.089	.086	.083	.080	.076	.073	.069	.065	.061	.056	.051	.045
8500	.095	.093	.090	.088	.085	.082	.079	.076	.073	.070	.066	.062	.058	.054	.049	.043
9000	.091	.089	.087	.084	.082	.079	.076	.073	.070	.067	.064	.060	.056	.051	.047	.041
9500	.088	.085	.083	.081	.078	.076	.073	.071	.068	.064	.061	.058	.054	.049	.045	.040
10000	.084	.082	.080	.078	.075	.073	.071	.068	.065	.062	.059	.055	.052	.048	.043	.038
10500	.081	.079	.077	.075	.073	.070	.068	.065	.063	.060	.057	.053	.050	.046	.042	.037
11000	.078	.076	.074	.072	.070	.068	.065	.063	.060	.058	.055	.051	.048	.044	.040	.035
11500	.075	.073	.072	.070	.068	.065	.063	.061	.058	.056	.053	.050	.046	.043	.039	.034
12000	.073	.071	.069	.067	.065	.063	.061	.059	.056	.054	.051	.048	.045	.041	.037	.033
12500	.070	.069	.067	.065	.063	.061	.059	.057	.054	.052	.049	.046	.043	.040	.036	.032
13000	.068	.066	.065	.063	.061	.059	.057	.055	.053	.050	.048	.045	.042	.039	.035	.031
13500	.066	.064	.063	.061	.059	.057	.055	.053	.051	.049	.046	.044	.041	.037	.034	.030
14000	.064	.062	.061	.059	.057	.055	.054	.052	.049	.047	.045	.042	.039	.036	.033	.029
14500	.062	.060	.059	.057	.055	.054	.052	.050	.048	.046	.044	.041	.038	.035	.032	.028
15000	.060	.058	.057	.055	.054	.052	.050	.048	.046	.044	.042	.040	.037	.034	.031	.027
15500	.058	.057	.055	.054	.052	.051	.049	.047	.045	.043	.041	.039	.036	.033	.030	.027
16000	.056	.055	.054	.052	.051	.049	.047	.046	.044	.042	.040	.037	.035	.032	.029	.026
17000	.053	.052	.051	.049	.048	.046	.045	.043	.041	.040	.038	.035	.033	.030	.028	.024
18000	.050	.049	.048	.047	.045	.044	.043	.041	.039	.037	.036	.034	.031	.029	.026	.023
19000	.048	.047	.046	.044	.043	.042	.040	.039	.037	.036	.034	.032	.030	.027	.025	.022
20000	.045	.044	.043	.042	.041	.040	.038	.037	.035	.034	.032	.030	.028	.026	.024	.021
21000	.043	.042	.041	.040	.039	.038	.037	.035	.034	.032	.031	.029	.027	.025	.023	.020
22000	.041	.040	.039	.038	.037	.036	.035	.034	.032	.031	.029	.028	.026	.024	.022	.019
23000	.039	.039	.038	.037	.036	.034	.033	.032	.031	.029	.028	.026	.025	.023	.021	.018
24000	.038	.037	.036	.035	.034	.033	.032	.031	.029	.028	.027	.025	.024	.022	.020	.017
25000	.036	.035	.034	.034	.033	.032	.031	.029	.028	.027	.026	.024	.023	.021	.019	.017
26000	.035	.034	.033	.032	.031	.030	.029	.028	.027	.026	.025	.023	.022	.020	.018	.016
27000	.033	.032	.032	.031	.030	.029	.028	.027	.026	.025	.024	.022	.021	.019	.017	.015
28000	.032	.031	.030	.030	.029	.028	.027	.026	.025	.024	.023	.021	.020	.018	.017	.015
29000	.031	.030	.029	.029	.028	.027	.026	.025	.024	.023	.022	.021	.019	.018	.016	.014
30000	.030	.029	.028	.027	.027	.026	.025	.024	.023	.022	.021	.020	.019	.017	.016	.014
31000	.028	.028	.027	.026	.026	.025	.024	.023	.022	.021	.020	.019	.018	.017	.015	.013
32000	.027	.027	.026	.026	.025	.024	.023	.022	.022	.021	.020	.018	.017	.016	.014	.013
37000	.023	.023	.022	.022	.021	.020	.020	.019	.018	.017	.017	.016	.015	.014	.012	.011
42000	.020	.020	.019	.019	.018	.018	.017	.016	.016	.015	.014	.013	.013	.012	.011	.009
47000	.017	.017	.017	.016	.016	.015	.015	.014	.014	.013	.012	.012	.011	.010	.009	.008
52000	.015	.015	.015	.014	.014	.014	.013	.013	.012	.012	.011	.010	.010	.009	.008	.007
57000	.014	.013	.013	.013	.012	.012	.012	.011	.011	.010	.010	.009	.009	.008	.007	.006
62000	.012	.012	.012	.011	.011	.011	.010	.010	.010	.009	.009	.008	.008	.007	.006	.005
67000	.011	.011	.011	.010	.010	.010	.010	.009	.009	.008	.008	.008	.007	.007	.006	.005
72000	.010	.010	.010	.009	.009	.009	.009	.008	.008	.008	.007	.007	.006	.006	.005	.005
77000	.009	.009	.009	.009	.008	.008	.008	.008	.007	.007	.007	.006	.006	.005	.005	.004
82000	.009	.008	.008	.008	.008	.008	.007	.007	.007	.006	.006	.006	.005	.005	.005	.004

G-247

U-281

Part III

CIRCULAR ORBITS

• DELTA R _e	0	10	20	30	40	50	• DELTA R _e	0	10	20	30	40	50
3200	.232	.226	.208	.169	.072	.000	17000	.088	.068	.000	.000	.000	.000
3300	.229	.223	.204	.165	.060	.000	18000	.084	.064	.000	.000	.000	.000
3400	.226	.220	.201	.161	.045	.000	19000	.081	.059	.000	.000	.000	.000
3500	.223	.217	.198	.156	.024	.000	20000	.078	.055	.000	.000	.000	.000
3600	.221	.215	.195	.152	.000	.000	21000	.075	.050	.000	.000	.000	.000
3700	.218	.212	.192	.148	.000	.000	22000	.072	.046	.000	.000	.000	.000
3800	.215	.209	.189	.143	.000	.000	23000	.070	.042	.000	.000	.000	.000
3900	.213	.207	.186	.139	.000	.000	24000	.067	.038	.000	.000	.000	.000
4000	.211	.204	.183	.135	.000	.000	25000	.065	.034	.000	.000	.000	.000
4100	.208	.202	.180	.131	.000	.000	26000	.063	.030	.000	.000	.000	.000
4200	.206	.199	.177	.127	.000	.000	27000	.061	.026	.000	.000	.000	.000
4300	.204	.197	.174	.123	.000	.000	28000	.059	.021	.000	.000	.000	.000
4400	.201	.195	.172	.119	.000	.000	29000	.058	.015	.000	.000	.000	.000
4500	.199	.192	.169	.115	.000	.000	30000	.056	.007	.000	.000	.000	.000
4600	.197	.190	.166	.111	.000	.000	31000	.055	.000	.000	.000	.000	.000
4700	.195	.188	.164	.107	.000	.000	32000	.053	.000	.000	.000	.000	.000
4800	.193	.186	.161	.103	.000	.000	33000	.052	.000	.000	.000	.000	.000
4900	.191	.184	.159	.098	.000	.000	34000	.050	.000	.000	.000	.000	.000
5000	.189	.182	.157	.094	.000	.000	35000	.049	.000	.000	.000	.000	.000
5100	.187	.180	.154	.090	.000	.000	36000	.048	.000	.000	.000	.000	.000
5200	.186	.178	.152	.086	.000	.000	37000	.047	.000	.000	.000	.000	.000
5300	.184	.176	.150	.081	.000	.000	38000	.046	.000	.000	.000	.000	.000
5400	.182	.174	.147	.077	.000	.000	39000	.045	.000	.000	.000	.000	.000
5500	.180	.172	.145	.072	.000	.000	40000	.044	.000	.000	.000	.000	.000
5600	.179	.171	.143	.067	.000	.000	41000	.043	.000	.000	.000	.000	.000
5700	.177	.169	.141	.062	.000	.000	42000	.042	.000	.000	.000	.000	.000
5800	.175	.167	.139	.057	.000	.000	43000	.041	.000	.000	.000	.000	.000
5900	.174	.165	.136	.052	.000	.000	44000	.040	.000	.000	.000	.000	.000
6000	.172	.164	.134	.045	.000	.000	45000	.040	.000	.000	.000	.000	.000
6100	.171	.162	.132	.039	.000	.000	46000	.039	.000	.000	.000	.000	.000
6200	.169	.161	.130	.030	.000	.000	47000	.038	.000	.000	.000	.000	.000
6300	.168	.159	.128	.019	.000	.000	48000	.037	.000	.000	.000	.000	.000
6400	.166	.157	.126	.000	.000	.000	49000	.037	.000	.000	.000	.000	.000
6500	.165	.156	.124	.000	.000	.000	50000	.036	.000	.000	.000	.000	.000
6600	.163	.154	.122	.000	.000	.000	51000	.035	.000	.000	.000	.000	.000
6700	.162	.153	.120	.000	.000	.000	52000	.035	.000	.000	.000	.000	.000
6800	.161	.152	.119	.000	.000	.000	53000	.034	.000	.000	.000	.000	.000
6900	.159	.150	.117	.000	.000	.000	54000	.034	.000	.000	.000	.000	.000
7000	.158	.149	.115	.000	.000	.000	55000	.033	.000	.000	.000	.000	.000
7100	.157	.147	.113	.000	.000	.000	56000	.033	.000	.000	.000	.000	.000
7200	.156	.146	.111	.000	.000	.000	57000	.032	.000	.000	.000	.000	.000
7300	.154	.145	.109	.000	.000	.000	58000	.032	.000	.000	.000	.000	.000
7400	.153	.143	.108	.000	.000	.000	59000	.031	.000	.000	.000	.000	.000
7500	.152	.142	.106	.000	.000	.000	60000	.031	.000	.000	.000	.000	.000
7600	.151	.141	.104	.000	.000	.000	61000	.030	.000	.000	.000	.000	.000
7700	.150	.140	.102	.000	.000	.000	62000	.030	.000	.000	.000	.000	.000
7800	.148	.138	.100	.000	.000	.000	63000	.029	.000	.000	.000	.000	.000
7900	.147	.137	.099	.000	.000	.000	64000	.029	.000	.000	.000	.000	.000
8000	.146	.136	.097	.000	.000	.000	65000	.028	.000	.000	.000	.000	.000
8500	.146	.136	.097	.000	.000	.000	66000	.028	.000	.000	.000	.000	.000
9000	.141	.130	.088	.000	.000	.000	67000	.028	.000	.000	.000	.000	.000
9500	.136	.125	.080	.000	.000	.000	68000	.027	.000	.000	.000	.000	.000
10000	.131	.120	.072	.000	.000	.000	69000	.027	.000	.000	.000	.000	.000
10500	.127	.115	.063	.000	.000	.000	70000	.027	.000	.000	.000	.000	.000
11000	.123	.111	.054	.000	.000	.000	71000	.026	.000	.000	.000	.000	.000
11500	.120	.106	.045	.000	.000	.000	72000	.026	.000	.000	.000	.000	.000
12000	.116	.102	.034	.000	.000	.000	73000	.026	.000	.000	.000	.000	.000
12500	.113	.099	.014	.000	.000	.000	74000	.025	.000	.000	.000	.000	.000
13000	.110	.095	.000	.000	.000	.000	75000	.025	.000	.000	.000	.000	.000
13500	.107	.092	.000	.000	.000	.000	76000	.025	.000	.000	.000	.000	.000
14000	.104	.088	.000	.000	.000	.000	77000	.024	.000	.000	.000	.000	.000
14500	.101	.085	.000	.000	.000	.000	78000	.024	.000	.000	.000	.000	.000
15000	.099	.082	.000	.000	.000	.000	79000	.024	.000	.000	.000	.000	.000
15500	.096	.079	.000	.000	.000	.000	80000	.023	.000	.000	.000	.000	.000

G-247