

Seismological Tables: *ak135*

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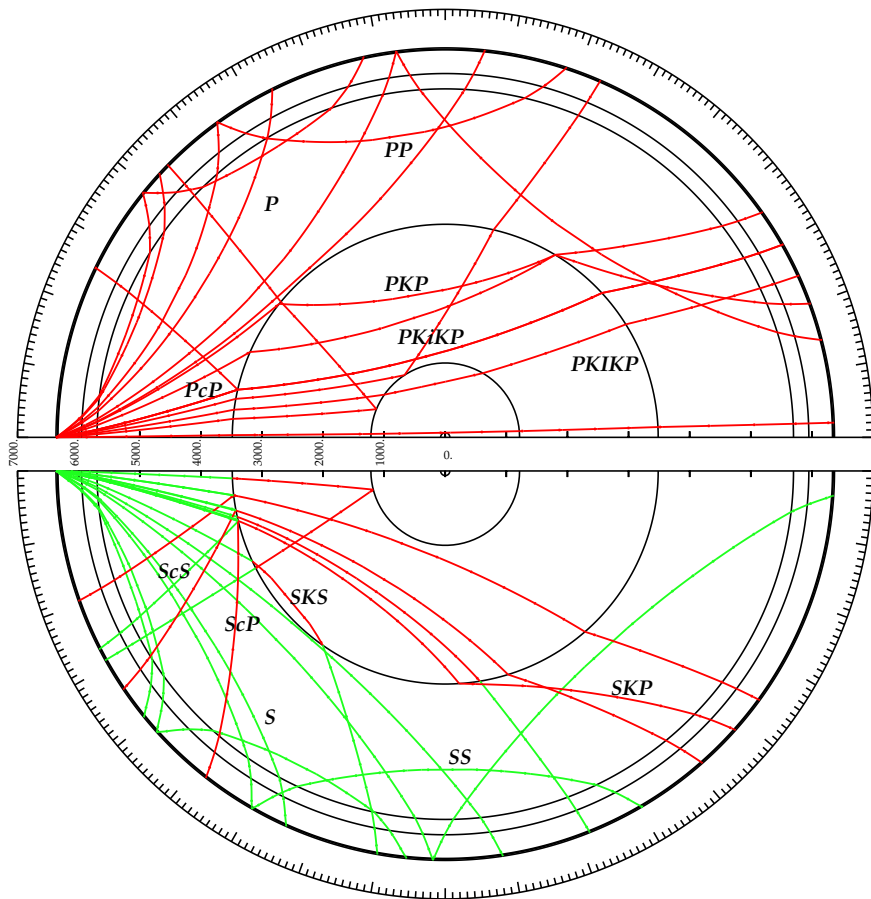
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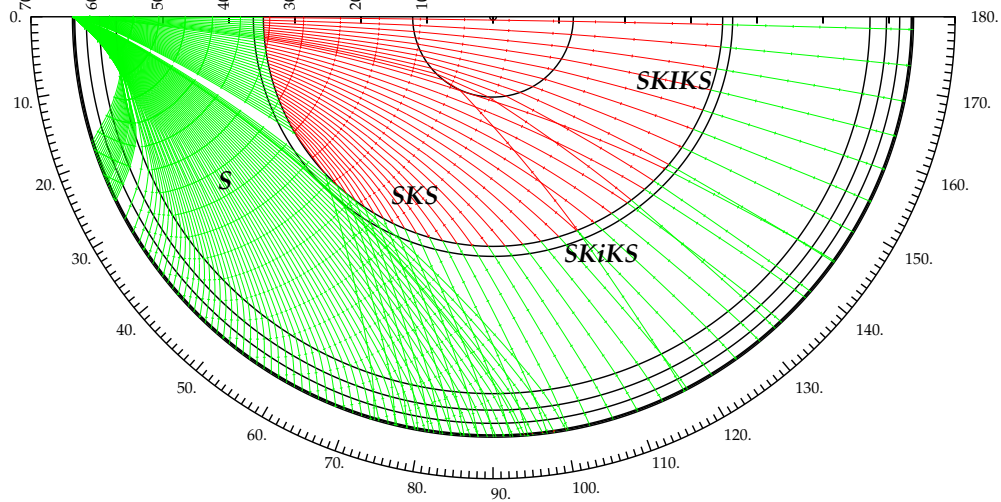
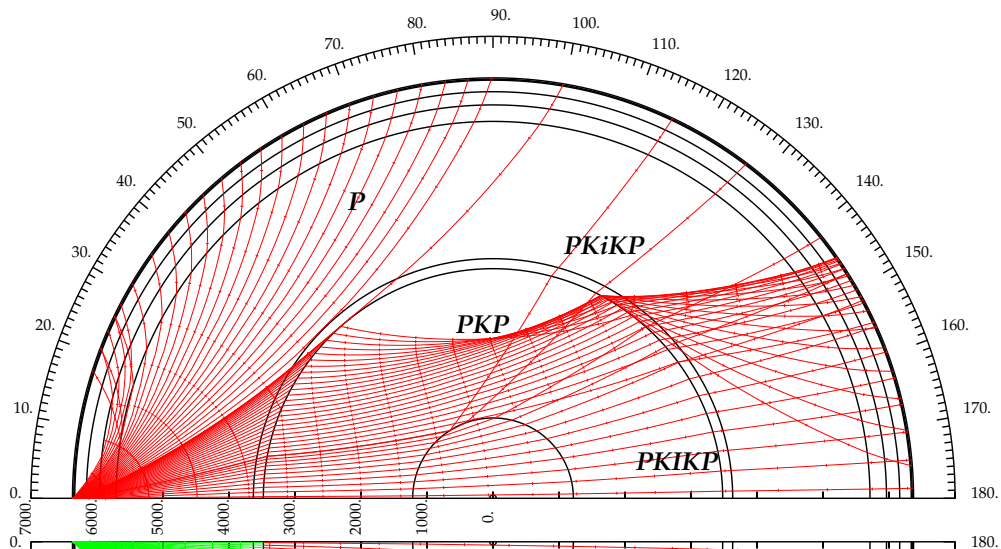
Introduction:

The *ak135* tables represent an update of the *iasp91* travel time tables (Kennett & Engdahl, 1991) to try to match the behaviour of a wider range of phases. The construction process for the *ak135* model was described by Kennett, Engdahl & Buland (1995), and was based on new empirical travel time tables obtained by relocating events using the *iasp91* model. Like its predecessor, *ak135* is a radially stratified velocity model and the travel time tables are derived from the model so that a consistent basis exists for all phases. The P wave travel times are very similar to *iasp91*, but more significant changes are introduced for S and particularly the core phases. The *ak135* tables have been used as the basis for the systematic relocation of events by Engdahl, van der Hilst & Buland (1998) and the subsequent updates of their catalogue.

Because the times for all phases are derived from the same velocity model, there is complete consistency between the travel times for different branches at different hypocentral depths. The calculation scheme adopted for the *ak135* tables is that proposed by Buland & Chapman (1983). Tables of delay time as a function of slowness are stored and interpolated using a specially designed tau-spline system which takes care of square-root singularities in the derivatives of the travel times for a source at arbitrary depth. A further advantage over standard tables is that exactly the same procedure can be used for each phase. It is therefore possible to generate extremely rapidly a comprehensive list of travel times for the main seismic phases which could be observed at given epicentral distance.



Ray paths for main phases



Description of Travel Time Tables:

This book of tables is intended to provide a convenient reference for the travel times for the major seismic phases and is organised into four sections.

1. TRAVEL TIME TABLES FOR P AND S BODY WAVES:

The tables for P and S body waves are presented at 1° intervals from 0 to 125° for source depths of:

0, 15, 35, 50, 100, 150, 200, 250,
and
300, 350, 400, 450, 500, 550, 600, 650 and 700 km.

For each distance and depth, the travel time is presented in minutes and seconds and is accompanied (in italics) by the corresponding slowness value in seconds/degree.

2. TRAVEL TIME TABLES FOR CORE REFLECTIONS AND CORE PHASES:

This group of tables is displayed in a similar format to the body wave tables (i.e. time in minutes and seconds with associated slowness in italics) with 1° sampling at a common set of source depths: 0, 335, 50, 100, 200, 300, 500, and 700 km.

Core reflections:

| | |
|------|-------|
| PcP: | 0-98° |
| ScS: | 0-98° |
| ScP: | 0-62° |

Core Phases:

| | | |
|--------|----------|---------------------------|
| PKPdf: | 114-180° | (PKIKP) |
| PKPab: | 145-180° | |
| PKPbc: | 145-155° | |
| SKSac: | 62-144° | |
| SKSdf: | 103-180° | (SKIKS) |
| SKP : | 110-180° | (first arrival for phase) |

3. DEPTH PHASES

The differential times for the principal depth phases associated with the body waves are displayed at 1° intervals for a wide range of source depths: 15, 35, 50, 100, 150, 200, 250, 300, 400, 500, 600, and 700 km.

Differential time tables:

pP-P: 2-100°
sP-P: 2-100°
sS-S: 2-100°
pS-S: 22-100°

4. SUMMARY TABLES AT CONSTANT RANGE

In order to aid work in phase association we present a new form of tables organised to display the travel times for a wide range of seismic phases at a fixed range. Tables are presented at 2° intervals from 0 to 180°, for source depths of 0, 100, 300 and 600 km.

For each distance and source depth, the travel times for the seismic phases are shown in minutes and seconds together with the slope of the travel time branch in seconds/degree.

The phases displayed are:

P phases –

P, Pdiff, PP, PcP, PKP, PKiKP, PKKP, PKPPKP (P'P')

Depth phases:

pP, pPdiff, pPKP, pPKiKP
sP, sPdiff, sPKP, sPKiKP

S phases –

S, Sdiff, SS, ScS, SKS, SKKS, SKSSKS (S'S')

Depth phases

sS, sSdiff, sSKS
pS, pSdiff, pSKS

Converted phases –

SP, ScP, SKP, SKKP
PS, PcS, PKS, PKKS

The various branches of the core phase are identified in the tables by lower case suffices.

5. SUMMARY TABLES FOR MAJOR PHASES

Phase times and slownesses are shown at 1° intervals for a selection of important phases, with separate tables for 0, 100, 300 and 600 km depth

1. Mostly mantle phases out to 124°
P, PP, PcP, S, SS, ScS, ScP, SKSac
2. Mostly core phases from 110° - 180°
PKPab, PKPbc, PKPdf, PP, SKSac, SKSdf, SKP, SS

6. SUMMARY TRAVEL TIME CHARTS

A set of travel time charts for the four source depths 0, 100, 300 and 600 km, for all the tabulated phases.

These include travel time as a function of epicentral distance as well as slowness/distance and Tau/slowness.

Ellipticity Correction Tables

Since the Earth is not a perfect sphere there is a need to allow for the effect of ellipticity when calculating the travel time between source and receiver over extended paths. A set of tables in the formulation of Dziewonski & Gilbert (1976) are presented at 5° intervals for the set of source depths which are common to the earlier detailed tables i.e. 0, 35, 50, 100, 200, 300, 500 and 700 km for a selection of phases:

P phases

P, PcP, PKPab, PKPbc, PKPdf (PKIKP)

S phases

S, ScS, SKSac, SKSdf (SKIKS)

Converted phases

ScP, SKP

The calculation of the ellipticity coefficients were made for the iasp91 velocity model using the algorithms presented by Doornbos (1988) with the density distribution from the PEM-C model of Dziewonski, Hales & Lapwood (1975) and the assumption that the ellipticity is nearly hydrostatic.

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TRAVEL TIME TABLES

Body waves

Core reflections

Core phases

Differential Times for depth phases

Summary tables at constant range

Summary tables for major phases

Travel Time charts

| P | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | | 0 00.00 19.17 | 0 02.59 0.01 | 0 05.76 0.00 | 0 07.62 0.00 | 0 13.84 0.00 | 0 20.03 0.00 | 0 26.12 0.00 | 0 32.11 0.00 |
| 1.0 | | 0 19.17 19.17 | 0 19.01 17.05 | 0 17.51 13.75 | 0 17.70 13.45 | 0 20.39 10.82 | 0 24.73 8.46 | 0 29.72 6.74 | 0 34.99 5.51 |
| 2.0 | | 0 35.03 13.75 | 0 33.23 13.75 | 0 31.27 13.75 | 0 31.32 13.69 | 0 32.54 12.90 | 0 35.08 11.63 | 0 38.47 10.27 | 0 42.42 9.01 |
| 3.0 | | 0 48.78 13.75 | 0 46.98 13.75 | 0 45.02 13.75 | 0 45.02 13.71 | 0 45.71 13.35 | 0 47.32 12.66 | 0 49.59 11.77 | 0 52.43 10.81 |
| 4.0 | | 1 02.53 13.75 | 1 00.73 13.75 | 0 58.77 13.75 | 0 58.74 13.72 | 0 59.14 13.49 | 1 00.20 13.06 | 1 01.73 12.44 | 1 03.75 11.72 |
| 5.0 | | 1 16.27 13.74 | 1 14.47 13.74 | 1 12.51 13.74 | 1 12.45 13.72 | 1 12.67 13.55 | 1 13.36 13.24 | 1 14.35 12.76 | 1 15.74 12.20 |
| 6.0 | | 1 30.01 13.74 | 1 28.21 13.74 | 1 26.25 13.73 | 1 26.17 13.71 | 1 26.24 13.58 | 1 26.64 13.32 | 1 27.20 12.92 | 1 28.08 12.46 |
| 7.0 | | 1 43.75 13.73 | 1 41.94 13.73 | 1 39.98 13.73 | 1 39.88 13.71 | 1 39.83 13.60 | 1 39.98 13.35 | 1 40.17 13.00 | 1 40.62 12.59 |
| 8.0 | | 1 57.47 13.72 | 1 55.67 13.72 | 1 53.70 13.72 | 1 53.58 13.70 | 1 53.42 13.60 | 1 53.33 13.34 | 1 53.18 13.02 | 1 53.24 12.65 |
| 9.0 | | 2 11.19 13.71 | 2 09.38 13.71 | 2 07.41 13.71 | 2 07.27 13.69 | 2 07.02 13.60 | 2 06.66 13.30 | 2 06.20 13.00 | 2 05.89 12.64 |
| 10.0 | | 2 24.90 13.70 | 2 23.09 13.70 | 2 21.12 13.70 | 2 20.96 13.68 | 2 20.62 13.59 | 2 19.93 13.24 | 2 19.17 12.93 | 2 18.51 12.59 |
| 11.0 | | 2 38.59 13.69 | 2 36.78 13.69 | 2 34.81 13.68 | 2 34.63 13.66 | 2 34.21 13.59 | 2 33.12 13.14 | 2 32.05 12.82 | 2 31.06 12.51 |
| 12.0 | | 2 52.27 13.67 | 2 50.46 13.67 | 2 48.48 13.67 | 2 48.29 13.65 | 2 47.59 13.28 | 2 46.19 13.00 | 2 44.80 12.68 | 2 43.51 12.40 |
| 13.0 | | 3 05.94 13.66 | 3 04.13 13.66 | 3 02.14 13.65 | 3 01.93 13.64 | 3 00.80 13.13 | 2 59.10 12.82 | 2 57.41 12.52 | 2 55.85 12.27 |
| 14.0 | | 3 19.59 13.64 | 3 17.78 13.64 | 3 15.79 13.64 | 3 15.56 13.62 | 3 13.83 12.93 | 3 11.81 12.61 | 3 09.85 12.36 | 3 08.06 12.13 |
| 15.0 | | 3 33.23 13.63 | 3 31.41 13.19 | 3 29.32 13.14 | 3 28.75 13.03 | 3 26.63 12.66 | 3 24.32 12.41 | 3 22.13 12.20 | 3 19.74 11.02 |
| 16.0 | | 3 46.37 12.94 | 3 44.46 12.90 | 3 42.31 12.82 | 3 41.62 12.70 | 3 39.17 12.43 | 3 36.64 12.22 | 3 33.83 11.01 | 3 30.73 10.97 |
| 17.0 | | 3 59.13 12.58 | 3 57.17 12.55 | 3 54.96 12.50 | 3 54.17 12.42 | 3 51.49 12.22 | 3 48.19 11.00 | 3 44.81 10.95 | 3 41.67 10.89 |
| 18.0 | | 4 11.57 12.33 | 4 09.59 12.30 | 4 07.33 12.26 | 4 06.46 11.01 | 4 02.77 10.97 | 3 59.15 10.93 | 3 55.72 10.87 | 3 52.52 10.81 |
| 19.0 | | 4 23.16 10.98 | 4 21.04 10.97 | 4 18.57 10.96 | 4 17.44 10.95 | 4 13.71 10.90 | 4 10.04 10.84 | 4 06.55 10.78 | 4 03.28 10.71 |
| 20.0 | | 4 34.10 10.90 | 4 31.97 10.89 | 4 29.49 10.88 | 4 28.35 10.86 | 4 24.56 10.81 | 4 20.83 10.74 | 4 17.28 10.67 | 4 13.93 10.59 |
| 21.0 | | 4 44.95 10.81 | 4 42.82 10.80 | 4 40.32 10.78 | 4 39.16 10.76 | 4 35.32 10.70 | 4 31.52 10.63 | 4 27.89 10.55 | 4 24.46 10.47 |
| 22.0 | | 4 55.71 10.70 | 4 53.56 10.69 | 4 51.05 10.67 | 4 49.87 10.65 | 4 45.96 10.58 | 4 42.09 10.50 | 4 38.09 9.15 | 4 33.89 9.14 |
| 23.0 | | 5 06.34 10.57 | 5 04.18 10.56 | 5 01.65 10.54 | 5 00.46 10.52 | 4 56.18 9.15 | 4 51.62 9.13 | 4 47.22 9.12 | 4 43.00 9.10 |
| 24.0 | | 5 16.31 9.14 | 5 14.04 9.14 | 5 11.33 9.13 | 5 09.94 9.13 | 5 05.31 9.11 | 5 00.74 9.09 | 4 56.32 9.07 | 4 52.08 9.05 |
| 25.0 | | 5 25.43 9.10 | 5 23.15 9.10 | 5 20.44 9.09 | 5 19.04 9.09 | 5 14.40 9.07 | 5 09.81 9.05 | 5 05.37 9.03 | 5 01.11 9.00 |

| P | Depth of source [km] | | | | | | | | |
|-------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 5 25.43 9.10 | 5 23.15 9.10 | 5 20.44 9.09 | 5 19.04 9.09 | 5 14.40 9.07 | 5 09.81 9.05 | 5 05.37 9.03 | 5 01.11 9.00 |
| 26.0 | | 5 34.50 9.06 | 5 32.23 9.05 | 5 29.51 9.05 | 5 28.11 9.04 | 5 23.45 9.02 | 5 18.83 9.00 | 5 14.37 8.97 | 5 10.08 8.93 |
| 27.0 | | 5 43.54 9.00 | 5 41.25 9.00 | 5 38.53 8.99 | 5 37.12 8.98 | 5 32.44 8.95 | 5 27.79 8.92 | 5 23.30 8.90 | 5 18.99 8.88 |
| 28.0 | | 5 52.50 8.93 | 5 50.22 8.92 | 5 47.49 8.92 | 5 46.07 8.91 | 5 41.35 8.90 | 5 36.69 8.88 | 5 32.19 8.87 | 5 27.85 8.85 |
| 29.0 | | 6 01.41 8.88 | 5 59.12 8.88 | 5 56.38 8.88 | 5 54.96 8.87 | 5 50.23 8.86 | 5 45.56 8.85 | 5 41.04 8.84 | 5 36.69 8.82 |
| 30.0 | | 6 10.27 8.85 | 6 07.98 8.85 | 6 05.24 8.85 | 6 03.82 8.84 | 5 59.08 8.83 | 5 54.39 8.82 | 5 49.86 8.81 | 5 45.50 8.79 |
| 31.0 | | 6 19.11 8.82 | 6 16.81 8.82 | 6 14.07 8.81 | 6 12.64 8.81 | 6 07.89 8.80 | 6 03.19 8.78 | 5 58.64 8.77 | 5 54.27 8.75 |
| 32.0 | | 6 27.91 8.79 | 6 25.62 8.78 | 6 22.87 8.78 | 6 21.44 8.78 | 6 16.67 8.76 | 6 11.96 8.74 | 6 07.39 8.72 | 6 02.99 8.70 |
| 33.0 | | 6 36.68 8.74 | 6 34.38 8.74 | 6 31.63 8.74 | 6 30.19 8.73 | 6 25.41 8.71 | 6 20.67 8.69 | 6 16.08 8.66 | 6 11.66 8.64 |
| 34.0 | | 6 45.40 8.69 | 6 43.09 8.68 | 6 40.34 8.68 | 6 38.89 8.67 | 6 34.09 8.65 | 6 29.33 8.63 | 6 24.71 8.60 | 6 20.27 8.58 |
| 35.0 | | 6 54.06 8.63 | 6 51.75 8.62 | 6 48.99 8.62 | 6 47.54 8.61 | 6 42.71 8.59 | 6 37.93 8.57 | 6 33.29 8.54 | 6 28.82 8.52 |
| 36.0 | | 7 02.66 8.57 | 7 00.34 8.56 | 6 57.58 8.56 | 6 56.12 8.55 | 6 51.27 8.53 | 6 46.46 8.51 | 6 41.80 8.48 | 6 37.30 8.46 |
| 37.0 | | 7 11.19 8.51 | 7 08.88 8.50 | 7 06.10 8.50 | 7 04.64 8.49 | 6 59.76 8.47 | 6 54.94 8.44 | 6 50.25 8.42 | 6 45.73 8.39 |
| 38.0 | | 7 19.67 8.44 | 7 17.35 8.44 | 7 14.57 8.43 | 7 13.09 8.43 | 7 08.20 8.40 | 7 03.35 8.38 | 6 58.64 8.35 | 6 54.09 8.33 |
| 39.0 | | 7 28.08 8.38 | 7 25.75 8.37 | 7 22.97 8.37 | 7 21.49 8.36 | 7 16.57 8.33 | 7 11.69 8.31 | 7 06.96 8.29 | 7 02.38 8.26 |
| 40.0 | | 7 36.42 8.31 | 7 34.09 8.30 | 7 31.30 8.30 | 7 29.81 8.29 | 7 24.87 8.27 | 7 19.97 8.24 | 7 15.21 8.22 | 7 10.60 8.19 |
| 41.0 | | 7 44.70 8.24 | 7 42.36 8.24 | 7 39.56 8.23 | 7 38.07 8.22 | 7 33.10 8.20 | 7 28.18 8.18 | 7 23.39 8.15 | 7 18.76 8.12 |
| 42.0 | | 7 52.90 8.17 | 7 50.56 8.17 | 7 47.76 8.16 | 7 46.26 8.15 | 7 41.27 8.13 | 7 36.32 8.11 | 7 31.51 8.08 | 7 26.85 8.06 |
| 43.0 | | 8 01.04 8.10 | 7 58.70 8.10 | 7 55.88 8.09 | 7 54.38 8.08 | 7 49.36 8.06 | 7 44.39 8.04 | 7 39.56 8.01 | 7 34.87 7.99 |
| 44.0 | | 8 09.11 8.03 | 8 06.76 8.03 | 8 03.94 8.02 | 8 02.43 8.01 | 7 57.39 7.99 | 7 52.39 7.97 | 7 47.53 7.94 | 7 42.83 7.92 |
| 45.0 | | 8 17.10 7.96 | 8 14.75 7.96 | 8 11.93 7.95 | 8 10.40 7.94 | 8 05.34 7.92 | 8 00.32 7.90 | 7 55.44 7.87 | 7 50.71 7.85 |
| 46.0 | | 8 25.03 7.89 | 8 22.67 7.88 | 8 19.84 7.88 | 8 18.31 7.87 | 8 13.23 7.85 | 8 08.18 7.82 | 8 03.27 7.80 | 7 58.52 7.77 |
| 47.0 | | 8 32.88 7.82 | 8 30.52 7.81 | 8 27.68 7.81 | 8 26.14 7.80 | 8 21.04 7.78 | 8 15.97 7.75 | 8 11.04 7.73 | 8 06.26 7.70 |
| 48.0 | | 8 40.66 7.74 | 8 38.29 7.74 | 8 35.45 7.73 | 8 33.91 7.73 | 8 28.78 7.70 | 8 23.69 7.68 | 8 18.73 7.66 | 8 13.92 7.63 |
| 49.0 | | 8 48.37 7.67 | 8 46.00 7.67 | 8 43.15 7.66 | 8 41.60 7.65 | 8 36.44 7.63 | 8 31.33 7.61 | 8 26.35 7.58 | 8 21.52 7.56 |
| 50.0 | | 8 56.00 7.60 | 8 53.63 7.59 | 8 50.77 7.59 | 8 49.21 7.58 | 8 44.04 7.56 | 8 38.91 7.54 | 8 33.90 7.51 | 8 29.04 7.49 |

| P | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 50.0 | | 8 56.00 7.60 | 8 53.63 7.59 | 8 50.77 7.59 | 8 49.21 7.58 | 8 44.04 7.56 | 8 38.91 7.54 | 8 33.90 7.51 | 8 29.04 7.49 |
| 51.0 | | 9 03.56 7.52 | 9 01.18 7.52 | 8 58.32 7.51 | 8 56.76 7.51 | 8 51.56 7.49 | 8 46.41 7.46 | 8 41.38 7.44 | 8 36.50 7.42 |
| 52.0 | | 9 11.05 7.45 | 9 08.67 7.45 | 9 05.80 7.44 | 9 04.23 7.44 | 8 59.01 7.42 | 8 53.83 7.39 | 8 48.78 7.37 | 8 43.88 7.35 |
| 53.0 | | 9 18.47 7.38 | 9 16.08 7.38 | 9 13.20 7.37 | 9 11.63 7.36 | 9 06.39 7.34 | 9 01.19 7.32 | 8 56.12 7.30 | 8 51.19 7.28 |
| 54.0 | | 9 25.81 7.31 | 9 23.42 7.30 | 9 20.54 7.30 | 9 18.96 7.29 | 9 13.70 7.27 | 9 08.48 7.25 | 9 03.38 7.23 | 8 58.43 7.20 |
| 55.0 | | 9 33.08 7.23 | 9 30.69 7.23 | 9 27.80 7.22 | 9 26.21 7.22 | 9 20.93 7.20 | 9 15.69 7.18 | 9 10.58 7.15 | 9 05.60 7.13 |
| 56.0 | | 9 40.28 7.16 | 9 37.88 7.16 | 9 34.99 7.15 | 9 33.39 7.14 | 9 28.09 7.12 | 9 22.83 7.10 | 9 17.69 7.08 | 9 12.70 7.06 |
| 57.0 | | 9 47.40 7.09 | 9 45.00 7.08 | 9 42.10 7.08 | 9 40.50 7.07 | 9 35.18 7.05 | 9 29.90 7.03 | 9 24.74 7.01 | 9 19.72 6.99 |
| 58.0 | | 9 54.46 7.02 | 9 52.05 7.01 | 9 49.14 7.01 | 9 47.54 7.00 | 9 42.20 6.98 | 9 36.90 6.96 | 9 31.72 6.94 | 9 26.68 6.92 |
| 59.0 | | 10 01.43 6.94 | 9 59.02 6.94 | 9 56.11 6.93 | 9 54.50 6.93 | 9 49.14 6.91 | 9 43.82 6.89 | 9 38.62 6.87 | 9 33.56 6.85 |
| 60.0 | | 10 08.34 6.87 | 10 05.93 6.87 | 10 03.01 6.86 | 10 01.39 6.85 | 9 56.01 6.83 | 9 50.67 6.81 | 9 45.45 6.79 | 9 40.37 6.77 |
| 61.0 | | 10 15.17 6.80 | 10 12.75 6.79 | 10 09.83 6.79 | 10 08.21 6.78 | 10 02.81 6.76 | 9 57.45 6.74 | 9 52.21 6.72 | 9 47.11 6.70 |
| 62.0 | | 10 21.93 6.72 | 10 19.51 6.72 | 10 16.58 6.71 | 10 14.95 6.71 | 10 09.54 6.69 | 10 04.16 6.67 | 9 58.90 6.65 | 9 53.77 6.63 |
| 63.0 | | 10 28.62 6.65 | 10 26.19 6.65 | 10 23.26 6.64 | 10 21.63 6.64 | 10 16.19 6.62 | 10 10.79 6.60 | 10 05.51 6.58 | 10 00.37 6.56 |
| 64.0 | | 10 35.23 6.58 | 10 32.80 6.58 | 10 29.86 6.57 | 10 28.23 6.56 | 10 22.77 6.55 | 10 17.36 6.53 | 10 12.06 6.51 | 10 06.90 6.49 |
| 65.0 | | 10 41.78 6.51 | 10 39.34 6.50 | 10 36.40 6.50 | 10 34.76 6.49 | 10 29.29 6.48 | 10 23.85 6.46 | 10 18.53 6.44 | 10 13.35 6.42 |
| 66.0 | | 10 48.25 6.44 | 10 45.81 6.43 | 10 42.86 6.43 | 10 41.21 6.42 | 10 35.72 6.40 | 10 30.27 6.39 | 10 24.94 6.37 | 10 19.74 6.35 |
| 67.0 | | 10 54.65 6.36 | 10 52.21 6.36 | 10 49.25 6.35 | 10 47.60 6.35 | 10 42.09 6.33 | 10 36.62 6.31 | 10 31.27 6.30 | 10 26.05 6.28 |
| 68.0 | | 11 00.97 6.29 | 10 58.53 6.29 | 10 55.57 6.28 | 10 53.91 6.28 | 10 48.39 6.26 | 10 42.90 6.24 | 10 37.53 6.22 | 10 32.29 6.21 |
| 69.0 | | 11 07.23 6.22 | 11 04.78 6.21 | 11 01.82 6.21 | 11 00.15 6.20 | 10 54.61 6.19 | 10 49.11 6.17 | 10 43.72 6.15 | 10 38.46 6.13 |
| 70.0 | | 11 13.41 6.14 | 11 10.96 6.14 | 11 07.99 6.14 | 11 06.32 6.13 | 11 00.76 6.12 | 10 55.24 6.10 | 10 49.83 6.08 | 10 44.56 6.06 |
| 71.0 | | 11 19.51 6.07 | 11 17.06 6.07 | 11 14.09 6.06 | 11 12.41 6.06 | 11 06.84 6.04 | 11 01.30 6.03 | 10 55.88 6.01 | 10 50.59 5.99 |
| 72.0 | | 11 25.55 6.00 | 11 23.09 6.00 | 11 20.12 5.99 | 11 18.44 5.99 | 11 12.85 5.97 | 11 07.29 5.95 | 11 01.85 5.94 | 10 56.54 5.92 |
| 73.0 | | 11 31.51 5.93 | 11 29.05 5.92 | 11 26.07 5.92 | 11 24.39 5.91 | 11 18.78 5.90 | 11 13.21 5.88 | 11 07.75 5.86 | 11 02.43 5.85 |
| 74.0 | | 11 37.40 5.85 | 11 34.94 5.85 | 11 31.95 5.84 | 11 30.26 5.84 | 11 24.64 5.82 | 11 19.05 5.81 | 11 13.58 5.79 | 11 08.24 5.77 |
| 75.0 | | 11 43.22 5.78 | 11 40.75 5.77 | 11 37.76 5.77 | 11 36.06 5.76 | 11 30.43 5.75 | 11 24.82 5.73 | 11 19.33 5.72 | 11 13.97 5.70 |

| P | Depth of source [km] | | | | | | | | |
|-------|----------------------|----------|----------|----------|----------|----------|----------|----------|------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 75.0 | 11 43.22 | 11 40.75 | 11 37.76 | 11 36.06 | 11 30.43 | 11 24.82 | 11 19.33 | 11 13.97 | |
| | 5.78 | 5.77 | 5.77 | 5.76 | 5.75 | 5.73 | 5.72 | 5.70 | |
| 76.0 | 11 48.96 | 11 46.49 | 11 43.49 | 11 41.79 | 11 36.14 | 11 30.52 | 11 25.01 | 11 19.64 | |
| | 5.70 | 5.70 | 5.70 | 5.69 | 5.68 | 5.66 | 5.64 | 5.63 | |
| 77.0 | 11 54.62 | 11 52.15 | 11 49.15 | 11 47.45 | 11 41.78 | 11 36.14 | 11 30.62 | 11 25.23 | |
| | 5.63 | 5.63 | 5.62 | 5.62 | 5.60 | 5.59 | 5.57 | 5.56 | |
| 78.0 | 12 00.22 | 11 57.74 | 11 54.74 | 11 53.03 | 11 47.35 | 11 41.70 | 11 36.16 | 11 30.75 | |
| | 5.56 | 5.56 | 5.55 | 5.55 | 5.53 | 5.52 | 5.50 | 5.49 | |
| 79.0 | 12 05.74 | 12 03.26 | 12 00.25 | 11 58.54 | 11 52.84 | 11 47.18 | 11 41.62 | 11 36.20 | |
| | 5.49 | 5.48 | 5.48 | 5.47 | 5.46 | 5.44 | 5.43 | 5.41 | |
| 80.0 | 12 11.19 | 12 08.71 | 12 05.69 | 12 03.98 | 11 58.26 | 11 52.58 | 11 47.02 | 11 41.57 | |
| | 5.41 | 5.41 | 5.40 | 5.40 | 5.38 | 5.37 | 5.35 | 5.34 | |
| 81.0 | 12 16.56 | 12 14.07 | 12 11.05 | 12 09.34 | 12 03.61 | 11 57.91 | 11 52.33 | 11 46.87 | |
| | 5.33 | 5.33 | 5.33 | 5.32 | 5.31 | 5.29 | 5.28 | 5.26 | |
| 82.0 | 12 21.85 | 12 19.37 | 12 16.34 | 12 14.62 | 12 08.88 | 12 03.17 | 11 57.57 | 11 52.10 | |
| | 5.26 | 5.25 | 5.25 | 5.25 | 5.23 | 5.22 | 5.20 | 5.19 | |
| 83.0 | 12 27.07 | 12 24.58 | 12 21.56 | 12 19.83 | 12 14.07 | 12 08.35 | 12 02.73 | 11 57.25 | |
| | 5.18 | 5.18 | 5.18 | 5.17 | 5.16 | 5.14 | 5.13 | 5.11 | |
| 84.0 | 12 32.22 | 12 29.72 | 12 26.69 | 12 24.96 | 12 19.19 | 12 13.45 | 12 07.82 | 12 02.32 | |
| | 5.10 | 5.10 | 5.10 | 5.09 | 5.08 | 5.06 | 5.05 | 5.03 | |
| 85.0 | 12 37.28 | 12 34.78 | 12 31.75 | 12 30.01 | 12 24.23 | 12 18.47 | 12 12.83 | 12 07.31 | |
| | 5.02 | 5.02 | 5.01 | 5.01 | 5.00 | 4.98 | 4.97 | 4.96 | |
| 86.0 | 12 42.26 | 12 39.77 | 12 36.72 | 12 34.98 | 12 29.19 | 12 23.42 | 12 17.76 | 12 12.23 | |
| | 4.95 | 4.94 | 4.94 | 4.94 | 4.93 | 4.91 | 4.90 | 4.89 | |
| 87.0 | 12 47.18 | 12 44.68 | 12 41.63 | 12 39.89 | 12 34.08 | 12 28.29 | 12 22.62 | 12 17.06 | |
| | 4.87 | 4.87 | 4.87 | 4.86 | 4.84 | 4.82 | 4.80 | 4.76 | |
| 88.0 | 12 51.99 | 12 49.49 | 12 46.43 | 12 44.68 | 12 38.85 | 12 33.05 | 12 27.36 | 12 21.79 | |
| | 4.75 | 4.75 | 4.74 | 4.74 | 4.73 | 4.72 | 4.71 | 4.71 | |
| 89.0 | 12 56.71 | 12 54.21 | 12 51.15 | 12 49.40 | 12 43.56 | 12 37.76 | 12 32.06 | 12 26.48 | |
| | 4.70 | 4.70 | 4.70 | 4.70 | 4.69 | 4.68 | 4.68 | 4.67 | |
| 90.0 | 13 01.40 | 12 58.89 | 12 55.83 | 12 54.08 | 12 48.24 | 12 42.43 | 12 36.72 | 12 31.15 | |
| | 4.67 | 4.67 | 4.67 | 4.67 | 4.66 | 4.66 | 4.65 | 4.65 | |
| 91.0 | 13 06.05 | 13 03.55 | 13 00.49 | 12 58.73 | 12 52.89 | 12 47.07 | 12 41.37 | 12 35.78 | |
| | 4.64 | 4.64 | 4.64 | 4.64 | 4.64 | 4.63 | 4.63 | 4.63 | |
| 92.0 | 13 10.69 | 13 08.18 | 13 05.12 | 13 03.37 | 12 57.52 | 12 51.70 | 12 45.99 | 12 40.40 | |
| | 4.63 | 4.63 | 4.62 | 4.62 | 4.62 | 4.62 | 4.62 | 4.61 | |
| 93.0 | 13 15.31 | 13 12.80 | 13 09.74 | 13 07.98 | 13 02.13 | 12 56.31 | 12 50.60 | 12 45.01 | |
| | 4.61 | 4.61 | 4.61 | 4.61 | 4.61 | 4.61 | 4.60 | 4.60 | |
| 94.0 | 13 19.91 | 13 17.40 | 13 14.34 | 13 12.58 | 13 06.73 | 13 00.91 | 12 55.19 | 12 49.60 | |
| | 4.60 | 4.60 | 4.60 | 4.59 | 4.59 | 4.59 | 4.58 | 4.58 | |
| 95.0 | 13 24.50 | 13 21.99 | 13 18.93 | 13 17.17 | 13 11.31 | 13 05.48 | 12 59.76 | 12 54.17 | |
| | 4.58 | 4.57 | 4.57 | 4.57 | 4.57 | 4.56 | 4.56 | 4.56 | |
| 96.0 | 13 29.06 | 13 26.55 | 13 23.49 | 13 21.73 | 13 15.87 | 13 10.04 | 13 04.31 | 12 58.71 | |
| | 4.55 | 4.55 | 4.55 | 4.55 | 4.54 | 4.54 | 4.53 | 4.53 | |
| 97.0 | 13 33.60 | 13 31.09 | 13 28.02 | 13 26.26 | 13 20.40 | 13 14.56 | 13 08.83 | 13 03.23 | |
| | 4.52 | 4.52 | 4.52 | 4.52 | 4.52 | 4.51 | 4.51 | 4.50 | |
| 98.0 | 13 38.11 | 13 35.60 | 13 32.53 | 13 30.77 | 13 24.90 | 13 19.06 | 13 13.33 | 13 07.72 | |
| | 4.50 | 4.50 | 4.49 | 4.49 | 4.49 | 4.48 | 4.48 | 4.47 | |
| 99.0 | 13 42.59 | 13 40.08 | 13 37.01 | 13 35.25 | 13 29.37 | 13 23.53 | 13 17.79 | 13 12.17 | |
| | 4.47 | 4.47 | 4.46 | 4.46 | 4.46 | 4.45 | 4.45 | 4.45 | |
| 100.0 | 13 47.04 | 13 44.53 | 13 41.46 | 13 39.70 | 13 33.82 | 13 27.97 | 13 22.23 | 13 16.62 | |
| | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | |

| P | Depth of source [km] | | | | | | | | |
|--------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 100.0 | | 13 47.04 4.45 | 13 44.53 4.45 | 13 41.46 4.45 | 13 39.70 4.45 | 13 33.82 4.45 | 13 27.97 4.45 | 13 22.23 4.45 | 13 16.62 4.45 |
| 101.0 | | 13 51.49 4.45 | 13 48.97 4.45 | 13 45.91 4.45 | 13 44.14 4.45 | 13 38.26 4.45 | 13 32.42 4.45 | 13 26.68 4.45 | 13 21.07 4.45 |
| 102.0 | | 13 55.93 4.45 | 13 53.42 4.45 | 13 50.35 4.45 | 13 48.59 4.45 | 13 42.71 4.45 | 13 36.86 4.45 | 13 31.13 4.45 | 13 25.51 4.45 |
| 103.0 | | 14 00.38 4.45 | 13 57.86 4.45 | 13 54.80 4.45 | 13 53.03 4.45 | 13 47.16 4.45 | 13 41.31 4.45 | 13 35.57 4.45 | 13 29.96 4.45 |
| 104.0 | | 14 04.83 4.45 | 14 02.31 4.45 | 13 59.24 4.45 | 13 57.48 4.45 | 13 51.60 4.45 | 13 45.76 4.45 | 13 40.02 4.45 | 13 34.40 4.45 |
| 105.0 | | 14 09.27 4.45 | 14 06.76 4.45 | 14 03.69 4.45 | 14 01.92 4.45 | 13 56.05 4.45 | 13 50.20 4.45 | 13 44.46 4.45 | 13 38.85 4.45 |
| 106.0 | | 14 13.72 4.45 | 14 11.20 4.45 | 14 08.14 4.45 | 14 06.37 4.45 | 14 00.49 4.45 | 13 54.65 4.45 | 13 48.91 4.45 | 13 43.29 4.45 |
| 107.0 | | 14 18.16 4.45 | 14 15.65 4.45 | 14 12.58 4.45 | 14 10.82 4.45 | 14 04.94 4.45 | 13 59.09 4.45 | 13 53.35 4.45 | 13 47.74 4.45 |
| 108.0 | | 14 22.61 4.45 | 14 20.09 4.45 | 14 17.03 4.45 | 14 15.26 4.45 | 14 09.38 4.45 | 14 03.54 4.45 | 13 57.80 4.45 | 13 52.18 4.45 |
| 109.0 | | 14 27.05 4.45 | 14 24.54 4.45 | 14 21.47 4.45 | 14 19.71 4.45 | 14 13.83 4.45 | 14 07.98 4.45 | 14 02.24 4.45 | 13 56.63 4.45 |
| 110.0 | | 14 31.50 4.45 | 14 28.98 4.45 | 14 25.92 4.45 | 14 24.15 4.45 | 14 18.28 4.45 | 14 12.43 4.45 | 14 06.69 4.45 | 14 01.08 4.45 |
| 111.0 | | 14 35.95 4.45 | 14 33.43 4.45 | 14 30.36 4.45 | 14 28.60 4.45 | 14 22.72 4.45 | 14 16.87 4.45 | 14 11.14 4.45 | 14 05.52 4.45 |
| 112.0 | | 14 40.39 4.45 | 14 37.88 4.45 | 14 34.81 4.45 | 14 33.04 4.45 | 14 27.17 4.45 | 14 21.32 4.45 | 14 15.58 4.45 | 14 09.97 4.45 |
| 113.0 | | 14 44.84 4.45 | 14 42.32 4.45 | 14 39.25 4.45 | 14 37.49 4.45 | 14 31.61 4.45 | 14 25.77 4.45 | 14 20.03 4.45 | 14 14.41 4.45 |
| 114.0 | | 14 49.28 4.45 | 14 46.77 4.45 | 14 43.70 4.45 | 14 41.94 4.45 | 14 36.06 4.45 | 14 30.21 4.45 | 14 24.47 4.45 | 14 18.86 4.45 |
| 115.0 | | 14 53.73 4.45 | 14 51.21 4.45 | 14 48.15 4.45 | 14 46.38 4.45 | 14 40.50 4.45 | 14 34.66 4.45 | 14 28.92 4.45 | 14 23.30 4.45 |
| 116.0 | | 14 58.17 4.45 | 14 55.66 4.45 | 14 52.59 4.45 | 14 50.83 4.45 | 14 44.95 4.45 | 14 39.10 4.45 | 14 33.36 4.45 | 14 27.75 4.45 |
| 117.0 | | 15 02.62 4.45 | 15 00.10 4.45 | 14 57.04 4.45 | 14 55.27 4.45 | 14 49.40 4.45 | 14 43.55 4.45 | 14 37.81 4.45 | 14 32.20 4.45 |
| 118.0 | | 15 07.06 4.45 | 15 04.55 4.45 | 15 01.48 4.45 | 14 59.72 4.45 | 14 53.84 4.45 | 14 47.99 4.45 | 14 42.26 4.45 | 14 36.64 4.45 |
| 119.0 | | 15 11.51 4.45 | 15 08.99 4.45 | 15 05.93 4.45 | 15 04.16 4.45 | 14 58.29 4.45 | 14 52.44 4.45 | 14 46.70 4.45 | 14 41.09 4.45 |
| 120.0 | | 15 15.96 4.45 | 15 13.44 4.45 | 15 10.37 4.45 | 15 08.61 4.45 | 15 02.73 4.45 | 14 56.89 4.45 | 14 51.15 4.45 | 14 45.53 4.45 |
| 121.0 | | 15 20.40 4.45 | 15 17.89 4.45 | 15 14.82 4.45 | 15 13.05 4.45 | 15 07.18 4.45 | 15 01.33 4.45 | 14 55.59 4.45 | 14 49.98 4.45 |
| 122.0 | | 15 24.85 4.45 | 15 22.33 4.45 | 15 19.27 4.45 | 15 17.50 4.45 | 15 11.62 4.45 | 15 05.78 4.45 | 15 00.04 4.45 | 14 54.42 4.45 |
| 123.0 | | 15 29.29 4.45 | 15 26.78 4.45 | 15 23.71 4.45 | 15 21.95 4.45 | 15 16.07 4.45 | 15 10.22 4.45 | 15 04.48 4.45 | 14 58.87 4.45 |
| 124.0 | | 15 33.74 4.45 | 15 31.22 4.45 | 15 28.16 4.45 | 15 26.39 4.45 | 15 20.52 4.45 | 15 14.67 4.45 | 15 08.93 4.45 | 15 03.32 4.45 |
| 125.0 | | 15 38.18 4.45 | 15 35.67 4.45 | 15 32.60 4.45 | 15 30.84 4.45 | 15 24.96 4.45 | 15 19.11 4.45 | 15 13.38 4.45 | 15 07.76 4.45 |

| P | Depth of source [km] | | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | | 0 37.97 0.00 | 0 43.70 0.00 | 0 49.32 0.00 | 0 54.67 0.00 | 0 59.89 0.00 | 1 05.02 0.00 | 1 10.07 0.00 | 1 15.02 0.00 | 1 19.70 0.00 |
| 1.0 | | 0 40.34 4.61 | 0 45.71 3.92 | 0 51.05 3.39 | 0 56.18 2.97 | 1 01.23 2.62 | 1 06.21 2.34 | 1 11.14 2.11 | 1 16.00 1.91 | 1 20.58 1.74 |
| 2.0 | | 0 46.73 7.91 | 0 51.26 6.97 | 0 55.91 6.19 | 1 00.47 5.51 | 1 05.03 4.93 | 1 09.62 4.43 | 1 14.22 4.01 | 1 18.79 3.65 | 1 23.13 3.33 |
| 3.0 | | 0 55.71 9.86 | 0 59.31 8.98 | 1 03.16 8.17 | 1 06.97 7.41 | 1 10.91 6.74 | 1 14.95 6.15 | 1 19.07 5.64 | 1 23.24 5.18 | 1 27.18 4.75 |
| 4.0 | | 1 06.17 10.96 | 1 08.95 10.21 | 1 12.02 9.48 | 1 15.09 8.74 | 1 18.35 8.07 | 1 21.79 7.46 | 1 25.37 6.91 | 1 29.06 6.41 | 1 32.55 5.93 |
| 5.0 | | 1 17.48 11.59 | 1 19.56 10.95 | 1 21.95 10.32 | 1 24.31 9.63 | 1 26.91 9.00 | 1 29.76 8.42 | 1 32.79 7.88 | 1 35.98 7.38 | 1 38.97 6.87 |
| 6.0 | | 1 29.26 11.95 | 1 30.76 11.41 | 1 32.56 10.86 | 1 34.25 10.22 | 1 36.25 9.64 | 1 38.54 9.10 | 1 41.05 8.60 | 1 43.74 8.12 | 1 46.23 7.61 |
| 7.0 | | 1 41.32 12.15 | 1 42.32 11.68 | 1 43.61 11.20 | 1 44.66 10.58 | 1 46.12 10.06 | 1 47.89 9.58 | 1 49.92 9.11 | 1 52.15 8.66 | 1 54.12 8.16 |
| 8.0 | | 1 53.52 12.25 | 1 54.08 11.84 | 1 54.92 11.41 | 1 55.35 10.77 | 1 56.33 10.33 | 1 57.64 9.90 | 1 59.23 9.48 | 2 01.02 9.07 | 2 02.49 8.55 |
| 9.0 | | 2 05.79 12.28 | 2 05.96 11.91 | 2 06.40 11.53 | 2 06.17 10.86 | 2 06.74 10.49 | 2 07.66 10.11 | 2 08.84 9.73 | 2 10.24 9.35 | 2 11.18 8.82 |
| 10.0 | | 2 18.07 12.26 | 2 17.88 11.93 | 2 17.52 11.08 | 2 17.05 10.88 | 2 17.28 10.57 | 2 17.84 10.24 | 2 18.66 9.90 | 2 19.70 9.55 | 2 20.09 8.98 |
| 11.0 | | 2 30.30 12.21 | 2 29.80 11.90 | 2 28.59 11.05 | 2 27.93 10.87 | 2 27.87 10.60 | 2 28.12 10.31 | 2 28.61 10.00 | 2 29.33 9.69 | 2 29.11 9.05 |
| 12.0 | | 2 42.47 12.12 | 2 41.55 11.07 | 2 39.62 11.01 | 2 38.79 10.84 | 2 38.47 10.60 | 2 38.44 10.33 | 2 38.64 10.05 | 2 38.56 9.22 | 2 38.17 9.08 |
| 13.0 | | 2 54.55 12.02 | 2 52.60 11.03 | 2 50.61 10.96 | 2 49.61 10.79 | 2 49.06 10.57 | 2 48.77 10.33 | 2 48.71 10.07 | 2 47.78 9.21 | 2 47.26 9.08 |
| 14.0 | | 3 05.98 11.03 | 3 03.60 10.97 | 3 01.54 10.89 | 3 00.37 10.73 | 2 59.61 10.53 | 2 59.09 10.30 | 2 58.78 10.06 | 2 56.97 9.19 | 2 56.34 9.07 |
| 15.0 | | 3 16.99 10.97 | 3 14.54 10.91 | 3 12.39 10.82 | 3 11.06 10.66 | 3 10.11 10.46 | 3 09.37 10.25 | 3 08.06 9.19 | 3 06.15 9.16 | 3 05.40 9.05 |
| 16.0 | | 3 27.93 10.91 | 3 25.41 10.83 | 3 23.17 10.73 | 3 21.68 10.57 | 3 20.53 10.39 | 3 19.44 9.19 | 3 17.24 9.17 | 3 15.29 9.13 | 3 14.44 9.03 |
| 17.0 | | 3 38.79 10.82 | 3 36.19 10.74 | 3 33.85 10.63 | 3 32.21 10.48 | 3 30.88 10.30 | 3 28.62 9.17 | 3 26.39 9.14 | 3 24.41 9.10 | 3 23.45 8.99 |
| 18.0 | | 3 49.57 10.73 | 3 46.88 10.63 | 3 44.43 10.53 | 3 42.63 10.38 | 3 40.26 9.16 | 3 37.77 9.14 | 3 35.51 9.10 | 3 33.48 9.06 | 3 32.42 8.95 |
| 19.0 | | 4 00.24 10.62 | 3 57.45 10.52 | 3 54.90 10.41 | 3 52.15 9.16 | 3 49.41 9.13 | 3 46.89 9.10 | 3 44.59 9.06 | 3 42.52 9.01 | 3 41.35 8.90 |
| 20.0 | | 4 10.81 10.50 | 4 07.86 9.17 | 4 04.33 9.15 | 4 01.29 9.12 | 3 58.53 9.09 | 3 55.97 9.06 | 3 53.63 9.02 | 3 51.50 8.95 | 3 50.23 8.87 |
| 21.0 | | 4 20.76 9.15 | 4 17.01 9.13 | 4 13.47 9.11 | 4 10.40 9.08 | 4 07.60 9.05 | 4 05.01 9.01 | 4 02.62 8.96 | 4 00.43 8.90 | 3 59.09 8.85 |
| 22.0 | | 4 29.90 9.12 | 4 26.12 9.10 | 4 22.56 9.07 | 4 19.46 9.04 | 4 16.63 9.00 | 4 13.99 8.95 | 4 11.54 8.90 | 4 09.31 8.87 | 4 07.93 8.82 |
| 23.0 | | 4 39.00 9.08 | 4 35.20 9.05 | 4 31.61 9.03 | 4 28.48 8.99 | 4 25.60 8.93 | 4 22.91 8.90 | 4 20.43 8.87 | 4 18.16 8.84 | 4 16.73 8.79 |
| 24.0 | | 4 48.05 9.03 | 4 44.23 9.00 | 4 40.61 8.96 | 4 37.43 8.92 | 4 34.51 8.89 | 4 31.79 8.86 | 4 29.28 8.84 | 4 26.99 8.81 | 4 25.51 8.76 |
| 25.0 | | 4 57.05 8.97 | 4 53.20 8.93 | 4 49.53 8.90 | 4 46.33 8.88 | 4 43.38 8.86 | 4 40.64 8.83 | 4 38.10 8.81 | 4 35.78 8.78 | 4 34.25 8.72 |

| P | Depth of source [km] | | | | | | | | | |
|-------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 4 57.05 8.97 | 4 53.20 8.93 | 4 49.53 8.90 | 4 46.33 8.88 | 4 43.38 8.86 | 4 40.64 8.83 | 4 38.10 8.81 | 4 35.78 8.78 | 4 34.25 8.72 |
| 26.0 | | 5 05.99 8.91 | 5 02.10 8.89 | 4 58.42 8.87 | 4 55.19 8.85 | 4 52.22 8.83 | 4 49.45 8.80 | 4 46.89 8.78 | 4 44.54 8.74 | 4 42.94 8.67 |
| 27.0 | | 5 14.88 8.87 | 5 10.97 8.85 | 5 07.27 8.84 | 5 04.02 8.82 | 5 01.03 8.80 | 4 58.24 8.77 | 4 55.65 8.73 | 4 53.25 8.69 | 4 51.58 8.62 |
| 28.0 | | 5 23.73 8.84 | 5 19.81 8.82 | 5 16.09 8.81 | 5 12.82 8.79 | 5 09.81 8.76 | 5 06.99 8.72 | 5 04.36 8.68 | 5 01.91 8.63 | 5 00.17 8.57 |
| 29.0 | | 5 32.55 8.81 | 5 28.62 8.79 | 5 24.88 8.77 | 5 21.59 8.74 | 5 18.55 8.71 | 5 15.69 8.67 | 5 13.01 8.63 | 5 10.52 8.58 | 5 08.71 8.51 |
| 30.0 | | 5 41.34 8.77 | 5 37.39 8.75 | 5 33.63 8.72 | 5 30.31 8.69 | 5 27.23 8.65 | 5 24.33 8.61 | 5 21.61 8.57 | 5 19.07 8.52 | 5 17.20 8.46 |
| 31.0 | | 5 50.09 8.73 | 5 46.11 8.70 | 5 42.33 8.67 | 5 38.97 8.63 | 5 35.85 8.60 | 5 32.91 8.56 | 5 30.15 8.51 | 5 27.57 8.47 | 5 25.63 8.40 |
| 32.0 | | 5 58.79 8.67 | 5 54.78 8.64 | 5 50.97 8.61 | 5 47.58 8.58 | 5 44.42 8.54 | 5 41.44 8.50 | 5 38.64 8.46 | 5 36.01 8.41 | 5 34.01 8.35 |
| 33.0 | | 6 07.43 8.61 | 6 03.40 8.58 | 5 59.55 8.55 | 5 56.13 8.52 | 5 52.93 8.48 | 5 49.91 8.44 | 5 47.06 8.40 | 5 44.39 8.35 | 5 42.32 8.29 |
| 34.0 | | 6 16.01 8.55 | 6 11.95 8.52 | 6 08.07 8.49 | 6 04.61 8.46 | 6 01.38 8.42 | 5 58.32 8.38 | 5 55.43 8.34 | 5 52.71 8.29 | 5 50.58 8.23 |
| 35.0 | | 6 24.53 8.49 | 6 20.44 8.46 | 6 16.54 8.43 | 6 13.04 8.40 | 6 09.77 8.36 | 6 06.67 8.32 | 6 03.73 8.27 | 6 00.96 8.23 | 5 58.78 8.17 |
| 36.0 | | 6 32.99 8.43 | 6 28.87 8.40 | 6 24.94 8.37 | 6 21.41 8.33 | 6 18.10 8.29 | 6 14.96 8.25 | 6 11.98 8.21 | 6 09.16 8.17 | 6 06.92 8.11 |
| 37.0 | | 6 41.39 8.36 | 6 37.24 8.33 | 6 33.27 8.30 | 6 29.71 8.27 | 6 26.36 8.23 | 6 23.18 8.19 | 6 20.16 8.15 | 6 17.30 8.10 | 6 15.00 8.05 |
| 38.0 | | 6 49.72 8.30 | 6 45.54 8.27 | 6 41.54 8.24 | 6 37.94 8.20 | 6 34.56 8.17 | 6 31.34 8.13 | 6 28.27 8.08 | 6 25.37 8.04 | 6 23.02 7.98 |
| 39.0 | | 6 57.99 8.23 | 6 53.78 8.20 | 6 49.75 8.17 | 6 46.11 8.14 | 6 42.69 8.10 | 6 39.43 8.06 | 6 36.33 8.02 | 6 33.38 7.98 | 6 30.97 7.92 |
| 40.0 | | 7 06.19 8.16 | 7 01.95 8.14 | 6 57.88 8.11 | 6 54.22 8.07 | 6 50.76 8.03 | 6 47.46 7.99 | 6 44.31 7.95 | 6 41.32 7.91 | 6 38.86 7.86 |
| 41.0 | | 7 14.32 8.10 | 7 10.05 8.07 | 7 05.96 8.04 | 7 02.25 8.00 | 6 58.76 7.97 | 6 55.42 7.93 | 6 52.23 7.89 | 6 49.20 7.85 | 6 46.69 7.79 |
| 42.0 | | 7 22.38 8.03 | 7 18.08 8.00 | 7 13.96 7.97 | 7 10.22 7.93 | 7 06.69 7.90 | 7 03.32 7.86 | 7 00.09 7.82 | 6 57.01 7.78 | 6 54.45 7.73 |
| 43.0 | | 7 30.37 7.96 | 7 26.05 7.93 | 7 21.89 7.90 | 7 18.12 7.87 | 7 14.56 7.83 | 7 11.14 7.79 | 7 07.88 7.75 | 7 04.76 7.71 | 7 02.14 7.66 |
| 44.0 | | 7 38.30 7.89 | 7 33.94 7.86 | 7 29.76 7.83 | 7 25.96 7.80 | 7 22.36 7.76 | 7 18.90 7.73 | 7 15.60 7.69 | 7 12.44 7.65 | 7 09.77 7.60 |
| 45.0 | | 7 46.15 7.82 | 7 41.77 7.79 | 7 37.55 7.76 | 7 33.72 7.73 | 7 30.08 7.69 | 7 26.59 7.66 | 7 23.25 7.62 | 7 20.05 7.58 | 7 17.34 7.53 |
| 46.0 | | 7 53.93 7.75 | 7 49.52 7.72 | 7 45.28 7.69 | 7 41.41 7.66 | 7 37.74 7.62 | 7 34.22 7.59 | 7 30.84 7.55 | 7 27.60 7.51 | 7 24.84 7.47 |
| 47.0 | | 8 01.65 7.68 | 7 57.21 7.65 | 7 52.94 7.62 | 7 49.04 7.59 | 7 45.33 7.56 | 7 41.77 7.52 | 7 38.35 7.48 | 7 35.08 7.45 | 7 32.27 7.40 |
| 48.0 | | 8 09.29 7.61 | 8 04.82 7.58 | 8 00.52 7.55 | 7 56.59 7.52 | 7 52.85 7.49 | 7 49.26 7.45 | 7 45.80 7.42 | 7 42.49 7.38 | 7 39.65 7.34 |
| 49.0 | | 8 16.86 7.53 | 8 12.37 7.51 | 8 08.04 7.48 | 8 04.08 7.45 | 8 00.31 7.42 | 7 56.68 7.39 | 7 53.19 7.35 | 7 49.84 7.31 | 7 46.95 7.27 |
| 50.0 | | 8 24.36 7.46 | 8 19.84 7.44 | 8 15.48 7.41 | 8 11.49 7.38 | 8 07.69 7.35 | 8 04.03 7.32 | 8 00.51 7.28 | 7 57.12 7.25 | 7 54.19 7.20 |

| P | Depth of source [km] | | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 50.0 | | 8 24.36 7.46 | 8 19.84 7.44 | 8 15.48 7.41 | 8 11.49 7.38 | 8 07.69 7.35 | 8 04.03 7.32 | 8 00.51 7.28 | 7 57.12 7.25 | 7 54.19 7.20 |
| 51.0 | | 8 31.79 7.39 | 8 27.24 7.37 | 8 22.86 7.34 | 8 18.84 7.31 | 8 15.01 7.28 | 8 11.31 7.25 | 8 07.76 7.21 | 8 04.33 7.18 | 8 01.36 7.14 |
| 52.0 | | 8 39.15 7.32 | 8 34.58 7.30 | 8 30.17 7.27 | 8 26.12 7.24 | 8 22.25 7.21 | 8 18.53 7.18 | 8 14.93 7.14 | 8 11.47 7.11 | 8 08.46 7.07 |
| 53.0 | | 8 46.44 7.25 | 8 41.84 7.23 | 8 37.41 7.20 | 8 33.32 7.17 | 8 29.43 7.14 | 8 25.67 7.11 | 8 22.05 7.08 | 8 18.55 7.04 | 8 15.50 7.00 |
| 54.0 | | 8 53.65 7.18 | 8 49.03 7.16 | 8 44.57 7.13 | 8 40.46 7.10 | 8 36.54 7.07 | 8 32.75 7.04 | 8 29.09 7.01 | 8 25.56 6.98 | 8 22.47 6.94 |
| 55.0 | | 9 00.80 7.11 | 8 56.15 7.08 | 8 51.66 7.06 | 8 47.53 7.03 | 8 43.57 7.00 | 8 39.75 6.97 | 8 36.06 6.94 | 8 32.50 6.91 | 8 29.37 6.87 |
| 56.0 | | 9 07.87 7.04 | 9 03.20 7.01 | 8 58.69 6.99 | 8 54.52 6.96 | 8 50.54 6.93 | 8 46.69 6.90 | 8 42.97 6.87 | 8 39.37 6.84 | 8 36.21 6.80 |
| 57.0 | | 9 14.87 6.97 | 9 10.18 6.94 | 9 05.64 6.92 | 9 01.45 6.89 | 8 57.44 6.86 | 8 53.56 6.83 | 8 49.81 6.80 | 8 46.18 6.77 | 8 42.98 6.73 |
| 58.0 | | 9 21.80 6.90 | 9 17.09 6.87 | 9 12.53 6.85 | 9 08.31 6.82 | 9 04.27 6.79 | 9 00.36 6.76 | 8 56.57 6.73 | 8 52.92 6.70 | 8 49.68 6.67 |
| 59.0 | | 9 28.66 6.82 | 9 23.92 6.80 | 9 19.34 6.78 | 9 15.09 6.75 | 9 11.02 6.72 | 9 07.09 6.69 | 9 03.27 6.67 | 8 59.59 6.64 | 8 56.31 6.60 |
| 60.0 | | 9 35.45 6.75 | 9 30.69 6.73 | 9 26.08 6.71 | 9 21.81 6.68 | 9 17.71 6.65 | 9 13.75 6.63 | 9 09.91 6.60 | 9 06.19 6.57 | 9 02.88 6.54 |
| 61.0 | | 9 42.17 6.68 | 9 37.38 6.66 | 9 32.75 6.64 | 9 28.45 6.61 | 9 24.33 6.59 | 9 20.34 6.56 | 9 16.47 6.53 | 9 12.72 6.50 | 9 09.38 6.47 |
| 62.0 | | 9 48.81 6.61 | 9 44.01 6.59 | 9 39.35 6.57 | 9 35.03 6.54 | 9 30.88 6.52 | 9 26.86 6.49 | 9 22.97 6.46 | 9 19.19 6.43 | 9 15.82 6.40 |
| 63.0 | | 9 55.39 6.54 | 9 50.56 6.52 | 9 45.88 6.50 | 9 41.54 6.47 | 9 37.37 6.45 | 9 33.32 6.42 | 9 29.40 6.39 | 9 25.59 6.37 | 9 22.18 6.33 |
| 64.0 | | 10 01.89 6.47 | 9 57.05 6.45 | 9 52.35 6.43 | 9 47.98 6.40 | 9 43.78 6.38 | 9 39.71 6.35 | 9 35.76 6.33 | 9 31.92 6.30 | 9 28.48 6.27 |
| 65.0 | | 10 08.33 6.40 | 10 03.46 6.38 | 9 58.74 6.36 | 9 54.35 6.33 | 9 50.12 6.31 | 9 46.03 6.28 | 9 42.05 6.26 | 9 38.19 6.23 | 9 34.72 6.20 |
| 66.0 | | 10 14.69 6.33 | 10 09.80 6.31 | 10 05.06 6.29 | 10 00.64 6.26 | 9 56.40 6.24 | 9 52.27 6.21 | 9 48.27 6.19 | 9 44.38 6.16 | 9 40.88 6.13 |
| 67.0 | | 10 20.99 6.26 | 10 16.08 6.24 | 10 11.31 6.22 | 10 06.87 6.19 | 10 02.60 6.17 | 9 58.45 6.14 | 9 54.42 6.12 | 9 50.51 6.09 | 9 46.98 6.06 |
| 68.0 | | 10 27.21 6.19 | 10 22.28 6.17 | 10 17.49 6.15 | 10 13.03 6.12 | 10 08.74 6.10 | 10 04.56 6.08 | 10 00.51 6.05 | 9 56.57 6.02 | 9 53.01 6.00 |
| 69.0 | | 10 33.36 6.12 | 10 28.41 6.10 | 10 23.60 6.08 | 10 19.12 6.05 | 10 14.80 6.03 | 10 10.61 6.01 | 10 06.52 5.98 | 10 02.56 5.96 | 9 58.97 5.93 |
| 70.0 | | 10 39.44 6.04 | 10 34.47 6.03 | 10 29.65 6.01 | 10 25.14 5.98 | 10 20.80 5.96 | 10 16.58 5.94 | 10 12.47 5.91 | 10 08.48 5.89 | 10 04.86 5.86 |
| 71.0 | | 10 45.45 5.97 | 10 40.46 5.95 | 10 35.61 5.93 | 10 31.09 5.91 | 10 26.72 5.89 | 10 22.48 5.87 | 10 18.35 5.84 | 10 14.33 5.81 | 10 10.68 5.79 |
| 72.0 | | 10 51.39 5.90 | 10 46.38 5.88 | 10 41.51 5.86 | 10 36.96 5.84 | 10 32.58 5.82 | 10 28.31 5.79 | 10 24.15 5.77 | 10 20.11 5.74 | 10 16.43 5.72 |
| 73.0 | | 10 57.25 5.83 | 10 52.22 5.81 | 10 47.34 5.79 | 10 42.77 5.77 | 10 38.36 5.75 | 10 34.07 5.72 | 10 29.89 5.70 | 10 25.82 5.68 | 10 22.12 5.65 |
| 74.0 | | 11 03.04 5.75 | 10 58.00 5.74 | 10 53.09 5.72 | 10 48.50 5.70 | 10 44.07 5.68 | 10 39.75 5.65 | 10 35.55 5.63 | 10 31.46 5.61 | 10 27.73 5.58 |
| 75.0 | | 11 08.76 5.68 | 11 03.70 5.66 | 10 58.77 5.65 | 10 54.16 5.63 | 10 49.71 5.61 | 10 45.37 5.58 | 10 41.15 5.56 | 10 37.03 5.54 | 10 33.28 5.51 |

| P | Depth of source [km] | | | | | | | | | |
|-------|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | m | s | m | s | m | s | m | s | m | s |
| 75.0 | 11 08.76 | 11 03.70 | 10 58.77 | 10 54.16 | 10 49.71 | 10 45.37 | 10 41.15 | 10 37.03 | 10 33.28 | |
| | 5.68 | 5.66 | 5.65 | 5.63 | 5.61 | 5.58 | 5.56 | 5.54 | 5.51 | |
| 76.0 | 11 14.41 | 11 09.33 | 11 04.38 | 10 59.75 | 10 55.28 | 10 50.92 | 10 46.67 | 10 42.54 | 10 38.76 | |
| | 5.61 | 5.59 | 5.58 | 5.56 | 5.54 | 5.51 | 5.49 | 5.47 | 5.44 | |
| 77.0 | 11 19.98 | 11 14.88 | 11 09.92 | 11 05.27 | 11 00.78 | 10 56.40 | 10 52.13 | 10 47.97 | 10 44.17 | |
| | 5.54 | 5.52 | 5.51 | 5.49 | 5.47 | 5.44 | 5.42 | 5.40 | 5.37 | |
| 78.0 | 11 25.49 | 11 20.37 | 11 15.39 | 11 10.72 | 11 06.21 | 11 01.81 | 10 57.52 | 10 53.33 | 10 49.50 | |
| | 5.47 | 5.45 | 5.43 | 5.41 | 5.39 | 5.37 | 5.35 | 5.33 | 5.30 | |
| 79.0 | 11 30.92 | 11 25.79 | 11 20.79 | 11 16.10 | 11 11.57 | 11 07.14 | 11 02.83 | 10 58.62 | 10 54.77 | |
| | 5.40 | 5.38 | 5.36 | 5.34 | 5.32 | 5.30 | 5.28 | 5.25 | 5.23 | |
| 80.0 | 11 36.28 | 11 31.13 | 11 26.11 | 11 21.40 | 11 16.85 | 11 12.40 | 11 08.07 | 11 03.84 | 10 59.96 | |
| | 5.32 | 5.30 | 5.28 | 5.27 | 5.25 | 5.22 | 5.20 | 5.18 | 5.16 | |
| 81.0 | 11 41.56 | 11 36.39 | 11 31.36 | 11 26.63 | 11 22.06 | 11 17.59 | 11 13.24 | 11 08.98 | 11 05.08 | |
| | 5.24 | 5.23 | 5.21 | 5.19 | 5.17 | 5.15 | 5.13 | 5.11 | 5.08 | |
| 82.0 | 11 46.77 | 11 41.58 | 11 36.53 | 11 31.78 | 11 27.19 | 11 22.71 | 11 18.33 | 11 14.05 | 11 10.12 | |
| | 5.17 | 5.15 | 5.14 | 5.12 | 5.10 | 5.08 | 5.05 | 5.03 | 5.01 | |
| 83.0 | 11 51.90 | 11 46.70 | 11 41.63 | 11 36.86 | 11 32.25 | 11 27.74 | 11 23.34 | 11 19.05 | 11 15.10 | |
| | 5.09 | 5.08 | 5.06 | 5.04 | 5.02 | 5.00 | 4.98 | 4.96 | 4.94 | |
| 84.0 | 11 56.96 | 11 51.74 | 11 46.65 | 11 41.86 | 11 37.23 | 11 32.71 | 11 28.29 | 11 23.97 | 11 20.00 | |
| | 5.01 | 5.00 | 4.98 | 4.96 | 4.95 | 4.93 | 4.91 | 4.89 | 4.87 | |
| 85.0 | 12 01.93 | 11 56.70 | 11 51.60 | 11 46.79 | 11 42.14 | 11 37.60 | 11 33.16 | 11 28.82 | 11 24.81 | |
| | 4.94 | 4.93 | 4.91 | 4.90 | 4.88 | 4.85 | 4.82 | 4.78 | 4.75 | |
| 86.0 | 12 06.84 | 12 01.59 | 11 56.47 | 11 51.64 | 11 46.97 | 11 42.39 | 11 37.92 | 11 33.56 | 11 29.53 | |
| | 4.87 | 4.85 | 4.82 | 4.79 | 4.76 | 4.74 | 4.72 | 4.71 | 4.70 | |
| 87.0 | 12 11.65 | 12 06.37 | 12 01.23 | 11 56.39 | 11 51.69 | 11 47.11 | 11 42.63 | 11 38.25 | 11 34.22 | |
| | 4.75 | 4.73 | 4.72 | 4.71 | 4.70 | 4.70 | 4.69 | 4.68 | 4.67 | |
| 88.0 | 12 16.37 | 12 11.09 | 12 05.93 | 12 01.08 | 11 56.38 | 11 51.79 | 11 47.30 | 11 42.92 | 11 38.88 | |
| | 4.70 | 4.69 | 4.69 | 4.68 | 4.67 | 4.67 | 4.66 | 4.65 | 4.65 | |
| 89.0 | 12 21.05 | 12 15.76 | 12 10.61 | 12 05.75 | 12 01.04 | 11 56.44 | 11 51.95 | 11 47.56 | 11 43.51 | |
| | 4.67 | 4.66 | 4.66 | 4.65 | 4.65 | 4.64 | 4.64 | 4.63 | 4.63 | |
| 90.0 | 12 25.71 | 12 20.41 | 12 15.25 | 12 10.39 | 12 05.68 | 12 01.08 | 11 56.58 | 11 52.19 | 11 48.13 | |
| | 4.64 | 4.64 | 4.64 | 4.63 | 4.63 | 4.62 | 4.62 | 4.62 | 4.61 | |
| 91.0 | 12 30.35 | 12 25.05 | 12 19.88 | 12 15.01 | 12 10.30 | 12 05.69 | 12 01.19 | 11 56.80 | 11 52.74 | |
| | 4.63 | 4.62 | 4.62 | 4.62 | 4.61 | 4.61 | 4.61 | 4.60 | 4.60 | |
| 92.0 | 12 34.96 | 12 29.66 | 12 24.49 | 12 19.62 | 12 14.90 | 12 10.30 | 12 05.79 | 12 01.39 | 11 57.33 | |
| | 4.61 | 4.61 | 4.61 | 4.60 | 4.60 | 4.60 | 4.59 | 4.59 | 4.58 | |
| 93.0 | 12 39.57 | 12 34.26 | 12 29.09 | 12 24.22 | 12 19.49 | 12 14.88 | 12 10.37 | 12 05.96 | 12 01.89 | |
| | 4.60 | 4.59 | 4.59 | 4.58 | 4.58 | 4.57 | 4.57 | 4.56 | 4.55 | |
| 94.0 | 12 44.15 | 12 38.84 | 12 33.67 | 12 28.79 | 12 24.06 | 12 19.44 | 12 14.93 | 12 10.51 | 12 06.44 | |
| | 4.58 | 4.57 | 4.57 | 4.56 | 4.55 | 4.55 | 4.54 | 4.54 | 4.53 | |
| 95.0 | 12 48.72 | 12 43.40 | 12 38.22 | 12 33.34 | 12 28.60 | 12 23.98 | 12 19.46 | 12 15.04 | 12 10.95 | |
| | 4.55 | 4.55 | 4.54 | 4.54 | 4.53 | 4.52 | 4.52 | 4.51 | 4.50 | |
| 96.0 | 12 53.26 | 12 47.94 | 12 42.75 | 12 37.86 | 12 33.12 | 12 28.49 | 12 23.96 | 12 19.53 | 12 15.44 | |
| | 4.53 | 4.52 | 4.51 | 4.51 | 4.50 | 4.50 | 4.49 | 4.48 | 4.47 | |
| 97.0 | 12 57.77 | 12 52.44 | 12 47.25 | 12 42.35 | 12 37.61 | 12 32.97 | 12 28.43 | 12 24.00 | 12 19.90 | |
| | 4.50 | 4.49 | 4.49 | 4.48 | 4.47 | 4.47 | 4.46 | 4.45 | 4.45 | |
| 98.0 | 13 02.25 | 12 56.92 | 12 51.72 | 12 46.82 | 12 42.07 | 12 37.42 | 12 32.88 | 12 28.44 | 12 24.34 | |
| | 4.47 | 4.46 | 4.46 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | |
| 99.0 | 13 06.70 | 13 01.37 | 12 56.17 | 12 51.26 | 12 46.51 | 12 41.87 | 12 37.33 | 12 32.89 | 12 28.79 | |
| | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | |
| 100.0 | 13 11.15 | 13 05.81 | 13 00.61 | 12 55.71 | 12 50.96 | 12 46.31 | 12 41.77 | 12 37.33 | 12 33.23 | |
| | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | |

| P | Depth of source [km] | | | | | | | | | |
|-------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 100.0 | 13 11.15 4.45 | 13 05.81 4.45 | 13 00.61 4.45 | 12 55.71 4.45 | 12 50.96 4.45 | 12 46.31 4.45 | 12 41.77 4.45 | 12 37.33 4.45 | 12 33.23 4.45 | |
| 101.0 | 13 15.59 4.45 | 13 10.26 4.45 | 13 05.06 4.45 | 13 00.15 4.45 | 12 55.40 4.45 | 12 50.76 4.45 | 12 46.22 4.45 | 12 41.78 4.45 | 12 37.68 4.45 | |
| 102.0 | 13 20.04 4.45 | 13 14.71 4.45 | 13 09.51 4.45 | 13 04.60 4.45 | 12 59.85 4.45 | 12 55.20 4.45 | 12 50.66 4.45 | 12 46.23 4.45 | 12 42.13 4.45 | |
| 103.0 | 13 24.48 4.45 | 13 19.15 4.45 | 13 13.95 4.45 | 13 09.05 4.45 | 13 04.29 4.45 | 12 59.65 4.45 | 12 55.11 4.45 | 12 50.67 4.45 | 12 46.57 4.45 | |
| 104.0 | 13 28.93 4.45 | 13 23.60 4.45 | 13 18.40 4.45 | 13 13.49 4.45 | 13 08.74 4.45 | 13 04.09 4.45 | 12 59.55 4.45 | 12 55.12 4.45 | 12 51.02 4.45 | |
| 105.0 | 13 33.38 4.45 | 13 28.04 4.45 | 13 22.84 4.45 | 13 17.94 4.45 | 13 13.18 4.45 | 13 08.54 4.45 | 13 04.00 4.45 | 12 59.56 4.45 | 12 55.46 4.45 | |
| 106.0 | 13 37.82 4.45 | 13 32.49 4.45 | 13 27.29 4.45 | 13 22.38 4.45 | 13 17.63 4.45 | 13 12.99 4.45 | 13 08.45 4.45 | 13 04.01 4.45 | 12 59.91 4.45 | |
| 107.0 | 13 42.27 4.45 | 13 36.93 4.45 | 13 31.73 4.45 | 13 26.83 4.45 | 13 22.08 4.45 | 13 17.43 4.45 | 13 12.89 4.45 | 13 08.45 4.45 | 13 04.35 4.45 | |
| 108.0 | 13 46.71 4.45 | 13 41.38 4.45 | 13 36.18 4.45 | 13 31.27 4.45 | 13 26.52 4.45 | 13 21.88 4.45 | 13 17.34 4.45 | 13 12.90 4.45 | 13 08.80 4.45 | |
| 109.0 | 13 51.16 4.45 | 13 45.83 4.45 | 13 40.63 4.45 | 13 35.72 4.45 | 13 30.97 4.45 | 13 26.32 4.45 | 13 21.78 4.45 | 13 17.35 4.45 | 13 13.25 4.45 | |
| 110.0 | 13 55.60 4.45 | 13 50.27 4.45 | 13 45.07 4.45 | 13 40.17 4.45 | 13 35.41 4.45 | 13 30.77 4.45 | 13 26.23 4.45 | 13 21.79 4.45 | 13 17.69 4.45 | |
| 111.0 | 14 00.05 4.45 | 13 54.72 4.45 | 13 49.52 4.45 | 13 44.61 4.45 | 13 39.86 4.45 | 13 35.21 4.45 | 13 30.67 4.45 | 13 26.24 4.45 | 13 22.14 4.45 | |
| 112.0 | 14 04.50 4.45 | 13 59.16 4.45 | 13 53.96 4.45 | 13 49.06 4.45 | 13 44.30 4.45 | 13 39.66 4.45 | 13 35.12 4.45 | 13 30.68 4.45 | 13 26.58 4.45 | |
| 113.0 | 14 08.94 4.45 | 14 03.61 4.45 | 13 58.41 4.45 | 13 53.50 4.45 | 13 48.75 4.45 | 13 44.11 4.45 | 13 39.57 4.45 | 13 35.13 4.45 | 13 31.03 4.45 | |
| 114.0 | 14 13.39 4.45 | 14 08.05 4.45 | 14 02.85 4.45 | 13 57.95 4.45 | 13 53.20 4.45 | 13 48.55 4.45 | 13 44.01 4.45 | 13 39.57 4.45 | 13 35.47 4.45 | |
| 115.0 | 14 17.83 4.45 | 14 12.50 4.45 | 14 07.30 4.45 | 14 02.39 4.45 | 13 57.64 4.45 | 13 53.00 4.45 | 13 48.46 4.45 | 13 44.02 4.45 | 13 39.92 4.45 | |
| 116.0 | 14 22.28 4.45 | 14 16.94 4.45 | 14 11.75 4.45 | 14 06.84 4.45 | 14 02.09 4.45 | 13 57.44 4.45 | 13 52.90 4.45 | 13 48.47 4.45 | 13 44.36 4.45 | |
| 117.0 | 14 26.72 4.45 | 14 21.39 4.45 | 14 16.19 4.45 | 14 11.29 4.45 | 14 06.53 4.45 | 14 01.89 4.45 | 13 57.35 4.45 | 13 52.91 4.45 | 13 48.81 4.45 | |
| 118.0 | 14 31.17 4.45 | 14 25.84 4.45 | 14 20.64 4.45 | 14 15.73 4.45 | 14 10.98 4.45 | 14 06.33 4.45 | 14 01.79 4.45 | 13 57.36 4.45 | 13 53.26 4.45 | |
| 119.0 | 14 35.62 4.45 | 14 30.28 4.45 | 14 25.08 4.45 | 14 20.18 4.45 | 14 15.42 4.45 | 14 10.78 4.45 | 14 06.24 4.45 | 14 01.80 4.45 | 13 57.70 4.45 | |
| 120.0 | 14 40.06 4.45 | 14 34.73 4.45 | 14 29.53 4.45 | 14 24.62 4.45 | 14 19.87 4.45 | 14 15.22 4.45 | 14 10.68 4.45 | 14 06.25 4.45 | 14 02.15 4.45 | |
| 121.0 | 14 44.51 4.45 | 14 39.17 4.45 | 14 33.97 4.45 | 14 29.07 4.45 | 14 24.32 4.45 | 14 19.67 4.45 | 14 15.13 4.45 | 14 10.69 4.45 | 14 06.59 4.45 | |
| 122.0 | 14 48.95 4.45 | 14 43.62 4.45 | 14 38.42 4.45 | 14 33.51 4.45 | 14 28.76 4.45 | 14 24.12 4.45 | 14 19.58 4.45 | 14 15.14 4.45 | 14 11.04 4.45 | |
| 123.0 | 14 53.40 4.45 | 14 48.06 4.45 | 14 42.86 4.45 | 14 37.96 4.45 | 14 33.21 4.45 | 14 28.56 4.45 | 14 24.02 4.45 | 14 19.59 4.45 | 14 15.48 4.45 | |
| 124.0 | 14 57.84 4.45 | 14 52.51 4.45 | 14 47.31 4.45 | 14 42.41 4.45 | 14 37.65 4.45 | 14 33.01 4.45 | 14 28.47 4.45 | 14 24.03 4.45 | 14 19.93 4.45 | |
| 125.0 | 15 02.29 4.45 | 14 56.96 4.45 | 14 51.76 4.45 | 14 46.85 4.45 | 14 42.10 4.45 | 14 37.45 4.45 | 14 32.91 4.45 | 14 28.48 4.45 | 14 24.38 4.45 | |

| S | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | | 0 00.00 32.14 | 0 04.34 0.01 | 0 09.68 0.01 | 0 13.02 0.00 | 0 24.16 0.00 | 0 35.27 0.00 | 0 46.35 0.00 | 0 57.34 0.00 |
| 1.0 | | 0 32.14 32.14 | 0 31.98 28.79 | 0 30.38 24.68 | 0 30.74 24.02 | 0 35.74 19.20 | 0 43.61 15.03 | 0 52.78 12.04 | 1 02.52 9.91 |
| 2.0 | | 1 00.75 24.68 | 0 57.98 24.68 | 0 55.06 24.68 | 0 55.14 24.55 | 0 57.38 23.05 | 1 02.05 20.76 | 1 08.43 18.40 | 1 15.89 16.22 |
| 3.0 | | 1 25.43 24.68 | 1 22.66 24.68 | 1 19.73 24.67 | 1 19.72 24.60 | 1 20.94 23.89 | 1 23.92 22.66 | 1 28.39 21.15 | 1 33.95 19.51 |
| 4.0 | | 1 50.10 24.67 | 1 47.33 24.67 | 1 44.40 24.66 | 1 44.33 24.61 | 1 44.99 24.17 | 1 47.00 23.40 | 1 50.24 22.40 | 1 54.40 21.21 |
| 5.0 | | 2 14.76 24.66 | 2 11.99 24.65 | 2 09.06 24.65 | 2 08.93 24.60 | 2 09.22 24.28 | 2 10.59 23.74 | 2 12.98 23.03 | 2 16.12 22.14 |
| 6.0 | | 2 39.41 24.64 | 2 36.63 24.64 | 2 33.70 24.63 | 2 33.52 24.59 | 2 33.53 24.33 | 2 34.43 23.92 | 2 36.20 23.38 | 2 38.54 22.67 |
| 7.0 | | 3 04.04 24.62 | 3 01.26 24.62 | 2 58.32 24.61 | 2 58.10 24.57 | 2 57.87 24.35 | 2 58.40 24.01 | 2 59.69 23.58 | 3 01.38 22.98 |
| 8.0 | | 3 28.65 24.60 | 3 25.87 24.60 | 3 22.92 24.59 | 3 22.66 24.55 | 3 22.21 24.35 | 3 22.44 24.06 | 3 23.34 23.70 | 3 24.45 23.16 |
| 9.0 | | 3 53.24 24.57 | 3 50.45 24.57 | 3 47.50 24.56 | 3 47.19 24.52 | 3 46.56 24.34 | 3 46.52 24.09 | 3 47.08 23.78 | 3 47.67 23.25 |
| 10.0 | | 4 17.80 24.55 | 4 15.01 24.54 | 4 12.05 24.53 | 4 11.70 24.49 | 4 10.88 24.32 | 4 10.61 24.10 | 4 10.89 23.82 | 4 10.93 23.26 |
| 11.0 | | 4 42.33 24.51 | 4 39.53 24.51 | 4 36.56 24.50 | 4 36.17 24.46 | 4 35.19 24.29 | 4 34.71 24.09 | 4 34.72 23.84 | 4 34.16 23.19 |
| 12.0 | | 5 06.83 24.48 | 5 04.02 24.47 | 5 01.04 24.46 | 5 00.61 24.42 | 4 59.47 24.26 | 4 58.79 24.08 | 4 58.57 23.85 | 4 57.30 23.06 |
| 13.0 | | 5 31.29 24.44 | 5 28.47 24.43 | 5 25.48 24.42 | 5 25.01 24.38 | 5 23.72 24.23 | 5 22.86 24.06 | 5 22.36 23.47 | 5 20.27 22.88 |
| 14.0 | | 5 55.70 24.40 | 5 52.89 24.39 | 5 49.88 24.38 | 5 49.37 24.34 | 5 47.93 24.20 | 5 46.90 24.03 | 5 45.66 23.15 | 5 43.04 22.66 |
| 15.0 | | 6 20.08 24.35 | 6 17.25 24.34 | 6 14.24 24.33 | 6 13.69 24.29 | 6 12.11 24.16 | 6 10.91 23.99 | 6 08.66 22.85 | 6 05.58 22.41 |
| 16.0 | | 6 44.41 24.30 | 6 41.57 24.30 | 6 38.55 24.28 | 6 37.96 24.25 | 6 36.25 24.12 | 6 34.82 23.04 | 6 31.36 22.55 | 6 25.83 20.13 |
| 17.0 | | 7 08.69 24.26 | 7 05.85 24.25 | 7 02.81 24.23 | 7 02.18 24.20 | 7 00.34 24.07 | 6 57.66 22.65 | 6 51.68 20.09 | 6 45.87 19.95 |
| 18.0 | | 7 32.92 24.21 | 7 30.07 24.20 | 7 27.02 24.19 | 7 26.36 24.15 | 7 24.01 20.15 | 7 17.81 20.04 | 7 11.68 19.90 | 7 05.73 19.74 |
| 19.0 | | 7 57.10 24.16 | 7 54.24 24.15 | 7 51.17 24.13 | 7 50.47 20.10 | 7 44.07 19.97 | 7 37.75 19.83 | 7 31.47 19.68 | 7 25.35 19.50 |
| 20.0 | | 8 19.77 20.00 | 8 16.38 19.97 | 8 12.44 19.94 | 8 10.47 19.90 | 8 03.94 19.75 | 7 57.46 19.59 | 7 51.02 19.42 | 7 44.72 19.23 |
| 21.0 | | 8 39.66 19.77 | 8 36.24 19.74 | 8 32.27 19.70 | 8 30.25 19.65 | 8 23.57 19.49 | 8 16.92 19.32 | 8 09.91 16.38 | 8 01.99 16.32 |
| 22.0 | | 8 59.30 19.50 | 8 55.85 19.47 | 8 51.83 19.42 | 8 49.77 19.37 | 8 42.56 16.36 | 8 34.36 16.31 | 8 26.22 16.25 | 8 18.25 16.19 |
| 23.0 | | 9 17.88 16.33 | 9 14.15 16.32 | 9 09.70 16.30 | 9 07.19 16.28 | 8 58.86 16.23 | 8 50.60 16.18 | 8 42.41 16.12 | 8 34.37 16.03 |
| 24.0 | | 9 34.14 16.19 | 9 30.40 16.18 | 9 25.93 16.17 | 9 23.40 16.15 | 9 15.02 16.09 | 9 06.70 15.99 | 8 58.41 15.84 | 8 50.26 15.82 |
| 25.0 | | 9 50.26 16.02 | 9 46.50 16.00 | 9 42.01 15.96 | 9 39.46 15.89 | 9 30.97 15.83 | 9 22.56 15.81 | 9 14.22 15.79 | 9 06.06 15.78 |

| S | Depth of source [km] | | | | | | | | |
|-------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 9 50.26 16.02 | 9 46.50 16.00 | 9 42.01 15.96 | 9 39.46 15.89 | 9 30.97 15.83 | 9 22.56 15.81 | 9 14.22 15.79 | 9 06.06 15.78 |
| 26.0 | | 10 06.14 15.81 | 10 02.37 15.81 | 9 57.85 15.80 | 9 55.29 15.80 | 9 46.78 15.79 | 9 38.35 15.77 | 9 30.00 15.76 | 9 21.82 15.75 |
| 27.0 | | 10 21.93 15.78 | 10 18.16 15.77 | 10 13.64 15.77 | 10 11.07 15.77 | 10 02.55 15.76 | 9 54.11 15.75 | 9 45.75 15.74 | 9 37.56 15.73 |
| 28.0 | | 10 37.69 15.75 | 10 33.92 15.75 | 10 29.40 15.74 | 10 26.82 15.74 | 10 18.29 15.73 | 10 09.84 15.72 | 10 01.47 15.71 | 9 53.27 15.70 |
| 29.0 | | 10 53.43 15.72 | 10 49.65 15.72 | 10 45.13 15.72 | 10 42.55 15.71 | 10 34.01 15.70 | 10 25.55 15.69 | 10 17.17 15.68 | 10 08.95 15.66 |
| 30.0 | | 11 09.14 15.69 | 11 05.36 15.69 | 11 00.83 15.69 | 10 58.25 15.68 | 10 49.70 15.67 | 10 41.22 15.65 | 10 32.82 15.63 | 10 24.59 15.61 |
| 31.0 | | 11 24.81 15.66 | 11 21.03 15.65 | 11 16.50 15.65 | 11 13.91 15.64 | 11 05.34 15.62 | 10 56.85 15.60 | 10 48.43 15.58 | 10 40.18 15.55 |
| 32.0 | | 11 40.45 15.61 | 11 36.66 15.60 | 11 32.12 15.60 | 11 29.53 15.59 | 11 20.94 15.57 | 11 12.42 15.54 | 11 03.98 15.51 | 10 55.70 15.48 |
| 33.0 | | 11 56.02 15.54 | 11 52.23 15.54 | 11 47.69 15.53 | 11 45.09 15.52 | 11 36.47 15.50 | 11 27.93 15.47 | 11 19.46 15.44 | 11 11.14 15.41 |
| 34.0 | | 12 11.53 15.47 | 12 07.73 15.47 | 12 03.18 15.46 | 12 00.58 15.45 | 11 51.93 15.42 | 11 43.36 15.39 | 11 34.86 15.36 | 11 26.52 15.33 |
| 35.0 | | 12 26.97 15.40 | 12 23.16 15.39 | 12 18.60 15.38 | 12 15.99 15.37 | 12 07.32 15.35 | 11 58.72 15.32 | 11 50.18 15.29 | 11 41.81 15.25 |
| 36.0 | | 12 42.32 15.32 | 12 38.51 15.31 | 12 33.95 15.30 | 12 31.32 15.30 | 12 22.62 15.27 | 12 13.99 15.24 | 12 05.43 15.20 | 11 57.02 15.17 |
| 37.0 | | 12 57.60 15.24 | 12 53.79 15.23 | 12 49.21 15.22 | 12 46.58 15.21 | 12 37.85 15.18 | 12 29.19 15.15 | 12 20.59 15.12 | 12 12.15 15.09 |
| 38.0 | | 13 12.80 15.15 | 13 08.98 15.15 | 13 04.39 15.14 | 13 01.75 15.13 | 12 52.99 15.10 | 12 44.30 15.06 | 12 35.67 15.03 | 12 27.19 15.00 |
| 39.0 | | 13 27.91 15.07 | 13 24.08 15.06 | 13 19.48 15.05 | 13 16.83 15.04 | 13 08.04 15.01 | 12 59.32 14.97 | 12 50.65 14.94 | 12 42.14 14.91 |
| 40.0 | | 13 42.93 14.97 | 13 39.09 14.97 | 13 34.49 14.96 | 13 31.83 14.95 | 13 23.00 14.92 | 13 14.24 14.88 | 13 05.55 14.85 | 12 57.00 14.81 |
| 41.0 | | 13 57.86 14.88 | 13 54.01 14.87 | 13 49.40 14.86 | 13 46.73 14.85 | 13 37.87 14.82 | 13 29.08 14.79 | 13 20.35 14.75 | 13 11.77 14.72 |
| 42.0 | | 14 12.69 14.78 | 14 08.84 14.78 | 14 04.21 14.77 | 14 01.53 14.76 | 13 52.64 14.72 | 13 43.82 14.69 | 13 35.05 14.66 | 13 26.44 14.62 |
| 43.0 | | 14 27.42 14.69 | 14 23.57 14.68 | 14 18.93 14.67 | 14 16.24 14.66 | 14 07.32 14.63 | 13 58.46 14.59 | 13 49.66 14.56 | 13 41.01 14.52 |
| 44.0 | | 14 42.06 14.59 | 14 38.20 14.58 | 14 33.56 14.57 | 14 30.86 14.56 | 14 21.90 14.53 | 14 13.00 14.49 | 14 04.17 14.46 | 13 55.48 14.42 |
| 45.0 | | 14 56.60 14.49 | 14 52.73 14.48 | 14 48.08 14.47 | 14 45.37 14.46 | 14 36.38 14.43 | 14 27.45 14.39 | 14 18.58 14.36 | 14 09.85 14.32 |
| 46.0 | | 15 11.04 14.39 | 15 07.16 14.38 | 15 02.50 14.37 | 14 59.78 14.36 | 14 50.75 14.32 | 14 41.79 14.29 | 14 32.88 14.25 | 14 24.12 14.22 |
| 47.0 | | 15 25.37 14.28 | 15 21.49 14.27 | 15 16.81 14.26 | 15 14.08 14.25 | 15 05.02 14.22 | 14 56.02 14.18 | 14 47.08 14.15 | 14 38.28 14.11 |
| 48.0 | | 15 39.60 14.17 | 15 35.71 14.17 | 15 31.02 14.16 | 15 28.28 14.15 | 15 19.19 14.11 | 15 10.15 14.08 | 15 01.18 14.04 | 14 52.34 14.00 |
| 49.0 | | 15 53.72 14.07 | 15 49.82 14.06 | 15 45.13 14.05 | 15 42.38 14.04 | 15 33.25 14.00 | 15 24.18 13.97 | 15 15.17 13.93 | 15 06.29 13.90 |
| 50.0 | | 16 07.73 13.96 | 16 03.83 13.95 | 15 59.12 13.94 | 15 56.36 13.93 | 15 47.20 13.90 | 15 38.09 13.86 | 15 29.05 13.83 | 15 20.14 13.79 |

| S | Depth of source [km] | | | | | | | | | | | | | | | | |
|------|----------------------|----|----------------|-----|----------------|-----|----------------|-----|----------------|------|----------------|------|----------------|------|----------------|------|----------------|
| | Δ | 0. | | 15. | | 35. | | 50. | | 100. | | 150. | | 200. | | 250. | |
| | | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 50.0 | | 16 | 07.73 13.96 | 16 | 03.83 13.95 | 15 | 59.12 13.94 | 15 | 56.36 13.93 | 15 | 47.20 13.90 | 15 | 38.09 13.86 | 15 | 29.05 13.83 | 15 | 20.14 13.79 |
| 51.0 | | 16 | 21.64 13.85 | 16 | 17.73 13.84 | 16 | 13.01 13.83 | 16 | 10.24 13.82 | 16 | 01.04 13.79 | 15 | 51.90 13.75 | 15 | 42.82 13.72 | 15 | 33.87 13.68 |
| 52.0 | | 16 | 35.43 13.74 | 16 | 31.52 13.73 | 16 | 26.79 13.72 | 16 | 24.01 13.71 | 16 | 14.77 13.68 | 16 | 05.60 13.65 | 15 | 56.48 13.61 | 15 | 47.50 13.58 |
| 53.0 | | 16 | 49.12 13.63 | 16 | 45.19 13.62 | 16 | 40.45 13.61 | 16 | 37.66 13.61 | 16 | 28.40 13.57 | 16 | 19.19 13.54 | 16 | 10.04 13.51 | 16 | 01.03 13.48 |
| 54.0 | | 17 | 02.70 13.53 | 16 | 58.77 13.52 | 16 | 54.02 13.51 | 16 | 51.22 13.50 | 16 | 41.92 13.47 | 16 | 32.68 13.44 | 16 | 23.50 13.40 | 16 | 14.45 13.37 |
| 55.0 | | 17 | 16.17 13.42 | 17 | 12.23 13.41 | 17 | 07.47 13.40 | 17 | 04.67 13.39 | 16 | 55.34 13.36 | 16 | 46.07 13.33 | 16 | 36.85 13.29 | 16 | 27.77 13.26 |
| 56.0 | | 17 | 29.54 13.31 | 17 | 25.59 13.30 | 17 | 20.82 13.29 | 17 | 18.00 13.28 | 17 | 08.65 13.25 | 16 | 59.34 13.22 | 16 | 50.09 13.18 | 16 | 40.97 13.15 |
| 57.0 | | 17 | 42.79 13.20 | 17 | 38.84 13.19 | 17 | 34.06 13.18 | 17 | 31.23 13.17 | 17 | 21.84 13.14 | 17 | 12.50 13.11 | 17 | 03.22 13.07 | 16 | 54.07 13.04 |
| 58.0 | | 17 | 55.94 13.09 | 17 | 51.98 13.08 | 17 | 47.19 13.07 | 17 | 44.35 13.06 | 17 | 34.93 13.03 | 17 | 25.56 13.00 | 17 | 16.24 12.96 | 17 | 07.05 12.93 |
| 59.0 | | 18 | 08.97 12.98 | 18 | 05.00 12.97 | 18 | 00.20 12.96 | 17 | 57.35 12.95 | 17 | 47.90 12.92 | 17 | 38.50 12.89 | 17 | 29.15 12.86 | 17 | 19.93 12.82 |
| 60.0 | | 18 | 21.89 12.87 | 18 | 17.91 12.86 | 18 | 13.11 12.85 | 18 | 10.25 12.84 | 18 | 00.76 12.81 | 17 | 51.33 12.78 | 17 | 41.95 12.74 | 17 | 32.69 12.71 |
| 61.0 | | 18 | 34.70 12.75 | 18 | 30.72 12.75 | 18 | 25.90 12.74 | 18 | 23.03 12.73 | 18 | 13.52 12.70 | 18 | 04.05 12.67 | 17 | 54.64 12.63 | 17 | 45.35 12.60 |
| 62.0 | | 18 | 47.39 12.64 | 18 | 43.41 12.63 | 18 | 38.58 12.62 | 18 | 35.71 12.62 | 18 | 26.16 12.58 | 18 | 16.66 12.55 | 18 | 07.21 12.52 | 17 | 57.89 12.49 |
| 63.0 | | 18 | 59.98 12.53 | 18 | 55.99 12.52 | 18 | 51.15 12.51 | 18 | 48.26 12.50 | 18 | 38.68 12.47 | 18 | 29.16 12.44 | 18 | 19.68 12.41 | 18 | 10.33 12.38 |
| 64.0 | | 19 | 12.45 12.41 | 19 | 08.45 12.41 | 19 | 03.60 12.40 | 19 | 00.71 12.39 | 18 | 51.10 12.36 | 18 | 41.54 12.33 | 18 | 32.03 12.30 | 18 | 22.65 12.27 |
| 65.0 | | 19 | 24.80 12.30 | 19 | 20.80 12.29 | 19 | 15.94 12.28 | 19 | 13.04 12.28 | 19 | 03.40 12.25 | 18 | 53.81 12.22 | 18 | 44.27 12.19 | 18 | 34.86 12.15 |
| 66.0 | | 19 | 37.05 12.19 | 19 | 33.04 12.18 | 19 | 28.17 12.17 | 19 | 25.26 12.16 | 19 | 15.59 12.13 | 19 | 05.97 12.10 | 18 | 56.40 12.07 | 18 | 46.95 12.04 |
| 67.0 | | 19 | 49.18 12.07 | 19 | 45.16 12.07 | 19 | 40.28 12.06 | 19 | 37.36 12.05 | 19 | 27.67 12.02 | 19 | 18.02 11.99 | 19 | 08.42 11.96 | 18 | 58.94 11.93 |
| 68.0 | | 20 | 01.19 11.96 | 19 | 57.17 11.95 | 19 | 52.29 11.94 | 19 | 49.36 11.94 | 19 | 39.63 11.91 | 19 | 29.95 11.88 | 19 | 20.32 11.85 | 19 | 10.81 11.82 |
| 69.0 | | 20 | 13.09 11.84 | 20 | 09.07 11.84 | 20 | 04.17 11.83 | 20 | 01.23 11.82 | 19 | 51.48 11.79 | 19 | 41.77 11.76 | 19 | 32.11 11.73 | 19 | 22.57 11.70 |
| 70.0 | | 20 | 24.88 11.73 | 20 | 20.85 11.72 | 20 | 15.94 11.71 | 20 | 13.00 11.71 | 20 | 03.21 11.68 | 19 | 53.48 11.65 | 19 | 43.79 11.62 | 19 | 34.22 11.59 |
| 71.0 | | 20 | 36.55 11.61 | 20 | 32.51 11.61 | 20 | 27.60 11.60 | 20 | 24.65 11.59 | 20 | 14.83 11.56 | 20 | 05.07 11.53 | 19 | 55.35 11.50 | 19 | 45.75 11.47 |
| 72.0 | | 20 | 48.11 11.50 | 20 | 44.06 11.49 | 20 | 39.14 11.48 | 20 | 36.18 11.47 | 20 | 26.34 11.45 | 20 | 16.54 11.42 | 20 | 06.80 11.39 | 19 | 57.17 11.36 |
| 73.0 | | 20 | 59.55 11.38 | 20 | 55.49 11.37 | 20 | 50.57 11.36 | 20 | 47.59 11.36 | 20 | 37.73 11.33 | 20 | 27.90 11.30 | 20 | 18.12 11.27 | 20 | 08.46 11.24 |
| 74.0 | | 21 | 10.87 11.26 | 21 | 06.81 11.25 | 21 | 01.87 11.24 | 20 | 58.89 11.24 | 20 | 48.99 11.21 | 20 | 39.14 11.18 | 20 | 29.33 11.15 | 20 | 19.64 11.12 |
| 75.0 | | 21 | 22.07 11.14 | 21 | 18.00 11.13 | 21 | 13.05 11.13 | 21 | 10.07 11.12 | 21 | 00.14 11.09 | 20 | 50.26 11.06 | 20 | 40.42 11.03 | 20 | 30.71 11.01 |

| S | Depth of source [km] | | | | | | | | |
|--------------|----------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 75.0 | 21 | 22.07 11.14 | 21 18.00 11.13 | 21 13.05 11.13 | 21 10.07 11.12 | 21 00.14 11.09 | 20 50.26 11.06 | 20 40.42 11.03 | 20 30.71 11.01 |
| 76.0 | 21 | 33.15 11.02 | 21 29.08 11.02 | 21 24.12 11.01 | 21 21.12 11.00 | 21 11.17 10.97 | 21 01.27 10.95 | 20 51.40 10.92 | 20 41.66 10.89 |
| 77.0 | 21 | 44.11 10.90 | 21 40.03 10.90 | 21 35.07 10.89 | 21 32.07 10.88 | 21 22.09 10.85 | 21 12.15 10.83 | 21 02.26 10.80 | 20 52.49 10.77 |
| 78.0 | 21 | 54.95 10.78 | 21 50.87 10.78 | 21 45.90 10.77 | 21 42.89 10.76 | 21 32.88 10.73 | 21 22.92 10.71 | 21 13.00 10.68 | 21 03.20 10.65 |
| 79.0 | 22 | 05.68 10.66 | 22 01.59 10.66 | 21 56.61 10.65 | 21 53.59 10.64 | 21 43.55 10.62 | 21 33.57 10.59 | 21 23.62 10.56 | 21 13.79 10.54 |
| 80.0 | 22 | 16.28 10.55 | 22 12.19 10.54 | 22 07.20 10.53 | 22 04.17 10.52 | 21 54.11 10.50 | 21 44.10 10.47 | 21 34.12 10.45 | 21 24.27 10.42 |
| 81.0 | 22 | 26.77 10.43 | 22 22.67 10.42 | 22 17.67 10.41 | 22 14.63 10.40 | 22 04.55 10.38 | 21 54.51 10.35 | 21 44.51 10.32 | 21 34.62 10.29 |
| 82.0 | 22 | 37.13 10.30 | 22 33.02 10.29 | 22 28.02 10.28 | 22 24.97 10.27 | 22 14.86 10.25 | 22 04.79 10.22 | 21 54.76 10.19 | 21 44.85 10.17 |
| 83.0 | 22 | 47.36 10.17 | 22 43.25 10.16 | 22 38.23 10.16 | 22 35.19 10.15 | 22 25.05 10.12 | 22 14.95 10.10 | 22 04.90 10.07 | 21 54.96 10.04 |
| 84.0 | 22 | 57.47 10.05 | 22 53.35 10.04 | 22 48.33 10.03 | 22 45.27 10.03 | 22 35.11 10.00 | 22 24.99 9.97 | 22 14.91 9.95 | 22 04.94 9.92 |
| 85.0 | 23 | 07.45 9.92 | 23 03.33 9.92 | 22 58.30 9.91 | 22 55.23 9.90 | 22 45.05 9.88 | 22 34.90 9.85 | 22 24.79 9.82 | 22 14.80 9.80 |
| 86.0 | 23 | 17.31 9.79 | 23 13.18 9.79 | 23 08.14 9.78 | 23 05.07 9.77 | 22 54.86 9.75 | 22 44.69 9.72 | 22 34.55 9.70 | 22 24.53 9.67 |
| 87.0 | 23 | 27.04 9.67 | 23 22.91 9.66 | 23 17.86 9.65 | 23 14.78 9.64 | 23 04.54 9.62 | 22 54.34 9.59 | 22 44.18 9.57 | 22 34.14 9.54 |
| 88.0 | 23 | 36.64 9.53 | 23 32.50 9.53 | 23 27.45 9.52 | 23 24.36 9.51 | 23 14.10 9.49 | 23 03.87 9.46 | 22 53.69 9.44 | 22 43.61 9.41 |
| 89.0 | 23 | 46.11 9.40 | 23 41.97 9.40 | 23 36.90 9.39 | 23 33.81 9.38 | 23 23.52 9.35 | 23 13.27 9.33 | 23 03.05 9.30 | 22 52.95 9.28 |
| 90.0 | 23 | 55.44 9.27 | 23 51.29 9.26 | 23 46.22 9.25 | 23 43.12 9.25 | 23 32.80 9.22 | 23 22.53 9.20 | 23 12.29 9.17 | 23 02.16 9.14 |
| 91.0 | 24 | 04.64 9.13 | 24 00.49 9.13 | 23 55.41 9.12 | 23 52.30 9.11 | 23 41.96 9.09 | 23 31.66 9.06 | 23 21.39 9.04 | 23 11.24 9.01 |
| 92.0 | 24 | 13.71 9.00 | 24 09.55 8.99 | 24 04.46 8.98 | 24 01.34 8.98 | 23 50.98 8.95 | 23 40.65 8.93 | 23 30.36 8.90 | 23 20.18 8.88 |
| 93.0 | 24 | 22.63 8.86 | 24 18.47 8.85 | 24 13.37 8.85 | 24 10.25 8.84 | 23 59.86 8.82 | 23 49.51 8.79 | 23 39.20 8.78 | 23 29.00 8.76 |
| 94.0 | 24 | 31.43 8.75 | 24 27.26 8.75 | 24 22.16 8.75 | 24 19.03 8.74 | 24 08.63 8.73 | 23 58.27 8.72 | 23 47.94 8.71 | 23 37.73 8.71 |
| 95.0 | 24 | 40.16 8.70 | 24 35.98 8.70 | 24 30.88 8.69 | 24 27.75 8.69 | 24 17.34 8.69 | 24 06.97 8.68 | 23 56.63 8.67 | 23 46.41 8.66 |
| 96.0 | 24 | 48.83 8.65 | 24 44.66 8.65 | 24 39.55 8.65 | 24 36.42 8.64 | 24 26.00 8.63 | 24 15.62 8.62 | 24 05.27 8.61 | 23 55.04 8.60 |
| 97.0 | 24 | 57.46 8.59 | 24 53.28 8.58 | 24 48.17 8.58 | 24 45.03 8.58 | 24 34.60 8.56 | 24 24.20 8.55 | 24 13.85 8.53 | 24 03.60 8.52 |
| 98.0 | 25 | 06.00 8.51 | 25 01.82 8.50 | 24 56.71 8.50 | 24 53.57 8.49 | 24 43.12 8.48 | 24 32.71 8.47 | 24 22.34 8.46 | 24 12.08 8.44 |
| 99.0 | 25 | 14.47 8.43 | 25 10.29 8.43 | 25 05.17 8.42 | 25 02.02 8.42 | 24 51.56 8.40 | 24 41.14 8.39 | 24 30.76 8.37 | 24 20.48 8.36 |
| 100.0 | 25 | 22.86 8.34 | 25 18.67 8.34 | 25 13.55 8.34 | 25 10.40 8.34 | 24 59.93 8.34 | 24 49.50 8.34 | 24 39.10 8.34 | 24 28.82 8.34 |

| S | Depth of source [km] | | | | | | | | |
|--------------|----------------------|---------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 15. | 35. | 50. | 100. | 150. | 200. | 250. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 100.0 | 25 | 22.86 8.34 | 25 18.67 8.34 | 25 13.55 8.34 | 25 10.40 8.34 | 24 59.93 8.34 | 24 49.50 8.34 | 24 39.10 8.34 | 24 28.82 8.34 |
| 101.0 | 25 | 31.20 8.34 | 25 27.01 8.34 | 25 21.89 8.34 | 25 18.74 8.34 | 25 08.27 8.34 | 24 57.84 8.34 | 24 47.45 8.34 | 24 37.16 8.34 |
| 102.0 | 25 | 39.54 8.34 | 25 35.35 8.34 | 25 30.23 8.34 | 25 27.08 8.34 | 25 16.61 8.34 | 25 06.18 8.34 | 24 55.79 8.34 | 24 45.51 8.34 |
| 103.0 | 25 | 47.88 8.34 | 25 43.69 8.34 | 25 38.57 8.34 | 25 35.42 8.34 | 25 24.95 8.34 | 25 14.52 8.34 | 25 04.13 8.34 | 24 53.85 8.34 |
| 104.0 | 25 | 56.22 8.34 | 25 52.03 8.34 | 25 46.91 8.34 | 25 43.76 8.34 | 25 33.29 8.34 | 25 22.86 8.34 | 25 12.47 8.34 | 25 02.19 8.34 |
| 105.0 | 26 | 04.56 8.34 | 26 00.37 8.34 | 25 55.25 8.34 | 25 52.10 8.34 | 25 41.63 8.34 | 25 31.20 8.34 | 25 20.81 8.34 | 25 10.53 8.34 |
| 106.0 | 26 | 12.90 8.34 | 26 08.71 8.34 | 26 03.59 8.34 | 26 00.44 8.34 | 25 49.97 8.34 | 25 39.54 8.34 | 25 29.15 8.34 | 25 18.87 8.34 |
| 107.0 | 26 | 21.24 8.34 | 26 17.05 8.34 | 26 11.93 8.34 | 26 08.78 8.34 | 25 58.31 8.34 | 25 47.88 8.34 | 25 37.49 8.34 | 25 27.21 8.34 |
| 108.0 | 26 | 29.58 8.34 | 26 25.39 8.34 | 26 20.27 8.34 | 26 17.12 8.34 | 26 06.65 8.34 | 25 56.22 8.34 | 25 45.83 8.34 | 25 35.55 8.34 |
| 109.0 | 26 | 37.92 8.34 | 26 33.74 8.34 | 26 28.61 8.34 | 26 25.46 8.34 | 26 14.99 8.34 | 26 04.56 8.34 | 25 54.17 8.34 | 25 43.89 8.34 |
| 110.0 | 26 | 46.26 8.34 | 26 42.08 8.34 | 26 36.95 8.34 | 26 33.80 8.34 | 26 23.33 8.34 | 26 12.90 8.34 | 26 02.51 8.34 | 25 52.23 8.34 |
| 111.0 | 26 | 54.60 8.34 | 26 50.42 8.34 | 26 45.29 8.34 | 26 42.14 8.34 | 26 31.67 8.34 | 26 21.24 8.34 | 26 10.85 8.34 | 26 00.57 8.34 |
| 112.0 | 27 | 02.94 8.34 | 26 58.76 8.34 | 26 53.63 8.34 | 26 50.48 8.34 | 26 40.01 8.34 | 26 29.58 8.34 | 26 19.19 8.34 | 26 08.91 8.34 |
| 113.0 | 27 | 11.28 8.34 | 27 07.10 8.34 | 27 01.97 8.34 | 26 58.82 8.34 | 26 48.35 8.34 | 26 37.92 8.34 | 26 27.53 8.34 | 26 17.25 8.34 |
| 114.0 | 27 | 19.62 8.34 | 27 15.44 8.34 | 27 10.31 8.34 | 27 07.16 8.34 | 26 56.69 8.34 | 26 46.26 8.34 | 26 35.87 8.34 | 26 25.59 8.34 |
| 115.0 | 27 | 27.97 8.34 | 27 23.78 8.34 | 27 18.65 8.34 | 27 15.51 8.34 | 27 05.03 8.34 | 26 54.61 8.34 | 26 44.21 8.34 | 26 33.93 8.34 |
| 116.0 | 27 | 36.31 8.34 | 27 32.12 8.34 | 27 27.00 8.34 | 27 23.85 8.34 | 27 13.38 8.34 | 27 02.95 8.34 | 26 52.55 8.34 | 26 42.27 8.34 |
| 117.0 | 27 | 44.65 8.34 | 27 40.46 8.34 | 27 35.34 8.34 | 27 32.19 8.34 | 27 21.72 8.34 | 27 11.29 8.34 | 27 00.89 8.34 | 26 50.61 8.34 |
| 118.0 | 27 | 52.99 8.34 | 27 48.80 8.34 | 27 43.68 8.34 | 27 40.53 8.34 | 27 30.06 8.34 | 27 19.63 8.34 | 27 09.24 8.34 | 26 58.95 8.34 |
| 119.0 | 28 | 01.33 8.34 | 27 57.14 8.34 | 27 52.02 8.34 | 27 48.87 8.34 | 27 38.40 8.34 | 27 27.97 8.34 | 27 17.58 8.34 | 27 07.30 8.34 |
| 120.0 | 28 | 09.67 8.34 | 28 05.48 8.34 | 28 00.36 8.34 | 27 57.21 8.34 | 27 46.74 8.34 | 27 36.31 8.34 | 27 25.92 8.34 | 27 15.64 8.34 |
| 121.0 | 28 | 18.01 8.34 | 28 13.82 8.34 | 28 08.70 8.34 | 28 05.55 8.34 | 27 55.08 8.34 | 27 44.65 8.34 | 27 34.26 8.34 | 27 23.98 8.34 |
| 122.0 | 28 | 26.35 8.34 | 28 22.16 8.34 | 28 17.04 8.34 | 28 13.89 8.34 | 28 03.42 8.34 | 27 52.99 8.34 | 27 42.60 8.34 | 27 32.32 8.34 |
| 123.0 | 28 | 34.69 8.34 | 28 30.50 8.34 | 28 25.38 8.34 | 28 22.23 8.34 | 28 11.76 8.34 | 28 01.33 8.34 | 27 50.94 8.34 | 27 40.66 8.34 |
| 124.0 | 28 | 43.03 8.34 | 28 38.84 8.34 | 28 33.72 8.34 | 28 30.57 8.34 | 28 20.10 8.34 | 28 09.67 8.34 | 27 59.28 8.34 | 27 49.00 8.34 |
| 125.0 | 28 | 51.37 8.34 | 28 47.18 8.34 | 28 42.06 8.34 | 28 38.91 8.34 | 28 28.44 8.34 | 28 18.01 8.34 | 28 07.62 8.34 | 27 57.34 8.34 |

| S | Depth of source [km] | | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | | 1 08.13 0.00 | 1 18.72 0.00 | 1 29.12 0.00 | 1 38.99 0.00 | 1 48.57 0.00 | 1 57.96 0.00 | 2 07.17 0.00 | 2 16.20 0.00 | 2 24.64 0.00 |
| 1.0 | | 1 12.42 8.32 | 1 22.37 7.10 | 1 32.27 6.16 | 1 41.74 5.40 | 1 51.00 4.78 | 2 00.13 4.27 | 2 09.12 3.84 | 2 17.97 3.49 | 2 26.25 3.16 |
| 2.0 | | 1 23.96 14.30 | 1 32.41 12.65 | 1 41.11 11.25 | 1 49.54 10.03 | 1 57.94 8.99 | 2 06.35 8.09 | 2 14.74 7.32 | 2 23.07 6.66 | 2 30.88 6.06 |
| 3.0 | | 1 40.21 17.87 | 1 47.03 16.31 | 1 54.29 14.88 | 2 01.40 13.51 | 2 08.65 12.29 | 2 16.08 11.22 | 2 23.60 10.29 | 2 31.17 9.46 | 2 38.28 8.66 |
| 4.0 | | 1 59.19 19.91 | 2 04.57 18.58 | 2 10.46 17.29 | 2 16.21 15.96 | 2 22.24 14.74 | 2 28.56 13.63 | 2 35.10 12.62 | 2 41.80 11.70 | 2 48.05 10.81 |
| 5.0 | | 2 19.74 21.09 | 2 23.91 19.98 | 2 28.59 18.87 | 2 33.06 17.62 | 2 37.89 16.46 | 2 43.12 15.39 | 2 48.65 14.40 | 2 54.42 13.48 | 2 59.76 12.53 |
| 6.0 | | 2 41.21 21.80 | 2 44.36 20.86 | 2 48.01 19.89 | 2 51.27 18.72 | 2 54.99 17.65 | 2 59.18 16.66 | 3 03.74 15.71 | 3 08.60 14.82 | 3 12.98 13.86 |
| 7.0 | | 3 03.24 22.23 | 3 05.52 21.41 | 3 08.26 20.56 | 3 10.37 19.41 | 3 13.06 18.45 | 3 16.30 17.54 | 3 19.96 16.67 | 3 23.96 15.83 | 3 27.36 14.85 |
| 8.0 | | 3 25.60 22.48 | 3 27.12 21.75 | 3 29.06 21.00 | 3 30.00 19.80 | 3 31.78 18.95 | 3 34.16 18.13 | 3 36.98 17.34 | 3 40.17 16.56 | 3 42.58 15.55 |
| 9.0 | | 3 48.15 22.61 | 3 48.97 21.95 | 3 50.20 21.27 | 3 49.89 19.97 | 3 50.90 19.25 | 3 52.50 18.52 | 3 54.56 17.80 | 3 57.01 17.08 | 3 58.37 16.00 |
| 10.0 | | 4 10.79 22.65 | 4 10.97 22.04 | 4 10.84 20.41 | 4 09.89 20.01 | 4 10.23 19.39 | 4 11.14 18.75 | 4 12.52 18.09 | 4 14.28 17.44 | 4 14.50 16.23 |
| 11.0 | | 4 33.43 22.61 | 4 33.02 22.05 | 4 31.23 20.34 | 4 29.88 19.98 | 4 29.65 19.44 | 4 29.96 18.86 | 4 30.71 18.27 | 4 31.52 16.68 | 4 30.78 16.32 |
| 12.0 | | 4 55.99 22.52 | 4 55.05 21.99 | 4 51.53 20.25 | 4 49.82 19.90 | 4 49.09 19.42 | 4 48.84 18.90 | 4 49.03 18.36 | 4 48.19 16.64 | 4 47.11 16.32 |
| 13.0 | | 5 18.45 22.38 | 5 15.58 20.27 | 5 11.72 20.13 | 5 09.67 19.78 | 5 08.47 19.34 | 5 07.73 18.86 | 5 07.39 18.37 | 5 04.79 16.57 | 5 03.40 16.27 |
| 14.0 | | 5 40.30 20.28 | 5 35.79 20.15 | 5 31.77 19.98 | 5 29.38 19.64 | 5 27.76 19.23 | 5 26.56 18.79 | 5 25.01 16.58 | 5 21.32 16.48 | 5 19.64 16.21 |
| 15.0 | | 6 00.52 20.15 | 5 55.87 19.99 | 5 51.66 19.80 | 5 48.94 19.47 | 5 46.91 19.08 | 5 45.29 18.67 | 5 41.55 16.49 | 5 37.75 16.37 | 5 35.81 16.13 |
| 16.0 | | 6 20.59 19.99 | 6 15.77 19.81 | 6 11.36 19.60 | 6 08.31 19.27 | 6 05.91 18.91 | 6 02.32 16.49 | 5 57.99 16.37 | 5 54.06 16.25 | 5 51.89 16.01 |
| 17.0 | | 6 40.48 19.79 | 6 35.47 19.59 | 6 30.84 19.37 | 6 27.48 19.06 | 6 23.60 16.47 | 6 18.75 16.36 | 6 14.30 16.26 | 6 10.26 16.14 | 6 07.81 15.84 |
| 18.0 | | 7 00.15 19.56 | 6 54.95 19.35 | 6 50.09 19.13 | 6 45.33 16.43 | 6 40.00 16.34 | 6 35.05 16.24 | 6 30.50 16.14 | 6 26.32 15.97 | 6 23.62 15.79 |
| 19.0 | | 7 19.59 19.31 | 7 14.18 19.10 | 7 07.64 16.39 | 7 01.70 16.30 | 6 56.28 16.22 | 6 51.24 16.12 | 6 46.56 15.95 | 6 42.18 15.81 | 6 39.40 15.76 |
| 20.0 | | 7 38.06 16.39 | 7 30.85 16.33 | 7 23.96 16.26 | 7 17.94 16.18 | 7 12.43 16.08 | 7 07.26 15.87 | 7 02.40 15.81 | 6 57.98 15.78 | 6 55.15 15.74 |
| 21.0 | | 7 54.39 16.26 | 7 47.11 16.20 | 7 40.15 16.13 | 7 34.05 16.02 | 7 28.39 15.84 | 7 23.08 15.80 | 7 18.19 15.77 | 7 13.74 15.75 | 7 10.88 15.71 |
| 22.0 | | 8 10.59 16.13 | 8 03.24 16.05 | 7 56.18 15.86 | 7 49.93 15.82 | 7 44.20 15.79 | 7 38.87 15.77 | 7 33.95 15.75 | 7 29.48 15.73 | 7 26.58 15.69 |
| 23.0 | | 8 26.62 15.86 | 8 19.15 15.82 | 8 12.00 15.80 | 8 05.73 15.78 | 7 59.97 15.76 | 7 54.62 15.74 | 7 49.69 15.72 | 7 45.19 15.70 | 7 42.24 15.65 |
| 24.0 | | 8 42.44 15.80 | 8 34.95 15.78 | 8 27.78 15.77 | 8 21.49 15.75 | 8 15.72 15.73 | 8 10.35 15.72 | 8 05.40 15.69 | 8 00.88 15.66 | 7 57.87 15.60 |
| 25.0 | | 8 58.22 15.77 | 8 50.71 15.75 | 8 43.54 15.74 | 8 37.23 15.73 | 8 31.44 15.71 | 8 26.05 15.69 | 8 21.08 15.66 | 8 16.52 15.62 | 8 13.44 15.54 |

| S | Depth of source [km] | | | | | | | | | |
|-------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 8 58.22 15.77 | 8 50.71 15.75 | 8 43.54 15.74 | 8 37.23 15.73 | 8 31.44 15.71 | 8 26.05 15.69 | 8 21.08 15.66 | 8 16.52 15.62 | 8 13.44 15.54 |
| 26.0 | | 9 13.97 15.74 | 9 06.46 15.73 | 8 59.27 15.71 | 8 52.94 15.70 | 8 47.13 15.68 | 8 41.72 15.65 | 8 36.71 15.61 | 8 32.11 15.56 | 8 28.96 15.48 |
| 27.0 | | 9 29.70 15.71 | 9 22.17 15.70 | 9 14.97 15.68 | 9 08.62 15.66 | 9 02.79 15.63 | 8 57.35 15.60 | 8 52.29 15.55 | 8 47.64 15.50 | 8 44.41 15.41 |
| 28.0 | | 9 45.40 15.68 | 9 37.85 15.67 | 9 30.63 15.64 | 9 24.26 15.61 | 9 18.40 15.58 | 9 12.91 15.54 | 9 07.81 15.49 | 9 03.11 15.43 | 8 59.79 15.35 |
| 29.0 | | 10 01.06 15.64 | 9 53.50 15.62 | 9 46.25 15.59 | 9 39.85 15.56 | 9 33.95 15.52 | 9 28.42 15.47 | 9 23.27 15.42 | 9 18.50 15.36 | 9 15.10 15.27 |
| 30.0 | | 10 16.68 15.59 | 10 09.09 15.56 | 10 01.81 15.53 | 9 55.37 15.49 | 9 49.43 15.45 | 9 43.85 15.40 | 9 38.65 15.34 | 9 33.82 15.28 | 9 30.33 15.20 |
| 31.0 | | 10 32.24 15.52 | 10 24.61 15.49 | 10 17.30 15.46 | 10 10.83 15.42 | 10 04.84 15.37 | 9 59.21 15.32 | 9 53.95 15.27 | 9 49.07 15.21 | 9 45.49 15.12 |
| 32.0 | | 10 47.73 15.45 | 10 40.07 15.42 | 10 32.72 15.38 | 10 26.21 15.34 | 10 20.17 15.30 | 10 14.50 15.25 | 10 09.18 15.19 | 10 04.24 15.13 | 10 00.58 15.04 |
| 33.0 | | 11 03.14 15.38 | 10 55.45 15.34 | 10 48.07 15.31 | 10 41.51 15.26 | 10 35.43 15.22 | 10 29.70 15.17 | 10 24.33 15.11 | 10 19.33 15.05 | 10 15.58 14.96 |
| 34.0 | | 11 18.48 15.30 | 11 10.76 15.27 | 11 03.34 15.23 | 10 56.73 15.18 | 10 50.60 15.14 | 10 44.83 15.08 | 10 39.40 15.03 | 10 34.33 14.96 | 10 30.50 14.88 |
| 35.0 | | 11 33.74 15.22 | 11 25.98 15.18 | 11 18.52 15.15 | 11 11.88 15.10 | 11 05.70 15.05 | 10 59.87 15.00 | 10 54.38 14.94 | 10 49.25 14.88 | 10 45.33 14.79 |
| 36.0 | | 11 48.92 15.14 | 11 41.12 15.10 | 11 33.63 15.06 | 11 26.93 15.01 | 11 20.70 14.96 | 11 14.82 14.91 | 11 09.28 14.85 | 11 04.08 14.79 | 11 00.08 14.70 |
| 37.0 | | 12 04.01 15.05 | 11 56.18 15.01 | 11 48.64 14.97 | 11 41.90 14.92 | 11 35.62 14.87 | 11 29.68 14.82 | 11 24.09 14.76 | 11 18.83 14.70 | 11 14.74 14.61 |
| 38.0 | | 12 19.02 14.96 | 12 11.14 14.92 | 12 03.57 14.88 | 11 56.78 14.83 | 11 50.45 14.78 | 11 44.46 14.73 | 11 38.80 14.67 | 11 33.48 14.61 | 11 29.31 14.52 |
| 39.0 | | 12 33.93 14.87 | 12 26.02 14.83 | 12 18.40 14.79 | 12 11.57 14.74 | 12 05.19 14.69 | 11 59.14 14.64 | 11 53.42 14.58 | 11 48.04 14.51 | 11 43.79 14.43 |
| 40.0 | | 12 48.75 14.77 | 12 40.80 14.74 | 12 33.14 14.69 | 12 26.26 14.65 | 12 19.83 14.60 | 12 13.73 14.54 | 12 07.95 14.48 | 12 02.51 14.42 | 11 58.18 14.34 |
| 41.0 | | 13 03.48 14.68 | 12 55.49 14.64 | 12 47.79 14.60 | 12 40.86 14.55 | 12 34.38 14.50 | 12 28.22 14.45 | 12 22.39 14.39 | 12 16.88 14.32 | 12 12.47 14.24 |
| 42.0 | | 13 18.11 14.58 | 13 10.08 14.54 | 13 02.34 14.50 | 12 55.36 14.45 | 12 48.83 14.40 | 12 42.62 14.35 | 12 36.73 14.29 | 12 31.15 14.23 | 12 26.66 14.15 |
| 43.0 | | 13 32.65 14.48 | 13 24.57 14.44 | 13 16.79 14.40 | 13 09.77 14.35 | 13 03.18 14.30 | 12 56.92 14.25 | 12 50.97 14.19 | 12 45.33 14.13 | 12 40.76 14.05 |
| 44.0 | | 13 47.08 14.38 | 13 38.97 14.34 | 13 31.14 14.30 | 13 24.07 14.25 | 13 17.43 14.20 | 13 11.11 14.15 | 13 05.10 14.09 | 12 59.41 14.03 | 12 54.76 13.95 |
| 45.0 | | 14 01.41 14.28 | 13 53.26 14.24 | 13 45.39 14.20 | 13 38.27 14.15 | 13 31.58 14.10 | 13 25.21 14.04 | 13 19.14 13.99 | 13 13.38 13.93 | 13 08.66 13.85 |
| 46.0 | | 14 15.64 14.18 | 14 07.45 14.14 | 13 59.54 14.09 | 13 52.37 14.05 | 13 45.63 14.00 | 13 39.20 13.94 | 13 33.08 13.89 | 13 27.26 13.82 | 13 22.46 13.75 |
| 47.0 | | 14 29.77 14.07 | 14 21.53 14.03 | 14 13.58 13.99 | 14 06.37 13.94 | 13 59.58 13.89 | 13 53.09 13.84 | 13 46.91 13.78 | 13 41.03 13.72 | 13 36.16 13.65 |
| 48.0 | | 14 43.79 13.97 | 14 35.51 13.93 | 14 27.52 13.88 | 14 20.26 13.84 | 14 13.42 13.79 | 14 06.88 13.73 | 14 00.64 13.68 | 13 54.70 13.62 | 13 49.76 13.55 |
| 49.0 | | 14 57.70 13.86 | 14 49.39 13.82 | 14 41.35 13.78 | 14 34.04 13.73 | 14 27.15 13.68 | 14 20.56 13.63 | 14 14.27 13.58 | 14 08.27 13.52 | 14 03.27 13.46 |
| 50.0 | | 15 11.51 13.75 | 15 03.15 13.71 | 14 55.07 13.67 | 14 47.72 13.63 | 14 40.78 13.58 | 14 34.14 13.53 | 14 27.80 13.48 | 14 21.75 13.42 | 14 16.67 13.36 |

| S | Depth of source [km] | | | | | | | | | |
|-------------|----------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 50.0 | 15 | 11.51 13.75 | 15 03.15 13.71 | 14 55.07 13.67 | 14 47.72 13.63 | 14 40.78 13.58 | 14 34.14 13.53 | 14 27.80 13.48 | 14 21.75 13.42 | 14 16.67 13.36 |
| 51.0 | 15 | 25.20 13.65 | 15 16.81 13.61 | 15 08.69 13.57 | 15 01.30 13.53 | 14 54.31 13.48 | 14 47.62 13.43 | 14 41.23 13.38 | 14 35.12 13.32 | 14 29.98 13.25 |
| 52.0 | 15 | 38.80 13.54 | 15 30.37 13.51 | 15 22.21 13.47 | 15 14.77 13.42 | 15 07.74 13.38 | 15 01.00 13.33 | 14 54.55 13.27 | 14 48.39 13.22 | 14 43.18 13.15 |
| 53.0 | 15 | 52.29 13.44 | 15 43.82 13.40 | 15 35.63 13.36 | 15 28.14 13.32 | 15 21.06 13.27 | 15 14.28 13.22 | 15 07.77 13.17 | 15 01.56 13.11 | 14 56.28 13.05 |
| 54.0 | 16 | 05.68 13.33 | 15 57.17 13.29 | 15 48.93 13.25 | 15 41.41 13.21 | 15 34.28 13.16 | 15 27.44 13.11 | 15 20.89 13.06 | 15 14.62 13.01 | 15 09.27 12.94 |
| 55.0 | 16 | 18.96 13.22 | 16 10.41 13.19 | 16 02.13 13.15 | 15 54.56 13.10 | 15 47.39 13.06 | 15 40.50 13.01 | 15 33.90 12.96 | 15 27.57 12.90 | 15 22.17 12.84 |
| 56.0 | 16 | 32.12 13.11 | 16 23.54 13.08 | 16 15.23 13.04 | 16 07.61 12.99 | 16 00.39 12.95 | 15 53.46 12.90 | 15 46.80 12.85 | 15 40.42 12.80 | 15 34.96 12.74 |
| 57.0 | 16 | 45.18 13.00 | 16 36.56 12.97 | 16 28.21 12.93 | 16 20.55 12.89 | 16 13.29 12.84 | 16 06.31 12.80 | 15 59.60 12.75 | 15 53.17 12.69 | 15 47.64 12.63 |
| 58.0 | 16 | 58.13 12.90 | 16 49.48 12.86 | 16 41.08 12.82 | 16 33.39 12.78 | 16 26.08 12.74 | 16 19.05 12.69 | 16 12.30 12.64 | 16 05.81 12.59 | 16 00.22 12.53 |
| 59.0 | 17 | 10.97 12.79 | 17 02.28 12.75 | 16 53.85 12.71 | 16 46.11 12.67 | 16 38.76 12.63 | 16 31.68 12.58 | 16 24.88 12.53 | 16 18.35 12.48 | 16 12.69 12.42 |
| 60.0 | 17 | 23.71 12.68 | 17 14.98 12.64 | 17 06.51 12.60 | 16 58.73 12.56 | 16 51.33 12.52 | 16 44.21 12.47 | 16 37.36 12.42 | 16 30.77 12.37 | 16 25.06 12.32 |
| 61.0 | 17 | 36.33 12.57 | 17 27.57 12.53 | 17 19.06 12.49 | 17 11.24 12.45 | 17 03.80 12.41 | 16 56.63 12.36 | 16 49.73 12.32 | 16 43.09 12.27 | 16 37.33 12.21 |
| 62.0 | 17 | 48.84 12.45 | 17 40.04 12.42 | 17 31.50 12.38 | 17 23.63 12.34 | 17 16.15 12.30 | 17 08.94 12.26 | 17 01.99 12.21 | 16 55.31 12.16 | 16 49.48 12.10 |
| 63.0 | 18 | 01.24 12.34 | 17 52.40 12.31 | 17 43.82 12.27 | 17 35.92 12.23 | 17 28.39 12.19 | 17 21.14 12.15 | 17 14.15 12.10 | 17 07.41 12.05 | 17 01.53 12.00 |
| 64.0 | 18 | 13.52 12.23 | 18 04.66 12.20 | 17 56.04 12.16 | 17 48.10 12.12 | 17 40.53 12.08 | 17 33.23 12.04 | 17 26.19 11.99 | 17 19.41 11.95 | 17 13.48 11.89 |
| 65.0 | 18 | 25.70 12.12 | 18 16.80 12.09 | 18 08.15 12.05 | 18 00.17 12.01 | 17 52.56 11.97 | 17 45.22 11.93 | 17 38.13 11.88 | 17 31.30 11.84 | 17 25.31 11.78 |
| 66.0 | 18 | 37.77 12.01 | 18 28.83 11.98 | 18 20.14 11.94 | 18 12.12 11.90 | 18 04.47 11.86 | 17 57.09 11.82 | 17 49.96 11.77 | 17 43.09 11.73 | 17 37.04 11.68 |
| 67.0 | 18 | 49.72 11.90 | 18 40.75 11.86 | 18 32.03 11.83 | 18 23.97 11.79 | 18 16.28 11.75 | 18 08.85 11.71 | 18 01.68 11.67 | 17 54.76 11.62 | 17 48.66 11.57 |
| 68.0 | 19 | 01.56 11.78 | 18 52.56 11.75 | 18 43.80 11.72 | 18 35.71 11.68 | 18 27.98 11.64 | 18 20.51 11.60 | 18 13.29 11.55 | 18 06.33 11.51 | 18 00.18 11.46 |
| 69.0 | 19 | 13.29 11.67 | 19 04.25 11.64 | 18 55.46 11.61 | 18 47.33 11.57 | 18 39.56 11.53 | 18 32.05 11.49 | 18 24.79 11.44 | 18 17.78 11.40 | 18 11.58 11.34 |
| 70.0 | 19 | 24.90 11.56 | 19 15.84 11.53 | 19 07.01 11.49 | 18 58.84 11.45 | 18 51.03 11.41 | 18 43.48 11.37 | 18 36.18 11.33 | 18 29.12 11.28 | 18 22.86 11.23 |
| 71.0 | 19 | 36.40 11.44 | 19 27.30 11.41 | 19 18.44 11.38 | 19 10.24 11.34 | 19 02.39 11.30 | 18 54.79 11.26 | 18 47.45 11.21 | 18 40.35 11.17 | 18 34.04 11.12 |
| 72.0 | 19 | 47.79 11.33 | 19 38.65 11.29 | 19 29.76 11.26 | 19 21.52 11.22 | 19 13.63 11.18 | 19 05.99 11.14 | 18 58.61 11.10 | 18 51.46 11.06 | 18 45.11 11.01 |
| 73.0 | 19 | 59.05 11.21 | 19 49.89 11.18 | 19 40.96 11.14 | 19 32.68 11.11 | 19 24.76 11.07 | 19 17.08 11.03 | 19 09.65 10.99 | 19 02.46 10.95 | 18 56.06 10.90 |
| 74.0 | 20 | 10.20 11.09 | 20 01.01 11.06 | 19 52.05 11.03 | 19 43.73 10.99 | 19 35.77 10.96 | 19 28.06 10.92 | 19 20.59 10.88 | 19 13.35 10.83 | 19 06.90 10.78 |
| 75.0 | 20 | 21.24 10.98 | 20 12.01 10.95 | 20 03.02 10.91 | 19 54.67 10.88 | 19 46.67 10.84 | 19 38.92 10.80 | 19 31.40 10.76 | 19 24.13 10.72 | 19 17.63 10.67 |

| S | Depth of source [km] | | | | | | | | | |
|--------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 75.0 | | 20 21.24 10.98 | 20 12.01 10.95 | 20 03.02 10.91 | 19 54.67 10.88 | 19 46.67 10.84 | 19 38.92 10.80 | 19 31.40 10.76 | 19 24.13 10.72 | 19 17.63 10.67 |
| 76.0 | | 20 32.16 10.86 | 20 22.90 10.83 | 20 13.87 10.80 | 20 05.49 10.76 | 19 57.45 10.72 | 19 49.66 10.69 | 19 42.11 10.65 | 19 34.79 10.61 | 19 28.25 10.56 |
| 77.0 | | 20 42.96 10.74 | 20 33.67 10.71 | 20 24.61 10.68 | 20 16.19 10.64 | 20 08.11 10.61 | 20 00.29 10.57 | 19 52.70 10.53 | 19 45.34 10.49 | 19 38.75 10.45 |
| 78.0 | | 20 53.64 10.62 | 20 44.32 10.59 | 20 35.23 10.56 | 20 26.78 10.53 | 20 18.67 10.50 | 20 10.80 10.46 | 20 03.17 10.42 | 19 55.78 10.38 | 19 49.14 10.33 |
| 79.0 | | 21 04.20 10.51 | 20 54.85 10.48 | 20 45.74 10.45 | 20 37.25 10.41 | 20 29.10 10.38 | 20 21.20 10.34 | 20 13.53 10.30 | 20 06.09 10.26 | 19 59.41 10.21 |
| 80.0 | | 21 14.65 10.39 | 21 05.27 10.36 | 20 56.12 10.32 | 20 47.60 10.29 | 20 39.42 10.25 | 20 31.48 10.21 | 20 23.77 10.18 | 20 16.29 10.14 | 20 09.56 10.09 |
| 81.0 | | 21 24.98 10.26 | 21 15.57 10.23 | 21 06.39 10.20 | 20 57.83 10.17 | 20 49.61 10.13 | 20 41.63 10.09 | 20 33.88 10.06 | 20 26.37 10.02 | 20 19.59 9.97 |
| 82.0 | | 21 35.18 10.14 | 21 25.74 10.11 | 21 16.52 10.08 | 21 07.93 10.05 | 20 59.68 10.01 | 20 51.67 9.98 | 20 43.88 9.94 | 20 36.32 9.90 | 20 29.50 9.85 |
| 83.0 | | 21 45.25 10.02 | 21 35.78 9.99 | 21 26.54 9.96 | 21 17.92 9.92 | 21 09.63 9.89 | 21 01.58 9.85 | 20 53.76 9.82 | 20 46.16 9.78 | 20 39.30 9.73 |
| 84.0 | | 21 55.21 9.89 | 21 45.71 9.86 | 21 36.44 9.83 | 21 27.78 9.80 | 21 19.46 9.77 | 21 11.37 9.73 | 21 03.52 9.69 | 20 55.88 9.66 | 20 48.97 9.61 |
| 85.0 | | 22 05.04 9.77 | 21 55.51 9.74 | 21 46.21 9.71 | 21 37.52 9.68 | 21 29.16 9.64 | 21 21.04 9.61 | 21 13.15 9.57 | 21 05.47 9.53 | 20 58.52 9.49 |
| 86.0 | | 22 14.74 9.64 | 22 05.19 9.61 | 21 55.86 9.58 | 21 47.13 9.55 | 21 38.74 9.52 | 21 30.59 9.48 | 21 22.65 9.44 | 21 14.94 9.40 | 21 07.94 9.36 |
| 87.0 | | 22 24.32 9.51 | 22 14.74 9.48 | 22 05.37 9.45 | 21 56.62 9.42 | 21 48.19 9.39 | 21 40.00 9.35 | 21 32.03 9.31 | 21 24.28 9.28 | 21 17.24 9.23 |
| 88.0 | | 22 33.77 9.38 | 22 24.15 9.35 | 22 14.76 9.32 | 22 05.97 9.29 | 21 57.52 9.26 | 21 49.29 9.22 | 21 41.28 9.18 | 21 33.49 9.15 | 21 26.41 9.11 |
| 89.0 | | 22 43.08 9.25 | 22 33.44 9.22 | 22 24.02 9.19 | 22 15.20 9.16 | 22 06.71 9.13 | 21 58.44 9.09 | 21 50.40 9.06 | 21 42.57 9.02 | 21 35.45 8.98 |
| 90.0 | | 22 52.26 9.12 | 22 42.59 9.09 | 22 33.14 9.06 | 22 24.29 9.03 | 22 15.77 9.00 | 22 07.47 8.96 | 21 59.39 8.93 | 21 51.53 8.89 | 21 44.36 8.85 |
| 91.0 | | 23 01.31 8.98 | 22 51.62 8.96 | 22 42.14 8.93 | 22 33.25 8.90 | 22 24.70 8.86 | 22 16.37 8.83 | 22 08.25 8.80 | 22 00.35 8.77 | 21 53.16 8.75 |
| 92.0 | | 23 10.23 8.85 | 23 00.51 8.82 | 22 51.00 8.80 | 22 42.09 8.78 | 22 33.50 8.76 | 22 25.14 8.74 | 22 17.01 8.73 | 22 09.09 8.71 | 22 01.88 8.70 |
| 93.0 | | 23 19.02 8.75 | 23 09.28 8.74 | 22 59.75 8.73 | 22 50.83 8.71 | 22 42.23 8.70 | 22 33.86 8.69 | 22 25.71 8.68 | 22 17.78 8.67 | 22 10.56 8.65 |
| 94.0 | | 23 27.74 8.70 | 23 17.99 8.69 | 23 08.46 8.68 | 22 59.52 8.67 | 22 50.91 8.66 | 22 42.53 8.64 | 22 34.37 8.63 | 22 26.42 8.61 | 22 19.18 8.59 |
| 95.0 | | 23 36.42 8.65 | 23 26.65 8.64 | 23 17.11 8.63 | 23 08.16 8.61 | 22 59.54 8.60 | 22 51.14 8.58 | 22 42.96 8.55 | 22 35.00 8.53 | 22 27.73 8.51 |
| 96.0 | | 23 45.04 8.58 | 23 35.26 8.57 | 23 25.70 8.55 | 23 16.73 8.53 | 23 08.09 8.52 | 22 59.68 8.50 | 22 51.48 8.48 | 22 43.49 8.46 | 22 36.20 8.44 |
| 97.0 | | 23 53.58 8.50 | 23 43.79 8.49 | 23 34.21 8.47 | 23 25.23 8.46 | 23 16.57 8.44 | 23 08.14 8.42 | 22 59.92 8.40 | 22 51.91 8.38 | 22 44.60 8.35 |
| 98.0 | | 24 02.05 8.43 | 23 52.24 8.41 | 23 42.65 8.39 | 23 33.65 8.38 | 23 24.97 8.36 | 23 16.51 8.34 | 23 08.28 8.34 | 23 00.26 8.34 | 22 52.94 8.34 |
| 99.0 | | 24 10.43 8.34 | 24 00.61 8.34 | 23 51.01 8.34 | 23 42.00 8.34 | 23 33.31 8.34 | 23 24.86 8.34 | 23 16.62 8.34 | 23 08.60 8.34 | 23 01.28 8.34 |
| 100.0 | | 24 18.77 8.34 | 24 08.95 8.34 | 23 59.35 8.34 | 23 50.34 8.34 | 23 41.65 8.34 | 23 33.20 8.34 | 23 24.96 8.34 | 23 16.94 8.34 | 23 09.62 8.34 |

| S | Depth of source [km] | | | | | | | | | |
|--------------|----------------------|---------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 300. | 350. | 400. | 450. | 500. | 550. | 600. | 650. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s | m s |
| 100.0 | 24 | 18.77 8.34 | 24 08.95 8.34 | 23 59.35 8.34 | 23 50.34 8.34 | 23 41.65 8.34 | 23 33.20 8.34 | 23 24.96 8.34 | 23 16.94 8.34 | 23 09.62 8.34 |
| 101.0 | 24 | 27.11 8.34 | 24 17.29 8.34 | 24 07.69 8.34 | 23 58.68 8.34 | 23 49.99 8.34 | 23 41.54 8.34 | 23 33.30 8.34 | 23 25.28 8.34 | 23 17.96 8.34 |
| 102.0 | 24 | 35.45 8.34 | 24 25.63 8.34 | 24 16.03 8.34 | 24 07.02 8.34 | 23 58.33 8.34 | 23 49.88 8.34 | 23 41.64 8.34 | 23 33.62 8.34 | 23 26.30 8.34 |
| 103.0 | 24 | 43.80 8.34 | 24 33.97 8.34 | 24 24.37 8.34 | 24 15.36 8.34 | 24 06.67 8.34 | 23 58.22 8.34 | 23 49.98 8.34 | 23 41.96 8.34 | 23 34.64 8.34 |
| 104.0 | 24 | 52.14 8.34 | 24 42.31 8.34 | 24 32.71 8.34 | 24 23.70 8.34 | 24 15.01 8.34 | 24 06.56 8.34 | 23 58.32 8.34 | 23 50.31 8.34 | 23 42.98 8.34 |
| 105.0 | 25 | 00.48 8.34 | 24 50.65 8.34 | 24 41.05 8.34 | 24 32.04 8.34 | 24 23.36 8.34 | 24 14.90 8.34 | 24 06.66 8.34 | 23 58.65 8.34 | 23 51.32 8.34 |
| 106.0 | 25 | 08.82 8.34 | 24 58.99 8.34 | 24 49.39 8.34 | 24 40.38 8.34 | 24 31.70 8.34 | 24 23.24 8.34 | 24 15.00 8.34 | 24 06.99 8.34 | 23 59.66 8.34 |
| 107.0 | 25 | 17.16 8.34 | 25 07.33 8.34 | 24 57.73 8.34 | 24 48.72 8.34 | 24 40.04 8.34 | 24 31.58 8.34 | 24 23.35 8.34 | 24 15.33 8.34 | 24 08.01 8.34 |
| 108.0 | 25 | 25.50 8.34 | 25 15.67 8.34 | 25 06.07 8.34 | 24 57.06 8.34 | 24 48.38 8.34 | 24 39.92 8.34 | 24 31.69 8.34 | 24 23.67 8.34 | 24 16.35 8.34 |
| 109.0 | 25 | 33.84 8.34 | 25 24.02 8.34 | 25 14.41 8.34 | 25 05.40 8.34 | 24 56.72 8.34 | 24 48.26 8.34 | 24 40.03 8.34 | 24 32.01 8.34 | 24 24.69 8.34 |
| 110.0 | 25 | 42.18 8.34 | 25 32.36 8.34 | 25 22.75 8.34 | 25 13.74 8.34 | 25 05.06 8.34 | 24 56.60 8.34 | 24 48.37 8.34 | 24 40.35 8.34 | 24 33.03 8.34 |
| 111.0 | 25 | 50.52 8.34 | 25 40.70 8.34 | 25 31.09 8.34 | 25 22.08 8.34 | 25 13.40 8.34 | 25 04.94 8.34 | 24 56.71 8.34 | 24 48.69 8.34 | 24 41.37 8.34 |
| 112.0 | 25 | 58.86 8.34 | 25 49.04 8.34 | 25 39.43 8.34 | 25 30.42 8.34 | 25 21.74 8.34 | 25 13.28 8.34 | 25 05.05 8.34 | 24 57.03 8.34 | 24 49.71 8.34 |
| 113.0 | 26 | 07.20 8.34 | 25 57.38 8.34 | 25 47.77 8.34 | 25 38.76 8.34 | 25 30.08 8.34 | 25 21.62 8.34 | 25 13.39 8.34 | 25 05.37 8.34 | 24 58.05 8.34 |
| 114.0 | 26 | 15.54 8.34 | 26 05.72 8.34 | 25 56.11 8.34 | 25 47.10 8.34 | 25 38.42 8.34 | 25 29.96 8.34 | 25 21.73 8.34 | 25 13.71 8.34 | 25 06.39 8.34 |
| 115.0 | 26 | 23.88 8.34 | 26 14.06 8.34 | 26 04.46 8.34 | 25 55.45 8.34 | 25 46.76 8.34 | 25 38.31 8.34 | 25 30.07 8.34 | 25 22.05 8.34 | 25 14.73 8.34 |
| 116.0 | 26 | 32.22 8.34 | 26 22.40 8.34 | 26 12.80 8.34 | 26 03.79 8.34 | 25 55.10 8.34 | 25 46.65 8.34 | 25 38.41 8.34 | 25 30.39 8.34 | 25 23.07 8.34 |
| 117.0 | 26 | 40.56 8.34 | 26 30.74 8.34 | 26 21.14 8.34 | 26 12.13 8.34 | 26 03.44 8.34 | 25 54.99 8.34 | 25 46.75 8.34 | 25 38.73 8.34 | 25 31.41 8.34 |
| 118.0 | 26 | 48.90 8.34 | 26 39.08 8.34 | 26 29.48 8.34 | 26 20.47 8.34 | 26 11.78 8.34 | 26 03.33 8.34 | 25 55.09 8.34 | 25 47.07 8.34 | 25 39.75 8.34 |
| 119.0 | 26 | 57.25 8.34 | 26 47.42 8.34 | 26 37.82 8.34 | 26 28.81 8.34 | 26 20.12 8.34 | 26 11.67 8.34 | 26 03.43 8.34 | 25 55.41 8.34 | 25 48.09 8.34 |
| 120.0 | 27 | 05.59 8.34 | 26 55.76 8.34 | 26 46.16 8.34 | 26 37.15 8.34 | 26 28.46 8.34 | 26 20.01 8.34 | 26 11.77 8.34 | 26 03.75 8.34 | 25 56.43 8.34 |
| 121.0 | 27 | 13.93 8.34 | 27 04.10 8.34 | 26 54.50 8.34 | 26 45.49 8.34 | 26 36.80 8.34 | 26 28.35 8.34 | 26 20.11 8.34 | 26 12.10 8.34 | 26 04.77 8.34 |
| 122.0 | 27 | 22.27 8.34 | 27 12.44 8.34 | 27 02.84 8.34 | 26 53.83 8.34 | 26 45.15 8.34 | 26 36.69 8.34 | 26 28.45 8.34 | 26 20.44 8.34 | 26 13.11 8.34 |
| 123.0 | 27 | 30.61 8.34 | 27 20.78 8.34 | 27 11.18 8.34 | 27 02.17 8.34 | 26 53.49 8.34 | 26 45.03 8.34 | 26 36.80 8.34 | 26 28.78 8.34 | 26 21.45 8.34 |
| 124.0 | 27 | 38.95 8.34 | 27 29.12 8.34 | 27 19.52 8.34 | 27 10.51 8.34 | 27 01.83 8.34 | 26 53.37 8.34 | 26 45.14 8.34 | 26 37.12 8.34 | 26 29.80 8.34 |
| 125.0 | 27 | 47.29 8.34 | 27 37.46 8.34 | 27 27.86 8.34 | 27 18.85 8.34 | 27 10.17 8.34 | 27 01.71 8.34 | 26 53.48 8.34 | 26 45.46 8.34 | 26 38.14 8.34 |

| PcP | Depth of source [km] | | | | | | | | |
|-------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | | 8 31.69 0.00 | 8 25.93 0.00 | 8 24.07 0.00 | 8 17.85 0.00 | 8 05.56 0.00 | 7 53.72 0.00 | 7 31.80 0.00 | 7 11.99 0.00 |
| 1.0 | | 8 31.74 0.10 | 8 25.98 0.10 | 8 24.12 0.10 | 8 17.90 0.10 | 8 05.61 0.10 | 7 53.77 0.10 | 7 31.85 0.10 | 7 12.04 0.10 |
| 2.0 | | 8 31.88 0.19 | 8 26.13 0.19 | 8 24.26 0.19 | 8 18.05 0.19 | 8 05.76 0.19 | 7 53.92 0.20 | 7 32.00 0.20 | 7 12.20 0.20 |
| 3.0 | | 8 32.12 0.29 | 8 26.37 0.29 | 8 24.50 0.29 | 8 18.29 0.29 | 8 06.00 0.29 | 7 54.16 0.29 | 7 32.25 0.30 | 7 12.45 0.30 |
| 4.0 | | 8 32.46 0.38 | 8 26.70 0.38 | 8 24.84 0.38 | 8 18.62 0.39 | 8 06.34 0.39 | 7 54.51 0.39 | 7 32.59 0.40 | 7 12.81 0.41 |
| 5.0 | | 8 32.89 0.48 | 8 27.13 0.48 | 8 25.27 0.48 | 8 19.06 0.48 | 8 06.78 0.48 | 7 54.95 0.49 | 7 33.04 0.50 | 7 13.26 0.51 |
| 6.0 | | 8 33.41 0.57 | 8 27.66 0.57 | 8 25.80 0.57 | 8 19.59 0.58 | 8 07.31 0.58 | 7 55.48 0.58 | 7 33.59 0.59 | 7 13.82 0.61 |
| 7.0 | | 8 34.03 0.67 | 8 28.28 0.67 | 8 26.42 0.67 | 8 20.21 0.67 | 8 07.94 0.68 | 7 56.11 0.68 | 7 34.23 0.69 | 7 14.47 0.71 |
| 8.0 | | 8 34.75 0.76 | 8 29.00 0.76 | 8 27.14 0.76 | 8 20.93 0.77 | 8 08.66 0.77 | 7 56.84 0.78 | 7 34.97 0.79 | 7 15.23 0.81 |
| 9.0 | | 8 35.56 0.86 | 8 29.81 0.86 | 8 27.95 0.86 | 8 21.74 0.86 | 8 09.48 0.87 | 7 57.67 0.87 | 7 35.81 0.89 | 7 16.08 0.90 |
| 10.0 | | 8 36.46 0.95 | 8 30.71 0.95 | 8 28.85 0.95 | 8 22.65 0.95 | 8 10.39 0.96 | 7 58.59 0.97 | 7 36.74 0.98 | 7 17.04 1.00 |
| 11.0 | | 8 37.45 1.04 | 8 31.71 1.04 | 8 29.85 1.04 | 8 23.65 1.05 | 8 11.40 1.05 | 7 59.60 1.06 | 7 37.77 1.08 | 7 18.09 1.10 |
| 12.0 | | 8 38.54 1.13 | 8 32.79 1.13 | 8 30.94 1.13 | 8 24.74 1.14 | 8 12.50 1.14 | 8 00.71 1.15 | 7 38.90 1.17 | 7 19.23 1.19 |
| 13.0 | | 8 39.72 1.22 | 8 33.97 1.22 | 8 32.12 1.22 | 8 25.92 1.23 | 8 13.69 1.24 | 8 01.91 1.24 | 7 40.11 1.26 | 7 20.47 1.29 |
| 14.0 | | 8 40.98 1.31 | 8 35.24 1.31 | 8 33.38 1.31 | 8 27.20 1.32 | 8 14.97 1.33 | 8 03.20 1.34 | 7 41.42 1.36 | 7 21.81 1.38 |
| 15.0 | | 8 42.34 1.40 | 8 36.60 1.40 | 8 34.74 1.40 | 8 28.56 1.41 | 8 16.34 1.42 | 8 04.58 1.43 | 7 42.83 1.45 | 7 23.23 1.47 |
| 16.0 | | 8 43.78 1.49 | 8 38.04 1.49 | 8 36.19 1.49 | 8 30.01 1.50 | 8 17.80 1.50 | 8 06.05 1.51 | 7 44.32 1.54 | 7 24.75 1.57 |
| 17.0 | | 8 45.31 1.57 | 8 39.58 1.58 | 8 37.72 1.58 | 8 31.55 1.58 | 8 19.35 1.59 | 8 07.60 1.60 | 7 45.90 1.63 | 7 26.36 1.66 |
| 18.0 | | 8 46.93 1.66 | 8 41.20 1.66 | 8 39.34 1.66 | 8 33.18 1.67 | 8 20.99 1.68 | 8 09.25 1.69 | 7 47.57 1.71 | 7 28.06 1.74 |
| 19.0 | | 8 48.63 1.74 | 8 42.90 1.75 | 8 41.05 1.75 | 8 34.89 1.75 | 8 22.71 1.76 | 8 10.98 1.77 | 7 49.33 1.80 | 7 29.85 1.83 |
| 20.0 | | 8 50.41 1.83 | 8 44.69 1.83 | 8 42.84 1.83 | 8 36.68 1.84 | 8 24.51 1.85 | 8 12.80 1.86 | 7 51.17 1.88 | 7 31.73 1.92 |
| 21.0 | | 8 52.28 1.91 | 8 46.56 1.91 | 8 44.71 1.91 | 8 38.56 1.92 | 8 26.40 1.93 | 8 14.70 1.94 | 7 53.09 1.97 | 7 33.69 2.00 |
| 22.0 | | 8 54.23 1.99 | 8 48.51 1.99 | 8 46.66 1.99 | 8 40.52 2.00 | 8 28.37 2.01 | 8 16.68 2.02 | 7 55.10 2.05 | 7 35.73 2.08 |
| 23.0 | | 8 56.26 2.07 | 8 50.54 2.07 | 8 48.70 2.07 | 8 42.55 2.08 | 8 30.42 2.09 | 8 18.74 2.10 | 7 57.19 2.13 | 7 37.86 2.17 |
| 24.0 | | 8 58.37 2.15 | 8 52.65 2.15 | 8 50.81 2.15 | 8 44.67 2.16 | 8 32.55 2.17 | 8 20.88 2.18 | 7 59.36 2.21 | 7 40.06 2.25 |
| 25.0 | | 9 00.55 2.22 | 8 54.84 2.23 | 8 53.00 2.23 | 8 46.87 2.23 | 8 34.75 2.24 | 8 23.10 2.26 | 8 01.61 2.29 | 7 42.35 2.32 |

| PcP | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 9 00.55 2.22 | 8 54.84 2.23 | 8 53.00 2.23 | 8 46.87 2.23 | 8 34.75 2.24 | 8 23.10 2.26 | 8 01.61 2.29 | 7 42.35 2.32 |
| 26.0 | | 9 02.81 2.30 | 8 57.10 2.30 | 8 55.26 2.30 | 8 49.14 2.31 | 8 37.03 2.32 | 8 25.39 2.33 | 8 03.94 2.36 | 7 44.71 2.40 |
| 27.0 | | 9 05.15 2.37 | 8 59.44 2.37 | 8 57.60 2.38 | 8 51.48 2.38 | 8 39.39 2.39 | 8 27.77 2.41 | 8 06.34 2.44 | 7 47.15 2.48 |
| 28.0 | | 9 07.55 2.44 | 9 01.85 2.45 | 9 00.01 2.45 | 8 53.90 2.45 | 8 41.82 2.47 | 8 30.21 2.48 | 8 08.82 2.51 | 7 49.66 2.55 |
| 29.0 | | 9 10.03 2.51 | 9 04.33 2.52 | 9 02.50 2.52 | 8 56.39 2.53 | 8 44.33 2.54 | 8 32.73 2.55 | 8 11.36 2.58 | 7 52.25 2.62 |
| 30.0 | | 9 12.58 2.58 | 9 06.88 2.59 | 9 05.05 2.59 | 8 58.95 2.60 | 8 46.90 2.61 | 8 35.31 2.62 | 8 13.98 2.65 | 7 54.90 2.69 |
| 31.0 | | 9 15.20 2.65 | 9 09.51 2.66 | 9 07.68 2.66 | 9 01.58 2.66 | 8 49.54 2.68 | 8 37.97 2.69 | 8 16.67 2.72 | 7 57.63 2.76 |
| 32.0 | | 9 17.89 2.72 | 9 12.19 2.72 | 9 10.37 2.72 | 9 04.28 2.73 | 8 52.25 2.74 | 8 40.69 2.76 | 8 19.42 2.79 | 8 00.42 2.83 |
| 33.0 | | 9 20.64 2.78 | 9 14.95 2.79 | 9 13.12 2.79 | 9 07.04 2.79 | 8 55.02 2.81 | 8 43.48 2.82 | 8 22.24 2.85 | 8 03.28 2.89 |
| 34.0 | | 9 23.45 2.85 | 9 17.77 2.85 | 9 15.94 2.85 | 9 09.86 2.86 | 8 57.86 2.87 | 8 46.33 2.88 | 8 25.13 2.92 | 8 06.20 2.95 |
| 35.0 | | 9 26.33 2.91 | 9 20.65 2.91 | 9 18.83 2.91 | 9 12.75 2.92 | 9 00.77 2.93 | 8 49.25 2.95 | 8 28.08 2.98 | 8 09.19 3.02 |
| 36.0 | | 9 29.27 2.97 | 9 23.59 2.97 | 9 21.77 2.97 | 9 15.70 2.98 | 9 03.73 2.99 | 8 52.23 3.01 | 8 31.08 3.04 | 8 12.24 3.08 |
| 37.0 | | 9 32.27 3.03 | 9 26.59 3.03 | 9 24.78 3.03 | 9 18.72 3.04 | 9 06.75 3.05 | 8 55.26 3.07 | 8 34.15 3.10 | 8 15.34 3.14 |
| 38.0 | | 9 35.33 3.09 | 9 29.66 3.09 | 9 27.84 3.09 | 9 21.78 3.10 | 9 09.83 3.11 | 8 58.36 3.12 | 8 37.28 3.15 | 8 18.50 3.19 |
| 39.0 | | 9 38.44 3.14 | 9 32.77 3.15 | 9 30.96 3.15 | 9 24.91 3.15 | 9 12.97 3.17 | 9 01.51 3.18 | 8 40.46 3.21 | 8 21.72 3.25 |
| 40.0 | | 9 41.61 3.20 | 9 35.95 3.20 | 9 34.13 3.20 | 9 28.09 3.21 | 9 16.16 3.22 | 9 04.71 3.23 | 8 43.70 3.26 | 8 25.00 3.30 |
| 41.0 | | 9 44.84 3.25 | 9 39.17 3.25 | 9 37.36 3.25 | 9 31.32 3.26 | 9 19.41 3.27 | 9 07.97 3.29 | 8 46.99 3.32 | 8 28.32 3.35 |
| 42.0 | | 9 48.11 3.30 | 9 42.45 3.30 | 9 40.64 3.31 | 9 34.61 3.31 | 9 22.71 3.32 | 9 11.29 3.34 | 8 50.33 3.37 | 8 31.70 3.40 |
| 43.0 | | 9 51.44 3.35 | 9 45.78 3.36 | 9 43.97 3.36 | 9 37.95 3.36 | 9 26.06 3.37 | 9 14.65 3.39 | 8 53.72 3.42 | 8 35.13 3.45 |
| 44.0 | | 9 54.82 3.40 | 9 49.16 3.40 | 9 47.35 3.41 | 9 41.34 3.41 | 9 29.46 3.42 | 9 18.06 3.44 | 8 57.16 3.46 | 8 38.61 3.50 |
| 45.0 | | 9 58.24 3.45 | 9 52.59 3.45 | 9 50.78 3.45 | 9 44.77 3.46 | 9 32.90 3.47 | 9 21.52 3.48 | 9 00.65 3.51 | 8 42.13 3.54 |
| 46.0 | | 10 01.71 3.49 | 9 56.06 3.50 | 9 54.26 3.50 | 9 48.25 3.50 | 9 36.40 3.52 | 9 25.02 3.53 | 9 04.18 3.56 | 8 45.69 3.59 |
| 47.0 | | 10 05.23 3.54 | 9 59.58 3.54 | 9 57.78 3.54 | 9 51.78 3.55 | 9 39.93 3.56 | 9 28.57 3.57 | 9 07.76 3.60 | 8 49.31 3.63 |
| 48.0 | | 10 08.79 3.58 | 10 03.15 3.58 | 10 01.35 3.59 | 9 55.35 3.59 | 9 43.52 3.60 | 9 32.17 3.61 | 9 11.38 3.64 | 8 52.96 3.67 |
| 49.0 | | 10 12.39 3.62 | 10 06.75 3.63 | 10 04.95 3.63 | 9 58.96 3.63 | 9 47.14 3.64 | 9 35.80 3.66 | 9 15.04 3.68 | 8 56.65 3.71 |
| 50.0 | | 10 16.04 3.66 | 10 10.40 3.67 | 10 08.60 3.67 | 10 02.61 3.67 | 9 50.80 3.68 | 9 39.48 3.70 | 9 18.74 3.72 | 9 00.38 3.75 |

| PcP | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 50.0 | | 10 16.04 3.66 | 10 10.40 3.67 | 10 08.60 3.67 | 10 02.61 3.67 | 9 50.80 3.68 | 9 39.48 3.70 | 9 18.74 3.72 | 9 00.38 3.75 |
| 51.0 | | 10 19.72 3.70 | 10 14.09 3.71 | 10 12.29 3.71 | 10 06.31 3.71 | 9 54.51 3.72 | 9 43.19 3.73 | 9 22.48 3.76 | 9 04.15 3.79 |
| 52.0 | | 10 23.44 3.74 | 10 17.81 3.74 | 10 16.02 3.75 | 10 10.04 3.75 | 9 58.25 3.76 | 9 46.94 3.77 | 9 26.26 3.80 | 9 07.96 3.82 |
| 53.0 | | 10 27.20 3.78 | 10 21.57 3.78 | 10 19.78 3.78 | 10 13.81 3.79 | 10 02.03 3.80 | 9 50.73 3.81 | 9 30.07 3.83 | 9 11.80 3.86 |
| 54.0 | | 10 31.00 3.81 | 10 25.37 3.82 | 10 23.58 3.82 | 10 17.61 3.82 | 10 05.84 3.83 | 9 54.56 3.84 | 9 33.92 3.86 | 9 15.68 3.89 |
| 55.0 | | 10 34.83 3.85 | 10 29.20 3.85 | 10 27.41 3.85 | 10 21.45 3.86 | 10 09.69 3.86 | 9 58.41 3.87 | 9 37.80 3.90 | 9 19.59 3.92 |
| 56.0 | | 10 38.69 3.88 | 10 33.07 3.88 | 10 31.28 3.88 | 10 25.32 3.89 | 10 13.57 3.90 | 10 02.31 3.91 | 9 41.71 3.93 | 9 23.53 3.95 |
| 57.0 | | 10 42.59 3.91 | 10 36.97 3.91 | 10 35.18 3.92 | 10 29.23 3.92 | 10 17.48 3.93 | 10 06.23 3.94 | 9 45.66 3.96 | 9 27.50 3.98 |
| 58.0 | | 10 46.52 3.94 | 10 40.90 3.94 | 10 39.11 3.95 | 10 33.16 3.95 | 10 21.43 3.96 | 10 10.18 3.97 | 9 49.63 3.99 | 9 31.49 4.01 |
| 59.0 | | 10 50.48 3.97 | 10 44.86 3.97 | 10 43.07 3.98 | 10 37.13 3.98 | 10 25.40 3.99 | 10 14.16 4.00 | 9 53.63 4.02 | 9 35.52 4.04 |
| 60.0 | | 10 54.46 4.00 | 10 48.85 4.00 | 10 47.06 4.00 | 10 41.12 4.01 | 10 29.40 4.01 | 10 18.17 4.02 | 9 57.66 4.04 | 9 39.57 4.07 |
| 61.0 | | 10 58.47 4.03 | 10 52.86 4.03 | 10 51.08 4.03 | 10 45.14 4.03 | 10 33.43 4.04 | 10 22.21 4.05 | 10 01.72 4.07 | 9 43.65 4.09 |
| 62.0 | | 11 02.52 4.05 | 10 56.90 4.06 | 10 55.12 4.06 | 10 49.19 4.06 | 10 37.48 4.07 | 10 26.27 4.07 | 10 05.80 4.09 | 9 47.75 4.11 |
| 63.0 | | 11 06.58 4.08 | 11 00.97 4.08 | 10 59.19 4.08 | 10 53.26 4.08 | 10 41.56 4.09 | 10 30.36 4.10 | 10 09.90 4.12 | 9 51.88 4.14 |
| 64.0 | | 11 10.67 4.10 | 11 05.06 4.10 | 11 03.28 4.10 | 10 57.36 4.11 | 10 45.67 4.11 | 10 34.47 4.12 | 10 14.03 4.14 | 9 56.03 4.16 |
| 65.0 | | 11 14.78 4.12 | 11 09.18 4.13 | 11 07.40 4.13 | 11 01.47 4.13 | 10 49.79 4.14 | 10 38.60 4.14 | 10 18.18 4.16 | 10 00.20 4.18 |
| 66.0 | | 11 18.92 4.15 | 11 13.32 4.15 | 11 11.54 4.15 | 11 05.62 4.15 | 10 53.94 4.16 | 10 42.76 4.17 | 10 22.35 4.18 | 10 04.39 4.20 |
| 67.0 | | 11 23.08 4.17 | 11 17.47 4.17 | 11 15.70 4.17 | 11 09.78 4.17 | 10 58.11 4.18 | 10 46.93 4.19 | 10 26.54 4.20 | 10 08.59 4.22 |
| 68.0 | | 11 27.26 4.19 | 11 21.65 4.19 | 11 19.88 4.19 | 11 13.96 4.19 | 11 02.30 4.20 | 10 51.13 4.20 | 10 30.75 4.22 | 10 12.82 4.24 |
| 69.0 | | 11 31.45 4.21 | 11 25.85 4.21 | 11 24.08 4.21 | 11 18.16 4.21 | 11 06.51 4.22 | 10 55.34 4.22 | 10 34.98 4.24 | 10 17.06 4.25 |
| 70.0 | | 11 35.67 4.22 | 11 30.07 4.23 | 11 28.29 4.23 | 11 22.38 4.23 | 11 10.73 4.23 | 10 59.57 4.24 | 10 39.23 4.25 | 10 21.32 4.27 |
| 71.0 | | 11 39.90 4.24 | 11 34.30 4.24 | 11 32.53 4.24 | 11 26.62 4.25 | 11 14.97 4.25 | 11 03.82 4.26 | 10 43.49 4.27 | 10 25.60 4.28 |
| 72.0 | | 11 44.15 4.26 | 11 38.56 4.26 | 11 36.78 4.26 | 11 30.88 4.26 | 11 19.23 4.27 | 11 08.09 4.27 | 10 47.76 4.28 | 10 29.89 4.30 |
| 73.0 | | 11 48.42 4.27 | 11 42.82 4.27 | 11 41.05 4.28 | 11 35.15 4.28 | 11 23.51 4.28 | 11 12.37 4.29 | 10 52.05 4.30 | 10 34.19 4.31 |
| 74.0 | | 11 52.70 4.29 | 11 47.10 4.29 | 11 45.33 4.29 | 11 39.43 4.29 | 11 27.80 4.30 | 11 16.66 4.30 | 10 56.36 4.31 | 10 38.51 4.32 |
| 75.0 | | 11 56.99 4.30 | 11 51.40 4.30 | 11 49.63 4.30 | 11 43.73 4.31 | 11 32.10 4.31 | 11 20.97 4.31 | 11 00.68 4.32 | 10 42.84 4.34 |

| PcP Δ | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. | |
| | m s | m s | m s | m s | m s | m s | m s | m s | |
| 75.0 | 11 56.99 4.30 | 11 51.40 4.30 | 11 49.63 4.30 | 11 43.73 4.31 | 11 32.10 4.31 | 11 20.97 4.31 | 11 00.68 4.32 | 10 42.84 4.34 | |
| 76.0 | 12 01.30 4.32 | 11 55.71 4.32 | 11 53.94 4.32 | 11 48.04 4.32 | 11 36.42 4.32 | 11 25.29 4.33 | 11 05.01 4.34 | 10 47.18 4.35 | |
| 77.0 | 12 05.62 4.33 | 12 00.03 4.33 | 11 58.26 4.33 | 11 52.37 4.33 | 11 40.75 4.33 | 11 29.62 4.34 | 11 09.35 4.35 | 10 51.53 4.36 | |
| 78.0 | 12 09.96 4.34 | 12 04.37 4.34 | 12 02.60 4.34 | 11 56.70 4.34 | 11 45.09 4.35 | 11 33.97 4.35 | 11 13.70 4.36 | 10 55.90 4.37 | |
| 79.0 | 12 14.30 4.35 | 12 08.71 4.35 | 12 06.94 4.35 | 12 01.05 4.35 | 11 49.44 4.36 | 11 38.32 4.36 | 11 18.06 4.37 | 11 00.27 4.38 | |
| 80.0 | 12 18.66 4.36 | 12 13.07 4.36 | 12 11.30 4.36 | 12 05.41 4.36 | 11 53.80 4.37 | 11 42.69 4.37 | 11 22.43 4.38 | 11 04.65 4.38 | |
| 81.0 | 12 23.02 4.37 | 12 17.43 4.37 | 12 15.67 4.37 | 12 09.78 4.37 | 11 58.17 4.37 | 11 47.06 4.38 | 11 26.82 4.38 | 11 09.04 4.39 | |
| 82.0 | 12 27.40 4.38 | 12 21.81 4.38 | 12 20.04 4.38 | 12 14.15 4.38 | 12 02.55 4.38 | 11 51.44 4.39 | 11 31.20 4.39 | 11 13.43 4.40 | |
| 83.0 | 12 31.78 4.39 | 12 26.19 4.39 | 12 24.42 4.39 | 12 18.54 4.39 | 12 06.94 4.39 | 11 55.83 4.39 | 11 35.60 4.40 | 11 17.83 4.41 | |
| 84.0 | 12 36.17 4.39 | 12 30.58 4.39 | 12 28.82 4.39 | 12 22.93 4.40 | 12 11.33 4.40 | 12 00.23 4.40 | 11 40.00 4.41 | 11 22.24 4.41 | |
| 85.0 | 12 40.57 4.40 | 12 34.98 4.40 | 12 33.21 4.40 | 12 27.33 4.40 | 12 15.73 4.40 | 12 04.63 4.41 | 11 44.41 4.41 | 11 26.66 4.42 | |
| 86.0 | 12 44.97 4.41 | 12 39.39 4.41 | 12 37.62 4.41 | 12 31.74 4.41 | 12 20.14 4.41 | 12 09.04 4.41 | 11 48.83 4.42 | 11 31.08 4.42 | |
| 87.0 | 12 49.38 4.41 | 12 43.80 4.41 | 12 42.03 4.41 | 12 36.15 4.41 | 12 24.55 4.42 | 12 13.46 4.42 | 11 53.25 4.42 | 11 35.50 4.43 | |
| 88.0 | 12 53.80 4.42 | 12 48.21 4.42 | 12 46.45 4.42 | 12 40.57 4.42 | 12 28.97 4.42 | 12 17.88 4.42 | 11 57.67 4.43 | 11 39.93 4.43 | |
| 89.0 | 12 58.22 4.42 | 12 52.63 4.42 | 12 50.87 4.42 | 12 44.99 4.42 | 12 33.40 4.43 | 12 22.30 4.43 | 12 02.10 4.43 | 11 44.36 4.43 | |
| 90.0 | 13 02.64 4.43 | 12 57.06 4.43 | 12 55.29 4.43 | 12 49.41 4.43 | 12 37.82 4.43 | 12 26.73 4.43 | 12 06.53 4.43 | 11 48.80 4.44 | |
| 91.0 | 13 07.07 4.43 | 13 01.49 4.43 | 12 59.72 4.43 | 12 53.84 4.43 | 12 42.26 4.43 | 12 31.17 4.43 | 12 10.97 4.44 | 11 53.24 4.44 | |
| 92.0 | 13 11.51 4.43 | 13 05.92 4.43 | 13 04.16 4.43 | 12 58.28 4.44 | 12 46.69 4.44 | 12 35.60 4.44 | 12 15.40 4.44 | 11 57.68 4.44 | |
| 93.0 | 13 15.94 4.44 | 13 10.36 4.44 | 13 08.59 4.44 | 13 02.72 4.44 | 12 51.13 4.44 | 12 40.04 4.44 | 12 19.84 4.44 | 12 02.12 4.44 | |
| 94.0 | 13 20.38 4.44 | 13 14.80 4.44 | 13 13.03 4.44 | 13 07.15 4.44 | 12 55.57 4.44 | 12 44.48 4.44 | 12 24.29 4.44 | 12 06.56 4.44 | |
| 95.0 | 13 24.82 4.44 | 13 19.24 4.44 | 13 17.47 4.44 | 13 11.60 4.44 | 13 00.01 4.44 | 12 48.92 4.44 | 12 28.73 4.44 | 12 11.01 4.45 | |
| 96.0 | 13 29.26 4.44 | 13 23.68 4.44 | 13 21.92 4.44 | 13 16.04 4.44 | 13 04.45 4.44 | 12 53.37 4.44 | 12 33.17 4.45 | 12 15.45 4.45 | |
| 97.0 | 13 33.71 4.44 | 13 28.13 4.44 | 13 26.36 4.44 | 13 20.48 4.44 | 13 08.90 4.44 | 12 57.81 4.45 | 12 37.62 4.45 | 12 15.45 4.45 | |
| 98.0 | 13 38.15 4.45 | 13 32.57 4.45 | 13 30.80 4.45 | 13 24.93 4.45 | 13 13.34 4.45 | 13 02.26 4.45 | 12 37.62 4.45 | 12 15.45 4.45 | |

ScS

| CS Δ | Depth of source [km] | | | | | | | | | | | | | | | |
|---------|----------------------|---------------|-----|---------------|-----|---------------|------|---------------|------|---------------|------|---------------|------|---------------|------|---------------|
| | 0. | | 35. | | 50. | | 100. | | 200. | | 300. | | 500. | | 700. | |
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 0.0 | 15 | 35.78 0.00 | 15 | 26.11 0.00 | 15 | 22.76 0.00 | 15 | 11.62 0.00 | 14 | 49.43 0.00 | 14 | 27.65 0.00 | 13 | 47.22 0.00 | 13 | 11.14 0.00 |
| 1.0 | 15 | 35.87 0.18 | 15 | 26.20 0.18 | 15 | 22.85 0.18 | 15 | 11.71 0.18 | 14 | 49.52 0.18 | 14 | 27.74 0.18 | 13 | 47.31 0.18 | 13 | 11.24 0.19 |
| 2.0 | 15 | 36.14 0.35 | 15 | 26.46 0.35 | 15 | 23.12 0.35 | 15 | 11.98 0.36 | 14 | 49.79 0.36 | 14 | 28.01 0.36 | 13 | 47.58 0.37 | 13 | 11.52 0.37 |
| 3.0 | 15 | 36.58 0.53 | 15 | 26.91 0.53 | 15 | 23.56 0.53 | 15 | 12.43 0.53 | 14 | 50.24 0.54 | 14 | 28.46 0.54 | 13 | 48.04 0.55 | 13 | 11.99 0.56 |
| 4.0 | 15 | 37.20 0.71 | 15 | 27.53 0.71 | 15 | 24.18 0.71 | 15 | 13.05 0.71 | 14 | 50.86 0.72 | 14 | 29.10 0.72 | 13 | 48.68 0.73 | 13 | 12.64 0.75 |
| 5.0 | 15 | 37.99 0.88 | 15 | 28.32 0.88 | 15 | 24.98 0.89 | 15 | 13.85 0.89 | 14 | 51.67 0.89 | 14 | 29.91 0.90 | 13 | 49.51 0.92 | 13 | 13.48 0.93 |
| 6.0 | 15 | 38.96 1.06 | 15 | 29.29 1.06 | 15 | 25.95 1.06 | 15 | 14.82 1.06 | 14 | 52.65 1.07 | 14 | 30.90 1.08 | 13 | 50.51 1.10 | 13 | 14.51 1.12 |
| 7.0 | 15 | 40.11 1.23 | 15 | 30.44 1.23 | 15 | 27.10 1.24 | 15 | 15.98 1.24 | 14 | 53.81 1.25 | 14 | 32.06 1.26 | 13 | 51.70 1.28 | 13 | 15.72 1.30 |
| 8.0 | 15 | 41.43 1.41 | 15 | 31.76 1.41 | 15 | 28.42 1.41 | 15 | 17.30 1.41 | 14 | 55.15 1.42 | 14 | 33.41 1.43 | 13 | 53.07 1.46 | 13 | 17.11 1.49 |
| 9.0 | 15 | 42.92 1.58 | 15 | 33.26 1.58 | 15 | 29.92 1.58 | 15 | 18.80 1.59 | 14 | 56.66 1.60 | 14 | 34.93 1.61 | 13 | 54.62 1.63 | 13 | 18.69 1.67 |
| 10.0 | 15 | 44.58 1.75 | 15 | 34.92 1.75 | 15 | 31.58 1.75 | 15 | 20.48 1.76 | 14 | 58.34 1.77 | 14 | 36.63 1.78 | 13 | 56.34 1.81 | 13 | 20.45 1.85 |
| 11.0 | 15 | 46.42 1.92 | 15 | 36.76 1.92 | 15 | 33.42 1.92 | 15 | 22.32 1.93 | 15 | 00.20 1.94 | 14 | 38.50 1.96 | 13 | 58.24 1.99 | 13 | 22.39 2.03 |
| 12.0 | 15 | 48.42 2.09 | 15 | 38.77 2.09 | 15 | 35.43 2.09 | 15 | 24.33 2.10 | 15 | 02.23 2.11 | 14 | 40.54 2.13 | 14 | 00.31 2.16 | 13 | 24.50 2.20 |
| 13.0 | 15 | 50.59 2.25 | 15 | 40.94 2.26 | 15 | 37.61 2.26 | 15 | 26.52 2.27 | 15 | 04.42 2.28 | 14 | 42.75 2.30 | 14 | 02.56 2.33 | 13 | 26.79 2.38 |
| 14.0 | 15 | 52.93 2.42 | 15 | 43.28 2.42 | 15 | 39.95 2.43 | 15 | 28.87 2.43 | 15 | 06.79 2.45 | 14 | 45.13 2.46 | 14 | 04.98 2.50 | 13 | 29.26 2.55 |
| 15.0 | 15 | 55.43 2.58 | 15 | 45.79 2.59 | 15 | 42.46 2.59 | 15 | 31.38 2.60 | 15 | 09.32 2.61 | 14 | 47.68 2.63 | 14 | 07.57 2.67 | 13 | 31.89 2.72 |
| 16.0 | 15 | 58.09 2.74 | 15 | 48.45 2.75 | 15 | 45.13 2.75 | 15 | 34.06 2.76 | 15 | 12.01 2.78 | 14 | 50.39 2.80 | 14 | 10.32 2.84 | 13 | 34.70 2.89 |
| 17.0 | 16 | 00.92 2.90 | 15 | 51.28 2.91 | 15 | 47.96 2.91 | 15 | 36.90 2.92 | 15 | 14.87 2.94 | 14 | 53.27 2.96 | 14 | 13.24 3.00 | 13 | 37.67 3.06 |
| 18.0 | 16 | 03.90 3.06 | 15 | 54.27 3.07 | 15 | 50.95 3.07 | 15 | 39.90 3.08 | 15 | 17.89 3.10 | 14 | 56.31 3.12 | 14 | 16.32 3.16 | 13 | 40.81 3.22 |
| 19.0 | 16 | 07.04 3.22 | 15 | 57.42 3.22 | 15 | 54.10 3.23 | 15 | 43.06 3.24 | 15 | 21.07 3.25 | 14 | 59.50 3.28 | 14 | 19.57 3.32 | 13 | 44.12 3.38 |
| 20.0 | 16 | 10.33 3.37 | 16 | 00.72 3.38 | 15 | 57.40 3.38 | 15 | 46.37 3.39 | 15 | 24.40 3.41 | 15 | 02.86 3.43 | 14 | 22.97 3.48 | 13 | 47.58 3.54 |
| 21.0 | 16 | 13.78 3.52 | 16 | 04.17 3.53 | 16 | 00.86 3.53 | 15 | 49.84 3.54 | 15 | 27.88 3.56 | 15 | 06.36 3.58 | 14 | 26.53 3.64 | 13 | 51.20 3.70 |
| 22.0 | 16 | 17.38 3.67 | 16 | 07.77 3.68 | 16 | 04.46 3.68 | 15 | 53.45 3.69 | 15 | 31.52 3.71 | 15 | 10.02 3.73 | 14 | 30.24 3.79 | 13 | 54.97 3.85 |
| 23.0 | 16 | 21.12 3.82 | 16 | 11.52 3.82 | 16 | 08.22 3.83 | 15 | 57.22 3.84 | 15 | 35.31 3.86 | 15 | 13.83 3.88 | 14 | 34.10 3.94 | 13 | 58.90 4.00 |
| 24.0 | 16 | 25.01 3.96 | 16 | 15.42 3.97 | 16 | 12.12 3.97 | 16 | 01.13 3.98 | 15 | 39.24 4.01 | 15 | 17.79 4.03 | 14 | 38.11 4.08 | 14 | 02.98 4.15 |
| 25.0 | 16 | 29.05 4.10 | 16 | 19.46 4.11 | 16 | 16.16 4.11 | 16 | 05.18 4.13 | 15 | 43.32 4.15 | 15 | 21.89 4.17 | 14 | 42.27 4.23 | 14 | 07.20 4.30 |

| ScS | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 16 29.05 4.10 | 16 19.46 4.11 | 16 16.16 4.11 | 16 05.18 4.13 | 15 43.32 4.15 | 15 21.89 4.17 | 14 42.27 4.23 | 14 07.20 4.30 |
| 26.0 | | 16 33.22 4.24 | 16 23.64 4.25 | 16 20.34 4.25 | 16 09.38 4.26 | 15 47.54 4.29 | 15 26.13 4.31 | 14 46.57 4.37 | 14 11.57 4.44 |
| 27.0 | | 16 37.54 4.38 | 16 27.96 4.39 | 16 24.67 4.39 | 16 13.71 4.40 | 15 51.89 4.43 | 15 30.51 4.45 | 14 51.00 4.51 | 14 16.08 4.58 |
| 28.0 | | 16 41.98 4.52 | 16 32.41 4.52 | 16 29.12 4.53 | 16 18.18 4.54 | 15 56.39 4.56 | 15 35.03 4.59 | 14 55.58 4.64 | 14 20.73 4.71 |
| 29.0 | | 16 46.57 4.65 | 16 37.00 4.65 | 16 33.72 4.66 | 16 22.78 4.67 | 16 01.01 4.69 | 15 39.68 4.72 | 15 00.29 4.78 | 14 25.51 4.85 |
| 30.0 | | 16 51.28 4.78 | 16 41.72 4.78 | 16 38.44 4.79 | 16 27.51 4.80 | 16 05.77 4.82 | 15 44.47 4.85 | 15 05.13 4.91 | 14 30.42 4.98 |
| 31.0 | | 16 56.12 4.90 | 16 46.57 4.91 | 16 43.29 4.91 | 16 32.38 4.92 | 16 10.65 4.95 | 15 49.38 4.97 | 15 10.10 5.03 | 14 35.46 5.11 |
| 32.0 | | 17 01.08 5.03 | 16 51.54 5.03 | 16 48.26 5.04 | 16 37.36 5.05 | 16 15.66 5.07 | 15 54.41 5.10 | 15 15.19 5.16 | 14 40.63 5.23 |
| 33.0 | | 17 06.17 5.15 | 16 56.63 5.15 | 16 53.36 5.16 | 16 42.47 5.17 | 16 20.80 5.19 | 15 59.57 5.22 | 15 20.41 5.28 | 14 45.92 5.35 |
| 34.0 | | 17 11.38 5.27 | 17 01.84 5.27 | 16 58.57 5.28 | 16 47.70 5.29 | 16 26.05 5.31 | 16 04.85 5.34 | 15 25.75 5.40 | 14 51.33 5.47 |
| 35.0 | | 17 16.70 5.38 | 17 07.17 5.39 | 17 03.91 5.39 | 16 53.04 5.40 | 16 31.42 5.43 | 16 10.24 5.45 | 15 31.21 5.51 | 14 56.86 5.58 |
| 36.0 | | 17 22.14 5.49 | 17 12.62 5.50 | 17 09.36 5.50 | 16 58.50 5.52 | 16 36.90 5.54 | 16 15.75 5.57 | 15 36.77 5.62 | 15 02.50 5.70 |
| 37.0 | | 17 27.69 5.60 | 17 18.17 5.61 | 17 14.91 5.61 | 17 04.07 5.63 | 16 42.50 5.65 | 16 21.37 5.68 | 15 42.45 5.73 | 15 08.25 5.81 |
| 38.0 | | 17 33.34 5.71 | 17 23.84 5.72 | 17 20.58 5.72 | 17 09.75 5.73 | 16 48.20 5.76 | 16 27.10 5.78 | 15 48.24 5.84 | 15 14.11 5.91 |
| 39.0 | | 17 39.11 5.82 | 17 29.61 5.82 | 17 26.36 5.83 | 17 15.54 5.84 | 16 54.01 5.86 | 16 32.94 5.89 | 15 54.13 5.95 | 15 20.08 6.02 |
| 40.0 | | 17 44.98 5.92 | 17 35.48 5.93 | 17 32.24 5.93 | 17 21.43 5.94 | 16 59.93 5.96 | 16 38.88 5.99 | 16 00.13 6.05 | 15 26.15 6.12 |
| 41.0 | | 17 50.95 6.02 | 17 41.46 6.02 | 17 38.21 6.03 | 17 27.42 6.04 | 17 05.94 6.06 | 16 44.92 6.09 | 16 06.23 6.14 | 15 32.31 6.21 |
| 42.0 | | 17 57.01 6.12 | 17 47.53 6.12 | 17 44.29 6.13 | 17 33.51 6.14 | 17 12.05 6.16 | 16 51.05 6.18 | 16 12.42 6.24 | 15 38.57 6.31 |
| 43.0 | | 18 03.18 6.21 | 17 53.70 6.22 | 17 50.46 6.22 | 17 39.69 6.23 | 17 18.26 6.25 | 16 57.28 6.28 | 16 18.71 6.33 | 15 44.93 6.40 |
| 44.0 | | 18 09.43 6.30 | 17 59.96 6.31 | 17 56.73 6.31 | 17 45.97 6.32 | 17 24.56 6.34 | 17 03.61 6.37 | 16 25.08 6.42 | 15 51.37 6.49 |
| 45.0 | | 18 15.78 6.39 | 18 06.32 6.40 | 18 03.08 6.40 | 17 52.34 6.41 | 17 30.95 6.43 | 17 10.02 6.46 | 16 31.55 6.51 | 15 57.91 6.58 |
| 46.0 | | 18 22.21 6.48 | 18 12.76 6.48 | 18 09.53 6.49 | 17 58.79 6.50 | 17 37.42 6.52 | 17 16.52 6.54 | 16 38.10 6.60 | 16 04.53 6.66 |
| 47.0 | | 18 28.73 6.56 | 18 19.28 6.57 | 18 16.06 6.57 | 18 05.33 6.58 | 17 43.98 6.60 | 17 23.10 6.63 | 16 44.74 6.68 | 16 11.23 6.74 |
| 48.0 | | 18 35.34 6.64 | 18 25.89 6.65 | 18 22.67 6.65 | 18 11.95 6.66 | 17 50.63 6.68 | 17 29.77 6.71 | 16 51.46 6.76 | 16 18.01 6.82 |
| 49.0 | | 18 42.02 6.72 | 18 32.58 6.73 | 18 29.36 6.73 | 18 18.65 6.74 | 17 57.35 6.76 | 17 36.51 6.78 | 16 58.25 6.83 | 16 24.86 6.90 |
| 50.0 | | 18 48.78 6.80 | 18 39.35 6.80 | 18 36.13 6.81 | 18 25.43 6.82 | 18 04.15 6.84 | 17 43.33 6.86 | 17 05.12 6.91 | 16 31.80 6.97 |

| ScS | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 50.0 | | 18 48.78 6.80 | 18 39.35 6.80 | 18 36.13 6.81 | 18 25.43 6.82 | 18 04.15 6.84 | 17 43.33 6.86 | 17 05.12 6.91 | 16 31.80 6.97 |
| 51.0 | | 18 55.62 6.87 | 18 46.19 6.88 | 18 42.97 6.88 | 18 32.29 6.89 | 18 11.02 6.91 | 17 50.23 6.93 | 17 12.07 6.98 | 16 38.80 7.04 |
| 52.0 | | 19 02.53 6.95 | 18 53.10 6.95 | 18 49.89 6.95 | 18 39.21 6.96 | 18 17.97 6.98 | 17 57.20 7.00 | 17 19.09 7.05 | 16 45.87 7.11 |
| 53.0 | | 19 09.51 7.02 | 19 00.09 7.02 | 18 56.88 7.02 | 18 46.21 7.03 | 18 24.99 7.05 | 18 04.24 7.07 | 17 26.17 7.12 | 16 53.01 7.17 |
| 54.0 | | 19 16.56 7.08 | 19 07.14 7.09 | 19 03.94 7.09 | 18 53.28 7.10 | 18 32.07 7.12 | 18 11.34 7.14 | 17 33.32 7.18 | 17 00.22 7.24 |
| 55.0 | | 19 23.67 7.15 | 19 14.26 7.15 | 19 11.06 7.16 | 19 00.41 7.16 | 18 39.22 7.18 | 18 18.51 7.20 | 17 40.53 7.25 | 17 07.49 7.30 |
| 56.0 | | 19 30.85 7.21 | 19 21.45 7.22 | 19 18.25 7.22 | 19 07.61 7.23 | 18 46.44 7.24 | 18 25.74 7.26 | 17 47.81 7.31 | 17 14.81 7.36 |
| 57.0 | | 19 38.09 7.27 | 19 28.69 7.28 | 19 25.50 7.28 | 19 14.86 7.29 | 18 53.71 7.30 | 18 33.04 7.32 | 17 55.14 7.36 | 17 22.20 7.41 |
| 58.0 | | 19 45.39 7.33 | 19 36.00 7.33 | 19 32.80 7.34 | 19 22.18 7.35 | 19 01.04 7.36 | 18 40.39 7.38 | 18 02.54 7.42 | 17 29.64 7.47 |
| 59.0 | | 19 52.75 7.39 | 19 43.36 7.39 | 19 40.17 7.39 | 19 29.55 7.40 | 19 08.43 7.42 | 18 47.79 7.43 | 18 09.98 7.47 | 17 37.14 7.52 |
| 60.0 | | 20 00.17 7.44 | 19 50.78 7.45 | 19 47.59 7.45 | 19 36.98 7.46 | 19 15.88 7.47 | 18 55.26 7.49 | 18 17.48 7.53 | 17 44.68 7.57 |
| 61.0 | | 20 07.63 7.49 | 19 58.25 7.50 | 19 55.06 7.50 | 19 44.46 7.51 | 19 23.38 7.52 | 19 02.77 7.54 | 18 25.03 7.58 | 17 52.28 7.62 |
| 62.0 | | 20 15.15 7.54 | 20 05.77 7.55 | 20 02.59 7.55 | 19 51.99 7.56 | 19 30.92 7.57 | 19 10.33 7.59 | 18 32.63 7.62 | 17 59.92 7.67 |
| 63.0 | | 20 22.72 7.59 | 20 13.35 7.60 | 20 10.16 7.60 | 19 59.58 7.61 | 19 38.52 7.62 | 19 17.94 7.63 | 18 40.28 7.67 | 18 07.61 7.71 |
| 64.0 | | 20 30.34 7.64 | 20 20.97 7.64 | 20 17.78 7.64 | 20 07.20 7.65 | 19 46.16 7.67 | 19 25.60 7.68 | 18 47.97 7.71 | 18 15.34 7.75 |
| 65.0 | | 20 38.00 7.68 | 20 28.63 7.69 | 20 25.45 7.69 | 20 14.88 7.70 | 19 53.85 7.71 | 19 33.30 7.72 | 18 55.70 7.76 | 18 23.11 7.79 |
| 66.0 | | 20 45.70 7.73 | 20 36.34 7.73 | 20 33.16 7.73 | 20 22.60 7.74 | 20 01.58 7.75 | 19 41.05 7.76 | 19 03.48 7.80 | 18 30.93 7.83 |
| 67.0 | | 20 53.45 7.77 | 20 44.09 7.77 | 20 40.91 7.77 | 20 30.35 7.78 | 20 09.35 7.79 | 19 48.83 7.80 | 19 11.29 7.83 | 18 38.78 7.87 |
| 68.0 | | 21 01.24 7.81 | 20 51.88 7.81 | 20 48.71 7.81 | 20 38.15 7.82 | 20 17.16 7.83 | 19 56.66 7.84 | 19 19.15 7.87 | 18 46.66 7.90 |
| 69.0 | | 21 09.06 7.84 | 20 59.71 7.85 | 20 56.54 7.85 | 20 45.99 7.85 | 20 25.01 7.87 | 20 04.52 7.88 | 19 27.03 7.91 | 18 54.58 7.94 |
| 70.0 | | 21 16.93 7.88 | 21 07.58 7.88 | 21 04.40 7.89 | 20 53.86 7.89 | 20 32.89 7.90 | 20 12.41 7.91 | 19 34.96 7.94 | 19 02.54 7.97 |
| 71.0 | | 21 24.82 7.91 | 21 15.48 7.92 | 21 12.31 7.92 | 21 01.77 7.92 | 20 40.81 7.93 | 20 20.34 7.95 | 19 42.91 7.97 | 19 10.52 8.00 |
| 72.0 | | 21 32.76 7.95 | 21 23.41 7.95 | 21 20.24 7.95 | 21 09.71 7.96 | 20 48.76 7.97 | 20 28.30 7.98 | 19 50.90 8.00 | 19 18.54 8.03 |
| 73.0 | | 21 40.72 7.98 | 21 31.38 7.98 | 21 28.21 7.98 | 21 17.68 7.99 | 20 56.75 8.00 | 20 36.30 8.01 | 19 58.91 8.03 | 19 26.58 8.06 |
| 74.0 | | 21 48.71 8.01 | 21 39.37 8.01 | 21 36.21 8.01 | 21 25.68 8.02 | 21 04.76 8.03 | 20 44.32 8.04 | 20 06.96 8.06 | 19 34.65 8.08 |
| 75.0 | | 21 56.73 8.04 | 21 47.40 8.04 | 21 44.23 8.04 | 21 33.71 8.04 | 21 12.80 8.05 | 20 52.36 8.06 | 20 15.02 8.08 | 19 42.74 8.11 |

| ScS | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 75.0 | | 21 56.73 8.04 | 21 47.40 8.04 | 21 44.23 8.04 | 21 33.71 8.04 | 21 12.80 8.05 | 20 52.36 8.06 | 20 15.02 8.08 | 19 42.74 8.11 |
| 76.0 | | 22 04.78 8.06 | 21 55.45 8.06 | 21 52.29 8.07 | 21 41.77 8.07 | 21 20.86 8.08 | 21 00.44 8.09 | 20 23.12 8.11 | 19 50.86 8.13 |
| 77.0 | | 22 12.86 8.09 | 22 03.53 8.09 | 22 00.36 8.09 | 21 49.85 8.09 | 21 28.95 8.10 | 21 08.54 8.11 | 20 31.24 8.13 | 19 59.00 8.15 |
| 78.0 | | 22 20.96 8.11 | 22 11.63 8.11 | 22 08.47 8.11 | 21 57.96 8.12 | 21 37.07 8.13 | 21 16.66 8.13 | 20 39.38 8.15 | 20 07.16 8.17 |
| 79.0 | | 22 29.08 8.13 | 22 19.75 8.14 | 22 16.59 8.14 | 22 06.09 8.14 | 21 45.20 8.15 | 21 24.80 8.15 | 20 47.54 8.17 | 20 15.34 8.19 |
| 80.0 | | 22 37.23 8.15 | 22 27.90 8.16 | 22 24.74 8.16 | 22 14.24 8.16 | 21 53.36 8.17 | 21 32.97 8.17 | 20 55.72 8.19 | 20 23.54 8.21 |
| 81.0 | | 22 45.39 8.17 | 22 36.07 8.18 | 22 32.91 8.18 | 22 22.41 8.18 | 22 01.54 8.19 | 21 41.15 8.19 | 21 03.92 8.21 | 20 31.76 8.22 |
| 82.0 | | 22 53.57 8.19 | 22 44.25 8.19 | 22 41.10 8.20 | 22 30.60 8.20 | 22 09.73 8.20 | 21 49.35 8.21 | 21 12.13 8.22 | 20 39.99 8.24 |
| 83.0 | | 23 01.78 8.21 | 22 52.45 8.21 | 22 49.30 8.21 | 22 38.81 8.22 | 22 17.95 8.22 | 21 57.57 8.23 | 21 20.36 8.24 | 20 48.23 8.25 |
| 84.0 | | 23 09.99 8.23 | 23 00.67 8.23 | 22 57.52 8.23 | 22 47.03 8.23 | 22 26.17 8.24 | 22 05.81 8.24 | 21 28.61 8.25 | 20 56.49 8.27 |
| 85.0 | | 23 18.23 8.24 | 23 08.91 8.24 | 23 05.76 8.24 | 22 55.27 8.25 | 22 34.42 8.25 | 22 14.05 8.25 | 21 36.87 8.26 | 21 04.76 8.28 |
| 86.0 | | 23 26.48 8.25 | 23 17.16 8.26 | 23 14.01 8.26 | 23 03.52 8.26 | 22 42.67 8.26 | 22 22.31 8.27 | 21 45.14 8.28 | 21 13.05 8.29 |
| 87.0 | | 23 34.74 8.27 | 23 25.42 8.27 | 23 22.27 8.27 | 23 11.79 8.27 | 22 50.94 8.27 | 22 30.59 8.28 | 21 53.42 8.29 | 21 21.34 8.30 |
| 88.0 | | 23 43.01 8.28 | 23 33.69 8.28 | 23 30.54 8.28 | 23 20.06 8.28 | 22 59.22 8.29 | 22 38.87 8.29 | 22 01.71 8.30 | 21 29.64 8.31 |
| 89.0 | | 23 51.29 8.29 | 23 41.98 8.29 | 23 38.83 8.29 | 23 28.35 8.29 | 23 07.51 8.30 | 22 47.17 8.30 | 22 10.01 8.31 | 21 37.95 8.31 |
| 90.0 | | 23 59.59 8.30 | 23 50.27 8.30 | 23 47.12 8.30 | 23 36.65 8.30 | 23 15.81 8.30 | 22 55.47 8.31 | 22 18.32 8.31 | 21 46.26 8.32 |
| 91.0 | | 24 07.89 8.31 | 23 58.58 8.31 | 23 55.43 8.31 | 23 44.95 8.31 | 23 24.12 8.31 | 23 03.78 8.31 | 22 26.64 8.32 | 21 54.59 8.33 |
| 92.0 | | 24 16.20 8.31 | 24 06.89 8.31 | 24 03.74 8.31 | 23 53.26 8.32 | 23 32.43 8.32 | 23 12.10 8.32 | 22 34.96 8.33 | 22 02.91 8.33 |
| 93.0 | | 24 24.52 8.32 | 24 15.21 8.32 | 24 12.06 8.32 | 24 01.58 8.32 | 23 40.76 8.32 | 23 20.42 8.33 | 22 43.29 8.33 | 22 11.25 8.33 |
| 94.0 | | 24 32.84 8.33 | 24 23.53 8.33 | 24 20.38 8.33 | 24 09.91 8.33 | 23 49.08 8.33 | 23 28.75 8.33 | 22 51.62 8.33 | 22 19.58 8.34 |
| 95.0 | | 24 41.17 8.33 | 24 31.86 8.33 | 24 28.71 8.33 | 24 18.24 8.33 | 23 57.41 8.33 | 23 37.08 8.33 | 22 59.95 8.34 | 22 27.92 8.34 |
| 96.0 | | 24 49.50 8.33 | 24 40.19 8.33 | 24 37.04 8.33 | 24 26.57 8.34 | 24 05.75 8.34 | 23 45.41 8.34 | 23 08.29 8.34 | 22 36.26 8.34 |
| 97.0 | | 24 57.84 8.34 | 24 48.53 8.34 | 24 45.38 8.34 | 24 34.91 8.34 | 24 14.08 8.34 | 23 53.75 8.34 | 23 16.63 8.34 | 22 44.60 8.34 |
| 98.0 | | 25 06.18 8.34 | 24 56.87 8.34 | 24 53.72 8.34 | 24 43.25 8.34 | 24 22.42 8.34 | 24 02.09 8.34 | 23 24.97 8.34 | 22 44.60 8.34 |

| ScP | Depth of source [km] | | | | | | | | |
|-------------|----------------------|----------|----------|----------|----------|----------|----------|----------|------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | 12 03.74 | 11 54.06 | 11 50.71 | 11 39.58 | 11 17.38 | 10 55.60 | 10 15.17 | 9 39.09 | |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.0 | 12 03.80 | 11 54.12 | 11 50.78 | 11 39.64 | 11 17.45 | 10 55.67 | 10 15.23 | 9 39.16 | |
| | 0.12 | 0.12 | 0.12 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 2.0 | 12 03.99 | 11 54.31 | 11 50.96 | 11 39.83 | 11 17.63 | 10 55.86 | 10 15.42 | 9 39.35 | |
| | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 | 0.26 |
| 3.0 | 12 04.30 | 11 54.62 | 11 51.27 | 11 40.14 | 11 17.95 | 10 56.17 | 10 15.74 | 9 39.68 | |
| | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 |
| 4.0 | 12 04.73 | 11 55.06 | 11 51.71 | 11 40.58 | 11 18.39 | 10 56.61 | 10 16.19 | 9 40.13 | |
| | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.51 | 0.52 | 0.52 |
| 5.0 | 12 05.29 | 11 55.62 | 11 52.27 | 11 41.14 | 11 18.95 | 10 57.18 | 10 16.76 | 9 40.71 | |
| | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.63 | 0.64 | 0.64 | 0.64 |
| 6.0 | 12 05.97 | 11 56.30 | 11 52.95 | 11 41.82 | 11 19.64 | 10 57.87 | 10 17.46 | 9 41.42 | |
| | 0.74 | 0.74 | 0.74 | 0.75 | 0.75 | 0.75 | 0.76 | 0.77 | 0.77 |
| 7.0 | 12 06.78 | 11 57.10 | 11 53.76 | 11 42.63 | 11 20.45 | 10 58.69 | 10 18.29 | 9 42.26 | |
| | 0.86 | 0.87 | 0.87 | 0.87 | 0.87 | 0.88 | 0.89 | 0.90 | 0.90 |
| 8.0 | 12 07.70 | 11 58.03 | 11 54.69 | 11 43.56 | 11 21.38 | 10 59.62 | 10 19.23 | 9 43.22 | |
| | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 | 1.01 | 1.02 | 1.02 |
| 9.0 | 12 08.75 | 11 59.08 | 11 55.73 | 11 44.61 | 11 22.44 | 11 00.68 | 10 20.31 | 9 44.30 | |
| | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 | 1.15 | 1.15 |
| 10.0 | 12 09.91 | 12 00.24 | 11 56.90 | 11 45.78 | 11 23.61 | 11 01.87 | 10 21.50 | 9 45.52 | |
| | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.24 | 1.26 | 1.27 | 1.27 |
| 11.0 | 12 11.20 | 12 01.53 | 11 58.19 | 11 47.07 | 11 24.91 | 11 03.17 | 10 22.82 | 9 46.85 | |
| | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.36 | 1.38 | 1.39 | 1.39 |
| 12.0 | 12 12.60 | 12 02.93 | 11 59.59 | 11 48.47 | 11 26.32 | 11 04.59 | 10 24.25 | 9 48.30 | |
| | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.48 | 1.50 | 1.51 | 1.51 |
| 13.0 | 12 14.12 | 12 04.45 | 12 01.11 | 11 50.00 | 11 27.85 | 11 06.13 | 10 25.81 | 9 49.88 | |
| | 1.57 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.61 | 1.63 | 1.63 |
| 14.0 | 12 15.75 | 12 06.09 | 12 02.75 | 11 51.64 | 11 29.50 | 11 07.78 | 10 27.48 | 9 51.57 | |
| | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.71 | 1.73 | 1.75 | 1.75 |
| 15.0 | 12 17.49 | 12 07.83 | 12 04.50 | 11 53.39 | 11 31.26 | 11 09.55 | 10 29.26 | 9 53.38 | |
| | 1.80 | 1.80 | 1.80 | 1.81 | 1.82 | 1.82 | 1.84 | 1.87 | 1.87 |
| 16.0 | 12 19.35 | 12 09.69 | 12 06.35 | 11 55.25 | 11 33.13 | 11 11.43 | 10 31.16 | 9 55.30 | |
| | 1.91 | 1.91 | 1.91 | 1.92 | 1.93 | 1.94 | 1.96 | 1.98 | 1.98 |
| 17.0 | 12 21.32 | 12 11.66 | 12 08.32 | 11 57.23 | 11 35.11 | 11 13.42 | 10 33.17 | 9 57.34 | |
| | 2.02 | 2.02 | 2.02 | 2.03 | 2.04 | 2.05 | 2.07 | 2.09 | 2.09 |
| 18.0 | 12 23.39 | 12 13.74 | 12 10.40 | 11 59.31 | 11 37.20 | 11 15.52 | 10 35.29 | 9 59.48 | |
| | 2.13 | 2.13 | 2.13 | 2.14 | 2.14 | 2.15 | 2.17 | 2.20 | 2.20 |
| 19.0 | 12 25.57 | 12 15.92 | 12 12.59 | 12 01.49 | 11 39.40 | 11 17.72 | 10 37.52 | 10 01.74 | |
| | 2.23 | 2.23 | 2.24 | 2.24 | 2.25 | 2.26 | 2.28 | 2.31 | 2.31 |
| 20.0 | 12 27.85 | 12 18.21 | 12 14.87 | 12 03.79 | 11 41.70 | 11 20.03 | 10 39.86 | 10 04.10 | |
| | 2.34 | 2.34 | 2.34 | 2.34 | 2.35 | 2.36 | 2.39 | 2.41 | 2.41 |
| 21.0 | 12 30.24 | 12 20.59 | 12 17.26 | 12 06.18 | 11 44.10 | 11 22.45 | 10 42.29 | 10 06.56 | |
| | 2.44 | 2.44 | 2.44 | 2.44 | 2.45 | 2.46 | 2.49 | 2.52 | 2.52 |
| 22.0 | 12 32.72 | 12 23.08 | 12 19.75 | 12 08.68 | 11 46.61 | 11 24.96 | 10 44.83 | 10 09.13 | |
| | 2.54 | 2.54 | 2.54 | 2.54 | 2.55 | 2.56 | 2.59 | 2.62 | 2.62 |
| 23.0 | 12 35.31 | 12 25.67 | 12 22.34 | 12 11.27 | 11 49.21 | 11 27.57 | 10 47.46 | 10 11.79 | |
| | 2.63 | 2.63 | 2.64 | 2.64 | 2.65 | 2.66 | 2.68 | 2.71 | 2.71 |
| 24.0 | 12 37.99 | 12 28.35 | 12 25.02 | 12 13.96 | 11 51.91 | 11 30.28 | 10 50.20 | 10 14.55 | |
| | 2.73 | 2.73 | 2.73 | 2.73 | 2.74 | 2.76 | 2.78 | 2.81 | 2.81 |
| 25.0 | 12 40.76 | 12 31.12 | 12 27.80 | 12 16.74 | 11 54.70 | 11 33.08 | 10 53.02 | 10 17.41 | |
| | 2.82 | 2.82 | 2.82 | 2.83 | 2.84 | 2.85 | 2.87 | 2.90 | 2.90 |

| ScP | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 25.0 | | 12 40.76 2.82 | 12 31.12 2.82 | 12 27.80 2.82 | 12 16.74 2.83 | 11 54.70 2.84 | 11 33.08 2.85 | 10 53.02 2.87 | 10 17.41 2.90 |
| 26.0 | | 12 43.62 2.91 | 12 33.99 2.91 | 12 30.67 2.91 | 12 19.61 2.92 | 11 57.58 2.93 | 11 35.97 2.94 | 10 55.94 2.96 | 10 20.35 2.99 |
| 27.0 | | 12 46.57 3.00 | 12 36.94 3.00 | 12 33.62 3.00 | 12 22.57 3.00 | 12 00.55 3.01 | 11 38.96 3.02 | 10 58.94 3.05 | 10 23.39 3.08 |
| 28.0 | | 12 49.61 3.08 | 12 39.99 3.08 | 12 36.66 3.08 | 12 25.62 3.09 | 12 03.61 3.10 | 11 42.02 3.11 | 11 02.03 3.13 | 10 26.51 3.16 |
| 29.0 | | 12 52.73 3.16 | 12 43.11 3.16 | 12 39.79 3.17 | 12 28.75 3.17 | 12 06.75 3.18 | 11 45.17 3.19 | 11 05.21 3.22 | 10 29.71 3.24 |
| 30.0 | | 12 55.94 3.24 | 12 46.31 3.24 | 12 43.00 3.25 | 12 31.96 3.25 | 12 09.97 3.26 | 11 48.40 3.27 | 11 08.46 3.29 | 10 33.00 3.32 |
| 31.0 | | 12 59.22 3.32 | 12 49.60 3.32 | 12 46.28 3.32 | 12 35.25 3.33 | 12 13.27 3.34 | 11 51.71 3.35 | 11 11.80 3.37 | 10 36.36 3.40 |
| 32.0 | | 13 02.57 3.39 | 12 52.96 3.40 | 12 49.64 3.40 | 12 38.61 3.40 | 12 16.64 3.41 | 11 55.10 3.42 | 11 15.21 3.45 | 10 39.79 3.47 |
| 33.0 | | 13 06.00 3.47 | 12 56.39 3.47 | 12 53.08 3.47 | 12 42.05 3.47 | 12 20.09 3.48 | 11 58.56 3.49 | 11 18.69 3.52 | 10 43.30 3.54 |
| 34.0 | | 13 09.50 3.54 | 12 59.89 3.54 | 12 56.58 3.54 | 12 45.56 3.54 | 12 23.61 3.55 | 12 02.09 3.56 | 11 22.24 3.58 | 10 46.88 3.61 |
| 35.0 | | 13 13.07 3.60 | 13 03.46 3.60 | 13 00.15 3.61 | 12 49.14 3.61 | 12 27.20 3.62 | 12 05.68 3.63 | 11 25.86 3.65 | 10 50.53 3.68 |
| 36.0 | | 13 16.71 3.67 | 13 07.10 3.67 | 13 03.79 3.67 | 12 52.78 3.67 | 12 30.85 3.68 | 12 09.34 3.69 | 11 29.54 3.71 | 10 54.23 3.74 |
| 37.0 | | 13 20.40 3.73 | 13 10.80 3.73 | 13 07.49 3.73 | 12 56.48 3.74 | 12 34.56 3.74 | 12 13.07 3.75 | 11 33.28 3.77 | 10 58.00 3.80 |
| 38.0 | | 13 24.16 3.79 | 13 14.56 3.79 | 13 11.25 3.79 | 13 00.25 3.79 | 12 38.33 3.80 | 12 16.85 3.81 | 11 37.08 3.83 | 11 01.83 3.85 |
| 39.0 | | 13 27.98 3.84 | 13 18.38 3.84 | 13 15.07 3.85 | 13 04.07 3.85 | 12 42.16 3.86 | 12 20.69 3.87 | 11 40.94 3.89 | 11 05.71 3.91 |
| 40.0 | | 13 31.84 3.90 | 13 22.25 3.90 | 13 18.94 3.90 | 13 07.95 3.90 | 12 46.05 3.91 | 12 24.58 3.92 | 11 44.85 3.94 | 11 09.65 3.96 |
| 41.0 | | 13 35.77 3.95 | 13 26.17 3.95 | 13 22.87 3.95 | 13 11.87 3.95 | 12 49.98 3.96 | 12 28.52 3.97 | 11 48.82 3.99 | 11 13.63 4.01 |
| 42.0 | | 13 39.74 3.99 | 13 30.14 4.00 | 13 26.84 4.00 | 13 15.85 4.00 | 12 53.97 4.01 | 12 32.51 4.02 | 11 52.83 4.03 | 11 17.66 4.05 |
| 43.0 | | 13 43.75 4.04 | 13 34.16 4.04 | 13 30.86 4.04 | 13 19.88 4.05 | 12 58.00 4.05 | 12 36.55 4.06 | 11 56.88 4.08 | 11 21.73 4.09 |
| 44.0 | | 13 47.81 4.08 | 13 38.22 4.08 | 13 34.92 4.08 | 13 23.94 4.09 | 13 02.07 4.09 | 12 40.63 4.10 | 12 00.98 4.12 | 11 25.85 4.13 |
| 45.0 | | 13 51.92 4.12 | 13 42.33 4.12 | 13 39.03 4.12 | 13 28.05 4.13 | 13 06.19 4.13 | 12 44.75 4.14 | 12 05.11 4.15 | 11 30.00 4.17 |
| 46.0 | | 13 56.06 4.16 | 13 46.47 4.16 | 13 43.17 4.16 | 13 32.20 4.16 | 13 10.34 4.17 | 12 48.91 4.18 | 12 09.28 4.19 | 11 34.19 4.21 |
| 47.0 | | 14 00.23 4.19 | 13 50.65 4.20 | 13 47.35 4.20 | 13 36.38 4.20 | 13 14.53 4.20 | 12 53.11 4.21 | 12 13.49 4.22 | 11 38.41 4.24 |
| 48.0 | | 14 04.45 4.23 | 13 54.86 4.23 | 13 51.56 4.23 | 13 40.59 4.23 | 13 18.75 4.24 | 12 57.33 4.24 | 12 17.73 4.25 | 11 42.66 4.27 |
| 49.0 | | 14 08.69 4.26 | 13 59.10 4.26 | 13 55.81 4.26 | 13 44.84 4.26 | 13 23.00 4.27 | 13 01.59 4.27 | 12 22.00 4.28 | 11 46.95 4.29 |
| 50.0 | | 14 12.96 4.28 | 14 03.38 4.29 | 14 00.08 4.29 | 13 49.12 4.29 | 13 27.28 4.29 | 13 05.87 4.30 | 12 26.29 4.31 | 11 51.25 4.32 |

| ScP | Depth of source [km] | | | | | | | | |
|-------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | | m s | m s | m s | m s | m s | m s | m s | m s |
| 50.0 | | 14 12.96 4.28 | 14 03.38 4.29 | 14 00.08 4.29 | 13 49.12 4.29 | 13 27.28 4.29 | 13 05.87 4.30 | 12 26.29 4.31 | 11 51.25 4.32 |
| 51.0 | | 14 17.25 4.31 | 14 07.67 4.31 | 14 04.38 4.31 | 13 53.42 4.31 | 13 31.58 4.32 | 13 10.18 4.32 | 12 30.61 4.33 | 11 55.58 4.34 |
| 52.0 | | 14 21.58 4.33 | 14 12.00 4.33 | 14 08.70 4.33 | 13 57.74 4.34 | 13 35.91 4.34 | 13 14.51 4.34 | 12 34.95 4.35 | 11 59.93 4.36 |
| 53.0 | | 14 25.92 4.35 | 14 16.34 4.35 | 14 13.04 4.35 | 14 02.09 4.36 | 13 40.26 4.36 | 13 18.87 4.36 | 12 39.31 4.37 | 12 04.30 4.38 |
| 54.0 | | 14 30.28 4.37 | 14 20.70 4.37 | 14 17.41 4.37 | 14 06.45 4.37 | 13 44.63 4.38 | 13 23.24 4.38 | 12 43.69 4.38 | 12 08.68 4.39 |
| 55.0 | | 14 34.66 4.39 | 14 25.08 4.39 | 14 21.79 4.39 | 14 10.83 4.39 | 13 49.01 4.39 | 13 27.62 4.39 | 12 48.08 4.40 | 12 13.08 4.41 |
| 56.0 | | 14 39.05 4.40 | 14 29.47 4.40 | 14 26.18 4.40 | 14 15.23 4.40 | 13 53.41 4.40 | 13 32.02 4.41 | 12 52.48 4.41 | 12 17.49 4.42 |
| 57.0 | | 14 43.46 4.41 | 14 33.88 4.41 | 14 30.59 4.41 | 14 19.63 4.41 | 13 57.82 4.42 | 13 36.43 4.42 | 12 56.90 4.42 | 12 21.91 4.43 |
| 58.0 | | 14 47.87 4.42 | 14 38.30 4.42 | 14 35.01 4.42 | 14 24.05 4.42 | 14 02.24 4.42 | 13 40.86 4.43 | 13 01.32 4.43 | 12 26.34 4.43 |
| 59.0 | | 14 52.30 4.43 | 14 42.73 4.43 | 14 39.43 4.43 | 14 28.48 4.43 | 14 06.66 4.43 | 13 45.29 4.43 | 13 05.76 4.44 | 12 30.78 4.44 |
| 60.0 | | 14 56.73 4.44 | 14 47.16 4.44 | 14 43.87 4.44 | 14 32.91 4.44 | 14 11.10 4.44 | 13 49.72 4.44 | 13 10.20 4.44 | 12 35.22 4.44 |
| 61.0 | | 15 01.17 4.44 | 14 51.60 4.44 | 14 48.31 4.44 | 14 37.35 4.44 | 14 15.54 4.44 | 13 54.16 4.44 | 13 14.64 4.44 | 12 39.66 4.44 |
| 62.0 | | 15 05.61 4.44 | 14 56.04 4.44 | 14 52.75 4.44 | 14 41.80 4.44 | 14 19.98 4.44 | 13 58.61 4.44 | 13 19.08 4.45 | 12 44.11 4.45 |

Core Phases:

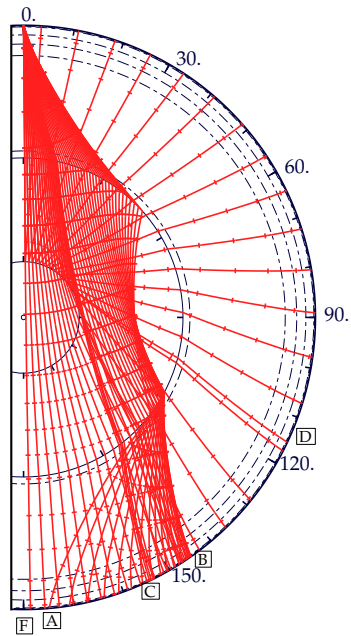
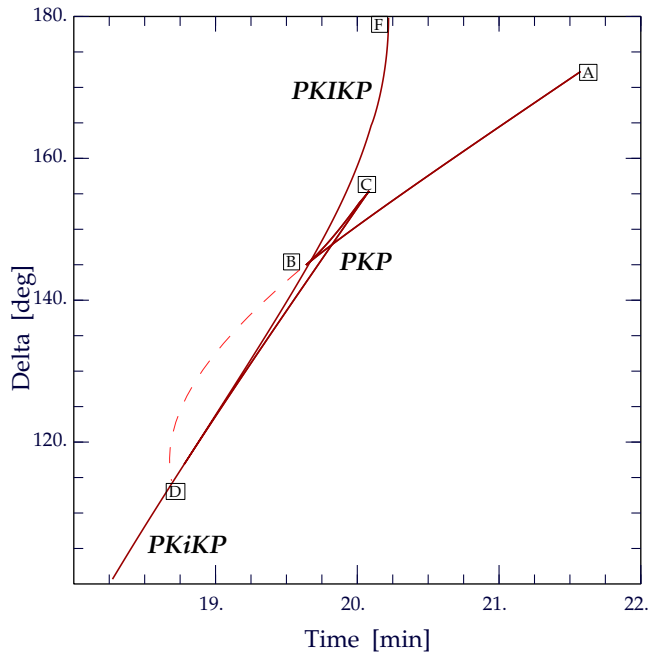
The P wavespeed at the top of the outer core is lower than the P wavespeed at the base of the mantle but higher than the S wavespeed at the same location.

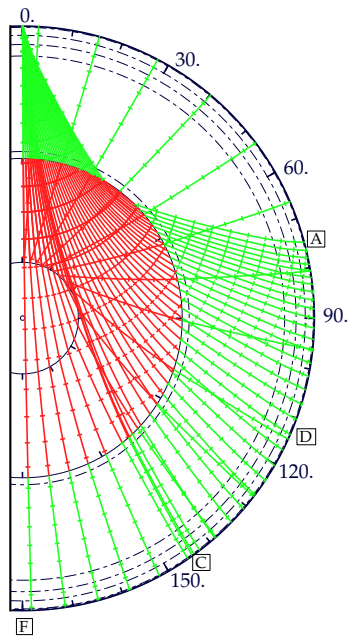
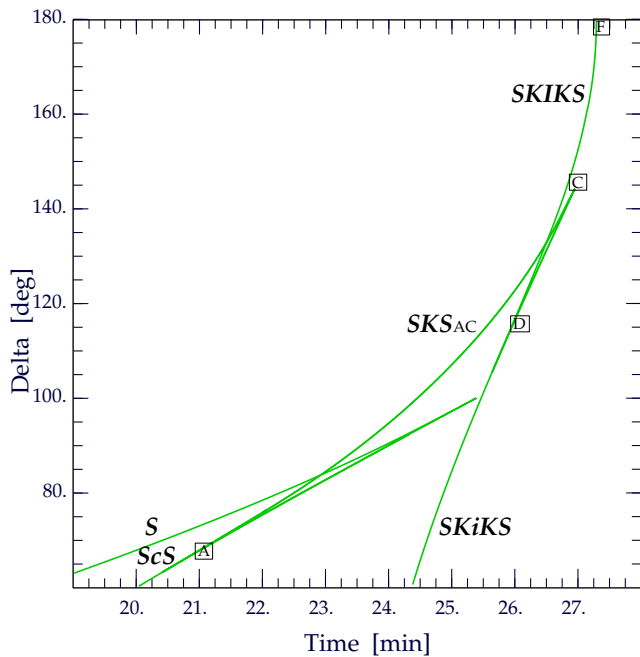
The outer part of the core of the Earth therefore acts as a low velocity zone for P waves leading to a shadow zone for P and a complex set of branches for the PKP phases illustrated opposite. The B point corresponds to the PKP caustic. The DF branch penetrates the inner core and corresponds to PKIKP.

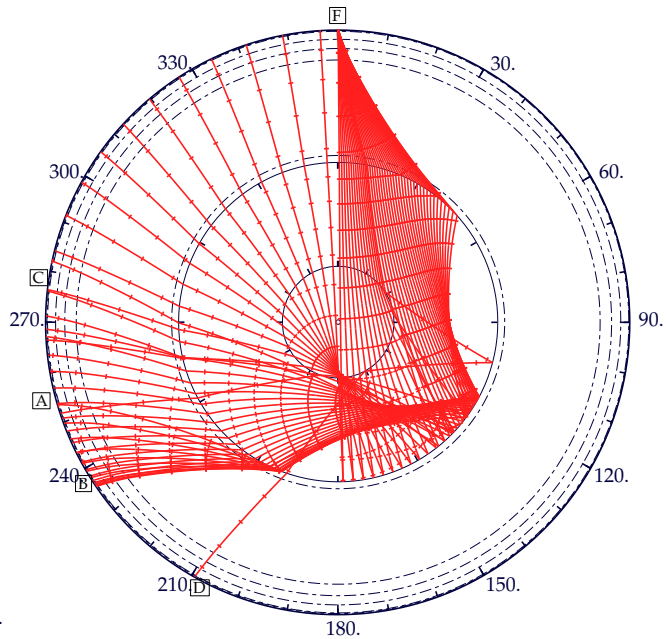
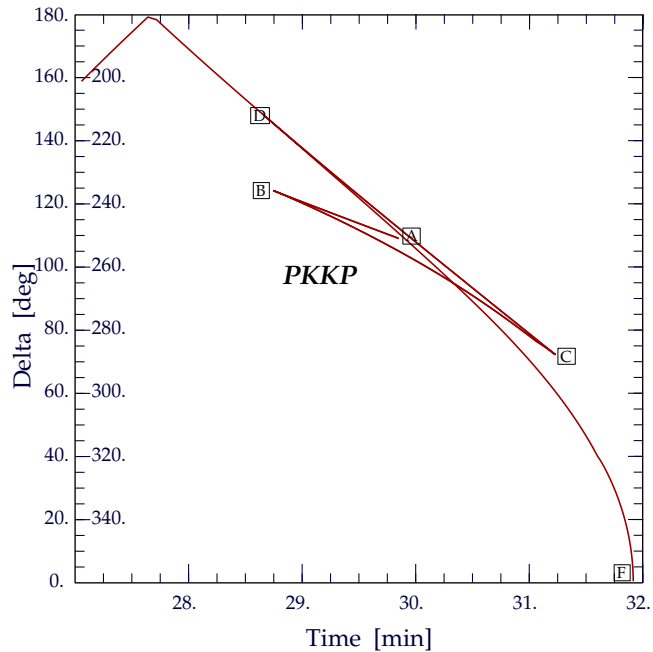
For SKS, the P wave leg in the core is faster than S in the mantle and so SKS overtakes S. The DF branch again penetrates the inner core and corresponds to SKIKS.

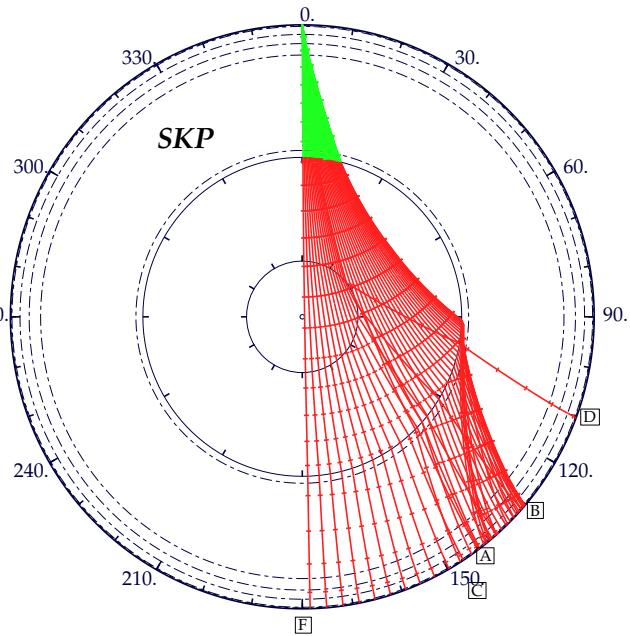
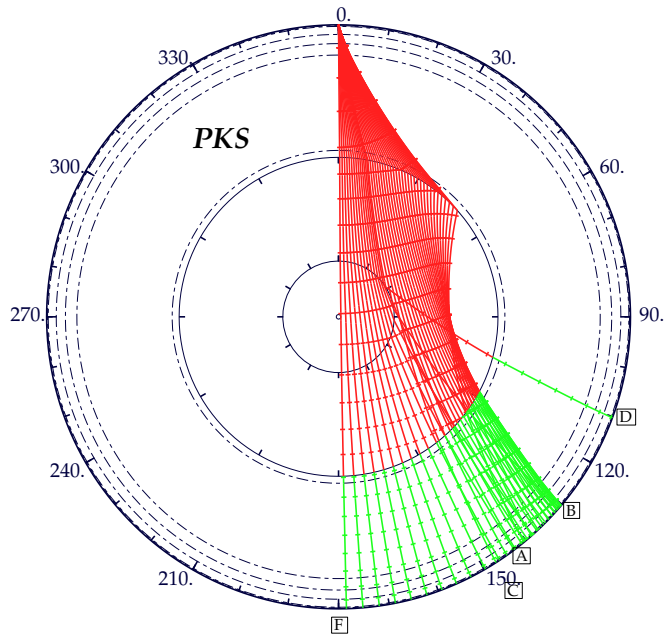
In the tables the branches of the PKP, SKS and other core phases are designated by lower case suffices e.g. PKPab for the AB branch of PKP.

The ray and travel time charts show the configuration of the branches for PKP, SKS and PKKP. Ray diagrams for PKS and SKP show the different propagation paths for these two phases with similar times.









PKPab

Depth of source [km]

| Δ | 0. | | 35. | | 50. | | 100. | | 200. | | 300. | | 500. | | 700. | |
|--------------|----|-------|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 143.0 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 18 | 15.38 |
| | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 3.63 |
| 144.0 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 0 | 00.00 | 18 | 37.46 | 18 | 19.13 |
| | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 3.70 | | 3.84 |
| 145.0 | 19 | 38.47 | 19 | 32.83 | 19 | 31.03 | 19 | 25.03 | 19 | 13.22 | 19 | 01.91 | 18 | 41.25 | 18 | 23.03 |
| | | 3.52 | | 3.57 | | 3.59 | | 3.64 | | 3.71 | | 3.77 | | 3.86 | | 3.95 |
| 146.0 | 19 | 42.17 | 19 | 36.54 | 19 | 34.75 | 19 | 28.78 | 19 | 17.02 | 19 | 05.75 | 18 | 45.16 | 18 | 27.02 |
| | | 3.80 | | 3.81 | | 3.81 | | 3.83 | | 3.86 | | 3.90 | | 3.96 | | 4.02 |
| 147.0 | 19 | 46.03 | 19 | 40.41 | 19 | 38.62 | 19 | 32.67 | 19 | 20.93 | 19 | 09.69 | 18 | 49.16 | 18 | 31.08 |
| | | 3.91 | | 3.92 | | 3.92 | | 3.93 | | 3.96 | | 3.98 | | 4.03 | | 4.08 |
| 148.0 | 19 | 49.99 | 19 | 44.37 | 19 | 42.59 | 19 | 36.64 | 19 | 24.93 | 19 | 13.71 | 18 | 53.22 | 18 | 35.18 |
| | | 3.99 | | 4.00 | | 4.00 | | 4.01 | | 4.03 | | 4.05 | | 4.09 | | 4.13 |
| 149.0 | 19 | 54.01 | 19 | 48.40 | 19 | 46.62 | 19 | 40.69 | 19 | 28.99 | 19 | 17.78 | 18 | 57.34 | 18 | 39.33 |
| | | 4.06 | | 4.06 | | 4.06 | | 4.07 | | 4.09 | | 4.10 | | 4.13 | | 4.17 |
| 150.0 | 19 | 58.09 | 19 | 52.49 | 19 | 50.71 | 19 | 44.78 | 19 | 33.09 | 19 | 21.90 | 19 | 01.49 | 18 | 43.52 |
| | | 4.11 | | 4.11 | | 4.11 | | 4.12 | | 4.13 | | 4.14 | | 4.17 | | 4.20 |
| 151.0 | 20 | 02.22 | 19 | 56.62 | 19 | 54.84 | 19 | 48.92 | 19 | 37.25 | 19 | 26.07 | 19 | 05.68 | 18 | 47.74 |
| | | 4.15 | | 4.15 | | 4.15 | | 4.16 | | 4.17 | | 4.18 | | 4.21 | | 4.23 |
| 152.0 | 20 | 06.39 | 20 | 00.79 | 19 | 59.01 | 19 | 53.10 | 19 | 41.43 | 19 | 30.27 | 19 | 09.90 | 18 | 51.99 |
| | | 4.18 | | 4.19 | | 4.19 | | 4.19 | | 4.20 | | 4.21 | | 4.24 | | 4.26 |
| 153.0 | 20 | 10.59 | 20 | 04.99 | 20 | 03.22 | 19 | 57.31 | 19 | 45.65 | 19 | 34.49 | 19 | 14.15 | 18 | 56.26 |
| | | 4.22 | | 4.22 | | 4.22 | | 4.22 | | 4.23 | | 4.24 | | 4.26 | | 4.28 |
| 154.0 | 20 | 14.82 | 20 | 09.22 | 20 | 07.45 | 20 | 01.54 | 19 | 49.90 | 19 | 38.75 | 19 | 18.42 | 19 | 00.55 |
| | | 4.24 | | 4.25 | | 4.25 | | 4.25 | | 4.26 | | 4.27 | | 4.28 | | 4.30 |
| 155.0 | 20 | 19.08 | 20 | 13.48 | 20 | 11.71 | 20 | 05.81 | 19 | 54.17 | 19 | 43.03 | 19 | 22.72 | 19 | 04.86 |
| | | 4.27 | | 4.27 | | 4.27 | | 4.27 | | 4.28 | | 4.29 | | 4.30 | | 4.32 |
| 156.0 | 20 | 23.36 | 20 | 17.76 | 20 | 15.99 | 20 | 10.09 | 19 | 58.46 | 19 | 47.33 | 19 | 27.03 | 19 | 09.19 |
| | | 4.29 | | 4.29 | | 4.29 | | 4.30 | | 4.30 | | 4.31 | | 4.32 | | 4.34 |
| 157.0 | 20 | 27.66 | 20 | 22.07 | 20 | 20.29 | 20 | 14.40 | 20 | 02.77 | 19 | 51.64 | 19 | 31.36 | 19 | 13.54 |
| | | 4.31 | | 4.31 | | 4.31 | | 4.31 | | 4.32 | | 4.33 | | 4.34 | | 4.35 |
| 158.0 | 20 | 31.98 | 20 | 26.38 | 20 | 24.61 | 20 | 18.72 | 20 | 07.10 | 19 | 55.97 | 19 | 35.70 | 19 | 17.90 |
| | | 4.33 | | 4.33 | | 4.33 | | 4.33 | | 4.34 | | 4.34 | | 4.35 | | 4.36 |
| 159.0 | 20 | 36.31 | 20 | 30.72 | 20 | 28.95 | 20 | 23.06 | 20 | 11.44 | 20 | 00.32 | 19 | 40.06 | 19 | 22.27 |
| | | 4.34 | | 4.34 | | 4.34 | | 4.35 | | 4.35 | | 4.35 | | 4.36 | | 4.38 |
| 160.0 | 20 | 40.66 | 20 | 35.07 | 20 | 33.30 | 20 | 27.41 | 20 | 15.80 | 20 | 04.68 | 19 | 44.43 | 19 | 26.65 |
| | | 4.36 | | 4.36 | | 4.36 | | 4.36 | | 4.36 | | 4.37 | | 4.38 | | 4.39 |
| 161.0 | 20 | 45.02 | 20 | 39.43 | 20 | 37.66 | 20 | 31.78 | 20 | 20.17 | 20 | 09.06 | 19 | 48.81 | 19 | 31.04 |
| | | 4.37 | | 4.37 | | 4.37 | | 4.37 | | 4.37 | | 4.38 | | 4.39 | | 4.39 |
| 162.0 | 20 | 49.39 | 20 | 43.81 | 20 | 42.04 | 20 | 36.15 | 20 | 24.55 | 20 | 13.44 | 19 | 53.20 | 19 | 35.44 |
| | | 4.38 | | 4.38 | | 4.38 | | 4.38 | | 4.38 | | 4.39 | | 4.39 | | 4.40 |
| 163.0 | 20 | 53.78 | 20 | 48.19 | 20 | 46.42 | 20 | 40.54 | 20 | 28.94 | 20 | 17.83 | 19 | 57.60 | 19 | 39.84 |
| | | 4.39 | | 4.39 | | 4.39 | | 4.39 | | 4.39 | | 4.40 | | 4.40 | | 4.41 |
| 164.0 | 20 | 58.17 | 20 | 52.58 | 20 | 50.82 | 20 | 44.93 | 20 | 33.33 | 20 | 22.23 | 20 | 02.01 | 19 | 44.26 |
| | | 4.40 | | 4.40 | | 4.40 | | 4.40 | | 4.40 | | 4.40 | | 4.41 | | 4.42 |
| 165.0 | 21 | 02.57 | 20 | 56.99 | 20 | 55.22 | 20 | 49.34 | 20 | 37.74 | 20 | 26.64 | 20 | 06.42 | 19 | 48.68 |
| | | 4.40 | | 4.41 | | 4.41 | | 4.41 | | 4.41 | | 4.41 | | 4.42 | | 4.42 |
| 166.0 | 21 | 06.98 | 21 | 01.40 | 20 | 59.63 | 20 | 53.75 | 20 | 42.15 | 20 | 31.06 | 20 | 10.84 | 19 | 53.10 |
| | | 4.41 | | 4.41 | | 4.41 | | 4.41 | | 4.42 | | 4.42 | | 4.42 | | 4.43 |
| 167.0 | 21 | 11.39 | 21 | 05.81 | 21 | 04.04 | 20 | 58.16 | 20 | 46.57 | 20 | 35.48 | 20 | 15.27 | 19 | 57.53 |
| | | 4.42 | | 4.42 | | 4.42 | | 4.42 | | 4.42 | | 4.42 | | 4.43 | | 4.43 |
| 168.0 | 21 | 15.81 | 21 | 10.23 | 21 | 08.47 | 21 | 02.59 | 20 | 50.99 | 20 | 39.90 | 20 | 19.70 | 20 | 01.96 |
| | | 4.42 | | 4.42 | | 4.42 | | 4.42 | | 4.43 | | 4.43 | | 4.43 | | 4.43 |

| PKPab Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 168.0 | 21 15.81 4.42 | 21 10.23 4.42 | 21 08.47 4.42 | 21 02.59 4.42 | 20 50.99 4.43 | 20 39.90 4.43 | 20 19.70 4.43 | 20 01.96 4.43 |
| 169.0 | 21 20.24 4.43 | 21 14.66 4.43 | 21 12.89 4.43 | 21 07.01 4.43 | 20 55.42 4.43 | 20 44.33 4.43 | 20 24.13 4.43 | 20 06.40 4.44 |
| 170.0 | 21 24.67 4.43 | 21 19.09 4.43 | 21 17.32 4.43 | 21 11.44 4.43 | 20 59.85 4.43 | 20 48.76 4.44 | 20 28.56 4.44 | 20 10.84 4.44 |
| 171.0 | 21 29.10 4.44 | 21 23.52 4.44 | 21 21.76 4.44 | 21 15.88 4.44 | 21 04.29 4.44 | 20 53.20 4.44 | 20 33.00 4.44 | 20 15.28 4.44 |
| 172.0 | 21 33.54 4.44 | 21 27.96 4.44 | 21 26.19 4.44 | 21 20.31 4.44 | 21 08.73 4.44 | 20 57.64 4.44 | 20 37.44 4.44 | 20 19.72 4.44 |
| 173.0 | 21 37.98 4.44 | 21 32.40 4.44 | 21 30.63 4.44 | 21 24.75 4.44 | 21 13.17 4.44 | 21 02.08 4.44 | 20 41.89 4.44 | 20 24.16 4.44 |
| 174.0 | 21 42.42 4.44 | 21 36.84 4.44 | 21 35.07 4.44 | 21 29.20 4.44 | 21 17.61 4.44 | 21 06.52 4.44 | 20 46.33 4.44 | 20 28.61 4.45 |
| 175.0 | 21 46.86 4.44 | 21 41.28 4.44 | 21 39.52 4.44 | 21 33.64 4.44 | 21 22.05 4.44 | 21 10.97 4.44 | 20 50.78 4.45 | 20 33.05 4.45 |
| 176.0 | 21 51.31 4.44 | 21 45.73 4.44 | 21 43.96 4.44 | 21 38.08 4.45 | 21 26.50 4.45 | 21 15.41 4.45 | 20 55.22 4.45 | |
| 177.0 | 21 55.75 4.45 | 21 50.17 4.45 | 21 48.41 4.45 | 21 42.53 4.45 | 21 30.94 4.45 | 21 19.86 4.45 | | |
| 178.0 | 22 00.20 4.45 | 21 54.62 4.45 | 21 52.85 4.45 | | | | | |

ak135

PKPbc

| Δ | Depth of source [km] | | | | | | | |
|--------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 143.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 18 15.36 3.39 |
| 144.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 18 37.35 3.25 | 18 18.56 3.08 |
| 145.0 | 19 38.47 3.43 | 19 32.82 3.36 | 19 31.01 3.33 | 19 24.98 3.27 | 19 13.05 3.19 | 19 01.59 3.12 | 18 40.46 3.00 | 18 21.54 2.89 |
| 146.0 | 19 41.65 3.04 | 19 35.98 3.02 | 19 34.16 3.02 | 19 28.09 3.00 | 19 16.12 2.95 | 19 04.60 2.91 | 18 43.37 2.82 | 18 24.35 2.73 |
| 147.0 | 19 44.59 2.84 | 19 38.90 2.83 | 19 37.07 2.82 | 19 30.99 2.80 | 19 18.98 2.77 | 19 07.42 2.74 | 18 46.12 2.66 | 18 27.01 2.59 |
| 148.0 | 19 47.33 2.67 | 19 41.64 2.66 | 19 39.81 2.65 | 19 33.71 2.64 | 19 21.66 2.61 | 19 10.08 2.58 | 18 48.71 2.53 | 18 29.54 2.48 |
| 149.0 | 19 49.93 2.53 | 19 44.22 2.52 | 19 42.39 2.52 | 19 36.28 2.51 | 19 24.21 2.49 | 19 12.60 2.47 | 18 51.19 2.43 | 18 31.97 2.39 |
| 150.0 | 19 52.40 2.42 | 19 46.69 2.42 | 19 44.86 2.42 | 19 38.74 2.41 | 19 26.65 2.40 | 19 15.03 2.38 | 18 53.58 2.35 | 18 34.32 2.31 |
| 151.0 | 19 54.78 2.34 | 19 49.07 2.34 | 19 47.23 2.34 | 19 41.11 2.33 | 19 29.01 2.32 | 19 17.37 2.30 | 18 55.89 2.28 | 18 36.60 2.25 |
| 152.0 | 19 57.08 2.27 | 19 51.37 2.26 | 19 49.53 2.26 | 19 43.40 2.26 | 19 31.29 2.25 | 19 19.64 2.24 | 18 58.13 2.21 | 18 38.82 2.19 |
| 153.0 | 19 59.32 2.20 | 19 53.60 2.20 | 19 51.76 2.20 | 19 45.63 2.20 | 19 33.51 2.19 | 19 21.84 2.18 | 19 00.32 2.16 | 18 40.98 2.14 |
| 154.0 | 20 01.49 2.15 | 19 55.78 2.15 | 19 53.94 2.15 | 19 47.80 2.14 | 19 35.67 2.14 | 19 24.00 2.13 | 19 02.45 2.11 | 18 43.09 2.08 |
| 155.0 | 20 03.62 2.10 | 19 57.90 2.09 | 19 56.06 2.09 | 19 49.91 2.09 | 19 37.78 2.08 | 19 26.10 2.07 | 19 02.45 2.11 | 18 43.09 2.08 |

| PKPdf Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 113.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 |
| 114.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 |
| 115.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 18 05.33 1.92 | 17 43.71 1.92 | 17 24.28 1.92 |
| 116.0 | 18 44.84 1.92 | 18 39.11 1.92 | 18 37.27 1.92 | 18 31.11 1.92 | 18 18.95 1.92 | 18 07.25 1.92 | 17 45.64 1.92 | 17 26.21 1.92 |
| 117.0 | 18 46.76 1.92 | 18 41.04 1.92 | 18 39.19 1.92 | 18 33.04 1.92 | 18 20.88 1.92 | 18 09.17 1.92 | 17 47.56 1.92 | 17 28.13 1.92 |
| 118.0 | 18 48.68 1.92 | 18 42.96 1.92 | 18 41.11 1.92 | 18 34.96 1.92 | 18 22.80 1.92 | 18 11.10 1.92 | 17 49.49 1.92 | 17 30.05 1.92 |
| 119.0 | 18 50.61 1.92 | 18 44.88 1.92 | 18 43.04 1.92 | 18 36.88 1.92 | 18 24.72 1.92 | 18 13.02 1.92 | 17 51.41 1.92 | 17 31.98 1.92 |
| 120.0 | 18 52.53 1.92 | 18 46.81 1.92 | 18 44.96 1.92 | 18 38.81 1.92 | 18 26.65 1.92 | 18 14.94 1.92 | 17 53.33 1.92 | 17 33.90 1.92 |
| 121.0 | 18 54.45 1.92 | 18 48.73 1.92 | 18 46.88 1.92 | 18 40.73 1.92 | 18 28.57 1.92 | 18 16.86 1.92 | 17 55.25 1.92 | 17 35.82 1.92 |
| 122.0 | 18 56.37 1.92 | 18 50.65 1.92 | 18 48.80 1.92 | 18 42.65 1.92 | 18 30.49 1.92 | 18 18.79 1.92 | 17 57.17 1.92 | 17 37.74 1.92 |
| 123.0 | 18 58.29 1.92 | 18 52.57 1.92 | 18 50.72 1.92 | 18 44.57 1.92 | 18 32.41 1.92 | 18 20.70 1.92 | 17 59.09 1.92 | 17 39.66 1.92 |
| 124.0 | 19 00.21 1.92 | 18 54.49 1.92 | 18 52.64 1.92 | 18 46.49 1.92 | 18 34.33 1.92 | 18 22.62 1.92 | 18 01.01 1.92 | 17 41.57 1.91 |
| 125.0 | 19 02.13 1.91 | 18 56.40 1.91 | 18 54.56 1.91 | 18 48.40 1.91 | 18 36.24 1.91 | 18 24.54 1.91 | 18 02.92 1.91 | 17 43.49 1.91 |
| 126.0 | 19 04.04 1.91 | 18 58.32 1.91 | 18 56.47 1.91 | 18 50.32 1.91 | 18 38.15 1.91 | 18 26.45 1.91 | 18 04.83 1.91 | 17 45.40 1.91 |
| 127.0 | 19 05.95 1.91 | 19 00.23 1.91 | 18 58.38 1.91 | 18 52.23 1.91 | 18 40.06 1.91 | 18 28.36 1.91 | 18 06.74 1.91 | 17 47.30 1.91 |
| 128.0 | 19 07.86 1.91 | 19 02.14 1.91 | 19 00.29 1.91 | 18 54.13 1.91 | 18 41.97 1.91 | 18 30.27 1.91 | 18 08.65 1.90 | 17 49.21 1.90 |
| 129.0 | 19 09.76 1.90 | 19 04.04 1.90 | 19 02.19 1.90 | 18 56.04 1.90 | 18 43.88 1.90 | 18 32.17 1.90 | 18 10.55 1.90 | 17 51.11 1.90 |
| 130.0 | 19 11.67 1.90 | 19 05.94 1.90 | 19 04.09 1.90 | 18 57.94 1.90 | 18 45.78 1.90 | 18 34.07 1.90 | 18 12.45 1.90 | 17 53.00 1.89 |
| 131.0 | 19 13.56 1.89 | 19 07.84 1.89 | 19 05.99 1.89 | 18 59.83 1.89 | 18 47.67 1.89 | 18 35.96 1.89 | 18 14.34 1.89 | 17 54.90 1.89 |
| 132.0 | 19 15.45 1.89 | 19 09.73 1.89 | 19 07.88 1.89 | 19 01.72 1.89 | 18 49.56 1.89 | 18 37.85 1.89 | 18 16.23 1.88 | 17 56.78 1.88 |
| 133.0 | 19 17.34 1.88 | 19 11.61 1.88 | 19 09.77 1.88 | 19 03.61 1.88 | 18 51.45 1.88 | 18 39.74 1.88 | 18 18.11 1.88 | 17 58.66 1.88 |
| 134.0 | 19 19.22 1.88 | 19 13.49 1.88 | 19 11.65 1.88 | 19 05.49 1.88 | 18 53.32 1.87 | 18 41.61 1.87 | 18 19.98 1.87 | 18 00.53 1.87 |
| 135.0 | 19 21.09 1.87 | 19 15.37 1.87 | 19 13.52 1.87 | 19 07.36 1.87 | 18 55.19 1.87 | 18 43.48 1.87 | 18 21.85 1.86 | 18 02.40 1.86 |
| 136.0 | 19 22.96 1.86 | 19 17.23 1.86 | 19 15.38 1.86 | 19 09.22 1.86 | 18 57.06 1.86 | 18 45.34 1.86 | 18 23.71 1.85 | 18 04.25 1.85 |
| 137.0 | 19 24.81 1.85 | 19 19.08 1.85 | 19 17.24 1.85 | 19 11.08 1.85 | 18 58.91 1.85 | 18 47.19 1.85 | 18 25.56 1.84 | 18 06.09 1.84 |
| 138.0 | 19 26.66 1.84 | 19 20.93 1.84 | 19 19.08 1.84 | 19 12.92 1.84 | 19 00.75 1.84 | 18 49.04 1.84 | 18 27.40 1.83 | 18 07.93 1.83 |

| PKPdf Δ | Depth of source [km] | | | | | | | |
|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 138.0 | 19 26.66 <i>1.84</i> | 19 20.93 <i>1.84</i> | 19 19.08 <i>1.84</i> | 19 12.92 <i>1.84</i> | 19 00.75 <i>1.84</i> | 18 49.04 <i>1.84</i> | 18 27.40 <i>1.83</i> | 18 07.93 <i>1.83</i> |
| 139.0 | 19 28.49 <i>1.83</i> | 19 22.76 <i>1.83</i> | 19 20.91 <i>1.83</i> | 19 14.76 <i>1.83</i> | 19 02.58 <i>1.83</i> | 18 50.87 <i>1.82</i> | 18 29.22 <i>1.82</i> | 18 09.75 <i>1.82</i> |
| 140.0 | 19 30.31 <i>1.82</i> | 19 24.59 <i>1.82</i> | 19 22.74 <i>1.82</i> | 19 16.58 <i>1.81</i> | 19 04.40 <i>1.81</i> | 18 52.68 <i>1.81</i> | 18 31.04 <i>1.81</i> | 18 11.56 <i>1.80</i> |
| 141.0 | 19 32.12 <i>1.80</i> | 19 26.39 <i>1.80</i> | 19 24.54 <i>1.80</i> | 19 18.38 <i>1.80</i> | 19 06.21 <i>1.80</i> | 18 54.49 <i>1.80</i> | 18 32.83 <i>1.79</i> | 18 13.35 <i>1.78</i> |
| 142.0 | 19 33.92 <i>1.79</i> | 19 28.19 <i>1.78</i> | 19 26.34 <i>1.78</i> | 19 20.18 <i>1.78</i> | 19 08.00 <i>1.78</i> | 18 56.27 <i>1.78</i> | 18 34.62 <i>1.77</i> | 18 15.13 <i>1.77</i> |
| 143.0 | 19 35.69 <i>1.77</i> | 19 29.96 <i>1.77</i> | 19 28.11 <i>1.77</i> | 19 21.95 <i>1.77</i> | 19 09.77 <i>1.76</i> | 18 58.04 <i>1.76</i> | 18 36.38 <i>1.75</i> | 18 16.88 <i>1.75</i> |
| 144.0 | 19 37.45 <i>1.75</i> | 19 31.72 <i>1.75</i> | 19 29.87 <i>1.75</i> | 19 23.71 <i>1.75</i> | 19 11.52 <i>1.74</i> | 18 59.79 <i>1.74</i> | 18 38.13 <i>1.73</i> | 18 18.62 <i>1.73</i> |
| 145.0 | 19 39.19 <i>1.73</i> | 19 33.46 <i>1.73</i> | 19 31.61 <i>1.72</i> | 19 25.44 <i>1.72</i> | 19 13.26 <i>1.72</i> | 19 01.52 <i>1.72</i> | 18 39.85 <i>1.71</i> | 18 20.34 <i>1.70</i> |
| 146.0 | 19 40.90 <i>1.70</i> | 19 35.17 <i>1.70</i> | 19 33.32 <i>1.70</i> | 19 27.15 <i>1.70</i> | 19 14.96 <i>1.70</i> | 19 03.23 <i>1.69</i> | 18 41.55 <i>1.69</i> | 18 22.02 <i>1.68</i> |
| 147.0 | 19 42.59 <i>1.68</i> | 19 36.86 <i>1.67</i> | 19 35.01 <i>1.67</i> | 19 28.84 <i>1.67</i> | 19 16.65 <i>1.67</i> | 19 04.91 <i>1.67</i> | 18 43.22 <i>1.66</i> | 18 23.69 <i>1.65</i> |
| 148.0 | 19 44.25 <i>1.65</i> | 19 38.52 <i>1.65</i> | 19 36.67 <i>1.65</i> | 19 30.50 <i>1.64</i> | 19 18.30 <i>1.64</i> | 19 06.56 <i>1.64</i> | 18 44.86 <i>1.63</i> | 18 25.32 <i>1.62</i> |
| 149.0 | 19 45.88 <i>1.61</i> | 19 40.15 <i>1.61</i> | 19 38.30 <i>1.61</i> | 19 32.12 <i>1.61</i> | 19 19.93 <i>1.61</i> | 19 08.18 <i>1.60</i> | 18 46.47 <i>1.59</i> | 18 26.92 <i>1.58</i> |
| 150.0 | 19 47.48 <i>1.58</i> | 19 41.74 <i>1.58</i> | 19 39.89 <i>1.58</i> | 19 33.72 <i>1.57</i> | 19 21.51 <i>1.57</i> | 19 09.76 <i>1.56</i> | 18 48.05 <i>1.55</i> | 18 28.48 <i>1.54</i> |
| 151.0 | 19 49.04 <i>1.54</i> | 19 43.30 <i>1.54</i> | 19 41.45 <i>1.54</i> | 19 35.27 <i>1.53</i> | 19 23.06 <i>1.53</i> | 19 11.31 <i>1.52</i> | 18 49.58 <i>1.51</i> | 18 30.00 <i>1.50</i> |
| 152.0 | 19 50.55 <i>1.50</i> | 19 44.82 <i>1.50</i> | 19 42.96 <i>1.50</i> | 19 36.78 <i>1.49</i> | 19 24.57 <i>1.49</i> | 19 12.81 <i>1.49</i> | 18 51.07 <i>1.48</i> | 18 31.49 <i>1.46</i> |
| 153.0 | 19 52.03 <i>1.46</i> | 19 46.29 <i>1.46</i> | 19 44.44 <i>1.46</i> | 19 38.26 <i>1.45</i> | 19 26.04 <i>1.45</i> | 19 14.28 <i>1.44</i> | 18 52.53 <i>1.43</i> | 18 32.93 <i>1.42</i> |
| 154.0 | 19 53.47 <i>1.41</i> | 19 47.73 <i>1.41</i> | 19 45.87 <i>1.41</i> | 19 39.69 <i>1.41</i> | 19 27.47 <i>1.41</i> | 19 15.70 <i>1.40</i> | 18 53.94 <i>1.39</i> | 18 34.33 <i>1.38</i> |
| 155.0 | 19 54.86 <i>1.37</i> | 19 49.12 <i>1.37</i> | 19 47.26 <i>1.37</i> | 19 41.08 <i>1.37</i> | 19 28.85 <i>1.36</i> | 19 17.08 <i>1.36</i> | 18 55.31 <i>1.35</i> | 18 35.69 <i>1.33</i> |
| 156.0 | 19 56.20 <i>1.32</i> | 19 50.46 <i>1.32</i> | 19 48.61 <i>1.32</i> | 19 42.42 <i>1.32</i> | 19 30.19 <i>1.32</i> | 19 18.42 <i>1.31</i> | 18 56.63 <i>1.30</i> | 18 37.00 <i>1.29</i> |
| 157.0 | 19 57.50 <i>1.28</i> | 19 51.76 <i>1.27</i> | 19 49.90 <i>1.27</i> | 19 43.72 <i>1.27</i> | 19 31.48 <i>1.27</i> | 19 19.70 <i>1.26</i> | 18 57.91 <i>1.25</i> | 18 38.26 <i>1.24</i> |
| 158.0 | 19 58.75 <i>1.23</i> | 19 53.01 <i>1.23</i> | 19 51.15 <i>1.22</i> | 19 44.96 <i>1.22</i> | 19 32.73 <i>1.22</i> | 19 20.94 <i>1.21</i> | 18 59.14 <i>1.20</i> | 18 39.48 <i>1.19</i> |
| 159.0 | 19 59.96 <i>1.18</i> | 19 54.21 <i>1.17</i> | 19 52.35 <i>1.17</i> | 19 46.16 <i>1.17</i> | 19 33.92 <i>1.17</i> | 19 22.13 <i>1.16</i> | 19 00.32 <i>1.15</i> | 18 40.64 <i>1.14</i> |
| 160.0 | 20 01.11 <i>1.12</i> | 19 55.36 <i>1.12</i> | 19 53.50 <i>1.12</i> | 19 47.31 <i>1.12</i> | 19 35.06 <i>1.12</i> | 19 23.27 <i>1.11</i> | 19 01.45 <i>1.10</i> | 18 41.76 <i>1.09</i> |
| 161.0 | 20 02.20 <i>1.07</i> | 19 56.46 <i>1.07</i> | 19 54.60 <i>1.07</i> | 19 48.40 <i>1.07</i> | 19 36.15 <i>1.06</i> | 19 24.35 <i>1.06</i> | 19 02.52 <i>1.05</i> | 18 42.83 <i>1.04</i> |
| 162.0 | 20 03.25 <i>1.02</i> | 19 57.50 <i>1.02</i> | 19 55.64 <i>1.02</i> | 19 49.44 <i>1.02</i> | 19 37.19 <i>1.01</i> | 19 25.39 <i>1.01</i> | 19 03.55 <i>1.00</i> | 18 43.84 <i>0.99</i> |
| 163.0 | 20 04.24 <i>0.97</i> | 19 58.49 <i>0.97</i> | 19 56.63 <i>0.96</i> | 19 50.43 <i>0.96</i> | 19 38.18 <i>0.96</i> | 19 26.37 <i>0.96</i> | 19 04.52 <i>0.95</i> | 18 44.81 <i>0.94</i> |

PKPdf

Depth of source [km]

| Δ | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 163.0 | 20 04.24 0.97 | 19 58.49 0.97 | 19 56.63 0.96 | 19 50.43 0.96 | 19 38.18 0.96 | 19 26.37 0.96 | 19 04.52 0.95 | 18 44.81 0.94 |
| 164.0 | 20 05.18 0.91 | 19 59.43 0.91 | 19 57.57 0.91 | 19 51.37 0.91 | 19 39.11 0.90 | 19 27.30 0.90 | 19 05.44 0.89 | 18 45.72 0.88 |
| 165.0 | 20 06.06 0.86 | 20 00.31 0.85 | 19 58.45 0.85 | 19 52.25 0.85 | 19 39.99 0.85 | 19 28.17 0.85 | 19 06.31 0.84 | 18 46.57 0.83 |
| 166.0 | 20 06.89 0.80 | 20 01.14 0.80 | 19 59.28 0.80 | 19 53.07 0.80 | 19 40.81 0.79 | 19 28.99 0.79 | 19 07.12 0.78 | 18 47.37 0.78 |
| 167.0 | 20 07.66 0.74 | 20 01.91 0.74 | 20 00.05 0.74 | 19 53.84 0.74 | 19 41.58 0.74 | 19 29.75 0.74 | 19 07.88 0.73 | 18 48.12 0.72 |
| 168.0 | 20 08.38 0.69 | 20 02.63 0.69 | 20 00.77 0.69 | 19 54.56 0.69 | 19 42.29 0.68 | 19 30.46 0.68 | 19 08.58 0.67 | 18 48.82 0.67 |
| 169.0 | 20 09.04 0.63 | 20 03.29 0.63 | 20 01.43 0.63 | 19 55.22 0.63 | 19 42.94 0.63 | 19 31.12 0.62 | 19 09.22 0.62 | 18 49.46 0.61 |
| 170.0 | 20 09.64 0.58 | 20 03.89 0.57 | 20 02.03 0.57 | 19 55.82 0.57 | 19 43.54 0.57 | 19 31.71 0.57 | 19 09.81 0.56 | 18 50.04 0.56 |
| 171.0 | 20 10.19 0.52 | 20 04.44 0.52 | 20 02.57 0.52 | 19 56.36 0.52 | 19 44.08 0.51 | 19 32.25 0.51 | 19 10.35 0.51 | 18 50.57 0.50 |
| 172.0 | 20 10.68 0.46 | 20 04.93 0.46 | 20 03.06 0.46 | 19 56.85 0.46 | 19 44.57 0.46 | 19 32.74 0.46 | 19 10.83 0.45 | 18 51.04 0.45 |
| 173.0 | 20 11.11 0.40 | 20 05.36 0.40 | 20 03.49 0.40 | 19 57.28 0.40 | 19 45.00 0.40 | 19 33.16 0.40 | 19 11.25 0.40 | 18 51.46 0.39 |
| 174.0 | 20 11.49 0.35 | 20 05.73 0.35 | 20 03.87 0.35 | 19 57.65 0.35 | 19 45.37 0.34 | 19 33.53 0.34 | 19 11.62 0.34 | 18 51.83 0.34 |
| 175.0 | 20 11.81 0.29 | 20 06.05 0.29 | 20 04.19 0.29 | 19 57.97 0.29 | 19 45.69 0.29 | 19 33.85 0.29 | 19 11.93 0.28 | 18 52.13 0.28 |
| 176.0 | 20 12.07 0.23 | 20 06.31 0.23 | 20 04.44 0.23 | 19 58.23 0.23 | 19 45.94 0.23 | 19 34.10 0.23 | 19 12.18 0.23 | 18 52.38 0.22 |
| 177.0 | 20 12.27 0.17 | 20 06.51 0.17 | 20 04.65 0.17 | 19 58.43 0.17 | 19 46.14 0.17 | 19 34.30 0.17 | 19 12.38 0.17 | 18 52.58 0.17 |
| 178.0 | 20 12.41 0.12 | 20 06.66 0.12 | 20 04.79 0.12 | 19 58.58 0.12 | 19 46.29 0.11 | 19 34.45 0.11 | 19 12.52 0.11 | 18 52.72 0.11 |
| 179.0 | 20 12.50 0.06 | 20 06.74 0.06 | 20 04.88 0.06 | 19 58.66 0.06 | 19 46.37 0.06 | 19 34.53 0.06 | 19 12.61 0.06 | 18 52.80 0.06 |
| 180.0 | 20 12.53 0.00 | 20 06.77 0.00 | 20 04.91 0.00 | 19 58.69 0.00 | 19 46.40 0.00 | 19 34.56 0.00 | 19 12.64 0.00 | 18 52.83 0.00 |

| SKSac Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 61.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 17 52.27 7.59 |
| 62.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 18 32.62 7.59 | 17 59.86 7.59 |
| 63.0 | 20 22.72 7.59 | 20 13.35 7.59 | 20 10.16 7.59 | 19 59.57 7.59 | 19 38.51 7.59 | 19 17.92 7.59 | 18 40.21 7.59 | 18 07.45 7.59 |
| 64.0 | 20 30.31 7.59 | 20 20.94 7.59 | 20 17.75 7.59 | 20 07.16 7.59 | 19 46.10 7.59 | 19 25.51 7.59 | 18 47.80 7.59 | 18 15.03 7.58 |
| 65.0 | 20 37.90 7.59 | 20 28.53 7.59 | 20 25.34 7.59 | 20 14.75 7.59 | 19 53.69 7.59 | 19 33.10 7.59 | 18 55.39 7.58 | 18 22.62 7.58 |
| 66.0 | 20 45.49 7.59 | 20 36.11 7.59 | 20 32.93 7.59 | 20 22.34 7.58 | 20 01.28 7.58 | 19 40.69 7.58 | 19 02.97 7.58 | 18 30.19 7.57 |
| 67.0 | 20 53.07 7.58 | 20 43.70 7.58 | 20 40.51 7.58 | 20 29.92 7.58 | 20 08.86 7.58 | 19 48.27 7.58 | 19 10.54 7.57 | 18 37.76 7.56 |
| 68.0 | 21 00.65 7.58 | 20 51.28 7.58 | 20 48.09 7.58 | 20 37.50 7.57 | 20 16.43 7.57 | 19 55.84 7.57 | 19 18.11 7.56 | 18 45.32 7.55 |
| 69.0 | 21 08.22 7.57 | 20 58.85 7.57 | 20 55.66 7.57 | 20 45.07 7.57 | 20 24.00 7.56 | 20 03.40 7.56 | 19 25.67 7.55 | 18 52.87 7.54 |
| 70.0 | 21 15.79 7.56 | 21 06.41 7.56 | 21 03.23 7.56 | 20 52.63 7.56 | 20 31.56 7.55 | 20 10.96 7.55 | 19 33.22 7.54 | 19 00.40 7.53 |
| 71.0 | 21 23.34 7.55 | 21 13.97 7.55 | 21 10.78 7.55 | 21 00.19 7.55 | 20 39.11 7.54 | 20 18.51 7.54 | 19 40.75 7.53 | 19 07.93 7.52 |
| 72.0 | 21 30.89 7.54 | 21 21.51 7.54 | 21 18.32 7.54 | 21 07.73 7.53 | 20 46.64 7.53 | 20 26.04 7.52 | 19 48.27 7.51 | 19 15.44 7.50 |
| 73.0 | 21 38.42 7.52 | 21 29.04 7.52 | 21 25.85 7.52 | 21 15.25 7.52 | 20 54.17 7.52 | 20 33.56 7.51 | 19 55.78 7.50 | 19 22.92 7.47 |
| 74.0 | 21 45.93 7.51 | 21 36.55 7.51 | 21 33.37 7.51 | 21 22.76 7.50 | 21 01.67 7.50 | 20 41.06 7.49 | 20 03.26 7.47 | 19 30.35 7.37 |
| 75.0 | 21 53.43 7.49 | 21 44.05 7.49 | 21 40.86 7.49 | 21 30.26 7.48 | 21 09.16 7.47 | 20 48.53 7.45 | 20 10.68 7.35 | 19 37.67 7.26 |
| 76.0 | 22 00.90 7.44 | 21 51.52 7.42 | 21 48.33 7.42 | 21 37.71 7.40 | 21 16.58 7.36 | 20 55.92 7.32 | 20 17.98 7.25 | 19 44.88 7.17 |
| 77.0 | 22 08.27 7.31 | 21 58.88 7.30 | 21 55.68 7.30 | 21 45.05 7.28 | 21 23.89 7.25 | 21 03.19 7.22 | 20 25.19 7.15 | 19 52.00 7.06 |
| 78.0 | 22 15.53 7.21 | 22 06.13 7.20 | 22 02.92 7.20 | 21 52.28 7.18 | 21 31.09 7.15 | 21 10.36 7.12 | 20 32.28 7.04 | 19 59.00 6.94 |
| 79.0 | 22 22.69 7.10 | 22 13.27 7.09 | 22 10.07 7.09 | 21 59.41 7.07 | 21 38.18 7.04 | 21 17.42 7.00 | 20 39.26 6.92 | 20 05.88 6.82 |
| 80.0 | 22 29.73 6.98 | 22 20.30 6.97 | 22 17.09 6.96 | 22 06.42 6.95 | 21 45.16 6.92 | 21 24.36 6.88 | 20 46.12 6.80 | 20 12.64 6.71 |
| 81.0 | 22 36.64 6.86 | 22 27.21 6.85 | 22 24.00 6.84 | 22 13.30 6.83 | 21 52.02 6.79 | 21 31.18 6.76 | 20 52.86 6.68 | 20 19.29 6.59 |
| 82.0 | 22 43.44 6.73 | 22 34.00 6.73 | 22 30.78 6.72 | 22 20.07 6.71 | 21 58.75 6.67 | 21 37.88 6.64 | 20 59.49 6.56 | 20 25.82 6.47 |
| 83.0 | 22 50.11 6.61 | 22 40.66 6.60 | 22 37.44 6.60 | 22 26.71 6.58 | 22 05.36 6.55 | 21 44.46 6.52 | 21 05.99 6.44 | 20 32.23 6.36 |
| 84.0 | 22 56.66 6.49 | 22 47.20 6.48 | 22 43.97 6.48 | 22 33.23 6.46 | 22 11.85 6.43 | 21 50.91 6.40 | 21 12.37 6.33 | 20 38.54 6.25 |
| 85.0 | 23 03.09 6.37 | 22 53.62 6.36 | 22 50.39 6.36 | 22 39.63 6.34 | 22 18.22 6.31 | 21 57.26 6.28 | 21 18.64 6.21 | 20 44.72 6.13 |
| 86.0 | 23 09.40 6.25 | 22 59.93 6.24 | 22 56.69 6.24 | 22 45.92 6.23 | 22 24.48 6.20 | 22 03.48 6.17 | 21 24.80 6.10 | 20 50.81 6.03 |

| SKSac Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 86.0 | 23 09.40 6.25 | 22 59.93 6.24 | 22 56.69 6.24 | 22 45.92 6.23 | 22 24.48 6.20 | 22 03.48 6.17 | 21 24.80 6.10 | 20 50.81 6.03 |
| 87.0 | 23 15.59 6.14 | 23 06.11 6.13 | 23 02.87 6.13 | 22 52.09 6.11 | 22 30.62 6.09 | 22 09.59 6.06 | 21 30.85 6.00 | 20 56.79 5.93 |
| 88.0 | 23 21.67 6.03 | 23 12.19 6.02 | 23 08.94 6.02 | 22 58.15 6.01 | 22 36.65 5.98 | 22 15.60 5.96 | 21 36.80 5.90 | 21 02.67 5.83 |
| 89.0 | 23 27.65 5.92 | 23 18.16 5.92 | 23 14.91 5.91 | 23 04.10 5.90 | 22 42.58 5.88 | 22 21.50 5.85 | 21 42.65 5.80 | 21 08.45 5.74 |
| 90.0 | 23 33.52 5.82 | 23 24.02 5.82 | 23 20.77 5.81 | 23 09.95 5.80 | 22 48.41 5.78 | 22 27.31 5.76 | 21 48.40 5.70 | 21 14.14 5.64 |
| 91.0 | 23 39.30 5.72 | 23 29.79 5.72 | 23 26.53 5.71 | 23 15.70 5.70 | 22 54.14 5.68 | 22 33.02 5.66 | 21 54.06 5.61 | 21 19.73 5.55 |
| 92.0 | 23 44.97 5.63 | 23 35.46 5.62 | 23 32.20 5.62 | 23 21.36 5.61 | 22 59.77 5.59 | 22 38.63 5.56 | 21 59.62 5.52 | 21 25.24 5.46 |
| 93.0 | 23 50.55 5.53 | 23 41.03 5.53 | 23 37.77 5.52 | 23 26.92 5.51 | 23 05.31 5.49 | 22 44.15 5.47 | 22 05.09 5.42 | 21 30.65 5.37 |
| 94.0 | 23 56.03 5.44 | 23 46.51 5.43 | 23 43.24 5.43 | 23 32.38 5.42 | 23 10.76 5.40 | 22 49.57 5.38 | 22 10.47 5.34 | 21 35.98 5.28 |
| 95.0 | 24 01.42 5.35 | 23 51.90 5.34 | 23 48.63 5.34 | 23 37.76 5.33 | 23 16.11 5.31 | 22 54.91 5.29 | 22 15.76 5.25 | 21 41.21 5.20 |
| 96.0 | 24 06.73 5.26 | 23 57.19 5.25 | 23 53.92 5.25 | 23 43.04 5.24 | 23 21.38 5.22 | 23 00.16 5.20 | 22 20.97 5.16 | 21 46.37 5.11 |
| 97.0 | 24 11.94 5.17 | 24 02.40 5.16 | 23 59.13 5.16 | 23 48.24 5.15 | 23 26.56 5.14 | 23 05.32 5.12 | 22 26.08 5.08 | 21 51.44 5.03 |
| 98.0 | 24 17.06 5.08 | 24 07.52 5.08 | 24 04.25 5.08 | 23 53.35 5.07 | 23 31.65 5.05 | 23 10.39 5.03 | 22 31.12 5.00 | 21 56.43 4.95 |
| 99.0 | 24 22.10 5.00 | 24 12.56 4.99 | 24 09.28 4.99 | 23 58.38 4.98 | 23 36.66 4.97 | 23 15.38 4.95 | 22 36.07 4.91 | 22 01.34 4.87 |
| 100.0 | 24 27.06 4.92 | 24 17.51 4.91 | 24 14.23 4.91 | 24 03.32 4.90 | 23 41.59 4.89 | 23 20.29 4.87 | 22 40.95 4.83 | 22 06.17 4.79 |
| 101.0 | 24 31.94 4.84 | 24 22.38 4.83 | 24 19.10 4.83 | 24 08.18 4.82 | 23 46.44 4.81 | 23 25.13 4.79 | 22 45.74 4.76 | 22 10.92 4.71 |
| 102.0 | 24 36.73 4.75 | 24 27.17 4.75 | 24 23.89 4.75 | 24 12.96 4.74 | 23 51.20 4.73 | 23 29.88 4.71 | 22 50.46 4.68 | 22 15.60 4.64 |
| 103.0 | 24 41.45 4.67 | 24 31.88 4.67 | 24 28.60 4.67 | 24 17.67 4.66 | 23 55.89 4.65 | 23 34.55 4.63 | 22 55.10 4.60 | 22 20.19 4.56 |
| 104.0 | 24 46.08 4.60 | 24 36.52 4.59 | 24 33.23 4.59 | 24 22.29 4.58 | 24 00.50 4.57 | 23 39.14 4.56 | 22 59.66 4.52 | 22 24.72 4.49 |
| 105.0 | 24 50.64 4.52 | 24 41.07 4.52 | 24 37.78 4.51 | 24 26.83 4.51 | 24 05.03 4.50 | 23 43.66 4.48 | 23 04.15 4.45 | 22 29.17 4.42 |
| 106.0 | 24 55.12 4.45 | 24 45.55 4.44 | 24 42.26 4.44 | 24 31.30 4.44 | 24 09.49 4.42 | 23 48.11 4.41 | 23 08.56 4.38 | 22 33.55 4.35 |
| 107.0 | 24 59.53 4.38 | 24 49.96 4.37 | 24 46.66 4.37 | 24 35.70 4.36 | 24 13.88 4.35 | 23 52.48 4.34 | 23 12.91 4.31 | 22 37.86 4.28 |
| 108.0 | 25 03.87 4.30 | 24 54.29 4.30 | 24 51.00 4.30 | 24 40.03 4.29 | 24 18.19 4.28 | 23 56.79 4.27 | 23 17.19 4.24 | 22 42.11 4.21 |
| 109.0 | 25 08.14 4.23 | 24 58.56 4.23 | 24 55.26 4.23 | 24 44.29 4.22 | 24 22.44 4.21 | 24 01.02 4.20 | 23 21.39 4.17 | 22 46.28 4.14 |
| 110.0 | 25 12.34 4.16 | 25 02.76 4.16 | 24 59.46 4.16 | 24 48.48 4.15 | 24 26.62 4.14 | 24 05.19 4.13 | 23 25.53 4.10 | 22 50.39 4.07 |
| 111.0 | 25 16.47 4.09 | 25 06.88 4.09 | 25 03.58 4.09 | 24 52.60 4.08 | 24 30.73 4.07 | 24 09.28 4.06 | 23 29.60 4.04 | 22 54.43 4.01 |

| SKSac Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 111.0 | 25 16.47 4.09 | 25 06.88 4.09 | 25 03.58 4.09 | 24 52.60 4.08 | 24 30.73 4.07 | 24 09.28 4.06 | 23 29.60 4.04 | 22 54.43 4.01 |
| 112.0 | 25 20.53 4.02 | 25 10.94 4.02 | 25 07.64 4.02 | 24 56.65 4.02 | 24 34.77 4.00 | 24 13.31 3.99 | 23 33.61 3.97 | 22 58.40 3.94 |
| 113.0 | 25 24.52 3.96 | 25 14.93 3.95 | 25 11.62 3.95 | 25 00.63 3.95 | 24 38.74 3.94 | 24 17.27 3.93 | 23 37.54 3.90 | 23 02.30 3.87 |
| 114.0 | 25 28.44 3.89 | 25 18.84 3.88 | 25 15.54 3.88 | 25 04.54 3.88 | 24 42.64 3.87 | 24 21.16 3.86 | 23 41.41 3.83 | 23 06.14 3.80 |
| 115.0 | 25 32.30 3.82 | 25 22.69 3.82 | 25 19.39 3.81 | 25 08.39 3.81 | 24 46.47 3.80 | 24 24.98 3.79 | 23 45.21 3.76 | 23 09.91 3.74 |
| 116.0 | 25 36.08 3.75 | 25 26.48 3.75 | 25 23.17 3.75 | 25 12.16 3.74 | 24 50.24 3.73 | 24 28.74 3.72 | 23 48.94 3.70 | 23 13.61 3.67 |
| 117.0 | 25 39.80 3.68 | 25 30.19 3.68 | 25 26.88 3.68 | 25 15.87 3.67 | 24 53.93 3.66 | 24 32.43 3.65 | 23 52.60 3.63 | 23 17.25 3.60 |
| 118.0 | 25 43.44 3.61 | 25 33.83 3.61 | 25 30.52 3.61 | 25 19.51 3.61 | 24 57.56 3.60 | 24 36.05 3.59 | 23 56.20 3.56 | 23 20.82 3.54 |
| 119.0 | 25 47.02 3.55 | 25 37.41 3.54 | 25 34.10 3.54 | 25 23.08 3.54 | 25 01.13 3.53 | 24 39.60 3.52 | 23 59.73 3.50 | 23 24.33 3.47 |
| 120.0 | 25 50.54 3.48 | 25 40.92 3.48 | 25 37.61 3.48 | 25 26.59 3.47 | 25 04.62 3.46 | 24 43.09 3.46 | 24 03.20 3.43 | 23 27.77 3.41 |
| 121.0 | 25 53.99 3.42 | 25 44.37 3.41 | 25 41.06 3.41 | 25 30.03 3.41 | 25 08.06 3.40 | 24 46.51 3.39 | 24 06.60 3.37 | 23 31.15 3.34 |
| 122.0 | 25 57.37 3.35 | 25 47.75 3.35 | 25 44.43 3.34 | 25 33.40 3.34 | 25 11.42 3.33 | 24 49.87 3.32 | 24 09.93 3.30 | 23 34.46 3.28 |
| 123.0 | 26 00.68 3.28 | 25 51.06 3.28 | 25 47.74 3.28 | 25 36.71 3.27 | 25 14.72 3.26 | 24 53.16 3.26 | 24 13.20 3.24 | 23 37.70 3.21 |
| 124.0 | 26 03.93 3.21 | 25 54.31 3.21 | 25 50.99 3.21 | 25 39.95 3.21 | 25 17.95 3.20 | 24 56.38 3.19 | 24 16.41 3.17 | 23 40.88 3.15 |
| 125.0 | 26 07.11 3.15 | 25 57.49 3.15 | 25 54.17 3.15 | 25 43.12 3.14 | 25 21.12 3.13 | 24 59.54 3.13 | 24 19.55 3.11 | 23 44.00 3.08 |
| 126.0 | 26 10.23 3.08 | 26 00.60 3.08 | 25 57.28 3.08 | 25 46.23 3.08 | 25 24.22 3.07 | 25 02.63 3.06 | 24 22.62 3.04 | 23 47.05 3.02 |
| 127.0 | 26 13.28 3.02 | 26 03.65 3.02 | 26 00.33 3.01 | 25 49.27 3.01 | 25 27.25 3.00 | 25 05.66 2.99 | 24 25.63 2.98 | 23 50.04 2.96 |
| 128.0 | 26 16.26 2.95 | 26 06.63 2.95 | 26 03.31 2.95 | 25 52.25 2.94 | 25 30.22 2.94 | 25 08.62 2.93 | 24 28.57 2.91 | 23 52.96 2.89 |
| 129.0 | 26 19.18 2.89 | 26 09.55 2.88 | 26 06.22 2.88 | 25 55.16 2.88 | 25 33.13 2.87 | 25 11.52 2.86 | 24 31.45 2.85 | 23 55.82 2.83 |
| 130.0 | 26 22.03 2.82 | 26 12.40 2.82 | 26 09.07 2.82 | 25 58.01 2.81 | 25 35.97 2.81 | 25 14.35 2.80 | 24 34.27 2.78 | 23 58.62 2.76 |
| 131.0 | 26 24.82 2.75 | 26 15.18 2.75 | 26 11.86 2.75 | 26 00.79 2.75 | 25 38.74 2.74 | 25 17.11 2.73 | 24 37.02 2.71 | 24 01.35 2.70 |
| 132.0 | 26 27.54 2.69 | 26 17.90 2.68 | 26 14.57 2.68 | 26 03.50 2.68 | 25 41.45 2.67 | 25 19.81 2.67 | 24 39.70 2.65 | 24 04.01 2.63 |
| 133.0 | 26 30.19 2.62 | 26 20.55 2.62 | 26 17.22 2.62 | 26 06.15 2.61 | 25 44.09 2.61 | 25 22.44 2.60 | 24 42.32 2.59 | 24 06.61 2.57 |
| 134.0 | 26 32.78 2.56 | 26 23.14 2.56 | 26 19.81 2.55 | 26 08.73 2.55 | 25 46.66 2.55 | 25 25.01 2.54 | 24 44.87 2.53 | 24 09.15 2.51 |
| 135.0 | 26 35.31 2.50 | 26 25.66 2.50 | 26 22.33 2.49 | 26 11.25 2.49 | 25 49.18 2.49 | 25 27.52 2.48 | 24 47.37 2.47 | 24 11.63 2.45 |
| 136.0 | 26 37.77 2.44 | 26 28.13 2.44 | 26 24.80 2.44 | 26 13.71 2.43 | 25 51.64 2.43 | 25 29.98 2.42 | 24 49.81 2.41 | 24 14.05 2.40 |

| SKSac Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 136.0 | 26 37.77 2.44 | 26 28.13 2.44 | 26 24.80 2.44 | 26 13.71 2.43 | 25 51.64 2.43 | 25 29.98 2.42 | 24 49.81 2.41 | 24 14.05 2.40 |
| 137.0 | 26 40.19 2.39 | 26 30.54 2.39 | 26 27.21 2.39 | 26 16.12 2.38 | 25 54.04 2.38 | 25 32.37 2.37 | 24 52.19 2.36 | 24 16.43 2.35 |
| 138.0 | 26 42.55 2.34 | 26 32.90 2.34 | 26 29.57 2.34 | 26 18.48 2.33 | 25 56.39 2.33 | 25 34.72 2.33 | 24 54.53 2.32 | 24 18.75 2.30 |
| 139.0 | 26 44.86 2.29 | 26 35.21 2.29 | 26 31.88 2.29 | 26 20.79 2.29 | 25 58.70 2.28 | 25 37.02 2.28 | 24 56.83 2.27 | 24 21.03 2.26 |
| 140.0 | 26 47.13 2.24 | 26 37.48 2.24 | 26 34.15 2.24 | 26 23.06 2.24 | 26 00.96 2.24 | 25 39.28 2.23 | 24 59.07 2.22 | 24 23.27 2.21 |
| 141.0 | 26 49.35 2.20 | 26 39.70 2.20 | 26 36.37 2.20 | 26 25.27 2.20 | 26 03.17 2.19 | 25 41.49 2.19 | 25 01.28 2.18 | 24 25.46 2.17 |
| 142.0 | 26 51.53 2.16 | 26 41.88 2.16 | 26 38.55 2.16 | 26 27.45 2.16 | 26 05.35 2.16 | 25 43.66 2.15 | 25 03.44 2.15 | 24 27.62 2.14 |
| 143.0 | 26 53.68 2.12 | 26 44.02 2.12 | 26 40.69 2.12 | 26 29.59 2.12 | 26 07.49 2.12 | 25 45.80 2.11 | 25 05.57 2.11 | 24 29.74 2.10 |
| 144.0 | 26 55.78 2.08 | 26 46.13 2.08 | 26 42.79 2.08 | 26 31.69 2.08 | 26 09.58 2.08 | 25 47.89 2.07 | 25 05.57 2.11 | 24 29.74 2.10 |

| SKSdf Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 105.0 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 0 00.00 0.00 | 24 50.83 1.92 | 24 29.13 1.92 | 23 48.86 1.92 | 23 12.99 1.92 |
| 106.0 | 25 38.97 1.92 | 25 29.32 1.92 | 25 25.98 1.92 | 25 14.88 1.92 | 24 52.75 1.92 | 24 31.05 1.92 | 23 50.78 1.92 | 23 14.91 1.92 |
| 107.0 | 25 40.90 1.92 | 25 31.24 1.92 | 25 27.90 1.92 | 25 16.80 1.92 | 24 54.68 1.92 | 24 32.97 1.92 | 23 52.71 1.92 | 23 16.84 1.92 |
| 108.0 | 25 42.82 1.92 | 25 33.16 1.92 | 25 29.83 1.92 | 25 18.72 1.92 | 24 56.60 1.92 | 24 34.90 1.92 | 23 54.63 1.92 | 23 18.76 1.92 |
| 109.0 | 25 44.74 1.92 | 25 35.09 1.92 | 25 31.75 1.92 | 25 20.65 1.92 | 24 58.52 1.92 | 24 36.82 1.92 | 23 56.55 1.92 | 23 20.68 1.92 |
| 110.0 | 25 46.67 1.92 | 25 37.01 1.92 | 25 33.67 1.92 | 25 22.57 1.92 | 25 00.45 1.92 | 24 38.74 1.92 | 23 58.48 1.92 | 23 22.61 1.92 |
| 111.0 | 25 48.59 1.92 | 25 38.93 1.92 | 25 35.59 1.92 | 25 24.49 1.92 | 25 02.37 1.92 | 24 40.66 1.92 | 24 00.40 1.92 | 23 24.53 1.92 |
| 112.0 | 25 50.51 1.92 | 25 40.85 1.92 | 25 37.51 1.92 | 25 26.41 1.92 | 25 04.29 1.92 | 24 42.58 1.92 | 24 02.32 1.92 | 23 26.45 1.92 |
| 113.0 | 25 52.43 1.92 | 25 42.77 1.92 | 25 39.43 1.92 | 25 28.33 1.92 | 25 06.21 1.92 | 24 44.50 1.92 | 24 04.24 1.92 | 23 28.36 1.92 |
| 114.0 | 25 54.35 1.92 | 25 44.69 1.92 | 25 41.35 1.92 | 25 30.25 1.92 | 25 08.13 1.92 | 24 46.42 1.92 | 24 06.15 1.92 | 23 30.28 1.92 |
| 115.0 | 25 56.26 1.91 | 25 46.60 1.91 | 25 43.27 1.91 | 25 32.16 1.91 | 25 10.04 1.91 | 24 48.34 1.91 | 24 08.07 1.91 | 23 32.20 1.91 |
| 116.0 | 25 58.18 1.91 | 25 48.52 1.91 | 25 45.18 1.91 | 25 34.08 1.91 | 25 11.95 1.91 | 24 50.25 1.91 | 24 09.98 1.91 | 23 34.11 1.91 |
| 117.0 | 26 00.09 1.91 | 25 50.43 1.91 | 25 47.09 1.91 | 25 35.99 1.91 | 25 13.86 1.91 | 24 52.16 1.91 | 24 11.89 1.91 | 23 36.02 1.91 |
| 118.0 | 26 01.99 1.91 | 25 52.34 1.91 | 25 49.00 1.91 | 25 37.90 1.91 | 25 15.77 1.91 | 24 54.07 1.91 | 24 13.80 1.90 | 23 37.92 1.90 |
| 119.0 | 26 03.90 1.90 | 25 54.24 1.90 | 25 50.90 1.90 | 25 39.80 1.90 | 25 17.68 1.90 | 24 55.97 1.90 | 24 15.70 1.90 | 23 39.82 1.90 |
| 120.0 | 26 05.80 1.90 | 25 56.14 1.90 | 25 52.80 1.90 | 25 41.70 1.90 | 25 19.58 1.90 | 24 57.87 1.90 | 24 17.60 1.90 | 23 41.72 1.90 |
| 121.0 | 26 07.70 1.89 | 25 58.04 1.89 | 25 54.70 1.89 | 25 43.60 1.89 | 25 21.47 1.89 | 24 59.77 1.89 | 24 19.49 1.89 | 23 43.62 1.89 |
| 122.0 | 26 09.59 1.89 | 25 59.93 1.89 | 25 56.59 1.89 | 25 45.49 1.89 | 25 23.36 1.89 | 25 01.66 1.89 | 24 21.38 1.89 | 23 45.51 1.89 |
| 123.0 | 26 11.47 1.88 | 26 01.82 1.88 | 25 58.48 1.88 | 25 47.37 1.88 | 25 25.25 1.88 | 25 03.54 1.88 | 24 23.27 1.88 | 23 47.39 1.88 |
| 124.0 | 26 13.35 1.88 | 26 03.70 1.88 | 26 00.36 1.88 | 25 49.25 1.88 | 25 27.13 1.88 | 25 05.42 1.88 | 24 25.15 1.87 | 23 49.26 1.87 |
| 125.0 | 26 15.23 1.87 | 26 05.57 1.87 | 26 02.23 1.87 | 25 51.13 1.87 | 25 29.00 1.87 | 25 07.29 1.87 | 24 27.02 1.87 | 23 51.13 1.87 |
| 126.0 | 26 17.09 1.86 | 26 07.44 1.86 | 26 04.10 1.86 | 25 52.99 1.86 | 25 30.87 1.86 | 25 09.16 1.86 | 24 28.88 1.86 | 23 53.00 1.86 |
| 127.0 | 26 18.95 1.85 | 26 09.29 1.85 | 26 05.96 1.85 | 25 54.85 1.85 | 25 32.72 1.85 | 25 11.01 1.85 | 24 30.73 1.85 | 23 54.85 1.85 |
| 128.0 | 26 20.80 1.84 | 26 11.14 1.84 | 26 07.80 1.84 | 25 56.70 1.84 | 25 34.57 1.84 | 25 12.86 1.84 | 24 32.58 1.84 | 23 56.69 1.84 |
| 129.0 | 26 22.64 1.83 | 26 12.98 1.83 | 26 09.64 1.83 | 25 58.54 1.83 | 25 36.41 1.83 | 25 14.70 1.83 | 24 34.41 1.83 | 23 58.52 1.83 |
| 130.0 | 26 24.47 1.82 | 26 14.81 1.82 | 26 11.47 1.82 | 26 00.36 1.82 | 25 38.23 1.82 | 25 16.52 1.82 | 24 36.24 1.82 | 24 00.34 1.82 |

| SKSdf Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 130.0 | 26 24.47 1.82 | 26 14.81 1.82 | 26 11.47 1.82 | 26 00.36 1.82 | 25 38.23 1.82 | 25 16.52 1.82 | 24 36.24 1.82 | 24 00.34 1.82 |
| 131.0 | 26 26.28 1.81 | 26 16.62 1.81 | 26 13.29 1.81 | 26 02.18 1.81 | 25 40.05 1.81 | 25 18.34 1.81 | 24 38.05 1.80 | 24 02.15 1.80 |
| 132.0 | 26 28.09 1.80 | 26 18.43 1.80 | 26 15.09 1.80 | 26 03.98 1.79 | 25 41.85 1.79 | 25 20.14 1.79 | 24 39.85 1.79 | 24 03.95 1.79 |
| 133.0 | 26 29.87 1.78 | 26 20.21 1.78 | 26 16.88 1.78 | 26 05.77 1.78 | 25 43.64 1.78 | 25 21.92 1.78 | 24 41.63 1.78 | 24 05.73 1.77 |
| 134.0 | 26 31.65 1.76 | 26 21.99 1.76 | 26 18.65 1.76 | 26 07.54 1.76 | 25 45.41 1.76 | 25 23.69 1.76 | 24 43.40 1.76 | 24 07.49 1.75 |
| 135.0 | 26 33.40 1.75 | 26 23.74 1.75 | 26 20.40 1.75 | 26 09.29 1.75 | 25 47.16 1.74 | 25 25.44 1.74 | 24 45.15 1.74 | 24 09.24 1.74 |
| 136.0 | 26 35.14 1.73 | 26 25.48 1.73 | 26 22.14 1.73 | 26 11.03 1.73 | 25 48.89 1.72 | 25 27.18 1.72 | 24 46.88 1.72 | 24 10.96 1.72 |
| 137.0 | 26 36.86 1.71 | 26 27.20 1.71 | 26 23.86 1.71 | 26 12.75 1.71 | 25 50.61 1.70 | 25 28.89 1.70 | 24 48.59 1.70 | 24 12.67 1.69 |
| 138.0 | 26 38.55 1.68 | 26 28.89 1.68 | 26 25.55 1.68 | 26 14.44 1.68 | 25 52.30 1.68 | 25 30.58 1.68 | 24 50.27 1.68 | 24 14.35 1.67 |
| 139.0 | 26 40.23 1.66 | 26 30.56 1.66 | 26 27.22 1.66 | 26 16.11 1.66 | 25 53.97 1.66 | 25 32.25 1.66 | 24 51.94 1.65 | 24 16.01 1.65 |
| 140.0 | 26 41.87 1.64 | 26 32.21 1.63 | 26 28.87 1.63 | 26 17.76 1.63 | 25 55.62 1.63 | 25 33.89 1.63 | 24 53.58 1.63 | 24 17.65 1.62 |
| 141.0 | 26 43.49 1.61 | 26 33.83 1.61 | 26 30.49 1.61 | 26 19.38 1.61 | 25 57.23 1.60 | 25 35.51 1.60 | 24 55.19 1.60 | 24 19.25 1.59 |
| 142.0 | 26 45.09 1.58 | 26 35.42 1.58 | 26 32.08 1.58 | 26 20.97 1.57 | 25 58.82 1.57 | 25 37.09 1.57 | 24 56.77 1.57 | 24 20.83 1.56 |
| 143.0 | 26 46.65 1.54 | 26 36.98 1.54 | 26 33.64 1.54 | 26 22.53 1.54 | 26 00.38 1.54 | 25 38.65 1.54 | 24 58.32 1.53 | 24 22.37 1.53 |
| 144.0 | 26 48.17 1.51 | 26 38.51 1.51 | 26 35.17 1.51 | 26 24.05 1.51 | 26 01.90 1.51 | 25 40.17 1.51 | 24 59.84 1.50 | 24 23.89 1.50 |
| 145.0 | 26 49.67 1.48 | 26 40.00 1.48 | 26 36.66 1.48 | 26 25.54 1.48 | 26 03.39 1.47 | 25 41.66 1.47 | 25 01.32 1.47 | 24 25.36 1.46 |
| 146.0 | 26 51.13 1.44 | 26 41.46 1.44 | 26 38.12 1.44 | 26 27.00 1.44 | 26 04.85 1.44 | 25 43.11 1.44 | 25 02.77 1.43 | 24 26.81 1.43 |
| 147.0 | 26 52.56 1.41 | 26 42.89 1.41 | 26 39.55 1.41 | 26 28.43 1.41 | 26 06.28 1.41 | 25 44.54 1.40 | 25 04.19 1.40 | 24 28.22 1.39 |
| 148.0 | 26 53.95 1.37 | 26 44.28 1.37 | 26 40.94 1.37 | 26 29.82 1.37 | 26 07.66 1.37 | 25 45.92 1.37 | 25 05.57 1.36 | 24 29.60 1.36 |
| 149.0 | 26 55.31 1.34 | 26 45.64 1.34 | 26 42.30 1.34 | 26 31.18 1.34 | 26 09.02 1.33 | 25 47.27 1.33 | 25 06.92 1.33 | 24 30.94 1.32 |
| 150.0 | 26 56.62 1.30 | 26 46.96 1.30 | 26 43.61 1.30 | 26 32.49 1.30 | 26 10.33 1.30 | 25 48.59 1.29 | 25 08.23 1.29 | 24 32.24 1.28 |
| 151.0 | 26 57.91 1.26 | 26 48.24 1.26 | 26 44.89 1.26 | 26 33.77 1.26 | 26 11.61 1.26 | 25 49.86 1.26 | 25 09.50 1.25 | 24 33.51 1.25 |
| 152.0 | 26 59.15 1.22 | 26 49.48 1.22 | 26 46.14 1.22 | 26 35.01 1.22 | 26 12.85 1.22 | 25 51.10 1.22 | 25 10.73 1.21 | 24 34.74 1.21 |
| 153.0 | 27 00.35 1.18 | 26 50.68 1.18 | 26 47.34 1.18 | 26 36.21 1.18 | 26 14.05 1.18 | 25 52.30 1.18 | 25 11.92 1.17 | 24 35.93 1.17 |
| 154.0 | 27 01.51 1.14 | 26 51.84 1.14 | 26 48.50 1.14 | 26 37.38 1.14 | 26 15.21 1.14 | 25 53.46 1.14 | 25 13.08 1.13 | 24 37.07 1.13 |
| 155.0 | 27 02.64 1.10 | 26 52.97 1.10 | 26 49.62 1.10 | 26 38.50 1.10 | 26 16.33 1.10 | 25 54.57 1.10 | 25 14.19 1.09 | 24 38.18 1.09 |

| SKSdf Δ | Depth of source [km] | | | | | | | |
|-------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 155.0 | 27 02.64 1.10 | 26 52.97 1.10 | 26 49.62 1.10 | 26 38.50 1.10 | 26 16.33 1.10 | 25 54.57 1.10 | 25 14.19 1.09 | 24 38.18 1.09 |
| 156.0 | 27 03.72 1.06 | 26 54.05 1.06 | 26 50.70 1.06 | 26 39.58 1.06 | 26 17.41 1.06 | 25 55.65 1.06 | 25 15.26 1.05 | 24 39.25 1.05 |
| 157.0 | 27 04.76 1.02 | 26 55.09 1.02 | 26 51.74 1.02 | 26 40.62 1.02 | 26 18.44 1.02 | 25 56.68 1.02 | 25 16.30 1.01 | 24 40.28 1.01 |
| 158.0 | 27 05.76 0.98 | 26 56.09 0.98 | 26 52.74 0.98 | 26 41.61 0.98 | 26 19.44 0.97 | 25 57.68 0.97 | 25 17.29 0.97 | 24 41.26 0.96 |
| 159.0 | 27 06.71 0.94 | 26 57.04 0.93 | 26 53.70 0.93 | 26 42.57 0.93 | 26 20.39 0.93 | 25 58.63 0.93 | 25 18.23 0.93 | 24 42.21 0.92 |
| 160.0 | 27 07.63 0.89 | 26 57.96 0.89 | 26 54.61 0.89 | 26 43.48 0.89 | 26 21.30 0.89 | 25 59.54 0.89 | 25 19.14 0.88 | 24 43.11 0.88 |
| 161.0 | 27 08.50 0.85 | 26 58.83 0.85 | 26 55.48 0.85 | 26 44.35 0.85 | 26 22.17 0.85 | 26 00.41 0.84 | 25 20.00 0.84 | 24 43.97 0.84 |
| 162.0 | 27 09.33 0.81 | 26 59.65 0.81 | 26 56.31 0.80 | 26 45.18 0.80 | 26 22.99 0.80 | 26 01.23 0.80 | 25 20.82 0.80 | 24 44.78 0.79 |
| 163.0 | 27 10.11 0.76 | 27 00.44 0.76 | 26 57.09 0.76 | 26 45.96 0.76 | 26 23.78 0.76 | 26 02.01 0.76 | 25 21.60 0.76 | 24 45.56 0.75 |
| 164.0 | 27 10.85 0.72 | 27 01.18 0.72 | 26 57.83 0.72 | 26 46.70 0.72 | 26 24.51 0.72 | 26 02.75 0.71 | 25 22.33 0.71 | 24 46.29 0.71 |
| 165.0 | 27 11.55 0.67 | 27 01.87 0.67 | 26 58.53 0.67 | 26 47.39 0.67 | 26 25.21 0.67 | 26 03.44 0.67 | 25 23.02 0.67 | 24 46.97 0.66 |
| 166.0 | 27 12.20 0.63 | 27 02.52 0.63 | 26 59.18 0.63 | 26 48.04 0.63 | 26 25.86 0.63 | 26 04.09 0.63 | 25 23.67 0.62 | 24 47.62 0.62 |
| 167.0 | 27 12.81 0.59 | 27 03.13 0.59 | 26 59.78 0.59 | 26 48.65 0.58 | 26 26.46 0.58 | 26 04.69 0.58 | 25 24.27 0.58 | 24 48.22 0.58 |
| 168.0 | 27 13.37 0.54 | 27 03.69 0.54 | 27 00.35 0.54 | 26 49.21 0.54 | 26 27.03 0.54 | 26 05.25 0.54 | 25 24.83 0.54 | 24 48.77 0.53 |
| 169.0 | 27 13.89 0.50 | 27 04.21 0.50 | 27 00.87 0.50 | 26 49.73 0.50 | 26 27.54 0.49 | 26 05.77 0.49 | 25 25.34 0.49 | 24 49.28 0.49 |
| 170.0 | 27 14.36 0.45 | 27 04.69 0.45 | 27 01.34 0.45 | 26 50.20 0.45 | 26 28.01 0.45 | 26 06.24 0.45 | 25 25.81 0.45 | 24 49.75 0.45 |
| 171.0 | 27 14.79 0.41 | 27 05.11 0.41 | 27 01.77 0.41 | 26 50.63 0.41 | 26 28.44 0.41 | 26 06.67 0.40 | 25 26.24 0.40 | 24 50.17 0.40 |
| 172.0 | 27 15.17 0.36 | 27 05.50 0.36 | 27 02.15 0.36 | 26 51.02 0.36 | 26 28.83 0.36 | 26 07.05 0.36 | 25 26.62 0.36 | 24 50.55 0.36 |
| 173.0 | 27 15.51 0.32 | 27 05.84 0.32 | 27 02.49 0.32 | 26 51.35 0.32 | 26 29.16 0.32 | 26 07.39 0.32 | 25 26.96 0.31 | 24 50.89 0.31 |
| 174.0 | 27 15.81 0.27 | 27 06.13 0.27 | 27 02.78 0.27 | 26 51.65 0.27 | 26 29.46 0.27 | 26 07.68 0.27 | 25 27.25 0.27 | 24 51.18 0.27 |
| 175.0 | 27 16.06 0.23 | 27 06.38 0.23 | 27 03.03 0.23 | 26 51.90 0.23 | 26 29.70 0.23 | 26 07.93 0.23 | 25 27.49 0.22 | 24 51.42 0.22 |
| 176.0 | 27 16.26 0.18 | 27 06.58 0.18 | 27 03.24 0.18 | 26 52.10 0.18 | 26 29.91 0.18 | 26 08.13 0.18 | 25 27.69 0.18 | 24 51.62 0.18 |
| 177.0 | 27 16.42 0.14 | 27 06.74 0.14 | 27 03.40 0.14 | 26 52.26 0.14 | 26 30.07 0.14 | 26 08.29 0.14 | 25 27.85 0.13 | 24 51.78 0.13 |
| 178.0 | 27 16.53 0.09 | 27 06.86 0.09 | 27 03.51 0.09 | 26 52.37 0.09 | 26 30.18 0.09 | 26 08.40 0.09 | 25 27.96 0.09 | 24 51.89 0.09 |
| 179.0 | 27 16.60 0.05 | 27 06.92 0.05 | 27 03.58 0.05 | 26 52.44 0.05 | 26 30.25 0.05 | 26 08.47 0.05 | 25 28.03 0.04 | 24 51.96 0.04 |
| 180.0 | 27 16.62 0.00 | 27 06.95 0.00 | 27 03.60 0.00 | 26 52.46 0.00 | 26 30.27 0.00 | 26 08.49 0.00 | 25 28.05 0.00 | 24 51.98 0.00 |

| SKP Δ | Depth of source [km] | | | | | | | |
|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 110.0 | 0 00.00 <i>0.00</i> | 0 00.00 <i>0.00</i> | 0 00.00 <i>0.00</i> | 0 00.00 <i>0.00</i> | 0 00.00 <i>0.00</i> | 21 02.06 <i>1.92</i> | 20 21.79 <i>1.92</i> | 19 45.92 <i>1.92</i> |
| 111.0 | 22 11.90 <i>1.92</i> | 22 02.25 <i>1.92</i> | 21 58.91 <i>1.92</i> | 21 47.81 <i>1.92</i> | 21 25.69 <i>1.92</i> | 21 03.98 <i>1.92</i> | 20 23.72 <i>1.92</i> | 19 47.84 <i>1.92</i> |
| 112.0 | 22 13.83 <i>1.92</i> | 22 04.17 <i>1.92</i> | 22 00.83 <i>1.92</i> | 21 49.73 <i>1.92</i> | 21 27.61 <i>1.92</i> | 21 05.91 <i>1.92</i> | 20 25.64 <i>1.92</i> | 19 49.77 <i>1.92</i> |
| 113.0 | 22 15.75 <i>1.92</i> | 22 06.10 <i>1.92</i> | 22 02.76 <i>1.92</i> | 21 51.66 <i>1.92</i> | 21 29.53 <i>1.92</i> | 21 07.83 <i>1.92</i> | 20 27.56 <i>1.92</i> | 19 51.69 <i>1.92</i> |
| 114.0 | 22 17.68 <i>1.92</i> | 22 08.02 <i>1.92</i> | 22 04.68 <i>1.92</i> | 21 53.58 <i>1.92</i> | 21 31.46 <i>1.92</i> | 21 09.75 <i>1.92</i> | 20 29.49 <i>1.92</i> | 19 53.62 <i>1.92</i> |
| 115.0 | 22 19.60 <i>1.92</i> | 22 09.94 <i>1.92</i> | 22 06.60 <i>1.92</i> | 21 55.50 <i>1.92</i> | 21 33.38 <i>1.92</i> | 21 11.68 <i>1.92</i> | 20 31.41 <i>1.92</i> | 19 55.54 <i>1.92</i> |
| 116.0 | 22 21.52 <i>1.92</i> | 22 11.86 <i>1.92</i> | 22 08.53 <i>1.92</i> | 21 57.42 <i>1.92</i> | 21 35.30 <i>1.92</i> | 21 13.60 <i>1.92</i> | 20 33.33 <i>1.92</i> | 19 57.46 <i>1.92</i> |
| 117.0 | 22 23.44 <i>1.92</i> | 22 13.78 <i>1.92</i> | 22 10.45 <i>1.92</i> | 21 59.34 <i>1.92</i> | 21 37.22 <i>1.92</i> | 21 15.52 <i>1.92</i> | 20 35.25 <i>1.92</i> | 19 59.38 <i>1.92</i> |
| 118.0 | 22 25.36 <i>1.92</i> | 22 15.70 <i>1.92</i> | 22 12.37 <i>1.92</i> | 22 01.26 <i>1.92</i> | 21 39.14 <i>1.92</i> | 21 17.44 <i>1.92</i> | 20 37.17 <i>1.92</i> | 20 01.30 <i>1.92</i> |
| 119.0 | 22 27.28 <i>1.92</i> | 22 17.62 <i>1.92</i> | 22 14.28 <i>1.92</i> | 22 03.18 <i>1.92</i> | 21 41.06 <i>1.92</i> | 21 19.35 <i>1.92</i> | 20 39.09 <i>1.92</i> | 20 03.21 <i>1.92</i> |
| 120.0 | 22 29.19 <i>1.91</i> | 22 19.54 <i>1.91</i> | 22 16.20 <i>1.91</i> | 22 05.10 <i>1.91</i> | 21 42.97 <i>1.91</i> | 21 21.27 <i>1.91</i> | 20 41.00 <i>1.91</i> | 20 05.13 <i>1.91</i> |
| 121.0 | 22 31.11 <i>1.91</i> | 22 21.45 <i>1.91</i> | 22 18.11 <i>1.91</i> | 22 07.01 <i>1.91</i> | 21 44.89 <i>1.91</i> | 21 23.18 <i>1.91</i> | 20 42.91 <i>1.91</i> | 20 07.04 <i>1.91</i> |
| 122.0 | 22 33.02 <i>1.91</i> | 22 23.36 <i>1.91</i> | 22 20.02 <i>1.91</i> | 22 08.92 <i>1.91</i> | 21 46.80 <i>1.91</i> | 21 25.09 <i>1.91</i> | 20 44.82 <i>1.91</i> | 20 08.95 <i>1.91</i> |
| 123.0 | 22 34.93 <i>1.91</i> | 22 25.27 <i>1.91</i> | 22 21.93 <i>1.91</i> | 22 10.83 <i>1.91</i> | 21 48.71 <i>1.91</i> | 21 27.00 <i>1.91</i> | 20 46.73 <i>1.91</i> | 20 10.86 <i>1.90</i> |
| 124.0 | 22 36.83 <i>1.90</i> | 22 27.17 <i>1.90</i> | 22 23.84 <i>1.90</i> | 22 12.73 <i>1.90</i> | 21 50.61 <i>1.90</i> | 21 28.90 <i>1.90</i> | 20 48.63 <i>1.90</i> | 20 12.76 <i>1.90</i> |
| 125.0 | 22 38.73 <i>1.90</i> | 22 29.07 <i>1.90</i> | 22 25.74 <i>1.90</i> | 22 14.63 <i>1.90</i> | 21 52.51 <i>1.90</i> | 21 30.80 <i>1.90</i> | 20 50.53 <i>1.90</i> | 20 14.66 <i>1.90</i> |
| 126.0 | 22 40.63 <i>1.89</i> | 22 30.97 <i>1.89</i> | 22 27.63 <i>1.89</i> | 22 16.53 <i>1.89</i> | 21 54.41 <i>1.89</i> | 21 32.70 <i>1.89</i> | 20 52.43 <i>1.89</i> | 20 16.55 <i>1.89</i> |
| 127.0 | 22 42.52 <i>1.89</i> | 22 32.86 <i>1.89</i> | 22 29.53 <i>1.89</i> | 22 18.42 <i>1.89</i> | 21 56.30 <i>1.89</i> | 21 34.59 <i>1.89</i> | 20 54.32 <i>1.89</i> | 20 18.44 <i>1.89</i> |
| 128.0 | 22 44.41 <i>1.88</i> | 22 34.75 <i>1.88</i> | 22 31.41 <i>1.88</i> | 22 20.31 <i>1.88</i> | 21 58.18 <i>1.88</i> | 21 36.47 <i>1.88</i> | 20 56.20 <i>1.88</i> | 20 20.32 <i>1.88</i> |
| 129.0 | 22 46.29 <i>1.88</i> | 22 36.63 <i>1.88</i> | 22 33.29 <i>1.88</i> | 22 22.19 <i>1.88</i> | 22 00.06 <i>1.88</i> | 21 38.35 <i>1.88</i> | 20 58.08 <i>1.87</i> | 20 09.15 <i>3.95</i> |
| 130.0 | 22 48.16 <i>1.87</i> | 22 38.50 <i>1.87</i> | 22 35.16 <i>1.87</i> | 22 24.06 <i>1.87</i> | 21 49.49 <i>3.93</i> | 21 28.02 <i>3.86</i> | 20 48.25 <i>3.76</i> | 20 12.94 <i>3.68</i> |
| 131.0 | 22 39.12 <i>3.72</i> | 22 29.51 <i>3.71</i> | 22 26.21 <i>3.71</i> | 22 15.20 <i>3.69</i> | 21 53.26 <i>3.67</i> | 21 31.75 <i>3.64</i> | 20 51.92 <i>3.59</i> | 20 16.55 <i>3.53</i> |
| 132.0 | 22 42.75 <i>3.55</i> | 22 33.14 <i>3.54</i> | 22 29.82 <i>3.54</i> | 22 18.80 <i>3.53</i> | 21 56.85 <i>3.51</i> | 21 35.32 <i>3.49</i> | 20 55.44 <i>3.45</i> | 20 20.02 <i>3.41</i> |
| 133.0 | 22 46.23 <i>3.42</i> | 22 36.61 <i>3.41</i> | 22 33.30 <i>3.41</i> | 22 22.27 <i>3.40</i> | 22 00.30 <i>3.38</i> | 21 38.75 <i>3.37</i> | 20 58.83 <i>3.33</i> | 20 23.36 <i>3.29</i> |
| 134.0 | 22 49.58 <i>3.29</i> | 22 39.96 <i>3.29</i> | 22 36.65 <i>3.28</i> | 22 25.61 <i>3.28</i> | 22 03.62 <i>3.26</i> | 21 42.06 <i>3.25</i> | 21 02.10 <i>3.21</i> | 20 26.59 <i>3.18</i> |
| 135.0 | 22 52.82 <i>3.18</i> | 22 43.19 <i>3.17</i> | 22 39.87 <i>3.17</i> | 22 28.83 <i>3.17</i> | 22 06.83 <i>3.15</i> | 21 45.25 <i>3.14</i> | 21 05.26 <i>3.11</i> | 20 29.72 <i>3.08</i> |

| SKP Δ | Depth of source [km] | | | | | | | |
|-----------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0. | 35. | 50. | 100. | 200. | 300. | 500. | 700. |
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 135.0 | 22 52.82 3.18 | 22 43.19 3.17 | 22 39.87 3.17 | 22 28.83 3.17 | 22 06.83 3.15 | 21 45.25 3.14 | 21 05.26 3.11 | 20 29.72 3.08 |
| 136.0 | 22 55.94 3.07 | 22 46.31 3.07 | 22 42.99 3.07 | 22 31.94 3.06 | 22 09.93 3.05 | 21 48.34 3.04 | 21 08.32 3.01 | 20 32.74 2.98 |
| 137.0 | 22 58.96 2.97 | 22 49.33 2.97 | 22 46.01 2.97 | 22 34.95 2.96 | 22 12.93 2.95 | 21 51.33 2.94 | 21 11.28 2.91 | 20 35.67 2.88 |
| 138.0 | 23 01.89 2.87 | 22 52.25 2.87 | 22 48.93 2.87 | 22 37.87 2.86 | 22 15.83 2.85 | 21 54.22 2.84 | 21 14.15 2.82 | 20 38.51 2.79 |
| 139.0 | 23 04.55 1.76 | 22 54.89 1.76 | 22 51.55 1.76 | 22 40.44 1.76 | 22 18.31 1.75 | 21 56.59 1.75 | 21 16.30 1.75 | 20 40.39 1.75 |
| 140.0 | 23 06.30 1.74 | 22 56.64 1.74 | 22 53.30 1.74 | 22 42.19 1.74 | 22 20.05 1.73 | 21 58.33 1.73 | 21 18.04 1.73 | 20 42.13 1.73 |
| 141.0 | 23 08.02 1.72 | 22 58.36 1.72 | 22 55.02 1.72 | 22 43.91 1.71 | 22 21.78 1.71 | 22 00.06 1.71 | 21 19.76 1.71 | 20 43.84 1.70 |
| 142.0 | 23 09.73 1.69 | 23 00.07 1.69 | 22 56.73 1.69 | 22 45.62 1.69 | 22 23.48 1.69 | 22 01.76 1.69 | 21 21.45 1.68 | 20 45.53 1.68 |
| 143.0 | 23 11.41 1.67 | 23 01.75 1.67 | 22 58.41 1.67 | 22 47.30 1.67 | 22 25.16 1.66 | 22 03.43 1.66 | 21 23.12 1.66 | 20 47.20 1.65 |
| 144.0 | 23 13.06 1.64 | 23 03.40 1.64 | 23 00.06 1.64 | 22 48.95 1.64 | 22 26.81 1.64 | 22 05.08 1.64 | 21 24.77 1.63 | 20 48.84 1.63 |
| 145.0 | 23 14.69 1.61 | 23 05.03 1.61 | 23 01.69 1.61 | 22 50.57 1.61 | 22 28.43 1.61 | 22 06.70 1.60 | 21 26.38 1.60 | 20 50.45 1.59 |
| 146.0 | 23 16.28 1.58 | 23 06.62 1.58 | 23 03.28 1.58 | 22 52.16 1.57 | 22 30.02 1.57 | 22 08.29 1.57 | 21 27.97 1.57 | 20 52.03 1.56 |
| 147.0 | 23 17.84 1.54 | 23 08.18 1.54 | 23 04.84 1.54 | 22 53.72 1.54 | 22 31.57 1.54 | 22 09.84 1.53 | 21 29.51 1.53 | 20 53.57 1.52 |
| 148.0 | 23 19.36 1.50 | 23 09.70 1.50 | 23 06.36 1.50 | 22 55.24 1.50 | 22 33.09 1.50 | 22 11.36 1.50 | 21 31.02 1.49 | 20 55.07 1.49 |
| 149.0 | 23 20.85 1.47 | 23 11.18 1.47 | 23 07.84 1.47 | 22 56.73 1.47 | 22 34.57 1.46 | 22 12.84 1.46 | 21 32.50 1.46 | 20 56.54 1.45 |
| 150.0 | 23 22.30 1.43 | 23 12.63 1.43 | 23 09.29 1.43 | 22 58.17 1.43 | 22 36.02 1.43 | 22 14.28 1.43 | 21 33.94 1.42 | 20 57.98 1.41 |
| 151.0 | 23 23.71 1.39 | 23 14.05 1.39 | 23 10.70 1.39 | 22 59.58 1.39 | 22 37.43 1.39 | 22 15.69 1.39 | 21 35.34 1.38 | 20 59.37 1.38 |
| 152.0 | 23 25.08 1.35 | 23 15.42 1.35 | 23 12.08 1.35 | 23 00.96 1.35 | 22 38.80 1.35 | 22 17.05 1.35 | 21 36.70 1.34 | 21 00.73 1.33 |
| 153.0 | 23 26.42 1.31 | 23 16.75 1.31 | 23 13.41 1.31 | 23 02.28 1.31 | 22 40.12 1.31 | 22 18.38 1.30 | 21 38.02 1.30 | 21 02.04 1.29 |
| 154.0 | 23 27.71 1.27 | 23 18.04 1.27 | 23 14.69 1.27 | 23 03.57 1.27 | 22 41.41 1.26 | 22 19.66 1.26 | 21 39.30 1.26 | 21 03.31 1.25 |
| 155.0 | 23 28.95 1.22 | 23 19.28 1.22 | 23 15.94 1.22 | 23 04.82 1.22 | 22 42.65 1.22 | 22 20.90 1.22 | 21 40.53 1.21 | 21 04.54 1.21 |
| 156.0 | 23 30.15 1.18 | 23 20.48 1.18 | 23 17.14 1.18 | 23 06.02 1.18 | 22 43.85 1.18 | 22 22.10 1.17 | 21 41.73 1.17 | 21 05.73 1.16 |
| 157.0 | 23 31.31 1.13 | 23 21.64 1.13 | 23 18.30 1.13 | 23 07.17 1.13 | 22 45.00 1.13 | 22 23.25 1.13 | 21 42.87 1.12 | 21 06.87 1.12 |
| 158.0 | 23 32.42 1.09 | 23 22.75 1.09 | 23 19.41 1.09 | 23 08.28 1.09 | 22 46.11 1.09 | 22 24.36 1.08 | 21 43.97 1.08 | 21 07.96 1.07 |

Differential times for Depth Phases

The differential times for the principal depth phases associated with the body waves are displayed at 1° intervals for a wide range of source depths: 15, 35, 50, 100, 150, 200, 250, 300, 400, 500, 600, and 700 km.

Differential time tables:

pP-P: 0-100°

sP-P: 0-100°

sS-S: 0-100°

pS-S: 20-100°

| pP-P | Depth of source [km] | | | | | | | | | | | |
|------|----------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Δ | 15. | 35. | 50. | 100. | 150. | 200. | 250. | 300. | 400. | 500. | 600. | 700. |
| | s | s | s | s | s | s | s | s | s | s | s | s |
| 2 | 3.6 | 7.5 | | | | | | | | | | |
| 4 | 3.6 | 7.5 | | | | | | | | | | |
| 6 | 3.6 | 7.5 | | | | | | | | | | |
| 8 | 3.6 | 7.5 | | | | | | | | | | |
| 10 | 3.6 | 7.6 | | | | | | | | | | |
| 12 | 3.6 | 7.6 | 7.9 | | | | | | | | | |
| 14 | 3.6 | 7.6 | 8.0 | | | | | | | | | |
| 16 | 3.8 | 8.1 | 9.3 | 20.1 | 26.2 | | | | | | | |
| 18 | 4.0 | 8.5 | 10.1 | 16.1 | 25.9 | 32.6 | 38.8 | | | | | |
| 20 | 4.3 | 9.2 | 11.5 | 19.0 | 25.6 | 33.2 | 39.6 | 45.4 | | | | |
| 22 | 4.3 | 9.3 | 11.7 | 19.4 | 26.9 | 34.4 | 41.7 | 48.4 | 59.9 | | | |
| 24 | 4.5 | 10.0 | 12.7 | 21.4 | 29.8 | 37.8 | 45.3 | 52.2 | 64.1 | 82.7 | | |
| 26 | 4.6 | 10.0 | 12.8 | 22.1 | 31.3 | 40.2 | 48.6 | 55.8 | 68.2 | 83.4 | 93.3 | |
| 28 | 4.6 | 10.0 | 12.9 | 22.3 | 31.5 | 40.5 | 49.1 | 57.2 | 72.1 | 84.2 | 94.3 | |
| 30 | 4.6 | 10.1 | 12.9 | 22.4 | 31.7 | 40.8 | 49.4 | 57.7 | 72.8 | 85.1 | 95.5 | |
| 32 | 4.6 | 10.1 | 12.9 | 22.5 | 31.9 | 41.0 | 49.7 | 58.0 | 73.4 | 86.0 | 96.7 | |
| 34 | 4.6 | 10.1 | 13.0 | 22.6 | 32.1 | 41.2 | 50.1 | 58.5 | 74.0 | 86.9 | 98.0 | |
| 36 | 4.6 | 10.2 | 13.1 | 22.8 | 32.3 | 41.6 | 50.5 | 59.0 | 74.8 | 87.9 | 99.3 | |
| 38 | 4.6 | 10.2 | 13.1 | 22.9 | 32.6 | 41.9 | 51.0 | 59.6 | 75.6 | 89.0 | 100.7 | 109.6 |
| 40 | 4.7 | 10.2 | 13.2 | 23.1 | 32.8 | 42.3 | 51.4 | 60.2 | 76.4 | 90.1 | 102.1 | 111.4 |
| 42 | 4.7 | 10.3 | 13.3 | 23.2 | 33.1 | 42.7 | 51.9 | 60.7 | 77.3 | 91.2 | 103.6 | 113.4 |
| 44 | 4.7 | 10.3 | 13.4 | 23.4 | 33.4 | 43.0 | 52.4 | 61.3 | 78.1 | 92.4 | 105.1 | 115.4 |
| 46 | 4.7 | 10.4 | 13.4 | 23.6 | 33.6 | 43.4 | 52.8 | 61.9 | 78.9 | 93.5 | 106.6 | 117.3 |
| 48 | 4.7 | 10.4 | 13.5 | 23.7 | 33.9 | 43.7 | 53.3 | 62.5 | 79.7 | 94.6 | 108.0 | 119.2 |
| 50 | 4.7 | 10.5 | 13.6 | 23.9 | 34.1 | 44.1 | 53.7 | 63.0 | 80.5 | 95.7 | 109.4 | 121.0 |
| 52 | 4.8 | 10.5 | 13.6 | 24.1 | 34.4 | 44.4 | 54.2 | 63.6 | 81.3 | 96.7 | 110.7 | 122.7 |
| 54 | 4.8 | 10.5 | 13.7 | 24.2 | 34.6 | 44.8 | 54.6 | 64.1 | 82.0 | 97.7 | 112.0 | 124.4 |
| 56 | 4.8 | 10.6 | 13.8 | 24.4 | 34.9 | 45.1 | 55.0 | 64.6 | 82.7 | 98.7 | 113.3 | 126.0 |
| 58 | 4.8 | 10.6 | 13.8 | 24.5 | 35.1 | 45.4 | 55.4 | 65.1 | 83.5 | 99.6 | 114.5 | 127.6 |
| 60 | 4.8 | 10.7 | 13.9 | 24.6 | 35.3 | 45.7 | 55.8 | 65.6 | 84.1 | 100.6 | 115.7 | 129.1 |
| 62 | 4.8 | 10.7 | 14.0 | 24.8 | 35.5 | 46.0 | 56.2 | 66.1 | 84.8 | 101.4 | 116.9 | 130.5 |
| 64 | 4.9 | 10.7 | 14.0 | 24.9 | 35.7 | 46.3 | 56.6 | 66.5 | 85.4 | 102.3 | 118.0 | 131.9 |
| 66 | 4.9 | 10.8 | 14.1 | 25.0 | 35.9 | 46.6 | 56.9 | 66.9 | 86.1 | 103.1 | 119.0 | 133.3 |
| 68 | 4.9 | 10.8 | 14.1 | 25.2 | 36.1 | 46.8 | 57.3 | 67.4 | 86.7 | 103.9 | 120.0 | 134.5 |
| 70 | 4.9 | 10.8 | 14.2 | 25.3 | 36.3 | 47.1 | 57.6 | 67.8 | 87.2 | 104.7 | 121.0 | 135.8 |
| 72 | 4.9 | 10.9 | 14.2 | 25.4 | 36.5 | 47.3 | 57.9 | 68.2 | 87.8 | 105.5 | 122.0 | 137.0 |
| 74 | 4.9 | 10.9 | 14.3 | 25.5 | 36.7 | 47.6 | 58.2 | 68.6 | 88.4 | 106.2 | 123.0 | 138.2 |
| 76 | 4.9 | 10.9 | 14.3 | 25.6 | 36.8 | 47.8 | 58.6 | 69.0 | 88.9 | 106.9 | 123.9 | 139.3 |
| 78 | 4.9 | 11.0 | 14.4 | 25.7 | 37.0 | 48.1 | 58.9 | 69.3 | 89.4 | 107.6 | 124.8 | 140.4 |
| 80 | 5.0 | 11.0 | 14.4 | 25.8 | 37.2 | 48.3 | 59.2 | 69.7 | 89.9 | 108.3 | 125.6 | 141.5 |
| 82 | 5.0 | 11.0 | 14.5 | 25.9 | 37.3 | 48.5 | 59.4 | 70.1 | 90.4 | 109.0 | 126.5 | 142.6 |
| 84 | 5.0 | 11.0 | 14.5 | 26.0 | 37.5 | 48.7 | 59.7 | 70.4 | 90.9 | 109.6 | 127.3 | 143.6 |
| 86 | 5.0 | 11.1 | 14.6 | 26.1 | 37.7 | 49.0 | 60.0 | 70.8 | 91.4 | 110.3 | 128.1 | 144.6 |
| 88 | 5.0 | 11.1 | 14.6 | 26.3 | 37.9 | 49.2 | 60.3 | 71.1 | 91.9 | 110.9 | 128.9 | 145.6 |
| 90 | 5.0 | 11.1 | 14.6 | 26.3 | 37.9 | 49.3 | 60.5 | 71.3 | 92.2 | 111.3 | 129.5 | 146.2 |
| 92 | 5.0 | 11.1 | 14.6 | 26.3 | 38.0 | 49.4 | 60.6 | 71.4 | 92.4 | 111.5 | 129.7 | 146.6 |
| 94 | 5.0 | 11.1 | 14.7 | 26.4 | 38.0 | 49.4 | 60.6 | 71.5 | 92.4 | 111.6 | 129.9 | 146.8 |
| 96 | 5.0 | 11.1 | 14.7 | 26.4 | 38.0 | 49.5 | 60.7 | 71.6 | 92.6 | 111.8 | 130.1 | 147.0 |
| 98 | 5.0 | 11.2 | 14.7 | 26.4 | 38.1 | 49.6 | 60.8 | 71.7 | 92.7 | 112.0 | 130.3 | 147.3 |
| 100 | 5.0 | 11.2 | 14.7 | 26.4 | 38.1 | 49.6 | 60.8 | 71.8 | 92.8 | 112.1 | 130.5 | 147.5 |

| sP-P Δ | Depth of source [km] | | | | | | | | | | | |
|------------------|----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 15. s | 35. s | 50. s | 100. s | 150. s | 200. s | 250. s | 300. s | 400. s | 500. s | 600. s | 700. s |
| 2 | 5.7 | 12.4 | 15.1 | 22.4 | 26.6 | 35.4 | | | | | | |
| 4 | 5.7 | 12.4 | 15.2 | 24.0 | 32.1 | 39.7 | 46.6 | 52.8 | 63.3 | | | |
| 6 | 5.7 | 12.4 | 15.3 | 24.4 | 33.2 | 41.7 | 49.7 | 57.2 | 70.3 | 80.8 | 88.7 | |
| 8 | 5.7 | 12.4 | 15.3 | 24.7 | 33.9 | 43.2 | 52.1 | 60.4 | 75.4 | 88.2 | 98.1 | 105.5 |
| 10 | 5.7 | 12.4 | 15.4 | 24.9 | 34.8 | 44.6 | 54.2 | 63.3 | 80.3 | 94.7 | 106.1 | 115.4 |
| 12 | 5.7 | 12.4 | 15.4 | 25.4 | 35.9 | 46.4 | 56.6 | 66.3 | 85.6 | 101.0 | 113.6 | 124.8 |
| 14 | 5.7 | 12.5 | 15.5 | 26.5 | 37.6 | 48.7 | 59.5 | 70.2 | 91.1 | 107.3 | 120.9 | 134.1 |
| 16 | 5.9 | 12.8 | 16.4 | 28.2 | 40.1 | 52.0 | 64.1 | 75.6 | 96.8 | 113.7 | 129.8 | 143.4 |
| 18 | 6.0 | 13.1 | 16.9 | 30.2 | 43.3 | 56.2 | 68.6 | 80.6 | 102.7 | 121.3 | 138.9 | 152.8 |
| 20 | 6.2 | 13.7 | 17.8 | 31.5 | 45.2 | 58.6 | 71.7 | 84.3 | 108.2 | 129.2 | 147.8 | 162.3 |
| 22 | 6.2 | 13.7 | 17.9 | 31.8 | 45.7 | 59.6 | 73.5 | 87.0 | 112.6 | 134.9 | 155.1 | 171.0 |
| 24 | 6.4 | 14.2 | 18.7 | 33.7 | 48.3 | 62.7 | 76.7 | 90.3 | 116.2 | 138.7 | 159.2 | 176.6 |
| 26 | 6.4 | 14.2 | 18.8 | 33.8 | 48.7 | 63.4 | 77.8 | 91.8 | 118.5 | 142.0 | 163.0 | 180.8 |
| 28 | 6.5 | 14.3 | 18.8 | 33.9 | 48.9 | 63.7 | 78.1 | 92.2 | 119.0 | 142.6 | 164.4 | 183.5 |
| 30 | 6.5 | 14.3 | 18.8 | 34.0 | 49.0 | 63.8 | 78.4 | 92.5 | 119.4 | 143.2 | 165.2 | 184.6 |
| 32 | 6.5 | 14.3 | 18.9 | 34.0 | 49.1 | 64.0 | 78.6 | 92.7 | 119.8 | 143.8 | 166.0 | 185.7 |
| 34 | 6.5 | 14.3 | 18.9 | 34.1 | 49.3 | 64.2 | 78.8 | 93.1 | 120.3 | 144.5 | 166.9 | 186.8 |
| 36 | 6.5 | 14.4 | 19.0 | 34.2 | 49.4 | 64.4 | 79.2 | 93.5 | 120.8 | 145.2 | 167.9 | 188.0 |
| 38 | 6.5 | 14.4 | 19.0 | 34.4 | 49.6 | 64.7 | 79.5 | 93.9 | 121.4 | 146.0 | 168.9 | 189.3 |
| 40 | 6.5 | 14.4 | 19.1 | 34.5 | 49.8 | 65.0 | 79.9 | 94.3 | 122.0 | 146.8 | 169.9 | 190.6 |
| 42 | 6.5 | 14.5 | 19.1 | 34.6 | 50.0 | 65.2 | 80.2 | 94.7 | 122.6 | 147.6 | 170.9 | 191.9 |
| 44 | 6.5 | 14.5 | 19.2 | 34.7 | 50.2 | 65.5 | 80.5 | 95.2 | 123.2 | 148.4 | 171.9 | 193.2 |
| 46 | 6.6 | 14.5 | 19.2 | 34.9 | 50.4 | 65.8 | 80.9 | 95.6 | 123.8 | 149.2 | 172.9 | 194.4 |
| 48 | 6.6 | 14.6 | 19.3 | 35.0 | 50.6 | 66.0 | 81.2 | 96.0 | 124.4 | 150.0 | 173.9 | 195.6 |
| 50 | 6.6 | 14.6 | 19.3 | 35.1 | 50.8 | 66.3 | 81.5 | 96.4 | 124.9 | 150.7 | 174.9 | 196.8 |
| 52 | 6.6 | 14.6 | 19.4 | 35.2 | 51.0 | 66.5 | 81.9 | 96.8 | 125.5 | 151.4 | 175.8 | 198.0 |
| 54 | 6.6 | 14.7 | 19.4 | 35.3 | 51.1 | 66.8 | 82.2 | 97.2 | 126.0 | 152.1 | 176.7 | 199.1 |
| 56 | 6.6 | 14.7 | 19.5 | 35.4 | 51.3 | 67.0 | 82.5 | 97.6 | 126.6 | 152.8 | 177.6 | 200.2 |
| 58 | 6.6 | 14.7 | 19.5 | 35.6 | 51.5 | 67.3 | 82.8 | 97.9 | 127.1 | 153.5 | 178.4 | 201.3 |
| 60 | 6.6 | 14.8 | 19.6 | 35.7 | 51.6 | 67.5 | 83.1 | 98.3 | 127.6 | 154.2 | 179.3 | 202.3 |
| 62 | 6.7 | 14.8 | 19.6 | 35.8 | 51.8 | 67.7 | 83.4 | 98.6 | 128.1 | 154.8 | 180.1 | 203.3 |
| 64 | 6.7 | 14.8 | 19.7 | 35.9 | 52.0 | 67.9 | 83.6 | 99.0 | 128.5 | 155.4 | 180.9 | 204.2 |
| 66 | 6.7 | 14.8 | 19.7 | 36.0 | 52.1 | 68.1 | 83.9 | 99.3 | 129.0 | 156.0 | 181.6 | 205.2 |
| 68 | 6.7 | 14.9 | 19.8 | 36.1 | 52.3 | 68.3 | 84.2 | 99.6 | 129.4 | 156.6 | 182.3 | 206.1 |
| 70 | 6.7 | 14.9 | 19.8 | 36.1 | 52.4 | 68.5 | 84.4 | 99.9 | 129.8 | 157.2 | 183.1 | 207.0 |
| 72 | 6.7 | 14.9 | 19.8 | 36.2 | 52.5 | 68.7 | 84.7 | 100.2 | 130.3 | 157.7 | 183.8 | 207.8 |
| 74 | 6.7 | 14.9 | 19.9 | 36.3 | 52.7 | 68.9 | 84.9 | 100.5 | 130.7 | 158.3 | 184.5 | 208.7 |
| 76 | 6.7 | 15.0 | 19.9 | 36.4 | 52.8 | 69.1 | 85.1 | 100.8 | 131.1 | 158.8 | 185.1 | 209.5 |
| 78 | 6.7 | 15.0 | 20.0 | 36.5 | 53.0 | 69.3 | 85.4 | 101.1 | 131.5 | 159.3 | 185.8 | 210.3 |
| 80 | 6.8 | 15.0 | 20.0 | 36.6 | 53.1 | 69.4 | 85.6 | 101.4 | 131.9 | 159.8 | 186.4 | 211.1 |
| 82 | 6.8 | 15.0 | 20.0 | 36.7 | 53.2 | 69.6 | 85.8 | 101.6 | 132.2 | 160.3 | 187.0 | 211.8 |
| 84 | 6.8 | 15.1 | 20.1 | 36.7 | 53.3 | 69.8 | 86.0 | 101.9 | 132.6 | 160.8 | 187.6 | 212.6 |
| 86 | 6.8 | 15.1 | 20.1 | 36.8 | 53.5 | 70.0 | 86.2 | 102.1 | 133.0 | 161.3 | 188.3 | 213.4 |
| 88 | 6.8 | 15.1 | 20.2 | 36.9 | 53.6 | 70.1 | 86.5 | 102.4 | 133.4 | 161.8 | 188.8 | 214.0 |
| 90 | 6.8 | 15.1 | 20.2 | 36.9 | 53.7 | 70.2 | 86.6 | 102.6 | 133.5 | 162.0 | 189.1 | 214.4 |
| 92 | 6.8 | 15.1 | 20.2 | 37.0 | 53.7 | 70.3 | 86.6 | 102.6 | 133.6 | 162.1 | 189.3 | 214.6 |
| 94 | 6.8 | 15.1 | 20.2 | 37.0 | 53.7 | 70.3 | 86.7 | 102.7 | 133.7 | 162.2 | 189.4 | 214.7 |
| 96 | 6.8 | 15.1 | 20.2 | 37.0 | 53.7 | 70.3 | 86.7 | 102.8 | 133.8 | 162.4 | 189.6 | 214.9 |
| 98 | 6.8 | 15.1 | 20.2 | 37.0 | 53.8 | 70.4 | 86.8 | 102.8 | 133.9 | 162.5 | 189.8 | 215.2 |
| 100 | 6.8 | 15.2 | 20.2 | 37.0 | 53.8 | 70.4 | 86.8 | 102.9 | 134.0 | 162.6 | 189.9 | 215.3 |

| sS-S Δ | Depth of source [km] | | | | | | | | | | | |
|-----------|----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 15. s | 35. s | 50. s | 100. s | 150. s | 200. s | 250. s | 300. s | 400. s | 500. s | 600. s | 700. s |
| 2 | 5.5 | 11.4 | | | | | | | | | | |
| 4 | 5.5 | 11.4 | | | | | | | | | | |
| 6 | 5.6 | 11.4 | | | | | | | | | | |
| 8 | 5.6 | 11.5 | | | | | | | | | | |
| 10 | 5.6 | 11.5 | | | | | | | | | | |
| 12 | 5.6 | 11.6 | 12.3 | | | | | | | | | |
| 14 | 5.6 | 11.6 | 12.6 | | | | | | | | | |
| 16 | 5.7 | 11.7 | 12.8 | 37.6 | | | | | | | | |
| 18 | 5.7 | 11.8 | 13.1 | 30.7 | 42.9 | 54.8 | 66.2 | | | | | |
| 20 | 6.8 | 14.6 | 17.4 | 31.4 | 44.0 | 56.3 | 68.1 | 79.7 | | | | |
| 22 | 6.9 | 14.9 | 19.0 | 32.8 | 47.4 | 61.6 | 75.3 | 88.0 | 110.3 | | | |
| 24 | 7.5 | 16.4 | 21.5 | 38.2 | 54.4 | 69.1 | 83.3 | 96.5 | 119.5 | 153.8 | | |
| 26 | 7.5 | 16.6 | 21.7 | 38.7 | 55.5 | 72.0 | 88.2 | 103.7 | 128.5 | 155.7 | 174.9 | |
| 28 | 7.6 | 16.6 | 21.7 | 38.8 | 55.7 | 72.4 | 88.7 | 104.4 | 133.7 | 157.4 | 177.1 | |
| 30 | 7.6 | 16.6 | 21.8 | 38.9 | 55.8 | 72.6 | 89.0 | 104.7 | 134.3 | 158.6 | 179.1 | |
| 32 | 7.6 | 16.6 | 21.8 | 39.0 | 56.0 | 72.8 | 89.3 | 105.1 | 134.9 | 159.5 | 180.7 | |
| 34 | 7.6 | 16.7 | 21.9 | 39.2 | 56.3 | 73.2 | 89.8 | 105.7 | 135.7 | 160.5 | 182.0 | 198.1 |
| 36 | 7.6 | 16.8 | 22.0 | 39.4 | 56.6 | 73.6 | 90.3 | 106.4 | 136.6 | 161.8 | 183.6 | 200.2 |
| 38 | 7.6 | 16.8 | 22.1 | 39.6 | 56.9 | 74.1 | 90.9 | 107.1 | 137.6 | 163.2 | 185.4 | 202.4 |
| 40 | 7.7 | 16.9 | 22.2 | 39.8 | 57.3 | 74.6 | 91.6 | 107.9 | 138.7 | 164.6 | 187.3 | 204.8 |
| 42 | 7.7 | 16.9 | 22.3 | 40.1 | 57.6 | 75.1 | 92.2 | 108.7 | 139.9 | 166.2 | 189.3 | 207.4 |
| 44 | 7.7 | 17.0 | 22.4 | 40.3 | 58.0 | 75.6 | 92.9 | 109.5 | 141.0 | 167.7 | 191.3 | 210.1 |
| 46 | 7.8 | 17.1 | 22.5 | 40.5 | 58.4 | 76.1 | 93.6 | 110.4 | 142.2 | 169.3 | 193.3 | 212.8 |
| 48 | 7.8 | 17.2 | 22.6 | 40.8 | 58.8 | 76.7 | 94.2 | 111.2 | 143.3 | 170.9 | 195.4 | 215.5 |
| 50 | 7.8 | 17.2 | 22.7 | 41.0 | 59.2 | 77.2 | 94.9 | 112.1 | 144.5 | 172.5 | 197.4 | 218.1 |
| 52 | 7.8 | 17.3 | 22.8 | 41.3 | 59.6 | 77.7 | 95.6 | 112.9 | 145.7 | 174.0 | 199.5 | 220.7 |
| 54 | 7.9 | 17.4 | 23.0 | 41.5 | 59.9 | 78.2 | 96.3 | 113.7 | 146.8 | 175.5 | 201.4 | 223.3 |
| 56 | 7.9 | 17.4 | 23.1 | 41.8 | 60.3 | 78.8 | 96.9 | 114.5 | 147.9 | 177.0 | 203.4 | 225.8 |
| 58 | 7.9 | 17.5 | 23.2 | 42.0 | 60.7 | 79.3 | 97.5 | 115.3 | 149.0 | 178.5 | 205.3 | 228.2 |
| 60 | 7.9 | 17.6 | 23.3 | 42.2 | 61.0 | 79.7 | 98.2 | 116.0 | 150.1 | 180.0 | 207.1 | 230.6 |
| 62 | 8.0 | 17.6 | 23.4 | 42.4 | 61.4 | 80.2 | 98.8 | 116.8 | 151.2 | 181.4 | 209.0 | 232.9 |
| 64 | 8.0 | 17.7 | 23.5 | 42.7 | 61.7 | 80.7 | 99.4 | 117.5 | 152.2 | 182.8 | 210.8 | 235.2 |
| 66 | 8.0 | 17.8 | 23.6 | 42.9 | 62.1 | 81.2 | 100.0 | 118.3 | 153.2 | 184.1 | 212.5 | 237.4 |
| 68 | 8.0 | 17.8 | 23.7 | 43.1 | 62.4 | 81.6 | 100.6 | 119.0 | 154.2 | 185.5 | 214.2 | 239.6 |
| 70 | 8.1 | 17.9 | 23.8 | 43.3 | 62.8 | 82.1 | 101.2 | 119.7 | 155.2 | 186.8 | 215.9 | 241.7 |
| 72 | 8.1 | 17.9 | 23.9 | 43.5 | 63.1 | 82.5 | 101.7 | 120.4 | 156.2 | 188.1 | 217.6 | 243.8 |
| 74 | 8.1 | 18.0 | 24.0 | 43.7 | 63.4 | 83.0 | 102.3 | 121.1 | 157.2 | 189.4 | 219.2 | 245.8 |
| 76 | 8.1 | 18.1 | 24.0 | 43.9 | 63.7 | 83.4 | 102.8 | 121.8 | 158.1 | 190.6 | 220.8 | 247.8 |
| 78 | 8.2 | 18.1 | 24.1 | 44.1 | 64.0 | 83.8 | 103.4 | 122.4 | 159.0 | 191.8 | 222.3 | 249.7 |
| 80 | 8.2 | 18.2 | 24.2 | 44.3 | 64.3 | 84.2 | 103.9 | 123.1 | 159.9 | 193.0 | 223.9 | 251.6 |
| 82 | 8.2 | 18.2 | 24.3 | 44.5 | 64.6 | 84.6 | 104.4 | 123.7 | 160.8 | 194.2 | 225.4 | 253.5 |
| 84 | 8.2 | 18.3 | 24.4 | 44.7 | 64.9 | 85.0 | 104.9 | 124.3 | 161.7 | 195.4 | 226.8 | 255.3 |
| 86 | 8.3 | 18.3 | 24.5 | 44.9 | 65.2 | 85.4 | 105.4 | 125.0 | 162.6 | 196.5 | 228.3 | 257.2 |
| 88 | 8.3 | 18.4 | 24.6 | 45.1 | 65.5 | 85.8 | 105.9 | 125.6 | 163.4 | 197.6 | 229.7 | 259.0 |
| 90 | 8.3 | 18.4 | 24.6 | 45.3 | 65.8 | 86.2 | 106.4 | 126.2 | 164.3 | 198.8 | 231.2 | 260.7 |
| 92 | 8.3 | 18.5 | 24.7 | 45.4 | 66.1 | 86.6 | 106.9 | 126.8 | 165.1 | 199.9 | 232.5 | 262.4 |
| 94 | 8.3 | 18.5 | 24.8 | 45.6 | 66.3 | 87.0 | 107.4 | 127.3 | 165.8 | 200.7 | 233.6 | 263.7 |
| 96 | 8.3 | 18.6 | 24.8 | 45.7 | 66.4 | 87.1 | 107.5 | 127.5 | 166.1 | 201.3 | 234.4 | 264.7 |
| 98 | 8.4 | 18.6 | 24.9 | 45.8 | 66.6 | 87.3 | 107.8 | 127.8 | 166.5 | 201.8 | 235.0 | 265.5 |
| 100 | 8.4 | 18.6 | 24.9 | 45.9 | 66.7 | 87.5 | 108.0 | 128.1 | 166.9 | 202.3 | 235.6 | 266.1 |

| pS-S Δ | Depth of source [km] | | | | | | | | | | | |
|------------------|----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 15. s | 35. s | 50. s | 100. s | 150. s | 200. s | 250. s | 300. s | 400. s | 500. s | 600. s | 700. s |
| 22 | | | | | | | | | | | | |
| 24 | 5.1 | | | | | | | | | | | |
| 26 | 5.2 | | | | | | | | | | | |
| 28 | 5.2 | | | | | | | | | | | |
| 30 | 5.3 | | | | | | | | | | | |
| 32 | 5.3 | | | | | | | | | | | |
| 34 | 5.3 | | | | | | | | | | | |
| 36 | 5.4 | | | | | | | | | | | |
| 38 | 5.4 | | | | | | | | | | | |
| 40 | 5.4 | | | | | | | | | | | |
| 42 | 5.5 | | | | | | | | | | | |
| 44 | 5.5 | | | | | | | | | | | |
| 46 | 5.6 | | | | | | | | | | | |
| 48 | 5.6 | | | | | | | | | | | |
| 50 | 5.7 | | | | | | | | | | | |
| 52 | 5.7 | | | | | | | | | | | |
| 54 | 5.8 | 12.5 | | | | | | | | | | |
| 56 | 5.8 | 12.6 | 15.9 | | | | | | | | | |
| 58 | 5.8 | 12.7 | 16.1 | | | | | | | | | |
| 60 | 5.9 | 12.8 | 16.3 | 27.7 | | | | | | | | |
| 62 | 5.9 | 12.9 | 16.5 | 28.3 | 39.5 | | | | | | | |
| 64 | 6.0 | 13.0 | 16.7 | 28.8 | 40.5 | | | | | | | |
| 66 | 6.0 | 13.1 | 16.9 | 29.3 | 41.3 | 52.6 | | | | | | |
| 68 | 6.0 | 13.2 | 17.1 | 29.7 | 42.1 | 53.9 | | | | | | |
| 70 | 6.1 | 13.3 | 17.2 | 30.1 | 42.8 | 54.9 | 66.3 | | | | | |
| 72 | 6.1 | 13.4 | 17.4 | 30.5 | 43.4 | 55.9 | 67.7 | | | | | |
| 74 | 6.2 | 13.5 | 17.6 | 30.9 | 44.0 | 56.8 | 69.0 | 80.2 | | | | |
| 76 | 6.2 | 13.6 | 17.7 | 31.3 | 44.6 | 57.7 | 70.2 | 81.9 | | | | |
| 78 | 6.2 | 13.7 | 17.8 | 31.6 | 45.2 | 58.5 | 71.3 | 83.3 | | | | |
| 80 | 6.3 | 13.8 | 18.0 | 32.0 | 45.7 | 59.2 | 72.3 | 84.7 | | | | |
| 82 | 6.3 | 13.9 | 18.1 | 32.3 | 46.3 | 60.0 | 73.3 | 85.9 | 109.1 | | | |
| 84 | 6.3 | 13.9 | 18.3 | 32.6 | 46.8 | 60.7 | 74.2 | 87.1 | 111.1 | | | |
| 86 | 6.4 | 14.0 | 18.4 | 32.9 | 47.3 | 61.4 | 75.1 | 88.3 | 112.9 | | | |
| 88 | 6.4 | 14.1 | 18.5 | 33.2 | 47.7 | 62.0 | 76.0 | 89.4 | 114.5 | | | |
| 90 | 6.4 | 14.2 | 18.6 | 33.5 | 48.2 | 62.7 | 76.8 | 90.5 | 116.1 | 137.7 | | |
| 92 | 6.4 | 14.3 | 18.8 | 33.8 | 48.7 | 63.3 | 77.7 | 91.5 | 117.7 | 140.0 | | |
| 94 | 6.5 | 14.3 | 18.9 | 34.0 | 49.1 | 63.9 | 78.4 | 92.4 | 119.0 | 142.0 | | |
| 96 | 6.5 | 14.3 | 18.9 | 34.1 | 49.3 | 64.2 | 78.8 | 93.0 | 119.9 | 143.4 | 164.4 | |
| 98 | 6.5 | 14.4 | 19.0 | 34.3 | 49.5 | 64.5 | 79.2 | 93.4 | 120.6 | 144.6 | 166.3 | |
| 100 | 6.5 | 14.4 | 19.1 | 34.4 | 49.7 | 64.8 | 79.6 | 93.9 | 121.2 | 145.4 | 167.5 | |

Summary Tables at Constant Range:

In order to aid seismic phase association we display the travel times for a wide range of phases at 2° intervals from 0 to 180° with source depths of 0, 100, 300, and 600 km at each range.

The phases displayed are:

P phases –

P, Pdiff, PP, PcP, PKP, PKiKP, PKKP, PKPPKP (P'P')

depth phases:

pP, pPdiff, pPKP, pPKiKP

sP, sPdiff, sPKP, sPKiKP

S phases –

S, Sdiff, SS, ScS, SKS, SKKS, SKSSKS (S'S')

depth phases:

sS, sSdiff, sSKS

pS, pSdiff, pSKS

Converted phases –

SP, ScP, SKP, SKKP

PS, PcS, PKS, PKKS

The various branches of the core phases are identified in the tables by lower case suffices.

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Delta : 0.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pg | 0 | 00.00 | 19.17 | Pn | 0 | 13.84 | 0.00 | Pn | 0 | 37.97 | 0.00 | P | 1 | 10.07 | 0.00 |
| PgPg | 0 | 00.00 | 19.17 | Sn | 0 | 24.16 | 0.00 | S | 1 | 08.13 | 0.00 | S | 2 | 07.17 | 0.00 |
| Sg | 0 | 00.00 | 32.14 | PcP | 8 | 17.85 | 0.00 | PcP | 7 | 53.72 | 0.00 | PcP | 7 | 21.62 | 0.00 |
| SgSg | 0 | 00.00 | 32.14 | ScP | 11 | 39.58 | 0.00 | ScP | 10 | 55.60 | 0.00 | ScP | 9 | 56.57 | 0.00 |
| PcP | 8 | 31.69 | 0.00 | PcS | 11 | 49.90 | 0.00 | PcS | 11 | 25.77 | 0.00 | PcS | 10 | 53.67 | 0.00 |
| PcS | 12 | 03.74 | 0.00 | ScS | 15 | 11.62 | 0.00 | ScS | 14 | 27.65 | 0.00 | ScS | 13 | 28.61 | 0.00 |
| ScP | 12 | 03.74 | 0.00 | PKiKP | 16 | 20.99 | 0.00 | PKiKP | 15 | 56.86 | 0.00 | PKiKP | 15 | 24.76 | 0.00 |
| ScS | 15 | 35.78 | 0.00 | pPKiKP | 16 | 48.66 | 0.00 | pPKiKP | 17 | 12.79 | 0.00 | pPKiKP | 17 | 44.89 | 0.00 |
| PKiKP | 16 | 34.82 | 0.00 | sPKiKP | 16 | 58.98 | 0.00 | sPKiKP | 17 | 42.96 | 0.00 | SKiKP | 17 | 59.70 | 0.00 |
| SKiKP | 20 | 06.87 | 0.00 | SKiKP | 19 | 42.71 | 0.00 | SKiKP | 18 | 58.74 | 0.00 | sPKiKP | 18 | 41.99 | 0.00 |
| PKKPdf | 31 | 53.37 | 0.00 | PKKPdf | 31 | 39.53 | 0.00 | PKKPdf | 31 | 15.40 | 0.00 | PKKPdf | 30 | 43.30 | 0.00 |
| PKKSdf | 35 | 25.41 | 0.00 | SKKPdf | 35 | 01.25 | 0.00 | SKKPdf | 34 | 17.28 | 0.00 | SKKPdf | 33 | 18.24 | 0.00 |
| SKKPdf | 35 | 25.41 | 0.00 | PKKSdf | 35 | 11.58 | 0.00 | PKKSdf | 34 | 47.45 | 0.00 | PKKSdf | 34 | 15.35 | 0.00 |
| SKKSdf | 38 | 57.46 | 0.00 | SKKSdf | 38 | 33.30 | 0.00 | SKKSdf | 37 | 49.33 | 0.00 | SKKSdf | 36 | 50.29 | 0.00 |
| P'P'df | 40 | 25.05 | 0.00 | P'P'df | 40 | 11.22 | 0.00 | P'P'df | 39 | 47.09 | 0.00 | P'P'df | 39 | 14.99 | 0.00 |
| S'S'df | 54 | 33.25 | 0.00 | S'S'df | 54 | 09.08 | 0.00 | S'S'df | 53 | 25.11 | 0.00 | S'S'df | 52 | 26.08 | 0.00 |

[illegible]

[illegible]

[illegible]

[illegible]

ak135

- 6 -

Delta : 10.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pn | 2 | 24.90 | 13.70 | Pn | 2 | 20.62 | 13.59 | Pn | 2 | 18.07 | 12.26 | P | 2 | 18.66 | 9.90 |
| PnPn | 2 | 32.55 | 13.74 | sPn | 2 | 45.56 | 13.71 | P | 2 | 21.64 | 11.12 | sPn | 4 | 04.79 | 13.74 |
| PbPb | 2 | 56.76 | 17.04 | sPg | 3 | 28.10 | 19.11 | sPn | 3 | 21.40 | 13.72 | S | 4 | 12.52 | 18.09 |
| PgPg | 3 | 11.65 | 19.15 | Sn | 4 | 10.88 | 24.32 | sPb | 3 | 42.53 | 17.03 | sPb | 4 | 14.15 | 17.05 |
| Sn | 4 | 17.80 | 24.55 | PcP | 8 | 22.65 | 0.95 | sPg | 3 | 53.99 | 19.14 | PcP | 7 | 26.61 | 0.99 |
| SnSn | 4 | 29.53 | 24.66 | ScP | 11 | 45.78 | 1.23 | S | 4 | 10.79 | 22.65 | ScP | 10 | 02.94 | 1.26 |
| SbSb | 4 | 58.06 | 28.77 | PcS | 11 | 56.12 | 1.23 | S | 4 | 18.64 | 20.48 | PcS | 11 | 00.22 | 1.30 |
| SgSg | 5 | 21.27 | 32.11 | ScS | 15 | 20.48 | 1.76 | PcP | 7 | 58.59 | 0.97 | ScS | 13 | 37.82 | 1.83 |
| PcP | 8 | 36.46 | 0.95 | PKiKP | 16 | 22.11 | 0.22 | ScP | 11 | 01.87 | 1.24 | PKiKP | 15 | 25.89 | 0.23 |
| PcS | 12 | 09.91 | 1.23 | pPKiKP | 16 | 49.78 | 0.22 | PcS | 11 | 32.10 | 1.26 | pPKiKP | 17 | 45.99 | 0.22 |
| ScP | 12 | 09.91 | 1.23 | sPKiKP | 17 | 00.10 | 0.22 | ScS | 14 | 36.63 | 1.78 | SKiKP | 18 | 00.89 | 0.24 |
| ScS | 15 | 44.58 | 1.75 | SKiKP | 19 | 43.89 | 0.24 | PKiKP | 15 | 57.98 | 0.22 | sPKiKP | 18 | 43.10 | 0.22 |
| PKiKP | 16 | 35.94 | 0.22 | PKKPdf | 31 | 38.42 | -0.22 | pPKiKP | 17 | 13.90 | 0.22 | PKKPdf | 30 | 42.20 | -0.22 |
| SKiKP | 20 | 08.05 | 0.24 | SKKPdf | 35 | 00.20 | -0.21 | sPKiKP | 17 | 44.07 | 0.22 | SKKPdf | 33 | 17.19 | -0.21 |
| PKKPdf | 31 | 52.26 | -0.22 | PKKSdf | 35 | 10.52 | -0.21 | SKiKP | 18 | 59.92 | 0.24 | PKKSdf | 34 | 14.30 | -0.21 |
| SKKPdf | 35 | 24.36 | -0.21 | SKKSdf | 38 | 32.30 | -0.20 | PKKPdf | 31 | 14.29 | -0.22 | SKKSdf | 36 | 49.29 | -0.20 |
| PKKSdf | 35 | 24.36 | -0.21 | P'P'df | 40 | 09.78 | -0.29 | SKKPdf | 34 | 16.23 | -0.21 | P'P'df | 39 | 13.56 | -0.28 |
| SKKSdf | 38 | 56.46 | -0.20 | P'P'ab | 43 | 20.50 | -4.44 | PKKSdf | 34 | 46.40 | -0.21 | P'P'ab | 42 | 28.45 | -4.44 |
| P'P'df | 40 | 23.61 | -0.29 | S'S'df | 54 | 07.95 | -0.23 | SKKSdf | 37 | 48.33 | -0.20 | S'S'df | 52 | 24.95 | -0.23 |
| P'P'ab | 43 | 33.73 | -4.44 | | | | | P'P'df | 39 | 45.65 | -0.29 | | | | |
| S'S'df | 54 | 32.11 | -0.23 | | | | | P'P'ab | 42 | 57.83 | -4.44 | | | | |
| | | | | | | | | S'S'df | 53 | 23.98 | -0.23 | | | | |

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- 7 -

Delta : 12.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pn | 2 | 52.27 | 13.67 | Pn | 2 | 47.59 | 13.28 | Pn | 2 | 42.47 | 12.12 | P | 2 | 38.64 | 10.05 |
| PnPn | 3 | 00.03 | 13.74 | Pn | 2 | 47.79 | 13.57 | P | 2 | 43.85 | 11.09 | P | 2 | 40.42 | 9.23 |
| PbPb | 3 | 30.84 | 17.03 | sPn | 3 | 12.95 | 13.68 | sPn | 3 | 48.82 | 13.70 | sPn | 4 | 32.26 | 13.73 |
| PgPg | 3 | 49.95 | 19.15 | Sn | 4 | 59.47 | 24.26 | sPg | 4 | 32.25 | 19.12 | sPb | 4 | 48.24 | 17.04 |
| Sn | 5 | 06.83 | 24.48 | PcP | 8 | 24.74 | 1.14 | S | 4 | 55.99 | 22.52 | S | 4 | 49.03 | 18.36 |
| SnSn | 5 | 18.83 | 24.64 | ScP | 11 | 48.47 | 1.47 | S | 4 | 59.57 | 20.43 | S | 4 | 51.72 | 16.69 |
| SbSb | 5 | 55.59 | 28.76 | PcS | 11 | 58.83 | 1.47 | PcP | 8 | 00.71 | 1.15 | PcP | 7 | 28.79 | 1.18 |
| SgSg | 6 | 25.47 | 32.09 | ScS | 15 | 24.33 | 2.10 | ScP | 11 | 04.59 | 1.48 | ScP | 10 | 05.71 | 1.50 |
| PcP | 8 | 38.54 | 1.13 | PKiKP | 16 | 22.60 | 0.27 | PcS | 11 | 34.86 | 1.50 | PcS | 11 | 03.06 | 1.54 |
| PcS | 12 | 12.60 | 1.46 | pPKiKP | 16 | 50.27 | 0.27 | ScS | 14 | 40.54 | 2.13 | ScS | 13 | 41.83 | 2.18 |
| ScP | 12 | 12.60 | 1.46 | sPKiKP | 17 | 00.59 | 0.27 | PKiKP | 15 | 58.47 | 0.27 | PKiKP | 15 | 26.38 | 0.27 |
| ScS | 15 | 48.42 | 2.09 | SKiKP | 19 | 44.41 | 0.28 | pPKiKP | 17 | 14.39 | 0.27 | pPKiKP | 17 | 46.48 | 0.26 |
| PKiKP | 16 | 36.43 | 0.27 | PKKPdf | 31 | 37.93 | -0.27 | sPKiKP | 17 | 44.56 | 0.27 | SKiKP | 18 | 01.41 | 0.28 |
| SKiKP | 20 | 08.57 | 0.28 | SKKPdf | 34 | 59.74 | -0.25 | SKiKP | 19 | 00.44 | 0.28 | sPKiKP | 18 | 43.59 | 0.27 |
| PKKPdf | 31 | 51.77 | -0.27 | PKKSdf | 35 | 10.06 | -0.25 | PKKPdf | 31 | 13.81 | -0.27 | PKKPdf | 30 | 41.72 | -0.26 |
| SKKPdf | 35 | 23.89 | -0.25 | SKKSdf | 38 | 31.86 | -0.24 | SKKPdf | 34 | 15.77 | -0.25 | SKKPdf | 33 | 16.73 | -0.25 |
| PKKSdf | 35 | 23.89 | -0.25 | P'P'df | 40 | 09.14 | -0.35 | PKKSdf | 34 | 45.94 | -0.25 | PKKSdf | 34 | 13.84 | -0.25 |
| SKKSdf | 38 | 56.01 | -0.24 | P'P'ab | 43 | 11.62 | -4.44 | SKKSdf | 37 | 47.89 | -0.24 | SKKSdf | 36 | 48.85 | -0.24 |
| P'P'df | 40 | 22.98 | -0.35 | S'S'df | 54 | 07.46 | -0.27 | P'P'df | 39 | 45.02 | -0.34 | P'P'df | 39 | 12.94 | -0.34 |
| P'P'ab | 43 | 24.84 | -4.44 | | | | | P'P'ab | 42 | 48.94 | -4.44 | P'P'ab | 42 | 19.57 | -4.44 |
| S'S'df | 54 | 31.61 | -0.27 | | | | | S'S'df | 53 | 23.49 | -0.27 | S'S'df | 52 | 24.45 | -0.27 |

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- 8 -

Delta : 14.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pn | 3 | 19.59 | 13.64 | Pn | 3 | 13.83 | 12.93 | P | 3 | 05.98 | 11.03 | P | 2 | 58.78 | 10.06 |
| PnPn | 3 | 27.49 | 13.73 | P | 3 | 18.53 | 11.11 | Pn | 3 | 06.51 | 11.90 | P | 2 | 58.86 | 9.21 |
| PbPb | 4 | 04.90 | 17.03 | sPn | 3 | 40.28 | 13.65 | sPn | 4 | 16.19 | 13.67 | sPn | 4 | 59.69 | 13.71 |
| PgPg | 4 | 28.23 | 19.14 | Sn | 5 | 47.93 | 24.20 | S | 5 | 40.30 | 20.28 | sPb | 5 | 22.32 | 17.03 |
| Sn | 5 | 55.70 | 24.40 | S | 6 | 02.57 | 20.47 | S | 5 | 40.74 | 22.20 | S | 5 | 25.01 | 16.58 |
| SnSn | 6 | 08.09 | 24.62 | PcP | 8 | 27.20 | 1.32 | PcP | 8 | 03.20 | 1.34 | S | 5 | 25.75 | 18.33 |
| SbSb | 6 | 53.10 | 28.75 | ScP | 11 | 51.64 | 1.70 | ScP | 11 | 07.78 | 1.71 | PcP | 7 | 31.34 | 1.37 |
| SgSg | 7 | 29.64 | 32.08 | PcS | 12 | 02.00 | 1.70 | PcS | 11 | 38.08 | 1.73 | ScP | 10 | 08.96 | 1.74 |
| PcP | 8 | 40.98 | 1.31 | ScS | 15 | 28.87 | 2.43 | ScS | 14 | 45.13 | 2.46 | PcS | 11 | 06.39 | 1.78 |
| PcS | 12 | 15.75 | 1.69 | PKiKP | 16 | 23.18 | 0.31 | PKiKP | 15 | 59.06 | 0.31 | ScS | 13 | 46.54 | 2.53 |
| ScP | 12 | 15.75 | 1.69 | pPKiKP | 16 | 50.85 | 0.31 | pPKiKP | 17 | 14.97 | 0.31 | PKiKP | 15 | 26.97 | 0.32 |
| ScS | 15 | 52.93 | 2.42 | sPKiKP | 17 | 01.17 | 0.31 | sPKiKP | 17 | 45.14 | 0.31 | pPKiKP | 17 | 47.05 | 0.31 |
| PKiKP | 16 | 37.01 | 0.31 | SKiKP | 19 | 45.02 | 0.33 | SKiKP | 19 | 01.06 | 0.33 | SKiKP | 18 | 02.03 | 0.33 |
| SKiKP | 20 | 09.18 | 0.33 | PKKPdf | 31 | 37.36 | -0.31 | PKKPdf | 31 | 13.23 | -0.31 | sPKiKP | 18 | 44.17 | 0.31 |
| PKKPdf | 31 | 51.19 | -0.31 | SKKPdf | 34 | 59.19 | -0.29 | SKKPdf | 34 | 15.22 | -0.29 | PKKPdf | 30 | 41.15 | -0.31 |
| SKKPdf | 35 | 23.35 | -0.29 | PKKSdf | 35 | 09.51 | -0.29 | PKKSdf | 34 | 45.39 | -0.29 | SKKPdf | 33 | 16.19 | -0.29 |
| PKKSdf | 35 | 23.35 | -0.29 | SKKSdf | 38 | 31.33 | -0.28 | SKKSdf | 37 | 47.37 | -0.28 | PKKSdf | 34 | 13.30 | -0.29 |
| SKKSdf | 38 | 55.49 | -0.28 | P'P'df | 40 | 08.39 | -0.40 | P'P'df | 39 | 44.28 | -0.40 | SKKSdf | 36 | 48.33 | -0.28 |
| P'P'df | 40 | 22.23 | -0.40 | P'P'ab | 43 | 02.73 | -4.44 | P'P'ab | 42 | 40.06 | -4.44 | P'P'df | 39 | 12.20 | -0.40 |
| P'P'ab | 43 | 15.96 | -4.44 | S'S'df | 54 | 06.87 | -0.32 | S'S'df | 53 | 22.90 | -0.32 | P'P'ab | 42 | 10.68 | -4.44 |
| S'S'df | 54 | 31.03 | -0.32 | | | | | | | | | S'S'df | 52 | 23.87 | -0.31 |

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- 9 -

Delta : 16.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pn | 3 | 46.37 | 12.94 | Pn | 3 | 39.17 | 12.43 | P | 3 | 27.93 | 10.91 | P | 3 | 17.24 | 9.17 |
| Pn | 3 | 46.85 | 13.61 | P | 3 | 40.72 | 11.07 | Pn | 3 | 30.02 | 11.61 | P | 3 | 18.85 | 9.99 |
| Pn | 3 | 46.92 | 13.53 | pP | 3 | 59.29 | 11.11 | P | 3 | 34.74 | 9.24 | sPn | 5 | 27.08 | 13.68 |
| P | 3 | 50.01 | 11.10 | sPn | 4 | 07.40 | 13.10 | sPn | 4 | 43.51 | 13.64 | sPb | 5 | 56.37 | 17.01 |
| PnPn | 3 | 54.95 | 13.72 | sPn | 4 | 07.56 | 13.62 | sPn | 4 | 43.83 | 13.39 | S | 5 | 57.99 | 16.37 |
| PbPb | 4 | 38.95 | 17.02 | sPn | 4 | 07.68 | 13.51 | sP | 4 | 50.77 | 11.11 | S | 6 | 02.22 | 18.12 |
| PgPg | 5 | 06.50 | 19.12 | sP | 4 | 11.94 | 11.11 | S | 6 | 20.59 | 19.99 | PcP | 7 | 34.26 | 1.55 |
| Sn | 6 | 44.41 | 24.30 | Sn | 6 | 36.25 | 24.12 | S | 6 | 24.72 | 21.76 | ScP | 10 | 12.66 | 1.97 |
| SnSn | 6 | 57.31 | 24.60 | S | 6 | 43.44 | 20.38 | S | 6 | 31.71 | 16.70 | PcS | 11 | 10.19 | 2.02 |
| S | 6 | 58.66 | 20.45 | sS | 7 | 13.82 | 20.48 | PcP | 8 | 06.05 | 1.51 | ScS | 13 | 51.93 | 2.86 |
| SbSb | 7 | 50.58 | 28.73 | PcP | 8 | 30.01 | 1.50 | ScP | 11 | 11.43 | 1.94 | PKiKP | 15 | 27.64 | 0.36 |
| SgSg | 8 | 33.78 | 32.06 | ScP | 11 | 55.25 | 1.92 | PcS | 11 | 41.77 | 1.96 | pPKiKP | 17 | 47.72 | 0.35 |
| PcP | 8 | 43.78 | 1.49 | PcS | 12 | 05.62 | 1.92 | ScS | 14 | 50.39 | 2.80 | SKiKP | 18 | 02.74 | 0.38 |
| ScP | 12 | 19.35 | 1.91 | ScS | 15 | 34.06 | 2.76 | PKiKP | 15 | 59.73 | 0.36 | sPKiKP | 18 | 44.83 | 0.35 |
| PcS | 12 | 19.35 | 1.91 | PKiKP | 16 | 23.85 | 0.36 | pPKiKP | 17 | 15.63 | 0.35 | PKKPdf | 30 | 40.49 | -0.35 |
| ScS | 15 | 58.09 | 2.74 | pPKiKP | 16 | 51.51 | 0.36 | sPKiKP | 17 | 45.81 | 0.36 | SKKPdf | 33 | 15.56 | -0.34 |
| PKiKP | 16 | 37.68 | 0.36 | sPKiKP | 17 | 01.84 | 0.36 | SKiKP | 19 | 01.76 | 0.38 | PKKSdf | 34 | 12.68 | -0.33 |
| SKiKP | 20 | 09.89 | 0.38 | SKiKP | 19 | 45.73 | 0.38 | PKKPdf | 31 | 12.57 | -0.35 | SKKSdf | 36 | 47.74 | -0.32 |
| PKKPdf | 31 | 50.52 | -0.35 | PKKPdf | 31 | 36.69 | -0.35 | SKKPdf | 34 | 14.59 | -0.34 | P'P'df | 39 | 11.35 | -0.45 |
| PKKSdf | 35 | 22.72 | -0.34 | SKKPdf | 34 | 58.56 | -0.34 | PKKSdf | 34 | 44.76 | -0.34 | P'P'ab | 42 | 01.80 | -4.44 |
| SKKPdf | 35 | 22.72 | -0.34 | PKKSdf | 35 | 08.88 | -0.34 | SKKSdf | 37 | 46.76 | -0.32 | S'S'df | 52 | 23.20 | -0.36 |
| SKKSdf | 38 | 54.89 | -0.32 | SKKSdf | 38 | 30.73 | -0.32 | P'P'df | 39 | 43.42 | -0.46 | | | | |
| P'P'df | 40 | 21.36 | -0.46 | P'P'df | 40 | 07.53 | -0.46 | P'P'ab | 42 | 31.18 | -4.44 | | | | |
| P'P'ab | 43 | 07.08 | -4.44 | P'P'ab | 42 | 53.86 | -4.44 | S'S'df | 53 | 22.22 | -0.36 | | | | |
| S'S'df | 54 | 30.35 | -0.36 | S'S'df | 54 | 06.19 | -0.36 | | | | | | | | |

ak135

- 10 -

Delta : 18.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pn | 4 | 11.57 | 12.33 | P | 4 | 02.77 | 10.97 | P | 3 | 49.57 | 10.73 | P | 3 | 35.51 | 9.10 |
| P | 4 | 12.15 | 11.03 | Pn | 4 | 03.60 | 12.01 | P | 3 | 53.19 | 9.22 | P | 3 | 38.70 | 9.85 |
| P | 4 | 21.08 | 9.24 | P | 4 | 10.16 | 9.24 | sPn | 5 | 10.13 | 12.83 | sPn | 5 | 54.42 | 13.65 |
| PnPn | 4 | 22.38 | 13.71 | pPn | 4 | 18.92 | 12.94 | sPn | 5 | 10.76 | 13.61 | sP | 6 | 02.37 | 11.11 |
| PgPg | 5 | 44.73 | 19.11 | pPn | 4 | 19.07 | 13.46 | sPn | 5 | 10.82 | 13.53 | S | 6 | 30.50 | 16.14 |
| Sn | 7 | 32.92 | 24.21 | pP | 4 | 21.48 | 11.07 | sP | 5 | 12.98 | 11.08 | S | 6 | 38.16 | 17.80 |
| S | 7 | 39.44 | 20.31 | sPn | 4 | 32.92 | 12.44 | S | 7 | 00.15 | 19.56 | PcP | 7 | 37.54 | 1.73 |
| SnSn | 7 | 46.48 | 24.57 | sP | 4 | 34.11 | 11.05 | S | 7 | 05.04 | 16.61 | ScP | 10 | 16.82 | 2.19 |
| S | 7 | 54.97 | 16.72 | S | 7 | 24.01 | 20.15 | PcP | 8 | 09.25 | 1.69 | PcS | 11 | 14.45 | 2.24 |
| PcP | 8 | 46.93 | 1.66 | S | 7 | 24.24 | 22.74 | ScP | 11 | 15.52 | 2.15 | ScS | 13 | 57.99 | 3.19 |
| SgSg | 9 | 37.88 | 32.04 | Sn | 7 | 24.38 | 24.02 | PcS | 11 | 45.90 | 2.17 | PKiKP | 15 | 28.41 | 0.40 |
| ScP | 12 | 23.39 | 2.13 | S | 7 | 24.85 | 23.78 | ScS | 14 | 56.31 | 3.12 | pPKiKP | 17 | 48.46 | 0.40 |
| PcS | 12 | 23.39 | 2.13 | S | 7 | 36.27 | 16.70 | PKiKP | 16 | 00.49 | 0.40 | SKiKP | 18 | 03.54 | 0.42 |
| ScS | 16 | 03.90 | 3.06 | sS | 7 | 54.72 | 20.41 | pPKiKP | 17 | 16.39 | 0.40 | sPKiKP | 18 | 45.58 | 0.40 |
| PKiKP | 16 | 38.44 | 0.40 | sS | 8 | 13.67 | 16.72 | sPKiKP | 17 | 46.56 | 0.40 | PKKPdf | 30 | 39.74 | -0.39 |
| SKiKP | 20 | 10.68 | 0.42 | PcP | 8 | 33.18 | 1.67 | SKiKP | 19 | 02.56 | 0.42 | SKKPdf | 33 | 14.85 | -0.38 |
| PKKPdf | 31 | 49.77 | -0.40 | ScP | 11 | 59.31 | 2.14 | PKKPdf | 31 | 11.82 | -0.40 | PKKSdf | 34 | 11.97 | -0.38 |
| SKKPdf | 35 | 22.00 | -0.38 | PcS | 12 | 09.69 | 2.14 | SKKPdf | 34 | 13.87 | -0.38 | SKKSdf | 36 | 47.06 | -0.36 |
| PKKSdf | 35 | 22.00 | -0.38 | ScS | 15 | 39.90 | 3.08 | PKKSdf | 34 | 44.05 | -0.38 | P'P'df | 39 | 10.38 | -0.51 |
| SKKSdf | 38 | 54.21 | -0.36 | PKiKP | 16 | 24.60 | 0.40 | SKKSdf | 37 | 46.08 | -0.36 | P'P'ab | 41 | 52.92 | -4.44 |
| P'P'df | 40 | 20.38 | -0.52 | pPKiKP | 16 | 52.27 | 0.40 | P'P'df | 39 | 42.44 | -0.52 | S'S'df | 52 | 22.43 | -0.40 |
| P'P'ab | 42 | 58.21 | -4.44 | sPKiKP | 17 | 02.59 | 0.40 | P'P'ab | 42 | 22.30 | -4.44 | | | | |
| S'S'df | 54 | 29.58 | -0.41 | SKiKP | 19 | 46.53 | 0.42 | S'S'df | 53 | 21.46 | -0.41 | | | | |
| | | | | PKKPdf | 31 | 35.94 | -0.40 | | | | | | | | |
| | | | | SKKPdf | 34 | 57.84 | -0.38 | | | | | | | | |
| | | | | PKKSdf | 35 | 08.17 | -0.38 | | | | | | | | |
| | | | | SKKSdf | 38 | 30.05 | -0.36 | | | | | | | | |
| | | | | P'P'df | 40 | 06.55 | -0.52 | | | | | | | | |
| | | | | P'P'ab | 42 | 44.98 | -4.44 | | | | | | | | |
| | | | | S'S'df | 54 | 05.42 | -0.41 | | | | | | | | |

ak135

- 11 -

Delta : 20.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|-----------------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 4 | 34.10 | 10.90 | P | 4 | 24.56 | 10.81 | P | 4 | 10.81 | 10.50 | P | 3 | 53.63 | 9.02 |
| Pn | 4 | 35.76 | 11.86 | Pn | 4 | 27.18 | 11.57 | P | 4 | 11.60 | 9.18 | sPn | 6 | 21.44 | 13.00 |
| P | 4 | 39.55 | 9.23 | P | 4 | 28.62 | 9.22 | pP | 4 | 56.17 | 11.10 | sPn | 6 | 21.69 | 13.62 |
| PnPn | 4 | 49.79 | 13.70 | pP | 4 | 43.54 | 10.98 | sP | 5 | 35.07 | 11.00 | sPn | 6 | 21.81 | 13.51 |
| S | 8 | 19.77 | 20.00 | pPn | 4 | 43.93 | 12.20 | sPn | 5 | 35.13 | 12.23 | sP | 6 | 24.57 | 11.08 |
| Sn | 8 | 21.23 | 24.10 | pPn | 4 | 46.05 | 13.52 | sP | 5 | 42.68 | 9.23 | S | 7 | 02.40 | 15.81 |
| S | 8 | 21.58 | 22.65 | pP | 4 | 50.47 | 9.23 | S | 7 | 38.06 | 16.39 | PcP | 7 | 41.17 | 1.90 |
| S | 8 | 22.06 | 23.61 | sP | 4 | 56.11 | 10.93 | S | 7 | 38.76 | 19.04 | ScP | 10 | 21.40 | 2.40 |
| S | 8 | 28.35 | 16.65 | sPn | 4 | 57.33 | 11.97 | SP _g | 7 | 38.80 | 19.17 | PcS | 11 | 19.14 | 2.45 |
| SnSn | 8 | 35.60 | 24.55 | sP | 5 | 02.19 | 9.23 | PcP | 8 | 12.80 | 1.86 | ScS | 14 | 04.69 | 3.51 |
| PcP | 8 | 50.41 | 1.83 | S | 8 | 03.94 | 19.75 | sS | 8 | 57.74 | 20.46 | PKiKP | 15 | 29.26 | 0.45 |
| ScP | 12 | 27.85 | 2.34 | S | 8 | 08.90 | 21.94 | sS | 9 | 18.23 | 16.72 | pPKiKP | 17 | 49.30 | 0.44 |
| PcS | 12 | 27.85 | 2.34 | S | 8 | 09.58 | 16.59 | ScP | 11 | 20.03 | 2.36 | SKiKP | 18 | 04.43 | 0.47 |
| ScS | 16 | 10.33 | 3.37 | Sn | 8 | 12.32 | 23.91 | PcS | 11 | 50.46 | 2.39 | sPKiKP | 18 | 46.42 | 0.44 |
| PKiKP | 16 | 39.28 | 0.44 | sS | 8 | 35.35 | 20.20 | ScS | 15 | 02.86 | 3.43 | PKKPdf | 30 | 38.91 | -0.44 |
| SKiKP | 20 | 11.57 | 0.47 | PcP | 8 | 36.68 | 1.84 | PKiKP | 16 | 01.33 | 0.45 | SKKPdf | 33 | 14.05 | -0.42 |
| PKKPdf | 31 | 48.93 | -0.44 | sS | 8 | 47.09 | 16.68 | pPKiKP | 17 | 17.22 | 0.44 | PKKSdf | 34 | 11.18 | -0.42 |
| SKKPdf | 35 | 21.20 | -0.42 | ScP | 12 | 03.79 | 2.34 | sPKiKP | 17 | 47.40 | 0.44 | SKKSdf | 36 | 46.30 | -0.40 |
| PKKSdf | 35 | 21.20 | -0.42 | PcS | 12 | 14.18 | 2.35 | SKiKP | 19 | 03.45 | 0.47 | P'P'df | 39 | 09.30 | -0.57 |
| SKKSdf | 38 | 53.45 | -0.40 | ScS | 15 | 46.37 | 3.39 | PKKPdf | 31 | 10.98 | -0.44 | P'P'ab | 41 | 44.04 | -4.44 |
| P'P'df | 40 | 19.29 | -0.58 | PKiKP | 16 | 25.45 | 0.44 | SKKPdf | 34 | 13.08 | -0.42 | S'S'df | 52 | 21.58 | -0.45 |
| P'P'ab | 42 | 49.34 | -4.43 | pPKiKP | 16 | 53.11 | 0.44 | PKKSdf | 34 | 43.25 | -0.42 | | | | |
| S'S'df | 54 | 28.72 | -0.45 | sPKiKP | 17 | 03.44 | 0.44 | SKKSdf | 37 | 45.32 | -0.40 | | | | |
| | | | | SKiKP | 19 | 47.42 | 0.47 | P'P'df | 39 | 41.36 | -0.57 | | | | |
| | | | | PKKPdf | 31 | 35.10 | -0.44 | P'P'ab | 42 | 13.43 | -4.43 | | | | |
| | | | | SKKPdf | 34 | 57.04 | -0.42 | S'S'df | 53 | 20.60 | -0.45 | | | | |
| | | | | PKKSdf | 35 | 07.37 | -0.42 | | | | | | | | |
| | | | | SKKSdf | 38 | 29.29 | -0.40 | | | | | | | | |
| | | | | P'P'df | 40 | 05.46 | -0.57 | | | | | | | | |
| | | | | P'P'ab | 42 | 36.11 | -4.43 | | | | | | | | |
| | | | | S'S'df | 54 | 04.56 | -0.45 | | | | | | | | |

ak135

- 12 -

Delta : 22.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 4 | 55.71 | 10.70 | P | 4 | 45.96 | 10.58 | P | 4 | 29.90 | 9.12 | P | 4 | 11.54 | 8.90 |
| P | 4 | 57.97 | 9.19 | P | 4 | 47.02 | 9.18 | P | 4 | 31.55 | 10.24 | sPn | 6 | 46.65 | 12.29 |
| PnPn | 5 | 17.18 | 13.69 | pP | 5 | 05.34 | 10.81 | pP | 5 | 18.32 | 11.04 | sP | 6 | 46.66 | 10.99 |
| PcP | 8 | 54.23 | 1.99 | pPn | 5 | 07.80 | 11.68 | pP | 5 | 25.90 | 9.23 | sP | 6 | 53.71 | 9.23 |
| S | 8 | 59.30 | 19.50 | pP | 5 | 08.92 | 9.21 | sP | 5 | 56.93 | 10.84 | S | 7 | 33.95 | 15.75 |
| S | 9 | 01.49 | 16.47 | pPn | 5 | 13.08 | 13.60 | sPn | 5 | 59.10 | 11.74 | PcP | 7 | 45.13 | 2.07 |
| S | 9 | 05.93 | 21.74 | pPn | 5 | 13.12 | 13.55 | sP | 6 | 01.14 | 9.21 | ScP | 10 | 26.40 | 2.60 |
| Sn | 9 | 09.31 | 23.98 | sP | 5 | 17.80 | 10.74 | S | 8 | 10.59 | 16.13 | PcS | 11 | 24.25 | 2.66 |
| SnSn | 9 | 24.66 | 24.51 | sP | 5 | 20.63 | 9.20 | S | 8 | 16.25 | 18.45 | ScS | 14 | 12.02 | 3.82 |
| ScP | 12 | 32.72 | 2.54 | PcP | 8 | 40.52 | 2.00 | PcP | 8 | 16.68 | 2.02 | PKiKP | 15 | 30.20 | 0.49 |
| PcS | 12 | 32.72 | 2.54 | S | 8 | 42.56 | 16.36 | SPg | 8 | 17.14 | 19.17 | pPKiKP | 17 | 50.22 | 0.48 |
| ScS | 16 | 17.38 | 3.67 | S | 8 | 42.91 | 19.20 | sS | 9 | 38.57 | 20.34 | SKiKP | 18 | 05.42 | 0.52 |
| PKiKP | 16 | 40.21 | 0.49 | sS | 9 | 15.37 | 19.79 | sS | 9 | 51.64 | 16.68 | sPKiKP | 18 | 47.35 | 0.48 |
| SKiKP | 20 | 12.56 | 0.51 | sSn | 9 | 17.90 | 24.23 | ScP | 11 | 24.96 | 2.56 | PKKPdf | 30 | 37.99 | -0.48 |
| PKKPdf | 31 | 48.00 | -0.49 | sSn | 9 | 17.95 | 24.34 | PcS | 11 | 55.43 | 2.59 | SKKPdf | 33 | 13.17 | -0.46 |
| SKKPdf | 35 | 20.32 | -0.46 | sS | 9 | 18.90 | 22.50 | ScS | 15 | 10.02 | 3.73 | PKKSdf | 34 | 10.30 | -0.46 |
| PKKSdf | 35 | 20.32 | -0.46 | sS | 9 | 19.33 | 23.52 | PKiKP | 16 | 02.27 | 0.49 | SKKSdf | 36 | 45.46 | -0.44 |
| SKKSdf | 38 | 52.61 | -0.44 | sS | 9 | 20.34 | 16.55 | pPKiKP | 17 | 18.15 | 0.48 | P'P'df | 39 | 08.11 | -0.62 |
| P'P'df | 40 | 18.08 | -0.63 | ScP | 12 | 08.68 | 2.54 | sPKiKP | 17 | 48.33 | 0.49 | P'P'ab | 41 | 35.17 | -4.43 |
| P'P'ab | 42 | 40.48 | -4.43 | PcS | 12 | 19.09 | 2.55 | SKiKP | 19 | 04.44 | 0.51 | S'S'df | 52 | 20.64 | -0.49 |
| S'S'df | 54 | 27.77 | -0.50 | ScS | 15 | 53.45 | 3.69 | PKKPdf | 31 | 10.06 | -0.48 | | | | |
| | | | | PKiKP | 16 | 26.38 | 0.49 | SKKPdf | 34 | 12.20 | -0.46 | | | | |
| | | | | pPKiKP | 16 | 54.04 | 0.49 | PKKSdf | 34 | 42.37 | -0.46 | | | | |
| | | | | sPKiKP | 17 | 04.37 | 0.49 | SKKSdf | 37 | 44.49 | -0.44 | | | | |
| | | | | SKiKP | 19 | 48.40 | 0.51 | P'P'df | 39 | 40.16 | -0.63 | | | | |
| | | | | PKKPdf | 31 | 34.17 | -0.49 | P'P'ab | 42 | 04.57 | -4.43 | | | | |
| | | | | SKKPdf | 34 | 56.16 | -0.46 | S'S'df | 53 | 19.66 | -0.50 | | | | |
| | | | | PKKSdf | 35 | 06.49 | -0.46 | | | | | | | | |
| | | | | SKKSdf | 38 | 28.45 | -0.44 | | | | | | | | |
| | | | | P'P'df | 40 | 04.26 | -0.63 | | | | | | | | |
| | | | | P'P'ab | 42 | 27.25 | -4.43 | | | | | | | | |
| | | | | S'S'df | 54 | 03.62 | -0.50 | | | | | | | | |

ak135

- 13 -

Delta : 24.0

| depth | 0. | | 100. | | | 300. | | | 600. | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|------|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 5 | 16.31 | 9.14 | P | 5 | 05.31 | 9.11 | P | 4 | 29.28 | 8.84 |
| P | 5 | 16.84 | 10.43 | P | 5 | 06.84 | 10.30 | P | 4 | 51.75 | 9.96 |
| PnPn | 5 | 44.54 | 13.67 | pP | 5 | 26.72 | 10.56 | pP | 5 | 40.27 | 10.89 |
| PcP | 8 | 58.37 | 2.15 | pP | 5 | 27.29 | 9.16 | pP | 5 | 44.34 | 9.21 |
| S | 9 | 34.14 | 16.19 | sP | 5 | 38.98 | 9.15 | PP | 5 | 49.43 | 11.12 |
| S | 9 | 37.68 | 18.87 | sP | 5 | 39.04 | 10.49 | sP | 6 | 18.40 | 10.61 |
| SPg | 9 | 37.82 | 19.17 | pPn | 5 | 40.27 | 13.60 | sP | 6 | 19.53 | 9.17 |
| PgS | 9 | 37.82 | 19.17 | PcP | 8 | 44.67 | 2.16 | PcP | 8 | 20.88 | 2.18 |
| Sn | 9 | 57.13 | 23.85 | S | 9 | 15.02 | 16.09 | S | 8 | 42.44 | 15.80 |
| SnSn | 10 | 13.65 | 24.48 | S | 9 | 20.67 | 18.55 | S | 8 | 52.52 | 17.81 |
| ScP | 12 | 37.99 | 2.73 | SPg | 9 | 21.25 | 19.17 | SPg | 8 | 55.46 | 19.16 |
| PcS | 12 | 37.99 | 2.73 | sS | 9 | 53.19 | 16.29 | sS | 10 | 18.96 | 20.01 |
| ScS | 16 | 25.01 | 3.96 | sS | 9 | 54.39 | 19.20 | sS | 10 | 24.87 | 16.53 |
| PKiKP | 16 | 41.23 | 0.53 | sS | 10 | 02.83 | 21.47 | ScP | 11 | 30.28 | 2.76 |
| SKiKP | 20 | 13.63 | 0.56 | sSn | 10 | 06.20 | 24.07 | PcS | 12 | 00.80 | 2.78 |
| PKKPdf | 31 | 46.98 | -0.53 | SnSn | 10 | 06.64 | 24.34 | ScS | 15 | 17.79 | 4.03 |
| PKKSdf | 35 | 19.35 | -0.50 | ScP | 12 | 13.96 | 2.73 | PKiKP | 16 | 03.29 | 0.53 |
| SKKPdf | 35 | 19.35 | -0.50 | PcS | 12 | 24.38 | 2.74 | pPKiKP | 17 | 19.16 | 0.53 |
| SKKSdf | 38 | 51.69 | -0.48 | ScS | 16 | 01.13 | 3.98 | sPKiKP | 17 | 49.34 | 0.53 |
| P'P'df | 40 | 16.76 | -0.69 | PKiKP | 16 | 27.40 | 0.53 | SKiKP | 19 | 05.51 | 0.56 |
| P'P'ab | 42 | 31.63 | -4.42 | pPKiKP | 16 | 55.05 | 0.53 | PKKPdf | 31 | 09.04 | -0.53 |
| S'S'df | 54 | 26.74 | -0.54 | sPKiKP | 17 | 05.38 | 0.53 | SKKPdf | 34 | 11.23 | -0.50 |
| | | | | SKiKP | 19 | 49.47 | 0.56 | PKKSdf | 34 | 41.41 | -0.50 |
| | | | | PKKPdf | 31 | 33.15 | -0.53 | SKKSdf | 37 | 43.57 | -0.48 |
| | | | | SKKPdf | 34 | 55.19 | -0.50 | P'P'df | 39 | 38.84 | -0.68 |
| | | | | PKKSdf | 35 | 05.52 | -0.50 | P'P'ab | 41 | 55.71 | -4.43 |
| | | | | SKKSdf | 38 | 27.53 | -0.48 | S'S'df | 53 | 18.62 | -0.54 |
| | | | | P'P'df | 40 | 02.94 | -0.69 | | | | |
| | | | | P'P'ab | 42 | 18.40 | -4.42 | | | | |
| | | | | S'S'df | 54 | 02.58 | -0.54 | | | | |

ak135

- 14 -

Delta : 26.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|-----------------|----|-------|-------|-----------------|----|-------|-------|-----------------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 5 | 34.50 | 9.06 | P | 5 | 23.45 | 9.02 | P | 5 | 05.99 | 8.91 | P | 4 | 46.89 | 8.78 |
| P | 5 | 37.41 | 10.13 | P | 5 | 27.14 | 9.99 | pP | 6 | 01.83 | 10.66 | pP | 6 | 20.22 | 9.24 |
| PnPn | 6 | 11.88 | 13.66 | pP | 5 | 45.54 | 9.09 | pP | 6 | 02.71 | 9.16 | sP | 7 | 29.92 | 10.59 |
| PcP | 9 | 02.81 | 2.30 | pP | 5 | 47.56 | 10.26 | pPn | 6 | 04.97 | 11.66 | sP | 7 | 30.52 | 9.16 |
| S | 10 | 06.14 | 15.81 | sP | 5 | 57.21 | 9.07 | pPn | 6 | 05.12 | 12.21 | PcP | 7 | 54.04 | 2.38 |
| S | 10 | 14.74 | 18.17 | sP | 5 | 59.72 | 10.19 | PP | 6 | 11.66 | 11.11 | S | 8 | 36.71 | 15.61 |
| SP _g | 10 | 16.16 | 19.17 | PnPn | 6 | 07.47 | 13.60 | sP | 6 | 37.81 | 9.10 | ScP | 10 | 37.57 | 2.98 |
| PgS | 10 | 16.16 | 19.17 | PnPn | 6 | 07.58 | 13.34 | sP | 6 | 39.35 | 10.33 | sS | 11 | 31.64 | 16.69 |
| SnSn | 11 | 02.57 | 24.44 | PnPn | 6 | 07.68 | 13.50 | PcP | 8 | 25.39 | 2.33 | PcS | 11 | 35.65 | 3.04 |
| PcS | 12 | 43.62 | 2.91 | PcP | 8 | 49.14 | 2.31 | S | 9 | 13.97 | 15.74 | ScS | 14 | 28.47 | 4.40 |
| ScP | 12 | 43.62 | 2.91 | S | 9 | 46.78 | 15.79 | SP _g | 9 | 33.76 | 19.14 | PKiKP | 15 | 32.34 | 0.58 |
| ScS | 16 | 33.22 | 4.24 | S | 9 | 57.09 | 17.85 | sS | 10 | 57.67 | 16.26 | pPKiKP | 17 | 52.32 | 0.57 |
| PKiKP | 16 | 42.33 | 0.57 | SP _g | 9 | 59.58 | 19.16 | sS | 10 | 58.42 | 19.41 | SKiKP | 18 | 07.67 | 0.61 |
| SKiKP | 20 | 14.79 | 0.60 | sS | 10 | 25.47 | 15.90 | SS | 11 | 17.31 | 20.47 | sPKiKP | 18 | 49.46 | 0.57 |
| PKKPdf | 31 | 45.88 | -0.57 | sS | 10 | 32.09 | 18.50 | ScP | 11 | 35.97 | 2.94 | PKKPdf | 30 | 35.89 | -0.57 |
| PKKSdf | 35 | 18.30 | -0.55 | sSn | 10 | 54.19 | 23.92 | PcS | 12 | 06.54 | 2.96 | SKKPdf | 33 | 11.17 | -0.54 |
| SKKPdf | 35 | 18.30 | -0.55 | SnSn | 10 | 55.29 | 24.31 | ScS | 15 | 26.13 | 4.31 | PKKSdf | 34 | 08.30 | -0.54 |
| SKKSdf | 38 | 50.69 | -0.52 | ScP | 12 | 19.61 | 2.92 | PKiKP | 16 | 04.40 | 0.58 | SKKSdf | 36 | 43.55 | -0.52 |
| P'P'df | 40 | 15.33 | -0.74 | PcS | 12 | 30.05 | 2.92 | pPKiKP | 17 | 20.26 | 0.57 | P'P'df | 39 | 05.39 | -0.73 |
| P'P'ab | 42 | 22.79 | -4.42 | ScS | 16 | 09.38 | 4.26 | sPKiKP | 17 | 50.44 | 0.57 | P'P'ab | 41 | 17.46 | -4.42 |
| S'S'df | 54 | 25.61 | -0.59 | PKiKP | 16 | 28.50 | 0.57 | SKiKP | 19 | 06.68 | 0.61 | S'S'df | 52 | 18.48 | -0.58 |
| | | | | pPKiKP | 16 | 56.16 | 0.57 | PKKPdf | 31 | 07.94 | -0.57 | | | | |
| | | | | sPKiKP | 17 | 06.48 | 0.57 | SKKPdf | 34 | 10.18 | -0.54 | | | | |
| | | | | SKiKP | 19 | 50.64 | 0.60 | PKKSdf | 34 | 40.36 | -0.54 | | | | |
| | | | | PKKPdf | 31 | 32.05 | -0.57 | SKKSdf | 37 | 42.57 | -0.52 | | | | |
| | | | | SKKPdf | 34 | 54.14 | -0.55 | P'P'df | 39 | 37.42 | -0.74 | | | | |
| | | | | PKKSdf | 35 | 04.47 | -0.55 | P'P'ab | 41 | 46.87 | -4.42 | | | | |
| | | | | SKKSdf | 38 | 26.53 | -0.52 | S'S'df | 53 | 17.50 | -0.58 | | | | |
| | | | | P'P'df | 40 | 01.51 | -0.74 | | | | | | | | |
| | | | | P'P'ab | 42 | 09.56 | -4.42 | | | | | | | | |
| | | | | S'S'df | 54 | 01.46 | -0.59 | | | | | | | | |

ak135

- 15 -

Delta : 28.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|-----------------|----|-------|-------|-----------------|----|-------|-------|-----------------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 5 | 52.50 | 8.93 | P | 5 | 41.35 | 8.90 | P | 5 | 23.73 | 8.84 | P | 5 | 04.36 | 8.68 |
| P | 5 | 57.33 | 9.78 | pP | 6 | 03.62 | 8.98 | pP | 6 | 20.95 | 9.08 | pP | 6 | 38.67 | 9.22 |
| PnPn | 6 | 39.18 | 13.64 | pP | 6 | 07.77 | 9.94 | pP | 6 | 22.84 | 10.34 | sP | 7 | 48.76 | 9.08 |
| PcP | 9 | 07.55 | 2.44 | sP | 6 | 15.24 | 8.95 | PnPn | 6 | 29.65 | 12.27 | sP | 7 | 50.80 | 10.28 |
| S | 10 | 37.69 | 15.75 | sP | 6 | 19.77 | 9.85 | PP | 6 | 33.86 | 11.10 | PcP | 7 | 58.95 | 2.53 |
| SP _g | 10 | 54.48 | 19.15 | PnPn | 6 | 34.10 | 13.17 | sP | 6 | 55.93 | 9.01 | S | 9 | 07.81 | 15.49 |
| PgS | 10 | 54.48 | 19.15 | PnPn | 6 | 34.66 | 13.59 | sP | 6 | 59.68 | 10.01 | ScP | 10 | 43.69 | 3.15 |
| SnSn | 11 | 51.41 | 24.40 | PnPn | 6 | 34.71 | 13.53 | PcP | 8 | 30.21 | 2.48 | PcS | 11 | 41.90 | 3.21 |
| PcS | 12 | 49.61 | 3.08 | PP | 6 | 46.32 | 11.11 | S | 9 | 45.40 | 15.68 | sS | 12 | 04.91 | 16.56 |
| ScP | 12 | 49.61 | 3.08 | PcP | 8 | 53.90 | 2.45 | SP _g | 10 | 12.03 | 19.12 | SS | 12 | 13.27 | 16.72 |
| ScS | 16 | 41.98 | 4.52 | S | 10 | 18.29 | 15.73 | sS | 11 | 29.83 | 15.83 | ScS | 14 | 37.55 | 4.68 |
| PKiKP | 16 | 43.52 | 0.62 | SP _g | 10 | 37.89 | 19.15 | sS | 11 | 36.49 | 18.64 | PKiKP | 15 | 33.54 | 0.62 |
| SKiKP | 20 | 16.04 | 0.65 | sS | 10 | 57.08 | 15.77 | ScP | 11 | 42.02 | 3.11 | pPKiKP | 17 | 53.50 | 0.61 |
| PKKPdf | 31 | 44.68 | -0.62 | SnSn | 11 | 43.88 | 24.28 | sS | 11 | 47.13 | 21.57 | SKiKP | 18 | 08.93 | 0.65 |
| PKKSdf | 35 | 17.17 | -0.59 | SS | 12 | 20.28 | 20.48 | sS | 11 | 47.23 | 22.33 | sPKiKP | 18 | 50.64 | 0.61 |
| SKKPdf | 35 | 17.17 | -0.59 | ScP | 12 | 25.62 | 3.09 | SS | 11 | 58.23 | 20.44 | PKKPdf | 30 | 34.71 | -0.61 |
| SKKSdf | 38 | 49.61 | -0.56 | PcS | 12 | 36.07 | 3.10 | PcS | 12 | 12.64 | 3.13 | SKKPdf | 33 | 10.04 | -0.58 |
| P'P'df | 40 | 13.78 | -0.80 | ScS | 16 | 18.18 | 4.54 | ScS | 15 | 35.03 | 4.59 | PKKSdf | 34 | 07.18 | -0.58 |
| P'P'ab | 42 | 13.96 | -4.41 | PKiKP | 16 | 29.69 | 0.62 | PKiKP | 16 | 05.59 | 0.62 | SKKSdf | 36 | 42.48 | -0.56 |
| S'S'df | 54 | 24.39 | -0.63 | pPKiKP | 16 | 57.34 | 0.61 | pPKiKP | 17 | 21.45 | 0.61 | P'P'df | 39 | 03.87 | -0.79 |
| | | | | sPKiKP | 17 | 07.67 | 0.62 | sPKiKP | 17 | 51.63 | 0.61 | P'P'ab | 41 | 08.62 | -4.42 |
| | | | | SKiKP | 19 | 51.89 | 0.65 | SKiKP | 19 | 07.93 | 0.65 | S'S'df | 52 | 17.28 | -0.63 |
| | | | | PKKPdf | 31 | 30.86 | -0.62 | PKKPdf | 31 | 06.76 | -0.62 | | | | |
| | | | | SKKPdf | 34 | 53.01 | -0.59 | SKKPdf | 34 | 09.05 | -0.59 | | | | |
| | | | | PKKSdf | 35 | 03.34 | -0.59 | PKKSdf | 34 | 39.23 | -0.59 | | | | |
| | | | | SKKSdf | 38 | 25.45 | -0.56 | SKKSdf | 37 | 41.49 | -0.56 | | | | |
| | | | | P'P'df | 39 | 60.00 | -0.80 | P'P'df | 39 | 35.88 | -0.80 | | | | |
| | | | | P'P'ab | 42 | 00.73 | -4.41 | P'P'ab | 41 | 38.03 | -4.41 | | | | |
| | | | | S'S'df | 54 | 00.24 | -0.63 | S'S'df | 53 | 16.28 | -0.63 | | | | |

ak135

- 16 -

Delta : 30.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 6 | 10.27 | 8.85 | P | 5 | 59.08 | 8.83 | P | 5 | 41.34 | 8.77 | P | 5 | 21.61 | 8.57 |
| PnPn | 7 | 06.46 | 13.63 | pP | 6 | 21.46 | 8.87 | pP | 6 | 39.00 | 8.97 | pP | 6 | 57.07 | 9.17 |
| PnPn | 7 | 06.56 | 13.22 | sP | 6 | 33.04 | 8.86 | pP | 6 | 43.16 | 9.98 | PP | 7 | 01.50 | 9.24 |
| PnPn | 7 | 06.82 | 13.49 | PnPn | 7 | 00.21 | 12.93 | PnPn | 6 | 54.11 | 12.18 | PcP | 8 | 04.15 | 2.67 |
| PP | 7 | 17.81 | 11.11 | PP | 7 | 08.54 | 11.11 | PP | 6 | 56.03 | 11.07 | sP | 8 | 06.83 | 8.97 |
| PcP | 9 | 12.58 | 2.58 | PcP | 8 | 58.95 | 2.60 | sP | 7 | 13.81 | 8.89 | sP | 8 | 11.03 | 9.95 |
| S | 11 | 09.14 | 15.69 | S | 10 | 49.70 | 15.67 | PcP | 8 | 35.31 | 2.62 | S | 9 | 38.65 | 15.34 |
| SPg | 11 | 32.77 | 19.14 | SPg | 11 | 16.17 | 19.13 | S | 10 | 16.68 | 15.59 | ScP | 10 | 50.15 | 3.31 |
| PgS | 11 | 32.77 | 19.14 | sS | 11 | 28.57 | 15.71 | ScP | 11 | 48.40 | 3.27 | PcS | 11 | 48.47 | 3.37 |
| SnSn | 12 | 40.16 | 24.35 | ScP | 12 | 31.96 | 3.25 | sS | 12 | 01.41 | 15.76 | sS | 12 | 37.76 | 16.26 |
| PcS | 12 | 55.94 | 3.24 | SnSn | 12 | 32.41 | 24.24 | sS | 12 | 12.93 | 17.78 | SS | 12 | 46.70 | 16.71 |
| ScP | 12 | 55.94 | 3.24 | PcS | 12 | 42.42 | 3.26 | PcS | 12 | 19.07 | 3.30 | ScS | 14 | 47.17 | 4.94 |
| SS | 13 | 16.39 | 20.48 | SS | 13 | 01.23 | 20.46 | SS | 12 | 32.37 | 22.65 | PKiKP | 15 | 34.83 | 0.66 |
| PKiKP | 16 | 44.79 | 0.66 | ScS | 16 | 27.51 | 4.80 | SS | 12 | 39.06 | 20.38 | pPKiKP | 17 | 54.76 | 0.65 |
| ScS | 16 | 51.28 | 4.78 | PKiKP | 16 | 30.97 | 0.66 | ScS | 15 | 44.47 | 4.85 | SKiKP | 18 | 10.28 | 0.70 |
| SKiKP | 20 | 17.38 | 0.69 | pPKiKP | 16 | 58.61 | 0.66 | PKiKP | 16 | 06.87 | 0.66 | sPKiKP | 18 | 51.91 | 0.65 |
| PKKPdf | 31 | 43.40 | -0.66 | sPKiKP | 17 | 08.94 | 0.66 | pPKiKP | 17 | 22.71 | 0.65 | PKKPdf | 30 | 33.44 | -0.66 |
| PKKSdf | 35 | 15.95 | -0.63 | SKiKP | 19 | 53.23 | 0.69 | sPKiKP | 17 | 52.90 | 0.66 | SKKPdf | 33 | 08.83 | -0.63 |
| SKKPdf | 35 | 15.95 | -0.63 | PKKPdf | 31 | 29.58 | -0.66 | SKiKP | 19 | 09.28 | 0.69 | PKKSdf | 34 | 05.98 | -0.62 |
| SKKSdf | 38 | 48.45 | -0.60 | SKKPdf | 34 | 51.79 | -0.63 | PKKPdf | 31 | 05.48 | -0.66 | SKKSdf | 36 | 41.32 | -0.60 |
| P'P'df | 40 | 12.13 | -0.86 | PKKSdf | 35 | 02.12 | -0.63 | SKKPdf | 34 | 07.84 | -0.63 | P'P'df | 39 | 02.23 | -0.84 |
| P'P'ab | 42 | 05.14 | -4.40 | SKKSdf | 38 | 24.29 | -0.60 | PKKSdf | 34 | 38.02 | -0.63 | P'P'ab | 40 | 59.79 | -4.41 |
| S'S'df | 54 | 23.09 | -0.67 | P'P'df | 39 | 58.31 | -0.85 | SKKSdf | 37 | 40.34 | -0.60 | S'S'df | 52 | 15.98 | -0.67 |
| | | | | P'P'ab | 41 | 51.91 | -4.41 | P'P'df | 39 | 34.24 | -0.85 | | | | |
| | | | | S'S'df | 53 | 58.94 | -0.67 | P'P'ab | 41 | 29.21 | -4.41 | | | | |
| | | | | | | | | S'S'df | 53 | 14.98 | -0.67 | | | | |

ak135

- 17 -

Delta : 32.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 6 | 27.91 | 8.79 | P | 6 | 16.67 | 8.76 | P | 5 | 58.79 | 8.67 | P | 5 | 38.64 | 8.46 |
| PnPn | 7 | 32.74 | 12.94 | pP | 6 | 39.14 | 8.81 | pP | 6 | 56.81 | 8.86 | pP | 7 | 15.35 | 9.10 |
| PnPn | 7 | 33.69 | 13.61 | sP | 6 | 50.70 | 8.80 | PP | 7 | 18.14 | 11.03 | PP | 7 | 20.00 | 9.23 |
| PnPn | 7 | 33.84 | 13.53 | PnPn | 7 | 25.76 | 12.62 | PnPn | 7 | 18.34 | 12.04 | PcP | 8 | 09.63 | 2.81 |
| PP | 7 | 40.03 | 11.10 | PP | 7 | 30.74 | 11.09 | sP | 7 | 31.52 | 8.82 | sP | 8 | 24.64 | 8.87 |
| PcP | 9 | 17.89 | 2.72 | PcP | 9 | 04.28 | 2.73 | PcP | 8 | 40.69 | 2.76 | S | 10 | 09.18 | 15.19 |
| S | 11 | 40.45 | 15.61 | S | 11 | 20.94 | 15.57 | S | 10 | 47.73 | 15.45 | ScP | 10 | 56.92 | 3.46 |
| PgS | 12 | 11.03 | 19.12 | sS | 11 | 59.93 | 15.64 | ScP | 11 | 55.10 | 3.42 | PcS | 11 | 55.36 | 3.52 |
| SPg | 12 | 11.03 | 19.12 | ScP | 12 | 38.61 | 3.40 | PcS | 12 | 25.82 | 3.45 | sS | 13 | 09.87 | 15.82 |
| PcS | 13 | 02.57 | 3.39 | PcS | 12 | 49.09 | 3.41 | sS | 12 | 32.87 | 15.70 | SS | 13 | 20.08 | 16.67 |
| ScP | 13 | 02.57 | 3.39 | SnSn | 13 | 20.85 | 24.20 | SS | 13 | 17.58 | 22.54 | ScS | 14 | 57.30 | 5.19 |
| SnSn | 13 | 28.81 | 24.30 | SS | 13 | 42.12 | 20.42 | SS | 13 | 19.74 | 20.29 | PKiKP | 15 | 36.20 | 0.71 |
| SS | 13 | 57.32 | 20.45 | PKiKP | 16 | 32.33 | 0.70 | SS | 13 | 53.25 | 16.72 | pPKiKP | 17 | 56.10 | 0.69 |
| PKiKP | 16 | 46.15 | 0.70 | ScS | 16 | 37.36 | 5.05 | ScS | 15 | 54.41 | 5.10 | SKiKP | 18 | 11.71 | 0.74 |
| ScS | 17 | 01.08 | 5.03 | pPKiKP | 16 | 60.00 | 0.70 | PKiKP | 16 | 08.23 | 0.70 | sPKiKP | 18 | 53.26 | 0.70 |
| SKiKP | 20 | 18.81 | 0.74 | sPKiKP | 17 | 10.30 | 0.70 | pPKiKP | 17 | 24.06 | 0.70 | PKKPdf | 30 | 32.09 | -0.70 |
| PKKPdf | 31 | 42.03 | -0.71 | SKiKP | 19 | 54.66 | 0.74 | sPKiKP | 17 | 54.25 | 0.70 | SKKPdf | 33 | 07.54 | -0.67 |
| PKKSdf | 35 | 14.65 | -0.67 | PKKPdf | 31 | 28.21 | -0.70 | SKiKP | 19 | 10.71 | 0.74 | PKKSdf | 34 | 04.69 | -0.66 |
| SKKPdf | 35 | 14.65 | -0.67 | SKKPdf | 34 | 50.50 | -0.67 | PKKPdf | 31 | 04.12 | -0.70 | SKKSdf | 36 | 40.09 | -0.64 |
| SKKSdf | 38 | 47.21 | -0.64 | PKKSdf | 35 | 00.83 | -0.67 | SKKPdf | 34 | 06.54 | -0.67 | P'P'df | 39 | 00.49 | -0.90 |
| P'P'df | 40 | 10.36 | -0.91 | SKKSdf | 38 | 23.06 | -0.64 | PKKSdf | 34 | 36.73 | -0.67 | P'P'ab | 40 | 50.97 | -4.41 |
| P'P'ab | 41 | 56.34 | -4.40 | P'P'df | 39 | 56.55 | -0.91 | SKKSdf | 37 | 39.10 | -0.64 | S'S'df | 52 | 14.59 | -0.71 |
| S'S'df | 54 | 21.70 | -0.72 | P'P'ab | 41 | 43.10 | -4.40 | P'P'df | 39 | 32.48 | -0.91 | | | | |
| | | | | S'S'df | 53 | 57.55 | -0.72 | P'P'ab | 41 | 20.40 | -4.40 | | | | |
| | | | | | | | | S'S'df | 53 | 13.59 | -0.72 | | | | |

ak135

- 18 -

Delta : 34.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 6 | 45.40 | 8.69 | P | 6 | 34.09 | 8.65 | P | 6 | 16.01 | 8.55 | P | 5 | 55.43 | 8.34 |
| PnPn | 7 | 58.25 | 12.58 | pP | 6 | 56.68 | 8.73 | pP | 7 | 14.48 | 8.80 | pP | 7 | 33.44 | 8.99 |
| PnPn | 8 | 00.89 | 13.59 | sP | 7 | 08.22 | 8.71 | PP | 7 | 40.14 | 10.97 | PP | 7 | 38.41 | 9.22 |
| PnPn | 8 | 00.91 | 13.55 | PnPn | 7 | 50.75 | 12.38 | PnPn | 7 | 42.27 | 11.88 | PcP | 8 | 15.37 | 2.93 |
| PP | 8 | 02.20 | 11.07 | PP | 7 | 52.88 | 11.05 | sP | 7 | 49.09 | 8.75 | sP | 8 | 42.31 | 8.80 |
| PcP | 9 | 23.45 | 2.85 | PcP | 9 | 09.86 | 2.86 | PP | 7 | 55.82 | 9.24 | S | 10 | 39.40 | 15.03 |
| S | 12 | 11.53 | 15.47 | S | 11 | 51.93 | 15.42 | PcP | 8 | 46.33 | 2.88 | ScP | 11 | 03.98 | 3.60 |
| ScP | 13 | 09.50 | 3.54 | sS | 12 | 31.10 | 15.52 | S | 11 | 18.48 | 15.30 | PcS | 12 | 02.53 | 3.65 |
| PcS | 13 | 09.50 | 3.54 | ScP | 12 | 45.56 | 3.54 | ScP | 12 | 02.09 | 3.56 | sS | 13 | 41.43 | 15.75 |
| SnSn | 14 | 17.37 | 24.26 | PcS | 12 | 56.05 | 3.55 | PcS | 12 | 32.85 | 3.59 | SS | 13 | 53.38 | 16.62 |
| SS | 14 | 38.17 | 20.40 | SnSn | 14 | 09.21 | 24.16 | sS | 13 | 04.21 | 15.62 | ScS | 15 | 07.93 | 5.43 |
| PKiKP | 16 | 47.59 | 0.74 | SS | 14 | 22.90 | 20.35 | SS | 14 | 00.20 | 20.16 | PKiKP | 15 | 37.65 | 0.75 |
| ScS | 17 | 11.38 | 5.27 | SS | 14 | 57.81 | 16.72 | SS | 14 | 02.46 | 22.32 | pPKiKP | 17 | 57.53 | 0.73 |
| SKiKP | 20 | 20.33 | 0.78 | PKiKP | 16 | 33.77 | 0.74 | SS | 14 | 26.69 | 16.71 | SKiKP | 18 | 13.24 | 0.78 |
| PKKPdf | 31 | 40.58 | -0.75 | ScS | 16 | 47.70 | 5.29 | ScS | 16 | 04.85 | 5.34 | sPKiKP | 18 | 54.69 | 0.74 |
| SKKPdf | 35 | 13.27 | -0.71 | pPKiKP | 17 | 01.41 | 0.74 | PKiKP | 16 | 09.68 | 0.74 | PKKPdf | 30 | 30.65 | -0.74 |
| PKKSdf | 35 | 13.27 | -0.71 | sPKiKP | 17 | 11.74 | 0.74 | pPKiKP | 17 | 25.50 | 0.74 | SKKPdf | 33 | 06.16 | -0.71 |
| SKKSdf | 38 | 45.89 | -0.68 | SKiKP | 19 | 56.18 | 0.78 | sPKiKP | 17 | 55.69 | 0.74 | PKKSdf | 34 | 03.32 | -0.70 |
| P'P'df | 40 | 08.49 | -0.97 | PKKPdf | 31 | 26.76 | -0.75 | SKiKP | 19 | 12.23 | 0.78 | SKKSdf | 36 | 38.78 | -0.67 |
| P'P'ab | 41 | 47.56 | -4.39 | SKKPdf | 34 | 49.12 | -0.71 | PKKPdf | 31 | 02.67 | -0.75 | P'P'df | 38 | 58.64 | -0.95 |
| S'S'df | 54 | 20.22 | -0.76 | PKKSdf | 34 | 59.45 | -0.71 | SKKPdf | 34 | 05.16 | -0.71 | P'P'ab | 40 | 42.17 | -4.40 |
| | | | | SKKSdf | 38 | 21.74 | -0.68 | PKKSdf | 34 | 35.35 | -0.71 | S'S'df | 52 | 13.12 | -0.76 |
| | | | | P'P'df | 39 | 54.68 | -0.96 | SKKSdf | 37 | 37.79 | -0.68 | | | | |
| | | | | P'P'ab | 41 | 34.32 | -4.39 | P'P'df | 39 | 30.61 | -0.96 | | | | |
| | | | | S'S'df | 53 | 56.07 | -0.76 | P'P'ab | 41 | 11.61 | -4.39 | | | | |
| | | | | | | | | S'S'df | 53 | 12.12 | -0.76 | | | | |

ak135

- 19 -

Delta : 36.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 7 | 02.66 | 8.57 | P | 6 | 51.27 | 8.53 | P | 6 | 32.99 | 8.43 | P | 6 | 11.98 | 8.21 |
| PnPn | 8 | 23.15 | 12.33 | pP | 7 | 14.02 | 8.61 | pP | 7 | 32.00 | 8.71 | pP | 7 | 51.26 | 8.87 |
| PP | 8 | 24.30 | 11.03 | sP | 7 | 25.51 | 8.59 | PP | 8 | 02.02 | 10.90 | PP | 7 | 56.84 | 9.20 |
| PP | 8 | 42.16 | 9.24 | PP | 8 | 14.94 | 11.00 | PnPn | 8 | 05.86 | 11.71 | PcP | 8 | 21.36 | 3.06 |
| PcP | 9 | 29.27 | 2.97 | PnPn | 8 | 15.29 | 12.16 | sP | 8 | 06.47 | 8.63 | sP | 8 | 59.84 | 8.71 |
| S | 12 | 42.32 | 15.32 | PP | 8 | 31.25 | 9.24 | PP | 8 | 14.29 | 9.23 | S | 11 | 09.28 | 14.85 |
| PcS | 13 | 16.71 | 3.67 | PcP | 9 | 15.70 | 2.98 | PcP | 8 | 52.23 | 3.01 | ScP | 11 | 11.30 | 3.73 |
| ScP | 13 | 16.71 | 3.67 | S | 12 | 22.62 | 15.27 | S | 11 | 48.92 | 15.14 | PcS | 12 | 10.00 | 3.78 |
| SnSn | 15 | 05.83 | 24.21 | ScP | 12 | 52.78 | 3.67 | ScP | 12 | 09.34 | 3.69 | sS | 14 | 12.88 | 15.69 |
| SS | 15 | 18.88 | 20.31 | sS | 13 | 01.99 | 15.37 | PcS | 12 | 40.16 | 3.71 | SS | 14 | 26.53 | 16.53 |
| SS | 15 | 49.95 | 16.72 | PcS | 13 | 03.29 | 3.68 | sS | 13 | 35.33 | 15.49 | sS | 14 | 27.28 | 17.75 |
| PKiKP | 16 | 49.11 | 0.78 | SnSn | 14 | 57.47 | 24.11 | SS | 14 | 40.36 | 19.99 | ScS | 15 | 19.02 | 5.66 |
| ScS | 17 | 22.14 | 5.49 | SS | 15 | 03.49 | 20.24 | SS | 14 | 46.84 | 22.05 | PKiKP | 15 | 39.19 | 0.79 |
| SKiKP | 20 | 21.93 | 0.82 | SS | 15 | 31.24 | 16.71 | SS | 15 | 00.08 | 16.68 | pKiKP | 17 | 59.04 | 0.77 |
| PKKPdf | 31 | 39.04 | -0.79 | PKiKP | 16 | 35.29 | 0.78 | PKiKP | 16 | 11.21 | 0.79 | SKiKP | 18 | 14.85 | 0.83 |
| SKKPdf | 35 | 11.80 | -0.75 | ScS | 16 | 58.50 | 5.52 | ScS | 16 | 15.75 | 5.57 | sPKiKP | 18 | 56.20 | 0.78 |
| PKKSdf | 35 | 11.80 | -0.75 | pPKiKP | 17 | 02.93 | 0.78 | pPKiKP | 17 | 27.02 | 0.78 | PKKPdf | 30 | 29.12 | -0.78 |
| SKKSdf | 38 | 44.50 | -0.72 | sPKiKP | 17 | 13.26 | 0.78 | sPKiKP | 17 | 57.21 | 0.78 | SKKPdf | 33 | 04.71 | -0.75 |
| P'P'df | 40 | 06.50 | -1.02 | SKiKP | 19 | 57.78 | 0.82 | SKiKP | 19 | 13.84 | 0.82 | PKKSdf | 34 | 01.87 | -0.75 |
| P'P'ab | 41 | 38.79 | -4.38 | PKKPdf | 31 | 25.22 | -0.79 | PKKPdf | 31 | 01.14 | -0.79 | SKKSdf | 36 | 37.39 | -0.71 |
| S'S'df | 54 | 18.65 | -0.81 | SKKPdf | 34 | 47.65 | -0.75 | SKKPdf | 34 | 03.70 | -0.75 | P'P'df | 38 | 56.68 | -1.01 |
| | | | | PKKSdf | 34 | 57.98 | -0.75 | PKKSdf | 34 | 33.90 | -0.75 | P'P'ab | 40 | 33.38 | -4.39 |
| | | | | SKKSdf | 38 | 20.35 | -0.72 | SKKSdf | 37 | 36.40 | -0.72 | S'S'df | 52 | 11.56 | -0.80 |
| | | | | P'P'df | 39 | 52.69 | -1.02 | P'P'df | 39 | 28.64 | -1.01 | | | | |
| | | | | P'P'ab | 41 | 25.55 | -4.38 | P'P'ab | 41 | 02.83 | -4.38 | | | | |
| | | | | S'S'df | 53 | 54.50 | -0.80 | S'S'df | 53 | 10.55 | -0.80 | | | | |

ak135

- 20 -

Delta : 38.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 7 | 19.67 | 8.44 | P | 7 | 08.20 | 8.40 | P | 6 | 49.72 | 8.30 | P | 6 | 28.27 | 8.08 |
| PP | 8 | 46.32 | 10.98 | pP | 7 | 31.11 | 8.48 | pP | 7 | 49.29 | 8.59 | pP | 8 | 08.93 | 8.80 |
| PnPn | 8 | 47.57 | 12.09 | sP | 7 | 42.56 | 8.46 | sP | 8 | 23.61 | 8.51 | PP | 8 | 15.22 | 9.18 |
| PP | 9 | 00.64 | 9.23 | PP | 8 | 36.89 | 10.94 | PP | 8 | 23.75 | 10.82 | pP | 8 | 16.07 | 10.02 |
| PcP | 9 | 35.33 | 3.09 | PnPn | 8 | 39.39 | 11.94 | PP | 8 | 32.74 | 9.22 | PcP | 8 | 27.59 | 3.17 |
| S | 13 | 12.80 | 15.15 | PP | 8 | 49.71 | 9.23 | PcP | 8 | 58.36 | 3.12 | sP | 9 | 17.15 | 8.59 |
| PcS | 13 | 24.16 | 3.79 | PcP | 9 | 21.78 | 3.10 | ScP | 12 | 16.85 | 3.81 | ScP | 11 | 18.87 | 3.84 |
| ScP | 13 | 24.16 | 3.79 | S | 12 | 52.99 | 15.10 | S | 12 | 19.02 | 14.96 | S | 11 | 38.80 | 14.67 |
| SnSn | 15 | 54.20 | 24.16 | ScP | 13 | 00.25 | 3.79 | PcS | 12 | 47.70 | 3.83 | PcS | 12 | 17.64 | 3.89 |
| SS | 15 | 59.36 | 20.18 | PcS | 13 | 10.77 | 3.80 | sS | 14 | 06.16 | 15.34 | sS | 14 | 44.18 | 15.60 |
| SS | 16 | 23.36 | 16.69 | sS | 13 | 32.57 | 15.21 | SS | 15 | 20.14 | 19.78 | SS | 14 | 59.49 | 16.42 |
| PKiKP | 16 | 50.72 | 0.82 | SS | 15 | 43.81 | 20.08 | SS | 15 | 30.65 | 21.75 | sS | 15 | 03.81 | 18.37 |
| ScS | 17 | 33.34 | 5.71 | SnSn | 15 | 45.64 | 24.06 | SS | 15 | 33.39 | 16.63 | ScS | 15 | 30.56 | 5.87 |
| SKiKP | 20 | 23.62 | 0.86 | SS | 15 | 45.82 | 22.70 | PKiKP | 16 | 12.82 | 0.83 | PKiKP | 15 | 40.81 | 0.83 |
| PKKPdf | 31 | 37.42 | -0.83 | SS | 15 | 46.89 | 23.68 | ScS | 16 | 27.10 | 5.78 | pPKiKP | 18 | 00.62 | 0.81 |
| SKKPdf | 35 | 10.26 | -0.79 | SS | 16 | 04.64 | 16.68 | pPKiKP | 17 | 28.61 | 0.82 | SKiKP | 18 | 16.55 | 0.87 |
| PKKSdf | 35 | 10.26 | -0.79 | PKiKP | 16 | 36.90 | 0.82 | sPKiKP | 17 | 58.81 | 0.82 | sPKiKP | 18 | 57.80 | 0.82 |
| SKKSdf | 38 | 43.03 | -0.76 | pPKiKP | 17 | 04.53 | 0.82 | SKiKP | 19 | 15.53 | 0.87 | PKKPdf | 30 | 27.51 | -0.83 |
| P'P'df | 40 | 04.41 | -1.07 | ScS | 17 | 09.75 | 5.73 | PKKPdf | 30 | 59.52 | -0.83 | SKKPdf | 33 | 03.17 | -0.79 |
| P'P'ab | 41 | 30.04 | -4.37 | sPKiKP | 17 | 14.87 | 0.82 | SKKPdf | 34 | 02.16 | -0.79 | PKKSdf | 34 | 00.34 | -0.79 |
| S'S'df | 54 | 17.00 | -0.85 | SKiKP | 19 | 59.47 | 0.87 | PKKSdf | 34 | 32.36 | -0.79 | SKKSdf | 36 | 35.93 | -0.75 |
| | | | | PKKPdf | 31 | 23.60 | -0.83 | SKKSdf | 37 | 34.93 | -0.75 | P'P'df | 38 | 54.61 | -1.06 |
| | | | | SKKPdf | 34 | 46.11 | -0.79 | P'P'df | 39 | 26.56 | -1.07 | P'P'ab | 40 | 24.61 | -4.38 |
| | | | | PKKSdf | 34 | 56.44 | -0.79 | P'P'ab | 40 | 54.07 | -4.37 | S'S'df | 52 | 09.92 | -0.84 |
| | | | | SKKSdf | 38 | 18.88 | -0.76 | S'S'df | 53 | 08.90 | -0.85 | | | | |
| | | | | P'P'df | 39 | 50.61 | -1.07 | | | | | | | | |
| | | | | P'P'ab | 41 | 16.80 | -4.37 | | | | | | | | |
| | | | | S'S'df | 53 | 52.85 | -0.85 | | | | | | | | |

ak135

- 21 -

Delta : 40.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 7 | 36.42 | 8.31 | P | 7 | 24.87 | 8.27 | P | 7 | 06.19 | 8.16 | P | 6 | 44.31 | 7.95 |
| PP | 9 | 08.19 | 10.90 | pP | 7 | 47.95 | 8.35 | pP | 8 | 06.34 | 8.46 | pP | 8 | 26.44 | 8.70 |
| PnPn | 9 | 11.52 | 11.86 | sP | 7 | 59.36 | 8.33 | sP | 8 | 40.50 | 8.38 | PP | 8 | 33.55 | 9.15 |
| PP | 9 | 19.10 | 9.23 | PP | 8 | 58.68 | 10.86 | PP | 8 | 45.28 | 10.71 | PcP | 8 | 34.05 | 3.28 |
| PcP | 9 | 41.61 | 3.20 | PnPn | 9 | 03.03 | 11.71 | PP | 8 | 51.18 | 9.21 | PP | 8 | 36.20 | 10.07 |
| ScP | 13 | 31.84 | 3.90 | PP | 9 | 08.17 | 9.22 | PcP | 9 | 04.71 | 3.23 | sP | 9 | 34.21 | 8.47 |
| PcS | 13 | 31.84 | 3.90 | PcP | 9 | 28.09 | 3.21 | ScP | 12 | 24.58 | 3.92 | ScP | 11 | 26.66 | 3.95 |
| S | 13 | 42.93 | 14.97 | ScP | 13 | 07.95 | 3.90 | S | 12 | 48.75 | 14.77 | S | 12 | 07.95 | 14.48 |
| SS | 16 | 39.54 | 20.00 | PcS | 13 | 18.48 | 3.91 | PcS | 12 | 55.48 | 3.94 | PcS | 12 | 25.52 | 3.99 |
| SnSn | 16 | 42.45 | 24.10 | S | 13 | 23.00 | 14.92 | sS | 14 | 36.67 | 15.17 | sS | 15 | 15.24 | 15.46 |
| SS | 16 | 43.16 | 22.65 | sS | 14 | 02.82 | 15.03 | SS | 15 | 59.45 | 19.53 | SS | 15 | 32.19 | 16.29 |
| SS | 16 | 44.12 | 23.61 | SS | 16 | 23.78 | 19.88 | SS | 16 | 06.57 | 16.55 | SS | 15 | 40.51 | 18.30 |
| PKiKP | 16 | 52.40 | 0.86 | SS | 16 | 30.76 | 22.25 | SS | 16 | 13.84 | 21.43 | ScS | 15 | 42.51 | 6.08 |
| SS | 16 | 56.70 | 16.65 | SnSn | 16 | 33.70 | 24.00 | PKiKP | 16 | 14.51 | 0.87 | PKiKP | 15 | 42.51 | 0.87 |
| ScS | 17 | 44.98 | 5.92 | SS | 16 | 37.94 | 16.62 | ScS | 16 | 38.88 | 5.99 | pPKiKP | 18 | 02.29 | 0.85 |
| SKiKP | 20 | 25.39 | 0.91 | PKiKP | 16 | 38.59 | 0.86 | pPKiKP | 17 | 30.29 | 0.86 | SKiKP | 18 | 18.33 | 0.91 |
| PKKPdf | 31 | 35.70 | -0.88 | pPKiKP | 17 | 06.22 | 0.86 | sPKiKP | 18 | 00.49 | 0.86 | sPKiKP | 18 | 59.48 | 0.86 |
| PKKSdf | 35 | 08.63 | -0.83 | sPKiKP | 17 | 16.55 | 0.86 | SKiKP | 19 | 17.31 | 0.91 | PKKPdf | 30 | 25.82 | -0.87 |
| SKKPdf | 35 | 08.63 | -0.83 | ScS | 17 | 21.43 | 5.94 | PKKPdf | 30 | 57.82 | -0.87 | SKKPdf | 33 | 01.55 | -0.83 |
| SKKSdf | 38 | 41.48 | -0.79 | SKiKP | 20 | 01.25 | 0.91 | SKKPdf | 34 | 00.54 | -0.83 | PKKSdf | 33 | 58.73 | -0.83 |
| P'P'df | 40 | 02.21 | -1.12 | PKKPdf | 31 | 21.89 | -0.88 | PKKSdf | 34 | 30.74 | -0.83 | SKKSdf | 36 | 34.39 | -0.79 |
| P'P'ab | 41 | 21.32 | -4.36 | SKKPdf | 34 | 44.48 | -0.83 | SKKSdf | 37 | 33.38 | -0.79 | P'P'df | 38 | 52.44 | -1.11 |
| S'S'df | 54 | 15.26 | -0.89 | PKKSdf | 34 | 54.82 | -0.83 | P'P'df | 39 | 24.37 | -1.12 | P'P'ab | 40 | 15.86 | -4.37 |
| | | | | SKKSdf | 38 | 17.33 | -0.79 | P'P'ab | 40 | 45.34 | -4.36 | S'S'df | 52 | 08.19 | -0.89 |
| | | | | P'P'df | 39 | 48.41 | -1.12 | S'S'df | 53 | 07.17 | -0.89 | | | | |
| | | | | P'P'ab | 41 | 08.07 | -4.36 | | | | | | | | |
| | | | | S'S'df | 53 | 51.11 | -0.89 | | | | | | | | |

ak135

- 22 -

Delta : 42.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 7 | 52.90 | 8.17 | P | 7 | 41.27 | 8.13 | P | 7 | 22.38 | 8.03 | P | 7 | 00.09 | 7.82 |
| PP | 9 | 29.90 | 10.81 | pP | 8 | 04.51 | 8.21 | pP | 8 | 23.12 | 8.32 | PcP | 8 | 40.71 | 3.38 |
| PnPn | 9 | 35.00 | 11.62 | sP | 8 | 15.88 | 8.19 | sP | 8 | 57.12 | 8.24 | pP | 8 | 43.70 | 8.57 |
| PP | 9 | 37.54 | 9.21 | PP | 9 | 20.30 | 10.75 | PP | 9 | 06.59 | 10.60 | PP | 8 | 51.83 | 9.12 |
| PcP | 9 | 48.11 | 3.30 | PP | 9 | 26.60 | 9.21 | PP | 9 | 09.57 | 9.19 | PP | 8 | 56.30 | 10.02 |
| ScP | 13 | 39.74 | 3.99 | PcP | 9 | 34.61 | 3.31 | PcP | 9 | 11.29 | 3.34 | sP | 9 | 51.00 | 8.33 |
| PcS | 13 | 39.74 | 3.99 | ScP | 13 | 15.85 | 4.00 | ScP | 12 | 32.51 | 4.02 | ScP | 11 | 34.65 | 4.04 |
| S | 14 | 12.69 | 14.78 | PcS | 13 | 26.39 | 4.01 | PcS | 13 | 03.45 | 4.03 | PcS | 12 | 33.60 | 4.08 |
| PKiKP | 16 | 54.17 | 0.90 | S | 13 | 52.64 | 14.72 | S | 13 | 18.11 | 14.58 | S | 12 | 36.73 | 14.29 |
| SS | 17 | 19.32 | 19.77 | sS | 14 | 32.70 | 14.84 | sS | 15 | 06.84 | 14.99 | PKiKP | 15 | 44.30 | 0.91 |
| SS | 17 | 27.96 | 22.17 | PKiKP | 16 | 40.36 | 0.90 | PKiKP | 16 | 16.29 | 0.91 | sS | 15 | 45.99 | 15.29 |
| SS | 17 | 29.92 | 16.57 | SS | 17 | 03.30 | 19.63 | SS | 16 | 38.25 | 19.26 | ScS | 15 | 54.87 | 6.27 |
| SnSn | 17 | 30.59 | 24.04 | pPKiKP | 17 | 07.98 | 0.90 | SS | 16 | 39.56 | 16.43 | SS | 16 | 04.65 | 16.17 |
| ScS | 17 | 57.01 | 6.12 | SS | 17 | 11.11 | 16.54 | ScS | 16 | 51.05 | 6.18 | SS | 16 | 16.96 | 18.14 |
| SKiKP | 20 | 27.25 | 0.95 | SS | 17 | 14.85 | 21.85 | pPKiKP | 17 | 32.05 | 0.90 | pPKiKP | 18 | 04.04 | 0.89 |
| PKKPdf | 31 | 33.91 | -0.92 | sPKiKP | 17 | 18.31 | 0.90 | sPKiKP | 18 | 02.25 | 0.90 | SKiKP | 18 | 20.19 | 0.95 |
| PKKSdf | 35 | 06.92 | -0.87 | SnSn | 17 | 21.64 | 23.94 | SKiKP | 19 | 19.17 | 0.95 | sPKiKP | 19 | 01.23 | 0.90 |
| SKKPdf | 35 | 06.92 | -0.87 | ScS | 17 | 33.51 | 6.14 | PKKPdf | 30 | 56.03 | -0.92 | PKKPdf | 30 | 24.04 | -0.91 |
| SKKSdf | 38 | 39.85 | -0.83 | SKiKP | 20 | 03.10 | 0.95 | SKKPdf | 33 | 58.83 | -0.87 | SKKPdf | 32 | 59.85 | -0.87 |
| P'P'df | 39 | 59.91 | -1.18 | PKKPdf | 31 | 20.10 | -0.92 | PKKSdf | 34 | 29.04 | -0.87 | PKKSdf | 33 | 57.04 | -0.87 |
| P'P'ab | 41 | 12.62 | -4.34 | SKKPdf | 34 | 42.78 | -0.87 | SKKSdf | 37 | 31.75 | -0.83 | SKKSdf | 36 | 32.77 | -0.83 |
| S'S'df | 54 | 13.43 | -0.94 | PKKSdf | 34 | 53.11 | -0.87 | P'P'df | 39 | 22.09 | -1.17 | P'P'df | 38 | 50.17 | -1.16 |
| | | | | SKKSdf | 38 | 15.70 | -0.83 | P'P'ab | 40 | 36.63 | -4.35 | P'P'ab | 40 | 07.14 | -4.36 |
| | | | | P'P'df | 39 | 46.12 | -1.17 | S'S'df | 53 | 05.35 | -0.93 | S'S'df | 52 | 06.37 | -0.93 |
| | | | | P'P'ab | 40 | 59.37 | -4.34 | | | | | | | | |
| | | | | S'S'df | 53 | 49.28 | -0.93 | | | | | | | | |

ak135

- 23 -

Delta : 44.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 8 | 09.11 | 8.03 | P | 7 | 57.39 | 7.99 | P | 7 | 38.30 | 7.89 | P | 7 | 15.60 | 7.69 |
| PP | 9 | 51.41 | 10.70 | pP | 8 | 20.80 | 8.07 | pP | 8 | 39.62 | 8.18 | PcP | 8 | 47.58 | 3.48 |
| PcP | 9 | 54.82 | 3.40 | sP | 8 | 32.13 | 8.05 | sP | 9 | 13.46 | 8.10 | pP | 9 | 00.70 | 8.43 |
| PP | 9 | 55.94 | 9.19 | PcP | 9 | 41.34 | 3.41 | PcP | 9 | 18.06 | 3.44 | PP | 9 | 10.03 | 9.08 |
| ScP | 13 | 47.81 | 4.08 | PP | 9 | 41.69 | 10.64 | PP | 9 | 27.66 | 10.47 | PP | 9 | 16.27 | 9.94 |
| PcS | 13 | 47.81 | 4.08 | PP | 9 | 44.99 | 9.19 | PP | 9 | 27.92 | 9.16 | sP | 10 | 07.52 | 8.19 |
| S | 14 | 42.06 | 14.59 | ScP | 13 | 23.94 | 4.09 | ScP | 12 | 40.63 | 4.10 | ScP | 11 | 42.82 | 4.13 |
| PKiKP | 16 | 56.01 | 0.94 | PcS | 13 | 34.49 | 4.09 | PcS | 13 | 11.60 | 4.12 | PcS | 12 | 41.85 | 4.16 |
| SS | 17 | 58.59 | 19.50 | S | 14 | 21.90 | 14.53 | S | 13 | 47.08 | 14.38 | S | 13 | 05.10 | 14.09 |
| SS | 18 | 02.97 | 16.47 | sS | 15 | 02.19 | 14.65 | sS | 15 | 36.62 | 14.80 | PKiKP | 15 | 46.16 | 0.95 |
| ScS | 18 | 09.43 | 6.30 | PKiKP | 16 | 42.20 | 0.94 | PKiKP | 16 | 18.14 | 0.95 | ScS | 16 | 07.60 | 6.45 |
| SS | 18 | 11.86 | 21.74 | pPKiKP | 17 | 09.82 | 0.94 | ScS | 17 | 03.61 | 6.37 | sS | 16 | 16.40 | 15.11 |
| SnSn | 18 | 18.61 | 23.98 | sPKiKP | 17 | 20.16 | 0.94 | SS | 17 | 12.28 | 16.29 | SS | 16 | 36.82 | 15.98 |
| SKiKP | 20 | 29.18 | 0.99 | SS | 17 | 42.29 | 19.35 | SS | 17 | 16.47 | 18.96 | SS | 16 | 53.03 | 17.92 |
| PKKPdf | 31 | 32.03 | -0.96 | SS | 17 | 44.07 | 16.42 | pPKiKP | 17 | 33.89 | 0.94 | pPKiKP | 18 | 05.87 | 0.93 |
| PKKSdf | 35 | 05.14 | -0.91 | ScS | 17 | 45.97 | 6.32 | sPKiKP | 18 | 04.10 | 0.94 | SKiKP | 18 | 22.14 | 0.99 |
| SKKPdf | 35 | 05.14 | -0.91 | SS | 17 | 58.14 | 21.44 | SKiKP | 19 | 21.11 | 0.99 | sPKiKP | 19 | 03.07 | 0.94 |
| SKKSdf | 38 | 38.14 | -0.87 | SnSn | 18 | 09.47 | 23.88 | PKKPdf | 30 | 54.16 | -0.96 | PKKPdf | 30 | 22.18 | -0.95 |
| P'P'df | 39 | 57.51 | -1.23 | SKiKP | 20 | 05.04 | 0.99 | SKKPdf | 33 | 57.05 | -0.91 | SKKPdf | 32 | 58.07 | -0.91 |
| P'P'ab | 41 | 03.95 | -4.33 | PKKPdf | 31 | 18.22 | -0.96 | PKKSdf | 34 | 27.25 | -0.91 | PKKSdf | 33 | 55.26 | -0.91 |
| S'S'df | 54 | 11.52 | -0.98 | SKKPdf | 34 | 40.99 | -0.91 | SKKSdf | 37 | 30.05 | -0.87 | SKKSdf | 36 | 31.07 | -0.87 |
| | | | | PKKSdf | 34 | 51.32 | -0.91 | P'P'df | 39 | 19.70 | -1.22 | P'P'df | 38 | 47.79 | -1.21 |
| | | | | SKKSdf | 38 | 13.99 | -0.87 | P'P'ab | 40 | 27.95 | -4.33 | P'P'ab | 39 | 58.44 | -4.34 |
| | | | | P'P'df | 39 | 43.72 | -1.22 | S'S'df | 53 | 03.44 | -0.98 | S'S'df | 52 | 04.47 | -0.97 |
| | | | | P'P'ab | 40 | 50.70 | -4.33 | | | | | | | | |
| | | | | S'S'df | 53 | 47.37 | -0.98 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|----------------|----------|----------|--------------|-------------|----------|----------|--------------|-------------|----------|----------|--------------|-------------|----------|----------|--------------|
| Delta : | 46.0 | | | | | | | | | | | | | | |
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 8 | 25.03 | 7.89 | P | 8 | 13.23 | 7.85 | P | 7 | 53.93 | 7.75 | P | 7 | 30.84 | 7.55 |
| PcP | 10 | 01.71 | 3.49 | pP | 8 | 36.80 | 7.93 | pP | 8 | 55.83 | 8.04 | PcP | 8 | 54.63 | 3.57 |
| PP | 10 | 12.68 | 10.57 | sP | 8 | 48.09 | 7.91 | PcP | 9 | 25.02 | 3.53 | pP | 9 | 17.40 | 8.28 |
| PP | 10 | 14.31 | 9.17 | PcP | 9 | 48.25 | 3.50 | sP | 9 | 29.52 | 7.96 | PP | 9 | 28.14 | 9.04 |
| ScP | 13 | 56.06 | 4.16 | PP | 10 | 02.84 | 10.51 | PP | 9 | 46.21 | 9.13 | PP | 9 | 36.04 | 9.83 |
| PcS | 13 | 56.06 | 4.16 | PP | 10 | 03.34 | 9.16 | PP | 9 | 48.46 | 10.33 | sP | 10 | 23.76 | 8.05 |
| S | 15 | 11.04 | 14.39 | ScP | 13 | 32.20 | 4.16 | ScP | 12 | 48.91 | 4.18 | ScP | 11 | 51.15 | 4.20 |
| PKiKP | 16 | 57.94 | 0.98 | PcS | 13 | 42.76 | 4.17 | PcS | 13 | 19.91 | 4.19 | PcS | 12 | 50.24 | 4.23 |
| ScS | 18 | 22.21 | 6.48 | S | 14 | 50.75 | 14.32 | S | 14 | 15.64 | 14.18 | S | 13 | 33.08 | 13.89 |
| SS | 18 | 35.77 | 16.33 | sS | 15 | 31.29 | 14.45 | sS | 16 | 06.01 | 14.59 | PKiKP | 15 | 48.10 | 0.99 |
| SS | 18 | 37.30 | 19.20 | PKiKP | 16 | 44.13 | 0.98 | PKiKP | 16 | 20.07 | 0.98 | ScS | 16 | 20.68 | 6.63 |
| SnSn | 19 | 06.51 | 23.91 | pPKiKP | 17 | 11.74 | 0.98 | ScS | 17 | 16.52 | 6.54 | sS | 16 | 46.42 | 14.91 |
| SKiKP | 20 | 31.20 | 1.03 | sPKiKP | 17 | 22.08 | 0.98 | pPKiKP | 17 | 35.80 | 0.98 | SS | 17 | 08.54 | 15.81 |
| SKKPdf | 31 | 30.06 | -1.00 | ScS | 17 | 58.79 | 6.50 | SS | 17 | 44.74 | 16.16 | pPKiKP | 18 | 07.78 | 0.97 |
| SKKPdf | 35 | 03.27 | -0.95 | SS | 18 | 16.76 | 16.28 | SS | 17 | 54.08 | 18.65 | SKiKP | 18 | 24.17 | 1.03 |
| PKKSdf | 35 | 03.27 | -0.95 | SS | 18 | 20.68 | 19.04 | sPKiKP | 18 | 06.01 | 0.98 | sPKiKP | 19 | 04.98 | 0.98 |
| SKKSdf | 38 | 36.36 | -0.91 | SnSn | 18 | 57.16 | 23.82 | SKiKP | 19 | 23.13 | 1.03 | PKKPdf | 30 | 20.23 | -0.99 |
| P'P'df | 39 | 55.01 | -1.28 | SKiKP | 20 | 07.06 | 1.03 | PKKPdf | 30 | 52.20 | -1.00 | SKKPdf | 32 | 56.21 | -0.95 |
| P'P'ab | 40 | 55.32 | -4.31 | PKKPdf | 31 | 16.26 | -1.00 | SKKPdf | 33 | 55.18 | -0.95 | PKKSdf | 33 | 53.41 | -0.95 |
| S'S'df | 54 | 09.52 | -1.02 | SKKPdf | 34 | 39.12 | -0.95 | PKKSdf | 34 | 25.39 | -0.95 | SKKSdf | 36 | 29.30 | -0.91 |
| | | | | PKKSdf | 34 | 49.46 | -0.95 | SKKSdf | 37 | 28.27 | -0.91 | P'P'df | 38 | 45.32 | -1.26 |
| | | | | SKKSdf | 38 | 12.21 | -0.91 | P'P'df | 39 | 17.21 | -1.27 | P'P'ab | 39 | 49.76 | -4.33 |
| | | | | P'P'df | 39 | 41.22 | -1.27 | P'P'ab | 40 | 19.30 | -4.32 | S'S'df | 52 | 02.48 | -1.01 |
| | | | | P'P'ab | 40 | 42.05 | -4.31 | S'S'df | 53 | 01.44 | -1.02 | | | | |
| | | | | S'S'df | 53 | 45.38 | -1.02 | | | | | | | | |

ak135

- 25 -

Delta : 48.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 8 | 40.66 | 7.74 | P | 8 | 28.78 | 7.70 | P | 8 | 09.29 | 7.61 | P | 7 | 45.80 | 7.42 |
| PcP | 10 | 08.79 | 3.58 | pP | 8 | 52.52 | 7.78 | pP | 9 | 11.76 | 7.89 | PcP | 9 | 01.86 | 3.66 |
| PP | 10 | 32.62 | 9.14 | sP | 9 | 03.76 | 7.76 | PcP | 9 | 32.17 | 3.61 | pP | 9 | 33.80 | 8.12 |
| PP | 10 | 33.69 | 10.43 | PcP | 9 | 55.35 | 3.59 | sP | 9 | 45.28 | 7.81 | PP | 9 | 46.16 | 8.98 |
| ScP | 14 | 04.45 | 4.23 | PP | 10 | 21.62 | 9.12 | PP | 10 | 04.43 | 9.09 | sP | 10 | 39.71 | 7.90 |
| PcS | 14 | 04.45 | 4.23 | PP | 10 | 23.72 | 10.37 | PP | 10 | 08.98 | 10.19 | ScP | 11 | 59.61 | 4.26 |
| S | 15 | 39.60 | 14.17 | ScP | 13 | 40.59 | 4.23 | ScP | 12 | 57.33 | 4.24 | PcS | 12 | 58.76 | 4.29 |
| PKiKP | 16 | 59.94 | 1.02 | PcS | 13 | 51.16 | 4.24 | PcS | 13 | 28.36 | 4.25 | S | 14 | 00.64 | 13.68 |
| ScS | 18 | 35.34 | 6.64 | S | 15 | 19.19 | 14.11 | S | 14 | 43.79 | 13.97 | SPn | 14 | 08.19 | 13.75 |
| SS | 19 | 08.29 | 16.19 | sS | 15 | 60.00 | 14.24 | PKiKP | 16 | 22.08 | 1.02 | PKiKP | 15 | 50.12 | 1.03 |
| SS | 19 | 15.37 | 18.87 | PKiKP | 16 | 46.13 | 1.02 | sS | 16 | 35.00 | 14.39 | ScS | 16 | 34.09 | 6.79 |
| SnSn | 19 | 54.27 | 23.85 | pPKiKP | 17 | 13.74 | 1.02 | ScS | 17 | 29.77 | 6.71 | sS | 17 | 16.04 | 14.71 |
| SKiKP | 20 | 33.30 | 1.07 | sPKiKP | 17 | 24.08 | 1.02 | pPKiKP | 17 | 37.80 | 1.02 | SS | 17 | 40.12 | 15.78 |
| PKKPdf | 31 | 28.01 | -1.04 | ScS | 18 | 11.95 | 6.66 | sPKiKP | 18 | 08.01 | 1.02 | pPKiKP | 18 | 09.76 | 1.01 |
| SKKPdf | 35 | 01.32 | -0.99 | SS | 18 | 49.18 | 16.15 | SS | 18 | 16.90 | 15.96 | SKiKP | 18 | 26.28 | 1.07 |
| PKKSdf | 35 | 01.32 | -0.99 | SS | 18 | 58.43 | 18.71 | SS | 18 | 31.04 | 18.32 | sPKiKP | 19 | 06.97 | 1.01 |
| SKKSdf | 38 | 34.50 | -0.95 | SKiKP | 20 | 09.16 | 1.07 | SKiKP | 19 | 25.23 | 1.07 | PKKPdf | 30 | 18.20 | -1.03 |
| P'P'df | 39 | 52.41 | -1.32 | PKKPdf | 31 | 14.21 | -1.04 | PKKPdf | 30 | 50.16 | -1.04 | SKKPdf | 32 | 54.27 | -0.99 |
| P'P'ab | 40 | 46.72 | -4.29 | SKKPdf | 34 | 37.17 | -0.99 | SKKPdf | 33 | 53.24 | -0.99 | PKKSdf | 33 | 51.48 | -0.99 |
| S'S'df | 54 | 07.44 | -1.06 | PKKSdf | 34 | 47.51 | -0.99 | PKKSdf | 34 | 23.45 | -0.99 | SKKSdf | 36 | 27.45 | -0.94 |
| | | | | SKKSdf | 38 | 10.36 | -0.95 | SKKSdf | 37 | 26.42 | -0.95 | P'P'df | 38 | 42.75 | -1.31 |
| | | | | P'P'df | 39 | 38.62 | -1.32 | P'P'df | 39 | 14.62 | -1.32 | P'P'ab | 39 | 41.13 | -4.31 |
| | | | | P'P'ab | 40 | 33.45 | -4.29 | P'P'ab | 40 | 10.68 | -4.30 | S'S'df | 52 | 00.41 | -1.06 |
| | | | | S'S'df | 53 | 43.30 | -1.06 | S'S'df | 52 | 59.37 | -1.06 | | | | |

ak135

- 26 -

Delta : 50.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 8 | 56.00 | 7.60 | P | 8 | 44.04 | 7.56 | P | 8 | 24.36 | 7.46 | P | 8 | 00.51 | 7.28 |
| PcP | 10 | 16.04 | 3.66 | pP | 9 | 07.94 | 7.64 | pP | 9 | 27.38 | 7.74 | PcP | 9 | 09.25 | 3.74 |
| PP | 10 | 50.85 | 9.10 | sP | 9 | 19.14 | 7.62 | PcP | 9 | 39.48 | 3.70 | pP | 9 | 49.89 | 7.97 |
| PP | 10 | 54.40 | 10.28 | PcP | 10 | 02.61 | 3.67 | sP | 10 | 00.76 | 7.66 | PP | 10 | 04.05 | 8.91 |
| ScP | 14 | 12.96 | 4.28 | PP | 10 | 39.83 | 9.08 | PP | 10 | 22.56 | 9.04 | sP | 10 | 55.37 | 7.75 |
| PcS | 14 | 12.96 | 4.28 | PP | 10 | 44.30 | 10.21 | PP | 10 | 29.21 | 10.04 | ScP | 12 | 08.18 | 4.31 |
| S | 16 | 07.73 | 13.96 | ScP | 13 | 49.12 | 4.29 | ScP | 13 | 05.87 | 4.30 | PcS | 13 | 07.39 | 4.34 |
| PKiKP | 17 | 02.01 | 1.06 | PcS | 13 | 59.69 | 4.29 | PcS | 13 | 36.92 | 4.31 | S | 14 | 27.80 | 13.48 |
| ScS | 18 | 48.78 | 6.80 | S | 15 | 47.20 | 13.90 | S | 15 | 11.51 | 13.75 | SPn | 14 | 35.69 | 13.75 |
| SS | 19 | 40.52 | 16.02 | sS | 16 | 28.23 | 14.02 | PKiKP | 16 | 24.16 | 1.06 | PKiKP | 15 | 52.21 | 1.07 |
| SS | 19 | 52.77 | 18.53 | PKiKP | 16 | 48.21 | 1.06 | sS | 17 | 03.56 | 14.17 | ScS | 16 | 47.82 | 6.94 |
| SKiKP | 20 | 35.48 | 1.11 | pPKiKP | 17 | 15.81 | 1.06 | pPKiKP | 17 | 39.86 | 1.05 | sS | 17 | 45.25 | 14.49 |
| PKKPdf | 31 | 25.88 | -1.09 | sPKiKP | 17 | 26.15 | 1.06 | ScS | 17 | 43.33 | 6.86 | SS | 18 | 11.65 | 15.75 |
| SKKPdf | 34 | 59.29 | -1.03 | ScS | 18 | 25.43 | 6.82 | sPKiKP | 18 | 10.08 | 1.05 | pPKiKP | 18 | 11.82 | 1.05 |
| PKKSdf | 34 | 59.29 | -1.03 | SS | 19 | 21.27 | 15.86 | SS | 18 | 48.58 | 15.81 | SKiKP | 18 | 28.46 | 1.11 |
| SKKSdf | 38 | 32.57 | -0.99 | SS | 19 | 35.51 | 18.37 | SS | 19 | 07.35 | 17.98 | sPKiKP | 19 | 09.04 | 1.05 |
| P'P'df | 39 | 49.72 | -1.37 | SKiKP | 20 | 11.34 | 1.11 | SKiKP | 19 | 27.41 | 1.11 | PKKPdf | 30 | 16.09 | -1.07 |
| P'P'bc | 40 | 07.24 | -2.10 | PKKPdf | 31 | 12.08 | -1.08 | PKKPdf | 30 | 48.04 | -1.08 | SKKPdf | 32 | 52.25 | -1.03 |
| P'P'ab | 40 | 38.16 | -4.27 | SKKPdf | 34 | 35.15 | -1.03 | SKKPdf | 33 | 51.22 | -1.03 | PKKSdf | 33 | 49.47 | -1.02 |
| S'S'df | 54 | 05.27 | -1.10 | PKKSdf | 34 | 45.48 | -1.03 | PKKSdf | 34 | 21.43 | -1.03 | SKKSdf | 36 | 25.52 | -0.98 |
| | | | | SKKSdf | 38 | 08.42 | -0.99 | SKKSdf | 37 | 24.49 | -0.98 | P'P'df | 38 | 40.09 | -1.36 |
| | | | | P'P'df | 39 | 35.94 | -1.37 | P'P'df | 39 | 11.94 | -1.36 | P'P'bc | 38 | 58.19 | -2.07 |
| | | | | P'P'bc | 39 | 53.53 | -2.09 | P'P'bc | 39 | 29.72 | -2.08 | P'P'ab | 39 | 32.52 | -4.29 |
| | | | | P'P'ab | 40 | 24.89 | -4.27 | P'P'ab | 40 | 02.10 | -4.28 | S'S'df | 51 | 58.26 | -1.10 |
| | | | | S'S'df | 53 | 41.13 | -1.10 | S'S'df | 52 | 57.21 | -1.10 | | | | |

ak135

- 27 -

Delta : 52.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 9 | 11.05 | 7.45 | P | 8 | 59.01 | 7.42 | P | 8 | 39.15 | 7.32 | P | 8 | 14.93 | 7.14 |
| PcP | 10 | 23.44 | 3.74 | pP | 9 | 23.07 | 7.49 | pP | 9 | 42.71 | 7.59 | PcP | 9 | 16.80 | 3.81 |
| PP | 11 | 09.01 | 9.06 | sP | 9 | 34.23 | 7.47 | PcP | 9 | 46.94 | 3.77 | pP | 10 | 05.67 | 7.81 |
| PP | 11 | 14.81 | 10.13 | PcP | 10 | 10.04 | 3.75 | sP | 10 | 15.94 | 7.52 | PP | 10 | 21.83 | 8.87 |
| ScP | 14 | 21.58 | 4.33 | PP | 10 | 57.96 | 9.04 | PP | 10 | 40.60 | 8.99 | sP | 11 | 10.72 | 7.60 |
| PcS | 14 | 21.58 | 4.33 | PP | 11 | 04.57 | 10.06 | PP | 10 | 49.13 | 9.88 | ScP | 12 | 16.85 | 4.35 |
| S | 16 | 35.43 | 13.74 | ScP | 13 | 57.74 | 4.33 | ScP | 13 | 14.51 | 4.34 | PcS | 13 | 16.10 | 4.37 |
| PKiKP | 17 | 04.16 | 1.09 | PcS | 14 | 08.32 | 4.34 | PcS | 13 | 45.58 | 4.35 | S | 14 | 54.55 | 13.27 |
| ScS | 19 | 02.53 | 6.95 | S | 16 | 14.77 | 13.68 | S | 15 | 38.80 | 13.54 | SPn | 15 | 03.19 | 13.74 |
| SS | 20 | 12.28 | 15.81 | PKiKP | 16 | 50.36 | 1.10 | SPn | 15 | 46.53 | 13.75 | PKiKP | 15 | 54.38 | 1.10 |
| SS | 20 | 29.47 | 18.17 | sS | 16 | 56.06 | 13.80 | PKiKP | 16 | 26.32 | 1.10 | ScS | 17 | 01.83 | 7.08 |
| SKiKP | 20 | 37.73 | 1.15 | pPKiKP | 17 | 17.96 | 1.09 | sS | 17 | 31.68 | 13.95 | pPKiKP | 18 | 13.95 | 1.08 |
| PKKPdf | 31 | 23.67 | -1.13 | sPKiKP | 17 | 28.30 | 1.09 | pPKiKP | 17 | 42.01 | 1.09 | sS | 18 | 14.02 | 14.27 |
| SKKPdf | 34 | 57.18 | -1.07 | ScS | 18 | 39.21 | 6.96 | ScS | 17 | 57.20 | 7.00 | SKiKP | 18 | 30.73 | 1.15 |
| PKKSdf | 34 | 57.18 | -1.07 | SS | 19 | 52.92 | 15.80 | sPKiKP | 18 | 12.23 | 1.09 | SS | 18 | 43.12 | 15.72 |
| SKKSdf | 38 | 30.56 | -1.02 | SS | 20 | 11.90 | 18.01 | SS | 19 | 20.15 | 15.77 | sPKiKP | 19 | 11.18 | 1.09 |
| P'P'df | 39 | 46.93 | -1.41 | SKiKP | 20 | 13.59 | 1.15 | SKiKP | 19 | 29.67 | 1.15 | PKKPdf | 30 | 13.90 | -1.12 |
| P'P'bc | 40 | 02.99 | -2.15 | PKKPdf | 31 | 09.87 | -1.12 | PKKPdf | 30 | 45.84 | -1.12 | SKKPdf | 32 | 50.16 | -1.07 |
| P'P'ab | 40 | 29.64 | -4.24 | SKKPdf | 34 | 33.04 | -1.07 | SKKPdf | 33 | 49.11 | -1.07 | PKKSdf | 33 | 47.38 | -1.06 |
| S'S'df | 54 | 03.03 | -1.14 | PKKSdf | 34 | 43.38 | -1.07 | PKKSdf | 34 | 19.33 | -1.07 | SKKSdf | 36 | 23.52 | -1.02 |
| | | | | SKKSdf | 38 | 06.41 | -1.02 | SKKSdf | 37 | 22.48 | -1.02 | P'P'df | 38 | 37.33 | -1.40 |
| | | | | P'P'df | 39 | 33.15 | -1.41 | P'P'df | 39 | 09.17 | -1.41 | P'P'bc | 38 | 54.00 | -2.12 |
| | | | | P'P'bc | 39 | 49.29 | -2.15 | P'P'bc | 39 | 25.49 | -2.14 | P'P'ab | 39 | 23.96 | -4.27 |
| | | | | P'P'ab | 40 | 16.36 | -4.25 | P'P'ab | 39 | 53.57 | -4.26 | S'S'df | 51 | 56.03 | -1.14 |
| | | | | S'S'df | 53 | 38.89 | -1.14 | S'S'df | 52 | 54.97 | -1.14 | | | | |

ak135

- 28 -

Delta : 54.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 9 | 25.81 | 7.31 | P | 9 | 13.70 | 7.27 | P | 8 | 53.65 | 7.18 | P | 8 | 29.09 | 7.01 |
| PcP | 10 | 31.00 | 3.81 | pP | 9 | 37.90 | 7.35 | PcP | 9 | 54.56 | 3.84 | PcP | 9 | 24.49 | 3.88 |
| PP | 11 | 27.07 | 9.00 | sP | 9 | 49.03 | 7.33 | pP | 9 | 57.74 | 7.44 | pP | 10 | 21.13 | 7.65 |
| PP | 11 | 34.91 | 9.97 | PcP | 10 | 17.61 | 3.82 | sP | 10 | 30.83 | 7.37 | PP | 10 | 39.55 | 8.84 |
| PcS | 14 | 30.28 | 4.37 | PP | 11 | 15.98 | 8.98 | PP | 10 | 58.50 | 8.92 | sP | 11 | 25.78 | 7.45 |
| ScP | 14 | 30.28 | 4.37 | PP | 11 | 24.53 | 9.90 | ScP | 13 | 23.24 | 4.38 | ScP | 12 | 25.59 | 4.39 |
| S | 17 | 02.70 | 13.53 | ScP | 14 | 06.45 | 4.37 | PcS | 13 | 54.32 | 4.39 | PcS | 13 | 24.88 | 4.40 |
| PKiKP | 17 | 06.39 | 1.13 | PcS | 14 | 17.03 | 4.37 | S | 16 | 05.68 | 13.33 | S | 15 | 20.89 | 13.06 |
| SPn | 17 | 10.46 | 13.75 | S | 16 | 41.92 | 13.47 | SPn | 16 | 14.04 | 13.75 | SPn | 15 | 30.67 | 13.73 |
| PnS | 17 | 10.46 | 13.75 | SPn | 16 | 49.83 | 13.75 | PKiKP | 16 | 28.55 | 1.13 | PKiKP | 15 | 56.62 | 1.14 |
| ScS | 19 | 16.56 | 7.08 | PKiKP | 16 | 52.59 | 1.13 | pPKiKP | 17 | 44.22 | 1.13 | ScS | 17 | 16.12 | 7.21 |
| SKiKP | 20 | 40.06 | 1.18 | pPKiKP | 17 | 20.18 | 1.13 | sS | 17 | 59.36 | 13.73 | pPKiKP | 18 | 16.15 | 1.12 |
| SS | 20 | 43.86 | 15.78 | sS | 17 | 23.44 | 13.58 | ScS | 18 | 11.34 | 7.14 | SKiKP | 18 | 33.07 | 1.19 |
| SS | 21 | 05.45 | 17.80 | sPKiKP | 17 | 30.53 | 1.13 | sPKiKP | 18 | 14.45 | 1.13 | sS | 18 | 42.33 | 14.04 |
| PKKPdf | 31 | 21.38 | -1.17 | ScS | 18 | 53.28 | 7.10 | SKiKP | 19 | 32.00 | 1.19 | sPKiKP | 19 | 13.39 | 1.13 |
| PKKSdf | 34 | 55.00 | -1.11 | SKiKP | 20 | 15.92 | 1.18 | SS | 19 | 51.67 | 15.74 | SS | 19 | 14.54 | 15.69 |
| SKKPdf | 34 | 55.00 | -1.11 | SS | 20 | 24.48 | 15.77 | PKKPdf | 30 | 43.55 | -1.16 | PKKPdf | 30 | 11.63 | -1.16 |
| SKKSdf | 38 | 28.47 | -1.06 | PKKPdf | 31 | 07.58 | -1.16 | SKKPdf | 33 | 46.94 | -1.11 | SKKPdf | 32 | 47.99 | -1.11 |
| P'P'df | 39 | 44.06 | -1.46 | SKKPdf | 34 | 30.86 | -1.11 | PKKSdf | 34 | 17.16 | -1.11 | PKKSdf | 33 | 45.22 | -1.10 |
| P'P'bc | 39 | 58.64 | -2.20 | PKKSdf | 34 | 41.20 | -1.11 | SKKSdf | 37 | 20.40 | -1.06 | SKKSdf | 36 | 21.45 | -1.06 |
| P'P'ab | 40 | 21.18 | -4.22 | SKKSdf | 38 | 04.33 | -1.06 | P'P'df | 39 | 06.31 | -1.45 | P'P'df | 38 | 34.49 | -1.44 |
| S'S'df | 54 | 00.70 | -1.18 | P'P'df | 39 | 30.29 | -1.45 | P'P'bc | 39 | 21.16 | -2.19 | P'P'bc | 38 | 49.70 | -2.17 |
| | | | | P'P'bc | 39 | 44.95 | -2.20 | P'P'ab | 39 | 45.08 | -4.23 | P'P'ab | 39 | 15.44 | -4.25 |
| | | | | P'P'ab | 40 | 07.90 | -4.22 | S'S'df | 52 | 52.65 | -1.18 | S'S'df | 51 | 53.71 | -1.18 |
| | | | | S'S'df | 53 | 36.57 | -1.18 | | | | | | | | |

ak135

- 29 -

Delta : 56.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 9 | 40.28 | 7.16 | P | 9 | 28.09 | 7.12 | P | 9 | 07.87 | 7.04 | P | 8 | 42.97 | 6.87 |
| PcP | 10 | 38.69 | 3.88 | pP | 9 | 52.45 | 7.20 | PcP | 10 | 02.31 | 3.91 | PcP | 9 | 32.31 | 3.94 |
| PP | 11 | 45.01 | 8.93 | sP | 10 | 03.54 | 7.18 | pP | 10 | 12.47 | 7.29 | pP | 10 | 36.27 | 7.49 |
| PP | 11 | 54.67 | 9.78 | PcP | 10 | 25.32 | 3.89 | sP | 10 | 45.43 | 7.22 | PP | 10 | 57.21 | 8.81 |
| PcS | 14 | 39.05 | 4.40 | PP | 11 | 33.86 | 8.91 | PP | 11 | 16.28 | 8.88 | sP | 11 | 40.54 | 7.31 |
| ScP | 14 | 39.05 | 4.40 | ScP | 14 | 15.23 | 4.40 | ScP | 13 | 32.02 | 4.41 | ScP | 12 | 34.40 | 4.41 |
| PKiKP | 17 | 08.68 | 1.17 | PcS | 14 | 25.81 | 4.40 | PcS | 14 | 03.12 | 4.41 | PcS | 13 | 33.71 | 4.42 |
| S | 17 | 29.54 | 13.31 | PKiKP | 16 | 54.89 | 1.17 | PKiKP | 16 | 30.86 | 1.17 | S | 15 | 46.80 | 12.85 |
| SPn | 17 | 37.96 | 13.75 | S | 17 | 08.65 | 13.25 | S | 16 | 32.12 | 13.11 | SPn | 15 | 58.12 | 13.72 |
| PnS | 17 | 37.96 | 13.75 | SPn | 17 | 17.32 | 13.74 | SPn | 16 | 41.52 | 13.74 | PKiKP | 15 | 58.94 | 1.18 |
| ScS | 19 | 30.85 | 7.21 | pPKiKP | 17 | 22.48 | 1.17 | pPKiKP | 17 | 46.51 | 1.16 | ScS | 17 | 30.66 | 7.33 |
| SKiKP | 20 | 42.46 | 1.22 | sPKiKP | 17 | 32.82 | 1.17 | sPKiKP | 18 | 16.74 | 1.16 | pPKiKP | 18 | 18.43 | 1.16 |
| SS | 21 | 15.39 | 15.75 | sS | 17 | 50.40 | 13.37 | ScS | 18 | 25.74 | 7.26 | SKiKP | 18 | 35.48 | 1.23 |
| PKKPdf | 31 | 19.01 | -1.21 | ScS | 19 | 07.61 | 7.23 | sS | 18 | 26.59 | 13.51 | sS | 19 | 10.19 | 13.81 |
| SKKPdf | 34 | 52.74 | -1.15 | SKiKP | 20 | 18.33 | 1.22 | SKiKP | 19 | 34.41 | 1.22 | sPKiKP | 19 | 15.68 | 1.16 |
| PKKSdf | 34 | 52.74 | -1.15 | SS | 20 | 55.99 | 15.74 | SS | 20 | 23.13 | 15.72 | SS | 19 | 45.89 | 15.66 |
| SKKSdf | 38 | 26.31 | -1.10 | PKKPdf | 31 | 05.22 | -1.20 | PKKPdf | 30 | 41.19 | -1.20 | PKKPdf | 30 | 09.28 | -1.19 |
| P'P'df | 39 | 41.11 | -1.50 | SKKPdf | 34 | 28.60 | -1.15 | SKKPdf | 33 | 44.68 | -1.15 | SKKPdf | 32 | 45.74 | -1.14 |
| P'P'bc | 39 | 54.17 | -2.27 | PKKSdf | 34 | 38.94 | -1.15 | PKKSdf | 34 | 14.91 | -1.14 | PKKSdf | 33 | 42.98 | -1.14 |
| P'P'ab | 40 | 12.78 | -4.18 | SKKSdf | 38 | 02.17 | -1.10 | SKKSdf | 37 | 18.25 | -1.10 | SKKSdf | 36 | 19.30 | -1.09 |
| S'S'df | 53 | 58.30 | -1.22 | P'P'df | 39 | 27.34 | -1.50 | P'P'df | 39 | 03.37 | -1.49 | P'P'df | 38 | 31.56 | -1.48 |
| | | | | P'P'bc | 39 | 40.49 | -2.26 | P'P'bc | 39 | 16.72 | -2.25 | P'P'bc | 38 | 45.29 | -2.23 |
| | | | | P'P'ab | 39 | 59.49 | -4.19 | P'P'ab | 39 | 36.65 | -4.20 | P'P'ab | 39 | 06.98 | -4.22 |
| | | | | S'S'df | 53 | 34.16 | -1.22 | S'S'df | 52 | 50.25 | -1.22 | S'S'df | 51 | 51.32 | -1.22 |

ak135

- 30 -

Delta : 58.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 9 | 54.46 | 7.02 | P | 9 | 42.20 | 6.98 | P | 9 | 21.80 | 6.90 | P | 8 | 56.57 | 6.73 |
| PcP | 10 | 46.52 | 3.94 | pP | 10 | 06.70 | 7.05 | PcP | 10 | 10.18 | 3.97 | PcP | 9 | 40.25 | 4.00 |
| PP | 12 | 02.82 | 8.88 | sP | 10 | 17.75 | 7.03 | pP | 10 | 26.90 | 7.14 | pP | 10 | 51.10 | 7.34 |
| PcS | 14 | 47.87 | 4.42 | PcP | 10 | 33.16 | 3.95 | sP | 10 | 59.72 | 7.08 | PP | 11 | 14.81 | 8.78 |
| ScP | 14 | 47.87 | 4.42 | PP | 11 | 51.64 | 8.87 | PP | 11 | 34.00 | 8.84 | sP | 11 | 55.01 | 7.16 |
| PKiKP | 17 | 11.05 | 1.20 | ScP | 14 | 24.05 | 4.42 | ScP | 13 | 40.86 | 4.43 | ScP | 12 | 43.24 | 4.43 |
| S | 17 | 55.94 | 13.09 | PcS | 14 | 34.64 | 4.42 | PcS | 14 | 11.96 | 4.43 | PcS | 13 | 42.57 | 4.44 |
| SPn | 18 | 05.45 | 13.74 | PKiKP | 16 | 57.26 | 1.20 | PKiKP | 16 | 33.23 | 1.21 | PKiKP | 16 | 01.33 | 1.21 |
| PnS | 18 | 05.45 | 13.74 | pPKiKP | 17 | 24.85 | 1.20 | S | 16 | 58.13 | 12.90 | S | 16 | 12.30 | 12.64 |
| ScS | 19 | 45.39 | 7.33 | S | 17 | 34.93 | 13.03 | SPn | 17 | 08.98 | 13.72 | SPn | 16 | 25.54 | 13.70 |
| SKiKP | 20 | 44.94 | 1.26 | sPKiKP | 17 | 35.19 | 1.20 | pPKiKP | 17 | 48.87 | 1.20 | ScS | 17 | 45.43 | 7.44 |
| SS | 21 | 46.86 | 15.72 | SPn | 17 | 44.80 | 13.73 | sPKiKP | 18 | 19.10 | 1.20 | pPKiKP | 18 | 20.78 | 1.19 |
| PKKPdf | 31 | 16.56 | -1.24 | sS | 18 | 16.91 | 13.15 | ScS | 18 | 40.39 | 7.38 | SKiKP | 18 | 37.97 | 1.26 |
| SKKPdf | 34 | 50.40 | -1.19 | ScS | 19 | 22.18 | 7.35 | sS | 18 | 53.39 | 13.29 | sPKiKP | 19 | 18.04 | 1.20 |
| PKKSdf | 34 | 50.40 | -1.19 | SKiKP | 20 | 20.80 | 1.26 | SKiKP | 19 | 36.89 | 1.26 | sS | 19 | 37.57 | 13.58 |
| SKKSdf | 38 | 24.08 | -1.13 | SS | 21 | 27.44 | 15.71 | SS | 20 | 54.54 | 15.69 | SS | 20 | 17.16 | 15.61 |
| P'P'df | 39 | 38.07 | -1.54 | PKKPdf | 31 | 02.77 | -1.24 | PKKPdf | 30 | 38.75 | -1.24 | PKKPdf | 30 | 06.85 | -1.23 |
| P'P'bc | 39 | 49.56 | -2.34 | SKKPdf | 34 | 26.27 | -1.19 | SKKPdf | 33 | 42.35 | -1.18 | SKKPdf | 32 | 43.41 | -1.18 |
| P'P'ab | 40 | 04.45 | -4.15 | PKKSdf | 34 | 36.61 | -1.19 | PKKSdf | 34 | 12.58 | -1.18 | PKKSdf | 33 | 40.66 | -1.18 |
| S'S'df | 53 | 55.81 | -1.26 | SKKSdf | 37 | 59.94 | -1.13 | SKKSdf | 37 | 16.02 | -1.13 | SKKSdf | 36 | 17.08 | -1.13 |
| | | | | P'P'df | 39 | 24.31 | -1.54 | P'P'df | 39 | 00.35 | -1.53 | P'P'df | 38 | 28.56 | -1.52 |
| | | | | P'P'bc | 39 | 35.89 | -2.34 | P'P'bc | 39 | 12.15 | -2.32 | P'P'bc | 38 | 40.76 | -2.30 |
| | | | | P'P'ab | 39 | 51.14 | -4.15 | P'P'ab | 39 | 28.28 | -4.17 | P'P'ab | 38 | 58.57 | -4.19 |
| | | | | S'S'df | 53 | 31.68 | -1.26 | S'S'df | 52 | 47.77 | -1.26 | S'S'df | 51 | 48.84 | -1.26 |

| Delta : | 60.0 | | | | | | | | | | | | | | |
|----------------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 10 | 08.34 | 6.87 | P | 9 | 56.01 | 6.83 | P | 9 | 35.45 | 6.75 | P | 9 | 09.91 | 6.60 |
| PcP | 10 | 54.46 | 4.00 | pP | 10 | 20.65 | 6.90 | PcP | 10 | 18.17 | 4.02 | PcP | 9 | 48.30 | 4.05 |
| PP | 12 | 20.55 | 8.85 | sP | 10 | 31.67 | 6.89 | pP | 10 | 41.03 | 6.99 | pP | 11 | 05.62 | 7.18 |
| PcS | 14 | 56.73 | 4.44 | PcP | 10 | 41.12 | 4.01 | sP | 11 | 13.73 | 6.93 | PP | 11 | 32.33 | 8.74 |
| ScP | 14 | 56.73 | 4.44 | PP | 12 | 09.35 | 8.84 | PP | 11 | 51.66 | 8.81 | sP | 12 | 09.17 | 7.01 |
| PKiKP | 17 | 13.49 | 1.24 | ScP | 14 | 32.91 | 4.44 | ScP | 13 | 49.72 | 4.44 | ScP | 12 | 52.12 | 4.44 |
| S | 18 | 21.89 | 12.87 | PcS | 14 | 43.51 | 4.44 | PcS | 14 | 20.83 | 4.44 | PcS | 13 | 51.45 | 4.44 |
| SPn | 18 | 32.91 | 13.72 | PKiKP | 16 | 59.70 | 1.24 | PKiKP | 16 | 35.68 | 1.24 | PKiKP | 16 | 03.79 | 1.25 |
| PnS | 18 | 32.91 | 13.72 | pPKiKP | 17 | 27.28 | 1.24 | S | 17 | 23.71 | 12.68 | S | 16 | 37.36 | 12.42 |
| ScS | 20 | 00.17 | 7.44 | sPKiKP | 17 | 37.63 | 1.24 | SPn | 17 | 36.41 | 13.71 | SPn | 16 | 52.91 | 13.68 |
| SKiKP | 20 | 47.49 | 1.29 | S | 18 | 00.76 | 12.81 | pPKiKP | 17 | 51.30 | 1.23 | ScS | 18 | 00.42 | 7.55 |
| SS | 22 | 18.28 | 15.69 | SPn | 18 | 12.26 | 13.72 | sPKiKP | 18 | 21.54 | 1.23 | pPKiKP | 18 | 23.20 | 1.23 |
| PKKPdf | 31 | 14.03 | -1.28 | pS | 18 | 28.44 | 13.13 | ScS | 18 | 55.26 | 7.49 | SKiKP | 18 | 40.53 | 1.30 |
| SKKPdf | 34 | 47.99 | -1.22 | pS | 18 | 28.95 | 13.59 | sS | 19 | 19.74 | 13.06 | sPKiKP | 19 | 20.47 | 1.23 |
| PKKSdf | 34 | 47.99 | -1.22 | sS | 18 | 42.98 | 12.92 | SKiKP | 19 | 39.45 | 1.29 | sS | 20 | 04.51 | 13.35 |
| SKKSdf | 38 | 21.78 | -1.17 | ScS | 19 | 36.98 | 7.46 | SS | 21 | 25.88 | 15.65 | SS | 20 | 48.32 | 15.55 |
| P'P'df | 39 | 34.96 | -1.58 | SKiKP | 20 | 23.35 | 1.29 | PKKPdf | 30 | 36.23 | -1.28 | PKKPdf | 30 | 04.35 | -1.27 |
| P'P'bc | 39 | 44.80 | -2.42 | SS | 21 | 58.84 | 15.68 | SKKPdf | 33 | 39.94 | -1.22 | SKKPdf | 32 | 41.01 | -1.22 |
| P'P'ab | 39 | 56.19 | -4.11 | PKKPdf | 31 | 00.24 | -1.28 | PKKSdf | 34 | 10.18 | -1.22 | PKKSdf | 33 | 38.27 | -1.21 |
| S'S'df | 53 | 53.25 | -1.30 | SKKPdf | 34 | 23.86 | -1.22 | SKKSdf | 37 | 13.72 | -1.17 | SKKSdf | 36 | 14.78 | -1.16 |
| | | | | PKKSdf | 34 | 34.20 | -1.22 | P'P'df | 38 | 57.24 | -1.57 | P'P'df | 38 | 25.47 | -1.56 |
| | | | | SKKSdf | 37 | 57.64 | -1.17 | P'P'bc | 39 | 07.43 | -2.40 | P'P'bc | 38 | 36.09 | -2.38 |
| | | | | P'P'df | 39 | 21.20 | -1.58 | P'P'ab | 39 | 20.00 | -4.13 | P'P'ab | 38 | 50.24 | -4.15 |
| | | | | P'P'bc | 39 | 31.14 | -2.42 | S'S'df | 52 | 45.21 | -1.30 | S'S'df | 51 | 46.29 | -1.29 |
| | | | | P'P'ab | 39 | 42.87 | -4.11 | | | | | | | | |
| | | | | S'S'df | 53 | 29.12 | -1.30 | | | | | | | | |

ak135

- 32 -

Delta : 62.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 10 | 21.93 | 6.72 | P | 10 | 09.54 | 6.69 | P | 9 | 48.81 | 6.61 | P | 9 | 22.97 | 6.46 |
| PcP | 11 | 02.52 | 4.05 | pP | 10 | 34.31 | 6.76 | PcP | 10 | 26.27 | 4.07 | PcP | 9 | 56.46 | 4.10 |
| PP | 12 | 38.22 | 8.82 | sP | 10 | 45.30 | 6.74 | pP | 10 | 54.87 | 6.84 | pP | 11 | 19.82 | 7.02 |
| PcS | 15 | 05.61 | 4.44 | PcP | 10 | 49.19 | 4.06 | sP | 11 | 27.44 | 6.78 | PP | 11 | 49.75 | 8.68 |
| ScP | 15 | 05.61 | 4.44 | PP | 12 | 27.00 | 8.81 | PP | 12 | 09.26 | 8.78 | sP | 12 | 23.04 | 6.86 |
| PKiKP | 17 | 16.00 | 1.27 | ScP | 14 | 41.80 | 4.44 | ScP | 13 | 58.61 | 4.44 | ScP | 13 | 01.00 | 4.45 |
| S | 18 | 47.39 | 12.64 | PcS | 14 | 52.39 | 4.44 | PcS | 14 | 29.72 | 4.45 | PKiKP | 16 | 06.32 | 1.28 |
| SPn | 19 | 00.34 | 13.70 | PKiKP | 17 | 02.21 | 1.27 | PKiKP | 16 | 38.20 | 1.28 | S | 17 | 01.99 | 12.21 |
| PnS | 19 | 00.34 | 13.70 | pPKiKP | 17 | 29.79 | 1.27 | S | 17 | 48.84 | 12.45 | SPn | 17 | 20.24 | 13.65 |
| ScS | 20 | 15.15 | 7.54 | sPKiKP | 17 | 40.13 | 1.27 | pPKiKP | 17 | 53.80 | 1.27 | SKSac | 18 | 15.59 | 7.59 |
| SKiKP | 20 | 50.10 | 1.33 | S | 18 | 26.16 | 12.58 | SPn | 18 | 03.80 | 13.68 | SKKSac | 18 | 15.59 | 7.59 |
| SS | 22 | 49.63 | 15.66 | SPn | 18 | 39.67 | 13.70 | sPKiKP | 18 | 24.04 | 1.27 | ScS | 18 | 15.62 | 7.64 |
| PKKPdf | 31 | 11.43 | -1.32 | pS | 18 | 54.42 | 12.86 | ScS | 19 | 10.33 | 7.59 | pPKiKP | 18 | 25.69 | 1.26 |
| SKKPdf | 34 | 45.50 | -1.26 | PnS | 18 | 56.15 | 13.60 | SKiKP | 19 | 42.07 | 1.33 | SKiKP | 18 | 43.16 | 1.33 |
| PKKSdf | 34 | 45.50 | -1.26 | sS | 19 | 08.60 | 12.70 | sS | 19 | 45.63 | 12.83 | sPKiKP | 19 | 22.96 | 1.27 |
| SKKSdf | 38 | 19.40 | -1.21 | ScS | 19 | 51.99 | 7.56 | SS | 21 | 57.13 | 15.60 | sS | 20 | 30.98 | 13.11 |
| P'P'df | 39 | 31.76 | -1.61 | SKiKP | 20 | 25.97 | 1.33 | PKKPdf | 30 | 33.64 | -1.32 | SS | 21 | 19.35 | 15.48 |
| P'P'bc | 39 | 39.85 | -2.53 | SS | 22 | 30.16 | 15.64 | SKKPdf | 33 | 37.46 | -1.26 | PKKPdf | 30 | 01.77 | -1.31 |
| P'P'ab | 39 | 48.02 | -4.06 | PKKPdf | 30 | 57.64 | -1.32 | PKKSdf | 34 | 07.70 | -1.26 | SKKPdf | 32 | 38.54 | -1.26 |
| S'S'df | 53 | 50.61 | -1.34 | SKKPdf | 34 | 21.37 | -1.26 | SKKSdf | 37 | 11.35 | -1.20 | PKKSdf | 33 | 35.81 | -1.25 |
| | | | | PKKSdf | 34 | 31.72 | -1.26 | P'P'df | 38 | 54.06 | -1.61 | SKKSdf | 36 | 12.42 | -1.20 |
| | | | | SKKSdf | 37 | 55.27 | -1.21 | P'P'bc | 39 | 02.53 | -2.50 | P'P'df | 38 | 22.31 | -1.60 |
| | | | | P'P'df | 39 | 18.01 | -1.61 | P'P'ab | 39 | 11.78 | -4.08 | P'P'bc | 38 | 31.25 | -2.46 |
| | | | | P'P'bc | 39 | 26.21 | -2.52 | S'S'df | 52 | 42.58 | -1.34 | P'P'ab | 38 | 41.98 | -4.11 |
| | | | | P'P'ab | 39 | 34.70 | -4.06 | | | | | S'S'df | 51 | 43.67 | -1.33 |
| | | | | S'S'df | 53 | 26.48 | -1.34 | | | | | | | | |

ak135

- 33 -

Delta : 64.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 10 | 35.23 | 6.58 | P | 10 | 22.77 | 6.55 | P | 10 | 01.89 | 6.47 | P | 9 | 35.76 | 6.33 |
| PcP | 11 | 10.67 | 4.10 | pP | 10 | 47.68 | 6.61 | PcP | 10 | 34.47 | 4.12 | PcP | 10 | 04.71 | 4.15 |
| PP | 12 | 55.83 | 8.79 | PcP | 10 | 57.36 | 4.11 | pP | 11 | 08.40 | 6.69 | pP | 11 | 33.71 | 6.87 |
| PKiKP | 17 | 18.58 | 1.30 | sP | 10 | 58.63 | 6.60 | sP | 11 | 40.85 | 6.63 | PP | 12 | 07.07 | 8.63 |
| S | 19 | 12.45 | 12.41 | PP | 12 | 44.59 | 8.77 | PP | 12 | 26.78 | 8.74 | sP | 12 | 36.61 | 6.71 |
| SPn | 19 | 27.72 | 13.68 | PKiKP | 17 | 04.79 | 1.31 | PKiKP | 16 | 40.79 | 1.31 | PKiKP | 16 | 08.91 | 1.32 |
| PnS | 19 | 27.72 | 13.68 | pPKiKP | 17 | 32.36 | 1.30 | pPKiKP | 17 | 56.37 | 1.30 | S | 17 | 26.19 | 11.99 |
| SKSac | 20 | 30.31 | 7.59 | sPKiKP | 17 | 42.71 | 1.30 | S | 18 | 13.52 | 12.23 | SPn | 17 | 47.51 | 13.62 |
| SKKSac | 20 | 30.31 | 7.59 | S | 18 | 51.10 | 12.36 | sPKiKP | 18 | 26.61 | 1.30 | pPKiKP | 18 | 28.25 | 1.29 |
| ScS | 20 | 30.34 | 7.64 | SPn | 19 | 07.05 | 13.68 | SPn | 18 | 31.14 | 13.66 | SKSac | 18 | 30.76 | 7.59 |
| SKiKP | 20 | 52.79 | 1.36 | pS | 19 | 19.89 | 12.61 | SKSac | 19 | 25.51 | 7.59 | SKKSac | 18 | 30.77 | 7.59 |
| SS | 23 | 20.89 | 15.61 | PnS | 19 | 23.34 | 13.59 | SKKSac | 19 | 25.51 | 7.59 | ScS | 18 | 30.99 | 7.73 |
| PKKPdf | 31 | 08.75 | -1.36 | sS | 19 | 33.77 | 12.47 | ScS | 19 | 25.60 | 7.68 | SKiKP | 18 | 45.86 | 1.37 |
| PKKSdf | 34 | 42.95 | -1.30 | SKSac | 20 | 07.16 | 7.59 | SKiKP | 19 | 44.76 | 1.36 | sPKiKP | 19 | 25.53 | 1.30 |
| SKKPdf | 34 | 42.95 | -1.30 | SKKSac | 20 | 07.16 | 7.59 | sS | 20 | 11.07 | 12.60 | sS | 20 | 56.97 | 12.88 |
| SKKSdf | 38 | 16.95 | -1.24 | ScS | 20 | 07.20 | 7.65 | sSKSac | 21 | 35.11 | 7.59 | SS | 21 | 50.24 | 15.41 |
| P'P'df | 39 | 28.50 | -1.65 | SKiKP | 20 | 28.66 | 1.36 | SS | 22 | 28.26 | 15.53 | PKKPdf | 29 | 59.11 | -1.35 |
| P'P'bc | 39 | 34.67 | -2.67 | pSKSac | 20 | 42.26 | 7.59 | PKKPdf | 30 | 30.97 | -1.35 | SKKPdf | 32 | 35.99 | -1.29 |
| P'P'ab | 39 | 40.00 | -3.99 | sSKSac | 20 | 53.46 | 7.59 | SKKPdf | 33 | 34.91 | -1.29 | PKKSdf | 33 | 33.27 | -1.29 |
| S'S'df | 53 | 47.90 | -1.37 | SS | 23 | 01.39 | 15.59 | PKKSdf | 34 | 05.15 | -1.29 | SKKSdf | 36 | 10.00 | -1.24 |
| | | | | PKKPdf | 30 | 54.97 | -1.36 | SKKSdf | 37 | 08.91 | -1.24 | P'P'df | 38 | 19.07 | -1.64 |
| | | | | SKKPdf | 34 | 18.81 | -1.30 | P'P'df | 38 | 50.81 | -1.64 | P'P'bc | 38 | 26.22 | -2.57 |
| | | | | PKKSdf | 34 | 29.16 | -1.30 | P'P'bc | 38 | 57.42 | -2.62 | P'P'ab | 38 | 33.81 | -4.06 |
| | | | | SKKSdf | 37 | 52.82 | -1.24 | P'P'ab | 39 | 03.68 | -4.02 | S'S'df | 51 | 40.97 | -1.37 |
| | | | | P'P'df | 39 | 14.75 | -1.65 | S'S'df | 52 | 39.87 | -1.37 | | | | |
| | | | | P'P'bc | 39 | 21.05 | -2.65 | | | | | | | | |
| | | | | P'P'ab | 39 | 26.63 | -4.00 | | | | | | | | |
| | | | | S'S'df | 53 | 23.77 | -1.37 | | | | | | | | |

ak135

- 34 -

Delta : 66.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 10 | 48.25 | 6.44 | P | 10 | 35.72 | 6.40 | P | 10 | 14.69 | 6.33 | P | 9 | 48.27 | 6.19 |
| PcP | 11 | 18.92 | 4.15 | pP | 11 | 00.75 | 6.47 | PcP | 10 | 42.76 | 4.17 | PcP | 10 | 13.05 | 4.19 |
| PP | 13 | 13.36 | 8.74 | PcP | 11 | 05.62 | 4.15 | pP | 11 | 21.64 | 6.55 | pP | 11 | 47.29 | 6.71 |
| PKiKP | 17 | 21.22 | 1.34 | sP | 11 | 11.68 | 6.45 | sP | 11 | 53.98 | 6.49 | PP | 12 | 24.26 | 8.57 |
| S | 19 | 37.05 | 12.19 | PP | 13 | 02.09 | 8.73 | PP | 12 | 44.19 | 8.68 | sP | 12 | 49.88 | 6.56 |
| SPn | 19 | 55.06 | 13.66 | PKiKP | 17 | 07.44 | 1.34 | PKiKP | 16 | 43.44 | 1.34 | PKiKP | 16 | 11.58 | 1.35 |
| PnS | 19 | 55.06 | 13.66 | pPKiKP | 17 | 35.00 | 1.34 | pPKiKP | 17 | 59.00 | 1.33 | S | 17 | 50.00 | 11.77 |
| SKSac | 20 | 45.49 | 7.59 | sPKiKP | 17 | 45.35 | 1.34 | sPKiKP | 18 | 29.25 | 1.34 | SPn | 18 | 14.54 | 13.32 |
| SKKSac | 20 | 45.49 | 7.59 | S | 19 | 15.59 | 12.13 | S | 18 | 37.77 | 12.01 | SPn | 18 | 14.71 | 13.59 |
| ScS | 20 | 45.70 | 7.73 | SPn | 19 | 34.37 | 13.65 | SPn | 18 | 58.43 | 13.63 | SPn | 18 | 14.73 | 13.54 |
| SKiKP | 20 | 55.55 | 1.39 | pS | 19 | 44.86 | 12.36 | SKSac | 19 | 40.69 | 7.58 | pPKiKP | 18 | 30.87 | 1.33 |
| SS | 23 | 52.04 | 15.54 | PnS | 19 | 50.42 | 13.40 | SKKSac | 19 | 40.69 | 7.59 | SKSac | 18 | 45.93 | 7.58 |
| PKKPdf | 31 | 06.00 | -1.39 | PnS | 19 | 50.49 | 13.54 | ScS | 19 | 41.05 | 7.76 | SKKSac | 18 | 45.95 | 7.59 |
| PKKSdf | 34 | 40.31 | -1.33 | sS | 19 | 58.48 | 12.24 | SKiKP | 19 | 47.52 | 1.40 | ScS | 18 | 46.54 | 7.81 |
| SKKPdf | 34 | 40.31 | -1.33 | SKSac | 20 | 22.34 | 7.58 | sS | 20 | 36.04 | 12.37 | SKiKP | 18 | 48.63 | 1.40 |
| SKKSdf | 38 | 14.44 | -1.28 | SKKSac | 20 | 22.35 | 7.59 | pSKSac | 21 | 17.02 | 7.59 | sPKiKP | 19 | 28.16 | 1.33 |
| P'P'df | 39 | 25.18 | -1.68 | ScS | 20 | 22.60 | 7.74 | sSKSac | 21 | 50.29 | 7.59 | sS | 21 | 22.49 | 12.64 |
| P'P'bc | 39 | 29.17 | -2.84 | SKiKP | 20 | 31.42 | 1.39 | SS | 22 | 59.26 | 15.46 | SS | 22 | 20.97 | 15.33 |
| P'P'ab | 39 | 32.06 | -3.91 | pSKSac | 20 | 57.44 | 7.59 | PKKPdf | 30 | 28.23 | -1.39 | sSKSac | 22 | 45.03 | 7.59 |
| S'S'df | 53 | 45.11 | -1.41 | sSKSac | 21 | 08.64 | 7.59 | SKKPdf | 33 | 32.28 | -1.33 | PKKPdf | 29 | 56.38 | -1.38 |
| | | | | SS | 23 | 32.50 | 15.52 | PKKSdf | 34 | 02.53 | -1.33 | SKKPdf | 32 | 33.37 | -1.33 |
| | | | | PKKPdf | 30 | 52.22 | -1.39 | SKKSdf | 37 | 06.40 | -1.27 | PKKSdf | 33 | 30.66 | -1.32 |
| | | | | SKKPdf | 34 | 16.18 | -1.33 | P'P'df | 38 | 47.50 | -1.67 | SKKSdf | 36 | 07.47 | -1.27 |
| | | | | PKKSdf | 34 | 26.53 | -1.33 | P'P'bc | 38 | 52.02 | -2.78 | P'P'df | 38 | 15.77 | -1.66 |
| | | | | SKKSdf | 37 | 50.30 | -1.28 | P'P'ab | 38 | 55.71 | -3.95 | P'P'bc | 38 | 20.93 | -2.72 |
| | | | | P'P'df | 39 | 11.43 | -1.67 | S'S'df | 52 | 37.09 | -1.41 | P'P'ab | 38 | 25.76 | -3.99 |
| | | | | P'P'bc | 39 | 15.58 | -2.82 | | | | | S'S'df | 51 | 38.20 | -1.40 |
| | | | | P'P'ab | 39 | 18.70 | -3.92 | | | | | | | | |
| | | | | S'S'df | 53 | 20.99 | -1.41 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| Delta : | 68.0 | | | | | | | | | | | | | | |
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 11 | 00.97 | 6.29 | P | 10 | 48.39 | 6.26 | P | 10 | 27.21 | 6.19 | P | 10 | 00.51 | 6.05 |
| PcP | 11 | 27.26 | 4.19 | pP | 11 | 13.54 | 6.32 | PcP | 10 | 51.13 | 4.20 | PcP | 10 | 21.47 | 4.23 |
| PP | 13 | 30.80 | 8.69 | PcP | 11 | 13.96 | 4.19 | pP | 11 | 34.58 | 6.40 | pP | 12 | 00.55 | 6.56 |
| PKiKP | 17 | 23.93 | 1.37 | sP | 11 | 24.44 | 6.31 | sP | 12 | 06.81 | 6.34 | PP | 12 | 41.34 | 8.51 |
| S | 20 | 01.19 | 11.96 | PP | 13 | 19.49 | 8.67 | PP | 13 | 01.49 | 8.62 | sP | 13 | 02.85 | 6.41 |
| SPn | 20 | 22.35 | 13.63 | PKiKP | 17 | 10.15 | 1.37 | PKiKP | 16 | 46.15 | 1.37 | PKiKP | 16 | 14.31 | 1.38 |
| PnS | 20 | 22.35 | 13.63 | pPKiKP | 17 | 37.71 | 1.37 | pPKiKP | 18 | 01.70 | 1.37 | S | 18 | 13.29 | 11.55 |
| SKiKP | 20 | 58.37 | 1.43 | sPKiKP | 17 | 48.06 | 1.37 | sPKiKP | 18 | 31.95 | 1.37 | pPKiKP | 18 | 33.56 | 1.36 |
| SKSac | 21 | 00.65 | 7.58 | S | 19 | 39.63 | 11.91 | S | 19 | 01.56 | 11.78 | SPn | 18 | 41.04 | 13.19 |
| SKKSac | 21 | 00.67 | 7.59 | SPn | 20 | 01.64 | 13.62 | SPn | 19 | 25.64 | 13.36 | SKiKP | 18 | 51.46 | 1.43 |
| ScS | 21 | 01.24 | 7.81 | pS | 20 | 09.34 | 12.12 | SPn | 19 | 25.66 | 13.60 | SKSac | 19 | 01.06 | 7.56 |
| SS | 24 | 23.06 | 15.47 | PnS | 20 | 17.12 | 13.29 | SPn | 19 | 25.72 | 13.52 | SKKSac | 19 | 01.12 | 7.58 |
| PKKPdf | 31 | 03.17 | -1.43 | sS | 20 | 22.73 | 12.01 | SKiKP | 19 | 50.35 | 1.43 | ScS | 19 | 02.24 | 7.89 |
| PKKSdf | 34 | 37.61 | -1.37 | SKiKP | 20 | 34.24 | 1.43 | SKSac | 19 | 55.84 | 7.57 | sPKiKP | 19 | 30.86 | 1.36 |
| SKKPdf | 34 | 37.61 | -1.37 | SKSac | 20 | 37.50 | 7.57 | SKKSac | 19 | 55.87 | 7.59 | sS | 21 | 47.53 | 12.40 |
| SKKSdf | 38 | 11.85 | -1.31 | SKKSac | 20 | 37.52 | 7.59 | ScS | 19 | 56.66 | 7.84 | pSKSac | 21 | 55.46 | 7.59 |
| P'P'df | 39 | 21.80 | -1.70 | ScS | 20 | 38.15 | 7.82 | sS | 21 | 00.55 | 12.14 | SS | 22 | 51.56 | 15.25 |
| P'P'bc | 39 | 23.31 | -3.04 | pSKSac | 21 | 12.61 | 7.58 | pSKSac | 21 | 32.20 | 7.59 | sSKSac | 23 | 00.21 | 7.59 |
| P'P'ab | 39 | 24.34 | -3.80 | sSKSac | 21 | 23.80 | 7.58 | sSKSac | 22 | 05.46 | 7.58 | PKKPdf | 29 | 53.58 | -1.42 |
| S'S'df | 53 | 42.26 | -1.44 | SS | 24 | 03.47 | 15.45 | SS | 23 | 30.11 | 15.39 | SKKPdf | 32 | 30.68 | -1.36 |
| | | | | PKKPdf | 30 | 49.40 | -1.43 | PKKPdf | 30 | 25.42 | -1.42 | PKKSdf | 33 | 27.98 | -1.36 |
| | | | | SKKPdf | 34 | 13.48 | -1.37 | SKKPdf | 33 | 29.59 | -1.37 | SKKSdf | 36 | 04.90 | -1.30 |
| | | | | PKKSdf | 34 | 23.83 | -1.37 | PKKSdf | 33 | 59.84 | -1.36 | P'P'df | 38 | 12.41 | -1.69 |
| | | | | SKKSdf | 37 | 47.72 | -1.31 | SKKSdf | 37 | 03.81 | -1.31 | P'P'bc | 38 | 15.32 | -2.89 |
| | | | | P'P'df | 39 | 08.05 | -1.70 | P'P'df | 38 | 44.13 | -1.70 | P'P'ab | 38 | 17.85 | -3.91 |
| | | | | P'P'bc | 39 | 09.75 | -3.02 | P'P'bc | 38 | 46.27 | -2.97 | S'S'df | 51 | 35.35 | -1.44 |
| | | | | P'P'ab | 39 | 10.95 | -3.82 | P'P'ab | 38 | 47.90 | -3.85 | | | | |
| | | | | S'S'df | 53 | 18.13 | -1.44 | S'S'df | 52 | 34.24 | -1.44 | | | | |

ak135

- 36 -

Delta : 70.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 11 | 13.41 | 6.14 | P | 11 | 00.76 | 6.12 | P | 10 | 39.44 | 6.04 | P | 10 | 12.47 | 5.91 |
| PcP | 11 | 35.67 | 4.22 | PcP | 11 | 22.38 | 4.23 | PcP | 10 | 59.57 | 4.24 | PcP | 10 | 29.95 | 4.26 |
| PP | 13 | 48.11 | 8.63 | pP | 11 | 26.04 | 6.17 | pP | 11 | 47.23 | 6.25 | pP | 12 | 13.51 | 6.40 |
| PKiKP | 17 | 26.70 | 1.40 | sP | 11 | 36.91 | 6.16 | sP | 12 | 19.35 | 6.20 | PP | 12 | 58.30 | 8.45 |
| S | 20 | 24.88 | 11.73 | PP | 13 | 36.77 | 8.61 | PP | 13 | 18.67 | 8.56 | sP | 13 | 15.53 | 6.27 |
| PnS | 20 | 49.51 | 13.34 | PKiKP | 17 | 12.92 | 1.40 | PKiKP | 16 | 48.94 | 1.41 | PKiKP | 16 | 17.10 | 1.41 |
| SPn | 20 | 49.51 | 13.34 | pPKiKP | 17 | 40.48 | 1.40 | pPKiKP | 18 | 04.47 | 1.40 | S | 18 | 36.18 | 11.33 |
| PnS | 20 | 49.57 | 13.60 | sPKiKP | 17 | 50.83 | 1.40 | sPKiKP | 18 | 34.72 | 1.40 | pPKiKP | 18 | 36.31 | 1.39 |
| SPn | 20 | 49.57 | 13.60 | S | 20 | 03.21 | 11.68 | S | 19 | 24.90 | 11.56 | SKiKP | 18 | 54.36 | 1.46 |
| PnS | 20 | 49.62 | 13.53 | SPn | 20 | 28.64 | 13.31 | SPn | 19 | 52.22 | 13.22 | SPn | 19 | 07.27 | 13.04 |
| SPn | 20 | 49.62 | 13.53 | SPn | 20 | 28.85 | 13.59 | SKiKP | 19 | 53.24 | 1.46 | SKSac | 19 | 16.16 | 7.54 |
| SKiKP | 21 | 01.25 | 1.46 | SPn | 20 | 28.86 | 13.54 | SKSac | 20 | 10.96 | 7.55 | SKKSac | 19 | 16.28 | 7.58 |
| SKSac | 21 | 15.79 | 7.56 | pS | 20 | 33.34 | 11.88 | SKKSac | 20 | 11.04 | 7.58 | ScS | 19 | 18.08 | 7.95 |
| SKKSac | 21 | 15.84 | 7.58 | SKiKP | 20 | 37.13 | 1.46 | ScS | 20 | 12.41 | 7.91 | sPKiKP | 19 | 33.62 | 1.40 |
| ScS | 21 | 16.93 | 7.88 | PnS | 20 | 43.58 | 13.17 | sS | 21 | 24.60 | 11.91 | pSKSac | 22 | 10.64 | 7.59 |
| SS | 24 | 53.93 | 15.40 | sS | 20 | 46.53 | 11.78 | pSKSac | 21 | 47.36 | 7.58 | sS | 22 | 12.10 | 12.16 |
| PKKPdf | 31 | 00.28 | -1.46 | SKSac | 20 | 52.63 | 7.56 | sSKSac | 22 | 20.61 | 7.57 | sSKSac | 23 | 15.38 | 7.58 |
| PKKSdf | 34 | 34.84 | -1.40 | SKKSac | 20 | 52.69 | 7.58 | SS | 24 | 00.81 | 15.31 | SS | 23 | 21.99 | 15.17 |
| SKKPdf | 34 | 34.84 | -1.40 | ScS | 20 | 53.86 | 7.89 | PKKPdf | 30 | 22.53 | -1.46 | PKKPdf | 29 | 50.72 | -1.45 |
| SKKSdf | 38 | 09.19 | -1.34 | pSKSac | 21 | 27.76 | 7.57 | SKKPdf | 33 | 26.82 | -1.40 | SKKPdf | 32 | 27.92 | -1.40 |
| P'P'bc | 39 | 16.95 | -3.43 | sSKSac | 21 | 38.94 | 7.56 | PKKSdf | 33 | 57.08 | -1.40 | PKKSdf | 33 | 25.23 | -1.39 |
| P'P'ab | 39 | 16.95 | -3.52 | SS | 24 | 34.29 | 15.37 | SKKSdf | 37 | 01.16 | -1.34 | SKKSdf | 36 | 02.26 | -1.34 |
| P'P'df | 39 | 18.37 | -1.73 | PKKPdf | 30 | 46.51 | -1.46 | P'P'bc | 38 | 40.10 | -3.21 | P'P'df | 38 | 09.00 | -1.72 |
| S'S'df | 53 | 39.33 | -1.48 | SKKPdf | 34 | 10.72 | -1.40 | P'P'ab | 38 | 40.34 | -3.69 | P'P'bc | 38 | 09.34 | -3.10 |
| | | | | PKKSdf | 34 | 21.07 | -1.40 | P'P'df | 38 | 40.71 | -1.72 | P'P'ab | 38 | 10.15 | -3.79 |
| | | | | SKKSdf | 37 | 45.06 | -1.34 | S'S'df | 52 | 31.33 | -1.48 | S'S'df | 51 | 32.44 | -1.47 |
| | | | | P'P'bc | 39 | 03.46 | -3.33 | | | | | | | | |
| | | | | P'P'ab | 39 | 03.50 | -3.60 | | | | | | | | |
| | | | | P'P'df | 39 | 04.63 | -1.72 | | | | | | | | |
| | | | | S'S'df | 53 | 15.21 | -1.48 | | | | | | | | |

ak135

- 37 -

Delta : 72.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 11 | 25.55 | 6.00 | P | 11 | 12.85 | 5.97 | P | 10 | 51.39 | 5.90 | P | 10 | 24.15 | 5.77 |
| PcP | 11 | 44.15 | 4.26 | PcP | 11 | 30.88 | 4.26 | PcP | 11 | 08.09 | 4.27 | PcP | 10 | 38.51 | 4.29 |
| PP | 14 | 05.31 | 8.57 | pP | 11 | 38.24 | 6.03 | pP | 11 | 59.58 | 6.10 | pP | 12 | 26.17 | 6.25 |
| PKiKP | 17 | 29.54 | 1.43 | sP | 11 | 49.08 | 6.02 | sP | 12 | 31.60 | 6.05 | PP | 13 | 15.14 | 8.39 |
| S | 20 | 48.11 | 11.50 | PP | 13 | 53.93 | 8.55 | PP | 13 | 35.73 | 8.50 | sP | 13 | 27.92 | 6.12 |
| SKiKP | 21 | 04.20 | 1.49 | PKiKP | 17 | 15.76 | 1.43 | PKiKP | 16 | 51.78 | 1.44 | PKiKP | 16 | 19.96 | 1.44 |
| SPn | 21 | 16.05 | 13.20 | pPKiKP | 17 | 43.31 | 1.43 | pPKiKP | 18 | 07.29 | 1.43 | pPKiKP | 18 | 39.12 | 1.42 |
| PnS | 21 | 16.05 | 13.20 | sPKiKP | 17 | 53.66 | 1.43 | sPKiKP | 18 | 37.55 | 1.43 | SKiKP | 18 | 57.32 | 1.50 |
| SKSac | 21 | 30.89 | 7.54 | S | 20 | 26.34 | 11.45 | S | 19 | 47.79 | 11.33 | S | 18 | 58.61 | 11.10 |
| SKKSac | 21 | 31.01 | 7.58 | SKiKP | 20 | 40.08 | 1.49 | SKiKP | 19 | 56.19 | 1.49 | SKSac | 19 | 31.20 | 7.51 |
| ScS | 21 | 32.76 | 7.95 | SPn | 20 | 55.11 | 13.17 | SPn | 20 | 18.52 | 13.08 | SKKSac | 19 | 31.44 | 7.57 |
| SS | 25 | 24.65 | 15.32 | pS | 20 | 56.86 | 11.64 | SKSac | 20 | 26.04 | 7.52 | SPn | 19 | 33.19 | 12.87 |
| PKKPdf | 30 | 57.32 | -1.50 | SKSac | 21 | 07.73 | 7.53 | SKKSac | 20 | 26.20 | 7.58 | ScS | 19 | 34.05 | 8.01 |
| PKKPbc | 31 | 13.06 | -2.07 | SKKSac | 21 | 07.86 | 7.58 | ScS | 20 | 28.30 | 7.98 | sPKiKP | 19 | 36.44 | 1.43 |
| SKKPdf | 34 | 32.00 | -1.44 | ScS | 21 | 09.71 | 7.96 | sS | 21 | 48.18 | 11.67 | pSKSac | 22 | 25.81 | 7.58 |
| PKKSdf | 34 | 32.00 | -1.44 | PnS | 21 | 09.80 | 13.05 | pSKSac | 22 | 02.50 | 7.56 | sS | 22 | 36.18 | 11.92 |
| SKKSdf | 38 | 06.47 | -1.38 | sS | 21 | 09.86 | 11.55 | sSKSac | 22 | 35.73 | 7.55 | sSKSac | 23 | 30.51 | 7.56 |
| P'P'df | 39 | 14.90 | -1.75 | pSKSac | 21 | 42.87 | 7.54 | SS | 24 | 31.35 | 15.23 | SS | 23 | 52.25 | 15.09 |
| S'S'df | 53 | 36.35 | -1.51 | sSKSac | 21 | 54.05 | 7.54 | PKKPdf | 30 | 19.59 | -1.49 | PKKPdf | 29 | 47.78 | -1.48 |
| S'S'ac | 53 | 51.56 | -2.08 | SS | 25 | 04.96 | 15.29 | SKKPdf | 33 | 23.99 | -1.43 | SKKPdf | 32 | 25.10 | -1.43 |
| | | | | PKKPdf | 30 | 43.56 | -1.49 | PKKSdf | 33 | 54.25 | -1.43 | PKKSdf | 33 | 22.42 | -1.42 |
| | | | | SKKPdf | 34 | 07.88 | -1.43 | SKKSdf | 36 | 58.45 | -1.37 | SKKSdf | 35 | 59.54 | -1.37 |
| | | | | PKKSdf | 34 | 18.23 | -1.43 | P'P'df | 38 | 37.24 | -1.74 | P'P'df | 38 | 05.55 | -1.74 |
| | | | | SKKSdf | 37 | 42.34 | -1.38 | S'S'df | 52 | 28.34 | -1.51 | S'S'df | 51 | 29.47 | -1.50 |
| | | | | P'P'df | 39 | 01.16 | -1.75 | S'S'ac | 52 | 43.67 | -2.08 | S'S'ac | 51 | 44.95 | -2.07 |
| | | | | S'S'df | 53 | 12.22 | -1.51 | | | | | | | | |
| | | | | S'S'ac | 53 | 27.48 | -2.08 | | | | | | | | |

| Delta : | 74.0 | | | | | | | | | | | | | | |
|---------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 11 | 37.40 | 5.85 | P | 11 | 24.64 | 5.82 | P | 11 | 03.04 | 5.75 | P | 10 | 35.55 | 5.63 |
| PcP | 11 | 52.70 | 4.29 | PcP | 11 | 39.43 | 4.29 | PcP | 11 | 16.66 | 4.30 | PcP | 10 | 47.11 | 4.32 |
| PP | 14 | 22.39 | 8.51 | pP | 11 | 50.15 | 5.88 | pP | 12 | 11.63 | 5.95 | pP | 12 | 38.51 | 6.10 |
| PKiKP | 17 | 32.43 | 1.46 | sP | 12 | 00.96 | 5.87 | sP | 12 | 43.56 | 5.90 | PP | 13 | 31.85 | 8.32 |
| SKiKP | 21 | 07.21 | 1.52 | PP | 14 | 10.96 | 8.49 | PP | 13 | 52.66 | 8.44 | sP | 13 | 40.01 | 5.97 |
| S | 21 | 10.87 | 11.26 | PKiKP | 17 | 18.66 | 1.46 | PKiKP | 16 | 54.68 | 1.47 | PKiKP | 16 | 22.87 | 1.47 |
| SPn | 21 | 42.33 | 13.06 | pPKiKP | 17 | 46.20 | 1.46 | pPKiKP | 18 | 10.18 | 1.46 | pPKiKP | 18 | 42.00 | 1.45 |
| PnS | 21 | 42.33 | 13.06 | sPKiKP | 17 | 56.56 | 1.46 | sPKiKP | 18 | 40.44 | 1.46 | SKiKP | 19 | 00.34 | 1.53 |
| SKSac | 21 | 45.93 | 7.51 | SKiKP | 20 | 43.09 | 1.52 | SKiKP | 19 | 59.21 | 1.52 | S | 19 | 20.59 | 10.88 |
| SKKSac | 21 | 46.16 | 7.57 | S | 20 | 48.99 | 11.21 | S | 20 | 10.20 | 11.09 | sPKiKP | 19 | 39.33 | 1.46 |
| ScS | 21 | 48.71 | 8.01 | pS | 21 | 19.90 | 11.40 | SKSac | 20 | 41.06 | 7.49 | SKSac | 19 | 46.17 | 7.43 |
| SS | 25 | 55.21 | 15.24 | SPn | 21 | 21.31 | 13.02 | SKKSac | 20 | 41.35 | 7.57 | SKKSac | 19 | 46.58 | 7.57 |
| PKKPdf | 30 | 54.30 | -1.53 | SKSac | 21 | 22.76 | 7.50 | ScS | 20 | 44.32 | 8.04 | ScS | 19 | 50.13 | 8.07 |
| PKKPbc | 31 | 08.88 | -2.11 | SKKSac | 21 | 23.01 | 7.57 | SPn | 20 | 44.52 | 12.91 | SPn | 19 | 58.76 | 12.70 |
| SKKPdf | 34 | 29.10 | -1.47 | ScS | 21 | 25.68 | 8.02 | pS | 21 | 30.45 | 11.97 | pSKSac | 22 | 40.96 | 7.57 |
| PKKSdf | 34 | 29.10 | -1.47 | sS | 21 | 32.72 | 11.31 | pS | 21 | 30.60 | 12.28 | sS | 22 | 59.78 | 11.68 |
| SKKSdf | 38 | 03.68 | -1.41 | PnS | 21 | 35.73 | 12.88 | sS | 22 | 11.29 | 11.43 | sSKSac | 23 | 45.61 | 7.54 |
| P'P'df | 39 | 11.38 | -1.77 | pSKSac | 21 | 57.93 | 7.52 | pSKSac | 22 | 17.59 | 7.54 | SS | 24 | 22.34 | 15.00 |
| S'S'df | 53 | 33.29 | -1.54 | sSKSac | 22 | 09.10 | 7.51 | sSKSac | 22 | 50.80 | 7.52 | PKKPdf | 29 | 44.78 | -1.52 |
| S'S'ac | 53 | 47.35 | -2.12 | SS | 25 | 35.46 | 15.21 | SS | 25 | 01.72 | 15.14 | PKKPbc | 29 | 59.85 | -2.09 |
| | | | | PKKPdf | 30 | 40.54 | -1.53 | PKKPdf | 30 | 16.57 | -1.52 | SKKPdf | 32 | 22.21 | -1.46 |
| | | | | PKKPbc | 30 | 55.18 | -2.11 | PKKPbc | 30 | 31.37 | -2.10 | PKKSdf | 33 | 19.54 | -1.46 |
| | | | | SKKPdf | 34 | 04.98 | -1.47 | SKKPdf | 33 | 21.09 | -1.46 | SKKSdf | 35 | 56.77 | -1.40 |
| | | | | PKKSdf | 34 | 15.33 | -1.47 | PKKSdf | 33 | 51.36 | -1.46 | P'P'df | 38 | 02.05 | -1.76 |
| | | | | SKKSdf | 37 | 39.56 | -1.41 | SKKSdf | 36 | 55.66 | -1.41 | S'S'df | 51 | 26.43 | -1.54 |
| | | | | P'P'df | 38 | 57.64 | -1.77 | P'P'df | 38 | 33.74 | -1.76 | S'S'ac | 51 | 40.76 | -2.11 |
| | | | | S'S'df | 53 | 09.17 | -1.54 | S'S'df | 52 | 25.29 | -1.54 | | | | |
| | | | | S'S'ac | 53 | 23.27 | -2.12 | S'S'ac | 52 | 39.48 | -2.12 | | | | |

ak135

- 39 -

Delta : 76.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 11 | 48.96 | 5.70 | P | 11 | 36.14 | 5.68 | P | 11 | 14.41 | 5.61 | P | 10 | 46.67 | 5.49 |
| PcP | 12 | 01.30 | 4.32 | PcP | 11 | 48.04 | 4.32 | PcP | 11 | 25.29 | 4.33 | PcP | 10 | 55.77 | 4.34 |
| PP | 14 | 39.34 | 8.44 | pP | 12 | 01.76 | 5.73 | pP | 12 | 23.38 | 5.80 | pP | 12 | 50.55 | 5.94 |
| PKiKP | 17 | 35.39 | 1.49 | sP | 12 | 12.55 | 5.72 | sP | 12 | 55.21 | 5.75 | PP | 13 | 48.43 | 8.26 |
| SKiKP | 21 | 10.28 | 1.55 | PP | 14 | 27.87 | 8.42 | PP | 14 | 09.47 | 8.37 | sP | 13 | 51.80 | 5.82 |
| S | 21 | 33.15 | 11.02 | PKiKP | 17 | 21.62 | 1.49 | PKiKP | 16 | 57.65 | 1.50 | PKiKP | 16 | 25.85 | 1.50 |
| SKSac | 22 | 00.90 | 7.44 | pPKiKP | 17 | 49.16 | 1.49 | pPKiKP | 18 | 13.13 | 1.49 | pPKiKP | 18 | 44.93 | 1.48 |
| SKKSac | 22 | 01.30 | 7.57 | sPKiKP | 17 | 59.51 | 1.49 | sPKiKP | 18 | 43.39 | 1.49 | SKiKP | 19 | 03.42 | 1.55 |
| ScS | 22 | 04.78 | 8.06 | SKiKP | 20 | 46.16 | 1.55 | SKiKP | 20 | 02.28 | 1.55 | S | 19 | 42.11 | 10.65 |
| SPn | 22 | 08.27 | 12.88 | S | 21 | 11.17 | 10.97 | S | 20 | 32.16 | 10.86 | sPKiKP | 19 | 42.27 | 1.49 |
| PnS | 22 | 08.27 | 12.88 | SKSac | 21 | 37.71 | 7.40 | SKSac | 20 | 55.92 | 7.32 | SKSac | 20 | 00.80 | 7.21 |
| SS | 26 | 25.60 | 15.15 | SKKSac | 21 | 38.15 | 7.57 | SKKSac | 20 | 56.48 | 7.56 | SKKSac | 20 | 01.70 | 7.56 |
| PKKPdf | 30 | 51.21 | -1.56 | ScS | 21 | 41.77 | 8.07 | ScS | 21 | 00.44 | 8.09 | ScS | 20 | 06.32 | 8.12 |
| PKKPbc | 31 | 04.62 | -2.15 | pS | 21 | 42.44 | 11.15 | SPn | 21 | 10.15 | 12.73 | SPn | 20 | 24.00 | 12.55 |
| SKKPdf | 34 | 26.14 | -1.50 | SPn | 21 | 47.16 | 12.83 | pS | 21 | 54.03 | 11.62 | pSKSac | 22 | 56.07 | 7.55 |
| PKKSdf | 34 | 26.14 | -1.50 | sS | 21 | 55.10 | 11.07 | PnS | 21 | 55.13 | 12.24 | sS | 23 | 22.90 | 11.43 |
| SKKSdf | 38 | 00.83 | -1.44 | PnS | 22 | 01.34 | 12.72 | pSKSac | 22 | 32.63 | 7.51 | sSKSac | 24 | 00.66 | 7.51 |
| P'P'df | 39 | 07.83 | -1.79 | pSKSac | 22 | 12.93 | 7.47 | sS | 22 | 33.91 | 11.19 | SS | 24 | 52.25 | 14.91 |
| S'S'df | 53 | 30.17 | -1.58 | sSKSac | 22 | 24.09 | 7.46 | sSKSac | 23 | 05.81 | 7.49 | PKKPdf | 29 | 41.72 | -1.55 |
| S'S'ac | 53 | 43.07 | -2.16 | SS | 26 | 05.80 | 15.13 | SS | 25 | 31.92 | 15.06 | PKKPbc | 29 | 55.63 | -2.13 |
| | | | | PKKPdf | 30 | 37.45 | -1.56 | PKKPdf | 30 | 13.50 | -1.56 | SKKPdf | 32 | 19.25 | -1.49 |
| | | | | PKKPbc | 30 | 50.93 | -2.15 | PKKPbc | 30 | 27.13 | -2.14 | PKKSdf | 33 | 16.59 | -1.49 |
| | | | | SKKPdf | 34 | 02.01 | -1.50 | SKKPdf | 33 | 18.13 | -1.50 | SKKSdf | 35 | 53.93 | -1.44 |
| | | | | PKKSdf | 34 | 12.37 | -1.50 | PKKSdf | 33 | 48.40 | -1.49 | P'P'df | 37 | 58.51 | -1.78 |
| | | | | SKKSdf | 37 | 36.71 | -1.44 | SKKSdf | 36 | 52.82 | -1.44 | S'S'df | 51 | 23.32 | -1.57 |
| | | | | P'P'df | 38 | 54.09 | -1.78 | P'P'df | 38 | 30.19 | -1.78 | S'S'ac | 51 | 36.49 | -2.15 |
| | | | | S'S'df | 53 | 06.05 | -1.57 | S'S'df | 52 | 22.18 | -1.57 | | | | |
| | | | | S'S'ac | 53 | 18.99 | -2.16 | S'S'ac | 52 | 35.20 | -2.16 | | | | |

ak135

- 40 -

Delta : 78.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 12 | 00.22 | 5.56 | P | 11 | 47.35 | 5.53 | P | 11 | 25.49 | 5.47 | P | 10 | 57.52 | 5.35 |
| PcP | 12 | 09.96 | 4.34 | PcP | 11 | 56.70 | 4.34 | PcP | 11 | 33.97 | 4.35 | PcP | 11 | 04.48 | 4.36 |
| PP | 14 | 56.16 | 8.38 | pP | 12 | 13.08 | 5.58 | pP | 12 | 34.83 | 5.65 | pP | 13 | 02.28 | 5.78 |
| PKiKP | 17 | 38.40 | 1.52 | sP | 12 | 23.84 | 5.57 | sP | 13 | 06.57 | 5.61 | sP | 14 | 03.28 | 5.67 |
| SKiKP | 21 | 13.40 | 1.58 | PP | 14 | 44.65 | 8.36 | PP | 14 | 26.14 | 8.30 | PP | 14 | 04.88 | 8.19 |
| S | 21 | 54.95 | 10.78 | PKiKP | 17 | 24.64 | 1.52 | PKiKP | 17 | 00.67 | 1.53 | PKiKP | 16 | 28.88 | 1.53 |
| SKSac | 22 | 15.53 | 7.21 | pPKiKP | 17 | 52.17 | 1.52 | pPKiKP | 18 | 16.13 | 1.52 | pPKiKP | 18 | 47.93 | 1.51 |
| SKKSac | 22 | 16.43 | 7.56 | sPKiKP | 18 | 02.52 | 1.52 | sPKiKP | 18 | 46.40 | 1.52 | SKiKP | 19 | 06.56 | 1.58 |
| ScS | 22 | 20.96 | 8.11 | SKiKP | 20 | 49.29 | 1.58 | SKiKP | 20 | 05.41 | 1.58 | sPKiKP | 19 | 45.28 | 1.52 |
| SPn | 22 | 33.85 | 12.70 | S | 21 | 32.88 | 10.73 | S | 20 | 53.64 | 10.62 | S | 20 | 03.17 | 10.42 |
| PnS | 22 | 33.85 | 12.70 | SKSac | 21 | 52.28 | 7.18 | SKSac | 21 | 10.36 | 7.12 | SKSac | 20 | 15.01 | 6.99 |
| SS | 26 | 55.82 | 15.07 | SKKSac | 21 | 53.27 | 7.56 | SKKSac | 21 | 11.60 | 7.55 | SKKSac | 20 | 16.81 | 7.55 |
| PKKPdf | 30 | 48.06 | -1.59 | ScS | 21 | 57.96 | 8.12 | ScS | 21 | 16.66 | 8.13 | ScS | 20 | 22.60 | 8.16 |
| PKKPbc | 31 | 00.29 | -2.19 | pS | 22 | 04.50 | 10.91 | SPn | 21 | 35.45 | 12.57 | SPn | 20 | 48.95 | 12.40 |
| SKKPdf | 34 | 23.11 | -1.53 | SPn | 22 | 12.65 | 12.66 | pS | 22 | 16.97 | 11.32 | pSKSac | 23 | 11.14 | 7.52 |
| PKKSdf | 34 | 23.11 | -1.53 | sS | 22 | 17.01 | 10.83 | PnS | 22 | 19.53 | 12.15 | sS | 23 | 45.51 | 11.18 |
| SKKPbc | 34 | 38.10 | -2.08 | PnS | 22 | 26.62 | 12.57 | pSKSac | 22 | 47.59 | 7.41 | sSKSac | 24 | 15.64 | 7.44 |
| PKKSbc | 34 | 38.10 | -2.08 | pSKSac | 22 | 27.67 | 7.26 | sS | 22 | 56.05 | 10.95 | SS | 25 | 21.98 | 14.82 |
| SKKSdf | 37 | 57.92 | -1.47 | sSKSac | 22 | 38.78 | 7.23 | sSKSac | 23 | 20.63 | 7.29 | PKKPdf | 29 | 38.59 | -1.58 |
| P'P'df | 39 | 04.24 | -1.80 | SS | 26 | 35.96 | 15.04 | SS | 26 | 01.95 | 14.97 | PKKPbc | 29 | 51.34 | -2.17 |
| S'S'df | 53 | 26.99 | -1.61 | PKKPdf | 30 | 34.30 | -1.59 | PKKPdf | 30 | 10.35 | -1.59 | SKKPdf | 32 | 16.24 | -1.52 |
| S'S'ac | 53 | 38.70 | -2.20 | PKKPbc | 30 | 46.59 | -2.19 | PKKPbc | 30 | 22.81 | -2.18 | PKKSdf | 33 | 13.59 | -1.52 |
| | | | | SKKPdf | 33 | 58.99 | -1.53 | SKKPdf | 33 | 15.11 | -1.53 | SKKSdf | 35 | 51.03 | -1.47 |
| | | | | PKKSdf | 34 | 09.34 | -1.53 | SKKPbc | 33 | 30.21 | -2.07 | P'P'df | 37 | 54.94 | -1.79 |
| | | | | SKKPbc | 34 | 14.01 | -2.07 | PKKSdf | 33 | 45.38 | -1.52 | S'S'df | 51 | 20.15 | -1.60 |
| | | | | PKKSbc | 34 | 24.40 | -2.07 | PKKSbc | 34 | 00.57 | -2.07 | S'S'ac | 51 | 32.15 | -2.19 |
| | | | | SKKSdf | 37 | 33.80 | -1.47 | SKKSdf | 36 | 49.91 | -1.47 | | | | |
| | | | | P'P'df | 38 | 50.51 | -1.80 | P'P'df | 38 | 26.61 | -1.80 | | | | |
| | | | | S'S'df | 53 | 02.87 | -1.61 | S'S'df | 52 | 19.00 | -1.60 | | | | |
| | | | | S'S'ac | 53 | 14.63 | -2.20 | S'S'ac | 52 | 30.84 | -2.20 | | | | |

| | | | | | | | | | | | | | | | |
|---------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| Delta : | 80.0 | | | | | | | | | | | | | | |
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 12 | 11.19 | 5.41 | P | 11 | 58.26 | 5.38 | P | 11 | 36.28 | 5.32 | P | 11 | 08.07 | 5.20 |
| PcP | 12 | 18.66 | 4.36 | PcP | 12 | 05.41 | 4.36 | PcP | 11 | 42.69 | 4.37 | PcP | 11 | 13.22 | 4.38 |
| PP | 15 | 12.84 | 8.31 | pP | 12 | 24.10 | 5.44 | pP | 12 | 45.98 | 5.50 | pP | 13 | 13.69 | 5.63 |
| PKiKP | 17 | 41.47 | 1.55 | sP | 12 | 34.84 | 5.43 | sP | 13 | 17.63 | 5.46 | sP | 14 | 14.47 | 5.52 |
| SKiKP | 21 | 16.59 | 1.61 | PP | 15 | 01.30 | 8.29 | PP | 14 | 42.68 | 8.24 | PP | 14 | 21.20 | 8.13 |
| S | 22 | 16.28 | 10.55 | PKiKP | 17 | 27.71 | 1.55 | PKiKP | 17 | 03.75 | 1.55 | PKiKP | 16 | 31.98 | 1.56 |
| SKSac | 22 | 29.73 | 6.98 | pPKiKP | 17 | 55.24 | 1.55 | pPKiKP | 18 | 19.19 | 1.55 | pPKiKP | 18 | 50.98 | 1.54 |
| SKKSac | 22 | 31.54 | 7.55 | sPKiKP | 18 | 05.59 | 1.55 | sPKiKP | 18 | 49.47 | 1.55 | SKiKP | 19 | 09.75 | 1.61 |
| ScS | 22 | 37.23 | 8.15 | SKiKP | 20 | 52.47 | 1.61 | SKiKP | 20 | 08.60 | 1.61 | sPKiKP | 19 | 48.34 | 1.54 |
| SPn | 22 | 59.10 | 12.54 | S | 21 | 54.11 | 10.50 | S | 21 | 14.65 | 10.39 | S | 20 | 23.77 | 10.18 |
| PnS | 22 | 59.10 | 12.54 | SKSac | 22 | 06.42 | 6.95 | SKSac | 21 | 24.36 | 6.88 | SKSac | 20 | 28.76 | 6.76 |
| SS | 27 | 25.86 | 14.97 | SKKSac | 22 | 08.38 | 7.55 | SKKSac | 21 | 26.70 | 7.54 | SKKSac | 20 | 31.90 | 7.54 |
| PKKPdf | 30 | 44.85 | -1.62 | ScS | 22 | 14.24 | 8.16 | ScS | 21 | 32.97 | 8.17 | ScS | 20 | 38.96 | 8.20 |
| PKKPbc | 30 | 55.87 | -2.23 | pS | 22 | 26.06 | 10.66 | SPn | 22 | 00.43 | 12.42 | SPn | 21 | 13.59 | 12.25 |
| SKKPdf | 34 | 20.02 | -1.56 | SPn | 22 | 37.82 | 12.50 | pS | 22 | 39.32 | 11.03 | pSKSac | 23 | 26.14 | 7.48 |
| PKKSdf | 34 | 20.02 | -1.56 | sS | 22 | 38.43 | 10.59 | PnS | 22 | 43.73 | 12.05 | sS | 24 | 07.63 | 10.93 |
| SKKPbc | 34 | 33.91 | -2.12 | pSKSac | 22 | 41.98 | 7.04 | pSKSac | 23 | 02.17 | 7.18 | sSKSac | 24 | 30.26 | 7.20 |
| PKKSbc | 34 | 33.91 | -2.12 | PnS | 22 | 51.61 | 12.42 | sS | 23 | 17.70 | 10.70 | SS | 25 | 51.52 | 14.73 |
| SKKSdf | 37 | 54.95 | -1.50 | sSKSac | 22 | 53.03 | 7.01 | sSKSac | 23 | 35.01 | 7.08 | PKKPdf | 29 | 35.39 | -1.61 |
| P'P'df | 39 | 00.63 | -1.82 | SS | 27 | 05.94 | 14.94 | SS | 26 | 31.79 | 14.87 | PKKPbc | 29 | 46.96 | -2.21 |
| S'S'df | 53 | 23.75 | -1.64 | PKKPdf | 30 | 31.09 | -1.62 | PKKPdf | 30 | 07.15 | -1.62 | SKKPdf | 32 | 13.16 | -1.55 |
| S'S'ac | 53 | 34.26 | -2.24 | PKKPbc | 30 | 42.18 | -2.23 | PKKPbc | 30 | 18.41 | -2.22 | SKKPbc | 32 | 27.31 | -2.10 |
| | | | | SKKPdf | 33 | 55.90 | -1.56 | SKKPdf | 33 | 12.02 | -1.56 | PKKSdf | 33 | 10.52 | -1.55 |
| | | | | PKKSdf | 34 | 06.25 | -1.56 | SKKPbc | 33 | 26.03 | -2.11 | PKKSbc | 33 | 24.89 | -2.10 |
| | | | | SKKPbc | 34 | 09.83 | -2.11 | PKKSdf | 33 | 42.30 | -1.56 | SKKSdf | 35 | 48.06 | -1.50 |
| | | | | PKKSbc | 34 | 20.21 | -2.11 | PKKSbc | 33 | 56.40 | -2.11 | P'P'df | 37 | 51.33 | -1.81 |
| | | | | SKKSdf | 37 | 30.82 | -1.50 | SKKSdf | 36 | 46.94 | -1.50 | S'S'df | 51 | 16.92 | -1.63 |
| | | | | P'P'df | 38 | 46.89 | -1.82 | P'P'df | 38 | 23.00 | -1.81 | S'S'ac | 51 | 27.73 | -2.23 |
| | | | | S'S'df | 52 | 59.63 | -1.63 | S'S'df | 52 | 15.77 | -1.63 | | | | |
| | | | | S'S'ac | 53 | 10.18 | -2.24 | S'S'ac | 52 | 26.41 | -2.24 | | | | |

| | | | | | | | | | | | | | | | |
|---------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| Delta : | 82.0 | | | | | | | | | | | | | | |
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 12 | 21.85 | 5.26 | P | 12 | 08.88 | 5.23 | P | 11 | 46.77 | 5.17 | P | 11 | 18.33 | 5.05 |
| PcP | 12 | 27.40 | 4.38 | PcP | 12 | 14.15 | 4.38 | PcP | 11 | 51.44 | 4.39 | PcP | 11 | 21.99 | 4.40 |
| PP | 15 | 29.39 | 8.24 | pP | 12 | 34.82 | 5.28 | pP | 12 | 56.84 | 5.35 | pP | 13 | 24.80 | 5.48 |
| PKiKP | 17 | 44.60 | 1.58 | sP | 12 | 45.53 | 5.27 | sP | 13 | 28.39 | 5.30 | sP | 14 | 25.35 | 5.37 |
| SKiKP | 21 | 19.83 | 1.63 | PP | 15 | 17.80 | 8.22 | PP | 14 | 59.09 | 8.17 | PP | 14 | 37.39 | 8.06 |
| S | 22 | 37.13 | 10.30 | PKiKP | 17 | 30.84 | 1.58 | PKiKP | 17 | 06.89 | 1.58 | PKiKP | 16 | 35.12 | 1.59 |
| SKSac | 22 | 43.44 | 6.73 | pPKiKP | 17 | 58.36 | 1.58 | pPKiKP | 18 | 22.31 | 1.57 | pPKiKP | 18 | 54.09 | 1.57 |
| SKKSac | 22 | 46.62 | 7.54 | sPKiKP | 18 | 08.72 | 1.58 | sPKiKP | 18 | 52.59 | 1.57 | SKiKP | 19 | 13.00 | 1.64 |
| ScS | 22 | 53.57 | 8.19 | SKiKP | 20 | 55.71 | 1.63 | SKiKP | 20 | 11.84 | 1.63 | sPKiKP | 19 | 51.45 | 1.57 |
| SPn | 23 | 24.03 | 12.39 | S | 22 | 14.86 | 10.25 | S | 21 | 35.18 | 10.14 | SKSac | 20 | 42.03 | 6.52 |
| PnS | 23 | 24.03 | 12.39 | SKSac | 22 | 20.07 | 6.71 | SKSac | 21 | 37.88 | 6.64 | S | 20 | 43.88 | 9.94 |
| SS | 27 | 55.71 | 14.88 | SKKSac | 22 | 23.46 | 7.54 | SKKSac | 21 | 41.78 | 7.53 | SKKSac | 20 | 46.96 | 7.53 |
| PKKPdf | 30 | 41.57 | -1.65 | ScS | 22 | 30.60 | 8.20 | ScS | 21 | 49.35 | 8.21 | ScS | 20 | 55.39 | 8.23 |
| PKKPbc | 30 | 51.36 | -2.28 | pS | 22 | 47.14 | 10.41 | SPn | 22 | 25.11 | 12.26 | SPn | 21 | 37.93 | 12.10 |
| SKKPdf | 34 | 16.86 | -1.59 | pSKSac | 22 | 55.81 | 6.79 | pS | 23 | 01.10 | 10.75 | pSKSac | 23 | 40.86 | 7.24 |
| PKKSdf | 34 | 16.86 | -1.59 | sS | 22 | 59.38 | 10.35 | PnS | 23 | 07.71 | 11.93 | sS | 24 | 29.24 | 10.68 |
| SKKPbc | 34 | 29.64 | -2.15 | SPn | 23 | 02.68 | 12.35 | pSKSac | 23 | 16.29 | 6.94 | sSKSac | 24 | 44.44 | 6.96 |
| PKKSbc | 34 | 29.64 | -2.15 | sSKSac | 23 | 06.80 | 6.76 | sS | 23 | 38.87 | 10.46 | SS | 26 | 20.88 | 14.63 |
| SKKSdf | 37 | 51.91 | -1.53 | PnS | 23 | 16.30 | 12.27 | sSKSac | 23 | 48.92 | 6.83 | PKKPdf | 29 | 32.14 | -1.64 |
| P'P'df | 38 | 56.98 | -1.83 | SS | 27 | 35.74 | 14.85 | SS | 27 | 01.44 | 14.78 | PKKPbc | 29 | 42.50 | -2.25 |
| S'S'df | 53 | 20.45 | -1.66 | PKKPdf | 30 | 27.82 | -1.65 | PKKPdf | 30 | 03.89 | -1.64 | SKKPdf | 32 | 10.02 | -1.59 |
| S'S'ac | 53 | 29.72 | -2.29 | PKKPbc | 30 | 37.68 | -2.27 | PKKPbc | 30 | 13.92 | -2.27 | SKKPbc | 32 | 23.06 | -2.14 |
| | | | | SKKPdf | 33 | 52.75 | -1.59 | SKKPdf | 33 | 08.88 | -1.59 | PKKSdf | 33 | 07.39 | -1.58 |
| | | | | PKKSdf | 34 | 03.10 | -1.59 | SKKPbc | 33 | 21.77 | -2.15 | PKKSbc | 33 | 20.66 | -2.13 |
| | | | | SKKPbc | 34 | 05.56 | -2.15 | PKKSdf | 33 | 39.16 | -1.59 | SKKSdf | 35 | 45.04 | -1.53 |
| | | | | PKKSbc | 34 | 15.95 | -2.15 | PKKSbc | 33 | 52.15 | -2.14 | P'P'df | 37 | 47.70 | -1.82 |
| | | | | SKKSdf | 37 | 27.79 | -1.53 | SKKSdf | 36 | 43.91 | -1.53 | S'S'df | 51 | 13.63 | -1.66 |
| | | | | P'P'df | 38 | 43.25 | -1.83 | P'P'df | 38 | 19.36 | -1.83 | S'S'ac | 51 | 23.22 | -2.28 |
| | | | | S'S'df | 52 | 56.34 | -1.66 | S'S'df | 52 | 12.47 | -1.66 | | | | |
| | | | | S'S'ac | 53 | 05.65 | -2.29 | S'S'ac | 52 | 21.89 | -2.28 | | | | |

| | | | | | | | | | | | | | | | | |
|----------------|------|-------|-------|--------|------|-------|-------|--------|------|-------|-------|--------|------|-------|-------|--|
| Delta : | 84.0 | | | | | | | | | | | | | | | |
| depth | 0. | | | | 100. | | | | 300. | | | | 600. | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | |
| P | 12 | 32.22 | 5.10 | P | 12 | 19.19 | 5.08 | P | 11 | 56.96 | 5.01 | P | 11 | 28.29 | 4.91 | |
| PcP | 12 | 36.17 | 4.39 | PcP | 12 | 22.93 | 4.40 | PcP | 12 | 00.23 | 4.40 | PcP | 11 | 30.80 | 4.41 | |
| PP | 15 | 45.80 | 8.17 | pP | 12 | 45.23 | 5.13 | pP | 13 | 07.38 | 5.19 | pP | 13 | 35.60 | 5.32 | |
| PKiKP | 17 | 47.78 | 1.60 | sP | 12 | 55.92 | 5.12 | sP | 13 | 38.85 | 5.15 | sP | 14 | 35.93 | 5.21 | |
| SKiKP | 21 | 23.12 | 1.66 | PP | 15 | 34.17 | 8.15 | PP | 15 | 15.36 | 8.10 | PP | 14 | 53.44 | 7.99 | |
| SKSac | 22 | 56.66 | 6.49 | PKiKP | 17 | 34.02 | 1.61 | PKiKP | 17 | 10.08 | 1.61 | PKiKP | 16 | 38.33 | 1.61 | |
| S | 22 | 57.47 | 10.05 | pPKiKP | 18 | 01.54 | 1.60 | pPKiKP | 18 | 25.49 | 1.60 | pPKiKP | 18 | 57.25 | 1.59 | |
| SKKSac | 23 | 01.69 | 7.53 | sPKiKP | 18 | 11.90 | 1.60 | sPKiKP | 18 | 55.77 | 1.60 | SKiKP | 19 | 16.30 | 1.66 | |
| ScS | 23 | 10.00 | 8.23 | SKiKP | 20 | 59.00 | 1.66 | SKiKP | 20 | 15.14 | 1.66 | sPKiKP | 19 | 54.62 | 1.60 | |
| PnS | 23 | 48.65 | 12.23 | SKSac | 22 | 33.23 | 6.46 | SKSac | 21 | 50.91 | 6.40 | SKSac | 20 | 54.84 | 6.29 | |
| SPn | 23 | 48.65 | 12.23 | S | 22 | 35.11 | 10.00 | S | 21 | 55.21 | 9.89 | SKKSac | 21 | 02.00 | 7.51 | |
| SS | 28 | 25.38 | 14.78 | SKKSac | 22 | 38.52 | 7.52 | SKKSac | 21 | 56.83 | 7.52 | S | 21 | 03.52 | 9.69 | |
| PKKPdf | 30 | 38.25 | -1.67 | ScS | 22 | 47.03 | 8.23 | ScS | 22 | 05.81 | 8.24 | ScS | 21 | 11.88 | 8.26 | |
| PKKPbc | 30 | 46.76 | -2.33 | pS | 23 | 07.71 | 10.15 | SPn | 22 | 49.49 | 12.11 | SPn | 22 | 01.98 | 11.95 | |
| SKKPdf | 34 | 13.65 | -1.62 | pSKSac | 23 | 09.14 | 6.54 | pS | 23 | 22.34 | 10.49 | pSKSac | 23 | 55.10 | 6.99 | |
| PKKSdf | 34 | 13.65 | -1.62 | sS | 23 | 19.81 | 10.09 | pSKSac | 23 | 29.91 | 6.68 | sS | 24 | 50.36 | 10.43 | |
| SKKPbc | 34 | 25.30 | -2.19 | sSKSac | 23 | 20.08 | 6.52 | PnS | 23 | 31.44 | 11.81 | sSKSac | 24 | 58.12 | 6.71 | |
| PKKSbc | 34 | 25.30 | -2.19 | SPn | 23 | 27.22 | 12.20 | sS | 23 | 59.54 | 10.20 | SS | 26 | 50.04 | 14.53 | |
| SKKSdf | 37 | 48.82 | -1.56 | PnS | 23 | 40.70 | 12.12 | sSKSac | 24 | 02.34 | 6.58 | PKKPdf | 29 | 28.84 | -1.66 | |
| SKKSac | 38 | 03.14 | -2.08 | SS | 28 | 05.34 | 14.75 | SS | 27 | 30.91 | 14.68 | PKKPbc | 29 | 37.95 | -2.30 | |
| P'P'df | 38 | 53.31 | -1.84 | PKKPdf | 30 | 24.50 | -1.67 | PKKPdf | 30 | 00.57 | -1.67 | SKKPdf | 32 | 06.82 | -1.61 | |
| S'S'df | 53 | 17.10 | -1.68 | PKKPbc | 30 | 33.08 | -2.32 | PKKPbc | 30 | 09.34 | -2.31 | SKKPbc | 32 | 18.75 | -2.18 | |
| S'S'ac | 53 | 25.10 | -2.34 | SKKPdf | 33 | 49.54 | -1.62 | SKKPdf | 33 | 05.67 | -1.62 | PKKSdf | 33 | 04.20 | -1.61 | |
| | | | | PKKSdf | 33 | 59.90 | -1.62 | SKKPbc | 33 | 17.44 | -2.18 | PKKSbc | 33 | 16.36 | -2.17 | |
| | | | | SKKPbc | 34 | 01.22 | -2.19 | PKKSdf | 33 | 35.95 | -1.62 | SKKSdf | 35 | 41.96 | -1.56 | |
| | | | | PKKSbc | 34 | 11.61 | -2.19 | PKKSbc | 33 | 47.83 | -2.18 | SKKSac | 35 | 56.53 | -2.07 | |
| | | | | SKKSdf | 37 | 24.70 | -1.56 | SKKSdf | 36 | 40.83 | -1.56 | P'P'df | 37 | 44.04 | -1.84 | |
| | | | | SKKSac | 37 | 39.06 | -2.08 | SKKSac | 36 | 55.25 | -2.08 | S'S'df | 51 | 10.30 | -1.68 | |
| | | | | P'P'df | 38 | 39.58 | -1.84 | P'P'df | 38 | 15.69 | -1.84 | S'S'ac | 51 | 18.62 | -2.32 | |
| | | | | S'S'df | 52 | 52.99 | -1.68 | S'S'df | 52 | 09.13 | -1.68 | | | | | |
| | | | | S'S'ac | 53 | 01.03 | -2.34 | S'S'ac | 52 | 17.27 | -2.33 | | | | | |

ak135

- 44 -

Delta : 86.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 12 | 42.26 | 4.95 | P | 12 | 29.19 | 4.93 | P | 12 | 06.84 | 4.87 | P | 11 | 37.92 | 4.72 |
| PcP | 12 | 44.97 | 4.41 | PcP | 12 | 31.74 | 4.41 | PcP | 12 | 09.04 | 4.41 | PcP | 11 | 39.63 | 4.42 |
| PP | 16 | 02.08 | 8.10 | pP | 12 | 55.33 | 4.97 | pP | 13 | 17.60 | 5.03 | pP | 13 | 46.07 | 5.16 |
| PKiKP | 17 | 51.02 | 1.63 | sP | 13 | 06.00 | 4.96 | sP | 13 | 48.99 | 4.99 | sP | 14 | 46.19 | 5.05 |
| SKiKP | 21 | 26.46 | 1.68 | PP | 15 | 50.41 | 8.08 | PP | 15 | 31.49 | 8.03 | PP | 15 | 09.36 | 7.92 |
| SKSac | 23 | 09.40 | 6.25 | PKiKP | 17 | 37.26 | 1.63 | PKiKP | 17 | 13.32 | 1.63 | PKiKP | 16 | 41.58 | 1.64 |
| SKKSac | 23 | 16.73 | 7.51 | pPKiKP | 18 | 04.77 | 1.63 | pPKiKP | 18 | 28.71 | 1.63 | pPKiKP | 19 | 00.46 | 1.62 |
| S | 23 | 17.31 | 9.79 | sPKiKP | 18 | 15.13 | 1.63 | sPKiKP | 18 | 59.00 | 1.63 | SKiKP | 19 | 19.66 | 1.69 |
| ScS | 23 | 26.48 | 8.25 | SKiKP | 21 | 02.35 | 1.68 | SKiKP | 20 | 18.49 | 1.69 | sPKiKP | 19 | 57.85 | 1.62 |
| PnS | 24 | 12.96 | 12.08 | SKSac | 22 | 45.92 | 6.23 | SKSac | 22 | 03.48 | 6.17 | SKSac | 21 | 07.19 | 6.07 |
| SPn | 24 | 12.96 | 12.08 | SKKSac | 22 | 53.56 | 7.51 | SKKSac | 22 | 11.86 | 7.51 | SKKSac | 21 | 17.01 | 7.50 |
| SS | 28 | 54.85 | 14.69 | S | 22 | 54.86 | 9.75 | S | 22 | 14.74 | 9.64 | S | 21 | 22.65 | 9.44 |
| PKKPdf | 30 | 34.88 | -1.70 | ScS | 23 | 03.52 | 8.26 | ScS | 22 | 22.31 | 8.27 | ScS | 21 | 28.42 | 8.28 |
| PKKPbc | 30 | 42.05 | -2.38 | pSKSac | 23 | 21.98 | 6.30 | SPn | 23 | 13.56 | 11.96 | SPn | 22 | 25.73 | 11.80 |
| SKKPdf | 34 | 10.39 | -1.65 | pS | 23 | 27.76 | 9.90 | pSKSac | 23 | 43.01 | 6.43 | SP | 22 | 26.40 | 11.12 |
| PKKSdf | 34 | 10.39 | -1.65 | sSKSac | 23 | 32.87 | 6.28 | pS | 23 | 43.03 | 10.20 | pSKSac | 24 | 08.80 | 6.71 |
| SKKPbc | 34 | 20.89 | -2.23 | sS | 23 | 39.75 | 9.84 | PS | 23 | 54.82 | 11.11 | sS | 25 | 10.96 | 10.16 |
| PKKSbc | 34 | 20.89 | -2.23 | SPn | 23 | 51.46 | 12.04 | PnS | 23 | 54.93 | 11.68 | sSKSac | 25 | 11.28 | 6.46 |
| SKKSdf | 37 | 45.67 | -1.59 | PnS | 24 | 04.80 | 11.97 | sSKSac | 24 | 15.26 | 6.34 | SS | 27 | 19.01 | 14.44 |
| SKKSac | 37 | 58.94 | -2.12 | SS | 28 | 34.75 | 14.66 | sS | 24 | 19.69 | 9.95 | PKKPdf | 29 | 25.49 | -1.69 |
| P'P'df | 38 | 49.62 | -1.85 | PKKPdf | 30 | 21.13 | -1.70 | SS | 28 | 00.17 | 14.59 | PKKPbc | 29 | 33.31 | -2.35 |
| S'S'df | 53 | 13.71 | -1.71 | PKKPbc | 30 | 28.39 | -2.37 | PKKPdf | 29 | 57.21 | -1.69 | SKKPdf | 32 | 03.56 | -1.64 |
| S'S'ac | 53 | 20.37 | -2.39 | SKKPdf | 33 | 46.27 | -1.65 | PKKPbc | 30 | 04.66 | -2.36 | SKKPbc | 32 | 14.35 | -2.22 |
| | | | | PKKSdf | 33 | 56.63 | -1.64 | SKKPdf | 33 | 02.41 | -1.64 | PKKSdf | 33 | 00.95 | -1.64 |
| | | | | SKKPbc | 33 | 56.81 | -2.23 | SKKPbc | 33 | 13.03 | -2.22 | PKKSbc | 33 | 11.98 | -2.21 |
| | | | | PKKSbc | 34 | 07.20 | -2.23 | PKKSdf | 33 | 32.70 | -1.64 | SKKSdf | 35 | 38.82 | -1.58 |
| | | | | SKKSdf | 37 | 21.55 | -1.59 | PKKSbc | 33 | 43.43 | -2.22 | SKKSac | 35 | 52.34 | -2.11 |
| | | | | SKKSac | 37 | 34.85 | -2.12 | SKKSdf | 36 | 37.68 | -1.59 | P'P'df | 37 | 40.36 | -1.85 |
| | | | | P'P'df | 38 | 35.89 | -1.85 | SKKSac | 36 | 51.06 | -2.12 | S'S'df | 51 | 06.92 | -1.70 |
| | | | | S'S'df | 52 | 49.60 | -1.71 | P'P'df | 38 | 12.01 | -1.85 | S'S'ac | 51 | 13.93 | -2.37 |
| | | | | S'S'ac | 52 | 56.31 | -2.38 | S'S'df | 52 | 05.75 | -1.70 | | | | |
| | | | | | | | | S'S'ac | 52 | 12.56 | -2.38 | | | | |

ak135

- 45 -

Delta : 88.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 12 | 51.99 | 4.75 | P | 12 | 38.85 | 4.73 | P | 12 | 16.37 | 4.70 | P | 11 | 47.30 | 4.66 |
| PcP | 12 | 53.80 | 4.42 | PcP | 12 | 40.57 | 4.42 | PcP | 12 | 17.88 | 4.42 | PcP | 11 | 48.48 | 4.43 |
| PP | 16 | 18.21 | 8.03 | pP | 13 | 05.12 | 4.79 | pP | 13 | 27.51 | 4.88 | pP | 13 | 56.22 | 4.99 |
| PKiKP | 17 | 54.30 | 1.66 | sP | 13 | 15.76 | 4.76 | sP | 13 | 58.82 | 4.83 | sP | 14 | 56.13 | 4.90 |
| SKiKP | 21 | 29.85 | 1.71 | PP | 16 | 06.50 | 8.01 | PP | 15 | 47.47 | 7.96 | PP | 15 | 25.13 | 7.85 |
| SKSac | 23 | 21.67 | 6.03 | PKiKP | 17 | 40.55 | 1.66 | PKiKP | 17 | 16.62 | 1.66 | PKiKP | 16 | 44.88 | 1.67 |
| SKKSac | 23 | 31.74 | 7.50 | pPKiKP | 18 | 08.06 | 1.65 | pPKiKP | 18 | 31.99 | 1.65 | pPKiKP | 19 | 03.73 | 1.65 |
| S | 23 | 36.64 | 9.53 | sPKiKP | 18 | 18.42 | 1.65 | sPKiKP | 19 | 02.28 | 1.65 | SKiKP | 19 | 23.06 | 1.71 |
| ScS | 23 | 43.01 | 8.28 | SKiKP | 21 | 05.74 | 1.71 | SKiKP | 20 | 21.89 | 1.71 | sPKiKP | 20 | 01.12 | 1.65 |
| PnS | 24 | 36.97 | 11.92 | SKSac | 22 | 58.15 | 6.01 | SKSac | 22 | 15.60 | 5.96 | SKSac | 21 | 19.12 | 5.87 |
| SPn | 24 | 36.97 | 11.92 | SKKSac | 23 | 08.56 | 7.49 | SKKSac | 22 | 26.85 | 7.49 | SKKSac | 21 | 31.98 | 7.48 |
| SS | 29 | 24.12 | 14.59 | S | 23 | 14.10 | 9.49 | S | 22 | 33.77 | 9.38 | S | 21 | 41.28 | 9.18 |
| PKKPdf | 30 | 31.47 | -1.72 | ScS | 23 | 20.06 | 8.28 | ScS | 22 | 38.87 | 8.29 | ScS | 21 | 45.00 | 8.30 |
| PKKPbc | 30 | 37.25 | -2.43 | pSKSac | 23 | 34.35 | 6.07 | SPn | 23 | 37.32 | 11.81 | SP | 22 | 48.62 | 11.10 |
| SKKPdf | 34 | 07.07 | -1.67 | sSKSac | 23 | 45.20 | 6.05 | SP | 23 | 38.00 | 11.12 | SPn | 22 | 49.18 | 11.65 |
| PKKSdf | 34 | 07.07 | -1.67 | pS | 23 | 47.30 | 9.64 | pSKSac | 23 | 55.63 | 6.18 | pSKSac | 24 | 21.95 | 6.44 |
| SKKPbc | 34 | 16.39 | -2.27 | sS | 23 | 59.17 | 9.58 | pS | 24 | 03.16 | 9.93 | sSKSac | 25 | 23.95 | 6.21 |
| PKKSbc | 34 | 16.39 | -2.27 | SPn | 24 | 15.39 | 11.89 | PS | 24 | 17.02 | 11.08 | sS | 25 | 31.02 | 9.90 |
| SKKSdf | 37 | 42.46 | -1.62 | PnS | 24 | 28.60 | 11.83 | PnS | 24 | 18.16 | 11.54 | SS | 27 | 47.79 | 14.34 |
| SKKSac | 37 | 54.66 | -2.15 | SS | 29 | 03.97 | 14.56 | sSKSac | 24 | 27.70 | 6.10 | PKKPdf | 29 | 22.09 | -1.71 |
| P'P'df | 38 | 45.91 | -1.86 | PKKPdf | 30 | 17.72 | -1.72 | sS | 24 | 39.34 | 9.69 | PKKPbc | 29 | 28.56 | -2.40 |
| S'S'df | 53 | 10.28 | -1.73 | PKKPbc | 30 | 23.59 | -2.43 | SS | 28 | 29.25 | 14.49 | SKKPdf | 32 | 00.26 | -1.66 |
| S'S'ac | 53 | 15.55 | -2.44 | SKKPdf | 33 | 42.96 | -1.67 | PKKPdf | 29 | 53.80 | -1.71 | SKKPbc | 32 | 09.88 | -2.26 |
| | | | | SKKPbc | 33 | 52.32 | -2.27 | PKKPbc | 29 | 59.88 | -2.42 | PKKSdf | 32 | 57.66 | -1.66 |
| | | | | PKKSdf | 33 | 53.32 | -1.67 | SKKPdf | 32 | 59.10 | -1.67 | PKKSbc | 33 | 07.53 | -2.25 |
| | | | | PKKSbc | 34 | 02.71 | -2.27 | SKKPbc | 33 | 08.55 | -2.27 | SKKSdf | 35 | 35.63 | -1.61 |
| | | | | SKKSdf | 37 | 18.35 | -1.62 | PKKSdf | 33 | 29.39 | -1.67 | SKKSac | 35 | 48.09 | -2.15 |
| | | | | SKKSac | 37 | 30.58 | -2.15 | PKKSbc | 33 | 38.95 | -2.26 | P'P'df | 37 | 36.66 | -1.86 |
| | | | | P'P'df | 38 | 32.18 | -1.86 | SKKSdf | 36 | 34.48 | -1.62 | S'S'df | 51 | 03.49 | -1.72 |
| | | | | S'S'df | 52 | 46.17 | -1.73 | SKKSac | 36 | 46.79 | -2.15 | S'S'ac | 51 | 09.14 | -2.42 |
| | | | | S'S'ac | 52 | 51.49 | -2.44 | P'P'df | 38 | 08.30 | -1.86 | | | | |
| | | | | | | | | S'S'df | 52 | 02.32 | -1.73 | | | | |
| | | | | | | | | S'S'ac | 52 | 07.75 | -2.43 | | | | |

ak135

- 46 -

Delta : 90.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 13 | 01.40 | 4.67 | P | 12 | 48.24 | 4.66 | P | 12 | 25.71 | 4.64 | P | 11 | 56.58 | 4.62 |
| PcP | 13 | 02.64 | 4.43 | PcP | 12 | 49.41 | 4.43 | PcP | 12 | 26.73 | 4.43 | PcP | 11 | 57.34 | 4.44 |
| PP | 16 | 34.20 | 7.96 | pP | 13 | 14.56 | 4.68 | pP | 13 | 37.06 | 4.70 | pP | 14 | 06.04 | 4.82 |
| PKiKP | 17 | 57.64 | 1.68 | sP | 13 | 25.18 | 4.67 | sP | 14 | 08.28 | 4.68 | sP | 15 | 05.72 | 4.71 |
| SKiKP | 21 | 33.29 | 1.73 | PP | 16 | 22.45 | 7.94 | PP | 16 | 03.32 | 7.89 | PP | 15 | 40.77 | 7.78 |
| SKSac | 23 | 33.52 | 5.82 | PKiKP | 17 | 43.89 | 1.68 | PKiKP | 17 | 20.00 | 1.68 | PKiKP | 16 | 48.24 | 1.69 |
| SKKSac | 23 | 46.71 | 7.48 | pPKiKP | 18 | 11.39 | 1.68 | pPKiKP | 18 | 35.32 | 1.68 | pPKiKP | 19 | 07.04 | 1.67 |
| S | 23 | 55.44 | 9.27 | sPKiKP | 18 | 21.75 | 1.68 | sPKiKP | 19 | 05.61 | 1.68 | sPKiKP | 19 | 26.51 | 1.74 |
| ScS | 23 | 59.59 | 8.30 | SKiKP | 21 | 09.18 | 1.73 | SKiKP | 20 | 25.33 | 1.73 | sPKiKP | 20 | 04.45 | 1.67 |
| SPn | 25 | 00.66 | 11.77 | SKSac | 23 | 09.95 | 5.80 | SKSac | 22 | 27.31 | 5.76 | SKSac | 21 | 30.66 | 5.67 |
| PnS | 25 | 00.66 | 11.77 | SKKSac | 23 | 23.53 | 7.47 | SKKSac | 22 | 41.81 | 7.47 | SKKSac | 21 | 46.90 | 7.45 |
| PS | 25 | 00.98 | 11.11 | S | 23 | 32.80 | 9.22 | S | 22 | 52.26 | 9.12 | S | 21 | 59.39 | 8.93 |
| SP | 25 | 00.98 | 11.11 | ScS | 23 | 36.65 | 8.30 | ScS | 22 | 55.47 | 8.31 | ScS | 22 | 01.62 | 8.32 |
| SS | 29 | 53.20 | 14.49 | pSKSac | 23 | 46.28 | 5.86 | SP | 24 | 00.22 | 11.10 | SP | 23 | 10.77 | 11.05 |
| PKKPdf | 30 | 28.01 | -1.74 | sSKSac | 23 | 57.09 | 5.84 | SPn | 24 | 00.79 | 11.66 | pSKSac | 24 | 34.57 | 6.18 |
| PKKPbc | 30 | 32.33 | -2.49 | pS | 24 | 06.30 | 9.37 | pSKSac | 24 | 07.77 | 5.96 | sSKSac | 25 | 36.14 | 5.99 |
| PKKSdf | 34 | 03.71 | -1.69 | sS | 24 | 18.07 | 9.31 | pS | 24 | 22.74 | 9.65 | sS | 25 | 50.56 | 9.63 |
| SKKPdf | 34 | 03.71 | -1.69 | SPn | 24 | 39.02 | 11.74 | PS | 24 | 39.13 | 11.03 | SS | 28 | 16.36 | 14.23 |
| SKKPbc | 34 | 11.80 | -2.32 | SP | 24 | 39.05 | 11.11 | sSKSac | 24 | 39.69 | 5.89 | PKKPdf | 29 | 18.65 | -1.73 |
| PKKSbc | 34 | 11.80 | -2.32 | PS | 24 | 51.71 | 11.10 | sS | 24 | 58.45 | 9.42 | PKKPbc | 29 | 23.71 | -2.45 |
| SKKSdf | 37 | 39.20 | -1.64 | PnS | 24 | 52.10 | 11.68 | SS | 28 | 58.12 | 14.38 | SKKPdf | 31 | 56.91 | -1.69 |
| SKKSac | 37 | 50.32 | -2.19 | SS | 29 | 32.99 | 14.46 | PKKPdf | 29 | 50.35 | -1.73 | SKKPbc | 32 | 05.32 | -2.30 |
| P'P'df | 38 | 42.18 | -1.87 | PKKPdf | 30 | 14.27 | -1.74 | PKKPbc | 29 | 54.99 | -2.47 | PKKSdf | 32 | 54.31 | -1.68 |
| S'S'df | 53 | 06.81 | -1.75 | PKKPbc | 30 | 18.68 | -2.49 | SKKPdf | 32 | 55.74 | -1.69 | PKKSbc | 33 | 02.99 | -2.29 |
| S'S'ac | 53 | 10.61 | -2.50 | SKKPdf | 33 | 39.60 | -1.69 | SKKPbc | 33 | 03.97 | -2.31 | SKKSdf | 35 | 32.37 | -1.64 |
| | | | | SKKPbc | 33 | 47.73 | -2.31 | PKKSdf | 33 | 26.03 | -1.69 | SKKSac | 35 | 43.76 | -2.18 |
| | | | | PKKSdf | 33 | 49.96 | -1.69 | PKKSbc | 33 | 34.38 | -2.30 | P'P'df | 37 | 32.94 | -1.86 |
| | | | | PKKSbc | 33 | 58.13 | -2.31 | SKKSdf | 36 | 31.22 | -1.64 | S'S'df | 51 | 00.03 | -1.74 |
| | | | | SKKSdf | 37 | 15.08 | -1.64 | SKKSac | 36 | 42.46 | -2.18 | S'S'ac | 51 | 04.24 | -2.48 |
| | | | | SKKSac | 37 | 26.24 | -2.19 | P'P'df | 38 | 04.57 | -1.87 | | | | |
| | | | | P'P'df | 38 | 28.45 | -1.87 | S'S'df | 51 | 58.85 | -1.74 | | | | |
| | | | | S'S'df | 52 | 42.70 | -1.75 | S'S'ac | 52 | 02.83 | -2.49 | | | | |
| | | | | S'S'ac | 52 | 46.56 | -2.49 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|----------------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| Delta : | 92.0 | | | | | | | | | | | | | | |
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 13 | 10.69 | 4.63 | P | 12 | 57.52 | 4.62 | P | 12 | 34.96 | 4.61 | P | 12 | 05.79 | 4.59 |
| PcP | 13 | 11.51 | 4.43 | PcP | 12 | 58.28 | 4.44 | PcP | 12 | 35.60 | 4.44 | PcP | 12 | 06.22 | 4.44 |
| PP | 16 | 50.05 | 7.89 | pP | 13 | 23.86 | 4.63 | pP | 13 | 46.40 | 4.64 | pP | 14 | 15.49 | 4.68 |
| PKiKP | 18 | 01.02 | 1.70 | sP | 13 | 34.48 | 4.63 | sP | 14 | 17.60 | 4.63 | sP | 15 | 15.07 | 4.65 |
| SKiKP | 21 | 36.78 | 1.75 | PP | 16 | 38.26 | 7.87 | PP | 16 | 19.03 | 7.82 | PP | 15 | 56.27 | 7.71 |
| SKSac | 23 | 44.97 | 5.63 | PKiKP | 17 | 47.27 | 1.70 | PKiKP | 17 | 23.35 | 1.71 | PKiKP | 16 | 51.64 | 1.71 |
| SKKSac | 24 | 01.64 | 7.45 | pPKiKP | 18 | 14.77 | 1.70 | pPKiKP | 18 | 38.69 | 1.70 | pPKiKP | 19 | 10.41 | 1.69 |
| S | 24 | 13.71 | 9.00 | sPKiKP | 18 | 25.13 | 1.70 | sPKiKP | 19 | 08.99 | 1.70 | SKiKP | 19 | 30.01 | 1.76 |
| ScS | 24 | 16.20 | 8.31 | SKiKP | 21 | 12.67 | 1.76 | SKiKP | 20 | 28.82 | 1.76 | sPKiKP | 20 | 07.82 | 1.70 |
| PS | 25 | 23.18 | 11.09 | SKSac | 23 | 21.36 | 5.61 | SKSac | 22 | 38.63 | 5.56 | SKSac | 21 | 41.82 | 5.49 |
| SP | 25 | 23.18 | 11.09 | SKKSac | 23 | 38.45 | 7.44 | SKKSac | 22 | 56.70 | 7.42 | SKKSac | 22 | 01.73 | 7.38 |
| SPn | 25 | 24.05 | 11.62 | S | 23 | 50.98 | 8.95 | S | 23 | 10.23 | 8.85 | S | 22 | 17.01 | 8.73 |
| PnS | 25 | 24.05 | 11.62 | ScS | 23 | 53.26 | 8.32 | ScS | 23 | 12.10 | 8.32 | ScS | 22 | 18.26 | 8.33 |
| SS | 30 | 22.08 | 14.39 | pSKSac | 23 | 57.80 | 5.66 | pSKSac | 24 | 19.48 | 5.75 | SP | 23 | 32.81 | 10.98 |
| PKKPdf | 30 | 24.52 | -1.76 | sSKSac | 24 | 08.58 | 5.65 | SP | 24 | 22.37 | 11.05 | pSKSac | 24 | 46.69 | 5.95 |
| PKKPbc | 30 | 27.28 | -2.55 | pS | 24 | 24.76 | 9.09 | pS | 24 | 41.74 | 9.36 | sSKSac | 25 | 47.90 | 5.78 |
| PKKSdf | 34 | 00.30 | -1.71 | sS | 24 | 36.42 | 9.04 | sSKSac | 24 | 51.27 | 5.69 | ss | 26 | 09.56 | 9.36 |
| SKKPdf | 34 | 00.30 | -1.71 | SP | 25 | 01.24 | 11.08 | PS | 25 | 01.11 | 10.95 | SS | 28 | 44.72 | 14.13 |
| PKKSbc | 34 | 07.12 | -2.36 | SPn | 25 | 02.34 | 11.58 | sS | 25 | 17.02 | 9.15 | PKKPdf | 29 | 15.17 | -1.75 |
| SKKPbc | 34 | 07.12 | -2.36 | PS | 25 | 13.87 | 11.06 | SS | 29 | 26.78 | 14.28 | PKKPbc | 29 | 18.74 | -2.52 |
| SKKSdf | 37 | 35.89 | -1.67 | SS | 30 | 01.80 | 14.36 | PKKPdf | 29 | 46.87 | -1.75 | SKKPdf | 31 | 53.51 | -1.71 |
| SKKSac | 37 | 45.90 | -2.23 | PKKPdf | 30 | 10.77 | -1.76 | PKKPbc | 29 | 50.00 | -2.54 | SKKPbc | 32 | 00.67 | -2.35 |
| P'P'df | 38 | 38.44 | -1.88 | PKKPbc | 30 | 13.65 | -2.55 | SKKPdf | 32 | 52.34 | -1.71 | PKKSdf | 32 | 50.92 | -1.70 |
| S'S'df | 53 | 03.29 | -1.76 | SKKPdf | 33 | 36.19 | -1.71 | SKKPbc | 32 | 59.31 | -2.35 | PKKSbc | 32 | 58.36 | -2.34 |
| S'S'ac | 53 | 05.56 | -2.56 | SKKPbc | 33 | 43.06 | -2.36 | PKKSdf | 33 | 22.64 | -1.71 | SKKSdf | 35 | 29.07 | -1.66 |
| | | | | PKKSdf | 33 | 46.56 | -1.71 | PKKSbc | 33 | 29.73 | -2.35 | SKKSac | 35 | 39.37 | -2.22 |
| | | | | PKKSbc | 33 | 53.46 | -2.36 | SKKSdf | 36 | 27.91 | -1.66 | P'P'df | 37 | 29.20 | -1.87 |
| | | | | SKKSdf | 37 | 11.78 | -1.67 | SKKSac | 36 | 38.05 | -2.22 | S'S'df | 50 | 56.52 | -1.76 |
| | | | | SKKSac | 37 | 21.83 | -2.22 | P'P'df | 38 | 00.83 | -1.87 | S'S'ac | 50 | 59.22 | -2.54 |
| | | | | P'P'df | 38 | 24.71 | -1.88 | S'S'df | 51 | 55.34 | -1.76 | | | | |
| | | | | S'S'df | 52 | 39.19 | -1.76 | S'S'ac | 51 | 57.79 | -2.55 | | | | |
| | | | | S'S'ac | 52 | 41.51 | -2.55 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|----------------|------|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| Delta : | 94.0 | | | | | | | | | | | | | | |
| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 13 | 19.91 | 4.60 | P | 13 | 06.73 | 4.59 | P | 12 | 44.15 | 4.58 | P | 12 | 14.93 | 4.54 |
| PcP | 13 | 20.38 | 4.44 | PcP | 13 | 07.15 | 4.44 | PcP | 12 | 44.48 | 4.44 | PcP | 12 | 15.10 | 4.44 |
| PP | 17 | 05.76 | 7.82 | pP | 13 | 33.09 | 4.60 | pP | 13 | 55.65 | 4.61 | pP | 14 | 24.80 | 4.63 |
| PKiKP | 18 | 04.45 | 1.73 | sP | 13 | 43.71 | 4.60 | sP | 14 | 26.84 | 4.60 | sP | 15 | 24.33 | 4.61 |
| SKiKP | 21 | 40.31 | 1.78 | PP | 16 | 53.92 | 7.80 | PP | 16 | 34.59 | 7.75 | PP | 16 | 11.63 | 7.64 |
| SKSac | 23 | 56.03 | 5.44 | PKiKP | 17 | 50.71 | 1.73 | PKiKP | 17 | 26.79 | 1.73 | PKiKP | 16 | 55.09 | 1.74 |
| SKKSac | 24 | 16.47 | 7.38 | pPKiKP | 18 | 18.20 | 1.73 | pPKiKP | 18 | 42.11 | 1.72 | pPKiKP | 19 | 13.82 | 1.72 |
| S | 24 | 31.43 | 8.75 | sPKiKP | 18 | 28.56 | 1.73 | sPKiKP | 19 | 12.42 | 1.72 | SKiKP | 19 | 33.55 | 1.78 |
| ScS | 24 | 32.84 | 8.33 | SKiKP | 21 | 16.21 | 1.78 | SKiKP | 20 | 32.36 | 1.78 | sPKiKP | 20 | 11.24 | 1.72 |
| PS | 25 | 45.30 | 11.03 | SKSac | 23 | 32.38 | 5.42 | SKSac | 22 | 49.57 | 5.38 | SKSac | 21 | 52.62 | 5.31 |
| SP | 25 | 45.30 | 11.03 | SKKSac | 23 | 53.26 | 7.37 | SKKSac | 23 | 11.47 | 7.35 | SKKSac | 22 | 16.43 | 7.32 |
| PKKPdf | 30 | 20.99 | -1.77 | S | 24 | 08.63 | 8.73 | S | 23 | 27.74 | 8.70 | S | 22 | 34.37 | 8.63 |
| PKKPbc | 30 | 22.11 | -2.62 | pSKSac | 24 | 08.93 | 5.47 | ScS | 23 | 28.75 | 8.33 | ScS | 22 | 34.92 | 8.34 |
| SS | 30 | 50.74 | 14.28 | ScS | 24 | 09.91 | 8.33 | pSKSac | 24 | 30.78 | 5.55 | SP | 23 | 54.68 | 10.89 |
| SKKPdf | 33 | 56.86 | -1.73 | sSKSac | 24 | 19.68 | 5.46 | SP | 24 | 44.39 | 10.97 | pSKSac | 24 | 58.36 | 5.73 |
| PKKSdf | 33 | 56.86 | -1.73 | pS | 24 | 42.67 | 8.81 | pS | 25 | 00.17 | 9.07 | sSKSac | 25 | 59.25 | 5.58 |
| SKKPbc | 34 | 02.36 | -2.41 | sS | 24 | 54.23 | 8.78 | sSKSac | 25 | 02.46 | 5.50 | sS | 26 | 27.98 | 9.07 |
| PKKSbc | 34 | 02.36 | -2.41 | SP | 25 | 23.33 | 11.01 | PS | 25 | 22.92 | 10.86 | PKKPdf | 29 | 11.66 | -1.77 |
| SKKSdf | 37 | 32.53 | -1.69 | PS | 25 | 35.92 | 10.99 | sS | 25 | 35.04 | 8.87 | SS | 29 | 12.88 | 14.03 |
| SKKSac | 37 | 41.41 | -2.27 | PKKPdf | 30 | 07.25 | -1.77 | PKKPdf | 29 | 43.34 | -1.77 | PKKPbc | 29 | 13.64 | -2.58 |
| P'P'df | 38 | 34.68 | -1.88 | PKKPbc | 30 | 08.48 | -2.62 | PKKPbc | 29 | 44.84 | -2.60 | SKKPdf | 31 | 50.07 | -1.73 |
| S'S'df | 52 | 59.75 | -1.78 | SS | 30 | 30.40 | 14.25 | SS | 29 | 55.24 | 14.18 | SKKPbc | 31 | 55.93 | -2.39 |
| S'S'ac | 53 | 00.38 | -2.62 | SKKPdf | 33 | 32.75 | -1.73 | SKKPdf | 32 | 48.89 | -1.73 | PKKSdf | 32 | 47.49 | -1.73 |
| | | | | SKKPbc | 33 | 38.29 | -2.41 | SKKPbc | 32 | 54.55 | -2.40 | PKKSbc | 32 | 53.64 | -2.38 |
| | | | | PKKSdf | 33 | 43.11 | -1.73 | PKKSdf | 33 | 19.20 | -1.73 | SKKSdf | 35 | 25.73 | -1.68 |
| | | | | PKKSbc | 33 | 48.70 | -2.41 | PKKSbc | 33 | 24.98 | -2.40 | SKKSac | 35 | 34.90 | -2.25 |
| | | | | SKKSdf | 37 | 08.42 | -1.69 | SKKSdf | 36 | 24.56 | -1.69 | P'P'df | 37 | 25.45 | -1.88 |
| | | | | SKKSac | 37 | 17.34 | -2.26 | SKKSac | 36 | 33.57 | -2.26 | S'S'df | 50 | 52.99 | -1.78 |
| | | | | P'P'df | 38 | 20.95 | -1.88 | P'P'df | 37 | 57.07 | -1.88 | S'S'ac | 50 | 54.09 | -2.60 |
| | | | | S'S'df | 52 | 35.64 | -1.78 | S'S'df | 51 | 51.80 | -1.78 | | | | |
| | | | | S'S'ac | 52 | 36.34 | -2.62 | S'S'ac | 51 | 52.64 | -2.61 | | | | |

ak135

- 49 -

Delta : 96.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 13 | 29.06 | 4.55 | P | 13 | 15.87 | 4.54 | P | 12 | 53.26 | 4.53 | P | 12 | 23.96 | 4.49 |
| PcP | 13 | 29.26 | 4.44 | PcP | 13 | 16.04 | 4.44 | PcP | 12 | 53.37 | 4.44 | PcP | 12 | 23.99 | 4.45 |
| PP | 17 | 21.32 | 7.74 | pP | 13 | 42.25 | 4.56 | pP | 14 | 04.84 | 4.58 | pP | 14 | 34.03 | 4.60 |
| PKiKP | 18 | 07.93 | 1.75 | sP | 13 | 52.86 | 4.55 | sP | 14 | 36.01 | 4.56 | sP | 15 | 33.53 | 4.58 |
| SKiKP | 21 | 43.89 | 1.80 | PP | 17 | 09.44 | 7.72 | PP | 16 | 50.01 | 7.67 | PP | 16 | 26.84 | 7.57 |
| SKSac | 24 | 06.73 | 5.26 | PKiKP | 17 | 54.18 | 1.75 | PKiKP | 17 | 30.28 | 1.75 | PKiKP | 16 | 58.58 | 1.76 |
| SKKSac | 24 | 31.16 | 7.32 | pPKiKP | 18 | 21.67 | 1.75 | pPKiKP | 18 | 45.58 | 1.75 | pPKiKP | 19 | 17.28 | 1.74 |
| S | 24 | 48.83 | 8.65 | sPKiKP | 18 | 32.04 | 1.75 | sPKiKP | 19 | 15.89 | 1.75 | SKiKP | 19 | 37.13 | 1.80 |
| ScS | 24 | 49.50 | 8.33 | SKiKP | 21 | 19.78 | 1.80 | SKiKP | 20 | 35.94 | 1.80 | sPKiKP | 20 | 14.71 | 1.74 |
| PS | 26 | 07.28 | 10.95 | SKSac | 23 | 43.04 | 5.24 | SKSac | 23 | 00.16 | 5.20 | SKSac | 22 | 03.07 | 5.14 |
| SP | 26 | 07.28 | 10.95 | SKKSac | 24 | 07.94 | 7.31 | SKKSac | 23 | 26.11 | 7.29 | SKKSac | 22 | 31.01 | 7.26 |
| PKKPbc | 30 | 16.79 | -2.69 | pSKSac | 24 | 19.69 | 5.29 | S | 23 | 45.04 | 8.58 | S | 22 | 51.48 | 8.48 |
| PKKPdf | 30 | 17.43 | -1.79 | S | 24 | 26.00 | 8.63 | ScS | 23 | 45.41 | 8.34 | ScS | 22 | 51.60 | 8.34 |
| SS | 31 | 19.20 | 14.17 | ScS | 24 | 26.57 | 8.34 | pSKSac | 24 | 41.70 | 5.36 | SP | 24 | 16.36 | 10.79 |
| SKKPdf | 33 | 53.37 | -1.75 | sSKSac | 24 | 30.40 | 5.27 | SP | 25 | 06.26 | 10.88 | pSKSac | 25 | 09.61 | 5.52 |
| PKKSdf | 33 | 53.37 | -1.75 | pS | 25 | 00.15 | 8.68 | sSKSac | 25 | 13.26 | 5.31 | pS | 25 | 35.86 | 9.58 |
| SKKPbc | 33 | 57.49 | -2.46 | sS | 25 | 11.67 | 8.67 | pS | 25 | 18.01 | 8.78 | pS | 25 | 36.11 | 10.06 |
| PKKSbc | 33 | 57.49 | -2.46 | SP | 25 | 45.28 | 10.93 | PS | 25 | 44.53 | 10.75 | sSKSac | 26 | 10.21 | 5.39 |
| SKKSdf | 37 | 29.14 | -1.71 | PS | 25 | 57.82 | 10.90 | sS | 25 | 52.57 | 8.70 | sS | 26 | 45.84 | 8.79 |
| SKKSac | 37 | 36.84 | -2.31 | PKKPbc | 30 | 03.18 | -2.69 | PKKPbc | 29 | 39.57 | -2.67 | PKKPdf | 29 | 08.11 | -1.78 |
| P'P'df | 38 | 30.91 | -1.89 | PKKPdf | 30 | 03.69 | -1.79 | PKKPdf | 29 | 39.79 | -1.79 | PKKPbc | 29 | 08.42 | -2.65 |
| S'S'ac | 52 | 55.08 | -2.69 | SS | 30 | 58.80 | 14.14 | SS | 30 | 23.49 | 14.07 | SS | 29 | 40.82 | 13.92 |
| S'S'df | 52 | 56.17 | -1.80 | SKKPdf | 33 | 29.26 | -1.75 | SKKPdf | 32 | 45.41 | -1.75 | SKKPdf | 31 | 46.59 | -1.75 |
| | | | | SKKPbc | 33 | 33.43 | -2.46 | SKKPbc | 32 | 49.70 | -2.45 | SKKPbc | 31 | 51.09 | -2.44 |
| | | | | PKKSdf | 33 | 39.63 | -1.75 | PKKSdf | 33 | 15.72 | -1.75 | PKKSdf | 32 | 44.02 | -1.74 |
| | | | | PKKSbc | 33 | 43.83 | -2.46 | PKKSbc | 33 | 20.14 | -2.45 | PKKSbc | 32 | 48.83 | -2.43 |
| | | | | SKKSdf | 37 | 05.03 | -1.71 | SKKSdf | 36 | 21.17 | -1.71 | SKKSdf | 35 | 22.34 | -1.70 |
| | | | | SKKSac | 37 | 12.77 | -2.30 | SKKSac | 36 | 29.01 | -2.30 | SKKSac | 35 | 30.35 | -2.29 |
| | | | | P'P'df | 38 | 17.18 | -1.89 | P'P'df | 37 | 53.31 | -1.89 | P'P'df | 37 | 21.68 | -1.89 |
| | | | | S'S'ac | 52 | 31.04 | -2.68 | S'S'ac | 51 | 47.35 | -2.68 | S'S'ac | 50 | 48.83 | -2.66 |
| | | | | S'S'df | 52 | 32.07 | -1.80 | S'S'df | 51 | 48.22 | -1.79 | S'S'df | 50 | 49.42 | -1.79 |

ak135

- 50 -

Delta : 98.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| P | 13 | 38.11 | 4.50 | P | 13 | 24.90 | 4.49 | P | 13 | 02.25 | 4.47 | Pdiff | 12 | 32.88 | 4.45 |
| PcP | 13 | 38.15 | 4.45 | PcP | 13 | 24.93 | 4.45 | PcP | 13 | 02.26 | 4.45 | pP | 14 | 43.19 | 4.56 |
| PP | 17 | 36.73 | 7.67 | pP | 13 | 51.32 | 4.50 | pP | 14 | 13.94 | 4.52 | sP | 15 | 42.64 | 4.53 |
| PKiKP | 18 | 11.45 | 1.77 | sP | 14 | 01.92 | 4.50 | sP | 14 | 45.09 | 4.51 | PP | 16 | 41.92 | 7.50 |
| SKiKP | 21 | 47.50 | 1.82 | PP | 17 | 24.82 | 7.65 | PP | 17 | 05.29 | 7.60 | PKiKP | 17 | 02.12 | 1.78 |
| SKSac | 24 | 17.06 | 5.08 | PKiKP | 17 | 57.71 | 1.77 | PKiKP | 17 | 33.80 | 1.77 | pPKiKP | 19 | 20.78 | 1.76 |
| SKKSac | 24 | 45.74 | 7.26 | pPKiKP | 18 | 25.19 | 1.77 | pPKiKP | 18 | 49.09 | 1.77 | SKiKP | 19 | 40.76 | 1.82 |
| S | 25 | 06.00 | 8.51 | sPKiKP | 18 | 35.55 | 1.77 | sPKiKP | 19 | 19.40 | 1.77 | sPKiKP | 20 | 18.22 | 1.77 |
| ScS | 25 | 06.18 | 8.34 | SKiKP | 21 | 23.40 | 1.82 | SKiKP | 20 | 39.56 | 1.82 | SKSac | 22 | 13.18 | 4.97 |
| PS | 26 | 29.08 | 10.85 | SKSac | 23 | 53.35 | 5.07 | SKSac | 23 | 10.39 | 5.03 | SKKSac | 22 | 45.48 | 7.21 |
| SP | 26 | 29.08 | 10.85 | SKKSac | 24 | 22.50 | 7.25 | SKKSac | 23 | 40.64 | 7.24 | Sdiff | 23 | 08.28 | 8.34 |
| PKKPbc | 30 | 11.33 | -2.77 | pSKSac | 24 | 30.09 | 5.11 | S | 24 | 02.05 | 8.43 | SP | 24 | 37.82 | 10.67 |
| PKKPdf | 30 | 13.83 | -1.80 | sSKSac | 24 | 40.77 | 5.10 | ScS | 24 | 02.09 | 8.34 | pSKSac | 25 | 20.46 | 5.33 |
| SS | 31 | 47.44 | 14.07 | S | 24 | 43.12 | 8.48 | pSKSac | 24 | 52.24 | 5.18 | pS | 25 | 54.56 | 9.14 |
| SKKPdf | 33 | 49.85 | -1.77 | ScS | 24 | 43.25 | 8.34 | sSKSac | 25 | 23.71 | 5.13 | PS | 25 | 56.25 | 10.06 |
| PKKSdf | 33 | 49.85 | -1.77 | pS | 25 | 17.40 | 8.56 | SP | 25 | 27.92 | 10.78 | sSKSac | 26 | 20.80 | 5.20 |
| SKKPbc | 33 | 52.51 | -2.52 | sS | 25 | 28.88 | 8.53 | pS | 25 | 35.45 | 8.67 | sS | 27 | 03.29 | 8.67 |
| PKKSbc | 33 | 52.51 | -2.52 | SP | 26 | 07.04 | 10.83 | PS | 26 | 05.93 | 10.64 | PKKPbc | 29 | 03.05 | -2.72 |
| SKKSdf | 37 | 25.70 | -1.73 | PS | 26 | 19.52 | 10.80 | sS | 26 | 09.87 | 8.59 | PKKPdf | 29 | 04.53 | -1.80 |
| SKKSac | 37 | 32.19 | -2.35 | PKKPbc | 29 | 57.73 | -2.76 | PKKPbc | 29 | 34.15 | -2.75 | SS | 30 | 08.56 | 13.81 |
| P'P'df | 38 | 27.12 | -1.89 | PKKPdf | 30 | 00.09 | -1.80 | PKKPdf | 29 | 36.20 | -1.80 | SKKPdf | 31 | 43.08 | -1.76 |
| S'S'ac | 52 | 49.64 | -2.75 | SS | 31 | 26.98 | 14.04 | SS | 30 | 51.52 | 13.96 | SKKPbc | 31 | 46.15 | -2.50 |
| S'S'df | 52 | 52.57 | -1.81 | SKKPdf | 33 | 25.74 | -1.77 | SKKPdf | 32 | 41.90 | -1.77 | PKKSdf | 32 | 40.52 | -1.76 |
| | | | | SKKPbc | 33 | 28.46 | -2.51 | SKKPbc | 32 | 44.74 | -2.51 | PKKSbc | 32 | 43.92 | -2.48 |
| | | | | PKKSdf | 33 | 36.11 | -1.77 | PKKSdf | 33 | 12.20 | -1.77 | SKKSdf | 35 | 18.91 | -1.72 |
| | | | | PKKSbc | 33 | 38.87 | -2.51 | PKKSbc | 33 | 15.19 | -2.50 | SKKSac | 35 | 25.72 | -2.34 |
| | | | | SKKSdf | 37 | 01.59 | -1.73 | SKKSdf | 36 | 17.73 | -1.73 | P'P'df | 37 | 17.90 | -1.89 |
| | | | | SKKSac | 37 | 08.12 | -2.35 | SKKSac | 36 | 24.37 | -2.34 | S'S'ac | 50 | 43.43 | -2.73 |
| | | | | P'P'df | 38 | 13.40 | -1.89 | P'P'df | 37 | 49.52 | -1.89 | S'S'df | 50 | 45.82 | -1.81 |
| | | | | S'S'ac | 52 | 25.61 | -2.75 | S'S'ac | 51 | 41.93 | -2.74 | | | | |
| | | | | S'S'df | 52 | 28.46 | -1.81 | S'S'df | 51 | 44.62 | -1.81 | | | | |

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- 51 -

Delta : 100.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 13 | 47.04 | 4.45 | Pdiff | 13 | 33.82 | 4.45 | Pdiff | 13 | 11.15 | 4.45 | Pdiff | 12 | 41.77 | 4.45 |
| PP | 17 | 52.00 | 7.60 | pPdiff | 14 | 00.27 | 4.45 | pP | 14 | 22.93 | 4.46 | pP | 14 | 52.26 | 4.50 |
| PKiKP | 18 | 15.01 | 1.79 | sPdiff | 14 | 10.86 | 4.45 | sP | 14 | 54.05 | 4.45 | sP | 15 | 51.64 | 4.47 |
| SKiKP | 21 | 51.16 | 1.84 | PP | 17 | 40.04 | 7.58 | PP | 17 | 20.42 | 7.53 | PP | 16 | 56.86 | 7.43 |
| SKSac | 24 | 27.06 | 4.92 | PKiKP | 18 | 01.27 | 1.79 | PKiKP | 17 | 37.37 | 1.79 | PKiKP | 17 | 05.70 | 1.80 |
| SKKSac | 25 | 00.21 | 7.21 | pPKiKP | 18 | 28.75 | 1.79 | pPKiKP | 18 | 52.65 | 1.79 | pPKiKP | 19 | 24.32 | 1.78 |
| ScS | 25 | 22.86 | 8.34 | sPKiKP | 18 | 39.11 | 1.79 | sPKiKP | 19 | 22.96 | 1.79 | SKiKP | 19 | 44.43 | 1.84 |
| S | 25 | 22.86 | 8.34 | SKiKP | 21 | 27.06 | 1.84 | SKiKP | 20 | 43.22 | 1.84 | sPKiKP | 20 | 21.77 | 1.79 |
| PS | 26 | 50.68 | 10.74 | SKSac | 24 | 03.32 | 4.90 | SKSac | 23 | 20.29 | 4.87 | SKSac | 22 | 22.96 | 4.81 |
| SP | 26 | 50.68 | 10.74 | SKKSac | 24 | 36.96 | 7.20 | SKKSac | 23 | 55.07 | 7.19 | SKKSac | 22 | 59.84 | 7.15 |
| PKKPbc | 30 | 05.72 | -2.84 | pSKSac | 24 | 40.14 | 4.94 | Sdiff | 24 | 18.77 | 8.34 | Sdiff | 23 | 24.96 | 8.34 |
| PKKPdf | 30 | 10.21 | -1.82 | sSKSac | 24 | 50.80 | 4.93 | pSKSac | 25 | 02.43 | 5.01 | SP | 24 | 59.04 | 10.55 |
| SS | 32 | 15.47 | 13.96 | Sdiff | 24 | 59.93 | 8.34 | sSKSac | 25 | 33.80 | 4.96 | pSKSac | 25 | 30.93 | 5.14 |
| SKKPdf | 33 | 46.30 | -1.78 | pS | 25 | 34.36 | 8.40 | SP | 25 | 49.35 | 10.66 | pS | 26 | 12.46 | 8.78 |
| PKKSdf | 33 | 46.30 | -1.78 | sS | 25 | 45.78 | 8.37 | pS | 25 | 52.66 | 8.53 | PS | 26 | 16.33 | 10.01 |
| SKKPbc | 33 | 47.43 | -2.57 | SP | 26 | 28.59 | 10.71 | sS | 26 | 26.89 | 8.43 | sSKSac | 26 | 31.02 | 5.03 |
| PKKSbc | 33 | 47.43 | -2.57 | PS | 26 | 41.00 | 10.68 | PS | 26 | 27.09 | 10.52 | sS | 27 | 20.52 | 8.54 |
| SKKSdf | 37 | 22.22 | -1.75 | PKKPbc | 29 | 52.13 | -2.84 | PKKPbc | 29 | 28.58 | -2.82 | PKKPbc | 28 | 57.54 | -2.79 |
| SKKSac | 37 | 27.45 | -2.39 | PKKPdf | 29 | 56.48 | -1.82 | PKKPdf | 29 | 32.58 | -1.81 | PKKPdf | 29 | 00.92 | -1.81 |
| P'P'df | 38 | 23.33 | -1.90 | SS | 31 | 54.94 | 13.93 | SS | 31 | 19.34 | 13.86 | SS | 30 | 36.08 | 13.71 |
| S'S'ac | 52 | 44.07 | -2.82 | SKKPdf | 33 | 22.19 | -1.78 | SKKPdf | 32 | 38.35 | -1.78 | SKKPdf | 31 | 39.54 | -1.78 |
| S'S'df | 52 | 48.93 | -1.82 | SKKPbc | 33 | 23.38 | -2.57 | SKKPbc | 32 | 39.67 | -2.56 | SKKPbc | 31 | 41.10 | -2.55 |
| | | | | PKKSdf | 33 | 32.56 | -1.78 | PKKSdf | 33 | 08.66 | -1.78 | PKKSdf | 32 | 36.98 | -1.78 |
| | | | | PKKSbc | 33 | 33.79 | -2.57 | PKKSbc | 33 | 10.14 | -2.56 | PKKSbc | 32 | 38.90 | -2.54 |
| | | | | SKKSdf | 36 | 58.11 | -1.75 | SKKSdf | 36 | 14.26 | -1.74 | SKKSdf | 35 | 15.44 | -1.74 |
| | | | | SKKSac | 37 | 03.39 | -2.39 | SKKSac | 36 | 19.64 | -2.39 | SKKSac | 35 | 21.01 | -2.38 |
| | | | | P'P'df | 38 | 09.60 | -1.90 | P'P'df | 37 | 45.73 | -1.90 | P'P'df | 37 | 14.11 | -1.90 |
| | | | | S'S'ac | 52 | 20.04 | -2.82 | S'S'ac | 51 | 36.38 | -2.81 | S'S'ac | 50 | 37.91 | -2.80 |
| | | | | S'S'df | 52 | 24.83 | -1.82 | S'S'df | 51 | 40.99 | -1.82 | S'S'df | 50 | 42.19 | -1.82 |

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- 52 -

Delta : 102.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 13 | 55.93 | 4.45 | Pdiff | 13 | 42.71 | 4.45 | Pdiff | 13 | 20.04 | 4.45 | Pdiff | 12 | 50.66 | 4.45 |
| PP | 18 | 07.12 | 7.52 | pPdiff | 14 | 09.16 | 4.45 | pPdiff | 14 | 31.83 | 4.45 | pPdiff | 15 | 01.21 | 4.45 |
| PKiKP | 18 | 18.61 | 1.81 | sPdiff | 14 | 19.75 | 4.45 | sPdiff | 15 | 02.94 | 4.45 | sPdiff | 16 | 00.54 | 4.45 |
| SKiKP | 21 | 54.85 | 1.86 | PP | 17 | 55.13 | 7.51 | PP | 17 | 35.41 | 7.46 | PKiKP | 17 | 09.32 | 1.82 |
| SKSac | 24 | 36.73 | 4.75 | PKiKP | 18 | 04.87 | 1.81 | PKiKP | 17 | 40.98 | 1.81 | PP | 17 | 11.66 | 7.37 |
| SKKSac | 25 | 14.57 | 7.15 | pPKiKP | 18 | 32.35 | 1.81 | pPKiKP | 18 | 56.24 | 1.81 | pPKiKP | 19 | 27.91 | 1.80 |
| Sdiff | 25 | 39.54 | 8.34 | sPKiKP | 18 | 42.72 | 1.81 | sPKiKP | 19 | 26.56 | 1.81 | SKiKP | 19 | 48.13 | 1.86 |
| PS | 27 | 12.03 | 10.62 | SKiKP | 21 | 30.75 | 1.86 | SKiKP | 20 | 46.92 | 1.86 | sPKiKP | 20 | 25.36 | 1.81 |
| SP | 27 | 12.03 | 10.62 | SKSac | 24 | 12.96 | 4.74 | SKSac | 23 | 29.88 | 4.71 | SKSac | 22 | 32.44 | 4.66 |
| PKKPbc | 29 | 59.96 | -2.92 | pSKSac | 24 | 49.86 | 4.78 | SKKSac | 24 | 09.38 | 7.13 | SKKSac | 23 | 14.09 | 7.09 |
| PKKPdf | 30 | 06.57 | -1.83 | SKKSac | 24 | 51.31 | 7.14 | Sdiff | 24 | 35.45 | 8.34 | Sdiff | 23 | 41.64 | 8.34 |
| SS | 32 | 43.28 | 13.85 | sSKSac | 25 | 00.50 | 4.77 | pSKSac | 25 | 12.27 | 4.84 | SP | 25 | 20.02 | 10.42 |
| SKKPbc | 33 | 42.22 | -2.63 | Sdiff | 25 | 16.61 | 8.34 | sSKSac | 25 | 43.56 | 4.80 | pSKSac | 25 | 41.03 | 4.96 |
| PKKSbc | 33 | 42.22 | -2.63 | pSdiff | 25 | 51.06 | 8.34 | pS | 26 | 09.55 | 8.36 | pS | 26 | 29.88 | 8.66 |
| SKKPdf | 33 | 42.72 | -1.80 | sSdiff | 26 | 02.47 | 8.34 | SP | 26 | 10.55 | 10.54 | PS | 26 | 35.87 | 9.23 |
| PKKSdf | 33 | 42.72 | -1.80 | SP | 26 | 49.90 | 10.59 | sSdiff | 26 | 43.62 | 8.34 | PS | 26 | 36.26 | 9.93 |
| SKKSdf | 37 | 18.71 | -1.76 | PS | 27 | 02.24 | 10.56 | PS | 26 | 48.02 | 10.40 | sSKSac | 26 | 40.90 | 4.86 |
| SKKSac | 37 | 22.62 | -2.44 | PKKPbc | 29 | 46.38 | -2.91 | PKKPbc | 29 | 22.86 | -2.90 | sS | 27 | 37.43 | 8.37 |
| P'P'df | 38 | 19.53 | -1.90 | PKKPdf | 29 | 52.83 | -1.83 | PKKPdf | 29 | 28.94 | -1.83 | PKKPbc | 28 | 51.88 | -2.87 |
| S'S'ac | 52 | 38.36 | -2.89 | SS | 32 | 22.69 | 13.82 | SS | 31 | 46.94 | 13.75 | PKKPdf | 28 | 57.29 | -1.82 |
| S'S'df | 52 | 45.28 | -1.83 | SKKPbc | 33 | 18.18 | -2.63 | SKKPbc | 32 | 34.48 | -2.62 | SS | 31 | 03.39 | 13.60 |
| | | | | SKKPdf | 33 | 18.61 | -1.80 | SKKPdf | 32 | 34.77 | -1.80 | SKKPbc | 31 | 35.94 | -2.61 |
| | | | | PKKSbc | 33 | 28.59 | -2.63 | PKKSbc | 33 | 04.96 | -2.62 | SKKPdf | 31 | 35.96 | -1.80 |
| | | | | PKKSdf | 33 | 28.98 | -1.80 | PKKSdf | 33 | 05.08 | -1.80 | PKKSdf | 32 | 33.41 | -1.79 |
| | | | | SKKSdf | 36 | 54.60 | -1.76 | SKKSdf | 36 | 10.76 | -1.76 | PKKSbc | 32 | 33.77 | -2.60 |
| | | | | SKKSac | 36 | 58.56 | -2.43 | SKKSac | 36 | 14.82 | -2.43 | SKKSdf | 35 | 11.94 | -1.76 |
| | | | | P'P'df | 38 | 05.80 | -1.90 | P'P'df | 37 | 41.93 | -1.90 | SKKSac | 35 | 16.21 | -2.42 |
| | | | | S'S'ac | 52 | 14.34 | -2.88 | S'S'ac | 51 | 30.70 | -2.88 | P'P'df | 37 | 10.31 | -1.90 |
| | | | | S'S'df | 52 | 21.18 | -1.83 | S'S'df | 51 | 37.34 | -1.83 | S'S'ac | 50 | 32.25 | -2.86 |
| | | | | | | | | | | | | S'S'df | 50 | 38.54 | -1.83 |

ak135

- 53 -

Delta : 104.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 04.83 | 4.45 | Pdiff | 13 | 51.60 | 4.45 | Pdiff | 13 | 28.93 | 4.45 | Pdiff | 12 | 59.55 | 4.45 |
| PP | 18 | 22.10 | 7.45 | pPdiff | 14 | 18.05 | 4.45 | pPdiff | 14 | 40.72 | 4.45 | pPdiff | 15 | 10.10 | 4.45 |
| PKiKP | 18 | 22.25 | 1.83 | sPdiff | 14 | 28.64 | 4.45 | sPdiff | 15 | 11.83 | 4.45 | sPdiff | 16 | 09.43 | 4.45 |
| SKiKP | 21 | 58.59 | 1.87 | PKiKP | 18 | 08.52 | 1.83 | PKiKP | 17 | 44.63 | 1.83 | PKiKP | 17 | 12.98 | 1.84 |
| SKSac | 24 | 46.08 | 4.60 | PP | 18 | 10.07 | 7.43 | PP | 17 | 50.25 | 7.39 | PP | 17 | 26.32 | 7.30 |
| SKKSac | 25 | 28.82 | 7.09 | pPKiKP | 18 | 35.99 | 1.83 | pPKiKP | 18 | 59.88 | 1.83 | pPKiKP | 19 | 31.53 | 1.82 |
| Sdiff | 25 | 56.22 | 8.34 | sPKiKP | 18 | 46.36 | 1.83 | sPKiKP | 19 | 30.20 | 1.83 | SKiKP | 19 | 51.87 | 1.88 |
| SP | 27 | 33.15 | 10.49 | SKiKP | 21 | 34.49 | 1.87 | SKiKP | 20 | 50.65 | 1.88 | sPKiKP | 20 | 28.99 | 1.83 |
| PS | 27 | 33.15 | 10.49 | SKSac | 24 | 22.29 | 4.58 | SKSac | 23 | 39.14 | 4.56 | SKSac | 22 | 41.60 | 4.51 |
| PKKPbc | 29 | 54.05 | -2.99 | pSKSac | 24 | 59.26 | 4.62 | SKKSac | 24 | 23.57 | 7.07 | SKKSac | 23 | 28.22 | 7.03 |
| PKKPdf | 30 | 02.90 | -1.84 | SKKSac | 25 | 05.54 | 7.08 | Sdiff | 24 | 52.14 | 8.34 | Sdiff | 23 | 58.32 | 8.34 |
| PKKPab | 30 | 13.36 | -4.45 | sSKSac | 25 | 09.88 | 4.61 | pSKSac | 25 | 21.79 | 4.68 | SP | 25 | 40.73 | 10.29 |
| SS | 33 | 10.87 | 13.74 | Sdiff | 25 | 33.29 | 8.34 | sSKSac | 25 | 53.00 | 4.64 | pSKSac | 25 | 50.78 | 4.79 |
| SKKPbc | 33 | 36.89 | -2.69 | pSdiff | 26 | 07.74 | 8.34 | pSdiff | 26 | 26.23 | 8.34 | pS | 26 | 47.04 | 8.49 |
| PKKSbc | 33 | 36.89 | -2.69 | sSdiff | 26 | 19.15 | 8.34 | SP | 26 | 31.50 | 10.41 | sSKSac | 26 | 50.46 | 4.69 |
| PKKSdf | 33 | 39.10 | -1.81 | SP | 27 | 10.97 | 10.47 | sSdiff | 27 | 00.30 | 8.34 | PS | 26 | 54.32 | 9.22 |
| SKKPdf | 33 | 39.10 | -1.81 | PS | 27 | 23.24 | 10.43 | PS | 27 | 08.69 | 10.27 | PS | 26 | 56.02 | 9.83 |
| SKKSdf | 37 | 15.17 | -1.78 | PKKPbc | 29 | 40.49 | -2.99 | PKKPbc | 29 | 17.00 | -2.97 | sSdiff | 27 | 54.11 | 8.34 |
| SKKSac | 37 | 17.70 | -2.48 | PKKPdf | 29 | 49.16 | -1.84 | PKKPdf | 29 | 25.28 | -1.84 | PKKPbc | 28 | 46.07 | -2.94 |
| P'P'df | 38 | 15.72 | -1.91 | PKKPab | 30 | 00.13 | -4.45 | SS | 32 | 14.32 | 13.64 | PKKPdf | 28 | 53.63 | -1.83 |
| S'S'ac | 52 | 32.52 | -2.95 | SS | 32 | 50.22 | 13.71 | SKKPbc | 32 | 29.17 | -2.69 | SS | 31 | 30.50 | 13.50 |
| S'S'df | 52 | 41.60 | -1.84 | SKKPbc | 33 | 12.86 | -2.69 | SKKPdf | 32 | 31.16 | -1.81 | SKKPbc | 31 | 30.65 | -2.67 |
| | | | | SKKPdf | 33 | 15.00 | -1.81 | PKKSbc | 32 | 59.67 | -2.68 | SKKPdf | 31 | 32.36 | -1.81 |
| | | | | PKKSbc | 33 | 23.28 | -2.69 | PKKSdf | 33 | 01.47 | -1.81 | PKKSbc | 32 | 28.52 | -2.66 |
| | | | | PKKSdf | 33 | 25.37 | -1.81 | SKKSdf | 36 | 07.22 | -1.78 | PKKSdf | 32 | 29.81 | -1.81 |
| | | | | SKKSdf | 36 | 51.06 | -1.78 | SKKSac | 36 | 09.92 | -2.48 | SKKSdf | 35 | 08.40 | -1.78 |
| | | | | SKKSac | 36 | 53.65 | -2.48 | P'P'df | 37 | 38.13 | -1.91 | SKKSac | 35 | 11.32 | -2.47 |
| | | | | P'P'df | 38 | 01.99 | -1.91 | S'S'ac | 51 | 24.88 | -2.94 | P'P'df | 37 | 06.51 | -1.90 |
| | | | | S'S'ac | 52 | 08.51 | -2.95 | S'S'df | 51 | 33.66 | -1.84 | S'S'ac | 50 | 26.46 | -2.93 |
| | | | | S'S'df | 52 | 17.50 | -1.84 | | | | | S'S'df | 50 | 34.87 | -1.84 |

ak135

- 54 -

Delta : 106.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 13.72 | 4.45 | Pdiff | 14 | 00.49 | 4.45 | Pdiff | 13 | 37.82 | 4.45 | Pdiff | 13 | 08.45 | 4.45 |
| PKiKP | 18 | 25.93 | 1.85 | pPdiff | 14 | 26.94 | 4.45 | pPdiff | 14 | 49.61 | 4.45 | pPdiff | 15 | 18.99 | 4.45 |
| PP | 18 | 36.93 | 7.38 | sPdiff | 14 | 37.53 | 4.45 | sPdiff | 15 | 20.72 | 4.45 | sPdiff | 16 | 18.33 | 4.45 |
| SKiKP | 22 | 02.35 | 1.89 | PKiKP | 18 | 12.20 | 1.85 | PKiKP | 17 | 48.32 | 1.85 | PKiKP | 17 | 16.67 | 1.86 |
| SKSac | 24 | 55.12 | 4.45 | PP | 18 | 24.86 | 7.36 | PP | 18 | 04.96 | 7.32 | PP | 17 | 40.84 | 7.22 |
| SKSdf | 25 | 38.97 | 1.92 | pPKiKP | 18 | 39.66 | 1.85 | pPKiKP | 19 | 03.55 | 1.85 | pPKiKP | 19 | 35.20 | 1.84 |
| SKKSac | 25 | 42.94 | 7.03 | sPKiKP | 18 | 50.03 | 1.85 | sPKiKP | 19 | 33.87 | 1.85 | SKiKP | 19 | 55.64 | 1.90 |
| Sdiff | 26 | 12.90 | 8.34 | SKiKP | 21 | 38.25 | 1.89 | SKiKP | 20 | 54.42 | 1.89 | sPKiKP | 20 | 32.66 | 1.84 |
| SP | 27 | 54.01 | 10.36 | SKSac | 24 | 31.30 | 4.44 | SKSac | 23 | 48.11 | 4.41 | SKSac | 22 | 50.47 | 4.36 |
| PS | 27 | 54.01 | 10.36 | pSKSac | 25 | 08.34 | 4.47 | SKSdf | 24 | 31.05 | 1.92 | SKSdf | 23 | 32.28 | 1.92 |
| PKKPbc | 29 | 47.99 | -3.07 | SKSdf | 25 | 14.88 | 1.92 | SKKSac | 24 | 37.64 | 7.00 | SKKSac | 23 | 42.22 | 6.97 |
| PKKPdf | 29 | 59.21 | -1.85 | sSKSac | 25 | 18.94 | 4.46 | Sdiff | 25 | 08.82 | 8.34 | Sdiff | 24 | 15.00 | 8.34 |
| PKKPab | 30 | 04.47 | -4.44 | SKKSac | 25 | 19.64 | 7.02 | pSKSac | 25 | 30.98 | 4.52 | pSKSac | 26 | 00.20 | 4.62 |
| PKKSbc | 33 | 31.44 | -2.76 | Sdiff | 25 | 50.00 | 8.34 | sSKSac | 26 | 02.12 | 4.48 | SP | 26 | 01.18 | 10.15 |
| SKKPbc | 33 | 31.44 | -2.76 | pSKSdf | 25 | 52.70 | 1.92 | pSKSdf | 26 | 16.56 | 1.92 | SP | 26 | 02.37 | 9.24 |
| PKKSdf | 33 | 35.47 | -1.82 | sSKSdf | 26 | 03.07 | 1.92 | pSdiff | 26 | 42.91 | 8.34 | sSKSac | 26 | 59.68 | 4.53 |
| SKKPdf | 33 | 35.47 | -1.82 | pSdiff | 26 | 24.42 | 8.34 | sSKSdf | 26 | 46.90 | 1.92 | pSdiff | 27 | 03.85 | 8.34 |
| SS | 33 | 38.24 | 13.63 | sSdiff | 26 | 35.83 | 8.34 | SP | 26 | 52.18 | 10.27 | PS | 27 | 12.72 | 9.18 |
| SKKSdf | 37 | 11.60 | -1.79 | SP | 27 | 31.77 | 10.33 | sSdiff | 27 | 16.98 | 8.34 | sSKSdf | 27 | 45.67 | 1.92 |
| SKKSac | 37 | 12.68 | -2.54 | PS | 27 | 43.97 | 10.30 | PS | 27 | 29.09 | 10.14 | sSdiff | 28 | 10.79 | 8.34 |
| P'P'df | 38 | 11.90 | -1.91 | PKKPbc | 29 | 34.44 | -3.06 | PS | 27 | 30.18 | 9.24 | PKKPbc | 28 | 40.12 | -3.01 |
| S'S'ac | 52 | 26.55 | -3.02 | PKKPdf | 29 | 45.48 | -1.85 | PKKPbc | 29 | 10.98 | -3.05 | PKKPdf | 28 | 49.95 | -1.84 |
| S'S'df | 52 | 37.90 | -1.85 | PKKPab | 29 | 51.24 | -4.44 | PKKPdf | 29 | 21.59 | -1.85 | PKKPab | 28 | 59.19 | -4.45 |
| | | | | SKKPbc | 33 | 07.41 | -2.76 | PKKPab | 29 | 28.57 | -4.45 | SKKPbc | 31 | 25.24 | -2.74 |
| | | | | SKKPdf | 33 | 11.36 | -1.82 | SKKPbc | 32 | 23.74 | -2.75 | SKKPdf | 31 | 28.72 | -1.82 |
| | | | | SS | 33 | 17.53 | 13.60 | SKKPdf | 32 | 27.52 | -1.82 | SS | 31 | 57.40 | 13.40 |
| | | | | PKKSbc | 33 | 17.84 | -2.75 | SS | 32 | 41.50 | 13.54 | PKKSbc | 32 | 23.15 | -2.72 |
| | | | | PKKSdf | 33 | 21.73 | -1.82 | PKKSbc | 32 | 54.25 | -2.74 | PKKSdf | 32 | 26.18 | -1.82 |
| | | | | SKKSdf | 36 | 47.49 | -1.79 | PKKSdf | 32 | 57.84 | -1.82 | SKKSdf | 35 | 04.84 | -1.79 |
| | | | | SKKSac | 36 | 48.63 | -2.53 | SKKSdf | 36 | 03.64 | -1.79 | SKKSac | 35 | 06.33 | -2.52 |
| | | | | P'P'df | 37 | 58.18 | -1.91 | SKKSac | 36 | 04.91 | -2.53 | P'P'df | 37 | 02.70 | -1.91 |
| | | | | S'S'ac | 52 | 02.55 | -3.01 | P'P'df | 37 | 34.31 | -1.91 | S'S'ac | 50 | 20.55 | -2.99 |
| | | | | S'S'df | 52 | 13.80 | -1.85 | S'S'ac | 51 | 18.94 | -3.01 | S'S'df | 50 | 31.17 | -1.85 |
| | | | | | | | | S'S'df | 51 | 30.00 | -1.85 | | | | |

ak135

- 55 -

Delta : 108.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 22.61 | 4.45 | Pdiff | 14 | 09.38 | 4.45 | Pdiff | 13 | 46.71 | 4.45 | Pdiff | 13 | 17.34 | 4.45 |
| PKiKP | 18 | 29.65 | 1.87 | pPdiff | 14 | 35.83 | 4.45 | pPdiff | 14 | 58.50 | 4.45 | pPdiff | 15 | 27.88 | 4.45 |
| PP | 18 | 51.62 | 7.31 | sPdiff | 14 | 46.43 | 4.45 | sPdiff | 15 | 29.62 | 4.45 | sPdiff | 16 | 27.22 | 4.45 |
| SKiKP | 22 | 06.15 | 1.91 | PKiKP | 18 | 15.92 | 1.87 | PKiKP | 17 | 52.04 | 1.87 | PKiKP | 17 | 20.40 | 1.87 |
| SKSac | 25 | 03.87 | 4.30 | PP | 18 | 39.52 | 7.29 | PP | 18 | 19.52 | 7.24 | PP | 17 | 55.22 | 7.15 |
| SKSdf | 25 | 42.82 | 1.92 | pPKiKP | 18 | 43.38 | 1.87 | pPKiKP | 19 | 07.26 | 1.86 | pPKiKP | 19 | 38.90 | 1.86 |
| SKKSac | 25 | 56.93 | 6.96 | sPKiKP | 18 | 53.75 | 1.87 | sPKiKP | 19 | 37.58 | 1.86 | SKiKP | 19 | 59.45 | 1.91 |
| Sdiff | 26 | 29.58 | 8.34 | SKiKP | 21 | 42.05 | 1.91 | SKiKP | 20 | 58.22 | 1.91 | sPKiKP | 20 | 36.37 | 1.86 |
| PS | 28 | 14.59 | 10.22 | SKSac | 24 | 40.03 | 4.29 | SKSac | 23 | 56.79 | 4.27 | SKSac | 22 | 59.06 | 4.23 |
| SP | 28 | 14.59 | 10.22 | pSKSac | 25 | 17.13 | 4.32 | SKSdf | 24 | 34.90 | 1.92 | SKSdf | 23 | 36.13 | 1.92 |
| PS | 28 | 16.53 | 9.24 | SKSdf | 25 | 18.72 | 1.92 | SKKSac | 24 | 51.58 | 6.94 | SKKSac | 23 | 56.09 | 6.90 |
| SP | 28 | 16.53 | 9.24 | sSKSac | 25 | 27.71 | 4.32 | Sdiff | 25 | 25.50 | 8.34 | Sdiff | 24 | 31.69 | 8.34 |
| PKKPbc | 29 | 41.77 | -3.15 | SKKSac | 25 | 33.62 | 6.96 | pSKSac | 25 | 39.87 | 4.37 | pSKSac | 26 | 09.28 | 4.46 |
| PKKPdf | 29 | 55.50 | -1.86 | pSKSdf | 25 | 56.54 | 1.92 | sSKSac | 26 | 10.94 | 4.34 | SP | 26 | 20.84 | 9.22 |
| PKKPab | 29 | 55.58 | -4.44 | Sdiff | 26 | 06.65 | 8.34 | pSKSdf | 26 | 20.41 | 1.92 | SP | 26 | 21.36 | 10.02 |
| PKKSbc | 33 | 25.86 | -2.82 | sSKSdf | 26 | 06.92 | 1.92 | sSKSdf | 26 | 50.74 | 1.92 | pSKSdf | 26 | 52.02 | 1.92 |
| SKKPbc | 33 | 25.86 | -2.82 | pSdiff | 26 | 41.10 | 8.34 | pSdiff | 26 | 59.59 | 8.34 | sSKSac | 27 | 08.60 | 4.39 |
| SKKPdf | 33 | 31.81 | -1.84 | sSdiff | 26 | 52.51 | 8.34 | SP | 27 | 12.58 | 10.13 | pSdiff | 27 | 20.54 | 8.34 |
| PKKSdf | 33 | 31.81 | -1.84 | SP | 27 | 52.29 | 10.19 | SP | 27 | 13.40 | 9.23 | PS | 27 | 31.04 | 9.14 |
| SS | 34 | 05.40 | 13.53 | SP | 27 | 53.89 | 9.24 | sSdiff | 27 | 33.66 | 8.34 | sSKSdf | 27 | 49.52 | 1.92 |
| SKKSac | 37 | 07.56 | -2.59 | PS | 28 | 04.43 | 10.16 | PS | 27 | 48.65 | 9.22 | sSdiff | 28 | 27.48 | 8.34 |
| SKKSdf | 37 | 07.99 | -1.81 | PS | 28 | 05.61 | 9.24 | PS | 27 | 49.24 | 10.01 | PKKPbc | 28 | 34.02 | -3.09 |
| P'P'df | 38 | 08.08 | -1.91 | PKKPbc | 29 | 28.23 | -3.14 | PKKPbc | 29 | 04.82 | -3.12 | PKKPdf | 28 | 46.25 | -1.85 |
| S'S'ac | 52 | 20.45 | -3.08 | PKKPdf | 29 | 41.77 | -1.86 | PKKPdf | 29 | 17.89 | -1.86 | PKKPab | 28 | 50.30 | -4.44 |
| S'S'df | 52 | 34.19 | -1.86 | PKKPab | 29 | 42.36 | -4.44 | PKKPab | 29 | 19.68 | -4.44 | SKKPbc | 31 | 19.71 | -2.80 |
| | | | | SKKPbc | 33 | 01.84 | -2.82 | SKKPbc | 32 | 18.18 | -2.81 | SKKPdf | 31 | 25.07 | -1.83 |
| | | | | SKKPdf | 33 | 07.71 | -1.83 | SKKPdf | 32 | 23.87 | -1.83 | PKKSbc | 32 | 17.65 | -2.78 |
| | | | | PKKSbc | 33 | 12.27 | -2.82 | PKKSbc | 32 | 48.71 | -2.80 | PKKSdf | 32 | 22.53 | -1.83 |
| | | | | PKKSdf | 33 | 18.07 | -1.83 | PKKSdf | 32 | 54.19 | -1.83 | SS | 32 | 24.09 | 13.29 |
| | | | | SS | 33 | 44.63 | 13.50 | SS | 33 | 08.46 | 13.43 | SKKSdf | 35 | 01.24 | -1.80 |
| | | | | SKKSac | 36 | 43.51 | -2.58 | SKKSac | 35 | 59.80 | -2.58 | SKKSac | 35 | 01.24 | -2.57 |
| | | | | SKKSdf | 36 | 43.89 | -1.81 | SKKSdf | 36 | 00.05 | -1.81 | P'P'df | 36 | 58.88 | -1.91 |
| | | | | P'P'df | 37 | 54.36 | -1.91 | P'P'df | 37 | 30.49 | -1.91 | S'S'ac | 50 | 14.50 | -3.06 |
| | | | | S'S'ac | 51 | 56.46 | -3.08 | S'S'ac | 51 | 12.86 | -3.07 | S'S'df | 50 | 27.46 | -1.86 |
| | | | | S'S'df | 52 | 10.09 | -1.86 | S'S'df | 51 | 26.25 | -1.86 | | | | |

ak135

- 56 -

Delta : 110.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 31.50 | 4.45 | Pdiff | 14 | 18.28 | 4.45 | Pdiff | 13 | 55.60 | 4.45 | Pdiff | 13 | 26.23 | 4.45 |
| PKiKP | 18 | 33.40 | 1.88 | pPdiff | 14 | 44.72 | 4.45 | pPdiff | 15 | 07.39 | 4.45 | pPdiff | 15 | 36.77 | 4.45 |
| PP | 19 | 06.17 | 7.23 | sPdiff | 14 | 55.32 | 4.45 | sPdiff | 15 | 38.51 | 4.45 | sPdiff | 16 | 36.11 | 4.45 |
| SKiKP | 22 | 10.00 | 1.92 | PKiKP | 18 | 19.67 | 1.88 | PKiKP | 17 | 55.79 | 1.89 | PKiKP | 17 | 24.17 | 1.89 |
| SKSac | 25 | 12.34 | 4.16 | pPKiKP | 18 | 47.13 | 1.88 | PP | 18 | 33.93 | 7.17 | PP | 18 | 09.45 | 7.08 |
| SKSdf | 25 | 46.67 | 1.92 | PP | 18 | 54.02 | 7.22 | pPKiKP | 19 | 11.00 | 1.88 | pPKiKP | 19 | 42.63 | 1.88 |
| SKKSac | 26 | 10.79 | 6.90 | sPKiKP | 18 | 57.50 | 1.88 | sPKiKP | 19 | 41.33 | 1.88 | SKPdf | 20 | 03.29 | 1.92 |
| Sdiff | 26 | 46.26 | 8.34 | SKiKP | 21 | 45.88 | 1.92 | SKPdf | 21 | 02.06 | 1.92 | SKiKP | 20 | 03.29 | 1.93 |
| PS | 28 | 34.89 | 10.08 | SKSac | 24 | 48.48 | 4.15 | SKiKP | 21 | 02.06 | 1.92 | sPKiKP | 20 | 40.11 | 1.88 |
| SP | 28 | 34.89 | 10.08 | SKSdf | 25 | 22.57 | 1.92 | PKSdf | 21 | 32.39 | 1.92 | PKSdf | 21 | 00.79 | 1.92 |
| PS | 28 | 35.00 | 9.23 | pSKSac | 25 | 25.64 | 4.18 | SKSac | 24 | 05.19 | 4.13 | SKSac | 23 | 07.37 | 4.09 |
| SP | 28 | 35.00 | 9.23 | sSKSac | 25 | 36.20 | 4.17 | SKSdf | 24 | 38.74 | 1.92 | SKSdf | 23 | 40.00 | 1.92 |
| PKKPbc | 29 | 35.39 | -3.23 | SKKSac | 25 | 47.46 | 6.89 | SKKSac | 25 | 05.39 | 6.87 | SKKSac | 24 | 09.82 | 6.84 |
| PKKPab | 29 | 46.70 | -4.44 | pSKSdf | 26 | 00.39 | 1.92 | Sdiff | 25 | 42.18 | 8.34 | Sdiff | 24 | 48.37 | 8.34 |
| PKKPdf | 29 | 51.78 | -1.87 | sSKSdf | 26 | 10.76 | 1.92 | pSKSac | 25 | 48.47 | 4.23 | pSKSac | 26 | 18.06 | 4.32 |
| PKKSbc | 33 | 20.15 | -2.89 | Sdiff | 26 | 23.33 | 8.34 | sSKSac | 26 | 19.48 | 4.20 | SP | 26 | 39.25 | 9.19 |
| SKKPbc | 33 | 20.15 | -2.89 | pSdiff | 26 | 57.78 | 8.34 | pSKSdf | 26 | 24.25 | 1.92 | SP | 26 | 41.26 | 9.88 |
| SKKPdf | 33 | 28.13 | -1.85 | sSdiff | 27 | 09.19 | 8.34 | sSKSdf | 26 | 54.59 | 1.92 | pSKSdf | 26 | 55.86 | 1.92 |
| PKKSdf | 33 | 28.13 | -1.85 | SP | 28 | 12.35 | 9.23 | pSdiff | 27 | 16.27 | 8.34 | sSKSac | 27 | 17.23 | 4.24 |
| SS | 34 | 32.34 | 13.42 | SP | 28 | 12.55 | 10.06 | SP | 27 | 31.86 | 9.22 | pSdiff | 27 | 37.22 | 8.34 |
| SKKSac | 37 | 02.33 | -2.64 | PS | 28 | 24.07 | 9.22 | SP | 27 | 32.71 | 10.00 | PS | 27 | 49.25 | 9.08 |
| SKKSdf | 37 | 04.37 | -1.82 | PS | 28 | 24.61 | 10.02 | sSdiff | 27 | 50.34 | 8.34 | sSKSdf | 27 | 53.36 | 1.92 |
| P'P'df | 38 | 04.25 | -1.91 | PKKPbc | 29 | 21.87 | -3.22 | PS | 28 | 07.07 | 9.19 | PKKPbc | 28 | 27.76 | -3.17 |
| S'S'ac | 52 | 14.22 | -3.15 | PKKPab | 29 | 33.48 | -4.44 | PS | 28 | 09.11 | 9.87 | PKKPab | 28 | 41.42 | -4.44 |
| S'S'df | 52 | 30.46 | -1.87 | PKKPdf | 29 | 38.05 | -1.87 | PKKPbc | 28 | 58.49 | -3.20 | PKKPdf | 28 | 42.53 | -1.86 |
| | | | | SKKPbc | 32 | 56.13 | -2.88 | PKKPab | 29 | 10.80 | -4.44 | sSdiff | 28 | 44.16 | 8.34 |
| | | | | SKKPdf | 33 | 04.03 | -1.84 | PKKPdf | 29 | 14.17 | -1.87 | SKKPbc | 31 | 14.04 | -2.86 |
| | | | | PKKSbc | 33 | 06.57 | -2.88 | SKKPbc | 32 | 12.49 | -2.88 | SKKPdf | 31 | 21.40 | -1.84 |
| | | | | PKKSdf | 33 | 14.40 | -1.84 | SKKPdf | 32 | 20.19 | -1.84 | PKKSbc | 32 | 12.03 | -2.84 |
| | | | | SS | 34 | 11.52 | 13.39 | PKKSbc | 32 | 43.04 | -2.87 | PKKSdf | 32 | 18.86 | -1.84 |
| | | | | SKKSac | 36 | 38.29 | -2.64 | PKKSdf | 32 | 50.51 | -1.84 | SS | 32 | 50.57 | 13.18 |
| | | | | SKKSdf | 36 | 40.26 | -1.82 | SS | 33 | 35.22 | 13.32 | SKKSac | 34 | 56.05 | -2.62 |
| | | | | P'P'df | 37 | 50.53 | -1.91 | SKKSac | 35 | 54.59 | -2.63 | SKKSdf | 34 | 57.62 | -1.82 |
| | | | | S'S'ac | 51 | 50.23 | -3.15 | SKKSdf | 35 | 56.42 | -1.82 | P'P'df | 36 | 55.05 | -1.91 |
| | | | | S'S'df | 52 | 06.35 | -1.87 | P'P'df | 37 | 26.66 | -1.91 | S'S'ac | 50 | 08.32 | -3.12 |
| | | | | | | | | S'S'ac | 51 | 06.65 | -3.14 | S'S'df | 50 | 23.73 | -1.87 |
| | | | | | | | | S'S'df | 51 | 22.52 | -1.87 | | | | |

ak135

- 57 -

Delta : 112.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 40.39 | 4.45 | Pdiff | 14 | 27.17 | 4.45 | Pdiff | 14 | 04.50 | 4.45 | Pdiff | 13 | 35.12 | 4.45 |
| PKiKP | 18 | 37.18 | 1.90 | pPdiff | 14 | 53.61 | 4.45 | pPdiff | 15 | 16.29 | 4.45 | pPdiff | 15 | 45.66 | 4.45 |
| PP | 19 | 20.56 | 7.16 | sPdiff | 15 | 04.21 | 4.45 | sPdiff | 15 | 47.40 | 4.45 | sPdiff | 16 | 45.00 | 4.45 |
| PKSdf | 22 | 13.83 | 1.92 | PKiKP | 18 | 23.45 | 1.90 | PKiKP | 17 | 59.58 | 1.90 | PKiKP | 17 | 27.97 | 1.91 |
| SKPdf | 22 | 13.83 | 1.92 | pPKiKP | 18 | 50.91 | 1.90 | PP | 18 | 48.20 | 7.10 | PP | 18 | 23.54 | 7.01 |
| SKiKP | 22 | 13.84 | 1.94 | sPKiKP | 19 | 01.28 | 1.90 | pPKiKP | 19 | 14.78 | 1.90 | pPKiKP | 19 | 46.40 | 1.89 |
| SKSac | 25 | 20.53 | 4.02 | PP | 19 | 08.38 | 7.14 | sPKiKP | 19 | 45.11 | 1.90 | SKPdf | 20 | 07.13 | 1.92 |
| SKSdf | 25 | 50.51 | 1.92 | SKPdf | 21 | 49.73 | 1.92 | SKPdf | 21 | 05.91 | 1.92 | SKiKP | 20 | 07.15 | 1.94 |
| SKKSac | 26 | 24.52 | 6.83 | SKiKP | 21 | 49.74 | 1.94 | SKiKP | 21 | 05.92 | 1.94 | sPKiKP | 20 | 43.89 | 1.90 |
| Sdiff | 27 | 02.94 | 8.34 | PKSdf | 22 | 00.10 | 1.92 | PKSdf | 21 | 36.24 | 1.92 | PKSdf | 21 | 04.63 | 1.92 |
| PS | 28 | 53.43 | 9.20 | SKSac | 24 | 56.65 | 4.02 | SKSac | 24 | 13.31 | 3.99 | SKSac | 23 | 15.42 | 3.95 |
| SP | 28 | 53.43 | 9.20 | SKSdf | 25 | 26.41 | 1.92 | SKSdf | 24 | 42.58 | 1.92 | SKSdf | 23 | 43.81 | 1.92 |
| PS | 28 | 54.92 | 9.94 | pSKSac | 25 | 33.86 | 4.04 | SKKSac | 25 | 19.06 | 6.80 | SKKSac | 24 | 23.43 | 6.77 |
| SP | 28 | 54.92 | 9.94 | sSKSac | 25 | 44.41 | 4.03 | pSKSac | 25 | 56.78 | 4.09 | Sdiff | 25 | 05.05 | 8.34 |
| PKKPbc | 29 | 28.85 | -3.31 | SKKSac | 26 | 01.17 | 6.82 | Sdiff | 25 | 58.86 | 8.34 | pSKSac | 26 | 26.55 | 4.17 |
| PKKPab | 29 | 37.84 | -4.43 | pSKSdf | 26 | 04.23 | 1.92 | sSKSac | 26 | 27.73 | 4.06 | SP | 26 | 57.60 | 9.15 |
| PKKPdf | 29 | 48.04 | -1.87 | sSKSdf | 26 | 14.61 | 1.92 | pSKSdf | 26 | 28.10 | 1.92 | pSKSdf | 26 | 59.71 | 1.92 |
| SKKPbc | 33 | 14.32 | -2.95 | Sdiff | 26 | 40.01 | 8.34 | sSKSdf | 26 | 58.43 | 1.92 | sSKSac | 27 | 25.57 | 4.10 |
| PKKSbc | 33 | 14.32 | -2.95 | pSdiff | 27 | 14.46 | 8.34 | pSdiff | 27 | 32.95 | 8.34 | pSdiff | 27 | 53.90 | 8.34 |
| PKKSdf | 33 | 24.43 | -1.85 | sSdiff | 27 | 25.87 | 8.34 | SP | 27 | 50.26 | 9.18 | sSKSdf | 27 | 57.21 | 1.92 |
| SKKPdf | 33 | 24.43 | -1.85 | SP | 28 | 30.78 | 9.20 | SP | 27 | 52.56 | 9.85 | PS | 28 | 07.34 | 9.01 |
| SS | 34 | 59.08 | 13.31 | SP | 28 | 32.52 | 9.91 | sSdiff | 28 | 07.03 | 8.34 | PKKPbc | 28 | 21.35 | -3.25 |
| SKKSac | 36 | 56.99 | -2.70 | PS | 28 | 42.49 | 9.19 | PS | 28 | 25.41 | 9.15 | PKKPab | 28 | 32.54 | -4.44 |
| SKKSdf | 37 | 00.72 | -1.83 | PS | 28 | 44.52 | 9.88 | PKKPbc | 28 | 52.01 | -3.28 | PKKPdf | 28 | 38.80 | -1.87 |
| P'P'df | 38 | 00.42 | -1.92 | PKKPbc | 29 | 15.35 | -3.31 | PKKPab | 29 | 01.93 | -4.43 | sSdiff | 29 | 00.84 | 8.34 |
| S'S'ac | 52 | 07.86 | -3.21 | PKKPab | 29 | 24.61 | -4.43 | PKKPdf | 29 | 10.43 | -1.87 | SKKPbc | 31 | 08.26 | -2.92 |
| S'S'df | 52 | 26.71 | -1.88 | PKKPdf | 29 | 34.31 | -1.87 | SKKPbc | 32 | 06.68 | -2.94 | SKKPdf | 31 | 17.70 | -1.85 |
| | | | | SKKPbc | 32 | 50.31 | -2.94 | SKKPdf | 32 | 16.49 | -1.85 | PKKSbc | 32 | 06.28 | -2.90 |
| | | | | SKKPdf | 33 | 00.33 | -1.85 | PKKSbc | 32 | 37.24 | -2.93 | PKKSdf | 32 | 15.17 | -1.85 |
| | | | | PKKSbc | 33 | 00.75 | -2.94 | PKKSdf | 32 | 46.81 | -1.85 | SS | 33 | 16.83 | 13.07 |
| | | | | PKKSdf | 33 | 10.70 | -1.85 | SS | 34 | 01.75 | 13.21 | SKKSac | 34 | 50.75 | -2.68 |
| | | | | SS | 34 | 38.19 | 13.28 | SKKSac | 35 | 49.27 | -2.69 | SKKSdf | 34 | 53.98 | -1.83 |
| | | | | SKKSac | 36 | 32.96 | -2.69 | SKKSdf | 35 | 52.77 | -1.83 | P'P'df | 36 | 51.22 | -1.92 |
| | | | | SKKSdf | 36 | 36.61 | -1.83 | P'P'df | 37 | 22.83 | -1.92 | S'S'ac | 50 | 02.01 | -3.19 |
| | | | | P'P'df | 37 | 46.70 | -1.92 | S'S'ac | 51 | 00.31 | -3.20 | S'S'df | 50 | 20.00 | -1.88 |
| | | | | S'S'ac | 51 | 43.88 | -3.21 | S'S'df | 51 | 18.77 | -1.88 | | | | |
| | | | | S'S'df | 52 | 02.61 | -1.88 | | | | | | | | |

ak135

- 58 -

Delta : 114.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 49.28 | 4.45 | Pdiff | 14 | 36.06 | 4.45 | Pdiff | 14 | 13.39 | 4.45 | Pdiff | 13 | 44.01 | 4.45 |
| PKiKP | 18 | 40.99 | 1.91 | pPdiff | 15 | 02.51 | 4.45 | pPdiff | 15 | 25.18 | 4.45 | pPdiff | 15 | 54.55 | 4.45 |
| PP | 19 | 34.81 | 7.09 | sPdiff | 15 | 13.10 | 4.45 | sPdiff | 15 | 56.29 | 4.45 | sPdiff | 16 | 53.89 | 4.45 |
| PKSdf | 22 | 17.68 | 1.92 | PKiKP | 18 | 27.27 | 1.92 | PKiKP | 18 | 03.40 | 1.92 | PKiKP | 17 | 31.79 | 1.92 |
| SKPdf | 22 | 17.68 | 1.92 | pPKiKP | 18 | 54.72 | 1.91 | PP | 19 | 02.33 | 7.03 | PP | 18 | 37.50 | 6.94 |
| SKiKP | 22 | 17.73 | 1.95 | sPKiKP | 19 | 05.09 | 1.91 | pPKiKP | 19 | 18.59 | 1.91 | pPKiKP | 19 | 50.20 | 1.91 |
| SKSac | 25 | 28.44 | 3.89 | PP | 19 | 22.59 | 7.07 | sPKiKP | 19 | 48.92 | 1.91 | SKPdf | 20 | 10.98 | 1.92 |
| SKSdf | 25 | 54.35 | 1.92 | SKPdf | 21 | 53.58 | 1.92 | SKPdf | 21 | 09.75 | 1.92 | SKiKP | 20 | 11.05 | 1.95 |
| SKKSac | 26 | 38.11 | 6.76 | SKiKP | 21 | 53.63 | 1.95 | SKiKP | 21 | 09.81 | 1.95 | sPKiKP | 20 | 47.69 | 1.91 |
| Sdiff | 27 | 19.62 | 8.34 | PKSdf | 22 | 03.95 | 1.92 | PKSdf | 21 | 40.09 | 1.92 | PKSdf | 21 | 08.48 | 1.92 |
| PS | 29 | 11.80 | 9.16 | SKSac | 25 | 04.54 | 3.88 | SKSac | 24 | 21.16 | 3.86 | SKSac | 23 | 23.19 | 3.82 |
| SP | 29 | 11.80 | 9.16 | SKSdf | 25 | 30.25 | 1.92 | SKSdf | 24 | 46.42 | 1.92 | SKSdf | 23 | 47.65 | 1.92 |
| PS | 29 | 14.65 | 9.79 | pSKSac | 25 | 41.81 | 3.90 | SKKSac | 25 | 32.60 | 6.74 | SKKSac | 24 | 36.90 | 6.70 |
| SP | 29 | 14.65 | 9.79 | sSKSac | 25 | 52.34 | 3.90 | pSKSac | 26 | 04.81 | 3.95 | Sdiff | 25 | 21.73 | 8.34 |
| PKKPbc | 29 | 22.13 | -3.40 | pSKSdf | 26 | 08.07 | 1.92 | Sdiff | 26 | 15.54 | 8.34 | pSKSac | 26 | 34.74 | 4.02 |
| PKKPab | 29 | 28.99 | -4.42 | SKKSac | 26 | 14.75 | 6.76 | pSKSdf | 26 | 31.94 | 1.92 | pSKSdf | 27 | 03.55 | 1.92 |
| PKKPdf | 29 | 44.28 | -1.88 | sSKSdf | 26 | 18.44 | 1.92 | sSKSac | 26 | 35.71 | 3.92 | SP | 27 | 15.84 | 9.09 |
| SKKPbc | 33 | 08.36 | -3.01 | Sdiff | 26 | 56.69 | 8.34 | sSKSdf | 27 | 02.27 | 1.92 | sSKSac | 27 | 33.62 | 3.96 |
| PKKSbc | 33 | 08.36 | -3.01 | pSdiff | 27 | 31.14 | 8.34 | pSdiff | 27 | 49.64 | 8.34 | sSKSdf | 28 | 01.04 | 1.92 |
| PKKSdf | 33 | 20.71 | -1.86 | sSdiff | 27 | 42.55 | 8.34 | SP | 28 | 08.58 | 9.13 | pSdiff | 28 | 10.58 | 8.34 |
| SKKPdf | 33 | 20.71 | -1.86 | SP | 28 | 49.13 | 9.15 | sSdiff | 28 | 23.71 | 8.34 | PKKPbc | 28 | 14.77 | -3.33 |
| SS | 35 | 25.59 | 13.20 | PS | 29 | 00.82 | 9.14 | PS | 28 | 43.65 | 9.09 | PKKPab | 28 | 23.67 | -4.43 |
| SKKSac | 36 | 51.55 | -2.75 | PKKPbc | 29 | 08.65 | -3.39 | PKKPbc | 28 | 45.35 | -3.37 | PS | 28 | 25.28 | 8.93 |
| SKKSdf | 36 | 57.04 | -1.84 | PKKPab | 29 | 15.76 | -4.42 | PKKPab | 28 | 53.07 | -4.42 | PKKPdf | 28 | 35.05 | -1.88 |
| P'P'df | 37 | 56.59 | -1.92 | PKKPdf | 29 | 30.55 | -1.88 | PKKPdf | 29 | 06.68 | -1.88 | sSdiff | 29 | 17.52 | 8.34 |
| S'S'ac | 52 | 01.36 | -3.28 | SKKPbc | 32 | 44.35 | -3.01 | SKKPbc | 32 | 00.74 | -3.00 | SKKPbc | 31 | 02.35 | -2.99 |
| S'S'df | 52 | 22.95 | -1.88 | PKKSbc | 32 | 54.80 | -3.01 | SKKPdf | 32 | 12.77 | -1.86 | SKKPdf | 31 | 13.99 | -1.86 |
| | | | | SKKPdf | 32 | 56.61 | -1.86 | PKKSbc | 32 | 31.32 | -2.99 | PKKSbc | 32 | 00.41 | -2.97 |
| | | | | PKKSdf | 33 | 06.98 | -1.86 | PKKSdf | 32 | 43.10 | -1.86 | PKKSdf | 32 | 11.46 | -1.86 |
| | | | | SS | 35 | 04.64 | 13.17 | SS | 34 | 28.06 | 13.10 | SS | 33 | 42.86 | 12.97 |
| | | | | SKKSac | 36 | 27.52 | -2.75 | SKKSac | 35 | 43.84 | -2.74 | SKKSac | 34 | 45.34 | -2.73 |
| | | | | SKKSdf | 36 | 32.94 | -1.84 | SKKSdf | 35 | 49.10 | -1.84 | SKKSdf | 34 | 50.31 | -1.84 |
| | | | | P'P'df | 37 | 42.86 | -1.92 | P'P'df | 37 | 19.00 | -1.92 | P'P'df | 36 | 47.39 | -1.92 |
| | | | | S'S'ac | 51 | 37.39 | -3.28 | S'S'ac | 50 | 53.84 | -3.27 | S'S'ac | 49 | 55.57 | -3.25 |
| | | | | S'S'df | 51 | 58.85 | -1.88 | S'S'df | 51 | 15.02 | -1.88 | S'S'df | 50 | 16.23 | -1.88 |

ak135

- 59 -

Delta : 116.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 14 | 58.17 | 4.45 | Pdiff | 14 | 44.95 | 4.45 | Pdiff | 14 | 22.28 | 4.45 | Pdiff | 13 | 52.90 | 4.45 |
| PKPdf | 18 | 44.84 | 1.92 | pPdiff | 15 | 11.40 | 4.45 | pPdiff | 15 | 34.07 | 4.45 | pPdiff | 16 | 03.44 | 4.45 |
| PKiKP | 18 | 44.84 | 1.93 | sPdiff | 15 | 21.99 | 4.45 | sPdiff | 16 | 05.18 | 4.45 | sPdiff | 17 | 02.78 | 4.45 |
| PP | 19 | 48.91 | 7.02 | PKPdf | 18 | 31.11 | 1.92 | PKPdf | 18 | 07.25 | 1.92 | PKPdf | 17 | 35.64 | 1.92 |
| SKPdf | 22 | 21.52 | 1.92 | PKiKP | 18 | 31.12 | 1.93 | PKiKP | 18 | 07.25 | 1.93 | PKiKP | 17 | 35.65 | 1.94 |
| PKSdf | 22 | 21.52 | 1.92 | pPKPdf | 18 | 58.56 | 1.92 | PP | 19 | 16.31 | 6.95 | PP | 18 | 51.31 | 6.87 |
| SKiKP | 22 | 21.64 | 1.96 | pPKiKP | 18 | 58.56 | 1.93 | pPKPdf | 19 | 22.42 | 1.92 | pPKiKP | 19 | 54.03 | 1.92 |
| SKSac | 25 | 36.08 | 3.75 | sPKPdf | 19 | 08.93 | 1.92 | pPKiKP | 19 | 22.42 | 1.93 | SKPdf | 20 | 14.82 | 1.92 |
| SKSdf | 25 | 58.18 | 1.91 | sPKiKP | 19 | 08.94 | 1.93 | sPKPdf | 19 | 52.76 | 1.92 | SKiKP | 20 | 14.97 | 1.97 |
| SKKSac | 26 | 51.57 | 6.69 | PP | 19 | 36.66 | 7.00 | sPKiKP | 19 | 52.76 | 1.93 | sPKPdf | 20 | 51.53 | 1.92 |
| Sdiff | 27 | 36.31 | 8.34 | SKPdf | 21 | 57.42 | 1.92 | SKPdf | 21 | 13.60 | 1.92 | sPKiKP | 20 | 51.53 | 1.93 |
| PKKPbc | 29 | 15.24 | -3.49 | SKiKP | 21 | 57.55 | 1.96 | SKiKP | 21 | 13.73 | 1.97 | PKSdf | 21 | 12.32 | 1.92 |
| PKKPab | 29 | 20.17 | -4.40 | PKSdf | 22 | 07.80 | 1.92 | PKSdf | 21 | 43.93 | 1.92 | SKSac | 23 | 30.69 | 3.68 |
| SP | 29 | 30.08 | 9.11 | SKSac | 25 | 12.16 | 3.74 | SKSac | 24 | 28.74 | 3.72 | SKSdf | 23 | 51.47 | 1.91 |
| PS | 29 | 30.08 | 9.11 | SKSdf | 25 | 34.08 | 1.91 | SKSdf | 24 | 50.25 | 1.91 | SKKSac | 24 | 50.23 | 6.63 |
| PKKPdf | 29 | 40.51 | -1.89 | pSKSac | 25 | 49.48 | 3.77 | SKKSac | 25 | 46.01 | 6.67 | Sdiff | 25 | 38.41 | 8.34 |
| SKKPbc | 33 | 02.27 | -3.08 | sSKSac | 25 | 60.00 | 3.76 | pSKSac | 26 | 12.56 | 3.81 | pSKSac | 26 | 42.65 | 3.88 |
| PKKSbc | 33 | 02.27 | -3.08 | pSKSdf | 26 | 11.90 | 1.91 | Sdiff | 26 | 32.22 | 8.34 | pSKSdf | 27 | 07.38 | 1.91 |
| PKKSdf | 33 | 16.98 | -1.87 | sSKSdf | 26 | 22.27 | 1.91 | pSKSdf | 26 | 35.77 | 1.91 | SP | 27 | 33.95 | 9.02 |
| SKKPdf | 33 | 16.98 | -1.87 | SKKSac | 26 | 28.20 | 6.69 | sSKSac | 26 | 43.41 | 3.78 | sSKSac | 27 | 41.40 | 3.82 |
| SS | 35 | 51.87 | 13.09 | Sdiff | 27 | 13.38 | 8.34 | sSKSdf | 27 | 06.10 | 1.91 | sSKSdf | 28 | 04.87 | 1.91 |
| SKKSac | 36 | 45.99 | -2.81 | pSdiff | 27 | 47.83 | 8.34 | pSdiff | 28 | 06.32 | 8.34 | PKKPbc | 28 | 08.02 | -3.42 |
| SKKSdf | 36 | 53.35 | -1.85 | sSdiff | 27 | 59.24 | 8.34 | SP | 28 | 26.78 | 9.07 | PKKPab | 28 | 14.82 | -4.42 |
| P'P'df | 37 | 52.75 | -1.92 | PKKPbc | 29 | 01.77 | -3.48 | PKKPbc | 28 | 38.52 | -3.46 | pSdiff | 28 | 27.26 | 8.34 |
| S'S'ac | 51 | 54.74 | -3.35 | PKKPab | 29 | 06.94 | -4.40 | sSdiff | 28 | 40.39 | 8.34 | PKKPdf | 28 | 31.29 | -1.88 |
| S'S'df | 52 | 19.17 | -1.89 | SP | 29 | 07.39 | 9.10 | PKKPab | 28 | 44.24 | -4.41 | PS | 28 | 43.07 | 8.87 |
| | | | | PS | 29 | 19.06 | 9.09 | PS | 29 | 01.76 | 9.02 | sSdiff | 29 | 34.20 | 8.34 |
| | | | | PKKPdf | 29 | 26.79 | -1.89 | PKKPdf | 29 | 02.91 | -1.89 | SKKPbc | 30 | 56.31 | -3.05 |
| | | | | SKKPbc | 32 | 38.27 | -3.07 | SKKPbc | 31 | 54.67 | -3.06 | SKKPdf | 31 | 10.26 | -1.87 |
| | | | | PKKSbc | 32 | 48.72 | -3.07 | SKKPdf | 32 | 09.04 | -1.87 | PKKSbc | 31 | 54.42 | -3.03 |
| | | | | SKKPdf | 32 | 52.88 | -1.87 | PKKSbc | 32 | 25.27 | -3.06 | PKKSdf | 32 | 07.73 | -1.87 |
| | | | | PKKSdf | 33 | 03.25 | -1.87 | PKKSdf | 32 | 39.37 | -1.87 | SS | 34 | 08.69 | 12.86 |
| | | | | SS | 35 | 30.87 | 13.06 | SS | 34 | 54.15 | 12.99 | SKKSac | 34 | 39.83 | -2.79 |
| | | | | SKKSac | 36 | 21.96 | -2.80 | SKKSac | 35 | 38.30 | -2.80 | SKKSdf | 34 | 46.62 | -1.85 |
| | | | | SKKSdf | 36 | 29.25 | -1.85 | SKKSdf | 35 | 45.41 | -1.85 | P'P'df | 36 | 43.55 | -1.92 |
| | | | | P'P'df | 37 | 39.02 | -1.92 | P'P'df | 37 | 15.16 | -1.92 | S'S'ac | 49 | 49.00 | -3.32 |
| | | | | S'S'ac | 51 | 30.77 | -3.34 | S'S'ac | 50 | 47.24 | -3.34 | S'S'df | 50 | 12.46 | -1.89 |
| | | | | S'S'df | 51 | 55.08 | -1.89 | S'S'df | 51 | 11.24 | -1.89 | | | | |

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 15 | 07.06 | 4.45 | Pdiff | 14 | 53.84 | 4.45 | Pdiff | 14 | 31.17 | 4.45 | Pdiff | 14 | 01.79 | 4.45 |
| PKPdf | 18 | 48.68 | 1.92 | pPdiff | 15 | 20.29 | 4.45 | pPdiff | 15 | 42.96 | 4.45 | pPdiff | 16 | 12.34 | 4.45 |
| PKiKP | 18 | 48.71 | 1.94 | sPdiff | 15 | 30.88 | 4.45 | sPdiff | 16 | 14.07 | 4.45 | sPdiff | 17 | 11.67 | 4.45 |
| PP | 20 | 02.87 | 6.94 | PKPdf | 18 | 34.96 | 1.92 | PKPdf | 18 | 11.10 | 1.92 | PKPdf | 17 | 39.49 | 1.92 |
| SKPdf | 22 | 25.36 | 1.92 | PKiKP | 18 | 34.99 | 1.94 | PKiKP | 18 | 11.13 | 1.95 | PKiKP | 17 | 39.54 | 1.95 |
| PKSdf | 22 | 25.36 | 1.92 | pPKPdf | 19 | 02.41 | 1.92 | pPKPdf | 19 | 26.27 | 1.92 | PP | 19 | 04.98 | 6.80 |
| SKiKP | 22 | 25.58 | 1.98 | pPKiKP | 19 | 02.43 | 1.94 | pPKiKP | 19 | 26.29 | 1.94 | pPKPdf | 19 | 57.88 | 1.92 |
| SKSac | 25 | 43.44 | 3.61 | sPKPdf | 19 | 12.78 | 1.92 | PP | 19 | 30.15 | 6.88 | pPKiKP | 19 | 57.89 | 1.94 |
| SKSdf | 26 | 01.99 | 1.91 | sPKiKP | 19 | 12.81 | 1.94 | sPKPdf | 19 | 56.61 | 1.92 | SKPdf | 20 | 18.66 | 1.92 |
| SKKSac | 27 | 04.89 | 6.62 | PP | 19 | 50.58 | 6.92 | sPKiKP | 19 | 56.63 | 1.94 | SKiKP | 20 | 18.92 | 1.98 |
| Sdiff | 27 | 52.99 | 8.34 | SKPdf | 22 | 01.26 | 1.92 | SKPdf | 21 | 17.44 | 1.92 | sPKPdf | 20 | 55.38 | 1.92 |
| PKKPbc | 29 | 08.15 | -3.59 | SKiKP | 22 | 01.49 | 1.98 | SKiKP | 21 | 17.67 | 1.98 | sPKiKP | 20 | 55.40 | 1.94 |
| PKKPab | 29 | 11.39 | -4.38 | PKSdf | 22 | 11.64 | 1.92 | PKSdf | 21 | 47.77 | 1.92 | PKSdf | 21 | 16.16 | 1.92 |
| PKKPdf | 29 | 36.74 | -1.89 | SKSac | 25 | 19.51 | 3.61 | SKSac | 24 | 36.05 | 3.59 | SKSac | 23 | 37.93 | 3.55 |
| SP | 29 | 48.23 | 9.04 | SKSdf | 25 | 37.90 | 1.91 | SKSdf | 24 | 54.07 | 1.91 | SKSdf | 23 | 55.29 | 1.90 |
| PS | 29 | 48.23 | 9.04 | pSKSac | 25 | 56.88 | 3.63 | SKKSac | 25 | 59.27 | 6.60 | SKKSac | 25 | 03.43 | 6.56 |
| PKKSbc | 32 | 56.06 | -3.14 | sSKSac | 26 | 07.38 | 3.62 | pSKSac | 26 | 20.03 | 3.67 | Sdiff | 25 | 55.09 | 8.34 |
| SKKPbc | 32 | 56.06 | -3.14 | pSKSdf | 26 | 15.72 | 1.91 | pSKSdf | 26 | 39.59 | 1.91 | pSKSac | 26 | 50.27 | 3.74 |
| PKKSdf | 33 | 13.23 | -1.88 | sSKSdf | 26 | 26.09 | 1.91 | Sdiff | 26 | 48.90 | 8.34 | pSKSdf | 27 | 11.20 | 1.91 |
| SKKPdf | 33 | 13.23 | -1.88 | SKKSac | 26 | 41.50 | 6.62 | sSKSac | 26 | 50.83 | 3.64 | sSKSac | 27 | 48.90 | 3.68 |
| SS | 36 | 17.93 | 12.98 | Sdiff | 27 | 30.06 | 8.34 | sSKSdf | 27 | 09.92 | 1.91 | SP | 27 | 51.90 | 8.93 |
| SKKSac | 36 | 40.32 | -2.86 | pSdiff | 28 | 04.51 | 8.34 | pSdiff | 28 | 23.00 | 8.34 | PKKPbc | 28 | 01.10 | -3.51 |
| SKKSdf | 36 | 49.64 | -1.86 | sSdiff | 28 | 15.92 | 8.34 | PKKPbc | 28 | 31.51 | -3.55 | PKKPab | 28 | 06.00 | -4.40 |
| P'P'df | 37 | 48.91 | -1.92 | PKKPbc | 28 | 54.71 | -3.58 | PKKPab | 28 | 35.44 | -4.39 | sSKSdf | 28 | 08.70 | 1.91 |
| S'S'ac | 51 | 47.97 | -3.42 | PKKPab | 28 | 58.15 | -4.38 | SP | 28 | 44.85 | 8.99 | PKKPdf | 28 | 27.51 | -1.89 |
| S'S'df | 52 | 15.39 | -1.89 | PKKPdf | 29 | 23.01 | -1.89 | sSdiff | 28 | 57.07 | 8.34 | pSdiff | 28 | 43.94 | 8.34 |
| | | | | SP | 29 | 25.51 | 9.03 | PKKPdf | 28 | 59.14 | -1.89 | PS | 29 | 00.74 | 8.81 |
| | | | | PS | 29 | 37.16 | 9.01 | PS | 29 | 19.72 | 8.93 | sSdiff | 29 | 50.88 | 8.34 |
| | | | | SKKPbc | 32 | 32.07 | -3.14 | SKKPbc | 31 | 48.48 | -3.13 | SKKPbc | 30 | 50.15 | -3.11 |
| | | | </ | | | | | | | | | | | | |

ak135

- 61 -

Delta : 120.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 15 | 15.96 | 4.45 | Pdiff | 15 | 02.73 | 4.45 | Pdiff | 14 | 40.06 | 4.45 | Pdiff | 14 | 10.68 | 4.45 |
| PKPdf | 18 | 52.53 | 1.92 | pPdiff | 15 | 29.18 | 4.45 | pPdiff | 15 | 51.85 | 4.45 | pPdiff | 16 | 21.23 | 4.45 |
| PKiKP | 18 | 52.61 | 1.96 | sPdiff | 15 | 39.77 | 4.45 | sPdiff | 16 | 22.96 | 4.45 | sPdiff | 17 | 20.57 | 4.45 |
| PP | 20 | 16.68 | 6.87 | PKPdf | 18 | 38.81 | 1.92 | PKPdf | 18 | 14.94 | 1.92 | PKPdf | 17 | 43.33 | 1.92 |
| SKPdf | 22 | 29.19 | 1.91 | PKiKP | 18 | 38.89 | 1.96 | PKiKP | 18 | 15.04 | 1.96 | PKiKP | 17 | 43.45 | 1.96 |
| PKSdf | 22 | 29.19 | 1.91 | pPKPdf | 19 | 06.26 | 1.92 | pPKPdf | 19 | 30.12 | 1.92 | PP | 19 | 18.51 | 6.73 |
| SKiKP | 22 | 29.55 | 1.99 | pPKiKP | 19 | 06.33 | 1.96 | pPKiKP | 19 | 30.19 | 1.95 | pPKPdf | 20 | 01.73 | 1.92 |
| SKSac | 25 | 50.54 | 3.48 | sPKPdf | 19 | 16.63 | 1.92 | PP | 19 | 43.84 | 6.81 | pPKiKP | 20 | 01.78 | 1.95 |
| SKSdf | 26 | 05.80 | 1.90 | sPKiKP | 19 | 16.71 | 1.96 | sPKPdf | 20 | 00.45 | 1.92 | SKPdf | 20 | 22.49 | 1.91 |
| SKKSac | 27 | 18.07 | 6.55 | PP | 20 | 04.36 | 6.85 | sPKiKP | 20 | 00.53 | 1.95 | SKiKP | 20 | 22.88 | 1.99 |
| Sdiff | 28 | 09.67 | 8.34 | SKPdf | 22 | 05.10 | 1.91 | SKPdf | 21 | 21.27 | 1.91 | sPKPdf | 20 | 59.23 | 1.92 |
| PKKPbc | 29 | 00.87 | -3.70 | SKiKP | 22 | 05.45 | 1.99 | SKiKP | 21 | 21.64 | 1.99 | sPKiKP | 20 | 59.29 | 1.95 |
| PKKPab | 29 | 02.66 | -4.35 | PKSdf | 22 | 15.47 | 1.91 | PKSdf | 21 | 51.60 | 1.91 | PKSdf | 21 | 20.00 | 1.91 |
| PKKPdf | 29 | 32.95 | -1.90 | SKSac | 25 | 26.59 | 3.47 | SKSac | 24 | 43.09 | 3.46 | SKSac | 23 | 44.91 | 3.42 |
| SP | 30 | 06.22 | 8.95 | SKSdf | 25 | 41.70 | 1.90 | SKSdf | 24 | 57.87 | 1.90 | SKSdf | 23 | 59.09 | 1.90 |
| PS | 30 | 06.22 | 8.95 | pSKSac | 26 | 04.00 | 3.50 | SKKSac | 26 | 12.40 | 6.53 | SKKSac | 25 | 16.48 | 6.49 |
| PKKSbc | 32 | 49.71 | -3.20 | sSKSac | 26 | 14.49 | 3.49 | pSKSac | 26 | 27.23 | 3.53 | Sdiff | 26 | 11.77 | 8.34 |
| SKKPbc | 32 | 49.71 | -3.20 | pSKSdf | 26 | 19.53 | 1.90 | pSKSdf | 26 | 43.40 | 1.90 | pSKSac | 26 | 57.61 | 3.60 |
| PKKSdf | 33 | 09.47 | -1.88 | sSKSdf | 26 | 29.90 | 1.90 | sSKSac | 26 | 57.98 | 3.51 | pSKSdf | 27 | 15.01 | 1.90 |
| SKKPdf | 33 | 09.47 | -1.88 | SKKSac | 26 | 54.66 | 6.55 | Sdiff | 27 | 05.59 | 8.34 | PKKPbc | 27 | 53.99 | -3.60 |
| SKKSac | 36 | 34.54 | -2.92 | Sdiff | 27 | 46.74 | 8.34 | sSKSdf | 27 | 13.73 | 1.90 | sSKSac | 27 | 56.12 | 3.54 |
| SS | 36 | 43.77 | 12.87 | pSdiff | 28 | 21.19 | 8.34 | PKKPbc | 28 | 24.30 | -3.66 | PKKPab | 27 | 57.21 | -4.38 |
| SKKSdf | 36 | 45.91 | -1.87 | sSdiff | 28 | 32.60 | 8.34 | PKKPab | 28 | 26.68 | -4.36 | SP | 28 | 09.69 | 8.86 |
| P'P'df | 37 | 45.06 | -1.92 | PKKPbc | 28 | 47.45 | -3.69 | pSdiff | 28 | 39.68 | 8.34 | sSKSdf | 28 | 12.51 | 1.90 |
| S'S'ac | 51 | 41.08 | -3.48 | PKKPab | 28 | 49.41 | -4.35 | PKKPdf | 28 | 55.35 | -1.90 | PKKPdf | 28 | 23.73 | -1.89 |
| S'S'df | 52 | 11.60 | -1.90 | PKKPdf | 29 | 19.22 | -1.90 | SP | 29 | 02.75 | 8.91 | pSdiff | 29 | 00.62 | 8.34 |
| | | | | SP | 29 | 43.48 | 8.94 | sSdiff | 29 | 13.75 | 8.34 | PS | 29 | 18.32 | 8.77 |
| | | | | PS | 29 | 55.09 | 8.92 | PS | 29 | 37.52 | 8.87 | sSdiff | 30 | 07.56 | 8.34 |
| | | | | SKKPbc | 32 | 25.73 | -3.20 | SKKPbc | 31 | 42.16 | -3.19 | SKKPbc | 30 | 43.85 | -3.18 |
| | | | | PKKSbc | 32 | 36.19 | -3.20 | SKKPdf | 32 | 01.54 | -1.88 | SKKPdf | 31 | 02.75 | -1.88 |
| | | | | SKKPdf | 32 | 45.37 | -1.88 | PKKSbc | 32 | 12.80 | -3.18 | PKKSbc | 31 | 42.05 | -3.15 |
| | | | | PKKSdf | 32 | 55.74 | -1.88 | PKKSdf | 32 | 31.86 | -1.88 | PKKSdf | 32 | 00.24 | -1.88 |
| | | | | SKKSac | 36 | 10.53 | -2.91 | SKKSac | 35 | 26.89 | -2.91 | SKKSac | 34 | 28.46 | -2.90 |
| | | | | SKKSdf | 36 | 21.81 | -1.87 | SKKSdf | 35 | 37.98 | -1.87 | SKKSdf | 34 | 39.19 | -1.87 |
| | | | | SS | 36 | 22.66 | 12.84 | SS | 35 | 45.67 | 12.77 | SS | 34 | 59.69 | 12.64 |
| | | | | P'P'df | 37 | 31.34 | -1.92 | P'P'df | 37 | 07.47 | -1.92 | P'P'df | 36 | 35.87 | -1.92 |
| | | | | S'S'ac | 51 | 17.12 | -3.48 | S'S'ac | 50 | 33.63 | -3.47 | S'S'ac | 49 | 35.46 | -3.45 |
| | | | | S'S'df | 51 | 47.50 | -1.90 | S'S'df | 51 | 03.67 | -1.90 | S'S'df | 50 | 04.89 | -1.90 |

ak135

- 62 -

Delta : 122.0

| 0. | | | 100. | | | 300. | | | 600. | | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|------|-------|-------|--------|----|-------|-------|
| depth | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 15 | 24.85 | 4.45 | Pdiff | 15 | 11.62 | 4.45 | Pdiff | 14 | 48.95 | 4.45 | Pdiff | 14 | 19.58 | 4.45 |
| PKPdf | 18 | 56.37 | 1.92 | pPdiff | 15 | 38.07 | 4.45 | pPdiff | 16 | 00.74 | 4.45 | pPdiff | 16 | 30.12 | 4.45 |
| PKiKP | 18 | 56.54 | 1.97 | sPdiff | 15 | 48.67 | 4.45 | sPdiff | 16 | 31.85 | 4.45 | sPdiff | 17 | 29.46 | 4.45 |
| PP | 20 | 30.35 | 6.80 | PKPdf | 18 | 42.65 | 1.92 | PKPdf | 18 | 18.79 | 1.92 | PKPdf | 17 | 47.18 | 1.92 |
| SKPdf | 22 | 33.02 | 1.91 | PKiKP | 18 | 42.82 | 1.97 | PKiKP | 18 | 18.97 | 1.97 | PKiKP | 17 | 47.38 | 1.97 |
| PKSdf | 22 | 33.02 | 1.91 | pPKPdf | 19 | 10.10 | 1.92 | pPKPdf | 19 | 33.96 | 1.92 | PP | 19 | 31.89 | 6.66 |
| SKiKP | 22 | 33.53 | 2.00 | pPKiKP | 19 | 10.25 | 1.97 | pPKiKP | 19 | 34.11 | 1.97 | pPKPdf | 20 | 05.57 | 1.92 |
| SKSac | 25 | 57.37 | 3.35 | sPKPdf | 19 | 20.47 | 1.92 | PP | 19 | 57.38 | 6.74 | pPKiKP | 20 | 05.69 | 1.96 |
| SKSdf | 26 | 09.59 | 1.89 | sPKiKP | 19 | 20.63 | 1.97 | sPKPdf | 20 | 04.30 | 1.92 | SKPdf | 20 | 26.32 | 1.91 |
| SKKSac | 27 | 31.11 | 6.48 | PP | 20 | 17.99 | 6.78 | sPKiKP | 20 | 04.45 | 1.97 | SKiKP | 20 | 26.87 | 2.00 |
| Sdiff | 28 | 26.35 | 8.34 | SKPdf | 22 | 08.92 | 1.91 | SKPdf | 21 | 25.09 | 1.91 | sPKPdf | 21 | 03.07 | 1.92 |
| PKKPbc | 28 | 53.34 | -3.83 | SKiKP | 22 | 09.44 | 2.00 | SKiKP | 21 | 25.62 | 2.00 | sPKiKP | 21 | 03.21 | 1.97 |
| PKKPab | 28 | 54.02 | -4.29 | PKSdf | 22 | 19.29 | 1.91 | PKSdf | 21 | 55.43 | 1.91 | PKSdf | 21 | 23.81 | 1.91 |
| PKKPdf | 29 | 29.15 | -1.90 | SKSac | 25 | 33.40 | 3.34 | SKSac | 24 | 49.87 | 3.32 | SKSac | 23 | 51.62 | 3.29 |
| SP | 30 | 24.05 | 8.88 | SKSdf | 25 | 45.49 | 1.89 | SKSdf | 25 | 01.66 | 1.89 | SKSdf | 24 | 02.88 | 1.89 |
| PS | 30 | 24.05 | 8.88 | pSKSac | 26 | 10.86 | 3.36 | SKKSac | 26 | 25.38 | 6.46 | SKKSac | 25 | 29.40 | 6.42 |
| PKKSbc | 32 | 43.24 | -3.27 | sSKSac | 26 | 21.33 | 3.36 | pSKSac | 26 | 34.16 | 3.40 | Sdiff | 26 | 28.45 | 8.34 |
| SKKPbc | 32 | 43.24 | -3.27 | pSKSdf | 26 | 23.32 | 1.89 | pSKSdf | 26 | 47.19 | 1.89 | pSKSac | 27 | 04.67 | 3.46 |
| PKKSdf | 33 | 05.69 | -1.89 | sSKSdf | 26 | 33.69 | 1.89 | sSKSac | 27 | 04.86 | 3.37 | pSKSdf | 27 | 18.81 | 1.89 |
| SKKPdf | 33 | 05.69 | -1.89 | SKKSac | 27 | 07.68 | 6.48 | sSKSdf | 27 | 17.52 | 1.89 | PKKPbc | 27 | 46.68 | -3.71 |
| SKKSac | 36 | 28.66 | -2.97 | Sdiff | 28 | 03.42 | 8.34 | Sdiff | 27 | 22.27 | 8.34 | PKKPab | 27 | 48.48 | -4.35 |
| SKKSdf | 36 | 42.17 | -1.87 | pSdiff | 28 | 37.87 | 8.34 | PKKPbc | 28 | 16.88 | -3.77 | sSKSac | 28 | 03.07 | 3.41 |
| SS | 37 | 09.39 | 12.75 | PKKPbc | 28 | 39.96 | -3.81 | PKKPab | 28 | 17.99 | -4.32 | sSKSdf | 28 | 16.30 | 1.89 |
| P'P'df | 37 | 41.22 | -1.92 | PKKPab | 28 | 40.75 | -4.30 | PKKPdf | 28 | 51.55 | -1.90 | PKKPdf | 28 | 19.93 | -1.90 |
| S'S'ac | 51 | 34.05 | -3.55 | sSdiff | 28 | 49.28 | 8.34 | pSdiff | 28 | 56.36 | 8.34 | SP | 28 | 27.36 | 8.81 |
| S'S'df | 52 | 07.80 | -1.90 | PKKPdf | 29 | 15.42 | -1.90 | SP | 29 | 20.51 | 8.85 | pSdiff | 29 | 17.30 | 8.34 |
| | | | | SP | 30 | 01.29 | 8.87 | sSdiff | 29 | 30.43 | 8.34 | PS | 29 | 35.81 | 8.72 |
| | | | | PS | 30 | 12.87 | 8.86 | PS | 29 | 55.19 | 8.81 | sSdiff | 30 | 24.24 | 8.34 |
| | | | | SKKPbc | 32 | 19.26 | -3.27 | SKKPbc | 31 | 35.71 | -3.26 | SKKPbc | 30 | 37.44 | -3.24 |
| | | | | PKKSbc | 32 | 29.73 | -3.26 | SKKPdf | 31 | 57.76 | -1.89 | SKKPdf | 30 | 58.98 | -1.89 |
| | | | | SKKPdf | 32 | 41.59 | -1.89 | PKKSbc | 32 | 06.37 | -3.25 | PKKSbc | 31 | 35.68 | -3.22 |
| | | | | PKKSdf | 32 | 51.97 | -1.89 | PKKSdf | 32 | 28.09 | -1.89 | PKKSdf | 31 | 56.47 | -1.89 |
| | | | | SKKSac | 36 | 04.65 | -2.97 | SKKSac | 35 | 21.02 | -2.96 | SKKSac | 34 | 22.61 | -2.95 |
| | | | | SKKSdf | 36 | 18.07 | -1.87 | SKKSdf | 35 | 34.24 | -1.87 | SKKSdf | 34 | 35.45 | -1.87 |
| | | | | SS | 36 | 48.22 | 12.73 | SS | 36 | 11.10 | 12.66 | SS | 35 | 24.86 | 12.53 |
| | | | | P'P'df | 37 | 27.49 | -1.92 | P'P'df | 37 | 03.63 | -1.92 | P'P'df | 36 | 32.02 | -1.92 |
| | | | | S'S'ac | 51 | 10.10 | -3.54 | S'S'ac | 50 | 26.63 | -3.53 | S'S'ac | 49 | 28.49 | -3.52 |
| | | | | S'S'df | 51 | 43.70 | -1.90 | S'S'df | 50 | 59.87 | -1.90 | S'S'df | 50 | 01.09 | -1.90 |

| 0. | | | 100. | | | 300. | | | 600. | | | | | | |
|---------|----|-------|-------|---------|----|-------|-------|---------|------|-------|-------|---------|----|-------|-------|
| depth | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 15 | 33.74 | 4.45 | Pdiff | 15 | 20.52 | 4.45 | Pdiff | 14 | 57.84 | 4.45 | Pdiff | 14 | 28.47 | 4.45 |
| PKPpdf | 19 | 00.21 | 1.92 | pPdiff | 15 | 46.96 | 4.45 | pPdiff | 16 | 09.63 | 4.45 | pPdiff | 16 | 39.01 | 4.45 |
| PKiKP | 19 | 00.48 | 1.98 | sPdiff | 15 | 57.56 | 4.45 | sPdiff | 16 | 40.75 | 4.45 | sPdiff | 17 | 38.35 | 4.45 |
| PP | 20 | 43.86 | 6.72 | PKPpdf | 18 | 46.49 | 1.92 | PKPpdf | 18 | 22.62 | 1.92 | PKPpdf | 17 | 51.01 | 1.92 |
| SKPpdf | 22 | 36.83 | 1.90 | PKiKP | 18 | 46.77 | 1.98 | PKiKP | 18 | 22.92 | 1.98 | PKiKP | 17 | 51.34 | 1.99 |
| PKSdf | 22 | 36.83 | 1.90 | pPKPpdf | 19 | 13.94 | 1.92 | pPKPpdf | 19 | 37.80 | 1.92 | PP | 19 | 45.14 | 6.59 |
| SKiKP | 22 | 37.54 | 2.01 | pPKiKP | 19 | 14.20 | 1.98 | pPKiKP | 19 | 38.05 | 1.98 | pPKPpdf | 20 | 09.41 | 1.92 |
| SKSac | 26 | 03.93 | 3.21 | sPKPpdf | 19 | 24.31 | 1.92 | sPKPpdf | 20 | 08.14 | 1.92 | pPKiKP | 20 | 09.63 | 1.97 |
| SKSdf | 26 | 13.35 | 1.88 | sPKiKP | 19 | 24.58 | 1.98 | sPKiKP | 20 | 08.40 | 1.98 | SKPpdf | 20 | 30.13 | 1.90 |
| SKKSac | 27 | 44.00 | 6.41 | PP | 20 | 31.47 | 6.71 | PP | 20 | 10.79 | 6.67 | SKiKP | 20 | 30.88 | 2.01 |
| Sdiff | 28 | 43.03 | 8.34 | SKPpdf | 22 | 12.73 | 1.90 | SKPpdf | 21 | 28.90 | 1.90 | sPKPpdf | 21 | 06.91 | 1.92 |
| PKKPbc | 28 | 45.51 | -4.03 | SKiKP | 22 | 13.44 | 2.01 | SKiKP | 21 | 29.63 | 2.01 | sPKiKP | 21 | 07.15 | 1.98 |
| PKKPab | 28 | 45.53 | -4.17 | PKSdf | 22 | 23.10 | 1.90 | PKSdf | 21 | 59.24 | 1.90 | PKSdf | 21 | 27.62 | 1.90 |
| PKKPpdf | 29 | 25.34 | -1.90 | SKSac | 25 | 39.95 | 3.21 | SKSac | 24 | 56.38 | 3.19 | SKSac | 23 | 58.07 | 3.16 |
| SP | 30 | 41.75 | 8.82 | SKSdf | 25 | 49.25 | 1.88 | SKSdf | 25 | 05.42 | 1.88 | SKSdf | 24 | 06.64 | 1.87 |
| PS | 30 | 41.75 | 8.82 | pSKSac | 26 | 17.45 | 3.23 | SKKSac | 26 | 38.23 | 6.39 | SKKSac | 25 | 42.18 | 6.35 |
| PKKSbc | 32 | 36.63 | -3.34 | pSKSdf | 26 | 27.08 | 1.88 | pSKSac | 26 | 40.81 | 3.26 | Sdiff | 26 | 45.14 | 8.34 |
| SKKPbc | 32 | 36.63 | -3.34 | sSKSac | 26 | 27.91 | 3.22 | pSKSdf | 26 | 50.96 | 1.88 | pSKSac | 27 | 11.45 | 3.32 |
| PKKSdf | 33 | 01.91 | -1.89 | sSKSdf | 26 | 37.45 | 1.88 | sSKSac | 27 | 11.47 | 3.24 | pSKSdf | 27 | 22.59 | 1.88 |
| SKKPpdf | 33 | 01.91 | -1.89 | SKKSac | 27 | 20.56 | 6.41 | sSKSdf | 27 | 21.29 | 1.88 | PKKPbc | 27 | 39.14 | -3.84 |
| SKKSac | 36 | 22.66 | -3.02 | Sdiff | 28 | 20.10 | 8.34 | Sdiff | 27 | 38.95 | 8.34 | PKKPab | 27 | 39.83 | -4.30 |
| SKKSdf | 36 | 38.42 | -1.88 | PKKPbc | 28 | 32.17 | -3.99 | PKKPbc | 28 | 09.19 | -3.93 | sSKSac | 28 | 09.74 | 3.27 |
| SS | 37 | 34.79 | 12.64 | PKKPab | 28 | 32.23 | -4.20 | PKKPab | 28 | 09.41 | -4.25 | PKKPpdf | 28 | 16.13 | -1.90 |
| P'P'df | 37 | 37.37 | -1.92 | pSdiff | 28 | 54.55 | 8.34 | PKKPpdf | 28 | 47.75 | -1.90 | sSKSdf | 28 | 20.07 | 1.88 |
| S'S'ac | 51 | 26.89 | -3.61 | sSdiff | 29 | 05.96 | 8.34 | pSdiff | 29 | 13.04 | 8.34 | SP | 28 | 44.94 | 8.76 |
| S'S'df | 52 | 03.99 | -1.91 | sPKKpdf | 29 | 11.62 | -1.90 | SP | 29 | 38.15 | 8.80 | pSdiff | 29 | 33.99 | 8.34 |
| | | | | SP | 30 | 18.97 | 8.82 | sSdiff | 29 | 47.11 | 8.34 | PS | 29 | 53.19 | 8.67 |
| | | | | PS | 30 | 30.54 | 8.81 | PS | 30 | 12.77 | 8.76 | SKKPbc | 30 | 30.88 | -3.31 |
| | | | | SKKPbc | 32 | 12.66 | -3.33 | SKKPbc | 31 | 29.13 | -3.32 | sSdiff | 30 | 40.93 | 8.34 |
| | </ | | | | | | | | | | | | | | |

ak135

- 64 -

Delta : 126.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 15 | 42.63 | 4.45 | Pdiff | 15 | 29.41 | 4.45 | Pdiff | 15 | 06.74 | 4.45 | Pdiff | 14 | 37.36 | 4.45 |
| PKPdf | 19 | 04.04 | 1.91 | pPdiff | 15 | 55.85 | 4.45 | pPdiff | 16 | 18.52 | 4.45 | pPdiff | 16 | 47.90 | 4.45 |
| PKiKP | 19 | 04.46 | 1.99 | sPdiff | 16 | 06.45 | 4.45 | sPdiff | 16 | 49.64 | 4.45 | sPdiff | 17 | 47.24 | 4.45 |
| PP | 20 | 57.24 | 6.65 | PKPdf | 18 | 50.32 | 1.91 | PKPdf | 18 | 26.45 | 1.91 | PKPdf | 17 | 54.83 | 1.91 |
| PKSdf | 22 | 40.63 | 1.89 | PKiKP | 18 | 50.74 | 1.99 | PKiKP | 18 | 26.90 | 1.99 | PKiKP | 17 | 55.32 | 2.00 |
| SKPdf | 22 | 40.63 | 1.89 | pPKPdf | 19 | 17.77 | 1.91 | pPKPdf | 19 | 41.63 | 1.91 | PP | 19 | 58.25 | 6.52 |
| SKiKP | 22 | 41.56 | 2.02 | pPKiKP | 19 | 18.17 | 1.99 | pPKiKP | 19 | 42.02 | 1.99 | pPKPdf | 20 | 13.24 | 1.91 |
| SKSac | 26 | 10.23 | 3.08 | sPKPdf | 19 | 28.14 | 1.91 | sPKPdf | 20 | 11.97 | 1.91 | pPKiKP | 20 | 13.59 | 1.99 |
| SKSdf | 26 | 17.09 | 1.86 | sPKiKP | 19 | 28.55 | 1.99 | sPKiKP | 20 | 12.36 | 1.99 | SKPdf | 20 | 33.92 | 1.89 |
| SKKSac | 27 | 56.76 | 6.34 | PP | 20 | 44.81 | 6.63 | PP | 20 | 24.05 | 6.60 | SKiKP | 20 | 34.91 | 2.02 |
| Sdiff | 28 | 59.71 | 8.34 | SKPdf | 22 | 16.53 | 1.89 | SKPdf | 21 | 32.70 | 1.89 | sPKPdf | 21 | 10.74 | 1.91 |
| PKKPdf | 29 | 21.53 | -1.91 | SKiKP | 22 | 17.47 | 2.02 | SKiKP | 21 | 33.66 | 2.02 | sPKiKP | 21 | 11.12 | 1.99 |
| PS | 30 | 59.35 | 8.77 | PKSdf | 22 | 26.90 | 1.89 | PKSdf | 22 | 03.03 | 1.89 | PKSdf | 21 | 31.41 | 1.89 |
| SP | 30 | 59.35 | 8.77 | SKSac | 25 | 46.23 | 3.08 | SKSac | 25 | 02.63 | 3.06 | SKSac | 24 | 04.26 | 3.03 |
| SKKPbc | 32 | 29.89 | -3.41 | SKSdf | 25 | 52.99 | 1.86 | SKSdf | 25 | 09.16 | 1.86 | SKSdf | 24 | 10.37 | 1.86 |
| PKKSbc | 32 | 29.89 | -3.41 | pSKSac | 26 | 23.77 | 3.10 | pSKSac | 26 | 47.20 | 3.13 | SKKSac | 25 | 54.81 | 6.28 |
| PKKSdf | 32 | 58.12 | -1.90 | pSKSdf | 26 | 30.82 | 1.86 | SKKSac | 26 | 50.93 | 6.32 | Sdiff | 27 | 01.82 | 8.34 |
| SKKPdf | 32 | 58.12 | -1.90 | sSKSac | 26 | 34.22 | 3.09 | pSKSdf | 26 | 54.70 | 1.87 | pSKSac | 27 | 17.96 | 3.18 |
| SKKSac | 36 | 16.56 | -3.08 | sSKSdf | 26 | 41.19 | 1.86 | sSKSac | 27 | 17.82 | 3.11 | pSKSdf | 27 | 26.34 | 1.87 |
| SKKSdf | 36 | 34.65 | -1.89 | SKKSac | 27 | 33.30 | 6.33 | sSKSdf | 27 | 25.03 | 1.86 | PKKPbc | 27 | 31.29 | -4.03 |
| P'P'df | 37 | 33.52 | -1.92 | Sdiff | 28 | 36.78 | 8.34 | Sdiff | 27 | 55.63 | 8.34 | PKKPab | 27 | 31.32 | -4.18 |
| SS | 37 | 59.95 | 12.53 | PKKPdf | 29 | 07.80 | -1.91 | PKKPdf | 28 | 43.94 | -1.91 | PKKPdf | 28 | 12.32 | -1.91 |
| S'S'ac | 40 | 45.44 | 7.59 | pSdiff | 29 | 11.23 | 8.34 | pSdiff | 29 | 29.72 | 8.34 | sSKSac | 28 | 16.15 | 3.14 |
| S'S'ac | 51 | 19.59 | -3.68 | sSdiff | 29 | 22.64 | 8.34 | SP | 29 | 55.70 | 8.75 | sSKSdf | 28 | 23.82 | 1.87 |
| S'S'df | 52 | 00.17 | -1.91 | SP | 30 | 36.55 | 8.77 | sSdiff | 30 | 03.79 | 8.34 | SP | 29 | 02.41 | 8.71 |
| | | | | PS | 30 | 48.10 | 8.76 | PS | 30 | 30.25 | 8.71 | pSdiff | 29 | 50.67 | 8.34 |
| | | | | SKKPbc | 32 | 05.93 | -3.40 | SKKPbc | 31 | 22.41 | -3.39 | PS | 30 | 10.47 | 8.61 |
| | | | | PKKSbc | 32 | 16.41 | -3.40 | SKKPdf | 31 | 50.19 | -1.90 | SKKPbc | 30 | 24.20 | -3.38 |
| | | | | SKKPdf | 32 | 34.02 | -1.90 | PKKSbc | 31 | 53.11 | -3.38 | SKKPdf | 30 | 51.41 | -1.90 |
| | | | | PKKSdf | 32 | 44.39 | -1.90 | PKKSdf | 32 | 20.52 | -1.90 | sSdiff | 30 | 57.61 | 8.34 |
| | | | | SKKSac | 35 | 52.56 | -3.08 | SKKSac | 35 | 08.96 | -3.07 | PKKSbc | 31 | 22.55 | -3.35 |
| | | | | SKKSdf | 36 | 10.55 | -1.89 | SKKSdf | 35 | 26.72 | -1.89 | PKKSdf | 31 | 48.90 | -1.90 |
| | | | | P'P'df | 37 | 19.80 | -1.92 | P'P'df | 36 | 55.94 | -1.92 | SKKSac | 34 | 10.60 | -3.06 |
| | | | | SS | 37 | 38.67 | 12.50 | SS | 37 | 01.29 | 12.43 | SKKSdf | 34 | 27.94 | -1.89 |
| | | | | S'S'ac | 40 | 22.29 | 7.59 | S'S'ac | 39 | 40.64 | 7.59 | SS | 36 | 14.53 | 12.31 |
| | | | | S'S'ac | 50 | 55.66 | -3.68 | S'S'ac | 50 | 12.22 | -3.67 | P'P'df | 36 | 24.33 | -1.92 |
| | | | | S'S'df | 51 | 36.07 | -1.91 | S'S'df | 50 | 52.25 | -1.91 | S'S'ac | 38 | 45.90 | 7.59 |
| | | | | | | | | | | | | S'S'ac | 49 | 14.16 | -3.65 |
| | | | | | | | | | | | | S'S'df | 49 | 53.47 | -1.91 |

ak135

- 65 -

Delta : 128.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 15 | 51.52 | 4.45 | Pdiff | 15 | 38.30 | 4.45 | Pdiff | 15 | 15.63 | 4.45 | Pdiff | 14 | 46.25 | 4.45 |
| PKPdf | 19 | 07.86 | 1.91 | pPdiff | 16 | 04.74 | 4.45 | pPdiff | 16 | 27.42 | 4.45 | pPdiff | 16 | 56.79 | 4.45 |
| PKiKP | 19 | 08.45 | 2.00 | sPdiff | 16 | 15.34 | 4.45 | sPdiff | 16 | 58.53 | 4.45 | sPdiff | 17 | 56.13 | 4.45 |
| PP | 21 | 10.46 | 6.58 | PKPdf | 18 | 54.13 | 1.91 | PKPdf | 18 | 30.27 | 1.91 | PKPdf | 17 | 58.65 | 1.90 |
| PKSdf | 22 | 44.41 | 1.88 | PKiKP | 18 | 54.73 | 2.00 | PKiKP | 18 | 30.89 | 2.00 | PKiKP | 17 | 59.33 | 2.01 |
| SKPdf | 22 | 44.41 | 1.88 | pPKPdf | 19 | 21.59 | 1.91 | pPKPdf | 19 | 45.45 | 1.91 | PP | 20 | 11.22 | 6.45 |
| SKiKP | 22 | 45.60 | 2.02 | pPKiKP | 19 | 22.16 | 2.00 | pPKiKP | 19 | 46.00 | 2.00 | pPKPdf | 20 | 17.07 | 1.91 |
| SKSac | 26 | 16.26 | 2.95 | sPKPdf | 19 | 31.96 | 1.91 | sPKPdf | 20 | 15.79 | 1.91 | pPKiKP | 20 | 17.57 | 2.00 |
| SKSdf | 26 | 20.80 | 1.84 | sPKiKP | 19 | 32.54 | 2.00 | sPKiKP | 20 | 16.35 | 2.00 | SKPdf | 20 | 37.69 | 1.88 |
| SKKSac | 28 | 09.37 | 6.27 | PP | 20 | 58.01 | 6.56 | PP | 20 | 37.17 | 6.52 | SKiKP | 20 | 38.96 | 2.03 |
| Sdiff | 29 | 16.39 | 8.34 | SKPdf | 22 | 20.31 | 1.88 | SKPdf | 21 | 36.47 | 1.88 | sPKPdf | 21 | 14.56 | 1.91 |
| PKKPdf | 29 | 17.71 | -1.91 | SKiKP | 22 | 21.51 | 2.02 | SKiKP | 21 | 37.70 | 2.02 | sPKiKP | 21 | 15.10 | 2.00 |
| PS | 31 | 16.85 | 8.72 | PKSdf | 22 | 30.68 | 1.88 | PKSdf | 22 | 06.80 | 1.88 | PKSdf | 21 | 35.17 | 1.88 |
| SP | 31 | 16.85 | 8.72 | SKSac | 25 | 52.25 | 2.94 | SKSac | 25 | 08.62 | 2.93 | SKSac | 24 | 10.19 | 2.90 |
| SKKPbc | 32 | 23.01 | -3.47 | SKSdf | 25 | 56.70 | 1.84 | SKSdf | 25 | 12.86 | 1.84 | SKSdf | 24 | 14.07 | 1.84 |
| PKKSbc | 32 | 23.01 | -3.47 | pSKSac | 26 | 29.83 | 2.96 | pSKSac | 26 | 53.32 | 2.99 | SKKSac | 26 | 07.31 | 6.21 |
| PKKSdf | 32 | 54.31 | -1.90 | pSKSdf | 26 | 34.53 | 1.84 | pSKSdf | 26 | 58.42 | 1.85 | Sdiff | 27 | 18.50 | 8.34 |
| SKKPdf | 32 | 54.31 | -1.90 | sSKSac | 26 | 40.27 | 2.96 | SKKSac | 27 | 03.49 | 6.25 | pSKSac | 27 | 24.19 | 3.05 |
| SKKSac | 36 | 10.34 | -3.13 | sSKSdf | 26 | 44.90 | 1.84 | sSKSac | 27 | 23.90 | 2.97 | pSKSdf | 27 | 30.06 | 1.85 |
| SKKSdf | 36 | 30.87 | -1.89 | SKKSac | 27 | 45.90 | 6.26 | sSKSdf | 27 | 28.74 | 1.85 | PKKPdf | 28 | 08.50 | -1.91 |
| P'P'df | 37 | 29.67 | -1.92 | Sdiff | 28 | 53.46 | 8.34 | Sdiff | 28 | 12.31 | 8.34 | sSKSac | 28 | 22.29 | 3.00 |
| SS | 38 | 24.89 | 12.41 | PKKPdf | 29 | 03.99 | -1.91 | PKKPdf | 28 | 40.12 | -1.91 | sSKSdf | 28 | 27.53 | 1.85 |
| S'S'ac | 41 | 00.62 | 7.59 | pSdiff | 29 | 27.91 | 8.34 | pSdiff | 29 | 46.40 | 8.34 | SP | 29 | 19.78 | 8.66 |
| S'S'ac | 51 | 12.16 | -3.75 | sSdiff | 29 | 39.32 | 8.34 | SP | 30 | 13.14 | 8.70 | pSdiff | 30 | 07.35 | 8.34 |
| S'S'df | 51 | 56.35 | -1.91 | SP | 30 | 54.03 | 8.71 | sSdiff | 30 | 20.48 | 8.34 | SKKPbc | 30 | 17.38 | -3.44 |
| | | | | PS | 31 | 05.57 | 8.71 | PS | 30 | 47.63 | 8.66 | PS | 30 | 27.62 | 8.54 |
| | | | | SKKPbc | 31 | 59.06 | -3.47 | SKKPbc | 31 | 15.56 | -3.46 | SKKPdf | 30 | 47.61 | -1.90 |
| | | | | PKKSbc | 32 | 09.54 | -3.47 | PKKSbc | 31 | 46.28 | -3.45 | sSdiff | 31 | 14.29 | 8.34 |
| | | | | SKKPdf | 32 | 30.22 | -1.90 | SKKPdf | 31 | 46.39 | -1.90 | PKKSbc | 31 | 15.78 | -3.42 |
| | | | | PKKSdf | 32 | 40.59 | -1.90 | PKKSdf | 32 | 16.72 | -1.90 | PKKSdf | 31 | 45.10 | -1.90 |
| | | | | SKKSac | 35 | 46.35 | -3.13 | SKKSac | 35 | 02.77 | -3.12 | SKKSac | 34 | 04.43 | -3.11 |
| | | | | SKKSdf | 36 | 06.77 | -1.89 | SKKSdf | 35 | 22.94 | -1.89 | SKKSdf | 34 | 24.16 | -1.89 |
| | | | | P'P'df | 37 | 15.95 | -1.92 | P'P'df | 36 | 52.09 | -1.92 | P'P'df | 36 | 20.48 | -1.92 |
| | | | | SS | 38 | 03.55 | 12.39 | SS | 37 | 26.04 | 12.32 | SS | 36 | 39.04 | 12.20 |
| | | | | S'S'ac | 40 | 37.47 | 7.59 | S'S'ac | 39 | 55.82 | 7.59 | S'S'ac | 39 | 01.08 | 7.59 |
| | | | | S'S'ac | 50 | 48.24 | -3.75 | S'S'ac | 50 | 04.82 | -3.74 | S'S'ac | 49 | 06.79 | -3.72 |
| | | | | S'S'df | 51 | 32.25 | -1.91 | S'S'df | 50 | 48.42 | -1.91 | S'S'df | 49 | 49.65 | -1.91 |

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 00.41 | 4.45 | Pdiff | 15 | 47.19 | 4.45 | Pdiff | 15 | 24.52 | 4.45 | Pdiff | 14 | 55.14 | 4.45 |
| PKPdf | 19 | 11.67 | 1.90 | pPdiff | 16 | 13.64 | 4.45 | pPdiff | 16 | 36.31 | 4.45 | pPdiff | 17 | 05.68 | 4.45 |
| PKiKP | 19 | 12.46 | 2.01 | sPdiff | 16 | 24.23 | 4.45 | sPdiff | 17 | 07.42 | 4.45 | PKPdf | 18 | 02.45 | 1.89 |
| PP | 21 | 23.55 | 6.51 | PKPdf | 18 | 57.94 | 1.90 | PKPdf | 18 | 34.07 | 1.90 | PKiKP | 18 | 03.35 | 2.01 |
| PKSdf | 22 | 48.16 | 1.87 | PKiKP | 18 | 58.74 | 2.01 | PKiKP | 18 | 34.91 | 2.01 | sPdiff | 18 | 05.02 | 4.45 |
| SKPdf | 22 | 48.16 | 1.87 | pPKPdf | 19 | 25.39 | 1.90 | pPKPdf | 19 | 49.26 | 1.90 | pPKPdf | 20 | 20.88 | 1.90 |
| SKiKP | 22 | 49.65 | 2.03 | pPKiKP | 19 | 26.17 | 2.01 | pPKiKP | 19 | 50.01 | 2.01 | pPKiKP | 20 | 21.57 | 2.01 |
| SKSac | 26 | 22.03 | 2.82 | sPKPdf | 19 | 35.76 | 1.90 | sPKPdf | 20 | 19.59 | 1.90 | PP | 20 | 24.04 | 6.38 |
| SKSdf | 26 | 24.47 | 1.82 | sPKiKP | 19 | 36.55 | 2.01 | sPKiKP | 20 | 20.36 | 2.01 | SKPbc | 20 | 30.02 | 3.72 |
| SKKSac | 28 | 21.85 | 6.20 | PP | 21 | 11.06 | 6.49 | PP | 20 | 50.15 | 6.45 | SKPab | 20 | 30.28 | 4.21 |
| PKKPdf | 29 | 13.89 | -1.91 | PKSbc | 22 | 21.92 | 3.96 | SKPbc | 21 | 28.02 | 3.86 | SKPdf | 20 | 41.44 | 1.87 |
| Sdiff | 29 | 33.07 | 8.34 | PKSab | 22 | 21.92 | 4.04 | SKPab | 21 | 28.06 | 4.12 | SKiKP | 20 | 43.02 | 2.03 |
| SP | 31 | 34.24 | 8.67 | SKPdf | 22 | 24.06 | 1.87 | SKPdf | 21 | 40.22 | 1.87 | sPKPdf | 21 | 18.37 | 1.90 |
| PS | 31 | 34.24 | 8.67 | SKiKP | 22 | 25.56 | 2.03 | SKiKP | 21 | 41.76 | 2.03 | sPKiKP | 21 | 19.11 | 2.01 |
| PKKSbc | 32 | 15.99 | -3.54 | PKSdf | 22 | 34.43 | 1.87 | PKSbc | 21 | 58.87 | 3.76 | PKSbc | 21 | 28.59 | 3.59 |
| SKKPbc | 32 | 15.99 | -3.54 | SKSac | 25 | 58.01 | 2.81 | PKSab | 21 | 59.05 | 4.19 | PKSab | 21 | 29.42 | 4.29 |
| PKKSdf | 32 | 50.50 | -1.91 | SKSdf | 26 | 00.36 | 1.82 | PKSdf | 22 | 10.55 | 1.87 | PKSdf | 21 | 38.91 | 1.86 |
| SKKPdf | 32 | 50.50 | -1.91 | pSKSac | 26 | 35.63 | 2.83 | SKSac | 25 | 14.35 | 2.80 | SKSac | 24 | 15.87 | 2.77 |
| SKKSac | 36 | 04.02 | -3.19 | pSKSdf | 26 | 38.20 | 1.82 | SKSdf | 25 | 16.52 | 1.82 | SKSdf | 24 | 17.72 | 1.82 |
| SKKSdf | 36 | 27.08 | -1.90 | sSKSac | 26 | 46.06 | 2.83 | pSKSac | 26 | 59.17 | 2.86 | SKKSac | 26 | 19.66 | 6.14 |
| SS | 38 | 49.61 | 12.30 | sSKSdf | 26 | 48.57 | 1.82 | pSKSdf | 27 | 02.09 | 1.83 | pSKSac | 27 | 30.15 | 2.91 |
| S'S'ac | 41 | 15.80 | 7.59 | SKKSac | 27 | 58.35 | 6.19 | SKKSac | 27 | 15.91 | 6.17 | pSKSdf | 27 | 33.75 | 1.83 |
| S'S'ac | 51 | 04.59 | -3.82 | PKKPdf | 29 | 00.16 | -1.91 | sSKSac | 27 | 29.71 | 2.84 | Sdiff | 27 | 35.18 | 8.34 |
| S'S'df | 51 | 52.52 | -1.91 | Sdiff | 29 | 10.14 | 8.34 | sSKSdf | 27 | 32.41 | 1.82 | PKKPdf | 28 | 04.68 | -1.91 |
| | | | | pSdiff | 29 | 44.59 | 8.34 | Sdiff | 28 | 28.99 | 8.34 | sSKSac | 28 | 28.16 | 2.87 |
| | | | | sSdiff | 29 | 56.00 | 8.34 | PKKPdf | 28 | 36.29 | -1.91 | sSKSdf | 28 | 31.21 | 1.83 |
| | | | | SP | 31 | 11.41 | 8.66 | pSdiff | 30 | 03.09 | 8.34 | SP | 29 | 37.04 | 8.60 |
| | | | | PS | 31 | 22.92 | 8.65 | SP | 30 | 30.48 | 8.64 | SKKPbc | 30 | 10.43 | -3.51 |
| | | | | SKKPbc | 31 | 52.05 | -3.54 | sSdiff | 30 | 37.16 | 8.34 | pSdiff | 30 | 24.03 | 8.34 |
| | | | | PKKSbc | 32 | 02.54 | - | | | | | | | | |

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|------|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 09.30 | 4.45 | Pdiff | 15 | 56.08 | 4.45 | Pdiff | 15 | 33.41 | 4.45 | Pdiff | 15 | 04.03 | 4.45 |
| PKPdf | 19 | 15.45 | 1.89 | pPdiff | 16 | 22.53 | 4.45 | pPdiff | 16 | 45.20 | 4.45 | pPdiff | 17 | 14.58 | 4.45 |
| PKiKP | 19 | 16.49 | 2.02 | sPdiff | 16 | 33.12 | 4.45 | sPdiff | 17 | 16.31 | 4.45 | PKPdf | 18 | 06.22 | 1.88 |
| PP | 21 | 36.49 | 6.44 | PKPdf | 19 | 01.72 | 1.89 | PKPdf | 18 | 37.85 | 1.89 | PKiKP | 18 | 07.38 | 2.02 |
| PKSbc | 22 | 42.75 | 3.55 | PKiKP | 19 | 02.77 | 2.02 | PKiKP | 18 | 38.94 | 2.02 | sPdiff | 18 | 13.91 | 4.45 |
| SKPbc | 22 | 42.75 | 3.55 | pPKPdf | 19 | 29.18 | 1.89 | pPKPdf | 19 | 53.05 | 1.89 | pPKPdf | 20 | 24.68 | 1.89 |
| SKPab | 22 | 43.62 | 4.28 | pPKiKP | 19 | 30.20 | 2.02 | pPKiKP | 19 | 54.04 | 2.02 | pPKiKP | 20 | 25.59 | 2.01 |
| PKSab | 22 | 43.62 | 4.28 | sPKPdf | 19 | 39.55 | 1.89 | sPKPdf | 20 | 23.38 | 1.89 | PP | 20 | 36.73 | 6.31 |
| PKSdf | 22 | 51.88 | 1.85 | sPKiKP | 19 | 40.58 | 2.02 | sPKiKP | 20 | 24.39 | 2.02 | SKPbc | 20 | 37.15 | 3.43 |
| SKPdf | 22 | 51.88 | 1.85 | PP | 21 | 23.97 | 6.42 | PP | 21 | 02.98 | 6.38 | SKPab | 20 | 38.86 | 4.34 |
| SKiKP | 22 | 53.72 | 2.04 | SKPbc | 22 | 18.80 | 3.53 | SKPbc | 21 | 35.32 | 3.49 | SKPdf | 20 | 45.15 | 1.85 |
| SKSac | 26 | 27.54 | 2.69 | SKPab | 22 | 19.77 | 4.29 | SKPab | 21 | 36.54 | 4.31 | SKiKP | 20 | 47.09 | 2.04 |
| SKSdf | 26 | 28.09 | 1.80 | SKPdf | 22 | 27.78 | 1.85 | SKPdf | 21 | 43.94 | 1.85 | sPKPdf | 21 | 22.16 | 1.89 |
| SKKSac | 28 | 34.17 | 6.13 | PKSbc | 22 | 29.30 | 3.52 | SKiKP | 21 | 45.83 | 2.04 | sPKiKP | 21 | 23.13 | 2.02 |
| PKKPdf | 29 | 10.06 | -1.92 | SKiKP | 22 | 29.64 | 2.04 | PKSbc | 22 | 06.05 | 3.45 | PKSbc | 21 | 35.51 | 3.34 |
| Sdiff | 29 | 49.76 | 8.34 | PKSab | 22 | 30.35 | 4.30 | PKSab | 22 | 07.59 | 4.33 | PKSab | 21 | 38.10 | 4.37 |
| SP | 31 | 51.52 | 8.61 | PKSdf | 22 | 38.15 | 1.85 | PKSdf | 22 | 14.27 | 1.85 | PKSdf | 21 | 42.62 | 1.84 |
| PS | 31 | 51.52 | 8.61 | SKSac | 26 | 03.50 | 2.68 | SKSac | 25 | 19.81 | 2.67 | SKSac | 24 | 21.28 | 2.64 |
| PKKSbc | 32 | 08.84 | -3.61 | SKSdf | 26 | 03.98 | 1.79 | SKSdf | 25 | 20.14 | 1.79 | SKSdf | 24 | 21.33 | 1.79 |
| SKKPbc | 32 | 08.84 | -3.61 | pSKSac | 26 | 41.15 | 2.70 | pSKSac | 27 | 04.75 | 2.72 | SKKSac | 26 | 31.87 | 6.07 |
| PKKSdf | 32 | 46.69 | -1.91 | pSKSdf | 26 | 41.82 | 1.80 | pSKSdf | 27 | 05.72 | 1.80 | pSKSac | 27 | 35.84 | 2.78 |
| SKKPdf | 32 | 46.69 | -1.91 | sSKSac | 26 | 51.57 | 2.69 | SKKSac | 27 | 28.19 | 6.10 | pSKSdf | 27 | 37.39 | 1.81 |
| SKKSac | 35 | 57.59 | -3.24 | sSKSdf | 26 | 52.19 | 1.80 | sSKSac | 27 | 35.26 | 2.71 | Sdiff | 27 | 51.86 | 8.34 |
| SKKSdf | 36 | 23.28 | -1.90 | SKKSac | 28 | 10.67 | 6.12 | sSKSdf | 27 | 36.04 | 1.80 | PKKPdf | 28 | 00.85 | -1.91 |
| SS | 39 | 14.09 | 12.19 | PKKPdf | 28 | 56.33 | -1.92 | PKKPdf | 28 | 32.47 | -1.92 | sSKSac | 28 | 33.76 | 2.73 |
| S'S'ac | 41 | 30.98 | 7.59 | Sdiff | 29 | 26.82 | 8.34 | Sdiff | 28 | 45.67 | 8.34 | sSKSdf | 28 | 34.84 | 1.80 |
| S'S'ac | 50 | 56.89 | -3.89 | pSdiff | 30 | 01.28 | 8.34 | pSdiff | 30 | 19.77 | 8.34 | SP | 29 | 54.16 | 8.53 |
| S'S'df | 51 | 48.69 | -1.92 | sSdiff | 30 | 12.69 | 8.34 | SP | 30 | 47.69 | 8.57 | SKKPbc | 30 | 03.34 | -3.58 |
| | | | | SP | 31 | 28.67 | 8.60 | sSdiff | 30 | 53.84 | 8.34 | SKKPdf | 30</ | | |

ak135

- 68 -

Delta : 134.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 18.20 | 4.45 | Pdiff | 16 | 04.97 | 4.45 | Pdiff | 15 | 42.30 | 4.45 | Pdiff | 15 | 12.92 | 4.45 |
| PKPdf | 19 | 19.22 | 1.88 | pPdiff | 16 | 31.42 | 4.45 | pPdiff | 16 | 54.09 | 4.45 | pPdiff | 17 | 23.47 | 4.45 |
| PKiKP | 19 | 20.53 | 2.03 | sPdiff | 16 | 42.01 | 4.45 | sPdiff | 17 | 25.20 | 4.45 | PKPdf | 18 | 10.00 | 1.87 |
| PP | 21 | 49.29 | 6.36 | PKPdf | 19 | 05.49 | 1.88 | PKPdf | 18 | 41.61 | 1.87 | PKiKP | 18 | 11.43 | 2.03 |
| PKSbc | 22 | 49.58 | 3.29 | PKiKP | 19 | 06.82 | 2.03 | PKiKP | 18 | 42.99 | 2.03 | sPdiff | 18 | 22.80 | 4.45 |
| SKPbc | 22 | 49.58 | 3.29 | pPKPdf | 19 | 32.95 | 1.88 | pPKPdf | 19 | 56.82 | 1.88 | pPKPdf | 20 | 28.45 | 1.88 |
| SKPab | 22 | 52.28 | 4.37 | pPKiKP | 19 | 34.24 | 2.03 | pPKiKP | 19 | 58.08 | 2.02 | pPKiKP | 20 | 29.63 | 2.02 |
| PKSab | 22 | 52.28 | 4.37 | sPKPdf | 19 | 43.32 | 1.88 | sPKPdf | 20 | 27.15 | 1.88 | SKPbc | 20 | 43.77 | 3.20 |
| SKPdf | 22 | 55.57 | 1.83 | sPKiKP | 19 | 44.62 | 2.03 | sPKiKP | 20 | 28.43 | 2.03 | SKPab | 20 | 47.59 | 4.39 |
| PKSdf | 22 | 55.57 | 1.83 | PP | 21 | 36.74 | 6.35 | PP | 21 | 15.67 | 6.31 | SKPdf | 20 | 48.82 | 1.83 |
| SKiKP | 22 | 57.81 | 2.04 | SKPbc | 22 | 25.61 | 3.28 | SKPbc | 21 | 42.06 | 3.25 | PP | 20 | 49.28 | 6.24 |
| SKSdf | 26 | 31.65 | 1.76 | SKPab | 22 | 28.45 | 4.37 | SKPab | 21 | 45.23 | 4.38 | SKiKP | 20 | 51.17 | 2.05 |
| SKSac | 26 | 32.78 | 2.56 | SKPdf | 22 | 31.46 | 1.83 | SKPdf | 21 | 47.62 | 1.83 | sPKPdf | 21 | 25.94 | 1.88 |
| SKKSac | 28 | 46.36 | 6.06 | SKiKP | 22 | 33.72 | 2.04 | SKiKP | 21 | 49.91 | 2.04 | sPKiKP | 21 | 27.17 | 2.02 |
| PKKPdf | 29 | 06.22 | -1.92 | PKSbc | 22 | 36.08 | 3.27 | PKSbc | 22 | 12.71 | 3.21 | PKSbc | 21 | 41.96 | 3.12 |
| Sdiff | 30 | 06.44 | 8.34 | PKSab | 22 | 39.03 | 4.37 | PKSab | 22 | 16.32 | 4.39 | PKSdf | 21 | 46.28 | 1.82 |
| SKKPbc | 32 | 01.54 | -3.69 | PKSdf | 22 | 41.83 | 1.83 | PKSdf | 22 | 17.94 | 1.83 | PKSab | 21 | 46.89 | 4.41 |
| PKKSbc | 32 | 01.54 | -3.69 | SKSdf | 26 | 07.54 | 1.76 | SKSdf | 25 | 23.69 | 1.76 | SKSdf | 24 | 24.88 | 1.76 |
| SP | 32 | 08.67 | 8.54 | SKSac | 26 | 08.73 | 2.55 | SKSac | 25 | 25.01 | 2.54 | SKSac | 24 | 26.44 | 2.52 |
| PS | 32 | 08.67 | 8.54 | pSKSdf | 26 | 45.39 | 1.77 | pSKSdf | 27 | 09.29 | 1.77 | SKKSac | 26 | 43.95 | 6.00 |
| PKKSdf | 32 | 42.87 | -1.91 | pSKSac | 26 | 46.42 | 2.57 | pSKSac | 27 | 10.06 | 2.59 | pSKSdf | 27 | 40.97 | 1.78 |
| SKKPdf | 32 | 42.87 | -1.91 | sSKSdf | 26 | 55.75 | 1.77 | sSKSdf | 27 | 39.60 | 1.77 | pSKSac | 27 | 41.25 | 2.64 |
| SKKSac | 35 | 51.05 | -3.30 | sSKSac | 26 | 56.83 | 2.56 | SKKSac | 27 | 40.32 | 6.03 | PKKPdf | 27 | 57.02 | -1.92 |
| SKKSdf | 36 | 19.48 | -1.90 | SKKSac | 28 | 22.84 | 6.05 | sSKSac | 27 | 40.54 | 2.58 | Sdiff | 28 | 08.54 | 8.34 |
| SS | 39 | 38.35 | 12.07 | PKKPdf | 28 | 52.50 | -1.92 | PKKPdf | 28 | 28.63 | -1.92 | sSKSdf | 28 | 38.42 | 1.77 |
| S'S'ac | 41 | 46.14 | 7.58 | Sdiff | 29 | 43.51 | 8.34 | Sdiff | 29 | 02.35 | 8.34 | sSKSac | 28 | 39.09 | 2.60 |
| S'S'ac | 50 | 49.04 | -3.96 | pSdiff | 30 | 17.96 | 8.34 | pSdiff | 30 | 36.45 | 8.34 | SKKPbc | 29 | 56.11 | -3.65 |
| S'S'df | 51 | 44.86 | -1.92 | sSdiff | 30 | 29.37 | 8.34 | SKKPbc | 30 | 54.18 | -3.67 | SP | 30 | 11.15 | 8.46 |
| | | | | SKKPbc | 31 | 37.61 | -3.68 | SP | 31 | 04.77 | 8.51 | SKKPdf | 30 | 36.17 | -1.91 |
| | | | | SP | 31 | 45.80 | 8.53 | sSdiff | 31 | 10.52 | 8.34 | PKKSbc | 30 | 54.67 | -3.62 |
| | | | | PKKSbc | 31 | 48.12 | -3.68 | PKKSbc | 31 | 24.97 | -3.66 | pSdiff | 30 | 57.39 | 8.34 |
| | | | | PS | 31 | 57.27 | 8.52 | SKKPdf | 31 | 34.94 | -1.91 | PKKSdf | 31 | 33.66 | -1.91 |
| | | | | SKKPdf | 32 | 18.77 | -1.91 | PS | 31 | 39.02 | 8.46 | sSdiff | 32 | 04.33 | 8.34 |
| | | | | PKKSdf | 32 | 29.14 | -1.91 | PKKSdf | 32 | 05.27 | -1.91 | SKKSac | 33 | 45.28 | -3.27 |
| | | | | SKKSac | 35 | 27.08 | -3.29 | SKKSac | 34 | 43.54 | -3.29 | SKKSdf | 34 | 12.77 | -1.90 |
| | | | | SKKSdf | 35 | 55.38 | -1.90 | SKKSdf | 35 | 11.55 | -1.90 | SS | 37 | 51.23 | 11.86 |
| | | | | SS | 39 | 16.85 | 12.05 | SS | 38 | 38.96 | 11.98 | S'S'ac | 39 | 46.58 | 7.58 |
| | | | | S'S'ac | 41 | 22.99 | 7.58 | S'S'ac | 40 | 41.34 | 7.58 | S'S'ac | 48 | 43.88 | -3.92 |
| | | | | S'S'ac | 50 | 25.15 | -3.95 | S'S'ac | 49 | 41.79 | -3.94 | S'S'df | 49 | 38.16 | -1.92 |
| | | | | S'S'df | 51 | 20.76 | -1.92 | S'S'df | 50 | 36.93 | -1.92 | | | | |

ak135

- 69 -

Delta : 136.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 27.09 | 4.45 | Pdiff | 16 | 13.86 | 4.45 | Pdiff | 15 | 51.19 | 4.45 | Pdiff | 15 | 21.82 | 4.45 |
| PKPdf | 19 | 22.96 | 1.86 | pPdiff | 16 | 40.31 | 4.45 | pPdiff | 17 | 02.98 | 4.45 | pPdiff | 17 | 32.36 | 4.45 |
| PKiKP | 19 | 24.59 | 2.03 | sPdiff | 16 | 50.90 | 4.45 | sPdiff | 17 | 34.09 | 4.45 | PKPdf | 18 | 13.70 | 1.85 |
| PP | 22 | 01.94 | 6.29 | PKPdf | 19 | 09.22 | 1.86 | PKPdf | 18 | 45.34 | 1.86 | PKiKP | 18 | 15.50 | 2.04 |
| PKSbc | 22 | 55.94 | 3.07 | PKiKP | 19 | 10.88 | 2.03 | PKiKP | 18 | 47.05 | 2.03 | sPdiff | 18 | 31.70 | 4.45 |
| SKPbc | 22 | 55.94 | 3.07 | pPKPdf | 19 | 36.69 | 1.86 | pPKPdf | 20 | 00.57 | 1.86 | pPKPdf | 20 | 32.20 | 1.87 |
| SKPdf | 22 | 59.20 | 1.81 | pPKiKP | 19 | 38.30 | 2.03 | pPKiKP | 20 | 02.13 | 2.03 | pPKiKP | 20 | 33.68 | 2.03 |
| PKSdf | 22 | 59.20 | 1.81 | sPKPdf | 19 | 47.06 | 1.86 | sPKPdf | 20 | 30.89 | 1.86 | SKPbc | 20 | 49.96 | 2.99 |
| SKPab | 23 | 01.06 | 4.41 | sPKiKP | 19 | 48.68 | 2.03 | sPKiKP | 20 | 32.49 | 2.03 | SKPdf | 20 | 52.45 | 1.80 |
| PKSab | 23 | 01.06 | 4.41 | PP | 21 | 49.36 | 6.27 | PP | 21 | 28.22 | 6.24 | SKiKP | 20 | 55.27 | 2.05 |
| SKiKP | 23 | 01.90 | 2.05 | SKPbc | 22 | 31.94 | 3.06 | SKPbc | 21 | 48.34 | 3.04 | SKPab | 20 | 56.41 | 4.42 |
| SKSdf | 26 | 35.14 | 1.73 | SKPdf | 22 | 35.10 | 1.80 | SKPdf | 21 | 51.25 | 1.80 | PP | 21 | 01.68 | 6.17 |
| SKSac | 26 | 37.77 | 2.44 | SKPab | 22 | 37.23 | 4.41 | SKiKP | 21 | 54.00 | 2.05 | sPKPdf | 21 | 29.68 | 1.86 |
| SKKSac | 28 | 58.41 | 5.99 | SKiKP | 22 | 37.81 | 2.05 | SKPab | 21 | 54.03 | 4.42 | sPKiKP | 21 | 31.23 | 2.03 |
| PKKPdf | 29 | 02.39 | -1.92 | PKSbc | 22 | 42.39 | 3.05 | PKSbc | 22 | 18.93 | 3.01 | PKSbc | 21 | 48.01 | 2.93 |
| Sdiff | 30 | 23.12 | 8.34 | PKSdf | 22 | 45.47 | 1.80 | PKSdf | 22 | 21.57 | 1.80 | PKSdf | 21 | 49.90 | 1.79 |
| SKKPbc | 31 | 54.09 | -3.76 | PKSab | 22 | 47.82 | 4.41 | PKSab | 22 | 25.13 | 4.42 | PKSab | 21 | 55.73 | 4.43 |
| PKKSbc | 31 | 54.09 | -3.76 | SKSdf | 26 | 11.03 | 1.73 | SKSdf | 25 | 27.18 | 1.72 | SKSdf | 24 | 28.35 | 1.72 |
| SP | 32 | 25.68 | 8.47 | SKSac | 26 | 13.71 | 2.43 | SKSac | 25 | 30.00 | 2.42 | SKSac | 24 | 31.36 | 2.41 |
| PS | 32 | 25.68 | 8.47 | pSKSdf | 26 | 48.89 | 1.73 | pSKSdf | 27 | 12.80 | 1.73 | SKKSac | 26 | 55.89 | 5.94 |
| PKKSdf | 32 | 39.04 | -1.91 | pSKSac | 26 | 51.43 | 2.45 | pSKSac | 27 | 15.12 | 2.47 | pSKSdf | 27 | 44.50 | 1.74 |
| SKKPdf | 32 | 39.04 | -1.91 | sSKSdf | 26 | 59.25 | 1.73 | sSKSdf | 27 | 43.10 | 1.73 | pSKSac | 27 | 46.39 | 2.51 |
| SKKSac | 35 | 44.40 | -3.35 | sSKSac | 27 | 01.83 | 2.44 | sSKSac | 27 | 45.57 | 2.45 | PKKPdf | 27 | 53.19 | -1.92 |
| SKKSdf | 36 | 15.66 | -1.91 | SKKSac | 28 | 34.87 | 5.98 | SKKSac | 27 | 52.33 | 5.97 | Sdiff | 28 | 25.22 | 8.34 |
| SS | 40 | 02.39 | 11.96 | PKKPdf | 28 | 48.66 | -1.92 | PKKPdf | 28 | 24.80 | -1.92 | sSKSdf | 28 | 41.92 | 1.74 |
| S'S'ac | 42 | 01.30 | 7.58 | Sdiff | 30 | 00.19 | 8.34 | Sdiff | 29 | 19.04 | 8.34 | sSKSac | 28 | 44.17 | 2.48 |
| S'S'ac | 50 | 41.06 | -4.02 | pSdiff | 30 | 34.64 | 8.34 | SKKPbc | 30 | 46.76 | -3.75 | SKKPbc | 29 | 48.73 | -3.73 |
| S'S'df | 51 | 41.02 | -1.92 | sSdiff | 30 | 46.05 | 8.34 | pSdiff | 30 | 53.13 | 8.34 | SP | 30 | 28.00 | 8.39 |
| | | | | SKKPbc | 31 | 30.18 | -3.76 | PKKSbc | 31 | 17.58 | -3.73 | SKKPdf | 30 | 32.34 | -1.91 |
| | | | | PKKSbc | 31 | 40.69 | -3.75 | SP | 31 | 21.72 | 8.44 | PKKSbc | 30 | 47.36 | -3.69 |
| | | | | SP | 32 | 02.79 | 8.46 | sSdiff | 31 | 27.20 | 8.34 | pSdiff | 31 | 14.07 | 8.34 |
| | | | | PS | 32 | 14.24 | 8.45 | SKKPdf | 31 | 31.11 | -1.91 | PKKSdf | 31 | 29.84 | -1.91 |
| | | | | SKKPdf | 32 | 14.94 | -1.91 | PS | 31 | 55.88 | 8.39 | sSdiff | 32 | 21.01 | 8.34 |
| | | | | PKKSdf | 32 | 25.31 | -1.91 | PKKSdf | 32 | 01.45 | -1.91 | SKKSac | 33 | 38.67 | -3.33 |
| | | | | SKKSac | 35 | 20.44 | -3.35 | SKKSac | 34 | 36.91 | -3.34 | SKKSdf | 34 | 08.96 | -1.91 |
| | | | | SKKSdf | 35 | 51.57 | -1.91 | SKKSdf | 35 | 07.74 | -1.91 | SS | 38 | 14.85 | 11.75 |
| | | | | SS | 39 | 40.83 | 11.93 | SS | 39 | 02.82 | 11.87 | S'S'ac | 40 | 01.72 | 7.57 |
| | | | | S'S'ac | 41 | 38.15 | 7.58 | S'S'ac | 40 | 56.49 | 7.57 | S'S'ac | 48 | 35.97 | -3.99 |
| | | | | S'S'ac | 50 | 17.18 | -4.02 | S'S'ac | 49 | 33.84 | -4.01 | S'S'df | 49 | 34.32 | -1.92 |
| | | | | S'S'df | 51 | 16.92 | -1.92 | S'S'df | 50 | 33.09 | -1.92 | | | | |

ak135

- 70 -

Delta : 138.0

| 0. | | | 100. | | | 300. | | | 600. | | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|------|-------|-------|--------|----|-------|-------|
| depth | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 35.98 | 4.45 | Pdiff | 16 | 22.75 | 4.45 | Pdiff | 16 | 00.08 | 4.45 | Pdiff | 15 | 30.71 | 4.45 |
| PKPdf | 19 | 26.66 | 1.84 | pPdiff | 16 | 49.20 | 4.45 | pPdiff | 17 | 11.87 | 4.45 | pPdiff | 17 | 41.25 | 4.45 |
| PKiKP | 19 | 28.66 | 2.04 | sPdiff | 16 | 59.80 | 4.45 | sPdiff | 17 | 42.99 | 4.45 | PKPdf | 18 | 17.38 | 1.83 |
| PP | 22 | 14.45 | 6.22 | PKPdf | 19 | 12.92 | 1.84 | PKPdf | 18 | 49.04 | 1.84 | PKiKP | 18 | 19.58 | 2.04 |
| PKSbc | 23 | 01.89 | 2.87 | PKiKP | 19 | 14.95 | 2.04 | PKiKP | 18 | 51.12 | 2.04 | sPdiff | 18 | 40.59 | 4.45 |
| SKPbc | 23 | 01.89 | 2.87 | pPKPdf | 19 | 40.39 | 1.84 | pPKPdf | 20 | 04.28 | 1.84 | pPKPdf | 20 | 35.92 | 1.85 |
| SKPdf | 23 | 02.78 | 1.77 | pPKiKP | 19 | 42.37 | 2.04 | pPKiKP | 20 | 06.20 | 2.04 | pPKiKP | 20 | 37.75 | 2.04 |
| PKSdf | 23 | 02.78 | 1.77 | sPKPdf | 19 | 50.76 | 1.84 | sPKPdf | 20 | 34.60 | 1.84 | SKPbc | 20 | 55.75 | 2.80 |
| SKiKP | 23 | 06.00 | 2.05 | sPKiKP | 19 | 52.75 | 2.04 | sPKiKP | 20 | 36.56 | 2.04 | SKPdf | 20 | 56.02 | 1.77 |
| SKPab | 23 | 09.90 | 4.43 | PP | 22 | 01.84 | 6.20 | PP | 21 | 40.62 | 6.17 | SKiKP | 20 | 59.37 | 2.05 |
| PKSab | 23 | 09.90 | 4.43 | SKPbc | 22 | 37.87 | 2.86 | SKPbc | 21 | 54.22 | 2.84 | SKPab | 21 | 05.28 | 4.44 |
| SKSdf | 26 | 38.55 | 1.68 | SKPdf | 22 | 38.68 | 1.77 | SKPdf | 21 | 54.83 | 1.77 | PP | 21 | 13.95 | 6.10 |
| SKSac | 26 | 42.55 | 2.34 | SKiKP | 22 | 41.91 | 2.05 | SKiKP | 21 | 58.11 | 2.05 | sPKPdf | 21 | 33.39 | 1.85 |
| PKKPdf | 28 | 58.55 | -1.92 | SKPab | 22 | 46.08 | 4.43 | SKPab | 22 | 02.88 | 4.43 | sPKiKP | 21 | 35.30 | 2.04 |
| SKKSac | 29 | 10.32 | 5.92 | PKSbc | 22 | 48.30 | 2.86 | PKSbc | 22 | 24.75 | 2.82 | PKSdf | 21 | 53.45 | 1.76 |
| Sdiff | 30 | 39.80 | 8.34 | PKSdf | 22 | 49.04 | 1.77 | PKSdf | 22 | 25.14 | 1.77 | PKSbc | 21 | 53.69 | 2.74 |
| SKKPbc | 31 | 46.49 | -3.84 | PKSab | 22 | 56.67 | 4.43 | PKSab | 22 | 33.99 | 4.44 | PKSab | 22 | 04.61 | 4.44 |
| PKKSbc | 31 | 46.49 | -3.84 | SKSdf | 26 | 14.44 | 1.68 | SKSdf | 25 | 30.58 | 1.68 | SKSdf | 24 | 31.74 | 1.67 |
| SKKPdf | 32 | 35.21 | -1.92 | SKSac | 26 | 18.48 | 2.33 | SKSac | 25 | 34.72 | 2.33 | SKSac | 24 | 36.07 | 2.31 |
| PKKSdf | 32 | 35.21 | -1.92 | pSKSdf | 26 | 52.30 | 1.69 | pSKSdf | 27 | 16.23 | 1.69 | SKKSac | 27 | 07.69 | 5.87 |
| SP | 32 | 42.56 | 8.40 | pSKSac | 26 | 56.22 | 2.34 | pSKSac | 27 | 19.95 | 2.36 | pSKSdf | 27 | 47.94 | 1.70 |
| PS | 32 | 42.56 | 8.40 | sSKSdf | 27 | 02.66 | 1.69 | sSKSdf | 27 | 46.52 | 1.69 | PKKPdf | 27 | 49.35 | -1.92 |
| SKKSac | 35 | 37.64 | -3.41 | sSKSac | 27 | 06.61 | 2.34 | sSKSac | 27 | 50.37 | 2.35 | pSKSac | 27 | 51.29 | 2.39 |
| SKKSdf | 36 | 11.85 | -1.91 | PKKPdf | 28 | 44.82 | -1.92 | SKKSac | 28 | 04.19 | 5.90 | Sdiff | 28 | 41.90 | 8.34 |
| SS | 40 | 26.19 | 11.84 | SKKSac | 28 | 46.77 | 5.91 | PKKPdf | 28 | 20.96 | -1.92 | sSKSdf | 28 | 45.36 | 1.69 |
| S'S'ac | 42 | 16.45 | 7.57 | Sdiff | 30 | 16.87 | 8.34 | Sdiff | 29 | 35.72 | 8.34 | sSKSac | 28 | 49.01 | 2.37 |
| S'S'ac | 50 | 32.94 | -4.09 | pSdiff | 30 | 51.32 | 8.34 | SKKPbc | 30 | 39.19 | -3.82 | SKKPbc | 29 | 41.21 | -3.80 |
| S'S'df | 51 | 37.18 | -1.92 | sSdiff | 31 | 02.73 | 8.34 | pSdiff | 31 | 09.81 | 8.34 | SKKPdf | 30 | 28.51 | -1.92 |
| | | | | SKKPbc | 31 | 22.58 | -3.84 | PKKSbc | 31 | 10.04 | -3.81 | PKKSbc | 30 | 39.90 | -3.77 |
| | | | | PKKSbc | 31 | 33.11 | -3.83 | SKKPdf | 31 | 27.28 | -1.92 | PKKSdf | 31 | 26.01 | -1.92 |
| | | | | SKKPdf | 32 | 11.11 | -1.92 | SP | 31 | 38.52 | 8.36 | pSdiff | 31 | 30.75 | 8.34 |
| | | | | SP | 32 | 19.64 | 8.39 | sSdiff | 31 | 43.88 | 8.34 | sSdiff | 32 | 37.69 | 8.34 |
| | | | | PKKSdf | 32 | 21.48 | -1.92 | PKKSdf | 31 | 57.62 | -1.92 | SKKSac | 33 | 31.96 | -3.38 |
| | | | | PS | 32 | 31.07 | 8.38 | SKKSac | 34 | 30.17 | -3.40 | SKKSdf | 34 | 05.14 | -1.91 |
| | | | | SKKSac | 35 | 13.68 | -3.40 | SKKSdf | 35 | 03.92 | -1.91 | SS | 38 | 38.24 | 11.64 |
| | | | | SKKSdf | 35 | 47.75 | -1.91 | SS | 39 | 26.45 | 11.76 | S'S'ac | 40 | 16.85 | 7.56 |
| | | | | SS | 40 | 04.58 | 11.82 | S'S'ac | 41 | 11.63 | 7.57 | S'S'ac | 48 | 27.92 | -4.06 |
| | | | | S'S'ac | 41 | 53.29 | 7.57 | S'S'ac | 49 | 25.76 | -4.08 | S'S'df | 49 | 30.48 | -1.92 |
| | | | | S'S'ac | 50 | 09.07 | -4.09 | S'S'df | 50 | 29.25 | -1.92 | | | | |
| | | | | S'S'df | 51 | 13.08 | -1.92 | | | | | | | | |

Delta : 140.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 44.87 | 4.45 | Pdiff | 16 | 31.65 | 4.45 | Pdiff | 16 | 08.97 | 4.45 | Pdiff | 15 | 39.60 | 4.45 |
| PKPdf | 19 | 30.31 | 1.82 | pPdiff | 16 | 58.09 | 4.45 | pPdiff | 17 | 20.76 | 4.45 | pPdiff | 17 | 50.14 | 4.45 |
| PKiKP | 19 | 32.75 | 2.05 | sPdiff | 17 | 08.69 | 4.45 | sPdiff | 17 | 51.88 | 4.45 | PKPdf | 18 | 21.02 | 1.80 |
| PP | 22 | 26.81 | 6.14 | PKPdf | 19 | 16.58 | 1.81 | PKPdf | 18 | 52.68 | 1.81 | PKiKP | 18 | 23.67 | 2.05 |
| PKSdf | 23 | 06.30 | 1.74 | PKiKP | 19 | 19.04 | 2.05 | PKiKP | 18 | 55.21 | 2.05 | sPdiff | 18 | 49.48 | 4.45 |
| SKPdf | 23 | 06.30 | 1.74 | pPKPdf | 19 | 44.05 | 1.82 | pPKPdf | 20 | 07.94 | 1.82 | pPKPdf | 20 | 39.60 | 1.83 |
| PKSbc | 23 | 07.44 | 2.68 | pPKiKP | 19 | 46.46 | 2.04 | pPKiKP | 20 | 10.29 | 2.04 | pPKiKP | 20 | 41.83 | 2.04 |
| SKPbc | 23 | 07.44 | 2.68 | sPKPdf | 19 | 54.42 | 1.82 | sPKPdf | 20 | 38.26 | 1.82 | SKPdf | 20 | 59.51 | 1.73 |
| SKiKP | 23 | 10.11 | 2.06 | sPKiKP | 19 | 56.84 | 2.05 | sPKiKP | 20 | 40.65 | 2.04 | SKPbc | 21 | 01.17 | 2.62 |
| SKPab | 23 | 18.77 | 4.44 | PP | 22 | 14.17 | 6.13 | PP | 21 | 52.88 | 6.09 | SKiKP | 21 | 03.49 | 2.06 |
| PKSab | 23 | 18.77 | 4.44 | SKPdf | 22 | 42.19 | 1.74 | SKPdf | 21 | 58.33 | 1.73 | SKPab | 21 | 14.16 | 4.45 |
| SKSdf | 26 | 41.87 | 1.64 | SKPbc | 22 | 43.40 | 2.67 | SKPbc | 21 | 59.71 | 2.65 | PP | 21 | 26.07 | 6.03 |
| SKSac | 26 | 47.13 | 2.24 | SKiKP | 22 | 46.02 | 2.06 | SKiKP | 22 | 02.22 | 2.06 | sPKPdf | 21 | 37.06 | 1.82 |
| PKKPdf | 28 | 54.70 | -1.92 | PKSdf | 22 | 52.55 | 1.73 | SKPab | 22 | 11.76 | 4.44 | sPKiKP | 21 | 39.38 | 2.04 |
| SKKSac | 29 | 22.10 | 5.85 | PKSbc | 22 | 53.82 | 2.66 | PKSdf | 22 | 28.64 | 1.73 | PKSdf | 21 | 56.93 | 1.72 |
| Sdiff | 30 | 56.48 | 8.34 | SKPab | 22 | 54.95 | 4.44 | PKSbc | 22 | 30.19 | 2.63 | PKSbc | 21 | 59.00 | 2.57 |
| SKKPbc | 31 | 38.72 | -3.93 | PKSab | 23 | 05.55 | 4.44 | PKSab | 22 | 42.88 | 4.44 | SKSdf | 24 | 35.04 | 1.62 |
| PKKSbc | 31 | 38.72 | -3.93 | SKSdf | 26 | 17.76 | 1.63 | SKSdf | 25 | 33.89 | 1.63 | SKSac | 24 | 40.60 | 2.22 |
| PKKSab | 31 | 40.82 | -4.45 | SKSac | 26 | 23.06 | 2.24 | SKSac | 25 | 39.28 | 2.23 | SKKSac | 27 | 19.36 | 5.80 |
| SKKPab | 31 | 40.82 | -4.45 | pSKSdf | 26 | 55.63 | 1.64 | pSKSdf | 27 | 19.56 | 1.64 | PKKPdf | 27 | 45.51 | -1.92 |
| SKKPdf | 32 | 31.37 | -1.92 | pSKSac | 27 | 00.81 | 2.25 | pSKSac | 27 | 24.57 | 2.27 | pSKSdf | 27 | 51.30 | 1.66 |
| PKKSdf | 32 | 31.37 | -1.92 | sSKSdf | 27 | 05.99 | 1.64 | sSKSdf | 27 | 49.85 | 1.64 | pSKSac | 27 | 55.98 | 2.29 |
| SKKSac | 35 | 30.78 | -3.46 | sSKSac | 27 | 11.20 | 2.25 | sSKSac | 27 | 54.98 | 2.26 | sSKSdf | 28 | 48.70 | 1.65 |
| SKKSdf | 36 | 08.02 | -1.91 | PKKPdf | 28 | 40.98 | -1.92 | SKKSac | 28 | 15.92 | 5.83 | sSKSac | 28 | 53.64 | 2.27 |
| SS | 40 | 49.76 | 11.73 | SKKSac | 28 | 58.53 | 5.85 | PKKPdf | 28 | 17.12 | -1.92 | Sdiff | 28 | 58.59 | 8.34 |
| S'S'ac | 42 | 31.58 | 7.56 | Sdiff | 30 | 33.55 | 8.34 | Sdiff | 29 | 52.40 | 8.34 | SKKPbc | 29 | 33.52 | -3.88 |
| S'S'ac | 50 | 24.68 | -4.16 | pSdiff | 31 | 08.00 | 8.34 | SKKPbc | 30 | 31.46 | -3.91 | SKKPdf | 30 | 24.68 | -1.92 |
| S'S'df | 51 | 33.33 | -1.92 | SKKPbc | 31 | 14.83 | -3.92 | SKKPab | 30 | 33.81 | -4.45 | PKKSbc | 30 | 32.29 | -3.85 |
| | | | | SKKPab | 31 | 17.00 | -4.45 | PKKSbc | 31 | 02.35 | -3.89 | PKKSdf | 31 | 22.17 | -1.92 |
| | | | | sSdiff | 31 | 19.41 | 8.34 | SKKPdf | 31 | 23.45 | -1.92 | pSdiff | 31 | 47.43 | 8.34 |
| | | | | PKKSbc | 31 | 25.36 | -3.91 | pSdiff | 31 | 26.49 | 8.34 | sSdiff | 32 | 54.37 | 8.34 |
| | | | | PKKSab | 31 | 27.59 | -4.45 | PKKSdf | 31 | 53.78 | -1.92 | SKKSac | 33 | 25.14 | -3.44 |
| | | | | SKKPdf | 32 | 07.28 | -1.92 | sSdiff | 32 | 00.56 | 8.34 | SKKSdf | 34 | 01.32 | -1.91 |
| | | | | PKKSdf | 32 | 17.65 | -1.92 | SKKSac | 34 | 23.32 | -3.45 | SS | 39 | 01.41 | 11.53 |
| | | | | SKKSac | 35 | 06.82 | -3.46 | SKKSdf | 35 | 00.10 | -1.91 | S'S'ac | 40 | 31.96 | 7.55 |
| | | | | SKKSdf | 35 | 43.92 | -1.91 | SS | 39 | 49.85 | 11.64 | S'S'ac | 48 | 19.74 | -4.13 |
| | | | | SS | 40 | 28.10 | 11.70 | S'S'ac | 41 | 26.75 | 7.56 | S'S'df | 49 | 26.64 | -1.92 |
| | | | | S'S'ac | 42 | 08.42 | 7.56 | S'S'ac | 49 | 17.53 | -4.15 | | | | |
| | | | | S'S'ac | 50 | 00.82 | -4.16 | S'S'df | 50 | 25.41 | -1.92 | | | | |
| | | | | S'S'df | 51 | 09.24 | -1.92 | | | | | | | | |

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 16 | 53.76 | 4.45 | Pdiff | 16 | 40.54 | 4.45 | Pdiff | 16 | 17.87 | 4.45 | Pdiff | 15 | 48.49 | 4.45 |
| PKPdf | 19 | 33.92 | 1.79 | pPdiff | 17 | 06.98 | 4.45 | pPdiff | 17 | 29.66 | 4.45 | pPdiff | 17 | 59.03 | 4.45 |
| PKiKP | 19 | 36.84 | 2.05 | sPdiff | 17 | 17.58 | 4.45 | sPdiff | 18 | 00.77 | 4.45 | PKPdf | 18 | 24.59 | 1.77 |
| PP | 22 | 39.03 | 6.07 | PKPdf | 19 | 20.18 | 1.78 | PKPdf | 18 | 56.27 | 1.78 | PKiKP | 18 | 27.77 | 2.05 |
| PKSdf | 23 | 09.73 | 1.69 | PKiKP | 19 | 23.14 | 2.05 | PKiKP | 18 | 59.31 | 2.05 | sPdiff | 18 | 58.37 | 4.45 |
| SKPdf | 23 | 09.73 | 1.69 | pPKPdf | 19 | 47.66 | 1.79 | pPKPdf | 20 | 11.55 | 1.79 | pPKPdf | 20 | 43.23 | 1.80 |
| PKSbc | 23 | 12.62 | 2.51 | pPKiKP | 19 | 50.55 | 2.05 | pPKiKP | 20 | 14.38 | 2.05 | pPKiKP | 20 | 45.92 | 2.05 |
| SKPbc | 23 | 12.62 | 2.51 | sPKPdf | 19 | 58.02 | 1.79 | sPKPdf | 20 | 41.87 | 1.79 | SKPdf | 21 | 02.92 | 1.68 |
| SKiKP | 23 | 14.23 | 2.06 | sPKiKP | 20 | 00.93 | 2.05 | sPKiKP | 20 | 44.74 | 2.05 | SKPbc | 21 | 06.24 | 2.46 |
| SKPab | 23 | 27.66 | 4.45 | PP | 22 | 26.36 | 6.06 | SKPdf | 22 | 01.76 | 1.69 | SKiKP | 21 | 07.60 | 2.06 |
| PKSab | 23 | 27.66 | 4.45 | SKPdf | 22 | 45.62 | 1.69 | SKPbc | 22 | 04.84 | 2.49 | PP | 21 | 38.05 | 5.95 |
| SKSdf | 26 | 45.09 | 1.58 | SKPbc | 22 | 48.56 | 2.50 | PP | 22 | 05.00 | 6.02 | sPKPdf | 21 | 40.67 | 1.79 |
| SKSac | 26 | 51.53 | 2.16 | SKiKP | 22 | 50.14 | 2.06 | SKiKP | 22 | 06.34 | 2.06 | sPKiKP | 21 | 43.47 | 2.05 |
| PKKPdf | 28 | 50.86 | -1.92 | PKSdf | 22 | 55.98 | 1.69 | PKSdf | 22 | 32.05 | 1.68 | PKSdf | 22 | 00.33 | 1.67 |
| SKKSac | 29 | 33.74 | 5.79 | PKSbc | 22 | 58.97 | 2.50 | PKSbc | 22 | 35.29 | 2.47 | PKSbc | 22 | 03.99 | 2.42 |
| Sdiff | 31 | 13.16 | 8.34 | SKSdf | 26 | 20.97 | 1.57 | SKSdf | 25 | 37.09 | 1.57 | SKSdf | 24 | 38.23 | 1.56 |
| SKKPbc | 31 | 30.78 | -4.02 | SKSac | 26 | 27.45 | 2.16 | SKSac | 25 | 43.66 | 2.15 | SKSac | 24 | 44.96 | 2.14 |
| PKKSbc | 31 | 30.78 | -4.02 | pSKSdf | 26 | 58.85 | 1.58 | pSKSdf | 27 | 22.80 | 1.59 | SKKSac | 27 | 30.90 | 5.74 |
| PKKSab | 31 | 31.93 | -4.44 | pSKSac | 27 | 05.23 | 2.17 | pSKSac | 27 | 29.02 | 2.18 | PKKPdf | 27 | 41.66 | -1.92 |
| SKKPab | 31 | 31.93 | -4.44 | sSKSdf | 27 | 09.20 | 1.58 | sSKSdf | 27 | 53.08 | 1.58 | pSKSdf | 27 | 54.56 | 1.60 |
| SKKPdf | 32 | 27.53 | -1.92 | sSKSac | 27 | 15.61 | 2.16 | sSKSac | 27 | 59.40 | 2.17 | pSKSac | 28 | 00.48 | 2.20 |
| PKKSdf | 32 | 27.53 | -1.92 | PKKPdf | 28 | 37.13 | -1.92 | PKKPdf | 28 | 13.27 | -1.92 | sSKSdf | 28 | 51.93 | 1.59 |
| SKKSac | 35 | 23.80 | -3.52 | SKKSac | 29 | 10.16 | 5.78 | SKKSac | 28 | 27.52 | 5.76 | sSKSac | 28 | 58.10 | 2.18 |
| SKKSdf | 36 | 04.19 | -1.92 | Sdiff | 30 | 50.23 | 8.34 | Sdiff | 30 | 09.08 | 8.34 | Sdiff | 29 | 15.27 | 8.34 |
| SS | 41 | 13.11 | 11.61 | SKKPbc | 31 | 06.90 | -4.01 | SKKPbc | 30 | 23.56 | -3.99 | SKKPbc | 29 | 25.67 | -3.97 |
| S'S'ac | 42 | 46.69 | 7.55 | SKKPab | 31 | 08.11 | -4.44 | SKKPab | 30 | 24.92 | -4.44 | SKKPab | 29 | 27.32 | -4.44 |
| S'S'ac | 50 | 16.29 | -4.23 | PKKSbc | 31 | 17.44 | -4.00 | PKKSbc | 30 | 54.48 | -3.98 | SKKPdf | 30 | 20.84 | -1.92 |
| S'S'df | 51 | 29.49 | -1.92 | PKKSab | 31 | 18.71 | -4.44 | PKKSab | 30 | 56.03 | -4.44 | PKKSbc | 30 | 24.51 | -3.93 |
| | | | | pSdiff | 31 | 24.68 | 8.34 | SKKPdf | 31 | 19.61 | -1.92 | | | | |

ak135

- 73 -

Delta : 144.0

| depth | | | 0. | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| Pdiff | 17 | 02.65 | 4.45 | Pdiff | 16 | 49.43 | 4.45 | Pdiff | 16 | 26.76 | 4.45 | Pdiff | 15 | 57.38 | 4.45 |
| PKPdf | 19 | 37.45 | 1.75 | pPdiff | 17 | 15.88 | 4.45 | pPdiff | 17 | 38.55 | 4.45 | pPdiff | 18 | 07.92 | 4.45 |
| PKiKP | 19 | 40.95 | 2.05 | sPdiff | 17 | 26.47 | 4.45 | sPdiff | 18 | 09.66 | 4.45 | PKPbc | 18 | 27.68 | 3.16 |
| PP | 22 | 51.10 | 6.00 | PKPdf | 19 | 23.71 | 1.75 | PKPdf | 18 | 59.79 | 1.74 | PKPab | 18 | 27.97 | 3.78 |
| PKSdf | 23 | 13.06 | 1.64 | PKiKP | 19 | 27.24 | 2.05 | PKiKP | 19 | 03.42 | 2.06 | PKPdf | 18 | 28.09 | 1.73 |
| SKPdf | 23 | 13.06 | 1.64 | pPKPdf | 19 | 51.19 | 1.75 | pPKPdf | 20 | 15.10 | 1.76 | PKiKP | 18 | 31.88 | 2.06 |
| PKSbc | 23 | 17.49 | 2.37 | pPKiKP | 19 | 54.66 | 2.05 | pPKiKP | 20 | 18.48 | 2.05 | sPdiff | 19 | 07.26 | 4.45 |
| SKPbc | 23 | 17.49 | 2.37 | sPKPdf | 20 | 01.56 | 1.75 | sPKPdf | 20 | 45.41 | 1.75 | pPKPdf | 20 | 46.79 | 1.76 |
| SKiKP | 23 | 18.35 | 2.06 | sPKiKP | 20 | 05.04 | 2.05 | sPKiKP | 20 | 48.84 | 2.05 | pPKiKP | 20 | 50.02 | 2.05 |
| SKSdf | 26 | 48.17 | 1.51 | PP | 22 | 38.40 | 5.99 | SKPdf | 22 | 05.08 | 1.64 | SKPdf | 21 | 06.24 | 1.63 |
| SKSac | 26 | 55.78 | 2.08 | SKPdf | 22 | 48.95 | 1.64 | SKPbc | 22 | 09.67 | 2.35 | SKPbc | 21 | 11.03 | 2.33 |
| PKKPdf | 28 | 47.01 | -1.92 | SKPbc | 22 | 53.42 | 2.36 | SKiKP | 22 | 10.46 | 2.06 | SKiKP | 21 | 11.73 | 2.06 |
| SKKSac | 29 | 45.25 | 5.72 | SKiKP | 22 | 54.26 | 2.06 | PP | 22 | 16.97 | 5.95 | sPKPdf | 21 | 44.23 | 1.76 |
| SKKPbc | 31 | 22.65 | -4.12 | PKSdf | 22 | 59.31 | 1.64 | PKSdf | 22 | 35.37 | 1.63 | sPKiKP | 21 | 47.58 | 2.05 |
| PKKSbc | 31 | 22.65 | -4.12 | PKSbc | 23 | 03.82 | 2.36 | PKSbc | 22 | 40.09 | 2.34 | PP | 21 | 49.89 | 5.88 |
| PKKSab | 31 | 23.07 | -4.42 | SKSdf | 26 | 24.05 | 1.51 | SKSdf | 25 | 40.17 | 1.51 | PKSdf | 22 | 03.62 | 1.62 |
| SKKPab | 31 | 23.07 | -4.42 | SKSac | 26 | 31.69 | 2.08 | SKSac | 25 | 47.89 | 2.07 | PKSbc | 22 | 08.71 | 2.30 |
| Sdiff | 31 | 29.84 | 8.34 | pSKSdf | 27 | 01.94 | 1.51 | pSKSdf | 27 | 25.90 | 1.52 | SKSdf | 24 | 41.29 | 1.50 |
| PKKSdf | 32 | 23.69 | -1.92 | pSKSac | 27 | 09.48 | 2.09 | pSKSac | 27 | 33.30 | 2.10 | PKKPdf | 27 | 37.82 | -1.92 |
| SKKPdf | 32 | 23.69 | -1.92 | sSKSdf | 27 | 12.29 | 1.51 | sSKSdf | 27 | 56.18 | 1.52 | SKKSac | 27 | 42.31 | 5.67 |
| SKKSac | 35 | 16.71 | -3.57 | sSKSac | 27 | 19.87 | 2.09 | sSKSac | 28 | 03.67 | 2.09 | pSKSdf | 27 | 57.69 | 1.53 |
| SKKSdf | 36 | 00.36 | -1.92 | PKKPdf | 28 | 33.29 | -1.92 | PKKPdf | 28 | 09.43 | -1.92 | pSKSac | 28 | 04.80 | 2.12 |
| SS | 41 | 36.22 | 11.50 | SKKSac | 29 | 21.65 | 5.71 | SKKSac | 28 | 38.98 | 5.70 | sSKSdf | 28 | 55.05 | 1.52 |
| S'S'ac | 43 | 01.78 | 7.54 | SKKPbc | 30 | 58.78 | -4.11 | SKKPbc | 30 | 15.48 | -4.09 | sSKSac | 29 | 02.39 | 2.11 |
| S'S'ac | 50 | 07.75 | -4.30 | SKKPab | 30 | 59.25 | -4.42 | SKKPab | 30 | 16.05 | -4.43 | SKKPbc | 29 | 17.64 | -4.06 |
| S'S'df | 51 | 25.64 | -1.92 | Sdiff | 31 | 06.91 | 8.34 | Sdiff | 30 | 25.76 | 8.34 | SKKPab | 29 | 18.44 | -4.43 |
| | | | | PKKSbc | 31 | 09.34 | -4.10 | PKKSbc | 30 | 46.43 | -4.07 | Sdiff | 29 | 31.95 | 8.34 |
| | | | | PKKSab | 31 | 09.84 | -4.42 | PKKSab | 30 | 47.16 | -4.43 | PKKSbc | 30 | 16.57 | -4.02 |
| | | | | pSdiff | 31 | 41.36 | 8.34 | SKKPdf | 31 | 15.77 | -1.92 | SKKPdf | 30 | 17.00 | -1.92 |
| | | | | sSdiff | 31 | 52.77 | 8.34 | PKKSdf | 31 | 46.10 | -1.92 | PKKSab | 30 | 17.77 | -4.44 |
| | | | | SKKPdf | 31 | 59.60 | -1.92 | pSdiff | 31 | 59.85 | 8.34 | PKKSdf | 31 | 14.50 | -1.92 |
| | | | | PKKSdf | 32 | 10.00 | -1.92 | sSdiff | 32 | 33.92 | 8.34 | pSdiff | 32 | 20.80 | 8.34 |
| | | | | SKKSac | 34 | 52.77 | -3.57 | SKKSac | 34 | 09.30 | -3.56 | SKKSac | 33 | 11.18 | -3.54 |
| | | | | SKKSdf | 35 | 36.26 | -1.92 | SKKSdf | 34 | 52.43 | -1.92 | sSdiff | 33 | 27.74 | 8.34 |
| | | | | SS | 41 | 14.45 | 11.47 | SS | 40 | 35.96 | 11.41 | SKKSdf | 33 | 53.66 | -1.92 |
| | | | | S'S'ac | 42 | 38.61 | 7.54 | S'S'ac | 41 | 56.93 | 7.53 | SS | 39 | 47.06 | 11.29 |
| | | | | S'S'ac | 49 | 43.91 | -4.30 | S'S'ac | 49 | 00.66 | -4.29 | S'S'ac | 41 | 02.11 | 7.52 |
| | | | | S'S'df | 51 | 01.54 | -1.92 | S'S'df | 50 | 17.72 | -1.92 | S'S'ac | 48 | 02.95 | -4.27 |
| | | | | | | | | | | | | S'S'df | 49 | 18.95 | -1.92 |

ak135

- 74 -

Delta : 146.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 40.90 | 1.70 | PKPdf | 19 | 27.15 | 1.70 | PKPdf | 19 | 03.23 | 1.69 | PKPdf | 18 | 31.51 | 1.68 |
| PKPbc | 19 | 41.65 | 3.04 | PKPbc | 19 | 28.09 | 3.00 | PKPbc | 19 | 04.60 | 2.91 | PKPbc | 18 | 33.58 | 2.78 |
| PKPab | 19 | 42.17 | 3.80 | PKPab | 19 | 28.78 | 3.83 | PKPab | 19 | 05.75 | 3.90 | PKPab | 18 | 35.77 | 3.99 |
| PKiKP | 19 | 45.06 | 2.06 | PKiKP | 19 | 31.35 | 2.06 | PKiKP | 19 | 07.53 | 2.06 | PKiKP | 18 | 35.99 | 2.06 |
| PP | 23 | 03.03 | 5.93 | pPKPdf | 19 | 54.65 | 1.70 | pPKPdf | 20 | 18.57 | 1.71 | pPKPdf | 20 | 50.28 | 1.72 |
| SKPdf | 23 | 16.28 | 1.58 | pPKPbc | 19 | 55.20 | 3.08 | pPKPbc | 20 | 18.61 | 3.22 | pPKiKP | 20 | 54.13 | 2.06 |
| PKSdf | 23 | 16.28 | 1.58 | pPKPab | 19 | 55.57 | 3.76 | pPKPab | 20 | 18.69 | 3.64 | SKPdf | 21 | 09.43 | 1.56 |
| PKSbc | 23 | 22.11 | 2.25 | pPKiKP | 19 | 58.77 | 2.06 | pPKiKP | 20 | 22.59 | 2.06 | SKPbc | 21 | 15.58 | 2.22 |
| SKPbc | 23 | 22.11 | 2.25 | sPKPdf | 20 | 05.01 | 1.70 | sPKPdf | 20 | 48.87 | 1.71 | SKiKP | 21 | 15.86 | 2.06 |
| SKiKP | 23 | 22.48 | 2.06 | sPKPbc | 20 | 05.65 | 3.06 | sPKPbc | 20 | 49.25 | 3.12 | sPKPbc | 21 | 47.55 | 3.30 |
| SKSdf | 26 | 51.13 | 1.44 | sPKPab | 20 | 06.08 | 3.78 | sPKPab | 20 | 49.50 | 3.73 | sPKPab | 21 | 47.57 | 3.58 |
| PKKPdf | 28 | 43.17 | -1.92 | sPKiKP | 20 | 09.15 | 2.06 | sPKiKP | 20 | 52.95 | 2.06 | sPKPdf | 21 | 47.70 | 1.71 |
| SKKSac | 29 | 56.62 | 5.65 | PP | 22 | 50.30 | 5.91 | SKPdf | 22 | 08.29 | 1.57 | sPKiKP | 21 | 51.69 | 2.06 |
| SKKPbc | 31 | 14.28 | -4.29 | SKPdf | 22 | 52.16 | 1.57 | SKPbc | 22 | 14.26 | 2.24 | PP | 22 | 01.58 | 5.81 |
| PKKSbc | 31 | 14.28 | -4.29 | SKPbc | 22 | 58.03 | 2.25 | SKiKP | 22 | 14.59 | 2.06 | PKSdf | 22 | 06.79 | 1.55 |
| PKKSab | 31 | 14.28 | -4.32 | SKiKP | 22 | 58.39 | 2.06 | PP | 22 | 28.80 | 5.88 | PKSbc | 22 | 13.21 | 2.20 |
| SKKPab | 31 | 14.28 | -4.32 | PKSdf | 23 | 02.52 | 1.57 | PKSdf | 22 | 38.57 | 1.57 | SKSdf | 24 | 44.22 | 1.43 |
| PKKSab | 31 | 14.28 | -4.35 | PKSbc | 23 | 08.43 | 2.25 | PKSbc | 22 | 44.66 | 2.23 | PKKPdf | 27 | 33.97 | -1.92 |
| PKKSdf | 32 | 19.85 | -1.92 | SKSdf | 26 | 27.00 | 1.44 | SKSdf | 25 | 43.11 | 1.44 | SKKSac | 27 | 53.58 | 5.60 |
| SKKPdf | 32 | 19.85 | -1.92 | pSKSdf | 27 | 04.90 | 1.45 | pSKSdf | 27 | 28.88 | 1.45 | pSKSdf | 28 | 00.70 | 1.47 |
| SKKSac | 35 | 09.52 | -3.62 | sSKSdf | 27 | 15.25 | 1.45 | sSKSdf | 27 | 59.14 | 1.45 | sSKSdf | 28 | 58.03 | 1.46 |
| SKKSdf | 35 | 56.52 | -1.92 | PKKPdf | 28 | 29.44 | -1.92 | PKKPdf | 28 | 05.58 | -1.92 | SKKPbc | 29 | 09.41 | -4.18 |
| SS | 41 | 59.10 | 11.38 | SKKSac | 29 | 33.01 | 5.65 | SKKSac | 28 | 50.31 | 5.63 | SKKPab | 29 | 09.60 | -4.40 |
| S'S'ac | 43 | 16.84 | 7.52 | SKKPbc | 30 | 50.43 | -4.26 | SKKPbc | 30 | 07.17 | -4.22 | PKKSbc | 30 | 08.44 | -4.12 |
| S'S'ac | 49 | 59.07 | -4.38 | SKKPab | 30 | 50.45 | -4.36 | SKKPab | 30 | 07.23 | -4.38 | PKKSab | 30 | 08.90 | -4.42 |
| S'S'df | 51 | 21.79 | -1.92 | PKKSbc | 31 | 01.00 | -4.24 | PKKSbc | 30 | 38.18 | -4.19 | SKKPdf | 30 | 13.15 | -1.92 |
| | | | | PKKSab | 31 | 01.03 | -4.37 | PKKSab | 30 | 38.32 | -4.40 | PKKSdf | 31 | 10.65 | -1.92 |
| | | | | SKKPdf | 31 | 55.75 | -1.92 | SKKPdf | 31 | 11.93 | -1.92 | SKKSac | 33 | 04.03 | -3.60 |
| | | | | PKKSdf | 32 | 06.12 | -1.92 | PKKSdf | 31 | 42.26 | -1.92 | SKKSdf | 33 | 49.82 | -1.92 |
| | | | | SKKSac | 34 | 45.58 | -3.62 | SKKSac | 34 | 02.13 | -3.61 | SS | 40 | 09.53 | 11.18 |
| | | | | SKKSdf | 35 | 32.42 | -1.92 | SKKSdf | 34 | 48.60 | -1.92 | S'S'ac | 41 | 17.14 | 7.51 |
| | | | | SS | 41 | 37.28 | 11.35 | SS | 40 | 58.66 | 11.29 | S'S'ac | 47 | 54.35 | -4.33 |
| | | | | S'S'ac | 42 | 53.67 | 7.52 | S'S'ac | 42 | 11.98 | 7.52 | S'S'df | 49 | 15.10 | -1.92 |
| | | | | S'S'ac | 49 | 35.24 | -4.37 | S'S'ac | 48 | 52.02 | -4.36 | | | | |
| | | | | S'S'df | 50 | 57.70 | -1.92 | S'S'df | 50 | 13.87 | -1.92 | | | | |

ak135

- 75 -

Delta : 148.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|--------|--------|-------|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 44.25 | 1.65 | PKPdf | 19 | 30.50 | 1.64 | PKPdf | 19 | 06.56 | 1.64 | PKPdf | 18 | 34.81 | 1.62 |
| PKPbc | 19 | 47.33 | 2.67 | PKPbc | 19 | 33.71 | 2.64 | PKPbc | 19 | 10.08 | 2.58 | PKPbc | 18 | 38.84 | 2.50 |
| PKiKP | 19 | 49.18 | 2.06 | PKiKP | 19 | 35.47 | 2.06 | PKiKP | 19 | 11.65 | 2.06 | PKiKP | 18 | 40.12 | 2.06 |
| PKPab | 19 | 50.00 | 3.99 | PKPab | 19 | 36.64 | 4.01 | PKPab | 19 | 13.71 | 4.05 | PKPab | 18 | 43.88 | 4.11 |
| PP | 23 | 14.80 | 5.85 | pPKPdf | 19 | 58.01 | 1.65 | pPKPdf | 20 | 21.94 | 1.66 | pPKPdf | 20 | 53.67 | 1.67 |
| SKPdf | 23 | 19.36 | 1.50 | pPKPbc | 20 | 00.95 | 2.69 | pPKPbc | 20 | 24.54 | 2.76 | pPKPbc | 20 | 55.57 | 2.91 |
| PKSdf | 23 | 19.36 | 1.50 | pPKiKP | 20 | 02.89 | 2.06 | pPKPab | 20 | 26.32 | 3.93 | pPKPab | 20 | 56.37 | 3.81 |
| SKPbc | 23 | 26.51 | 2.16 | pPKPab | 20 | 03.33 | 3.97 | pPKiKP | 20 | 26.71 | 2.06 | pPKiKP | 20 | 58.25 | 2.06 |
| PKSbc | 23 | 26.51 | 2.16 | sPKPdf | 20 | 08.36 | 1.65 | sPKPdf | 20 | 52.23 | 1.65 | SKPdf | 21 | 12.48 | 1.49 |
| SKiKP | 23 | 26.61 | 2.06 | sPKPbc | 20 | 11.37 | 2.68 | sPKPbc | 20 | 55.06 | 2.72 | SKPbc | 21 | 19.94 | 2.13 |
| SKSdf | 26 | 53.95 | 1.37 | sPKiKP | 20 | 13.27 | 2.06 | sPKiKP | 20 | 57.07 | 2.06 | SKiKP | 21 | 20.00 | 2.07 |
| PKKPdf | 28 | 39.32 | -1.92 | sPKPab | 20 | 13.87 | 3.98 | sPKPab | 20 | 57.22 | 3.96 | sPKPdf | 21 | 51.07 | 1.66 |
| SKKSac | 30 | 07.86 | 5.59 | SKPdf | 22 | 55.24 | 1.50 | SKPdf | 22 | 11.36 | 1.50 | sPKPbc | 21 | 53.55 | 2.79 |
| PKKSdf | 32 | 16.00 | -1.92 | PP | 23 | 02.05 | 5.84 | SKPbc | 22 | 18.64 | 2.15 | sPKPab | 21 | 55.14 | 3.91 |
| SKKPdf | 32 | 16.00 | -1.92 | SKPbc | 23 | 02.43 | 2.15 | SKiKP | 22 | 18.72 | 2.07 | sPKiKP | 21 | 55.80 | 2.06 |
| SKKSac | 35 | 02.21 | -3.68 | SKiKP | 23 | 02.52 | 2.06 | PP | 22 | 40.48 | 5.80 | PKSdf | 22 | 09.82 | 1.48 |
| SKKSdf | 35 | 52.68 | -1.92 | PKSdf | 23 | 05.60 | 1.50 | PKSdf | 22 | 41.63 | 1.49 | PP | 22 | 13.12 | 5.74 |
| SS | 42 | 21.74 | 11.26 | PKSbc | 23 | 12.82 | 2.15 | PKSbc | 22 | 49.02 | 2.14 | PKSbc | 22 | 17.52 | 2.11 |
| S'S'ac | 43 | 31.87 | 7.51 | SKSdf | 26 | 29.82 | 1.37 | SKSdf | 25 | 45.92 | 1.37 | SKSdf | 24 | 47.02 | 1.36 |
| S'S'ac | 49 | 50.25 | -4.45 | pSKSdf | 27 | 07.73 | 1.38 | pSKSdf | 27 | 31.72 | 1.38 | PKKPdf | 27 | 30.12 | -1.92 |
| S'S'df | 51 | 17.95 | -1.92 | sSKSdf | 27 | 18.08 | 1.38 | PKKPdf | 28 | 01.73 | -1.92 | pSKSdf | 28 | 03.56 | 1.40 |
| | | | | PKKPdf | 28 | 25.59 | -1.92 | sSKSdf | 28 | 01.97 | 1.38 | SKKSac | 28 | 04.72 | 5.54 |
| | | | | SKKSac | 29 | 44.24 | 5.58 | SKKSac | 29 | 01.50 | 5.56 | sSKSdf | 29 | 00.87 | 1.39 |
| | | | | SKKPdf | 31 | 51.91 | -1.92 | SKKPdf | 31 | 08.08 | -1.92 | PKKSbc | 30 | 00.08 | -4.26 |
| | | | | PKKSdf | 32 | 02.28 | -1.92 | PKKSdf | 31 | 38.42 | -1.92 | PKKSab | 30 | 00.10 | -4.37 |
| | | | | SKKSac | 34 | 38.29 | -3.68 | SKKSac | 33 | 54.85 | -3.67 | SKKPdf | 30 | 09.31 | -1.92 |
| | | | | SKKSdf | 35 | 28.58 | -1.92 | SKKSdf | 34 | 44.76 | -1.92 | PKKSdf | 31 | 06.81 | -1.92 |
| | | | | SS | 41 | 59.87 | 11.23 | SS | 41 | 21.13 | 11.17 | SKKSac | 32 | 56.78 | -3.65 |
| | | | | S'S'ac | 43 | 08.70 | 7.51 | S'S'ac | 42 | 26.99 | 7.50 | SKKSdf | 33 | 45.99 | -1.92 |
| | | | | S'S'ac | 49 | 26.43 | -4.44 | S'S'ac | 48 | 43.23 | -4.43 | SS | 40 | 31.77 | 11.06 |
| | | | | S'S'df | 50 | 53.85 | -1.92 | S'S'df | 50 | 10.02 | -1.92 | S'S'ac | 41 | 32.14 | 7.49 |
| | | | | | | | | | | | S'S'ac | 47 | 45.61 | -4.41 | |
| | | | | | | | | | | | S'S'df | 49 | 11.25 | -1.92 | |

ak135

Delta : 150.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 47.48 | 1.58 | PKPdf | 19 | 33.72 | 1.57 | PKPdf | 19 | 09.76 | 1.56 | PKPdf | 18 | 37.99 | 1.55 |
| PKPbc | 19 | 52.40 | 2.42 | PKPbc | 19 | 38.74 | 2.41 | PKPbc | 19 | 15.03 | 2.38 | PKPbc | 18 | 43.67 | 2.33 |
| PKiKP | 19 | 53.30 | 2.06 | PKiKP | 19 | 39.60 | 2.06 | PKiKP | 19 | 15.77 | 2.06 | PKiKP | 18 | 44.24 | 2.06 |
| PKPab | 19 | 58.09 | 4.11 | PKPab | 19 | 44.78 | 4.12 | PKPab | 19 | 21.90 | 4.14 | PKPab | 18 | 52.18 | 4.19 |
| SKPdf | 23 | 22.30 | 1.43 | pPKPdf | 20 | 01.24 | 1.58 | pPKPdf | 20 | 25.19 | 1.59 | pPKPdf | 20 | 56.95 | 1.61 |
| PKSdf | 23 | 22.30 | 1.43 | pPKPbc | 20 | 06.05 | 2.44 | pPKPbc | 20 | 29.75 | 2.47 | pPKPbc | 21 | 01.01 | 2.55 |
| PP | 23 | 26.43 | 5.78 | pPKiKP | 20 | 07.01 | 2.06 | pPKiKP | 20 | 30.83 | 2.06 | pPKiKP | 21 | 02.37 | 2.06 |
| SKSdf | 26 | 56.62 | 1.30 | pPKPab | 20 | 11.41 | 4.09 | pPKPab | 20 | 34.32 | 4.06 | pPKPab | 21 | 04.20 | 3.99 |
| PKKPdf | 28 | 35.47 | -1.92 | sPKPdf | 20 | 11.60 | 1.58 | sPKPdf | 20 | 55.47 | 1.58 | SKPdf | 21 | 15.39 | 1.42 |
| SKKSac | 30 | 18.96 | 5.52 | sPKPbc | 20 | 16.46 | 2.43 | sPKPbc | 21 | 00.19 | 2.45 | sPKPdf | 21 | 54.33 | 1.59 |
| PKKSdf | 32 | 12.16 | -1.92 | sPKiKP | 20 | 17.39 | 2.06 | sPKiKP | 21 | 01.20 | 2.06 | sPKPbc | 21 | 58.79 | 2.49 |
| SKKPdf | 32 | 12.16 | -1.92 | sPKPab | 20 | 21.96 | 4.10 | sPKPab | 21 | 05.27 | 4.08 | sPKiKP | 21 | 59.93 | 2.06 |
| SKKSac | 34 | 54.80 | -3.74 | SKPdf | 22 | 58.17 | 1.43 | SKPdf | 22 | 14.28 | 1.43 | sPKPab | 22 | 03.11 | 4.05 |
| SKKSdf | 35 | 48.84 | -1.92 | PKSdf | 23 | 08.53 | 1.43 | PKSdf | 22 | 44.54 | 1.42 | PKSdf | 22 | 12.71 | 1.41 |
| SS | 42 | 44.13 | 11.14 | PP | 23 | 13.65 | 5.76 | PP | 22 | 52.01 | 5.73 | PP | 22 | 24.52 | 5.67 |
| S'S'ac | 43 | 46.87 | 7.49 | SKSdf | 26 | 32.49 | 1.30 | SKSdf | 25 | 48.59 | 1.29 | SKSdf | 24 | 49.67 | 1.29 |
| S'S'ac | 49 | 41.28 | -4.52 | pSKSdf | 27 | 10.41 | 1.30 | pSKSdf | 27 | 34.42 | 1.31 | PKKPdf | 27 | 26.27 | -1.92 |
| | | | | sSKSdf | 27 | 20.76 | 1.30 | PKKPdf | 27 | 57.88 | -1.92 | pSKSdf | 28 | 06.29 | 1.32 |
| | | | | PKKPdf | 28 | 21.74 | -1.92 | sSKSdf | 28 | 04.66 | 1.31 | SKKSac | 28 | 15.73 | 5.47 |
| | | | | SKKSac | 29 | 55.33 | 5.51 | SKKSac | 29 | 12.57 | 5.50 | sSKSdf | 29 | 03.58 | 1.31 |
| | | | | SKKPdf | 31 | 48.06 | -1.92 | SKKPdf | 31 | 04.23 | -1.92 | SKKPdf | 30 | 05.46 | -1.92 |
| | | | | PKKSdf | 31 | 58.43 | -1.92 | PKKSdf | 31 | 34.57 | -1.92 | PKKSdf | 31 | 02.96 | -1.92 |
| | | | | SKKSac | 34 | 30.88 | -3.73 | SKKSac | 33 | 47.45 | -3.72 | SKKSac | 32 | 49.42 | -3.71 |
| | | | | SKKSdf | 35 | 24.74 | -1.92 | SKKSdf | 34 | 40.92 | -1.92 | SKKSdf | 33 | 42.14 | -1.92 |
| | | | | SS | 42 | 22.21 | 11.11 | SS | 41 | 43.36 | 11.06 | SS | 40 | 53.78 | 10.95 |
| | | | | S'S'ac | 43 | 23.69 | 7.49 | S'S'ac | 42 | 41.97 | 7.48 | S'S'ac | 41 | 47.08 | 7.44 |
| | | | | S'S'ac | 49 | 17.47 | -4.51 | S'S'ac | 48 | 34.31 | -4.50 | S'S'ac | 47 | 36.73 | -4.48 |
| | | | | | | | | | | | | S'S'df | 49 | 07.40 | -1.92 |

ak135

- 77 -

Delta : 152.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 50.55 | 1.50 | PKPdf | 19 | 36.78 | 1.49 | PKPdf | 19 | 12.81 | 1.49 | PKPdf | 18 | 41.00 | 1.47 |
| PKPbc | 19 | 57.08 | 2.27 | PKPbc | 19 | 43.40 | 2.26 | PKPbc | 19 | 19.64 | 2.24 | PKPbc | 18 | 48.19 | 2.20 |
| PKiKP | 19 | 57.43 | 2.06 | PKiKP | 19 | 43.72 | 2.06 | PKiKP | 19 | 19.90 | 2.06 | PKiKP | 18 | 48.37 | 2.06 |
| PKPab | 20 | 06.39 | 4.18 | PKPab | 19 | 53.10 | 4.19 | PKPab | 19 | 30.27 | 4.21 | PKPab | 19 | 00.62 | 4.25 |
| SKPdf | 23 | 25.08 | 1.35 | pPKPdf | 20 | 04.32 | 1.50 | pPKPdf | 20 | 28.29 | 1.51 | pPKPdf | 21 | 00.08 | 1.53 |
| PKSdf | 23 | 25.08 | 1.35 | pPKPbc | 20 | 10.76 | 2.28 | pPKPbc | 20 | 34.51 | 2.30 | pPKPbc | 21 | 05.89 | 2.35 |
| PP | 23 | 37.91 | 5.70 | pPKiKP | 20 | 11.14 | 2.06 | pPKiKP | 20 | 34.96 | 2.06 | pPKiKP | 21 | 06.49 | 2.06 |
| SKSdf | 26 | 59.15 | 1.22 | sPKPdf | 20 | 14.67 | 1.50 | pPKPab | 20 | 42.54 | 4.15 | pPKPab | 21 | 12.31 | 4.10 |
| SKKSac | 30 | 29.94 | 5.45 | pPKPab | 20 | 19.69 | 4.18 | sPKPdf | 20 | 58.56 | 1.50 | SKPdf | 21 | 18.15 | 1.34 |
| SKKPdf | 32 | 08.31 | -1.92 | sPKPbc | 20 | 21.16 | 2.27 | sPKPbc | 21 | 04.92 | 2.29 | sPKPdf | 21 | 57.43 | 1.51 |
| PKKSdf | 32 | 08.31 | -1.92 | sPKiKP | 20 | 21.52 | 2.06 | sPKiKP | 21 | 05.32 | 2.06 | sPKPbc | 22 | 03.58 | 2.31 |
| SKKSac | 34 | 47.27 | -3.79 | sPKPab | 20 | 30.25 | 4.18 | sPKPab | 21 | 13.53 | 4.17 | sPKiKP | 22 | 04.05 | 2.06 |
| SKKSdf | 35 | 44.99 | -1.92 | SKPdf | 23 | 00.96 | 1.35 | SKPdf | 22 | 17.05 | 1.35 | sPKPab | 22 | 11.31 | 4.15 |
| SS | 43 | 06.30 | 11.02 | PKSdf | 23 | 11.30 | 1.35 | PKSdf | 22 | 47.30 | 1.34 | PKSdf | 22 | 15.44 | 1.33 |
| S'S'ac | 44 | 01.81 | 7.44 | PP | 23 | 25.10 | 5.69 | PP | 23 | 03.39 | 5.66 | PP | 22 | 35.79 | 5.60 |
| S'S'ac | 49 | 32.17 | -4.60 | SKSdf | 26 | 35.01 | 1.22 | SKSdf | 25 | 51.10 | 1.22 | SKSdf | 24 | 52.17 | 1.21 |
| | | | | pSKSdf | 27 | 12.94 | 1.23 | pSKSdf | 27 | 36.96 | 1.23 | pSKSdf | 28 | 08.86 | 1.25 |
| | | | | sSKSdf | 27 | 23.28 | 1.22 | sSKSdf | 28 | 07.20 | 1.23 | SKKSac | 28 | 26.61 | 5.41 |
| | | | | SKKSac | 30 | 06.29 | 5.45 | SKKSac | 29 | 23.50 | 5.43 | sSKSdf | 29 | 06.12 | 1.24 |
| | | | | SKKPdf | 31 | 44.21 | -1.92 | SKKPdf | 31 | 00.39 | -1.92 | SKKPdf | 30 | 01.62 | -1.92 |
| | | | | PKKSdf | 31 | 54.59 | -1.92 | PKKSdf | 31 | 30.72 | -1.92 | PKKSdf | 30 | 59.12 | -1.92 |
| | | | | SKKSac | 34 | 23.36 | -3.79 | SKKSac | 33 | 39.95 | -3.78 | SKKSac | 32 | 41.94 | -3.76 |
| | | | | SKKSdf | 35 | 20.90 | -1.92 | SKKSdf | 34 | 37.07 | -1.92 | SKKSdf | 33 | 38.30 | -1.92 |
| | | | | SS | 42 | 44.33 | 11.00 | SS | 42 | 05.36 | 10.94 | SS | 41 | 15.56 | 10.83 |
| | | | | S'S'ac | 43 | 38.62 | 7.42 | S'S'ac | 42 | 56.85 | 7.37 | S'S'ac | 42 | 01.81 | 7.31 |
| | | | | S'S'ac | 49 | 08.37 | -4.59 | S'S'ac | 48 | 25.23 | -4.58 | S'S'ac | 47 | 27.71 | -4.55 |

ak135

Delta : 154.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 53.47 | 1.41 | PKPdf | 19 | 39.69 | 1.41 | PKPdf | 19 | 15.70 | 1.40 | PKPdf | 18 | 43.86 | 1.39 |
| PKPbc | 20 | 01.49 | 2.15 | PKPbc | 19 | 47.80 | 2.14 | PKPbc | 19 | 24.00 | 2.13 | PKPbc | 18 | 52.49 | 2.10 |
| PKiKP | 20 | 01.56 | 2.07 | PKiKP | 19 | 47.85 | 2.07 | PKiKP | 19 | 24.03 | 2.07 | PKiKP | 18 | 52.50 | 2.07 |
| PKPab | 20 | 14.82 | 4.24 | PKPab | 20 | 01.54 | 4.25 | PKPab | 19 | 38.75 | 4.27 | PKPab | 19 | 09.17 | 4.29 |
| SKPdf | 23 | 27.71 | 1.27 | pPKPdf | 20 | 07.24 | 1.42 | pPKPdf | 20 | 31.23 | 1.43 | pPKPdf | 21 | 03.05 | 1.44 |
| PKSdf | 23 | 27.71 | 1.27 | pPKPbc | 20 | 15.19 | 2.16 | pPKPbc | 20 | 38.98 | 2.17 | pPKPbc | 21 | 10.44 | 2.21 |
| PP | 23 | 49.24 | 5.63 | pPKiKP | 20 | 15.27 | 2.07 | pPKiKP | 20 | 39.09 | 2.06 | pPKiKP | 21 | 10.62 | 2.06 |
| SKSdf | 27 | 01.51 | 1.14 | sPKPdf | 20 | 17.59 | 1.42 | pPKPab | 20 | 50.92 | 4.22 | pPKPab | 21 | 20.60 | 4.18 |
| SKKSac | 30 | 40.78 | 5.39 | sPKPbc | 20 | 25.57 | 2.15 | sPKPdf | 21 | 01.48 | 1.42 | SKPdf | 21 | 20.74 | 1.25 |
| SKKPdf | 32 | 04.46 | -1.92 | sPKiKP | 20 | 25.65 | 2.07 | sPKPbc | 21 | 09.36 | 2.16 | sPKPdf | 22 | 00.38 | 1.43 |
| PKKSdf | 32 | 04.46 | -1.92 | pPKPab | 20 | 28.10 | 4.24 | sPKiKP | 21 | 09.45 | 2.07 | sPKPbc | 22 | 08.06 | 2.18 |
| SKKSac | 34 | 39.63 | -3.85 | sPKPab | 20 | 38.67 | 4.24 | sPKPab | 21 | 21.93 | 4.23 | sPKiKP | 22 | 08.18 | 2.06 |
| SKKSdf | 35 | 41.15 | -1.92 | SKPdf | 23 | 03.57 | 1.27 | SKPdf | 22 | 19.66 | 1.26 | PKSdf | 22 | 18.01 | 1.24 |
| SS | 43 | 28.22 | 10.90 | PKSdf | 23 | 13.92 | 1.26 | PKSdf | 22 | 49.90 | 1.26 | sPKPab | 22 | 19.68 | 4.21 |
| S'S'ac | 44 | 16.55 | 7.31 | PP | 23 | 36.40 | 5.62 | PP | 23 | 14.63 | 5.59 | PP | 22 | 46.91 | 5.52 |
| S'S'ac | 49 | 22.90 | -4.67 | SKSdf | 26 | 37.38 | 1.14 | SKSdf | 25 | 53.46 | 1.14 | SKSdf | 24 | 54.51 | 1.13 |
| | | | | pSKSdf | 27 | 15.31 | 1.15 | pSKSdf | 27 | 39.35 | 1.15 | pSKSdf | 28 | 11.27 | 1.17 |
| | | | | sSKSdf | 27 | 25.65 | 1.14 | sSKSdf | 28 | 09.57 | 1.15 | SKKSac | 28 | 37.36 | 5.34 |
| | | | | SKKSac | 30 | 17.12 | 5.38 | SKKSac | 29 | 34.30 | 5.37 | sSKSdf | 29 | 08.51 | 1.16 |
| | | | | SKKPdf | 31 | 40.36 | -1.92 | SKKPdf | 30 | 56.54 | -1.92 | SKKPdf | 29 | 57.77 | -1.92 |
| | | | | PKKSdf | 31 | 50.74 | -1.92 | PKKSdf | 31 | 26.87 | -1.92 | PKKSdf | 30 | 55.27 | -1.92 |
| | | | | SKKSac | 34 | 15.73 | -3.84 | SKKSac | 33 | 32.34 | -3.83 | SKKSac | 32 | 34.36 | -3.82 |
| | | | | SKKSdf | 35 | 17.05 | -1.92 | SKKSdf | 34 | 33.23 | -1.92 | SKKSdf | 33 | 34.45 | -1.92 |
| | | | | SS | 43 | 06.20 | 10.88 | SS | 42 | 27.12 | 10.82 | SS | 41 | 37.10 | 10.71 |
| | | | | S'S'ac | 43 | 53.32 | 7.29 | S'S'ac | 43 | 11.48 | 7.26 | S'S'ac | 42 | 16.33 | 7.21 |
| | | | | S'S'ac | 48 | 59.11 | -4.67 | S'S'ac | 48 | 16.00 | -4.65 | S'S'ac | 47 | 18.53 | -4.63 |

ak135

- 79 -

Delta : 156.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 56.20 | 1.32 | PKPdf | 19 | 42.42 | 1.32 | PKPdf | 19 | 18.42 | 1.31 | PKPdf | 18 | 46.54 | 1.29 |
| PKPab | 20 | 23.36 | 4.29 | pPKPdf | 20 | 10.00 | 1.33 | PKPab | 19 | 47.33 | 4.31 | PKPab | 19 | 17.79 | 4.33 |
| SKPdf | 23 | 30.15 | 1.18 | PKPab | 20 | 10.09 | 4.30 | pPKPdf | 20 | 33.99 | 1.34 | pPKPdf | 21 | 05.85 | 1.35 |
| PKSdf | 23 | 30.15 | 1.18 | sPKPdf | 20 | 20.33 | 1.33 | pPKPab | 20 | 59.41 | 4.27 | pPKPbc | 21 | 14.74 | 2.10 |
| PP | 24 | 00.43 | 5.56 | pPKPab | 20 | 36.63 | 4.28 | sPKPdf | 21 | 04.24 | 1.33 | pPKiKP | 21 | 14.75 | 2.07 |
| SKSdf | 27 | 03.72 | 1.06 | sPKPab | 20 | 47.20 | 4.29 | sPKPab | 21 | 30.45 | 4.28 | SKPdf | 21 | 23.16 | 1.17 |
| SKKSac | 30 | 51.49 | 5.32 | SKPdf | 23 | 06.02 | 1.18 | SKPdf | 22 | 22.10 | 1.17 | pPKPab | 21 | 29.02 | 4.24 |
| SKKSac | 34 | 31.89 | -3.90 | PKSdf | 23 | 16.36 | 1.18 | PKSdf | 22 | 52.33 | 1.17 | sPKPdf | 22 | 03.15 | 1.34 |
| SKKSdf | 35 | 37.30 | -1.92 | PP | 23 | 47.57 | 5.54 | PP | 23 | 25.73 | 5.51 | sPKiKP | 22 | 12.31 | 2.07 |
| SS | 43 | 49.91 | 10.78 | SKSdf | 26 | 39.58 | 1.06 | SKSdf | 25 | 55.65 | 1.06 | sPKPbc | 22 | 12.31 | 2.07 |
| S'S'ac | 44 | 31.06 | 7.21 | pSKSdf | 27 | 17.52 | 1.06 | pSKSdf | 27 | 41.57 | 1.07 | PKSdf | 22 | 20.41 | 1.16 |
| S'S'ac | 49 | 13.47 | -4.75 | sSKSdf | 27 | 27.86 | 1.06 | sSKSdf | 28 | 11.79 | 1.07 | sPKPab | 22 | 28.16 | 4.27 |
| | | | | SKKSac | 30 | 27.82 | 5.32 | SKKSac | 29 | 44.97 | 5.30 | PP | 22 | 57.88 | 5.45 |
| | | | | SKKSac | 34 | 07.99 | -3.90 | PKKSdf | 31 | 23.03 | -1.92 | SKSdf | 24 | 56.69 | 1.05 |
| | | | | SKKSdf | 35 | 13.20 | -1.92 | SKKSac | 33 | 24.62 | -3.89 | pSKSdf | 28 | 13.51 | 1.08 |
| | | | | SS | 43 | 27.84 | 10.76 | SKKSdf | 34 | 29.38 | -1.92 | SKKSac | 28 | 47.98 | 5.28 |
| | | | | S'S'ac | 44 | 07.81 | 7.19 | SS | 42 | 48.64 | 10.70 | sSKSdf | 29 | 10.74 | 1.07 |
| | | | | S'S'ac | 48 | 49.70 | -4.75 | S'S'ac | 43 | 25.91 | 7.16 | SKKPdf | 29 | 53.92 | -1.92 |
| | | | | | | | | S'S'ac | 48 | 06.62 | -4.73 | PKKSdf | 30 | 51.42 | -1.92 |
| | | | | | | | | | | | | SKKSac | 32 | 26.67 | -3.87 |
| | | | | | | | | | | | | SKKSdf | 33 | 30.61 | -1.92 |
| | | | | | | | | | | | | SS | 41 | 58.41 | 10.60 |
| | | | | | | | | | | | | S'S'ac | 42 | 30.65 | 7.10 |
| | | | | | | | | | | | | S'S'ac | 47 | 09.20 | -4.71 |

ak135

- 80 -

Delta : 158.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 19 | 58.75 | 1.23 | PKPdf | 19 | 44.96 | 1.22 | PKPdf | 19 | 20.94 | 1.21 | PKPdf | 18 | 49.03 | 1.20 |
| PKPab | 20 | 31.98 | 4.33 | pPKPdf | 20 | 12.55 | 1.23 | PKPab | 19 | 55.97 | 4.34 | PKPab | 19 | 26.48 | 4.36 |
| SKPdf | 23 | 32.42 | 1.09 | PKPab | 20 | 18.72 | 4.33 | pPKPdf | 20 | 36.57 | 1.24 | pPKPdf | 21 | 08.46 | 1.26 |
| PKSdf | 23 | 32.42 | 1.09 | sPKPdf | 20 | 22.89 | 1.23 | sPKPdf | 21 | 06.80 | 1.23 | SKPdf | 21 | 25.40 | 1.08 |
| PP | 24 | 11.48 | 5.49 | pPKPab | 20 | 45.23 | 4.32 | pPKPab | 21 | 07.99 | 4.31 | pPKPab | 21 | 37.55 | 4.29 |
| SKSdf | 27 | 05.76 | 0.98 | sPKPab | 20 | 55.81 | 4.32 | sPKPab | 21 | 39.05 | 4.32 | sPKPdf | 22 | 05.73 | 1.24 |
| SKKSac | 31 | 02.08 | 5.26 | SKPdf | 23 | 08.28 | 1.09 | SKPdf | 22 | 24.36 | 1.08 | PKSdf | 22 | 22.63 | 1.07 |
| SKKSac | 34 | 24.03 | -3.96 | PKSdf | 23 | 18.62 | 1.09 | PKSdf | 22 | 54.58 | 1.08 | sPKPab | 22 | 36.73 | 4.31 |
| SKKSdf | 35 | 33.45 | -1.92 | PP | 23 | 58.58 | 5.47 | PP | 23 | 36.69 | 5.44 | PP | 23 | 08.72 | 5.38 |
| SS | 44 | 11.35 | 10.66 | SKSdf | 26 | 41.61 | 0.98 | SKSdf | 25 | 57.68 | 0.97 | SKSdf | 24 | 58.71 | 0.97 |
| S'S'ac | 44 | 45.37 | 7.10 | pSKSdf | 27 | 19.57 | 0.98 | pSKSdf | 27 | 43.63 | 0.99 | pSKSdf | 28 | 15.59 | 1.00 |
| S'S'ac | 49 | 03.88 | -4.84 | sSKSdf | 27 | 29.90 | 0.98 | sSKSdf | 28 | 13.84 | 0.98 | SKKSac | 28 | 58.47 | 5.21 |
| | | | | SKKSac | 30 | 38.40 | 5.25 | SKKSac | 29 | 55.52 | 5.24 | sSKSdf | 29 | 12.80 | 0.99 |
| | | | | SKKSac | 34 | 00.14 | -3.95 | SKKSac | 33 | 16.78 | -3.95 | SKKSac | 32 | 18.87 | -3.93 |
| | | | | SKKSdf | 35 | 09.36 | -1.92 | SKKSdf | 34 | 25.53 | -1.92 | SKKSdf | 33 | 26.76 | -1.92 |
| | | | | SS | 43 | 49.24 | 10.64 | SS | 43 | 09.93 | 10.59 | SS | 42 | 19.49 | 10.48 |
| | | | | S'S'ac | 44 | 22.09 | 7.09 | S'S'ac | 43 | 40.13 | 7.05 | S'S'ac | 42 | 44.74 | 6.99 |
| | | | | S'S'ac | 48 | 40.12 | -4.83 | S'S'ac | 47 | 57.07 | -4.81 | S'S'ac | 46 | 59.71 | -4.78 |

ak135

- 81 -

Delta : 160.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 01.11 | 1.12 | PKPdf | 19 | 47.31 | 1.12 | PKPdf | 19 | 23.27 | 1.11 | PKPdf | 18 | 51.33 | 1.10 |
| PKPab | 20 | 40.66 | 4.36 | pPKPdf | 20 | 14.90 | 1.13 | PKPab | 20 | 04.68 | 4.37 | PKPab | 19 | 35.22 | 4.38 |
| SKPdf | 23 | 34.51 | 1.00 | sPKPdf | 20 | 25.24 | 1.13 | pPKPdf | 20 | 38.94 | 1.14 | pPKPdf | 21 | 10.87 | 1.15 |
| PKSdf | 23 | 34.51 | 1.00 | PKPab | 20 | 27.41 | 4.36 | sPKPdf | 21 | 09.17 | 1.13 | SKPdf | 21 | 27.46 | 0.98 |
| PP | 24 | 22.37 | 5.41 | pPKPab | 20 | 53.91 | 4.35 | pPKPab | 21 | 16.65 | 4.34 | pPKPab | 21 | 46.16 | 4.32 |
| SKSdf | 27 | 07.63 | 0.89 | sPKPab | 21 | 04.49 | 4.35 | sPKPab | 21 | 47.71 | 4.35 | sPKPdf | 22 | 08.11 | 1.14 |
| SKKSac | 31 | 12.53 | 5.19 | SKPdf | 23 | 10.36 | 0.99 | SKPdf | 22 | 26.43 | 0.99 | PKSdf | 22 | 24.67 | 0.97 |
| SKKSac | 34 | 16.06 | -4.01 | PKSdf | 23 | 20.70 | 0.99 | PKSdf | 22 | 56.64 | 0.99 | sPKPab | 22 | 45.38 | 4.34 |
| SKKSdf | 35 | 29.60 | -1.92 | PP | 24 | 09.45 | 5.40 | PP | 23 | 47.49 | 5.36 | PP | 23 | 19.40 | 5.30 |
| SS | 44 | 32.56 | 10.55 | SKSdf | 26 | 43.48 | 0.89 | SKSdf | 25 | 59.54 | 0.89 | SKSdf | 25 | 00.56 | 0.88 |
| S'S'ac | 44 | 59.45 | 6.98 | pSKSdf | 27 | 21.44 | 0.89 | pSKSdf | 27 | 45.51 | 0.90 | pSKSdf | 28 | 17.50 | 0.91 |
| S'S'ac | 48 | 54.12 | -4.92 | sSKSdf | 27 | 31.77 | 0.89 | sSKSdf | 28 | 15.72 | 0.90 | SKKSac | 29 | 08.84 | 5.15 |
| SS | 50 | 45.71 | -8.34 | SKKSac | 30 | 48.84 | 5.19 | SKKSac | 30 | 05.93 | 5.18 | sSKSdf | 29 | 14.69 | 0.90 |
| | | | | SKKSac | 33 | 52.17 | -4.01 | SKKSac | 33 | 08.84 | -4.00 | SKKSac | 32 | 10.95 | -3.98 |
| | | | | SKKSdf | 35 | 05.51 | -1.92 | SKKSdf | 34 | 21.68 | -1.92 | SKKSdf | 33 | 22.91 | -1.92 |
| | | | | SS | 44 | 10.40 | 10.52 | SS | 43 | 30.98 | 10.47 | SS | 42 | 40.33 | 10.36 |
| | | | | S'S'ac | 44 | 36.14 | 6.96 | S'S'ac | 43 | 54.11 | 6.93 | S'S'ac | 42 | 58.59 | 6.87 |
| | | | | S'S'ac | 48 | 30.38 | -4.91 | S'S'ac | 47 | 47.36 | -4.89 | S'S'ac | 46 | 50.06 | -4.87 |

ak135

- 82 -

Delta : 162.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 03.25 | 1.02 | PKPdf | 19 | 49.44 | 1.02 | PKPdf | 19 | 25.39 | 1.01 | PKPdf | 18 | 53.42 | 0.99 |
| PKPab | 20 | 49.39 | 4.38 | pPKPdf | 20 | 17.05 | 1.02 | PKPab | 20 | 13.44 | 4.39 | PKPab | 19 | 44.00 | 4.40 |
| PKSdf | 23 | 36.41 | 0.90 | sPKPdf | 20 | 27.39 | 1.02 | pPKPdf | 20 | 41.11 | 1.03 | pPKPdf | 21 | 13.07 | 1.05 |
| SKPdf | 23 | 36.41 | 0.90 | PKPab | 20 | 36.15 | 4.38 | sPKPdf | 21 | 11.32 | 1.03 | SKPdf | 21 | 29.34 | 0.89 |
| PP | 24 | 33.12 | 5.33 | pPKPab | 21 | 02.64 | 4.38 | pPKPab | 21 | 25.36 | 4.37 | pPKPab | 21 | 54.84 | 4.35 |
| SKSdf | 27 | 09.33 | 0.81 | sPKPab | 21 | 13.22 | 4.38 | sPKPab | 21 | 56.44 | 4.37 | sPKPdf | 22 | 10.28 | 1.03 |
| PP | 27 | 25.18 | -4.47 | SKPdf | 23 | 12.26 | 0.90 | SKPdf | 22 | 28.32 | 0.90 | PKSdf | 22 | 26.53 | 0.88 |
| SKKSac | 31 | 22.85 | 5.13 | PKSdf | 23 | 22.59 | 0.90 | PKSdf | 22 | 58.52 | 0.89 | sPKPab | 22 | 54.09 | 4.37 |
| SKKSac | 34 | 07.98 | -4.07 | PP | 24 | 20.17 | 5.32 | PP | 23 | 58.15 | 5.29 | PP | 23 | 29.93 | 5.23 |
| SS | 44 | 53.53 | 10.43 | SKSdf | 26 | 45.18 | 0.80 | SKSdf | 26 | 01.23 | 0.80 | SKSdf | 25 | 02.24 | 0.80 |
| S'S'ac | 45 | 13.29 | 6.86 | PP | 27 | 11.96 | -4.46 | PP | 26 | 49.30 | -4.45 | pSKSdf | 28 | 19.24 | 0.82 |
| S'S'ac | 48 | 44.21 | -5.00 | pSKSdf | 27 | 23.14 | 0.81 | pSKSdf | 27 | 47.22 | 0.81 | sSKSdf | 29 | 16.41 | 0.81 |
| SS | 50 | 28.94 | -8.43 | sSKSdf | 27 | 33.47 | 0.81 | sSKSdf | 28 | 17.42 | 0.81 | SKKSac | 29 | 19.08 | 5.09 |
| | | | | SKKSac | 30 | 59.15 | 5.13 | SKKSac | 30 | 16.22 | 5.11 | SKKSac | 32 | 02.93 | -4.04 |
| | | | | SKKSac | 33 | 44.10 | -4.06 | SKKSac | 33 | 00.78 | -4.06 | SS | 43 | 00.93 | 10.23 |
| | | | | SS | 44 | 31.32 | 10.40 | SS | 43 | 51.80 | 10.34 | S'S'ac | 43 | 12.20 | 6.75 |
| | | | | S'S'ac | 44 | 49.95 | 6.84 | S'S'ac | 44 | 07.84 | 6.81 | S'S'ac | 46 | 40.25 | -4.95 |
| | | | | S'S'ac | 48 | 20.48 | -4.99 | S'S'ac | 47 | 37.49 | -4.98 | | | | |
| | | | | SS | 50 | 06.03 | -8.42 | SS | 49 | 24.92 | -8.39 | | | | |

ak135

- 83 -

Delta : 164.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 05.18 | 0.91 | PKPdf | 19 | 51.37 | 0.91 | PKPdf | 19 | 27.30 | 0.90 | PKPdf | 18 | 55.31 | 0.89 |
| PKPab | 20 | 58.17 | 4.40 | pPKPdf | 20 | 18.99 | 0.91 | PKPab | 20 | 22.23 | 4.40 | PKPab | 19 | 52.81 | 4.41 |
| PKSdf | 23 | 38.11 | 0.80 | sPKPdf | 20 | 29.33 | 0.91 | pPKPdf | 20 | 43.06 | 0.92 | pPKPdf | 21 | 15.05 | 0.93 |
| SKPdf | 23 | 38.11 | 0.80 | PKPab | 20 | 44.93 | 4.40 | sPKPdf | 21 | 13.27 | 0.92 | SKPdf | 21 | 31.02 | 0.79 |
| PP | 24 | 43.71 | 5.26 | pPKPab | 21 | 11.41 | 4.39 | pPKPab | 21 | 34.12 | 4.39 | pPKPab | 22 | 03.57 | 4.38 |
| SKSdf | 27 | 10.85 | 0.72 | sPKPab | 21 | 22.00 | 4.40 | sPKPab | 22 | 05.20 | 4.39 | sPKPdf | 22 | 12.24 | 0.92 |
| PP | 27 | 16.22 | -4.50 | SKPdf | 23 | 13.96 | 0.80 | SKPdf | 22 | 30.01 | 0.80 | PKSdf | 22 | 28.19 | 0.79 |
| SKKSac | 31 | 33.05 | 5.07 | PKSdf | 23 | 24.29 | 0.80 | PKSdf | 23 | 00.21 | 0.80 | sPKPab | 23 | 02.84 | 4.39 |
| SKKSac | 33 | 59.78 | -4.12 | PP | 24 | 30.73 | 5.24 | PP | 24 | 08.65 | 5.21 | PP | 23 | 40.32 | 5.16 |
| SS | 45 | 14.26 | 10.30 | SKSdf | 26 | 46.70 | 0.72 | SKSdf | 26 | 02.75 | 0.71 | SKSdf | 25 | 03.74 | 0.71 |
| S'S'ac | 45 | 26.88 | 6.73 | PP | 27 | 03.01 | -4.49 | PP | 26 | 40.37 | -4.48 | PP | 26 | 11.02 | -4.46 |
| S'S'ac | 48 | 34.13 | -5.08 | pSKSdf | 27 | 24.67 | 0.72 | pSKSdf | 27 | 48.76 | 0.72 | pSKSdf | 28 | 20.79 | 0.73 |
| SS | 50 | 12.01 | -8.51 | sSKSdf | 27 | 35.00 | 0.72 | sSKSdf | 28 | 18.95 | 0.72 | sSKSdf | 29 | 17.95 | 0.73 |
| | | | | SKKSac | 31 | 09.34 | 5.06 | SKKSac | 30 | 26.38 | 5.05 | SKKSac | 29 | 29.19 | 5.03 |
| | | | | SKKSac | 33 | 35.92 | -4.12 | SKKSac | 32 | 52.62 | -4.11 | SKKSac | 31 | 54.80 | -4.09 |
| | | | | SS | 44 | 52.00 | 10.27 | SS | 44 | 12.35 | 10.22 | SS | 43 | 21.27 | 10.11 |
| | | | | S'S'ac | 45 | 03.51 | 6.72 | S'S'ac | 44 | 21.34 | 6.69 | S'S'ac | 43 | 25.57 | 6.62 |
| | | | | S'S'ac | 48 | 10.41 | -5.07 | S'S'ac | 47 | 27.46 | -5.06 | S'S'ac | 46 | 30.28 | -5.03 |
| | | | | SS | 49 | 49.12 | -8.49 | SS | 49 | 08.07 | -8.47 | SS | 48 | 14.39 | -8.41 |

ak135

- 84 -

Delta : 166.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 06.89 | 0.80 | PKPdf | 19 | 53.07 | 0.80 | PKPdf | 19 | 28.99 | 0.79 | PKPdf | 18 | 56.97 | 0.78 |
| PKPab | 21 | 06.98 | 4.41 | pPKPdf | 20 | 20.71 | 0.80 | PKPab | 20 | 31.06 | 4.42 | PKPab | 20 | 01.65 | 4.42 |
| SKPdf | 23 | 39.62 | 0.71 | sPKPdf | 20 | 31.04 | 0.80 | pPKPdf | 20 | 44.79 | 0.81 | pPKPdf | 21 | 16.80 | 0.82 |
| PKSdf | 23 | 39.62 | 0.71 | PKPab | 20 | 53.75 | 4.41 | sPKPdf | 21 | 14.99 | 0.81 | SKPdf | 21 | 32.51 | 0.70 |
| PP | 24 | 54.15 | 5.18 | pPKPab | 21 | 20.21 | 4.41 | pPKPab | 21 | 42.91 | 4.41 | pPKPab | 22 | 12.34 | 4.40 |
| PP | 27 | 07.20 | -4.52 | sPKPab | 21 | 30.80 | 4.41 | sPKPab | 22 | 14.01 | 4.41 | sPKPdf | 22 | 13.98 | 0.81 |
| SKSdf | 27 | 12.20 | 0.63 | SKPdf | 23 | 15.47 | 0.70 | SKPdf | 22 | 31.51 | 0.70 | PKSdf | 22 | 29.67 | 0.69 |
| SKKSac | 31 | 43.13 | 5.01 | PKSdf | 23 | 25.80 | 0.70 | PKSdf | 23 | 01.70 | 0.70 | sPKPab | 23 | 11.63 | 4.40 |
| SKKSac | 33 | 51.48 | -4.18 | PP | 24 | 41.15 | 5.17 | PP | 24 | 19.00 | 5.14 | PP | 23 | 50.55 | 5.08 |
| SS | 45 | 34.72 | 10.17 | SKSdf | 26 | 48.04 | 0.63 | SKSdf | 26 | 04.09 | 0.63 | SKSdf | 25 | 05.08 | 0.62 |
| S'S'ac | 45 | 40.22 | 6.61 | PP | 26 | 54.00 | -4.52 | PP | 26 | 31.37 | -4.51 | PP | 26 | 02.07 | -4.49 |
| S'S'ac | 48 | 23.88 | -5.17 | pSKSdf | 27 | 26.02 | 0.63 | pSKSdf | 27 | 50.12 | 0.64 | pSKSdf | 28 | 22.17 | 0.64 |
| SS | 49 | 54.91 | -8.59 | sSKSdf | 27 | 36.35 | 0.63 | sSKSdf | 28 | 20.31 | 0.63 | sSKSdf | 29 | 19.32 | 0.64 |
| | | | | SKKSac | 31 | 19.40 | 5.00 | SKKSac | 30 | 36.42 | 4.99 | SKKSac | 29 | 39.19 | 4.97 |
| | | | | SKKSac | 33 | 27.62 | -4.18 | SKKSac | 32 | 44.34 | -4.17 | SKKSac | 31 | 46.55 | -4.15 |
| | | | | SS | 45 | 12.41 | 10.15 | SS | 44 | 32.66 | 10.09 | S'S'ac | 43 | 38.70 | 6.50 |
| | | | | S'S'ac | 45 | 16.83 | 6.60 | S'S'ac | 44 | 34.59 | 6.56 | SS | 43 | 41.38 | 9.99 |
| | | | | S'S'ac | 48 | 00.18 | -5.16 | S'S'ac | 47 | 17.26 | -5.14 | S'S'ac | 46 | 20.14 | -5.11 |
| | | | | SS | 49 | 32.06 | -8.57 | SS | 48 | 51.06 | -8.54 | SS | 47 | 57.48 | -8.49 |

ak135

- 85 -

Delta : 168.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 08.38 | 0.69 | PKPdf | 19 | 54.56 | 0.69 | PKPdf | 19 | 30.46 | 0.68 | PKPdf | 18 | 58.42 | 0.67 |
| PKPab | 21 | 15.81 | 4.42 | pPKPdf | 20 | 22.20 | 0.69 | PKPab | 20 | 39.90 | 4.43 | PKPab | 20 | 10.50 | 4.43 |
| SKPdf | 23 | 40.93 | 0.61 | sPKPdf | 20 | 32.53 | 0.69 | pPKPdf | 20 | 46.30 | 0.70 | pPKPdf | 21 | 18.33 | 0.71 |
| PKSdf | 23 | 40.93 | 0.61 | PKPab | 21 | 02.59 | 4.42 | sPKPdf | 21 | 16.49 | 0.69 | SKPdf | 21 | 33.81 | 0.60 |
| PP | 25 | 04.43 | 5.10 | pPKPab | 21 | 29.05 | 4.42 | pPKPab | 21 | 51.73 | 4.42 | sPKPdf | 22 | 15.49 | 0.70 |
| PP | 26 | 58.12 | -4.55 | sPKPab | 21 | 39.64 | 4.42 | sPKPab | 22 | 22.83 | 4.42 | pPKPab | 22 | 21.15 | 4.41 |
| SKSdf | 27 | 13.37 | 0.54 | SKPdf | 23 | 16.77 | 0.60 | SKPdf | 22 | 32.82 | 0.60 | PKSdf | 22 | 30.95 | 0.59 |
| SKKSac | 31 | 53.08 | 4.94 | PKSdf | 23 | 27.10 | 0.60 | PKSdf | 23 | 03.00 | 0.60 | sPKPab | 23 | 20.45 | 4.42 |
| SKKSac | 33 | 43.06 | -4.24 | PP | 24 | 51.41 | 5.09 | PP | 24 | 29.20 | 5.06 | PP | 24 | 00.63 | 5.00 |
| S'S'ac | 45 | 53.32 | 6.49 | PP | 26 | 44.93 | -4.55 | SKSdf | 26 | 05.25 | 0.54 | SKSdf | 25 | 06.24 | 0.53 |
| SS | 45 | 54.94 | 10.05 | SKSdf | 26 | 49.21 | 0.54 | PP | 26 | 22.32 | -4.54 | PP | 25 | 53.05 | -4.52 |
| S'S'ac | 48 | 13.45 | -5.26 | pSKSdf | 27 | 27.20 | 0.54 | pSKSdf | 27 | 51.30 | 0.55 | pSKSdf | 28 | 23.36 | 0.55 |
| SS | 49 | 37.67 | -8.65 | sSKSdf | 27 | 37.52 | 0.54 | sSKSdf | 28 | 21.48 | 0.54 | sSKSdf | 29 | 20.50 | 0.55 |
| | | | | SKKSac | 31 | 29.34 | 4.94 | SKKSac | 30 | 46.33 | 4.93 | SKKSac | 29 | 49.06 | 4.90 |
| | | | | SKKSac | 33 | 19.21 | -4.23 | SKKSac | 32 | 35.95 | -4.22 | SKKSac | 31 | 38.20 | -4.21 |
| | | | | S'S'ac | 45 | 29.90 | 6.47 | S'S'ac | 44 | 47.59 | 6.44 | S'S'ac | 43 | 51.58 | 6.39 |
| | | | | SS | 45 | 32.58 | 10.02 | SS | 44 | 52.73 | 9.97 | SS | 44 | 01.24 | 9.87 |
| | | | | S'S'ac | 47 | 49.77 | -5.25 | S'S'ac | 47 | 06.89 | -5.23 | S'S'ac | 46 | 09.83 | -5.20 |
| | | | | SS | 49 | 14.83 | -8.64 | SS | 48 | 33.89 | -8.62 | SS | 47 | 40.42 | -8.57 |

ak135

- 86 -

Delta : 170.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 09.64 | 0.58 | PKPdf | 19 | 55.82 | 0.57 | PKPdf | 19 | 31.71 | 0.57 | PKPdf | 18 | 59.66 | 0.56 |
| PKPab | 21 | 24.67 | 4.43 | pPKPdf | 20 | 23.47 | 0.58 | pPKPdf | 20 | 47.58 | 0.58 | PKPab | 20 | 19.38 | 4.44 |
| SKPdf | 23 | 42.04 | 0.51 | sPKPdf | 20 | 33.80 | 0.58 | PKPab | 20 | 48.76 | 4.44 | pPKPdf | 21 | 19.63 | 0.59 |
| PKSdf | 23 | 42.04 | 0.51 | PKPab | 21 | 11.44 | 4.43 | sPKPdf | 21 | 17.76 | 0.58 | SKPdf | 21 | 34.90 | 0.50 |
| PP | 25 | 14.56 | 5.02 | pPKPab | 21 | 37.90 | 4.43 | pPKPab | 22 | 00.58 | 4.43 | sPKPdf | 22 | 16.77 | 0.58 |
| PP | 26 | 49.00 | -4.58 | sPKPab | 21 | 48.49 | 4.43 | sPKPab | 22 | 31.69 | 4.43 | pPKPab | 22 | 30.00 | 4.42 |
| SKSdf | 27 | 14.36 | 0.45 | SKPdf | 23 | 17.88 | 0.50 | SKPdf | 22 | 33.92 | 0.50 | PKSdf | 22 | 32.03 | 0.49 |
| SKKSac | 32 | 02.90 | 4.88 | PKSdf | 23 | 28.21 | 0.50 | PKSdf | 23 | 04.10 | 0.50 | sPKPab | 23 | 29.30 | 4.43 |
| SKKSac | 33 | 34.53 | -4.29 | PP | 25 | 01.51 | 5.01 | PP | 24 | 39.24 | 4.98 | PP | 24 | 10.56 | 4.93 |
| S'S'ac | 46 | 06.18 | 6.37 | PP | 26 | 35.81 | -4.57 | SKSdf | 26 | 06.24 | 0.45 | SKSdf | 25 | 07.22 | 0.45 |
| SS | 46 | 14.91 | 9.92 | SKSdf | 26 | 50.20 | 0.45 | PP | 26 | 13.22 | -4.56 | PP | 25 | 43.99 | -4.55 |
| S'S'ac | 48 | 02.85 | -5.35 | pSKSdf | 27 | 28.19 | 0.45 | pSKSdf | 27 | 52.31 | 0.46 | pSKSdf | 28 | 24.38 | 0.46 |
| SS | 49 | 20.32 | -8.70 | sSKSdf | 27 | 38.52 | 0.45 | sSKSdf | 28 | 22.48 | 0.45 | sSKSdf | 29 | 21.50 | 0.46 |
| | | | | SKKSac | 31 | 39.16 | 4.88 | SKKSac | 30 | 56.13 | 4.87 | SKKSac | 29 | 58.80 | 4.84 |
| | | | | SKKSac | 33 | 10.69 | -4.29 | SKKSac | 32 | 27.45 | -4.28 | SKKSac | 31 | 29.73 | -4.26 |
| | | | | S'S'ac | 45 | 42.73 | 6.36 | S'S'ac | 45 | 00.36 | 6.33 | S'S'ac | 44 | 04.24 | 6.27 |
| | | | | SS | 45 | 52.51 | 9.90 | SS | 45 | 12.54 | 9.84 | SS | 44 | 20.85 | 9.74 |
| | | | | S'S'ac | 47 | 39.18 | -5.34 | S'S'ac | 46 | 56.34 | -5.32 | S'S'ac | 45 | 59.35 | -5.28 |
| | | | | SS | 48 | 57.50 | -8.69 | SS | 48 | 16.59 | -8.68 | SS | 47 | 23.21 | -8.64 |

ak135

- 87 -

Delta : 172.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 10.68 | 0.46 | PKPdf | 19 | 56.85 | 0.46 | PKPdf | 19 | 32.74 | 0.46 | PKPdf | 19 | 00.66 | 0.45 |
| PKPab | 21 | 33.54 | 4.44 | pPKPdf | 20 | 24.51 | 0.46 | pPKPdf | 20 | 48.62 | 0.47 | PKPab | 20 | 28.26 | 4.44 |
| SKPdf | 23 | 42.95 | 0.41 | sPKPdf | 20 | 34.84 | 0.46 | PKPab | 20 | 57.64 | 4.44 | pPKPdf | 21 | 20.69 | 0.47 |
| PKSdf | 23 | 42.95 | 0.41 | PKPab | 21 | 20.31 | 4.44 | sPKPdf | 21 | 18.80 | 0.46 | SKPdf | 21 | 35.80 | 0.40 |
| PP | 25 | 24.53 | 4.95 | pPKPab | 21 | 46.77 | 4.44 | pPKPab | 22 | 09.44 | 4.44 | sPKPdf | 22 | 17.82 | 0.47 |
| PP | 26 | 39.82 | -4.60 | sPKPab | 21 | 57.36 | 4.44 | SKPdf | 22 | 34.83 | 0.40 | PKSdf | 22 | 32.92 | 0.40 |
| SKSdf | 27 | 15.17 | 0.36 | SKPdf | 23 | 18.79 | 0.40 | sPKPab | 22 | 40.55 | 4.44 | pPKPab | 22 | 38.84 | 4.43 |
| SKKSac | 32 | 12.61 | 4.82 | PKSdf | 23 | 29.12 | 0.40 | PKSdf | 23 | 05.00 | 0.40 | sPKPab | 23 | 38.16 | 4.43 |
| SKKSac | 33 | 25.89 | -4.35 | PP | 25 | 11.45 | 4.94 | PP | 24 | 49.13 | 4.91 | PP | 24 | 20.34 | 4.85 |
| S'S'ac | 46 | 18.80 | 6.25 | PP | 26 | 26.64 | -4.59 | PP | 26 | 04.07 | -4.59 | SKSdf | 25 | 08.02 | 0.36 |
| SS | 46 | 34.63 | 9.79 | SKSdf | 26 | 51.02 | 0.36 | SKSdf | 26 | 07.05 | 0.36 | PP | 25 | 34.87 | -4.57 |
| S'S'ac | 47 | 52.06 | -5.44 | pSKSdf | 27 | 29.01 | 0.36 | pSKSdf | 27 | 53.13 | 0.37 | pSKSdf | 28 | 25.21 | 0.37 |
| SS | 49 | 02.87 | -8.75 | sSKSdf | 27 | 39.33 | 0.36 | sSKSdf | 28 | 23.30 | 0.36 | sSKSdf | 29 | 22.33 | 0.37 |
| | | | | SKKSac | 31 | 48.85 | 4.82 | SKKSac | 31 | 05.80 | 4.80 | SKKSac | 30 | 08.43 | 4.78 |
| | | | | SKKSac | 33 | 02.06 | -4.34 | SKKSac | 32 | 18.83 | -4.33 | SKKSac | 31 | 21.15 | -4.32 |
| | | | | S'S'ac | 45 | 55.32 | 6.24 | S'S'ac | 45 | 12.90 | 6.21 | S'S'ac | 44 | 16.67 | 6.16 |
| | | | | SS | 46 | 12.18 | 9.77 | SS | 45 | 32.10 | 9.72 | SS | 44 | 40.21 | 9.62 |
| | | | | S'S'ac | 47 | 28.42 | -5.43 | S'S'ac | 46 | 45.61 | -5.41 | S'S'ac | 45 | 48.70 | -5.37 |
| | | | | SS | 48 | 40.06 | -8.74 | SS | 47 | 59.19 | -8.72 | SS | 47 | 05.87 | -8.69 |

ak135

- 88 -

Delta : 174.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 11.49 | 0.35 | PKPdf | 19 | 57.65 | 0.35 | PKPdf | 19 | 33.53 | 0.34 | PKPdf | 19 | 01.45 | 0.34 |
| PKPab | 21 | 42.42 | 4.44 | pPKPdf | 20 | 25.32 | 0.35 | pPKPdf | 20 | 49.44 | 0.35 | PKPab | 20 | 37.15 | 4.45 |
| SKPdf | 23 | 43.66 | 0.30 | sPKPdf | 20 | 35.65 | 0.35 | PKPab | 21 | 06.52 | 4.44 | pPKPdf | 21 | 21.52 | 0.36 |
| PKSdf | 23 | 43.66 | 0.30 | PKPab | 21 | 29.20 | 4.44 | sPKPdf | 21 | 19.61 | 0.35 | SKPdf | 21 | 36.50 | 0.30 |
| PP | 25 | 34.35 | 4.87 | pPKPab | 21 | 55.65 | 4.44 | pPKPab | 22 | 18.32 | 4.44 | sPKPdf | 22 | 18.64 | 0.35 |
| PP | 26 | 30.61 | -4.61 | sPKPab | 22 | 06.24 | 4.44 | SKPdf | 22 | 35.53 | 0.30 | PKSdf | 22 | 33.62 | 0.30 |
| SKSdf | 27 | 15.81 | 0.27 | SKPdf | 23 | 19.50 | 0.30 | sPKPab | 22 | 49.43 | 4.44 | pPKPab | 22 | 47.70 | 4.44 |
| SKKSac | 32 | 22.19 | 4.76 | PKSdf | 23 | 29.83 | 0.30 | PKSdf | 23 | 05.70 | 0.30 | sPKPab | 23 | 47.04 | 4.44 |
| SKKSac | 33 | 17.14 | -4.40 | PP | 25 | 21.25 | 4.86 | PP | 24 | 58.86 | 4.82 | PP | 24 | 29.92 | 4.74 |
| S'S'ac | 46 | 31.19 | 6.14 | PP | 26 | 17.44 | -4.61 | PP | 25 | 54.88 | -4.60 | SKSdf | 25 | 08.65 | 0.27 |
| SS | 46 | 54.09 | 9.67 | SKSdf | 26 | 51.65 | 0.27 | SKSdf | 26 | 07.68 | 0.27 | PP | 25 | 25.70 | -4.59 |
| S'S'ac | 47 | 41.10 | -5.53 | pSKSdf | 27 | 29.64 | 0.27 | pSKSdf | 27 | 53.77 | 0.27 | pSKSdf | 28 | 25.85 | 0.28 |
| SS | 48 | 45.27 | -8.86 | sSKSdf | 27 | 40.00 | 0.27 | sSKSdf | 28 | 23.94 | 0.27 | sSKSdf | 29 | 22.97 | 0.27 |
| | | | | SKKSac | 31 | 58.42 | 4.76 | SKKSac | 31 | 15.34 | 4.74 | SKKSac | 30 | 17.94 | 4.72 |
| | | | | SKKSac | 32 | 53.32 | -4.40 | SKKSac | 32 | 10.11 | -4.39 | SKKSac | 31 | 12.47 | -4.37 |
| | | | | S'S'ac | 46 | 07.68 | 6.12 | S'S'ac | 45 | 25.20 | 6.10 | S'S'ac | 44 | 28.87 | 6.05 |
| | | | | SS | 46 | 31.59 | 9.64 | SS | 45 | 51.41 | 9.59 | SS | 44 | 59.31 | 9.49 |
| | | | | S'S'ac | 47 | 17.47 | -5.52 | S'S'ac | 46 | 34.70 | -5.50 | S'S'ac | 45 | 37.86 | -5.46 |
| | | | | SS | 48 | 22.50 | -8.84 | SS | 47 | 41.69 | -8.79 | SS | 46 | 48.45 | -8.74 |

ak135

- 89 -

Delta : 176.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 12.07 | 0.23 | PKPdf | 19 | 58.23 | 0.23 | PKPdf | 19 | 34.10 | 0.23 | PKPdf | 19 | 02.01 | 0.22 |
| PKPab | 21 | 51.31 | 4.44 | pPKPdf | 20 | 25.90 | 0.23 | pPKPdf | 20 | 50.03 | 0.23 | pPKPdf | 21 | 22.12 | 0.24 |
| SKPdf | 23 | 44.17 | 0.20 | sPKPdf | 20 | 36.22 | 0.23 | PKPab | 21 | 15.41 | 4.45 | SKPdf | 21 | 37.00 | 0.20 |
| PKSdf | 23 | 44.17 | 0.20 | PKPab | 21 | 38.08 | 4.45 | sPKPdf | 21 | 20.19 | 0.23 | sPKPdf | 22 | 19.23 | 0.23 |
| PP | 25 | 43.98 | 4.75 | pPKPab | 22 | 04.53 | 4.44 | pPKPab | 22 | 27.20 | 4.44 | PKSdf | 22 | 34.11 | 0.20 |
| PP | 26 | 21.38 | -4.63 | sPKPab | 22 | 15.13 | 4.44 | SKPdf | 22 | 36.04 | 0.20 | pPKPab | 22 | 56.58 | 4.44 |
| SKSdf | 27 | 16.26 | 0.18 | SKPdf | 23 | 20.01 | 0.20 | sPKPab | 22 | 58.32 | 4.44 | sPKPab | 23 | 55.92 | 4.44 |
| SKKSac | 32 | 31.65 | 4.70 | PKSdf | 23 | 30.33 | 0.20 | PKSdf | 23 | 06.21 | 0.20 | PP | 24 | 39.34 | 4.69 |
| SKKSac | 33 | 08.28 | -4.46 | PP | 25 | 30.85 | 4.74 | PP | 25 | 08.37 | 4.72 | SKSdf | 25 | 09.09 | 0.18 |
| S'S'ac | 46 | 43.35 | 6.03 | PP | 26 | 08.21 | -4.62 | PP | 25 | 45.66 | -4.62 | PP | 25 | 16.50 | -4.61 |
| SS | 47 | 13.29 | 9.53 | SKSdf | 26 | 52.10 | 0.18 | SKSdf | 26 | 08.13 | 0.18 | pSKSdf | 28 | 26.32 | 0.19 |
| S'S'ac | 47 | 29.94 | -5.63 | pSKSdf | 27 | 30.10 | 0.18 | pSKSdf | 27 | 54.22 | 0.18 | sSKSdf | 29 | 23.43 | 0.18 |
| SS | 48 | 27.41 | -9.00 | sSKSdf | 27 | 40.42 | 0.18 | sSKSdf | 28 | 24.39 | 0.18 | SKKSac | 30 | 27.32 | 4.66 |
| | | | | SKKSac | 32 | 07.87 | 4.69 | SKKSac | 31 | 24.77 | 4.68 | SKKSac | 31 | 03.66 | -4.43 |
| | | | | SKKSac | 32 | 44.46 | -4.46 | SKKSac | 32 | 01.27 | -4.45 | S'S'ac | 44 | 40.86 | 5.94 |
| | | | | S'S'ac | 46 | 19.82 | 6.02 | S'S'ac | 45 | 37.29 | 5.99 | SS | 45 | 18.16 | 9.36 |
| | | | | SS | 46 | 50.74 | 9.51 | SS | 46 | 10.45 | 9.46 | S'S'ac | 45 | 26.84 | -5.56 |
| | | | | S'S'ac | 47 | 06.33 | -5.62 | S'S'ac | 46 | 23.61 | -5.59 | SS | 46 | 30.89 | -8.83 |
| | | | | SS | 48 | 04.69 | -8.97 | SS | 47 | 23.98 | -8.92 | | | | |

ak135

- 90 -

Delta : 178.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 12.41 | 0.12 | PKPdf | 19 | 58.58 | 0.12 | PKPdf | 19 | 34.45 | 0.11 | PKPdf | 19 | 02.35 | 0.11 |
| PKPab | 22 | 00.20 | 4.45 | pPKPdf | 20 | 26.25 | 0.12 | pPKPdf | 20 | 50.38 | 0.12 | pPKPdf | 21 | 22.47 | 0.12 |
| SKPdf | 23 | 44.47 | 0.10 | sPKPdf | 20 | 36.57 | 0.12 | sPKPdf | 21 | 20.54 | 0.12 | SKPdf | 21 | 37.30 | 0.10 |
| PKSdf | 23 | 44.47 | 0.10 | pPKPab | 22 | 13.42 | 4.45 | pPKPab | 22 | 36.09 | 4.45 | sPKPdf | 22 | 19.58 | 0.12 |
| PP | 25 | 53.43 | 4.70 | sPKPab | 22 | 24.02 | 4.45 | SKPdf | 22 | 36.34 | 0.10 | PKSdf | 22 | 34.41 | 0.10 |
| PP | 26 | 12.11 | -4.64 | SKPdf | 23 | 20.31 | 0.10 | PKSdf | 23 | 06.51 | 0.10 | pPKPab | 23 | 05.47 | 4.44 |
| SKSdf | 27 | 16.53 | 0.09 | PKSdf | 23 | 30.64 | 0.10 | sPKPab | 23 | 07.21 | 4.45 | sPKPab | 24 | 04.81 | 4.45 |
| SKKSac | 32 | 40.99 | 4.64 | PP | 25 | 40.28 | 4.70 | PP | 25 | 17.78 | 4.68 | PP | 24 | 48.70 | 4.66 |
| SKKSac | 32 | 59.29 | -4.52 | PP | 25 | 58.94 | -4.64 | PP | 25 | 36.40 | -4.63 | PP | 25 | 07.27 | -4.62 |
| S'S'ac | 46 | 55.30 | 5.92 | SKSdf | 26 | 52.37 | 0.09 | SKSdf | 26 | 08.40 | 0.09 | SKSdf | 25 | 09.36 | 0.09 |
| S'S'ac | 47 | 18.59 | -5.72 | pSKSdf | 27 | 30.37 | 0.09 | pSKSdf | 27 | 54.50 | 0.09 | pSKSdf | 28 | 26.59 | 0.09 |
| SS | 47 | 32.22 | 9.40 | sSKSdf | 27 | 40.69 | 0.09 | sSKSdf | 28 | 24.66 | 0.09 | sSKSdf | 29 | 23.70 | 0.09 |
| SS | 48 | 09.29 | -9.13 | SKKSac | 32 | 17.20 | 4.63 | SKKSac | 31 | 34.07 | 4.62 | SKKSac | 30 | 36.58 | 4.60 |
| | | | | SKKSac | 32 | 35.49 | -4.51 | SKKSac | 31 | 52.32 | -4.50 | SKKSac | 30 | 54.75 | -4.49 |
| | | | | S'S'ac | 46 | 31.75 | 5.91 | S'S'ac | 45 | 49.17 | 5.89 | S'S'ac | 44 | 52.65 | 5.84 |
| | | | | S'S'ac | 46 | 55.00 | -5.71 | S'S'ac | 46 | 12.32 | -5.69 | S'S'ac | 45 | 15.64 | -5.65 |
| | | | | SS | 47 | 09.63 | 9.38 | SS | 46 | 29.24 | 9.32 | SS | 45 | 36.74 | 9.22 |
| | | | | SS | 47 | 46.60 | -9.11 | SS | 47 | 06.00 | -9.06 | SS | 46 | 13.11 | -8.96 |

ak135

- 91 -

Delta : 180.0

| depth | 0. | | | 100. | | | 300. | | | 600. | | | | | |
|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|--------|----|-------|-------|
| code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg | code | m | s | s/deg |
| PKPdf | 20 | 12.53 | 0.00 | PKPdf | 19 | 58.69 | 0.00 | PKPdf | 19 | 34.56 | 0.00 | PKPdf | 19 | 02.46 | 0.00 |
| SKPdf | 23 | 44.57 | 0.00 | pPKPdf | 20 | 26.36 | 0.00 | pPKPdf | 20 | 50.49 | 0.00 | pPKPdf | 21 | 22.59 | 0.00 |
| PKSdf | 23 | 44.57 | 0.00 | sPKPdf | 20 | 36.69 | 0.00 | sPKPdf | 21 | 20.66 | 0.00 | SKPdf | 21 | 37.41 | 0.00 |
| PP | 26 | 02.80 | 4.67 | SKPdf | 23 | 20.41 | 0.00 | SKPdf | 22 | 36.44 | 0.00 | sPKPdf | 22 | 19.70 | 0.00 |
| SKSdf | 27 | 16.62 | 0.00 | PKSdf | 23 | 30.74 | 0.00 | PKSdf | 23 | 06.61 | 0.00 | PKSdf | 22 | 34.51 | 0.00 |
| SKKSac | 32 | 50.20 | 4.58 | PP | 25 | 49.64 | 4.67 | PP | 25 | 27.11 | 4.66 | pPKPab | 23 | 14.36 | 4.45 |
| S'S'ac | 47 | 07.04 | 5.82 | SKSdf | 26 | 52.46 | 0.00 | SKSdf | 26 | 08.49 | 0.00 | PP | 24 | 58.01 | 4.64 |
| SS | 47 | 50.89 | 9.27 | pSKSdf | 27 | 30.46 | 0.00 | pSKSdf | 27 | 54.59 | 0.00 | SKSdf | 25 | 09.45 | 0.00 |
| | | | | sSKSdf | 27 | 40.78 | 0.00 | sSKSdf | 28 | 24.76 | 0.00 | pSKSdf | 28 | 26.69 | 0.00 |
| | | | | SKKSac | 32 | 26.40 | 4.57 | SKKSac | 31 | 43.26 | 4.56 | sSKSdf | 29 | 23.79 | 0.00 |
| | | | | S'S'ac | 46 | 43.47 | 5.81 | S'S'ac | 46 | 00.84 | 5.79 | SKKSac | 30 | 45.72 | 4.54 |
| | | | | SS | 47 | 28.25 | 9.24 | SS | 46 | 47.75 | 9.19 | S'S'ac | 45 | 04.24 | 5.75 |
| | | | | | | | | | | | | SS | 45 | 55.05 | 9.09 |

Summary Tables for Major Phases

Phase times and slownesses are shown at 1° intervals for a selection of important phases, with separate tables for 0, 100, 300 and 600 km depth

- 1 Mostly mantle phases out to 124°
P, PP, PcP, S, SS, ScS, ScP, SKSac
- 2 Mostly core phases from 110°-180°
PKPab, PKPbc, PKPdf, PP, SKSac, SKSdf, SKP, SS

Depth : 0.0 km

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS _{ac} | |
|-------------|---|-------|----|-------|-----|-------|---|-------|----|-------|-----|-------|-----|-------|-------------------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 0.0 | | 0.00 | | 0.00 | 8 | 31.69 | | 0.00 | | 0.00 | 15 | 35.78 | 12 | 03.74 | | |
| | | 19.17 | | 19.17 | | 0.00 | | 32.14 | | 32.14 | | 0.00 | | 0.00 | | |
| 1.0 | 0 | 19.17 | 0 | 19.17 | 8 | 31.74 | 0 | 32.14 | 0 | 32.14 | 15 | 35.87 | 12 | 03.80 | | |
| | | 19.17 | | 19.17 | | 0.10 | | 32.14 | | 32.14 | | 0.18 | | 0.12 | | |
| 2.0 | 0 | 35.03 | 0 | 38.34 | 8 | 31.88 | 1 | 00.75 | 1 | 04.27 | 15 | 36.14 | 12 | 03.99 | | |
| | | 13.75 | | 19.17 | | 0.19 | | 24.68 | | 32.14 | | 0.35 | | 0.25 | | |
| 3.0 | 0 | 48.78 | 0 | 56.30 | 8 | 32.12 | 1 | 25.43 | 1 | 36.41 | 15 | 36.58 | 12 | 04.30 | | |
| | | 13.75 | | 13.75 | | 0.29 | | 24.68 | | 32.13 | | 0.53 | | 0.37 | | |
| 4.0 | 1 | 02.53 | 1 | 10.05 | 8 | 32.46 | 1 | 50.10 | 2 | 01.50 | 15 | 37.20 | 12 | 04.73 | | |
| | | 13.75 | | 13.75 | | 0.38 | | 24.67 | | 24.68 | | 0.71 | | 0.50 | | |
| 5.0 | 1 | 16.27 | 1 | 23.81 | 8 | 32.89 | 2 | 14.76 | 2 | 26.18 | 15 | 37.99 | 12 | 05.29 | | |
| | | 13.74 | | 13.75 | | 0.48 | | 24.66 | | 24.68 | | 0.88 | | 0.62 | | |
| 6.0 | 1 | 30.01 | 1 | 37.56 | 8 | 33.41 | 2 | 39.41 | 2 | 50.86 | 15 | 38.96 | 12 | 05.97 | | |
| | | 13.74 | | 13.75 | | 0.57 | | 24.64 | | 24.68 | | 1.06 | | 0.74 | | |
| 7.0 | 1 | 43.75 | 1 | 51.31 | 8 | 34.03 | 3 | 04.04 | 3 | 15.54 | 15 | 40.11 | 12 | 06.78 | | |
| | | 13.73 | | 13.75 | | 0.67 | | 24.62 | | 24.67 | | 1.23 | | 0.86 | | |
| 8.0 | 1 | 57.47 | 2 | 05.06 | 8 | 34.75 | 3 | 28.65 | 3 | 40.21 | 15 | 41.43 | 12 | 07.70 | | |
| | | 13.72 | | 13.75 | | 0.76 | | 24.60 | | 24.67 | | 1.41 | | 0.99 | | |
| 9.0 | 2 | 11.19 | 2 | 18.80 | 8 | 35.56 | 3 | 53.24 | 4 | 04.87 | 15 | 42.92 | 12 | 08.75 | | |
| | | 13.71 | | 13.75 | | 0.86 | | 24.57 | | 24.66 | | 1.58 | | 1.11 | | |
| 10.0 | 2 | 24.90 | 2 | 32.55 | 8 | 36.46 | 4 | 17.80 | 4 | 29.53 | 15 | 44.58 | 12 | 09.91 | | |
| | | 13.70 | | 13.74 | | 0.95 | | 24.55 | | 24.66 | | 1.75 | | 1.23 | | |
| 11.0 | 2 | 38.59 | 2 | 46.29 | 8 | 37.45 | 4 | 42.33 | 4 | 54.18 | 15 | 46.42 | 12 | 11.20 | | |
| | | 13.69 | | 13.74 | | 1.04 | | 24.51 | | 24.65 | | 1.92 | | 1.34 | | |
| 12.0 | 2 | 52.27 | 3 | 00.03 | 8 | 38.54 | 5 | 06.83 | 5 | 18.83 | 15 | 48.42 | 12 | 12.60 | | |
| | | 13.67 | | 13.74 | | 1.13 | | 24.48 | | 24.64 | | 2.09 | | 1.46 | | |
| 13.0 | 3 | 05.94 | 3 | 13.76 | 8 | 39.72 | 5 | 31.29 | 5 | 43.46 | 15 | 50.59 | 12 | 14.12 | | |
| | | 13.66 | | 13.73 | | 1.22 | | 24.44 | | 24.63 | | 2.25 | | 1.57 | | |
| 14.0 | 3 | 19.59 | 3 | 27.49 | 8 | 40.98 | 5 | 55.70 | 6 | 08.09 | 15 | 52.93 | 12 | 15.75 | | |
| | | 13.64 | | 13.73 | | 1.31 | | 24.40 | | 24.62 | | 2.42 | | 1.69 | | |
| 15.0 | 3 | 33.23 | 3 | 41.22 | 8 | 42.34 | 6 | 20.08 | 6 | 32.70 | 15 | 55.43 | 12 | 17.49 | | |
| | | 13.63 | | 13.73 | | 1.40 | | 24.35 | | 24.61 | | 2.58 | | 1.80 | | |
| 16.0 | 3 | 46.37 | 3 | 54.95 | 8 | 43.78 | 6 | 44.41 | 6 | 57.31 | 15 | 58.09 | 12 | 19.35 | | |
| | | 12.94 | | 13.72 | | 1.49 | | 24.30 | | 24.60 | | 2.74 | | 1.91 | | |
| 17.0 | 3 | 59.13 | 4 | 08.66 | 8 | 45.31 | 7 | 08.69 | 7 | 21.90 | 16 | 00.92 | 12 | 21.32 | | |
| | | 12.58 | | 13.72 | | 1.57 | | 24.26 | | 24.59 | | 2.90 | | 2.02 | | |
| 18.0 | 4 | 11.57 | 4 | 22.38 | 8 | 46.93 | 7 | 32.92 | 7 | 46.48 | 16 | 03.90 | 12 | 23.39 | | |
| | | 12.33 | | 13.71 | | 1.66 | | 24.21 | | 24.57 | | 3.06 | | 2.13 | | |
| 19.0 | 4 | 23.16 | 4 | 36.09 | 8 | 48.63 | 7 | 57.10 | 8 | 11.05 | 16 | 07.04 | 12 | 25.57 | | |
| | | 10.98 | | 13.71 | | 1.74 | | 24.16 | | 24.56 | | 3.22 | | 2.23 | | |
| 20.0 | 4 | 34.10 | 4 | 49.79 | 8 | 50.41 | 8 | 19.77 | 8 | 35.60 | 16 | 10.33 | 12 | 27.85 | | |
| | | 10.90 | | 13.70 | | 1.83 | | 20.00 | | 24.55 | | 3.37 | | 2.34 | | |
| 21.0 | 4 | 44.95 | 5 | 03.49 | 8 | 52.28 | 8 | 39.66 | 9 | 00.14 | 16 | 13.78 | 12 | 30.24 | | |
| | | 10.81 | | 13.69 | | 1.91 | | 19.77 | | 24.53 | | 3.52 | | 2.44 | | |
| 22.0 | 4 | 55.71 | 5 | 17.18 | 8 | 54.23 | 8 | 59.30 | 9 | 24.66 | 16 | 17.38 | 12 | 32.72 | | |
| | | 10.70 | | 13.69 | | 1.99 | | 19.50 | | 24.51 | | 3.67 | | 2.54 | | |
| 23.0 | 5 | 06.34 | 5 | 30.87 | 8 | 56.26 | 9 | 17.88 | 9 | 49.17 | 16 | 21.12 | 12 | 35.31 | | |
| | | 10.57 | | 13.68 | | 2.07 | | 16.33 | | 24.50 | | 3.82 | | 2.63 | | |
| 24.0 | 5 | 16.31 | 5 | 44.54 | 8 | 58.37 | 9 | 34.14 | 10 | 13.65 | 16 | 25.01 | 12 | 37.99 | | |
| | | 9.14 | | 13.67 | | 2.15 | | 16.19 | | 24.48 | | 3.96 | | 2.73 | | |
| 25.0 | 5 | 25.43 | 5 | 58.22 | 9 | 00.55 | 9 | 50.26 | 10 | 38.12 | 16 | 29.05 | 12 | 40.76 | | |
| | | 9.10 | | 13.67 | | 2.22 | | 16.02 | | 24.46 | | 4.10 | | 2.82 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | Sac |
|-------------|---|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|---|-----|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | |
| 25.0 | 5 | 25.43 | 5 | 58.22 | 9 | 00.55 | 9 | 50.26 | 10 | 38.12 | 16 | 29.05 | 12 | 40.76 | | | |
| | | 9.10 | | 13.67 | | 2.22 | | 16.02 | | 24.46 | | 4.10 | | 2.82 | | | |
| 26.0 | 5 | 34.50 | 6 | 11.88 | 9 | 02.81 | 10 | 06.14 | 11 | 02.57 | 16 | 33.22 | 12 | 43.62 | | | |
| | | 9.06 | | 13.66 | | 2.30 | | 15.81 | | 24.44 | | 4.24 | | 2.91 | | | |
| 27.0 | 5 | 43.54 | 6 | 25.54 | 9 | 05.15 | 10 | 21.93 | 11 | 27.00 | 16 | 37.54 | 12 | 46.57 | | | |
| | | 9.00 | | 13.65 | | 2.37 | | 15.78 | | 24.42 | | 4.38 | | 3.00 | | | |
| 28.0 | 5 | 52.50 | 6 | 39.18 | 9 | 07.55 | 10 | 37.69 | 11 | 51.41 | 16 | 41.98 | 12 | 49.61 | | | |
| | | 8.93 | | 13.64 | | 2.44 | | 15.75 | | 24.40 | | 4.52 | | 3.08 | | | |
| 29.0 | 6 | 01.41 | 6 | 52.82 | 9 | 10.03 | 10 | 53.43 | 12 | 15.79 | 16 | 46.57 | 12 | 52.73 | | | |
| | | 8.88 | | 13.64 | | 2.51 | | 15.72 | | 24.37 | | 4.65 | | 3.16 | | | |
| 30.0 | 6 | 10.27 | 7 | 06.46 | 9 | 12.58 | 11 | 09.14 | 12 | 40.16 | 16 | 51.28 | 12 | 55.94 | | | |
| | | 8.85 | | 13.63 | | 2.58 | | 15.69 | | 24.35 | | 4.78 | | 3.24 | | | |
| 31.0 | 6 | 19.11 | 7 | 19.72 | 9 | 15.20 | 11 | 24.81 | 13 | 04.50 | 16 | 56.12 | 12 | 59.22 | | | |
| | | 8.82 | | 13.09 | | 2.65 | | 15.66 | | 24.33 | | 4.90 | | 3.32 | | | |
| 32.0 | 6 | 27.91 | 7 | 32.74 | 9 | 17.89 | 11 | 40.45 | 13 | 28.81 | 17 | 01.08 | 13 | 02.57 | | | |
| | | 8.79 | | 12.94 | | 2.72 | | 15.61 | | 24.30 | | 5.03 | | 3.39 | | | |
| 33.0 | 6 | 36.68 | 7 | 45.59 | 9 | 20.64 | 11 | 56.02 | 13 | 53.11 | 17 | 06.17 | 13 | 06.00 | | | |
| | | 8.74 | | 12.75 | | 2.78 | | 15.54 | | 24.28 | | 5.15 | | 3.47 | | | |
| 34.0 | 6 | 45.40 | 7 | 58.25 | 9 | 23.45 | 12 | 11.53 | 14 | 17.37 | 17 | 11.38 | 13 | 09.50 | | | |
| | | 8.69 | | 12.58 | | 2.85 | | 15.47 | | 24.26 | | 5.27 | | 3.54 | | | |
| 35.0 | 6 | 54.06 | 8 | 10.77 | 9 | 26.33 | 12 | 26.97 | 14 | 41.62 | 17 | 16.70 | 13 | 13.07 | | | |
| | | 8.63 | | 12.45 | | 2.91 | | 15.40 | | 24.23 | | 5.38 | | 3.60 | | | |
| 36.0 | 7 | 02.66 | 8 | 23.15 | 9 | 29.27 | 12 | 42.32 | 15 | 05.83 | 17 | 22.14 | 13 | 16.71 | | | |
| | | 8.57 | | 12.33 | | 2.97 | | 15.32 | | 24.21 | | 5.49 | | 3.67 | | | |
| 37.0 | 7 | 11.19 | 8 | 35.32 | 9 | 32.27 | 12 | 57.60 | 15 | 30.03 | 17 | 27.69 | 13 | 20.40 | | | |
| | | 8.51 | | 11.01 | | 3.03 | | 15.24 | | 24.18 | | 5.60 | | 3.73 | | | |
| 38.0 | 7 | 19.67 | 8 | 46.32 | 9 | 35.33 | 13 | 12.80 | 15 | 54.20 | 17 | 33.34 | 13 | 24.16 | | | |
| | | 8.44 | | 10.98 | | 3.09 | | 15.15 | | 24.16 | | 5.71 | | 3.79 | | | |
| 39.0 | 7 | 28.08 | 8 | 57.27 | 9 | 38.44 | 13 | 27.91 | 16 | 18.34 | 17 | 39.11 | 13 | 27.98 | | | |
| | | 8.38 | | 10.94 | | 3.14 | | 15.07 | | 24.13 | | 5.82 | | 3.84 | | | |
| 40.0 | 7 | 36.42 | 9 | 08.19 | 9 | 41.61 | 13 | 42.93 | 16 | 39.54 | 17 | 44.98 | 13 | 31.84 | | | |
| | | 8.31 | | 10.90 | | 3.20 | | 14.97 | | 20.00 | | 5.92 | | 3.90 | | | |
| 41.0 | 7 | 44.70 | 9 | 19.07 | 9 | 44.84 | 13 | 57.86 | 16 | 59.49 | 17 | 50.95 | 13 | 35.77 | | | |
| | | 8.24 | | 10.86 | | 3.25 | | 14.88 | | 19.89 | | 6.02 | | 3.95 | | | |
| 42.0 | 7 | 52.90 | 9 | 29.90 | 9 | 48.11 | 14 | 12.69 | 17 | 19.32 | 17 | 57.01 | 13 | 39.74 | | | |
| | | 8.17 | | 10.81 | | 3.30 | | 14.78 | | 19.77 | | 6.12 | | 3.99 | | | |
| 43.0 | 8 | 01.04 | 9 | 40.69 | 9 | 51.44 | 14 | 27.42 | 17 | 39.02 | 18 | 03.18 | 13 | 43.75 | | | |
| | | 8.10 | | 10.75 | | 3.35 | | 14.69 | | 19.64 | | 6.21 | | 4.04 | | | |
| 44.0 | 8 | 09.11 | 9 | 51.41 | 9 | 54.82 | 14 | 42.06 | 17 | 58.59 | 18 | 09.43 | 13 | 47.81 | | | |
| | | 8.03 | | 10.70 | | 3.40 | | 14.59 | | 19.50 | | 6.30 | | 4.08 | | | |
| 45.0 | 8 | 17.10 | 10 | 02.08 | 9 | 58.24 | 14 | 56.60 | 18 | 18.02 | 18 | 15.78 | 13 | 51.92 | | | |
| | | 7.96 | | 10.64 | | 3.45 | | 14.49 | | 19.35 | | 6.39 | | 4.12 | | | |
| 46.0 | 8 | 25.03 | 10 | 12.68 | 10 | 01.71 | 15 | 11.04 | 18 | 35.77 | 18 | 22.21 | 13 | 56.06 | | | |
| | | 7.89 | | 10.57 | | 3.49 | | 14.39 | | 16.33 | | 6.48 | | 4.16 | | | |
| 47.0 | 8 | 32.88 | 10 | 23.22 | 10 | 05.23 | 15 | 25.37 | 18 | 52.06 | 18 | 28.73 | 14 | 00.23 | | | |
| | | 7.82 | | 10.50 | | 3.54 | | 14.28 | | 16.26 | | 6.56 | | 4.19 | | | |
| 48.0 | 8 | 40.66 | 10 | 32.62 | 10 | 08.79 | 15 | 39.60 | 19 | 08.29 | 18 | 35.34 | 14 | 04.45 | | | |
| | | 7.74 | | 9.14 | | 3.58 | | 14.17 | | 16.19 | | 6.64 | | 4.23 | | | |
| 49.0 | 8 | 48.37 | 10 | 41.75 | 10 | 12.39 | 15 | 53.72 | 19 | 24.45 | 18 | 42.02 | 14 | 08.69 | | | |
| | | 7.67 | | 9.12 | | 3.62 | | 14.07 | | 16.12 | | 6.72 | | 4.26 | | | |
| 50.0 | 8 | 56.00 | 10 | 50.85 | 10 | 16.04 | 16 | 07.73 | 19 | 40.52 | 18 | 48.78 | 14 | 12.96 | | | |
| | | 7.60 | | 9.10 | | 3.66 | | 13.96 | | 16.02 | | 6.80 | | 4.28 | | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKSac | |
|-------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|-------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 50.0 | 8 | 56.00 | 10 | 50.85 | 10 | 16.04 | 16 | 07.73 | 19 | 40.52 | 18 | 48.78 | 14 | 12.96 | | | | |
| | | 7.60 | | 9.10 | | 3.66 | | 13.96 | | 16.02 | | 6.80 | | 4.28 | | | | |
| 51.0 | 9 | 03.56 | 10 | 59.94 | 10 | 19.72 | 16 | 21.64 | 19 | 56.45 | 18 | 55.62 | 14 | 17.25 | | | | |
| | | 7.52 | | 9.08 | | 3.70 | | 13.85 | | 15.84 | | 6.87 | | 4.31 | | | | |
| 52.0 | 9 | 11.05 | 11 | 09.01 | 10 | 23.44 | 16 | 35.43 | 20 | 12.28 | 19 | 02.53 | 14 | 21.58 | | | | |
| | | 7.45 | | 9.06 | | 3.74 | | 13.74 | | 15.81 | | 6.95 | | 4.33 | | | | |
| 53.0 | 9 | 18.47 | 11 | 18.05 | 10 | 27.20 | 16 | 49.12 | 20 | 28.08 | 19 | 09.51 | 14 | 25.92 | | | | |
| | | 7.38 | | 9.03 | | 3.78 | | 13.63 | | 15.79 | | 7.02 | | 4.35 | | | | |
| 54.0 | 9 | 25.81 | 11 | 27.07 | 10 | 31.00 | 17 | 02.70 | 20 | 43.86 | 19 | 16.56 | 14 | 30.28 | | | | |
| | | 7.31 | | 9.00 | | 3.81 | | 13.53 | | 15.78 | | 7.08 | | 4.37 | | | | |
| 55.0 | 9 | 33.08 | 11 | 36.06 | 10 | 34.83 | 17 | 16.17 | 20 | 59.63 | 19 | 23.67 | 14 | 34.66 | | | | |
| | | 7.23 | | 8.97 | | 3.85 | | 13.42 | | 15.76 | | 7.15 | | 4.39 | | | | |
| 56.0 | 9 | 40.28 | 11 | 45.01 | 10 | 38.69 | 17 | 29.54 | 21 | 15.39 | 19 | 30.85 | 14 | 39.05 | | | | |
| | | 7.16 | | 8.93 | | 3.88 | | 13.31 | | 15.75 | | 7.21 | | 4.40 | | | | |
| 57.0 | 9 | 47.40 | 11 | 53.92 | 10 | 42.59 | 17 | 42.79 | 21 | 31.13 | 19 | 38.09 | 14 | 43.46 | | | | |
| | | 7.09 | | 8.90 | | 3.91 | | 13.20 | | 15.74 | | 7.27 | | 4.41 | | | | |
| 58.0 | 9 | 54.46 | 12 | 02.82 | 10 | 46.52 | 17 | 55.94 | 21 | 46.86 | 19 | 45.39 | 14 | 47.87 | | | | |
| | | 7.02 | | 8.88 | | 3.94 | | 13.09 | | 15.72 | | 7.33 | | 4.42 | | | | |
| 59.0 | 10 | 01.43 | 12 | 11.69 | 10 | 50.48 | 18 | 08.97 | 22 | 02.58 | 19 | 52.75 | 14 | 52.30 | | | | |
| | | 6.94 | | 8.87 | | 3.97 | | 12.98 | | 15.71 | | 7.39 | | 4.43 | | | | |
| 60.0 | 10 | 08.34 | 12 | 20.55 | 10 | 54.46 | 18 | 21.89 | 22 | 18.28 | 20 | 00.17 | 14 | 56.73 | | | | |
| | | 6.87 | | 8.85 | | 4.00 | | 12.87 | | 15.69 | | 7.44 | | 4.44 | | | | |
| 61.0 | 10 | 15.17 | 12 | 29.39 | 10 | 58.47 | 18 | 34.70 | 22 | 33.96 | 20 | 07.63 | 15 | 01.17 | | | | |
| | | 6.80 | | 8.84 | | 4.03 | | 12.75 | | 15.68 | | 7.49 | | 4.44 | | | | |
| 62.0 | 10 | 21.93 | 12 | 38.22 | 11 | 02.52 | 18 | 47.39 | 22 | 49.63 | 20 | 15.15 | 15 | 05.61 | | | | |
| | | 6.72 | | 8.82 | | 4.05 | | 12.64 | | 15.66 | | 7.54 | | 4.44 | | | | |
| 63.0 | 10 | 28.62 | 12 | 47.03 | 11 | 06.58 | 18 | 60.00 | 23 | 05.27 | 20 | 22.72 | 15 | 10.06 | 20 | 22.72 | | |
| | | 6.65 | | 8.80 | | 4.08 | | 12.53 | | 15.63 | | 7.59 | | 4.45 | | 7.59 | | |
| 64.0 | 10 | 35.23 | 12 | 55.83 | 11 | 10.67 | 19 | 12.45 | 23 | 20.89 | 20 | 30.34 | | | 20 | 30.31 | | |
| | | 6.58 | | 8.79 | | 4.10 | | 12.41 | | 15.61 | | 7.64 | | | | 7.59 | | |
| 65.0 | 10 | 41.78 | 13 | 04.60 | 11 | 14.78 | 19 | 24.80 | 23 | 36.48 | 20 | 38.00 | | | 20 | 37.90 | | |
| | | 6.51 | | 8.77 | | 4.12 | | 12.30 | | 15.58 | | 7.68 | | | | 7.59 | | |
| 66.0 | 10 | 48.25 | 13 | 13.36 | 11 | 18.92 | 19 | 37.05 | 23 | 52.04 | 20 | 45.70 | | | 20 | 45.49 | | |
| | | 6.44 | | 8.74 | | 4.15 | | 12.19 | | 15.54 | | 7.73 | | | | 7.59 | | |
| 67.0 | 10 | 54.65 | 13 | 22.09 | 11 | 23.08 | 19 | 49.18 | 24 | 07.57 | 20 | 53.45 | | | 20 | 53.07 | | |
| | | 6.36 | | 8.72 | | 4.17 | | 12.07 | | 15.51 | | 7.77 | | | | 7.58 | | |
| 68.0 | 11 | 00.97 | 13 | 30.80 | 11 | 27.26 | 20 | 01.19 | 24 | 23.06 | 21 | 01.24 | | | 21 | 00.65 | | |
| | | 6.29 | | 8.69 | | 4.19 | | 11.96 | | 15.47 | | 7.81 | | | | 7.58 | | |
| 69.0 | 11 | 07.23 | 13 | 39.47 | 11 | 31.45 | 20 | 13.09 | 24 | 38.52 | 21 | 09.06 | | | 21 | 08.22 | | |
| | | 6.22 | | 8.66 | | 4.21 | | 11.84 | | 15.44 | | 7.84 | | | | 7.57 | | |
| 70.0 | 11 | 13.41 | 13 | 48.11 | 11 | 35.67 | 20 | 24.88 | 24 | 53.93 | 21 | 16.93 | | | 21 | 15.79 | | |
| | | 6.14 | | 8.63 | | 4.22 | | 11.73 | | 15.40 | | 7.88 | | | | 7.56 | | |
| 71.0 | 11 | 19.51 | 13 | 56.73 | 11 | 39.90 | 20 | 36.55 | 25 | 09.31 | 21 | 24.82 | | | 21 | 23.34 | | |
| | | 6.07 | | 8.60 | | 4.24 | | 11.61 | | 15.36 | | 7.91 | | | | 7.55 | | |
| 72.0 | 11 | 25.55 | 14 | 05.31 | 11 | 44.15 | 20 | 48.11 | 25 | 24.65 | 21 | 32.76 | | | 21 | 30.89 | | |
| | | 6.00 | | 8.57 | | 4.26 | | 11.50 | | 15.32 | | 7.95 | | | | 7.54 | | |
| 73.0 | 11 | 31.51 | 14 | 13.86 | 11 | 48.42 | 20 | 59.55 | 25 | 39.95 | 21 | 40.72 | | | 21 | 38.42 | | |
| | | 5.93 | | 8.54 | | 4.27 | | 11.38 | | 15.28 | | 7.98 | | | | 7.52 | | |
| 74.0 | 11 | 37.40 | 14 | 22.39 | 11 | 52.70 | 21 | 10.87 | 25 | 55.21 | 21 | 48.71 | | | 21 | 45.93 | | |
| | | 5.85 | | 8.51 | | 4.29 | | 11.26 | | 15.24 | | 8.01 | | | | 7.51 | | |
| 75.0 | 11 | 43.22 | 14 | 30.88 | 11 | 56.99 | 21 | 22.07 | 26 | 10.42 | 21 | 56.73 | | | 21 | 53.43 | | |
| | | 5.78 | | 8.47 | | 4.30 | | 11.14 | | 15.20 | | 8.04 | | | | 7.49 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|--------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|---|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 75.0 | 11 | 43.22 | 14 | 30.88 | 11 | 56.99 | 21 | 22.07 | 26 | 10.42 | 21 | 56.73 | | | 21 | 53.43 | | |
| | | 5.78 | | 8.47 | | 4.30 | | 11.14 | | 15.20 | | 8.04 | | | | 7.49 | | |
| 76.0 | 11 | 48.96 | 14 | 39.34 | 12 | 01.30 | 21 | 33.15 | 26 | 25.60 | 22 | 04.78 | | | 22 | 00.90 | | |
| | | 5.70 | | 8.44 | | 4.32 | | 11.02 | | 15.15 | | 8.06 | | | | 7.44 | | |
| 77.0 | 11 | 54.62 | 14 | 47.76 | 12 | 05.62 | 21 | 44.11 | 26 | 40.73 | 22 | 12.86 | | | 22 | 08.27 | | |
| | | 5.63 | | 8.41 | | 4.33 | | 10.90 | | 15.11 | | 8.09 | | | | 7.31 | | |
| 78.0 | 12 | 00.22 | 14 | 56.16 | 12 | 09.96 | 21 | 54.95 | 26 | 55.82 | 22 | 20.96 | | | 22 | 15.53 | | |
| | | 5.56 | | 8.38 | | 4.34 | | 10.78 | | 15.07 | | 8.11 | | | | 7.21 | | |
| 79.0 | 12 | 05.74 | 15 | 04.52 | 12 | 14.30 | 22 | 05.68 | 27 | 10.86 | 22 | 29.08 | | | 22 | 22.69 | | |
| | | 5.49 | | 8.34 | | 4.35 | | 10.66 | | 15.02 | | 8.13 | | | | 7.10 | | |
| 80.0 | 12 | 11.19 | 15 | 12.84 | 12 | 18.66 | 22 | 16.28 | 27 | 25.86 | 22 | 37.23 | | | 22 | 29.73 | | |
| | | 5.41 | | 8.31 | | 4.36 | | 10.55 | | 14.97 | | 8.15 | | | | 6.98 | | |
| 81.0 | 12 | 16.56 | 15 | 21.13 | 12 | 23.02 | 22 | 26.77 | 27 | 40.81 | 22 | 45.39 | | | 22 | 36.64 | | |
| | | 5.33 | | 8.27 | | 4.37 | | 10.43 | | 14.93 | | 8.17 | | | | 6.86 | | |
| 82.0 | 12 | 21.85 | 15 | 29.39 | 12 | 27.40 | 22 | 37.13 | 27 | 55.71 | 22 | 53.57 | | | 22 | 43.44 | | |
| | | 5.26 | | 8.24 | | 4.38 | | 10.30 | | 14.88 | | 8.19 | | | | 6.73 | | |
| 83.0 | 12 | 27.07 | 15 | 37.61 | 12 | 31.78 | 22 | 47.36 | 28 | 10.57 | 23 | 01.78 | | | 22 | 50.11 | | |
| | | 5.18 | | 8.21 | | 4.39 | | 10.17 | | 14.83 | | 8.21 | | | | 6.61 | | |
| 84.0 | 12 | 32.22 | 15 | 45.80 | 12 | 36.17 | 22 | 57.47 | 28 | 25.38 | 23 | 10.00 | | | 22 | 56.66 | | |
| | | 5.10 | | 8.17 | | 4.39 | | 10.05 | | 14.78 | | 8.23 | | | | 6.49 | | |
| 85.0 | 12 | 37.28 | 15 | 53.96 | 12 | 40.57 | 23 | 07.45 | 28 | 40.14 | 23 | 18.23 | | | 23 | 03.09 | | |
| | | 5.02 | | 8.14 | | 4.40 | | 9.92 | | 14.74 | | 8.24 | | | | 6.37 | | |
| 86.0 | 12 | 42.26 | 16 | 02.08 | 12 | 44.97 | 23 | 17.31 | 28 | 54.85 | 23 | 26.48 | | | 23 | 09.40 | | |
| | | 4.95 | | 8.10 | | 4.41 | | 9.79 | | 14.69 | | 8.25 | | | | 6.25 | | |
| 87.0 | 12 | 47.18 | 16 | 10.16 | 12 | 49.38 | 23 | 27.04 | 29 | 09.51 | 23 | 34.74 | | | 23 | 15.59 | | |
| | | 4.87 | | 8.07 | | 4.41 | | 9.67 | | 14.64 | | 8.27 | | | | 6.14 | | |
| 88.0 | 12 | 51.99 | 16 | 18.21 | 12 | 53.80 | 23 | 36.64 | 29 | 24.12 | 23 | 43.01 | | | 23 | 21.67 | | |
| | | 4.75 | | 8.03 | | 4.42 | | 9.53 | | 14.59 | | 8.28 | | | | 6.03 | | |
| 89.0 | 12 | 56.71 | 16 | 26.23 | 12 | 58.22 | 23 | 46.11 | 29 | 38.69 | 23 | 51.29 | | | 23 | 27.65 | | |
| | | 4.70 | | 8.00 | | 4.42 | | 9.40 | | 14.54 | | 8.29 | | | | 5.92 | | |
| 90.0 | 13 | 01.40 | 16 | 34.20 | 13 | 02.64 | 23 | 55.44 | 29 | 53.20 | 23 | 59.59 | | | 23 | 33.52 | | |
| | | 4.67 | | 7.96 | | 4.43 | | 9.27 | | 14.49 | | 8.30 | | | | 5.82 | | |
| 91.0 | 13 | 06.05 | 16 | 42.15 | 13 | 07.07 | 24 | 04.64 | 30 | 07.66 | 24 | 07.89 | | | 23 | 39.30 | | |
| | | 4.64 | | 7.92 | | 4.43 | | 9.13 | | 14.44 | | 8.31 | | | | 5.72 | | |
| 92.0 | 13 | 10.69 | 16 | 50.05 | 13 | 11.51 | 24 | 13.71 | 30 | 22.08 | 24 | 16.20 | | | 23 | 44.97 | | |
| | | 4.63 | | 7.89 | | 4.43 | | 9.00 | | 14.39 | | 8.31 | | | | 5.63 | | |
| 93.0 | 13 | 15.31 | 16 | 57.92 | 13 | 15.94 | 24 | 22.63 | 30 | 36.44 | 24 | 24.52 | | | 23 | 50.55 | | |
| | | 4.61 | | 7.85 | | 4.44 | | 8.86 | | 14.33 | | 8.32 | | | | 5.53 | | |
| 94.0 | 13 | 19.91 | 17 | 05.76 | 13 | 20.38 | 24 | 31.43 | 30 | 50.74 | 24 | 32.84 | | | 23 | 56.03 | | |
| | | 4.60 | | 7.82 | | 4.44 | | 8.75 | | 14.28 | | 8.33 | | | | 5.44 | | |
| 95.0 | 13 | 24.50 | 17 | 13.55 | 13 | 24.82 | 24 | 40.16 | 31 | 05.00 | 24 | 41.17 | | | 24 | 01.42 | | |
| | | 4.58 | | 7.78 | | 4.44 | | 8.70 | | 14.23 | | 8.33 | | | | 5.35 | | |
| 96.0 | 13 | 29.06 | 17 | 21.32 | 13 | 29.26 | 24 | 48.83 | 31 | 19.20 | 24 | 49.50 | | | 24 | 06.73 | | |
| | | 4.55 | | 7.74 | | 4.44 | | 8.65 | | 14.17 | | 8.33 | | | | 5.26 | | |
| 97.0 | 13 | 33.60 | 17 | 29.04 | 13 | 33.71 | 24 | 57.46 | 31 | 33.35 | 24 | 57.84 | | | 24 | 11.94 | | |
| | | 4.52 | | 7.71 | | 4.44 | | 8.59 | | 14.12 | | 8.34 | | | | 5.17 | | |
| 98.0 | 13 | 38.11 | 17 | 36.73 | 13 | 38.15 | 25 | 06.00 | 31 | 47.44 | 25 | 06.18 | | | 24 | 17.06 | | |
| | | 4.50 | | 7.67 | | 4.45 | | 8.51 | | 14.07 | | 8.34 | | | | 5.08 | | |
| 99.0 | 13 | 42.59 | 17 | 44.38 | 13 | 42.60 | 25 | 14.47 | 32 | 01.48 | 25 | 14.52 | | | 24 | 22.10 | | |
| | | 4.47 | | 7.63 | | 4.45 | | 8.43 | | 14.01 | | 8.34 | | | | 5.00 | | |
| 100.0 | 13 | 47.04 | 17 | 52.00 | | | 25 | 22.86 | 32 | 15.47 | 25 | 22.86 | | | 24 | 27.06 | | |
| | | 4.45 | | 7.60 | | | | 8.34 | | 13.96 | | 8.34 | | | | 4.92 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|--------------|----|-------|----|-------|-----|---|----|-------|----|-------|-----|-------|-----|---|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 100.0 | 13 | 47.04 | 17 | 52.00 | | | 25 | 22.86 | 32 | 15.47 | 25 | 22.86 | | | 24 | 27.06 | | |
| | | 4.45 | | 7.60 | | | | 8.34 | | 13.96 | | 8.34 | | | | 4.92 | | |
| 101.0 | 13 | 51.49 | 17 | 59.58 | | | 25 | 31.20 | 32 | 29.40 | | | | | 24 | 31.94 | | |
| | | 4.45 | | 7.56 | | | | 8.34 | | 13.90 | | | | | | 4.84 | | |
| 102.0 | 13 | 55.93 | 18 | 07.12 | | | 25 | 39.54 | 32 | 43.28 | | | | | 24 | 36.73 | | |
| | | 4.45 | | 7.52 | | | | 8.34 | | 13.85 | | | | | | 4.75 | | |
| 103.0 | 14 | 00.38 | 18 | 14.63 | | | 25 | 47.88 | 32 | 57.10 | | | | | 24 | 41.45 | | |
| | | 4.45 | | 7.49 | | | | 8.34 | | 13.79 | | | | | | 4.67 | | |
| 104.0 | 14 | 04.83 | 18 | 22.10 | | | 25 | 56.22 | 33 | 10.87 | | | | | 24 | 46.08 | | |
| | | 4.45 | | 7.45 | | | | 8.34 | | 13.74 | | | | | | 4.60 | | |
| 105.0 | 14 | 09.27 | 18 | 29.53 | | | 26 | 04.56 | 33 | 24.58 | | | | | 24 | 50.64 | | |
| | | 4.45 | | 7.42 | | | | 8.34 | | 13.68 | | | | | | 4.52 | | |
| 106.0 | 14 | 13.72 | 18 | 36.93 | | | 26 | 12.90 | 33 | 38.24 | | | | | 24 | 55.12 | | |
| | | 4.45 | | 7.38 | | | | 8.34 | | 13.63 | | | | | | 4.45 | | |
| 107.0 | 14 | 18.16 | 18 | 44.29 | | | 26 | 21.24 | 33 | 51.84 | | | | | 24 | 59.53 | | |
| | | 4.45 | | 7.35 | | | | 8.34 | | 13.58 | | | | | | 4.38 | | |
| 108.0 | 14 | 22.61 | 18 | 51.62 | | | 26 | 29.58 | 34 | 05.40 | | | | | 25 | 03.87 | | |
| | | 4.45 | | 7.31 | | | | 8.34 | | 13.53 | | | | | | 4.30 | | |
| 109.0 | 14 | 27.05 | 18 | 58.91 | | | 26 | 37.92 | 34 | 18.90 | | | | | 25 | 08.14 | | |
| | | 4.45 | | 7.27 | | | | 8.34 | | 13.47 | | | | | | 4.23 | | |
| 110.0 | 14 | 31.50 | 19 | 06.17 | | | 26 | 46.26 | 34 | 32.34 | | | | | 25 | 12.34 | | |
| | | 4.45 | | 7.23 | | | | 8.34 | | 13.42 | | | | | | 4.16 | | |
| 111.0 | 14 | 35.95 | 19 | 13.38 | | | 26 | 54.60 | 34 | 45.74 | | | | | 25 | 16.47 | | |
| | | 4.45 | | 7.20 | | | | 8.34 | | 13.37 | | | | | | 4.09 | | |
| 112.0 | 14 | 40.39 | 19 | 20.56 | | | 27 | 02.94 | 34 | 59.08 | | | | | 25 | 20.53 | | |
| | | 4.45 | | 7.16 | | | | 8.34 | | 13.31 | | | | | | 4.02 | | |
| 113.0 | 14 | 44.84 | 19 | 27.70 | | | 27 | 11.28 | 35 | 12.36 | | | | | 25 | 24.52 | | |
| | | 4.45 | | 7.12 | | | | 8.34 | | 13.26 | | | | | | 3.96 | | |
| 114.0 | 14 | 49.28 | 19 | 34.81 | | | 27 | 19.62 | 35 | 25.59 | | | | | 25 | 28.44 | | |
| | | 4.45 | | 7.09 | | | | 8.34 | | 13.20 | | | | | | 3.89 | | |
| 115.0 | 14 | 53.73 | 19 | 41.88 | | | 27 | 27.97 | 35 | 38.76 | | | | | 25 | 32.30 | | |
| | | 4.45 | | 7.05 | | | | 8.34 | | 13.14 | | | | | | 3.82 | | |
| 116.0 | 14 | 58.17 | 19 | 48.91 | | | 27 | 36.31 | 35 | 51.87 | | | | | 25 | 36.08 | | |
| | | 4.45 | | 7.02 | | | | 8.34 | | 13.09 | | | | | | 3.75 | | |
| 117.0 | 15 | 02.62 | 19 | 55.91 | | | 27 | 44.65 | 36 | 04.93 | | | | | 25 | 39.80 | | |
| | | 4.45 | | 6.98 | | | | 8.34 | | 13.03 | | | | | | 3.68 | | |
| 118.0 | 15 | 07.06 | 20 | 02.87 | | | 27 | 52.99 | 36 | 17.93 | | | | | 25 | 43.44 | | |
| | | 4.45 | | 6.94 | | | | 8.34 | | 12.98 | | | | | | 3.61 | | |
| 119.0 | 15 | 11.51 | 20 | 09.79 | | | 28 | 01.33 | 36 | 30.88 | | | | | 25 | 47.02 | | |
| | | 4.45 | | 6.91 | | | | 8.34 | | 12.92 | | | | | | 3.55 | | |
| 120.0 | 15 | 15.96 | 20 | 16.68 | | | 28 | 09.67 | 36 | 43.77 | | | | | 25 | 50.54 | | |
| | | 4.45 | | 6.87 | | | | 8.34 | | 12.87 | | | | | | 3.48 | | |
| 121.0 | 15 | 20.40 | 20 | 23.53 | | | 28 | 18.01 | 36 | 56.61 | | | | | 25 | 53.99 | | |
| | | 4.45 | | 6.83 | | | | 8.34 | | 12.81 | | | | | | 3.42 | | |
| 122.0 | 15 | 24.85 | 20 | 30.35 | | | 28 | 26.35 | 37 | 09.39 | | | | | 25 | 57.37 | | |
| | | 4.45 | | 6.80 | | | | 8.34 | | 12.75 | | | | | | 3.35 | | |
| 123.0 | 15 | 29.29 | 20 | 37.12 | | | 28 | 34.69 | 37 | 22.12 | | | | | 26 | 00.68 | | |
| | | 4.45 | | 6.76 | | | | 8.34 | | 12.70 | | | | | | 3.28 | | |
| 124.0 | 15 | 33.74 | 20 | 43.86 | | | 28 | 43.03 | 37 | 34.79 | | | | | 26 | 03.93 | | |
| | | 4.45 | | 6.72 | | | | 8.34 | | 12.64 | | | | | | 3.21 | | |

Depth : 100.0 km

| Delta | P | PP | PcP | S | SS | ScS | ScP | SKS _{ac} |
|-------------|------------------|------------------|-----------------|------------------|-------------------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | 0 13.84 | | 8 17.85 | 0 24.16 | | 15 11.62 | 11 39.58 | |
| 1.0 | 0 20.39 10.82 | | 8 17.90 0.10 | 0 35.74 19.20 | | 15 11.71 0.18 | 11 39.64 0.13 | |
| 2.0 | 0 32.54 12.90 | | 8 18.05 0.19 | 0 57.38 23.05 | | 15 11.98 0.36 | 11 39.83 0.25 | |
| 3.0 | 0 45.71 13.35 | | 8 18.29 0.29 | 1 20.94 23.89 | | 15 12.43 0.53 | 11 40.14 0.37 | |
| 4.0 | 0 59.14 13.49 | | 8 18.62 0.39 | 1 44.99 24.17 | | 15 13.05 0.71 | 11 40.58 0.50 | |
| 5.0 | 1 12.67 13.55 | | 8 19.06 0.48 | 2 09.22 24.28 | | 15 13.85 0.89 | 11 41.14 0.62 | |
| 6.0 | 1 26.24 13.58 | | 8 19.59 0.58 | 2 33.53 24.33 | | 15 14.82 1.06 | 11 41.82 0.75 | |
| 7.0 | 1 39.83 13.60 | | 8 20.21 0.67 | 2 57.87 24.35 | | 15 15.98 1.24 | 11 42.63 0.87 | |
| 8.0 | 1 53.42 13.60 | | 8 20.93 0.77 | 3 22.21 24.35 | | 15 17.30 1.41 | 11 43.56 0.99 | |
| 9.0 | 2 07.02 13.60 | | 8 21.74 0.86 | 3 46.56 24.34 | | 15 18.80 1.59 | 11 44.61 1.11 | |
| 10.0 | 2 20.62 13.59 | | 8 22.65 0.95 | 4 10.88 24.32 | | 15 20.48 1.76 | 11 45.78 1.23 | |
| 11.0 | 2 34.21 13.59 | | 8 23.65 1.05 | 4 35.19 24.29 | | 15 22.32 1.93 | 11 47.07 1.35 | |
| 12.0 | 2 47.59 13.28 | | 8 24.74 1.14 | 4 59.47 24.26 | | 15 24.33 2.10 | 11 48.47 1.47 | |
| 13.0 | 3 00.80 13.13 | | 8 25.92 1.23 | 5 23.72 24.23 | | 15 26.52 2.27 | 11 50.00 1.58 | |
| 14.0 | 3 13.83 12.93 | | 8 27.20 1.32 | 5 47.93 24.20 | | 15 28.87 2.43 | 11 51.64 1.70 | |
| 15.0 | 3 26.63 12.66 | | 8 28.56 1.41 | 6 12.11 24.16 | | 15 31.38 2.60 | 11 53.39 1.81 | |
| 16.0 | 3 39.17 12.43 | | 8 30.01 1.50 | 6 36.25 24.12 | | 15 34.06 2.76 | 11 55.25 1.92 | |
| 17.0 | 3 51.49 12.22 | | 8 31.55 1.58 | 7 00.34 24.07 | | 15 36.90 2.92 | 11 57.23 2.03 | |
| 18.0 | 4 02.77 10.97 | | 8 33.18 1.67 | 7 24.01 20.15 | | 15 39.90 3.08 | 11 59.31 2.14 | |
| 19.0 | 4 13.71 10.90 | | 8 34.89 1.75 | 7 44.07 19.97 | | 15 43.06 3.24 | 12 01.49 2.24 | |
| 20.0 | 4 24.56 10.81 | | 8 36.68 1.84 | 8 03.94 19.75 | | 15 46.37 3.39 | 12 03.79 2.34 | |
| 21.0 | 4 35.32 10.70 | | 8 38.56 1.92 | 8 23.57 19.49 | | 15 49.84 3.54 | 12 06.18 2.44 | |
| 22.0 | 4 45.96 10.58 | | 8 40.52 2.00 | 8 42.56 16.36 | | 15 53.45 3.69 | 12 08.68 2.54 | |
| 23.0 | 4 56.18 9.15 | | 8 42.55 2.08 | 8 58.86 16.23 | 9 42.29 24.35 | 15 57.22 3.84 | 12 11.27 2.64 | |
| 24.0 | 5 05.31 9.11 | | 8 44.67 2.16 | 9 15.02 16.09 | 10 06.64 24.34 | 16 01.13 3.98 | 12 13.96 2.73 | |
| 25.0 | 5 14.40 9.07 | 5 53.87 13.60 | 8 46.87 2.23 | 9 30.97 15.83 | 10 30.97 24.33 | 16 05.18 4.13 | 12 16.74 2.83 | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS _{ac} | |
|-------------|---|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-------------------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 25.0 | 5 | 14.40 | 5 | 53.87 | 8 | 46.87 | 9 | 30.97 | 10 | 30.97 | 16 | 05.18 | 12 | 16.74 | | |
| | | 9.07 | | 13.60 | | 2.23 | | 15.83 | | 24.33 | | 4.13 | | 2.83 | | |
| 26.0 | 5 | 23.45 | 6 | 07.47 | 8 | 49.14 | 9 | 46.78 | 10 | 55.29 | 16 | 09.38 | 12 | 19.61 | | |
| | | 9.02 | | 13.60 | | 2.31 | | 15.79 | | 24.31 | | 4.26 | | 2.92 | | |
| 27.0 | 5 | 32.44 | 6 | 20.88 | 8 | 51.48 | 10 | 02.55 | 11 | 19.60 | 16 | 13.71 | 12 | 22.57 | | |
| | | 8.95 | | 13.26 | | 2.38 | | 15.76 | | 24.30 | | 4.40 | | 3.00 | | |
| 28.0 | 5 | 41.35 | 6 | 34.10 | 8 | 53.90 | 10 | 18.29 | 11 | 43.88 | 16 | 18.18 | 12 | 25.62 | | |
| | | 8.90 | | 13.17 | | 2.45 | | 15.73 | | 24.28 | | 4.54 | | 3.09 | | |
| 29.0 | 5 | 50.23 | 6 | 47.22 | 8 | 56.39 | 10 | 34.01 | 12 | 08.15 | 16 | 22.78 | 12 | 28.75 | | |
| | | 8.86 | | 13.06 | | 2.53 | | 15.70 | | 24.26 | | 4.67 | | 3.17 | | |
| 30.0 | 5 | 59.08 | 7 | 00.21 | 8 | 58.95 | 10 | 49.70 | 12 | 32.41 | 16 | 27.51 | 12 | 31.96 | | |
| | | 8.83 | | 12.93 | | 2.60 | | 15.67 | | 24.24 | | 4.80 | | 3.25 | | |
| 31.0 | 6 | 07.89 | 7 | 13.06 | 9 | 01.58 | 11 | 05.34 | 12 | 56.64 | 16 | 32.38 | 12 | 35.25 | | |
| | | 8.80 | | 12.78 | | 2.66 | | 15.62 | | 24.22 | | 4.92 | | 3.33 | | |
| 32.0 | 6 | 16.67 | 7 | 25.76 | 9 | 04.28 | 11 | 20.94 | 13 | 20.85 | 16 | 37.36 | 12 | 38.61 | | |
| | | 8.76 | | 12.62 | | 2.73 | | 15.57 | | 24.20 | | 5.05 | | 3.40 | | |
| 33.0 | 6 | 25.41 | 7 | 38.32 | 9 | 07.04 | 11 | 36.47 | 13 | 45.04 | 16 | 42.47 | 12 | 42.05 | | |
| | | 8.71 | | 12.49 | | 2.79 | | 15.50 | | 24.18 | | 5.17 | | 3.47 | | |
| 34.0 | 6 | 34.09 | 7 | 50.75 | 9 | 09.86 | 11 | 51.93 | 14 | 09.21 | 16 | 47.70 | 12 | 45.56 | | |
| | | 8.65 | | 12.38 | | 2.86 | | 15.42 | | 24.16 | | 5.29 | | 3.54 | | |
| 35.0 | 6 | 42.71 | 8 | 03.08 | 9 | 12.75 | 12 | 07.32 | 14 | 33.35 | 16 | 53.04 | 12 | 49.14 | | |
| | | 8.59 | | 12.27 | | 2.92 | | 15.35 | | 24.13 | | 5.40 | | 3.61 | | |
| 36.0 | 6 | 51.27 | 8 | 14.94 | 9 | 15.70 | 12 | 22.62 | 14 | 57.47 | 16 | 58.50 | 12 | 52.78 | | |
| | | 8.53 | | 11.00 | | 2.98 | | 15.27 | | 24.11 | | 5.52 | | 3.67 | | |
| 37.0 | 6 | 59.76 | 8 | 25.93 | 9 | 18.72 | 12 | 37.85 | 15 | 21.57 | 17 | 04.07 | 12 | 56.48 | | |
| | | 8.47 | | 10.97 | | 3.04 | | 15.18 | | 24.08 | | 5.63 | | 3.74 | | |
| 38.0 | 7 | 08.20 | 8 | 36.89 | 9 | 21.78 | 12 | 52.99 | 15 | 43.81 | 17 | 09.75 | 13 | 00.25 | | |
| | | 8.40 | | 10.94 | | 3.10 | | 15.10 | | 20.08 | | 5.73 | | 3.79 | | |
| 39.0 | 7 | 16.57 | 8 | 47.81 | 9 | 24.91 | 13 | 08.04 | 16 | 03.85 | 17 | 15.54 | 13 | 04.07 | | |
| | | 8.33 | | 10.90 | | 3.15 | | 15.01 | | 19.99 | | 5.84 | | 3.85 | | |
| 40.0 | 7 | 24.87 | 8 | 58.68 | 9 | 28.09 | 13 | 23.00 | 16 | 23.78 | 17 | 21.43 | 13 | 07.95 | | |
| | | 8.27 | | 10.86 | | 3.21 | | 14.92 | | 19.88 | | 5.94 | | 3.90 | | |
| 41.0 | 7 | 33.10 | 9 | 09.52 | 9 | 31.32 | 13 | 37.87 | 16 | 43.60 | 17 | 27.42 | 13 | 11.87 | | |
| | | 8.20 | | 10.81 | | 3.26 | | 14.82 | | 19.76 | | 6.04 | | 3.95 | | |
| 42.0 | 7 | 41.27 | 9 | 20.30 | 9 | 34.61 | 13 | 52.64 | 17 | 03.30 | 17 | 33.51 | 13 | 15.85 | | |
| | | 8.13 | | 10.75 | | 3.31 | | 14.72 | | 19.63 | | 6.14 | | 4.00 | | |
| 43.0 | 7 | 49.36 | 9 | 31.02 | 9 | 37.95 | 14 | 07.32 | 17 | 22.86 | 17 | 39.69 | 13 | 19.88 | | |
| | | 8.06 | | 10.70 | | 3.36 | | 14.63 | | 19.50 | | 6.23 | | 4.05 | | |
| 44.0 | 7 | 57.39 | 9 | 41.69 | 9 | 41.34 | 14 | 21.90 | 17 | 42.29 | 17 | 45.97 | 13 | 23.94 | | |
| | | 7.99 | | 10.64 | | 3.41 | | 14.53 | | 19.35 | | 6.32 | | 4.09 | | |
| 45.0 | 8 | 05.34 | 9 | 52.30 | 9 | 44.77 | 14 | 36.38 | 18 | 00.45 | 17 | 52.34 | 13 | 28.05 | | |
| | | 7.92 | | 10.57 | | 3.46 | | 14.43 | | 16.35 | | 6.41 | | 4.13 | | |
| 46.0 | 8 | 13.23 | 10 | 02.84 | 9 | 48.25 | 14 | 50.75 | 18 | 16.76 | 17 | 58.79 | 13 | 32.20 | | |
| | | 7.85 | | 10.51 | | 3.50 | | 14.32 | | 16.28 | | 6.50 | | 4.16 | | |
| 47.0 | 8 | 21.04 | 10 | 12.49 | 9 | 51.78 | 15 | 05.02 | 18 | 33.00 | 18 | 05.33 | 13 | 36.38 | | |
| | | 7.78 | | 9.14 | | 3.55 | | 14.22 | | 16.21 | | 6.58 | | 4.20 | | |
| 48.0 | 8 | 28.78 | 10 | 21.62 | 9 | 55.35 | 15 | 19.19 | 18 | 49.18 | 18 | 11.95 | 13 | 40.59 | | |
| | | 7.70 | | 9.12 | | 3.59 | | 14.11 | | 16.15 | | 6.66 | | 4.23 | | |
| 49.0 | 8 | 36.44 | 10 | 30.74 | 9 | 58.96 | 15 | 33.25 | 19 | 05.29 | 18 | 18.65 | 13 | 44.84 | | |
| | | 7.63 | | 9.10 | | 3.63 | | 14.00 | | 16.06 | | 6.74 | | 4.26 | | |
| 50.0 | 8 | 44.04 | 10 | 39.83 | 10 | 02.61 | 15 | 47.20 | 19 | 21.27 | 18 | 25.43 | 13 | 49.12 | | |
| | | 7.56 | | 9.08 | | 3.67 | | 13.90 | | 15.86 | | 6.82 | | 4.29 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|-------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 50.0 | 8 | 44.04 | 10 | 39.83 | 10 | 02.61 | 15 | 47.20 | 19 | 21.27 | 18 | 25.43 | 13 | 49.12 | | | | |
| | | 7.56 | | 9.08 | | 3.67 | | 13.90 | | 15.86 | | 6.82 | | 4.29 | | | | |
| 51.0 | 8 | 51.56 | 10 | 48.90 | 10 | 06.31 | 16 | 01.04 | 19 | 37.11 | 18 | 32.29 | 13 | 53.42 | | | | |
| | | 7.49 | | 9.06 | | 3.71 | | 13.79 | | 15.82 | | 6.89 | | 4.31 | | | | |
| 52.0 | 8 | 59.01 | 10 | 57.96 | 10 | 10.04 | 16 | 14.77 | 19 | 52.92 | 18 | 39.21 | 13 | 57.74 | | | | |
| | | 7.42 | | 9.04 | | 3.75 | | 13.68 | | 15.80 | | 6.96 | | 4.33 | | | | |
| 53.0 | 9 | 06.39 | 11 | 06.98 | 10 | 13.81 | 16 | 28.40 | 20 | 08.71 | 18 | 46.21 | 14 | 02.09 | | | | |
| | | 7.34 | | 9.01 | | 3.79 | | 13.57 | | 15.78 | | 7.03 | | 4.36 | | | | |
| 54.0 | 9 | 13.70 | 11 | 15.98 | 10 | 17.61 | 16 | 41.92 | 20 | 24.48 | 18 | 53.28 | 14 | 06.45 | | | | |
| | | 7.27 | | 8.98 | | 3.82 | | 13.47 | | 15.77 | | 7.10 | | 4.37 | | | | |
| 55.0 | 9 | 20.93 | 11 | 24.94 | 10 | 21.45 | 16 | 55.34 | 20 | 40.24 | 19 | 00.41 | 14 | 10.83 | | | | |
| | | 7.20 | | 8.94 | | 3.86 | | 13.36 | | 15.75 | | 7.16 | | 4.39 | | | | |
| 56.0 | 9 | 28.09 | 11 | 33.86 | 10 | 25.32 | 17 | 08.65 | 20 | 55.99 | 19 | 07.61 | 14 | 15.23 | | | | |
| | | 7.12 | | 8.91 | | 3.89 | | 13.25 | | 15.74 | | 7.23 | | 4.40 | | | | |
| 57.0 | 9 | 35.18 | 11 | 42.76 | 10 | 29.23 | 17 | 21.84 | 21 | 11.72 | 19 | 14.86 | 14 | 19.63 | | | | |
| | | 7.05 | | 8.89 | | 3.92 | | 13.14 | | 15.73 | | 7.29 | | 4.41 | | | | |
| 58.0 | 9 | 42.20 | 11 | 51.64 | 10 | 33.16 | 17 | 34.93 | 21 | 27.44 | 19 | 22.18 | 14 | 24.05 | | | | |
| | | 6.98 | | 8.87 | | 3.95 | | 13.03 | | 15.71 | | 7.35 | | 4.42 | | | | |
| 59.0 | 9 | 49.14 | 12 | 00.51 | 10 | 37.13 | 17 | 47.90 | 21 | 43.15 | 19 | 29.55 | 14 | 28.48 | | | | |
| | | 6.91 | | 8.86 | | 3.98 | | 12.92 | | 15.70 | | 7.40 | | 4.43 | | | | |
| 60.0 | 9 | 56.01 | 12 | 09.35 | 10 | 41.12 | 18 | 00.76 | 21 | 58.84 | 19 | 36.98 | 14 | 32.91 | | | | |
| | | 6.83 | | 8.84 | | 4.01 | | 12.81 | | 15.68 | | 7.46 | | 4.44 | | | | |
| 61.0 | 10 | 02.81 | 12 | 18.19 | 10 | 45.14 | 18 | 13.52 | 22 | 14.51 | 19 | 44.46 | 14 | 37.35 | | | | |
| | | 6.76 | | 8.83 | | 4.03 | | 12.70 | | 15.66 | | 7.51 | | 4.44 | | | | |
| 62.0 | 10 | 09.54 | 12 | 27.00 | 10 | 49.19 | 18 | 26.16 | 22 | 30.16 | 19 | 51.99 | 14 | 41.80 | | | | |
| | | 6.69 | | 8.81 | | 4.06 | | 12.58 | | 15.64 | | 7.56 | | 4.44 | | | | |
| 63.0 | 10 | 16.19 | 12 | 35.81 | 10 | 53.26 | 18 | 38.68 | 22 | 45.79 | 19 | 59.58 | 14 | 46.24 | 19 | 59.57 | | |
| | | 6.62 | | 8.79 | | 4.08 | | 12.47 | | 15.61 | | 7.61 | | 4.45 | | 7.59 | | |
| 64.0 | 10 | 22.77 | 12 | 44.59 | 10 | 57.36 | 18 | 51.10 | 23 | 01.39 | 20 | 07.20 | | | 20 | 07.16 | | |
| | | 6.55 | | 8.77 | | 4.11 | | 12.36 | | 15.59 | | 7.65 | | | | 7.59 | | |
| 65.0 | 10 | 29.29 | 12 | 53.35 | 11 | 01.47 | 19 | 03.40 | 23 | 16.96 | 20 | 14.88 | | | 20 | 14.75 | | |
| | | 6.48 | | 8.75 | | 4.13 | | 12.25 | | 15.55 | | 7.70 | | | | 7.59 | | |
| 66.0 | 10 | 35.72 | 13 | 02.09 | 11 | 05.62 | 19 | 15.59 | 23 | 32.50 | 20 | 22.60 | | | 20 | 22.34 | | |
| | | 6.40 | | 8.73 | | 4.15 | | 12.13 | | 15.52 | | 7.74 | | | | 7.58 | | |
| 67.0 | 10 | 42.09 | 13 | 10.81 | 11 | 09.78 | 19 | 27.67 | 23 | 48.00 | 20 | 30.35 | | | 20 | 29.92 | | |
| | | 6.33 | | 8.70 | | 4.17 | | 12.02 | | 15.49 | | 7.78 | | | | 7.58 | | |
| 68.0 | 10 | 48.39 | 13 | 19.49 | 11 | 13.96 | 19 | 39.63 | 24 | 03.47 | 20 | 38.15 | | | 20 | 37.50 | | |
| | | 6.26 | | 8.67 | | 4.19 | | 11.91 | | 15.45 | | 7.82 | | | | 7.57 | | |
| 69.0 | 10 | 54.61 | 13 | 28.15 | 11 | 18.16 | 19 | 51.48 | 24 | 18.90 | 20 | 45.99 | | | 20 | 45.07 | | |
| | | 6.19 | | 8.64 | | 4.21 | | 11.79 | | 15.41 | | 7.85 | | | | 7.57 | | |
| 70.0 | 11 | 00.76 | 13 | 36.77 | 11 | 22.38 | 20 | 03.21 | 24 | 34.29 | 20 | 53.86 | | | 20 | 52.63 | | |
| | | 6.12 | | 8.61 | | 4.23 | | 11.68 | | 15.37 | | 7.89 | | | | 7.56 | | |
| 71.0 | 11 | 06.84 | 13 | 45.36 | 11 | 26.62 | 20 | 14.83 | 24 | 49.64 | 21 | 01.77 | | | 21 | 00.19 | | |
| | | 6.04 | | 8.58 | | 4.25 | | 11.56 | | 15.33 | | 7.92 | | | | 7.55 | | |
| 72.0 | 11 | 12.85 | 13 | 53.93 | 11 | 30.88 | 20 | 26.34 | 25 | 04.96 | 21 | 09.71 | | | 21 | 07.73 | | |
| | | 5.97 | | 8.55 | | 4.26 | | 11.45 | | 15.29 | | 7.96 | | | | 7.53 | | |
| 73.0 | 11 | 18.78 | 14 | 02.46 | 11 | 35.15 | 20 | 37.73 | 25 | 20.23 | 21 | 17.68 | | | 21 | 15.25 | | |
| | | 5.90 | | 8.52 | | 4.28 | | 11.33 | | 15.25 | | 7.99 | | | | 7.52 | | |
| 74.0 | 11 | 24.64 | 14 | 10.96 | 11 | 39.43 | 20 | 48.99 | 25 | 35.46 | 21 | 25.68 | | | 21 | 22.76 | | |
| | | 5.82 | | 8.49 | | 4.29 | | 11.21 | | 15.21 | | 8.02 | | | | 7.50 | | |
| 75.0 | 11 | 30.43 | 14 | 19.43 | 11 | 43.73 | 21 | 00.14 | 25 | 50.65 | 21 | 33.71 | | | 21 | 30.26 | | |
| | | 5.75 | | 8.45 | | 4.31 | | 11.09 | | 15.17 | | 8.04 | | | | 7.48 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|--------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|---|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 75.0 | 11 | 30.43 | 14 | 19.43 | 11 | 43.73 | 21 | 00.14 | 25 | 50.65 | 21 | 33.71 | | | 21 | 30.26 | | |
| | | 5.75 | | 8.45 | | 4.31 | | 11.09 | | 15.17 | | 8.04 | | | | 7.48 | | |
| 76.0 | 11 | 36.14 | 14 | 27.87 | 11 | 48.04 | 21 | 11.17 | 26 | 05.80 | 21 | 41.77 | | | 21 | 37.71 | | |
| | | 5.68 | | 8.42 | | 4.32 | | 10.97 | | 15.13 | | 8.07 | | | | 7.40 | | |
| 77.0 | 11 | 41.78 | 14 | 36.28 | 11 | 52.37 | 21 | 22.09 | 26 | 20.90 | 21 | 49.85 | | | 21 | 45.05 | | |
| | | 5.60 | | 8.39 | | 4.33 | | 10.85 | | 15.08 | | 8.09 | | | | 7.28 | | |
| 78.0 | 11 | 47.35 | 14 | 44.65 | 11 | 56.70 | 21 | 32.88 | 26 | 35.96 | 21 | 57.96 | | | 21 | 52.28 | | |
| | | 5.53 | | 8.36 | | 4.34 | | 10.73 | | 15.04 | | 8.12 | | | | 7.18 | | |
| 79.0 | 11 | 52.84 | 14 | 52.99 | 12 | 01.05 | 21 | 43.55 | 26 | 50.97 | 22 | 06.09 | | | 21 | 59.41 | | |
| | | 5.46 | | 8.32 | | 4.35 | | 10.62 | | 14.99 | | 8.14 | | | | 7.07 | | |
| 80.0 | 11 | 58.26 | 15 | 01.30 | 12 | 05.41 | 21 | 54.11 | 27 | 05.94 | 22 | 14.24 | | | 22 | 06.42 | | |
| | | 5.38 | | 8.29 | | 4.36 | | 10.50 | | 14.94 | | 8.16 | | | | 6.95 | | |
| 81.0 | 12 | 03.61 | 15 | 09.57 | 12 | 09.78 | 22 | 04.55 | 27 | 20.86 | 22 | 22.41 | | | 22 | 13.30 | | |
| | | 5.31 | | 8.25 | | 4.37 | | 10.38 | | 14.90 | | 8.18 | | | | 6.83 | | |
| 82.0 | 12 | 08.88 | 15 | 17.80 | 12 | 14.15 | 22 | 14.86 | 27 | 35.74 | 22 | 30.60 | | | 22 | 20.07 | | |
| | | 5.23 | | 8.22 | | 4.38 | | 10.25 | | 14.85 | | 8.20 | | | | 6.71 | | |
| 83.0 | 12 | 14.07 | 15 | 26.01 | 12 | 18.54 | 22 | 25.05 | 27 | 50.56 | 22 | 38.81 | | | 22 | 26.71 | | |
| | | 5.16 | | 8.19 | | 4.39 | | 10.12 | | 14.80 | | 8.22 | | | | 6.58 | | |
| 84.0 | 12 | 19.19 | 15 | 34.17 | 12 | 22.93 | 22 | 35.11 | 28 | 05.34 | 22 | 47.03 | | | 22 | 33.23 | | |
| | | 5.08 | | 8.15 | | 4.40 | | 10.00 | | 14.75 | | 8.23 | | | | 6.46 | | |
| 85.0 | 12 | 24.23 | 15 | 42.31 | 12 | 27.33 | 22 | 45.05 | 28 | 20.07 | 22 | 55.27 | | | 22 | 39.63 | | |
| | | 5.00 | | 8.12 | | 4.40 | | 9.88 | | 14.71 | | 8.25 | | | | 6.34 | | |
| 86.0 | 12 | 29.19 | 15 | 50.41 | 12 | 31.74 | 22 | 54.86 | 28 | 34.75 | 23 | 03.52 | | | 22 | 45.92 | | |
| | | 4.93 | | 8.08 | | 4.41 | | 9.75 | | 14.66 | | 8.26 | | | | 6.23 | | |
| 87.0 | 12 | 34.08 | 15 | 58.47 | 12 | 36.15 | 23 | 04.54 | 28 | 49.39 | 23 | 11.79 | | | 22 | 52.09 | | |
| | | 4.84 | | 8.05 | | 4.41 | | 9.62 | | 14.61 | | 8.27 | | | | 6.11 | | |
| 88.0 | 12 | 38.85 | 16 | 06.50 | 12 | 40.57 | 23 | 14.10 | 29 | 03.97 | 23 | 20.06 | | | 22 | 58.15 | | |
| | | 4.73 | | 8.01 | | 4.42 | | 9.49 | | 14.56 | | 8.28 | | | | 6.01 | | |
| 89.0 | 12 | 43.56 | 16 | 14.49 | 12 | 44.99 | 23 | 23.52 | 29 | 18.50 | 23 | 28.35 | | | 23 | 04.10 | | |
| | | 4.69 | | 7.98 | | 4.42 | | 9.35 | | 14.51 | | 8.29 | | | | 5.90 | | |
| 90.0 | 12 | 48.24 | 16 | 22.45 | 12 | 49.41 | 23 | 32.80 | 29 | 32.99 | 23 | 36.65 | | | 23 | 09.95 | | |
| | | 4.66 | | 7.94 | | 4.43 | | 9.22 | | 14.46 | | 8.30 | | | | 5.80 | | |
| 91.0 | 12 | 52.89 | 16 | 30.37 | 12 | 53.84 | 23 | 41.96 | 29 | 47.42 | 23 | 44.95 | | | 23 | 15.70 | | |
| | | 4.64 | | 7.90 | | 4.43 | | 9.09 | | 14.41 | | 8.31 | | | | 5.70 | | |
| 92.0 | 12 | 57.52 | 16 | 38.26 | 12 | 58.28 | 23 | 50.98 | 30 | 01.80 | 23 | 53.26 | | | 23 | 21.36 | | |
| | | 4.62 | | 7.87 | | 4.44 | | 8.95 | | 14.36 | | 8.32 | | | | 5.61 | | |
| 93.0 | 13 | 02.13 | 16 | 46.11 | 13 | 02.72 | 23 | 59.86 | 30 | 16.13 | 24 | 01.58 | | | 23 | 26.92 | | |
| | | 4.61 | | 7.83 | | 4.44 | | 8.82 | | 14.30 | | 8.32 | | | | 5.51 | | |
| 94.0 | 13 | 06.73 | 16 | 53.92 | 13 | 07.15 | 24 | 08.63 | 30 | 30.40 | 24 | 09.91 | | | 23 | 32.38 | | |
| | | 4.59 | | 7.80 | | 4.44 | | 8.73 | | 14.25 | | 8.33 | | | | 5.42 | | |
| 95.0 | 13 | 11.31 | 17 | 01.70 | 13 | 11.60 | 24 | 17.34 | 30 | 44.63 | 24 | 18.24 | | | 23 | 37.76 | | |
| | | 4.57 | | 7.76 | | 4.44 | | 8.69 | | 14.20 | | 8.33 | | | | 5.33 | | |
| 96.0 | 13 | 15.87 | 17 | 09.44 | 13 | 16.04 | 24 | 26.00 | 30 | 58.80 | 24 | 26.57 | | | 23 | 43.04 | | |
| | | 4.54 | | 7.72 | | 4.44 | | 8.63 | | 14.14 | | 8.34 | | | | 5.24 | | |
| 97.0 | 13 | 20.40 | 17 | 17.15 | 13 | 20.48 | 24 | 34.60 | 31 | 12.91 | 24 | 34.91 | | | 23 | 48.24 | | |
| | | 4.52 | | 7.69 | | 4.44 | | 8.56 | | 14.09 | | 8.34 | | | | 5.15 | | |
| 98.0 | 13 | 24.90 | 17 | 24.82 | 13 | 24.93 | 24 | 43.12 | 31 | 26.98 | 24 | 43.25 | | | 23 | 53.35 | | |
| | | 4.49 | | 7.65 | | 4.45 | | 8.48 | | 14.04 | | 8.34 | | | | 5.07 | | |
| 99.0 | 13 | 29.37 | 17 | 32.45 | 13 | 29.37 | 24 | 51.56 | 31 | 40.99 | 24 | 51.59 | | | 23 | 58.38 | | |
| | | 4.46 | | 7.61 | | 4.45 | | 8.40 | | 13.98 | | 8.34 | | | | 4.98 | | |
| 100.0 | 13 | 33.82 | 17 | 40.04 | | | 24 | 59.93 | 31 | 54.94 | | | | | 24 | 03.32 | | |
| | | 4.45 | | 7.58 | | | | 8.34 | | 13.93 | | | | | | 4.90 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|--------------|----|-------|----|-------|-----|---|----|-------|----|-------|-----|---|-----|---|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 100.0 | 13 | 33.82 | 17 | 40.04 | | | 24 | 59.93 | 31 | 54.94 | | | | | 24 | 03.32 | | |
| | | 4.45 | | 7.58 | | | | 8.34 | | 13.93 | | | | | | 4.90 | | |
| 101.0 | 13 | 38.26 | 17 | 47.60 | | | 25 | 08.27 | 32 | 08.84 | | | | | 24 | 08.18 | | |
| | | 4.45 | | 7.54 | | | | 8.34 | | 13.87 | | | | | | 4.82 | | |
| 102.0 | 13 | 42.71 | 17 | 55.13 | | | 25 | 16.61 | 32 | 22.69 | | | | | 24 | 12.96 | | |
| | | 4.45 | | 7.51 | | | | 8.34 | | 13.82 | | | | | | 4.74 | | |
| 103.0 | 13 | 47.16 | 18 | 02.61 | | | 25 | 24.95 | 32 | 36.48 | | | | | 24 | 17.67 | | |
| | | 4.45 | | 7.47 | | | | 8.34 | | 13.76 | | | | | | 4.66 | | |
| 104.0 | 13 | 51.60 | 18 | 10.07 | | | 25 | 33.29 | 32 | 50.22 | | | | | 24 | 22.29 | | |
| | | 4.45 | | 7.43 | | | | 8.34 | | 13.71 | | | | | | 4.58 | | |
| 105.0 | 13 | 56.05 | 18 | 17.48 | | | 25 | 41.63 | 33 | 03.90 | | | | | 24 | 26.83 | | |
| | | 4.45 | | 7.40 | | | | 8.34 | | 13.65 | | | | | | 4.51 | | |
| 106.0 | 14 | 00.49 | 18 | 24.86 | | | 25 | 50.00 | 33 | 17.53 | | | | | 24 | 31.30 | | |
| | | 4.45 | | 7.36 | | | | 8.34 | | 13.60 | | | | | | 4.44 | | |
| 107.0 | 14 | 04.94 | 18 | 32.21 | | | 25 | 58.31 | 33 | 31.10 | | | | | 24 | 35.70 | | |
| | | 4.45 | | 7.33 | | | | 8.34 | | 13.55 | | | | | | 4.36 | | |
| 108.0 | 14 | 09.38 | 18 | 39.52 | | | 26 | 06.65 | 33 | 44.63 | | | | | 24 | 40.03 | | |
| | | 4.45 | | 7.29 | | | | 8.34 | | 13.50 | | | | | | 4.29 | | |
| 109.0 | 14 | 13.83 | 18 | 46.79 | | | 26 | 14.99 | 33 | 58.10 | | | | | 24 | 44.29 | | |
| | | 4.45 | | 7.25 | | | | 8.34 | | 13.45 | | | | | | 4.22 | | |
| 110.0 | 14 | 18.28 | 18 | 54.02 | | | 26 | 23.33 | 34 | 11.52 | | | | | 24 | 48.48 | | |
| | | 4.45 | | 7.22 | | | | 8.34 | | 13.39 | | | | | | 4.15 | | |
| 111.0 | 14 | 22.72 | 19 | 01.22 | | | 26 | 31.67 | 34 | 24.88 | | | | | 24 | 52.60 | | |
| | | 4.45 | | 7.18 | | | | 8.34 | | 13.34 | | | | | | 4.08 | | |
| 112.0 | 14 | 27.17 | 19 | 08.38 | | | 26 | 40.01 | 34 | 38.19 | | | | | 24 | 56.65 | | |
| | | 4.45 | | 7.14 | | | | 8.34 | | 13.28 | | | | | | 4.02 | | |
| 113.0 | 14 | 31.61 | 19 | 15.50 | | | 26 | 48.35 | 34 | 51.44 | | | | | 25 | 00.63 | | |
| | | 4.45 | | 7.11 | | | | 8.34 | | 13.23 | | | | | | 3.95 | | |
| 114.0 | 14 | 36.06 | 19 | 22.59 | | | 26 | 56.69 | 35 | 04.64 | | | | | 25 | 04.54 | | |
| | | 4.45 | | 7.07 | | | | 8.34 | | 13.17 | | | | | | 3.88 | | |
| 115.0 | 14 | 40.50 | 19 | 29.64 | | | 27 | 05.03 | 35 | 17.78 | | | | | 25 | 08.39 | | |
| | | 4.45 | | 7.03 | | | | 8.34 | | 13.11 | | | | | | 3.81 | | |
| 116.0 | 14 | 44.95 | 19 | 36.66 | | | 27 | 13.38 | 35 | 30.87 | | | | | 25 | 12.16 | | |
| | | 4.45 | | 7.00 | | | | 8.34 | | 13.06 | | | | | | 3.74 | | |
| 117.0 | 14 | 49.40 | 19 | 43.64 | | | 27 | 21.72 | 35 | 43.90 | | | | | 25 | 15.87 | | |
| | | 4.45 | | 6.96 | | | | 8.34 | | 13.00 | | | | | | 3.67 | | |
| 118.0 | 14 | 53.84 | 19 | 50.58 | | | 27 | 30.06 | 35 | 56.87 | | | | | 25 | 19.51 | | |
| | | 4.45 | | 6.92 | | | | 8.34 | | 12.95 | | | | | | 3.61 | | |
| 119.0 | 14 | 58.29 | 19 | 57.49 | | | 27 | 38.40 | 36 | 09.79 | | | | | 25 | 23.08 | | |
| | | 4.45 | | 6.89 | | | | 8.34 | | 12.89 | | | | | | 3.54 | | |
| 120.0 | 15 | 02.73 | 20 | 04.36 | | | 27 | 46.74 | 36 | 22.66 | | | | | 25 | 26.59 | | |
| | | 4.45 | | 6.85 | | | | 8.34 | | 12.84 | | | | | | 3.47 | | |
| 121.0 | 15 | 07.18 | 20 | 11.19 | | | 27 | 55.08 | 36 | 35.47 | | | | | 25 | 30.03 | | |
| | | 4.45 | | 6.81 | | | | 8.34 | | 12.78 | | | | | | 3.41 | | |
| 122.0 | 15 | 11.62 | 20 | 17.99 | | | 28 | 03.42 | 36 | 48.22 | | | | | 25 | 33.40 | | |
| | | 4.45 | | 6.78 | | | | 8.34 | | 12.73 | | | | | | 3.34 | | |
| 123.0 | 15 | 16.07 | 20 | 24.75 | | | 28 | 11.76 | 37 | 00.92 | | | | | 25 | 36.71 | | |
| | | 4.45 | | 6.74 | | | | 8.34 | | 12.67 | | | | | | 3.27 | | |
| 124.0 | 15 | 20.52 | 20 | 31.47 | | | 28 | 20.10 | 37 | 13.56 | | | | | 25 | 39.95 | | |
| | | 4.45 | | 6.71 | | | | 8.34 | | 12.61 | | | | | | 3.21 | | |

Depth : 300.0 km

| Delta | P | PP | PcP | S | SS | ScS | ScP | SKS _{ac} |
|-------------|------------------|------------------|-----------------|------------------|-------------------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | 0 37.97 | | 7 53.72 | 1 08.13 | | 14 27.65 | 10 55.60 | |
| 1.0 | 0 40.34 4.61 | | 7 53.77 0.10 | 1 12.42 8.32 | | 14 27.74 0.18 | 10 55.67 0.13 | |
| 2.0 | 0 46.73 7.91 | | 7 53.92 0.20 | 1 23.96 14.30 | | 14 28.01 0.36 | 10 55.86 0.25 | |
| 3.0 | 0 55.71 9.86 | | 7 54.16 0.29 | 1 40.21 17.87 | | 14 28.46 0.54 | 10 56.17 0.38 | |
| 4.0 | 1 06.17 10.96 | | 7 54.51 0.39 | 1 59.19 19.91 | | 14 29.10 0.72 | 10 56.61 0.50 | |
| 5.0 | 1 17.48 11.59 | | 7 54.95 0.49 | 2 19.74 21.09 | | 14 29.91 0.90 | 10 57.18 0.63 | |
| 6.0 | 1 29.26 11.95 | | 7 55.48 0.58 | 2 41.21 21.80 | | 14 30.90 1.08 | 10 57.87 0.75 | |
| 7.0 | 1 41.32 12.15 | | 7 56.11 0.68 | 3 03.24 22.23 | | 14 32.06 1.26 | 10 58.69 0.88 | |
| 8.0 | 1 53.52 12.25 | | 7 56.84 0.78 | 3 25.60 22.48 | | 14 33.41 1.43 | 10 59.62 1.00 | |
| 9.0 | 2 05.79 12.28 | | 7 57.67 0.87 | 3 48.15 22.61 | | 14 34.93 1.61 | 11 00.68 1.12 | |
| 10.0 | 2 18.07 12.26 | | 7 58.59 0.97 | 4 10.79 22.65 | | 14 36.63 1.78 | 11 01.87 1.24 | |
| 11.0 | 2 30.30 12.21 | | 7 59.60 1.06 | 4 33.43 22.61 | | 14 38.50 1.96 | 11 03.17 1.36 | |
| 12.0 | 2 42.47 12.12 | | 8 00.71 1.15 | 4 55.99 22.52 | | 14 40.54 2.13 | 11 04.59 1.48 | |
| 13.0 | 2 54.55 12.02 | | 8 01.91 1.24 | 5 18.45 22.38 | | 14 42.75 2.30 | 11 06.13 1.60 | |
| 14.0 | 3 05.98 11.03 | | 8 03.20 1.34 | 5 40.30 20.28 | | 14 45.13 2.46 | 11 07.78 1.71 | |
| 15.0 | 3 16.99 10.97 | | 8 04.58 1.43 | 6 00.52 20.15 | | 14 47.68 2.63 | 11 09.55 1.82 | |
| 16.0 | 3 27.93 10.91 | | 8 06.05 1.51 | 6 20.59 19.99 | | 14 50.39 2.80 | 11 11.43 1.94 | |
| 17.0 | 3 38.79 10.82 | | 8 07.60 1.60 | 6 40.48 19.79 | | 14 53.27 2.96 | 11 13.42 2.05 | |
| 18.0 | 3 49.57 10.73 | | 8 09.25 1.69 | 7 00.15 19.56 | | 14 56.31 3.12 | 11 15.52 2.15 | |
| 19.0 | 4 00.24 10.62 | | 8 10.98 1.77 | 7 19.59 19.31 | | 14 59.50 3.28 | 11 17.72 2.26 | |
| 20.0 | 4 10.81 10.50 | | 8 12.80 1.86 | 7 38.06 16.39 | | 15 02.86 3.43 | 11 20.03 2.36 | |
| 21.0 | 4 20.76 9.15 | | 8 14.70 1.94 | 7 54.39 16.26 | | 15 06.36 3.58 | 11 22.45 2.46 | |
| 22.0 | 4 29.90 9.12 | | 8 16.68 2.02 | 8 10.59 16.13 | | 15 10.02 3.73 | 11 24.96 2.56 | |
| 23.0 | 4 39.00 9.08 | | 8 18.74 2.10 | 8 26.62 15.86 | | 15 13.83 3.88 | 11 27.57 2.66 | |
| 24.0 | 4 48.05 9.03 | 5 49.43 11.12 | 8 20.88 2.18 | 8 42.44 15.80 | | 15 17.79 4.03 | 11 30.28 2.76 | |
| 25.0 | 4 57.05 8.97 | 6 00.54 11.11 | 8 23.10 2.26 | 8 58.22 15.77 | 10 56.84 20.48 | 15 21.89 4.17 | 11 33.08 2.85 | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS _{ac} | |
|-------------|---|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-------------------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 25.0 | 4 | 57.05 | 6 | 00.54 | 8 | 23.10 | 8 | 58.22 | 10 | 56.84 | 15 | 21.89 | 11 | 33.08 | | |
| | | 8.97 | | 11.11 | | 2.26 | | 15.77 | | 20.48 | | 4.17 | | 2.85 | | |
| 26.0 | 5 | 05.99 | 6 | 11.66 | 8 | 25.39 | 9 | 13.97 | 11 | 17.31 | 15 | 26.13 | 11 | 35.97 | | |
| | | 8.91 | | 11.11 | | 2.33 | | 15.74 | | 20.47 | | 4.31 | | 2.94 | | |
| 27.0 | 5 | 14.88 | 6 | 22.76 | 8 | 27.77 | 9 | 29.70 | 11 | 37.78 | 15 | 30.51 | 11 | 38.96 | | |
| | | 8.87 | | 11.10 | | 2.41 | | 15.71 | | 20.46 | | 4.45 | | 3.02 | | |
| 28.0 | 5 | 23.73 | 6 | 29.65 | 8 | 30.21 | 9 | 45.40 | 11 | 58.23 | 15 | 35.03 | 11 | 42.02 | | |
| | | 8.84 | | 12.27 | | 2.48 | | 15.68 | | 20.44 | | 4.59 | | 3.11 | | |
| 29.0 | 5 | 32.55 | 6 | 41.90 | 8 | 32.73 | 10 | 01.06 | 12 | 18.66 | 15 | 39.68 | 11 | 45.17 | | |
| | | 8.81 | | 12.23 | | 2.55 | | 15.64 | | 20.42 | | 4.72 | | 3.19 | | |
| 30.0 | 5 | 41.34 | 6 | 54.11 | 8 | 35.31 | 10 | 16.68 | 12 | 32.37 | 15 | 44.47 | 11 | 48.40 | | |
| | | 8.77 | | 12.18 | | 2.62 | | 15.59 | | 22.65 | | 4.85 | | 3.27 | | |
| 31.0 | 5 | 50.09 | 7 | 06.26 | 8 | 37.97 | 10 | 32.24 | 12 | 55.01 | 15 | 49.38 | 11 | 51.71 | | |
| | | 8.73 | | 12.11 | | 2.69 | | 15.52 | | 22.61 | | 4.97 | | 3.35 | | |
| 32.0 | 5 | 58.79 | 7 | 18.14 | 8 | 40.69 | 10 | 47.73 | 13 | 17.58 | 15 | 54.41 | 11 | 55.10 | | |
| | | 8.67 | | 11.03 | | 2.76 | | 15.45 | | 22.54 | | 5.10 | | 3.42 | | |
| 33.0 | 6 | 07.43 | 7 | 29.15 | 8 | 43.48 | 11 | 03.14 | 13 | 40.00 | 15 | 59.57 | 11 | 58.56 | | |
| | | 8.61 | | 11.00 | | 2.82 | | 15.38 | | 20.23 | | 5.22 | | 3.49 | | |
| 34.0 | 6 | 16.01 | 7 | 40.14 | 8 | 46.33 | 11 | 18.48 | 14 | 00.20 | 16 | 04.85 | 12 | 02.09 | | |
| | | 8.55 | | 10.97 | | 2.88 | | 15.30 | | 20.16 | | 5.34 | | 3.56 | | |
| 35.0 | 6 | 24.53 | 7 | 51.10 | 8 | 49.25 | 11 | 33.74 | 14 | 20.32 | 16 | 10.24 | 12 | 05.68 | | |
| | | 8.49 | | 10.94 | | 2.95 | | 15.22 | | 20.08 | | 5.45 | | 3.63 | | |
| 36.0 | 6 | 32.99 | 8 | 02.02 | 8 | 52.23 | 11 | 48.92 | 14 | 40.36 | 16 | 15.75 | 12 | 09.34 | | |
| | | 8.43 | | 10.90 | | 3.01 | | 15.14 | | 19.99 | | 5.57 | | 3.69 | | |
| 37.0 | 6 | 41.39 | 8 | 12.91 | 8 | 55.26 | 12 | 04.01 | 15 | 00.30 | 16 | 21.37 | 12 | 13.07 | | |
| | | 8.36 | | 10.86 | | 3.07 | | 15.05 | | 19.89 | | 5.68 | | 3.75 | | |
| 38.0 | 6 | 49.72 | 8 | 23.75 | 8 | 58.36 | 12 | 19.02 | 15 | 20.14 | 16 | 27.10 | 12 | 16.85 | | |
| | | 8.30 | | 10.82 | | 3.12 | | 14.96 | | 19.78 | | 5.78 | | 3.81 | | |
| 39.0 | 6 | 57.99 | 8 | 34.54 | 9 | 01.51 | 12 | 33.93 | 15 | 39.86 | 16 | 32.94 | 12 | 20.69 | | |
| | | 8.23 | | 10.77 | | 3.18 | | 14.87 | | 19.66 | | 5.89 | | 3.87 | | |
| 40.0 | 7 | 06.19 | 8 | 45.28 | 9 | 04.71 | 12 | 48.75 | 15 | 59.45 | 16 | 38.88 | 12 | 24.58 | | |
| | | 8.16 | | 10.71 | | 3.23 | | 14.77 | | 19.53 | | 5.99 | | 3.92 | | |
| 41.0 | 7 | 14.32 | 8 | 55.96 | 9 | 07.97 | 13 | 03.48 | 16 | 18.92 | 16 | 44.92 | 12 | 28.52 | | |
| | | 8.10 | | 10.66 | | 3.29 | | 14.68 | | 19.40 | | 6.09 | | 3.97 | | |
| 42.0 | 7 | 22.38 | 9 | 06.59 | 9 | 11.29 | 13 | 18.11 | 16 | 38.25 | 16 | 51.05 | 12 | 32.51 | | |
| | | 8.03 | | 10.60 | | 3.34 | | 14.58 | | 19.26 | | 6.18 | | 4.02 | | |
| 43.0 | 7 | 30.37 | 9 | 17.16 | 9 | 14.65 | 13 | 32.65 | 16 | 55.95 | 16 | 57.28 | 12 | 36.55 | | |
| | | 7.96 | | 10.54 | | 3.39 | | 14.48 | | 16.36 | | 6.28 | | 4.06 | | |
| 44.0 | 7 | 38.30 | 9 | 27.66 | 9 | 18.06 | 13 | 47.08 | 17 | 12.28 | 17 | 03.61 | 12 | 40.63 | | |
| | | 7.89 | | 10.47 | | 3.44 | | 14.38 | | 16.29 | | 6.37 | | 4.10 | | |
| 45.0 | 7 | 46.15 | 9 | 37.07 | 9 | 21.52 | 14 | 01.41 | 17 | 28.54 | 17 | 10.02 | 12 | 44.75 | | |
| | | 7.82 | | 9.15 | | 3.48 | | 14.28 | | 16.23 | | 6.46 | | 4.14 | | |
| 46.0 | 7 | 53.93 | 9 | 46.21 | 9 | 25.02 | 14 | 15.64 | 17 | 44.74 | 17 | 16.52 | 12 | 48.91 | | |
| | | 7.75 | | 9.13 | | 3.53 | | 14.18 | | 16.16 | | 6.54 | | 4.18 | | |
| 47.0 | 8 | 01.65 | 9 | 55.33 | 9 | 28.57 | 14 | 29.77 | 18 | 00.87 | 17 | 23.10 | 12 | 53.11 | | |
| | | 7.68 | | 9.11 | | 3.57 | | 14.07 | | 16.09 | | 6.63 | | 4.21 | | |
| 48.0 | 8 | 09.29 | 10 | 04.43 | 9 | 32.17 | 14 | 43.79 | 18 | 16.90 | 17 | 29.77 | 12 | 57.33 | | |
| | | 7.61 | | 9.09 | | 3.61 | | 13.97 | | 15.96 | | 6.71 | | 4.24 | | |
| 49.0 | 8 | 16.86 | 10 | 13.50 | 9 | 35.80 | 14 | 57.70 | 18 | 32.76 | 17 | 36.51 | 13 | 01.59 | | |
| | | 7.53 | | 9.07 | | 3.66 | | 13.86 | | 15.83 | | 6.78 | | 4.27 | | |
| 50.0 | 8 | 24.36 | 10 | 22.56 | 9 | 39.48 | 15 | 11.51 | 18 | 48.58 | 17 | 43.33 | 13 | 05.87 | | |
| | | 7.46 | | 9.04 | | 3.70 | | 13.75 | | 15.81 | | 6.86 | | 4.30 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|-------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 50.0 | 8 | 24.36 | 10 | 22.56 | 9 | 39.48 | 15 | 11.51 | 18 | 48.58 | 17 | 43.33 | 13 | 05.87 | | | | |
| | | 7.46 | | 9.04 | | 3.70 | | 13.75 | | 15.81 | | 6.86 | | 4.30 | | | | |
| 51.0 | 8 | 31.79 | 10 | 31.59 | 9 | 43.19 | 15 | 25.20 | 19 | 04.37 | 17 | 50.23 | 13 | 10.18 | | | | |
| | | 7.39 | | 9.02 | | 3.73 | | 13.65 | | 15.79 | | 6.93 | | 4.32 | | | | |
| 52.0 | 8 | 39.15 | 10 | 40.60 | 9 | 46.94 | 15 | 38.80 | 19 | 20.15 | 17 | 57.20 | 13 | 14.51 | | | | |
| | | 7.32 | | 8.99 | | 3.77 | | 13.54 | | 15.77 | | 7.00 | | 4.34 | | | | |
| 53.0 | 8 | 46.44 | 10 | 49.56 | 9 | 50.73 | 15 | 52.29 | 19 | 35.92 | 18 | 04.24 | 13 | 18.87 | | | | |
| | | 7.25 | | 8.95 | | 3.81 | | 13.44 | | 15.76 | | 7.07 | | 4.36 | | | | |
| 54.0 | 8 | 53.65 | 10 | 58.50 | 9 | 54.56 | 16 | 05.68 | 19 | 51.67 | 18 | 11.34 | 13 | 23.24 | | | | |
| | | 7.18 | | 8.92 | | 3.84 | | 13.33 | | 15.74 | | 7.14 | | 4.38 | | | | |
| 55.0 | 9 | 00.80 | 11 | 07.40 | 9 | 58.41 | 16 | 18.96 | 20 | 07.41 | 18 | 18.51 | 13 | 27.62 | | | | |
| | | 7.11 | | 8.89 | | 3.87 | | 13.22 | | 15.73 | | 7.20 | | 4.39 | | | | |
| 56.0 | 9 | 07.87 | 11 | 16.28 | 10 | 02.31 | 16 | 32.12 | 20 | 23.13 | 18 | 25.74 | 13 | 32.02 | | | | |
| | | 7.04 | | 8.88 | | 3.91 | | 13.11 | | 15.72 | | 7.26 | | 4.41 | | | | |
| 57.0 | 9 | 14.87 | 11 | 25.15 | 10 | 06.23 | 16 | 45.18 | 20 | 38.84 | 18 | 33.04 | 13 | 36.43 | | | | |
| | | 6.97 | | 8.86 | | 3.94 | | 13.00 | | 15.70 | | 7.32 | | 4.42 | | | | |
| 58.0 | 9 | 21.80 | 11 | 34.00 | 10 | 10.18 | 16 | 58.13 | 20 | 54.54 | 18 | 40.39 | 13 | 40.86 | | | | |
| | | 6.90 | | 8.84 | | 3.97 | | 12.90 | | 15.69 | | 7.38 | | 4.43 | | | | |
| 59.0 | 9 | 28.66 | 11 | 42.84 | 10 | 14.16 | 17 | 10.97 | 21 | 10.22 | 18 | 47.79 | 13 | 45.29 | | | | |
| | | 6.82 | | 8.83 | | 4.00 | | 12.79 | | 15.67 | | 7.43 | | 4.43 | | | | |
| 60.0 | 9 | 35.45 | 11 | 51.66 | 10 | 18.17 | 17 | 23.71 | 21 | 25.88 | 18 | 55.26 | 13 | 49.72 | | | | |
| | | 6.75 | | 8.81 | | 4.02 | | 12.68 | | 15.65 | | 7.49 | | 4.44 | | | | |
| 61.0 | 9 | 42.17 | 12 | 00.47 | 10 | 22.21 | 17 | 36.33 | 21 | 41.52 | 19 | 02.77 | 13 | 54.16 | | | | |
| | | 6.68 | | 8.80 | | 4.05 | | 12.57 | | 15.62 | | 7.54 | | 4.44 | | | | |
| 62.0 | 9 | 48.81 | 12 | 09.26 | 10 | 26.27 | 17 | 48.84 | 21 | 57.13 | 19 | 10.33 | 13 | 58.61 | | | | |
| | | 6.61 | | 8.78 | | 4.07 | | 12.45 | | 15.60 | | 7.59 | | 4.44 | | | | |
| 63.0 | 9 | 55.39 | 12 | 18.03 | 10 | 30.36 | 18 | 01.24 | 22 | 12.71 | 19 | 17.94 | 14 | 03.05 | 19 | 17.92 | | |
| | | 6.54 | | 8.76 | | 4.10 | | 12.34 | | 15.57 | | 7.63 | | 4.45 | | 7.59 | | |
| 64.0 | 10 | 01.89 | 12 | 26.78 | 10 | 34.47 | 18 | 13.52 | 22 | 28.26 | 19 | 25.60 | | | 19 | 25.51 | | |
| | | 6.47 | | 8.74 | | 4.12 | | 12.23 | | 15.53 | | 7.68 | | | | 7.59 | | |
| 65.0 | 10 | 08.33 | 12 | 35.50 | 10 | 38.60 | 18 | 25.70 | 22 | 43.78 | 19 | 33.30 | | | 19 | 33.10 | | |
| | | 6.40 | | 8.71 | | 4.14 | | 12.12 | | 15.50 | | 7.72 | | | | 7.59 | | |
| 66.0 | 10 | 14.69 | 12 | 44.19 | 10 | 42.76 | 18 | 37.77 | 22 | 59.26 | 19 | 41.05 | | | 19 | 40.69 | | |
| | | 6.33 | | 8.68 | | 4.17 | | 12.01 | | 15.46 | | 7.76 | | | | 7.58 | | |
| 67.0 | 10 | 20.99 | 12 | 52.86 | 10 | 46.93 | 18 | 49.72 | 23 | 14.70 | 19 | 48.83 | | | 19 | 48.27 | | |
| | | 6.26 | | 8.65 | | 4.19 | | 11.90 | | 15.43 | | 7.80 | | | | 7.58 | | |
| 68.0 | 10 | 27.21 | 13 | 01.49 | 10 | 51.13 | 19 | 01.56 | 23 | 30.11 | 19 | 56.66 | | | 19 | 55.84 | | |
| | | 6.19 | | 8.62 | | 4.20 | | 11.78 | | 15.39 | | 7.84 | | | | 7.57 | | |
| 69.0 | 10 | 33.36 | 13 | 10.09 | 10 | 55.34 | 19 | 13.29 | 23 | 45.48 | 20 | 04.52 | | | 20 | 03.40 | | |
| | | 6.12 | | 8.59 | | 4.22 | | 11.67 | | 15.35 | | 7.88 | | | | 7.56 | | |
| 70.0 | 10 | 39.44 | 13 | 18.67 | 10 | 59.57 | 19 | 24.90 | 24 | 00.81 | 20 | 12.41 | | | 20 | 10.96 | | |
| | | 6.04 | | 8.56 | | 4.24 | | 11.56 | | 15.31 | | 7.91 | | | | 7.55 | | |
| 71.0 | 10 | 45.45 | 13 | 27.21 | 11 | 03.82 | 19 | 36.40 | 24 | 16.10 | 20 | 20.34 | | | 20 | 18.51 | | |
| | | 5.97 | | 8.53 | | 4.26 | | 11.44 | | 15.27 | | 7.95 | | | | 7.54 | | |
| 72.0 | 10 | 51.39 | 13 | 35.73 | 11 | 08.09 | 19 | 47.79 | 24 | 31.35 | 20 | 28.30 | | | 20 | 26.04 | | |
| | | 5.90 | | 8.50 | | 4.27 | | 11.33 | | 15.23 | | 7.98 | | | | 7.52 | | |
| 73.0 | 10 | 57.25 | 13 | 44.21 | 11 | 12.37 | 19 | 59.05 | 24 | 46.55 | 20 | 36.30 | | | 20 | 33.56 | | |
| | | 5.83 | | 8.47 | | 4.29 | | 11.21 | | 15.19 | | 8.01 | | | | 7.51 | | |
| 74.0 | 11 | 03.04 | 13 | 52.66 | 11 | 16.66 | 20 | 10.20 | 25 | 01.72 | 20 | 44.32 | | | 20 | 41.06 | | |
| | | 5.75 | | 8.44 | | 4.30 | | 11.09 | | 15.14 | | 8.04 | | | | 7.49 | | |
| 75.0 | 11 | 08.76 | 14 | 01.08 | 11 | 20.97 | 20 | 21.24 | 25 | 16.84 | 20 | 52.36 | | | 20 | 48.53 | | |
| | | 5.68 | | 8.40 | | 4.31 | | 10.98 | | 15.10 | | 8.06 | | | | 7.45 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|--------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|---|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 75.0 | 11 | 08.76 | 14 | 01.08 | 11 | 20.97 | 20 | 21.24 | 25 | 16.84 | 20 | 52.36 | | | 20 | 48.53 | | |
| | | 5.68 | | 8.40 | | 4.31 | | 10.98 | | 15.10 | | 8.06 | | | | 7.45 | | |
| 76.0 | 11 | 14.41 | 14 | 09.47 | 11 | 25.29 | 20 | 32.16 | 25 | 31.92 | 21 | 00.44 | | | 20 | 55.92 | | |
| | | 5.61 | | 8.37 | | 4.33 | | 10.86 | | 15.06 | | 8.09 | | | | 7.32 | | |
| 77.0 | 11 | 20.00 | 14 | 17.82 | 11 | 29.62 | 20 | 42.96 | 25 | 46.96 | 21 | 08.54 | | | 21 | 03.19 | | |
| | | 5.54 | | 8.34 | | 4.34 | | 10.74 | | 15.01 | | 8.11 | | | | 7.22 | | |
| 78.0 | 11 | 25.49 | 14 | 26.14 | 11 | 33.97 | 20 | 53.64 | 26 | 01.95 | 21 | 16.66 | | | 21 | 10.36 | | |
| | | 5.47 | | 8.30 | | 4.35 | | 10.62 | | 14.97 | | 8.13 | | | | 7.12 | | |
| 79.0 | 11 | 30.92 | 14 | 34.43 | 11 | 38.32 | 21 | 04.20 | 26 | 16.89 | 21 | 24.80 | | | 21 | 17.42 | | |
| | | 5.40 | | 8.27 | | 4.36 | | 10.51 | | 14.92 | | 8.15 | | | | 7.00 | | |
| 80.0 | 11 | 36.28 | 14 | 42.68 | 11 | 42.69 | 21 | 14.65 | 26 | 31.79 | 21 | 32.97 | | | 21 | 24.36 | | |
| | | 5.32 | | 8.24 | | 4.37 | | 10.39 | | 14.87 | | 8.17 | | | | 6.88 | | |
| 81.0 | 11 | 41.56 | 14 | 50.90 | 11 | 47.06 | 21 | 24.98 | 26 | 46.64 | 21 | 41.15 | | | 21 | 31.18 | | |
| | | 5.24 | | 8.20 | | 4.38 | | 10.26 | | 14.83 | | 8.19 | | | | 6.76 | | |
| 82.0 | 11 | 46.77 | 14 | 59.09 | 11 | 51.44 | 21 | 35.18 | 27 | 01.44 | 21 | 49.35 | | | 21 | 37.88 | | |
| | | 5.17 | | 8.17 | | 4.39 | | 10.14 | | 14.78 | | 8.21 | | | | 6.64 | | |
| 83.0 | 11 | 51.90 | 15 | 07.24 | 11 | 55.83 | 21 | 45.25 | 27 | 16.20 | 21 | 57.57 | | | 21 | 44.46 | | |
| | | 5.09 | | 8.13 | | 4.39 | | 10.02 | | 14.73 | | 8.23 | | | | 6.52 | | |
| 84.0 | 11 | 56.96 | 15 | 15.36 | 12 | 00.23 | 21 | 55.21 | 27 | 30.91 | 22 | 05.81 | | | 21 | 50.91 | | |
| | | 5.01 | | 8.10 | | 4.40 | | 9.89 | | 14.68 | | 8.24 | | | | 6.40 | | |
| 85.0 | 12 | 01.93 | 15 | 23.44 | 12 | 04.63 | 22 | 05.04 | 27 | 45.57 | 22 | 14.05 | | | 21 | 57.26 | | |
| | | 4.94 | | 8.06 | | 4.41 | | 9.77 | | 14.63 | | 8.25 | | | | 6.28 | | |
| 86.0 | 12 | 06.84 | 15 | 31.49 | 12 | 09.04 | 22 | 14.74 | 28 | 00.17 | 22 | 22.31 | | | 22 | 03.48 | | |
| | | 4.87 | | 8.03 | | 4.41 | | 9.64 | | 14.59 | | 8.27 | | | | 6.17 | | |
| 87.0 | 12 | 11.65 | 15 | 39.50 | 12 | 13.46 | 22 | 24.32 | 28 | 14.74 | 22 | 30.59 | | | 22 | 09.59 | | |
| | | 4.75 | | 7.99 | | 4.42 | | 9.51 | | 14.54 | | 8.28 | | | | 6.06 | | |
| 88.0 | 12 | 16.37 | 15 | 47.47 | 12 | 17.88 | 22 | 33.77 | 28 | 29.25 | 22 | 38.87 | | | 22 | 15.60 | | |
| | | 4.70 | | 7.96 | | 4.42 | | 9.38 | | 14.49 | | 8.29 | | | | 5.96 | | |
| 89.0 | 12 | 21.05 | 15 | 55.42 | 12 | 22.30 | 22 | 43.08 | 28 | 43.71 | 22 | 47.17 | | | 22 | 21.50 | | |
| | | 4.67 | | 7.92 | | 4.43 | | 9.25 | | 14.44 | | 8.30 | | | | 5.85 | | |
| 90.0 | 12 | 25.71 | 16 | 03.32 | 12 | 26.73 | 22 | 52.26 | 28 | 58.12 | 22 | 55.47 | | | 22 | 27.31 | | |
| | | 4.64 | | 7.89 | | 4.43 | | 9.12 | | 14.38 | | 8.31 | | | | 5.76 | | |
| 91.0 | 12 | 30.35 | 16 | 11.19 | 12 | 31.17 | 23 | 01.31 | 29 | 12.48 | 23 | 03.78 | | | 22 | 33.02 | | |
| | | 4.63 | | 7.85 | | 4.43 | | 8.98 | | 14.33 | | 8.31 | | | | 5.66 | | |
| 92.0 | 12 | 34.96 | 16 | 19.03 | 12 | 35.60 | 23 | 10.23 | 29 | 26.78 | 23 | 12.10 | | | 22 | 38.63 | | |
| | | 4.61 | | 7.82 | | 4.44 | | 8.85 | | 14.28 | | 8.32 | | | | 5.56 | | |
| 93.0 | 12 | 39.57 | 16 | 26.83 | 12 | 40.04 | 23 | 19.02 | 29 | 41.04 | 23 | 20.42 | | | 22 | 44.15 | | |
| | | 4.60 | | 7.78 | | 4.44 | | 8.75 | | 14.23 | | 8.33 | | | | 5.47 | | |
| 94.0 | 12 | 44.15 | 16 | 34.59 | 12 | 44.48 | 23 | 27.74 | 29 | 55.24 | 23 | 28.75 | | | 22 | 49.57 | | |
| | | 4.58 | | 7.75 | | 4.44 | | 8.70 | | 14.18 | | 8.33 | | | | 5.38 | | |
| 95.0 | 12 | 48.72 | 16 | 42.32 | 12 | 48.92 | 23 | 36.42 | 30 | 09.39 | 23 | 37.08 | | | 22 | 54.91 | | |
| | | 4.55 | | 7.71 | | 4.44 | | 8.65 | | 14.12 | | 8.33 | | | | 5.29 | | |
| 96.0 | 12 | 53.26 | 16 | 50.01 | 12 | 53.37 | 23 | 45.04 | 30 | 23.49 | 23 | 45.41 | | | 23 | 00.16 | | |
| | | 4.53 | | 7.67 | | 4.44 | | 8.58 | | 14.07 | | 8.34 | | | | 5.20 | | |
| 97.0 | 12 | 57.77 | 16 | 57.67 | 12 | 57.81 | 23 | 53.58 | 30 | 37.53 | 23 | 53.75 | | | 23 | 05.32 | | |
| | | 4.50 | | 7.64 | | 4.45 | | 8.50 | | 14.02 | | 8.34 | | | | 5.12 | | |
| 98.0 | 13 | 02.25 | 17 | 05.29 | 13 | 02.26 | 24 | 02.05 | 30 | 51.52 | 24 | 02.09 | | | 23 | 10.39 | | |
| | | 4.47 | | 7.60 | | 4.45 | | 8.43 | | 13.96 | | 8.34 | | | | 5.03 | | |
| 99.0 | 13 | 06.70 | 17 | 12.87 | | | 24 | 10.43 | 31 | 05.46 | 24 | 10.43 | | | 23 | 15.38 | | |
| | | 4.45 | | 7.57 | | | | 8.34 | | 13.91 | | 8.34 | | | | 4.95 | | |
| 100.0 | 13 | 11.15 | 17 | 20.42 | | | 24 | 18.77 | 31 | 19.34 | | | | | 23 | 20.29 | | |
| | | 4.45 | | 7.53 | | | | 8.34 | | 13.86 | | | | | | 4.87 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKSac | |
|--------------|----|-------|----|-------|-----|---|----|-------|----|-------|-----|---|-----|---|-----|-------|-------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 100.0 | 13 | 11.15 | 17 | 20.42 | | | 24 | 18.77 | 31 | 19.34 | | | | | 23 | 20.29 | | |
| | | 4.45 | | 7.53 | | | | 8.34 | | 13.86 | | | | | | 4.87 | | |
| 101.0 | 13 | 15.59 | 17 | 27.93 | | | 24 | 27.11 | 31 | 33.17 | | | | | 23 | 25.13 | | |
| | | 4.45 | | 7.49 | | | | 8.34 | | 13.80 | | | | | | 4.79 | | |
| 102.0 | 13 | 20.04 | 17 | 35.41 | | | 24 | 35.45 | 31 | 46.94 | | | | | 23 | 29.88 | | |
| | | 4.45 | | 7.46 | | | | 8.34 | | 13.75 | | | | | | 4.71 | | |
| 103.0 | 13 | 24.48 | 17 | 42.85 | | | 24 | 43.80 | 32 | 00.66 | | | | | 23 | 34.55 | | |
| | | 4.45 | | 7.42 | | | | 8.34 | | 13.69 | | | | | | 4.63 | | |
| 104.0 | 13 | 28.93 | 17 | 50.25 | | | 24 | 52.14 | 32 | 14.32 | | | | | 23 | 39.14 | | |
| | | 4.45 | | 7.39 | | | | 8.34 | | 13.64 | | | | | | 4.56 | | |
| 105.0 | 13 | 33.38 | 17 | 57.62 | | | 25 | 00.48 | 32 | 27.94 | | | | | 23 | 43.66 | | |
| | | 4.45 | | 7.35 | | | | 8.34 | | 13.59 | | | | | | 4.48 | | |
| 106.0 | 13 | 37.82 | 18 | 04.96 | | | 25 | 08.82 | 32 | 41.50 | | | | | 23 | 48.11 | | |
| | | 4.45 | | 7.32 | | | | 8.34 | | 13.54 | | | | | | 4.41 | | |
| 107.0 | 13 | 42.27 | 18 | 12.26 | | | 25 | 17.16 | 32 | 55.01 | | | | | 23 | 52.48 | | |
| | | 4.45 | | 7.28 | | | | 8.34 | | 13.48 | | | | | | 4.34 | | |
| 108.0 | 13 | 46.71 | 18 | 19.52 | | | 25 | 25.50 | 33 | 08.46 | | | | | 23 | 56.79 | | |
| | | 4.45 | | 7.24 | | | | 8.34 | | 13.43 | | | | | | 4.27 | | |
| 109.0 | 13 | 51.16 | 18 | 26.74 | | | 25 | 33.84 | 33 | 21.87 | | | | | 24 | 01.02 | | |
| | | 4.45 | | 7.21 | | | | 8.34 | | 13.38 | | | | | | 4.20 | | |
| 110.0 | 13 | 55.60 | 18 | 33.93 | | | 25 | 42.18 | 33 | 35.22 | | | | | 24 | 05.19 | | |
| | | 4.45 | | 7.17 | | | | 8.34 | | 13.32 | | | | | | 4.13 | | |
| 111.0 | 14 | 00.05 | 18 | 41.09 | | | 25 | 50.52 | 33 | 48.51 | | | | | 24 | 09.28 | | |
| | | 4.45 | | 7.13 | | | | 8.34 | | 13.27 | | | | | | 4.06 | | |
| 112.0 | 14 | 04.50 | 18 | 48.20 | | | 25 | 58.86 | 34 | 01.75 | | | | | 24 | 13.31 | | |
| | | 4.45 | | 7.10 | | | | 8.34 | | 13.21 | | | | | | 3.99 | | |
| 113.0 | 14 | 08.94 | 18 | 55.28 | | | 26 | 07.20 | 34 | 14.93 | | | | | 24 | 17.27 | | |
| | | 4.45 | | 7.06 | | | | 8.34 | | 13.16 | | | | | | 3.93 | | |
| 114.0 | 14 | 13.39 | 19 | 02.33 | | | 26 | 15.54 | 34 | 28.06 | | | | | 24 | 21.16 | | |
| | | 4.45 | | 7.03 | | | | 8.34 | | 13.10 | | | | | | 3.86 | | |
| 115.0 | 14 | 17.83 | 19 | 09.34 | | | 26 | 23.88 | 34 | 41.13 | | | | | 24 | 24.98 | | |
| | | 4.45 | | 6.99 | | | | 8.34 | | 13.04 | | | | | | 3.79 | | |
| 116.0 | 14 | 22.28 | 19 | 16.31 | | | 26 | 32.22 | 34 | 54.15 | | | | | 24 | 28.74 | | |
| | | 4.45 | | 6.95 | | | | 8.34 | | 12.99 | | | | | | 3.72 | | |
| 117.0 | 14 | 26.72 | 19 | 23.25 | | | 26 | 40.56 | 35 | 07.11 | | | | | 24 | 32.43 | | |
| | | 4.45 | | 6.92 | | | | 8.34 | | 12.94 | | | | | | 3.65 | | |
| 118.0 | 14 | 31.17 | 19 | 30.15 | | | 26 | 48.90 | 35 | 20.02 | | | | | 24 | 36.05 | | |
| | | 4.45 | | 6.88 | | | | 8.34 | | 12.88 | | | | | | 3.59 | | |
| 119.0 | 14 | 35.62 | 19 | 37.01 | | | 26 | 57.25 | 35 | 32.88 | | | | | 24 | 39.60 | | |
| | | 4.45 | | 6.85 | | | | 8.34 | | 12.83 | | | | | | 3.52 | | |
| 120.0 | 14 | 40.06 | 19 | 43.84 | | | 27 | 05.59 | 35 | 45.67 | | | | | 24 | 43.09 | | |
| | | 4.45 | | 6.81 | | | | 8.34 | | 12.77 | | | | | | 3.46 | | |
| 121.0 | 14 | 44.51 | 19 | 50.63 | | | 27 | 13.93 | 35 | 58.42 | | | | | 24 | 46.51 | | |
| | | 4.45 | | 6.77 | | | | 8.34 | | 12.71 | | | | | | 3.39 | | |
| 122.0 | 14 | 48.95 | 19 | 57.38 | | | 27 | 22.27 | 36 | 11.10 | | | | | 24 | 49.87 | | |
| | | 4.45 | | 6.74 | | | | 8.34 | | 12.66 | | | | | | 3.32 | | |
| 123.0 | 14 | 53.40 | 20 | 04.10 | | | 27 | 30.61 | 36 | 23.73 | | | | | 24 | 53.16 | | |
| | | 4.45 | | 6.70 | | | | 8.34 | | 12.60 | | | | | | 3.26 | | |
| 124.0 | 14 | 57.84 | 20 | 10.79 | | | 27 | 38.95 | 36 | 36.31 | | | | | 24 | 56.38 | | |
| | | 4.45 | | 6.67 | | | | 8.34 | | 12.55 | | | | | | 3.19 | | |

Depth : 600.0 km

| Delta | P | PP | PcP | S | SS | ScS | ScP | SKS _{ac} |
|-------------|------------------|-----|-----------------|------------------|-----|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 0.0 | 1 10.07 | | 7 21.62 | 2 07.17 | | 13 28.61 | 9 56.57 | |
| 1.0 | 1 11.14 2.11 | | 7 21.67 0.10 | 2 09.12 3.84 | | 13 28.71 0.19 | 9 56.63 0.13 | |
| 2.0 | 1 14.22 4.01 | | 7 21.83 0.20 | 2 14.74 7.32 | | 13 28.99 0.37 | 9 56.82 0.26 | |
| 3.0 | 1 19.07 5.64 | | 7 22.08 0.30 | 2 23.60 10.29 | | 13 29.45 0.56 | 9 57.15 0.39 | |
| 4.0 | 1 25.37 6.91 | | 7 22.43 0.40 | 2 35.10 12.62 | | 13 30.10 0.74 | 9 57.59 0.51 | |
| 5.0 | 1 32.79 7.88 | | 7 22.88 0.50 | 2 48.65 14.40 | | 13 30.93 0.92 | 9 58.17 0.64 | |
| 6.0 | 1 41.05 8.60 | | 7 23.43 0.60 | 3 03.74 15.71 | | 13 31.95 1.11 | 9 58.88 0.77 | |
| 7.0 | 1 49.92 9.11 | | 7 24.08 0.70 | 3 19.96 16.67 | | 13 33.14 1.29 | 9 59.70 0.89 | |
| 8.0 | 1 59.23 9.48 | | 7 24.83 0.80 | 3 36.98 17.34 | | 13 34.52 1.47 | 10 00.66 1.02 | |
| 9.0 | 2 08.84 9.73 | | 7 25.67 0.89 | 3 54.56 17.80 | | 13 36.08 1.65 | 10 01.74 1.14 | |
| 10.0 | 2 18.66 9.90 | | 7 26.61 0.99 | 4 12.52 18.09 | | 13 37.82 1.83 | 10 02.94 1.26 | |
| 11.0 | 2 28.61 10.00 | | 7 27.65 1.09 | 4 30.71 18.27 | | 13 39.74 2.01 | 10 04.27 1.38 | |
| 12.0 | 2 38.64 10.05 | | 7 28.79 1.18 | 4 49.03 18.36 | | 13 41.83 2.18 | 10 05.71 1.50 | |
| 13.0 | 2 48.71 10.07 | | 7 30.02 1.28 | 5 07.39 18.37 | | 13 44.10 2.35 | 10 07.27 1.62 | |
| 14.0 | 2 58.78 10.06 | | 7 31.34 1.37 | 5 25.01 16.58 | | 13 46.54 2.53 | 10 08.96 1.74 | |
| 15.0 | 3 08.06 9.19 | | 7 32.75 1.46 | 5 41.55 16.49 | | 13 49.15 2.70 | 10 10.75 1.85 | |
| 16.0 | 3 17.24 9.17 | | 7 34.26 1.55 | 5 57.99 16.37 | | 13 51.93 2.86 | 10 12.66 1.97 | |
| 17.0 | 3 26.39 9.14 | | 7 35.85 1.64 | 6 14.30 16.26 | | 13 54.88 3.03 | 10 14.68 2.08 | |
| 18.0 | 3 35.51 9.10 | | 7 37.54 1.73 | 6 30.50 16.14 | | 13 57.99 3.19 | 10 16.82 2.19 | |
| 19.0 | 3 44.59 9.06 | | 7 39.31 1.81 | 6 46.56 15.95 | | 14 01.26 3.35 | 10 19.06 2.29 | |
| 20.0 | 3 53.63 9.02 | | 7 41.17 1.90 | 7 02.40 15.81 | | 14 04.69 3.51 | 10 21.40 2.40 | |
| 21.0 | 4 02.62 8.96 | | 7 43.11 1.98 | 7 18.19 15.78 | | 14 08.28 3.66 | 10 23.85 2.50 | |
| 22.0 | 4 11.54 8.90 | | 7 45.13 2.07 | 7 33.95 15.75 | | 14 12.02 3.82 | 10 26.40 2.60 | |
| 23.0 | 4 20.43 8.87 | | 7 47.24 2.15 | 7 49.69 15.72 | | 14 15.91 3.97 | 10 29.05 2.70 | |
| 24.0 | 4 29.28 8.84 | | 7 49.43 2.23 | 8 05.40 15.69 | | 14 19.95 4.12 | 10 31.80 2.79 | |
| 25.0 | 4 38.10 8.81 | | 7 51.69 2.30 | 8 21.08 15.66 | | 14 24.14 4.26 | 10 34.64 2.89 | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS _{ac} | |
|-------------|---|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-------------------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 25.0 | 4 | 38.10 | | | 7 | 51.69 | 8 | 21.08 | | | 14 | 24.14 | 10 | 34.64 | | |
| | | 8.81 | | | | 2.30 | | 15.66 | | | | 4.26 | | 2.89 | | |
| 26.0 | 4 | 46.89 | | | 7 | 54.04 | 8 | 36.71 | | | 14 | 28.47 | 10 | 37.57 | | |
| | | 8.78 | | | | 2.38 | | 15.61 | | | | 4.40 | | 2.98 | | |
| 27.0 | 4 | 55.65 | | | 7 | 56.46 | 8 | 52.29 | | | 14 | 32.94 | 10 | 40.59 | | |
| | | 8.73 | | | | 2.46 | | 15.55 | | | | 4.54 | | 3.06 | | |
| 28.0 | 5 | 04.36 | | | 7 | 58.95 | 9 | 07.81 | 12 | 13.27 | 14 | 37.55 | 10 | 43.69 | | |
| | | 8.68 | | | | 2.53 | | 15.49 | | 16.72 | | 4.68 | | 3.15 | | |
| 29.0 | 5 | 13.01 | 6 | 52.26 | 8 | 01.51 | 9 | 23.27 | 12 | 30.00 | 14 | 42.30 | 10 | 46.88 | | |
| | | 8.63 | | 9.24 | | 2.60 | | 15.42 | | 16.72 | | 4.81 | | 3.23 | | |
| 30.0 | 5 | 21.61 | 7 | 01.50 | 8 | 04.15 | 9 | 38.65 | 12 | 46.70 | 14 | 47.17 | 10 | 50.15 | | |
| | | 8.57 | | 9.24 | | 2.67 | | 15.34 | | 16.71 | | 4.94 | | 3.31 | | |
| 31.0 | 5 | 30.15 | 7 | 10.73 | 8 | 06.86 | 9 | 53.95 | 13 | 03.40 | 14 | 52.18 | 10 | 53.50 | | |
| | | 8.51 | | 9.23 | | 2.74 | | 15.27 | | 16.69 | | 5.07 | | 3.38 | | |
| 32.0 | 5 | 38.64 | 7 | 20.00 | 8 | 09.63 | 10 | 09.18 | 13 | 20.08 | 14 | 57.30 | 10 | 56.92 | | |
| | | 8.46 | | 9.23 | | 2.81 | | 15.19 | | 16.67 | | 5.19 | | 3.46 | | |
| 33.0 | 5 | 47.06 | 7 | 29.19 | 8 | 12.47 | 10 | 24.33 | 13 | 36.74 | 15 | 02.56 | 11 | 00.41 | | |
| | | 8.40 | | 9.22 | | 2.87 | | 15.11 | | 16.65 | | 5.31 | | 3.53 | | |
| 34.0 | 5 | 55.43 | 7 | 38.41 | 8 | 15.37 | 10 | 39.40 | 13 | 53.38 | 15 | 07.93 | 11 | 03.98 | | |
| | | 8.34 | | 9.22 | | 2.93 | | 15.03 | | 16.62 | | 5.43 | | 3.60 | | |
| 35.0 | 6 | 03.73 | 7 | 47.63 | 8 | 18.34 | 10 | 54.38 | 14 | 10.00 | 15 | 13.42 | 11 | 07.61 | | |
| | | 8.27 | | 9.21 | | 3.00 | | 14.94 | | 16.58 | | 5.55 | | 3.66 | | |
| 36.0 | 6 | 11.98 | 7 | 56.84 | 8 | 21.36 | 11 | 09.28 | 14 | 26.53 | 15 | 19.02 | 11 | 11.30 | | |
| | | 8.21 | | 9.20 | | 3.06 | | 14.85 | | 16.53 | | 5.66 | | 3.73 | | |
| 37.0 | 6 | 20.16 | 8 | 06.03 | 8 | 24.45 | 11 | 24.09 | 14 | 43.04 | 15 | 24.73 | 11 | 15.06 | | |
| | | 8.15 | | 9.19 | | 3.12 | | 14.76 | | 16.48 | | 5.77 | | 3.79 | | |
| 38.0 | 6 | 28.27 | 8 | 15.22 | 8 | 27.59 | 11 | 38.80 | 14 | 59.49 | 15 | 30.56 | 11 | 18.87 | | |
| | | 8.08 | | 9.18 | | 3.17 | | 14.67 | | 16.42 | | 5.87 | | 3.84 | | |
| 39.0 | 6 | 36.33 | 8 | 24.39 | 8 | 30.79 | 11 | 53.42 | 15 | 15.87 | 15 | 36.48 | 11 | 22.74 | | |
| | | 8.02 | | 9.17 | | 3.23 | | 14.58 | | 16.35 | | 5.98 | | 3.90 | | |
| 40.0 | 6 | 44.31 | 8 | 33.55 | 8 | 34.05 | 12 | 07.95 | 15 | 32.19 | 15 | 42.51 | 11 | 26.66 | | |
| | | 7.95 | | 9.15 | | 3.28 | | 14.48 | | 16.29 | | 6.08 | | 3.95 | | |
| 41.0 | 6 | 52.23 | 8 | 42.70 | 8 | 37.35 | 12 | 22.39 | 15 | 48.45 | 15 | 48.64 | 11 | 30.63 | | |
| | | 7.89 | | 9.14 | | 3.33 | | 14.39 | | 16.23 | | 6.18 | | 4.00 | | |
| 42.0 | 7 | 00.09 | 8 | 51.83 | 8 | 40.71 | 12 | 36.73 | 16 | 04.65 | 15 | 54.87 | 11 | 34.65 | | |
| | | 7.82 | | 9.12 | | 3.38 | | 14.29 | | 16.17 | | 6.27 | | 4.04 | | |
| 43.0 | 7 | 07.88 | 9 | 00.94 | 8 | 44.12 | 12 | 50.97 | 16 | 20.78 | 16 | 01.19 | 11 | 38.72 | | |
| | | 7.75 | | 9.10 | | 3.43 | | 14.19 | | 16.09 | | 6.37 | | 4.08 | | |
| 44.0 | 7 | 15.60 | 9 | 10.03 | 8 | 47.58 | 13 | 05.10 | 16 | 36.82 | 16 | 07.60 | 11 | 42.82 | | |
| | | 7.69 | | 9.08 | | 3.48 | | 14.09 | | 15.98 | | 6.45 | | 4.13 | | |
| 45.0 | 7 | 23.25 | 9 | 19.09 | 8 | 51.08 | 13 | 19.14 | 16 | 52.72 | 16 | 14.09 | 11 | 46.97 | | |
| | | 7.62 | | 9.06 | | 3.53 | | 13.99 | | 15.84 | | 6.54 | | 4.16 | | |
| 46.0 | 7 | 30.84 | 9 | 28.14 | 8 | 54.63 | 13 | 33.08 | 17 | 08.54 | 16 | 20.68 | 11 | 51.15 | | |
| | | 7.55 | | 9.04 | | 3.57 | | 13.89 | | 15.81 | | 6.63 | | 4.20 | | |
| 47.0 | 7 | 38.35 | 9 | 37.17 | 8 | 58.22 | 13 | 46.91 | 17 | 24.34 | 16 | 27.35 | 11 | 55.36 | | |
| | | 7.48 | | 9.01 | | 3.61 | | 13.78 | | 15.79 | | 6.71 | | 4.23 | | |
| 48.0 | 7 | 45.80 | 9 | 46.16 | 9 | 01.86 | 14 | 00.64 | 17 | 40.12 | 16 | 34.09 | 11 | 59.61 | | |
| | | 7.42 | | 8.98 | | 3.66 | | 13.68 | | 15.78 | | 6.79 | | 4.26 | | |
| 49.0 | 7 | 53.19 | 9 | 55.12 | 9 | 05.54 | 14 | 14.27 | 17 | 55.89 | 16 | 40.92 | 12 | 03.88 | | |
| | | 7.35 | | 8.94 | | 3.70 | | 13.58 | | 15.76 | | 6.86 | | 4.29 | | |
| 50.0 | 8 | 00.51 | 10 | 04.05 | 9 | 09.25 | 14 | 27.80 | 18 | 11.65 | 16 | 47.82 | 12 | 08.18 | | |
| | | 7.28 | | 8.91 | | 3.74 | | 13.48 | | 15.75 | | 6.94 | | 4.31 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|-------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 50.0 | 8 | 00.51 | 10 | 04.05 | 9 | 09.25 | 14 | 27.80 | 18 | 11.65 | 16 | 47.82 | 12 | 08.18 | | | | |
| | | 7.28 | | 8.91 | | 3.74 | | 13.48 | | 15.75 | | 6.94 | | 4.31 | | | | |
| 51.0 | 8 | 07.76 | 10 | 12.95 | 9 | 13.01 | 14 | 41.23 | 18 | 27.39 | 16 | 54.79 | 12 | 12.50 | | | | |
| | | 7.21 | | 8.89 | | 3.77 | | 13.38 | | 15.74 | | 7.01 | | 4.33 | | | | |
| 52.0 | 8 | 14.93 | 10 | 21.83 | 9 | 16.80 | 14 | 54.55 | 18 | 43.12 | 17 | 01.83 | 12 | 16.85 | | | | |
| | | 7.14 | | 8.87 | | 3.81 | | 13.27 | | 15.72 | | 7.08 | | 4.35 | | | | |
| 53.0 | 8 | 22.05 | 10 | 30.70 | 9 | 20.63 | 15 | 07.77 | 18 | 58.84 | 17 | 08.94 | 12 | 21.21 | | | | |
| | | 7.08 | | 8.86 | | 3.84 | | 13.17 | | 15.71 | | 7.14 | | 4.37 | | | | |
| 54.0 | 8 | 29.09 | 10 | 39.55 | 9 | 24.49 | 15 | 20.89 | 19 | 14.54 | 17 | 16.12 | 12 | 25.59 | | | | |
| | | 7.01 | | 8.84 | | 3.88 | | 13.06 | | 15.69 | | 7.21 | | 4.39 | | | | |
| 55.0 | 8 | 36.06 | 10 | 48.39 | 9 | 28.38 | 15 | 33.90 | 19 | 30.22 | 17 | 23.36 | 12 | 30.00 | | | | |
| | | 6.94 | | 8.83 | | 3.91 | | 12.96 | | 15.68 | | 7.27 | | 4.40 | | | | |
| 56.0 | 8 | 42.97 | 10 | 57.21 | 9 | 32.31 | 15 | 46.80 | 19 | 45.89 | 17 | 30.66 | 12 | 34.40 | | | | |
| | | 6.87 | | 8.81 | | 3.94 | | 12.85 | | 15.66 | | 7.33 | | 4.41 | | | | |
| 57.0 | 8 | 49.81 | 11 | 06.02 | 9 | 36.26 | 15 | 59.60 | 20 | 01.54 | 17 | 38.02 | 12 | 38.81 | | | | |
| | | 6.80 | | 8.80 | | 3.97 | | 12.75 | | 15.63 | | 7.39 | | 4.42 | | | | |
| 58.0 | 8 | 56.57 | 11 | 14.81 | 9 | 40.25 | 16 | 12.30 | 20 | 17.16 | 17 | 45.43 | 12 | 43.24 | | | | |
| | | 6.73 | | 8.78 | | 4.00 | | 12.64 | | 15.61 | | 7.44 | | 4.43 | | | | |
| 59.0 | 9 | 03.27 | 11 | 23.58 | 9 | 44.26 | 16 | 24.88 | 20 | 32.75 | 17 | 52.90 | 12 | 47.68 | | | | |
| | | 6.67 | | 8.76 | | 4.03 | | 12.53 | | 15.58 | | 7.50 | | 4.44 | | | | |
| 60.0 | 9 | 09.91 | 11 | 32.33 | 9 | 48.30 | 16 | 37.36 | 20 | 48.32 | 18 | 00.42 | 12 | 52.12 | | | | |
| | | 6.60 | | 8.74 | | 4.05 | | 12.42 | | 15.55 | | 7.55 | | 4.44 | | | | |
| 61.0 | 9 | 16.47 | 11 | 41.05 | 9 | 52.37 | 16 | 49.73 | 21 | 03.85 | 18 | 08.00 | 12 | 56.56 | 18 | 08.00 | | |
| | | 6.53 | | 8.71 | | 4.08 | | 12.32 | | 15.52 | | 7.60 | | 4.44 | | | 7.59 | |
| 62.0 | 9 | 22.97 | 11 | 49.75 | 9 | 56.46 | 17 | 01.99 | 21 | 19.35 | 18 | 15.62 | 13 | 01.00 | 18 | 15.59 | | |
| | | 6.46 | | 8.68 | | 4.10 | | 12.21 | | 15.48 | | 7.64 | | 4.45 | | | 7.59 | |
| 63.0 | 9 | 29.40 | 11 | 58.42 | 10 | 00.57 | 17 | 14.15 | 21 | 34.81 | 18 | 23.28 | | | 18 | 23.18 | | |
| | | 6.39 | | 8.66 | | 4.13 | | 12.10 | | 15.44 | | 7.69 | | | | 7.59 | | |
| 64.0 | 9 | 35.76 | 12 | 07.07 | 10 | 04.71 | 17 | 26.19 | 21 | 50.24 | 18 | 30.99 | | | 18 | 30.76 | | |
| | | 6.33 | | 8.63 | | 4.15 | | 11.99 | | 15.41 | | 7.73 | | | | 7.59 | | |
| 65.0 | 9 | 42.05 | 12 | 15.68 | 10 | 08.87 | 17 | 38.13 | 22 | 05.62 | 18 | 38.75 | | | 18 | 38.35 | | |
| | | 6.26 | | 8.60 | | 4.17 | | 11.88 | | 15.37 | | 7.77 | | | | 7.58 | | |
| 66.0 | 9 | 48.27 | 12 | 24.26 | 10 | 13.05 | 17 | 50.00 | 22 | 20.97 | 18 | 46.54 | | | 18 | 45.93 | | |
| | | 6.19 | | 8.57 | | 4.19 | | 11.77 | | 15.33 | | 7.81 | | | | 7.58 | | |
| 67.0 | 9 | 54.42 | 12 | 32.82 | 10 | 17.25 | 18 | 01.68 | 22 | 36.29 | 18 | 54.37 | | | 18 | 53.50 | | |
| | | 6.12 | | 8.54 | | 4.21 | | 11.67 | | 15.29 | | 7.85 | | | | 7.57 | | |
| 68.0 | 10 | 00.51 | 12 | 41.34 | 10 | 21.47 | 18 | 13.29 | 22 | 51.56 | 19 | 02.24 | | | 19 | 01.06 | | |
| | | 6.05 | | 8.51 | | 4.23 | | 11.55 | | 15.25 | | 7.89 | | | | 7.56 | | |
| 69.0 | 10 | 06.52 | 12 | 49.84 | 10 | 25.70 | 18 | 24.79 | 23 | 06.79 | 19 | 10.14 | | | 19 | 08.62 | | |
| | | 5.98 | | 8.48 | | 4.24 | | 11.44 | | 15.21 | | 7.92 | | | | 7.55 | | |
| 70.0 | 10 | 12.47 | 12 | 58.30 | 10 | 29.95 | 18 | 36.18 | 23 | 21.99 | 19 | 18.08 | | | 19 | 16.16 | | |
| | | 5.91 | | 8.45 | | 4.26 | | 11.33 | | 15.17 | | 7.95 | | | | 7.54 | | |
| 71.0 | 10 | 18.35 | 13 | 06.74 | 10 | 34.22 | 18 | 47.45 | 23 | 37.14 | 19 | 26.05 | | | 19 | 23.69 | | |
| | | 5.84 | | 8.42 | | 4.28 | | 11.21 | | 15.13 | | 7.98 | | | | 7.52 | | |
| 72.0 | 10 | 24.15 | 13 | 15.14 | 10 | 38.51 | 18 | 58.61 | 23 | 52.25 | 19 | 34.05 | | | 19 | 31.20 | | |
| | | 5.77 | | 8.39 | | 4.29 | | 11.10 | | 15.09 | | 8.01 | | | | 7.51 | | |
| 73.0 | 10 | 29.89 | 13 | 23.51 | 10 | 42.80 | 19 | 09.65 | 24 | 07.31 | 19 | 42.08 | | | 19 | 38.70 | | |
| | | 5.70 | | 8.36 | | 4.30 | | 10.99 | | 15.04 | | 8.04 | | | | 7.49 | | |
| 74.0 | 10 | 35.55 | 13 | 31.85 | 10 | 47.11 | 19 | 20.59 | 24 | 22.34 | 19 | 50.13 | | | 19 | 46.17 | | |
| | | 5.63 | | 8.32 | | 4.32 | | 10.88 | | 15.00 | | 8.07 | | | | 7.43 | | |
| 75.0 | 10 | 41.15 | 13 | 40.16 | 10 | 51.44 | 19 | 31.40 | 24 | 37.32 | 19 | 58.21 | | | 19 | 53.54 | | |
| | | 5.56 | | 8.29 | | 4.33 | | 10.76 | | 14.96 | | 8.09 | | | | 7.31 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKS | |
|--------------|----|-------|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|---|-----|-------|-----|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 75.0 | 10 | 41.15 | 13 | 40.16 | 10 | 51.44 | 19 | 31.40 | 24 | 37.32 | 19 | 58.21 | | | 19 | 53.54 | | |
| | | 5.56 | | 8.29 | | 4.33 | | 10.76 | | 14.96 | | 8.09 | | | | 7.31 | | |
| 76.0 | 10 | 46.67 | 13 | 48.43 | 10 | 55.77 | 19 | 42.11 | 24 | 52.25 | 20 | 06.32 | | | 20 | 00.80 | | |
| | | 5.49 | | 8.26 | | 4.34 | | 10.65 | | 14.91 | | 8.12 | | | | 7.21 | | |
| 77.0 | 10 | 52.13 | 13 | 56.68 | 11 | 00.12 | 19 | 52.70 | 25 | 07.14 | 20 | 14.45 | | | 20 | 07.96 | | |
| | | 5.42 | | 8.23 | | 4.35 | | 10.53 | | 14.87 | | 8.14 | | | | 7.11 | | |
| 78.0 | 10 | 57.52 | 14 | 04.88 | 11 | 04.48 | 20 | 03.17 | 25 | 21.98 | 20 | 22.60 | | | 20 | 15.01 | | |
| | | 5.35 | | 8.19 | | 4.36 | | 10.42 | | 14.82 | | 8.16 | | | | 6.99 | | |
| 79.0 | 11 | 02.83 | 14 | 13.06 | 11 | 08.84 | 20 | 13.53 | 25 | 36.77 | 20 | 30.77 | | | 20 | 21.94 | | |
| | | 5.28 | | 8.16 | | 4.37 | | 10.30 | | 14.77 | | 8.18 | | | | 6.87 | | |
| 80.0 | 11 | 08.07 | 14 | 21.20 | 11 | 13.22 | 20 | 23.77 | 25 | 51.52 | 20 | 38.96 | | | 20 | 28.76 | | |
| | | 5.20 | | 8.13 | | 4.38 | | 10.18 | | 14.73 | | 8.20 | | | | 6.76 | | |
| 81.0 | 11 | 13.24 | 14 | 29.31 | 11 | 17.60 | 20 | 33.88 | 26 | 06.23 | 20 | 47.16 | | | 20 | 35.46 | | |
| | | 5.13 | | 8.09 | | 4.39 | | 10.06 | | 14.68 | | 8.21 | | | | 6.64 | | |
| 82.0 | 11 | 18.33 | 14 | 37.39 | 11 | 21.99 | 20 | 43.88 | 26 | 20.88 | 20 | 55.39 | | | 20 | 42.03 | | |
| | | 5.05 | | 8.06 | | 4.40 | | 9.94 | | 14.63 | | 8.23 | | | | 6.52 | | |
| 83.0 | 11 | 23.34 | 14 | 45.43 | 11 | 26.39 | 20 | 53.76 | 26 | 35.49 | 21 | 03.62 | | | 20 | 48.49 | | |
| | | 4.98 | | 8.03 | | 4.40 | | 9.82 | | 14.58 | | 8.25 | | | | 6.40 | | |
| 84.0 | 11 | 28.29 | 14 | 53.44 | 11 | 30.80 | 21 | 03.52 | 26 | 50.04 | 21 | 11.88 | | | 20 | 54.84 | | |
| | | 4.91 | | 7.99 | | 4.41 | | 9.69 | | 14.53 | | 8.26 | | | | 6.29 | | |
| 85.0 | 11 | 33.16 | 15 | 01.42 | 11 | 35.21 | 21 | 13.15 | 27 | 04.55 | 21 | 20.14 | | | 21 | 01.07 | | |
| | | 4.82 | | 7.96 | | 4.41 | | 9.57 | | 14.49 | | 8.27 | | | | 6.18 | | |
| 86.0 | 11 | 37.92 | 15 | 09.36 | 11 | 39.63 | 21 | 22.65 | 27 | 19.01 | 21 | 28.42 | | | 21 | 07.19 | | |
| | | 4.72 | | 7.92 | | 4.42 | | 9.44 | | 14.44 | | 8.28 | | | | 6.07 | | |
| 87.0 | 11 | 42.63 | 15 | 17.26 | 11 | 44.05 | 21 | 32.03 | 27 | 33.43 | 21 | 36.70 | | | 21 | 13.21 | | |
| | | 4.69 | | 7.89 | | 4.42 | | 9.31 | | 14.39 | | 8.29 | | | | 5.97 | | |
| 88.0 | 11 | 47.30 | 15 | 25.13 | 11 | 48.48 | 21 | 41.28 | 27 | 47.79 | 21 | 45.00 | | | 21 | 19.12 | | |
| | | 4.66 | | 7.85 | | 4.43 | | 9.18 | | 14.34 | | 8.30 | | | | 5.87 | | |
| 89.0 | 11 | 51.95 | 15 | 32.97 | 11 | 52.91 | 21 | 50.40 | 28 | 02.10 | 21 | 53.30 | | | 21 | 24.94 | | |
| | | 4.64 | | 7.82 | | 4.43 | | 9.06 | | 14.29 | | 8.31 | | | | 5.77 | | |
| 90.0 | 11 | 56.58 | 15 | 40.77 | 11 | 57.34 | 21 | 59.39 | 28 | 16.36 | 22 | 01.62 | | | 21 | 30.66 | | |
| | | 4.62 | | 7.78 | | 4.44 | | 8.93 | | 14.23 | | 8.32 | | | | 5.67 | | |
| 91.0 | 12 | 01.19 | 15 | 48.53 | 12 | 01.78 | 22 | 08.25 | 28 | 30.57 | 22 | 09.94 | | | 21 | 36.29 | | |
| | | 4.61 | | 7.75 | | 4.44 | | 8.80 | | 14.18 | | 8.32 | | | | 5.58 | | |
| 92.0 | 12 | 05.79 | 15 | 56.27 | 12 | 06.22 | 22 | 17.01 | 28 | 44.72 | 22 | 18.26 | | | 21 | 41.82 | | |
| | | 4.59 | | 7.71 | | 4.44 | | 8.73 | | 14.13 | | 8.33 | | | | 5.49 | | |
| 93.0 | 12 | 10.37 | 16 | 03.96 | 12 | 10.66 | 22 | 25.71 | 28 | 58.83 | 22 | 26.59 | | | 21 | 47.27 | | |
| | | 4.57 | | 7.68 | | 4.44 | | 8.68 | | 14.08 | | 8.33 | | | | 5.40 | | |
| 94.0 | 12 | 14.93 | 16 | 11.63 | 12 | 15.10 | 22 | 34.37 | 29 | 12.88 | 22 | 34.92 | | | 21 | 52.62 | | |
| | | 4.54 | | 7.64 | | 4.44 | | 8.63 | | 14.03 | | 8.34 | | | | 5.31 | | |
| 95.0 | 12 | 19.46 | 16 | 19.25 | 12 | 19.54 | 22 | 42.96 | 29 | 26.88 | 22 | 43.26 | | | 21 | 57.89 | | |
| | | 4.52 | | 7.61 | | 4.44 | | 8.55 | | 13.97 | | 8.34 | | | | 5.22 | | |
| 96.0 | 12 | 23.96 | 16 | 26.84 | 12 | 23.99 | 22 | 51.48 | 29 | 40.82 | 22 | 51.60 | | | 22 | 03.07 | | |
| | | 4.49 | | 7.57 | | 4.45 | | 8.48 | | 13.92 | | 8.34 | | | | 5.14 | | |
| 97.0 | 12 | 28.43 | 16 | 34.40 | 12 | 28.43 | 22 | 59.92 | 29 | 54.72 | 22 | 59.94 | | | 22 | 08.16 | | |
| | | 4.46 | | 7.54 | | 4.45 | | 8.40 | | 13.87 | | 8.34 | | | | 5.05 | | |
| 98.0 | 12 | 32.88 | 16 | 41.92 | | | 23 | 08.28 | 30 | 08.56 | | | | | 22 | 13.18 | | |
| | | 4.45 | | 7.50 | | | | 8.34 | | 13.81 | | | | | | 4.97 | | |
| 99.0 | 12 | 37.33 | 16 | 49.41 | | | 23 | 16.62 | 30 | 22.35 | | | | | 22 | 18.11 | | |
| | | 4.45 | | 7.47 | | | | 8.34 | | 13.76 | | | | | | 4.89 | | |
| 100.0 | 12 | 41.77 | 16 | 56.86 | | | 23 | 24.96 | 30 | 36.08 | | | | | 22 | 22.96 | | |
| | | 4.45 | | 7.43 | | | | 8.34 | | 13.71 | | | | | | 4.81 | | |

| Delta | P | | PP | | PcP | | S | | SS | | ScS | | ScP | | SKS | | SKSac | |
|--------------|----|-------|----|-------|-----|---|----|-------|----|-------|-----|---|-----|---|-----|-------|-------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 100.0 | 12 | 41.77 | 16 | 56.86 | | | 23 | 24.96 | 30 | 36.08 | | | | | 22 | 22.96 | | |
| | | 4.45 | | 7.43 | | | | 8.34 | | 13.71 | | | | | | 4.81 | | |
| 101.0 | 12 | 46.22 | 17 | 04.28 | | | 23 | 33.30 | 30 | 49.76 | | | | | 22 | 27.74 | | |
| | | 4.45 | | 7.40 | | | | 8.34 | | 13.66 | | | | | | 4.74 | | |
| 102.0 | 12 | 50.66 | 17 | 11.66 | | | 23 | 41.64 | 31 | 03.39 | | | | | 22 | 32.44 | | |
| | | 4.45 | | 7.37 | | | | 8.34 | | 13.60 | | | | | | 4.66 | | |
| 103.0 | 12 | 55.11 | 17 | 19.01 | | | 23 | 50.00 | 31 | 16.97 | | | | | 22 | 37.05 | | |
| | | 4.45 | | 7.33 | | | | 8.34 | | 13.55 | | | | | | 4.58 | | |
| 104.0 | 12 | 59.55 | 17 | 26.32 | | | 23 | 58.32 | 31 | 30.50 | | | | | 22 | 41.60 | | |
| | | 4.45 | | 7.30 | | | | 8.34 | | 13.50 | | | | | | 4.51 | | |
| 105.0 | 13 | 04.00 | 17 | 33.60 | | | 24 | 06.66 | 31 | 43.98 | | | | | 22 | 46.07 | | |
| | | 4.45 | | 7.26 | | | | 8.34 | | 13.45 | | | | | | 4.43 | | |
| 106.0 | 13 | 08.45 | 17 | 40.84 | | | 24 | 15.00 | 31 | 57.40 | | | | | 22 | 50.47 | | |
| | | 4.45 | | 7.22 | | | | 8.34 | | 13.40 | | | | | | 4.36 | | |
| 107.0 | 13 | 12.89 | 17 | 48.05 | | | 24 | 23.35 | 32 | 10.78 | | | | | 22 | 54.80 | | |
| | | 4.45 | | 7.19 | | | | 8.34 | | 13.35 | | | | | | 4.30 | | |
| 108.0 | 13 | 17.34 | 17 | 55.22 | | | 24 | 31.69 | 32 | 24.09 | | | | | 22 | 59.06 | | |
| | | 4.45 | | 7.15 | | | | 8.34 | | 13.29 | | | | | | 4.23 | | |
| 109.0 | 13 | 21.78 | 18 | 02.35 | | | 24 | 40.03 | 32 | 37.36 | | | | | 23 | 03.25 | | |
| | | 4.45 | | 7.12 | | | | 8.34 | | 13.24 | | | | | | 4.16 | | |
| 110.0 | 13 | 26.23 | 18 | 09.45 | | | 24 | 48.37 | 32 | 50.57 | | | | | 23 | 07.37 | | |
| | | 4.45 | | 7.08 | | | | 8.34 | | 13.18 | | | | | | 4.09 | | |
| 111.0 | 13 | 30.67 | 18 | 16.51 | | | 24 | 56.71 | 33 | 03.72 | | | | | 23 | 11.43 | | |
| | | 4.45 | | 7.05 | | | | 8.34 | | 13.13 | | | | | | 4.02 | | |
| 112.0 | 13 | 35.12 | 18 | 23.54 | | | 25 | 05.05 | 33 | 16.83 | | | | | 23 | 15.42 | | |
| | | 4.45 | | 7.01 | | | | 8.34 | | 13.07 | | | | | | 3.95 | | |
| 113.0 | 13 | 39.57 | 18 | 30.54 | | | 25 | 13.39 | 33 | 29.87 | | | | | 23 | 19.34 | | |
| | | 4.45 | | 6.98 | | | | 8.34 | | 13.02 | | | | | | 3.89 | | |
| 114.0 | 13 | 44.01 | 18 | 37.50 | | | 25 | 21.73 | 33 | 42.86 | | | | | 23 | 23.19 | | |
| | | 4.45 | | 6.94 | | | | 8.34 | | 12.97 | | | | | | 3.82 | | |
| 115.0 | 13 | 48.46 | 18 | 44.42 | | | 25 | 30.07 | 33 | 55.80 | | | | | 23 | 26.98 | | |
| | | 4.45 | | 6.91 | | | | 8.34 | | 12.91 | | | | | | 3.75 | | |
| 116.0 | 13 | 52.90 | 18 | 51.31 | | | 25 | 38.41 | 34 | 08.69 | | | | | 23 | 30.69 | | |
| | | 4.45 | | 6.87 | | | | 8.34 | | 12.86 | | | | | | 3.68 | | |
| 117.0 | 13 | 57.35 | 18 | 58.16 | | | 25 | 46.75 | 34 | 21.52 | | | | | 23 | 34.35 | | |
| | | 4.45 | | 6.83 | | | | 8.34 | | 12.80 | | | | | | 3.62 | | |
| 118.0 | 14 | 01.79 | 19 | 04.98 | | | 25 | 55.09 | 34 | 34.30 | | | | | 23 | 37.93 | | |
| | | 4.45 | | 6.80 | | | | 8.34 | | 12.75 | | | | | | 3.55 | | |
| 119.0 | 14 | 06.24 | 19 | 11.76 | | | 26 | 03.43 | 34 | 47.02 | | | | | 23 | 41.45 | | |
| | | 4.45 | | 6.76 | | | | 8.34 | | 12.70 | | | | | | 3.49 | | |
| 120.0 | 14 | 10.68 | 19 | 18.51 | | | 26 | 11.77 | 34 | 59.69 | | | | | 23 | 44.91 | | |
| | | 4.45 | | 6.73 | | | | 8.34 | | 12.64 | | | | | | 3.42 | | |
| 121.0 | 14 | 15.13 | 19 | 25.22 | | | 26 | 20.11 | 35 | 12.30 | | | | | 23 | 48.29 | | |
| | | 4.45 | | 6.69 | | | | 8.34 | | 12.58 | | | | | | 3.36 | | |
| 122.0 | 14 | 19.58 | 19 | 31.89 | | | 26 | 28.45 | 35 | 24.86 | | | | | 23 | 51.62 | | |
| | | 4.45 | | 6.66 | | | | 8.34 | | 12.53 | | | | | | 3.29 | | |
| 123.0 | 14 | 24.02 | 19 | 38.53 | | | 26 | 36.80 | 35 | 37.36 | | | | | 23 | 54.88 | | |
| | | 4.45 | | 6.62 | | | | 8.34 | | 12.47 | | | | | | 3.22 | | |
| 124.0 | 14 | 28.47 | 19 | 45.14 | | | 26 | 45.14 | 35 | 49.81 | | | | | 23 | 58.07 | | |
| | | 4.45 | | 6.59 | | | | 8.34 | | 12.42 | | | | | | 3.16 | | |

Depth : 0.0 km

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|-------|-------|------------------|------------------|------------------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 110.0 | | | | 19 06.17 7.23 | 25 12.34 4.16 | 25 46.67 1.92 | | 34 32.34 13.42 |
| 111.0 | | | | 19 13.38 7.20 | 25 16.47 4.09 | 25 48.59 1.92 | 22 11.90 1.92 | 34 45.74 13.37 |
| 112.0 | | | | 19 20.56 7.16 | 25 20.53 4.02 | 25 50.51 1.92 | 22 13.83 1.92 | 34 59.08 13.31 |
| 113.0 | | | | 19 27.70 7.12 | 25 24.52 3.96 | 25 52.43 1.92 | 22 15.75 1.92 | 35 12.36 13.26 |
| 114.0 | | | | 19 34.81 7.09 | 25 28.44 3.89 | 25 54.35 1.92 | 22 17.68 1.92 | 35 25.59 13.20 |
| 115.0 | | | | 19 41.88 7.05 | 25 32.30 3.82 | 25 56.26 1.91 | 22 19.60 1.92 | 35 38.76 13.14 |
| 116.0 | | | 18 44.84 1.92 | 19 48.91 7.02 | 25 36.08 3.75 | 25 58.18 1.91 | 22 21.52 1.92 | 35 51.87 13.09 |
| 117.0 | | | 18 46.76 1.92 | 19 55.91 6.98 | 25 39.80 3.68 | 26 00.09 1.91 | 22 23.44 1.92 | 36 04.93 13.03 |
| 118.0 | | | 18 48.68 1.92 | 20 02.87 6.94 | 25 43.44 3.61 | 26 01.99 1.91 | 22 25.36 1.92 | 36 17.93 12.98 |
| 119.0 | | | 18 50.61 1.92 | 20 09.79 6.91 | 25 47.02 3.55 | 26 03.90 1.90 | 22 27.28 1.92 | 36 30.88 12.92 |
| 120.0 | | | 18 52.53 1.92 | 20 16.68 6.87 | 25 50.54 3.48 | 26 05.80 1.90 | 22 29.19 1.91 | 36 43.77 12.87 |
| 121.0 | | | 18 54.45 1.92 | 20 23.53 6.83 | 25 53.99 3.42 | 26 07.70 1.89 | 22 31.11 1.91 | 36 56.61 12.81 |
| 122.0 | | | 18 56.37 1.92 | 20 30.35 6.80 | 25 57.37 3.35 | 26 09.59 1.89 | 22 33.02 1.91 | 37 09.39 12.75 |
| 123.0 | | | 18 58.29 1.92 | 20 37.12 6.76 | 26 00.68 3.28 | 26 11.47 1.88 | 22 34.93 1.91 | 37 22.12 12.70 |
| 124.0 | | | 19 00.21 1.92 | 20 43.86 6.72 | 26 03.93 3.21 | 26 13.35 1.88 | 22 36.83 1.90 | 37 34.79 12.64 |
| 125.0 | | | 19 02.13 1.91 | 20 50.57 6.69 | 26 07.11 3.15 | 26 15.23 1.87 | 22 38.73 1.90 | 37 47.40 12.58 |
| 126.0 | | | 19 04.04 1.91 | 20 57.24 6.65 | 26 10.23 3.08 | 26 17.09 1.86 | 22 40.63 1.89 | 37 59.95 12.53 |
| 127.0 | | | 19 05.95 1.91 | 21 03.87 6.61 | 26 13.28 3.02 | 26 18.95 1.85 | 22 42.52 1.89 | 38 12.45 12.47 |
| 128.0 | | | 19 07.86 1.91 | 21 10.46 6.58 | 26 16.26 2.95 | 26 20.80 1.84 | 22 44.41 1.88 | 38 24.89 12.41 |
| 129.0 | | | 19 09.76 1.90 | 21 17.03 6.54 | 26 19.18 2.89 | 26 22.64 1.83 | 22 46.29 1.88 | 38 37.28 12.36 |
| 130.0 | | | 19 11.67 1.90 | 21 23.55 6.51 | 26 22.03 2.82 | 26 24.47 1.82 | 22 48.16 1.87 | 38 49.61 12.30 |
| 131.0 | | | 19 13.56 1.89 | 21 30.04 6.47 | 26 24.82 2.75 | 26 26.28 1.81 | 22 39.12 3.72 | 39 01.88 12.24 |
| 132.0 | | | 19 15.45 1.89 | 21 36.49 6.44 | 26 27.54 2.69 | 26 28.09 1.80 | 22 42.75 3.55 | 39 14.09 12.19 |
| 133.0 | | | 19 17.34 1.88 | 21 42.91 6.40 | 26 30.19 2.62 | 26 29.87 1.78 | 22 46.23 3.42 | 39 26.25 12.13 |
| 134.0 | | | 19 19.22 1.88 | 21 49.29 6.36 | 26 32.78 2.56 | 26 31.65 1.76 | 22 49.58 3.29 | 39 38.35 12.07 |
| 135.0 | | | 19 21.09 1.87 | 21 55.63 6.33 | 26 35.31 2.50 | 26 33.40 1.75 | 22 52.82 3.18 | 39 50.40 12.02 |

| Delta | PKPab | | PKPbc | | PKPdf | | PP | | SKSac | | SKSdf | | SKP | | SS | |
|--------------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 135.0 | | | | | 19 21.09 | | 21 55.63 | | 26 35.31 | | 26 33.40 | | 22 52.82 | | 39 50.40 | |
| | | | | | 1.87 | | 6.33 | | 2.50 | | 1.75 | | 3.18 | | 12.02 | |
| 136.0 | | | | | 19 22.96 | | 22 01.94 | | 26 37.77 | | 26 35.14 | | 22 55.94 | | 40 02.39 | |
| | | | | | 1.86 | | 6.29 | | 2.44 | | 1.73 | | 3.07 | | 11.96 | |
| 137.0 | | | | | 19 24.81 | | 22 08.21 | | 26 40.19 | | 26 36.86 | | 22 58.96 | | 40 14.32 | |
| | | | | | 1.85 | | 6.25 | | 2.39 | | 1.71 | | 2.97 | | 11.90 | |
| 138.0 | | | | | 19 26.66 | | 22 14.45 | | 26 42.55 | | 26 38.55 | | 23 01.89 | | 40 26.19 | |
| | | | | | 1.84 | | 6.22 | | 2.34 | | 1.68 | | 2.87 | | 11.84 | |
| 139.0 | | | | | 19 28.49 | | 22 20.65 | | 26 44.86 | | 26 40.23 | | 23 04.55 | | 40 38.01 | |
| | | | | | 1.83 | | 6.18 | | 2.29 | | 1.66 | | 1.76 | | 11.79 | |
| 140.0 | | | | | 19 30.31 | | 22 26.81 | | 26 47.13 | | 26 41.87 | | 23 06.30 | | 40 49.76 | |
| | | | | | 1.82 | | 6.14 | | 2.24 | | 1.64 | | 1.74 | | 11.73 | |
| 141.0 | | | | | 19 32.12 | | 22 32.94 | | 26 49.35 | | 26 43.49 | | 23 08.02 | | 41 01.46 | |
| | | | | | 1.80 | | 6.11 | | 2.20 | | 1.61 | | 1.72 | | 11.67 | |
| 142.0 | | | | | 19 33.92 | | 22 39.03 | | 26 51.53 | | 26 45.09 | | 23 09.73 | | 41 13.11 | |
| | | | | | 1.79 | | 6.07 | | 2.16 | | 1.58 | | 1.69 | | 11.61 | |
| 143.0 | | | | | 19 35.69 | | 22 45.08 | | 26 53.68 | | 26 46.65 | | 23 11.41 | | 41 24.69 | |
| | | | | | 1.77 | | 6.04 | | 2.12 | | 1.54 | | 1.67 | | 11.56 | |
| 144.0 | | | | | 19 37.45 | | 22 51.10 | | 26 55.78 | | 26 48.17 | | 23 13.06 | | 41 36.22 | |
| | | | | | 1.75 | | 6.00 | | 2.08 | | 1.51 | | 1.64 | | 11.50 | |
| 145.0 | 19 38.47 | | 19 38.47 | | 19 39.19 | | 22 57.08 | | | | 26 49.67 | | 23 14.69 | | 41 47.69 | |
| | 3.52 | | 3.43 | | 1.73 | | 5.96 | | | | 1.48 | | 1.61 | | 11.44 | |
| 146.0 | 19 42.17 | | 19 41.65 | | 19 40.90 | | 23 03.03 | | | | 26 51.13 | | 23 16.28 | | 41 59.10 | |
| | 3.80 | | 3.04 | | 1.70 | | 5.93 | | | | 1.44 | | 1.58 | | 11.38 | |
| 147.0 | 19 46.03 | | 19 44.59 | | 19 42.59 | | 23 08.93 | | | | 26 52.56 | | 23 17.84 | | 42 10.45 | |
| | 3.91 | | 2.84 | | 1.68 | | 5.89 | | | | 1.41 | | 1.54 | | 11.32 | |
| 148.0 | 19 50.00 | | 19 47.33 | | 19 44.25 | | 23 14.80 | | | | 26 53.95 | | 23 19.36 | | 42 21.74 | |
| | 3.99 | | 2.67 | | 1.65 | | 5.85 | | | | 1.37 | | 1.50 | | 11.26 | |
| 149.0 | 19 54.01 | | 19 49.93 | | 19 45.88 | | 23 20.64 | | | | 26 55.31 | | 23 20.85 | | 42 32.96 | |
| | 4.06 | | 2.53 | | 1.61 | | 5.81 | | | | 1.34 | | 1.47 | | 11.20 | |
| 150.0 | 19 58.09 | | 19 52.40 | | 19 47.48 | | 23 26.43 | | | | 26 56.62 | | 23 22.30 | | 42 44.13 | |
| | 4.11 | | 2.42 | | 1.58 | | 5.78 | | | | 1.30 | | 1.43 | | 11.14 | |
| 151.0 | 20 02.22 | | 19 54.78 | | 19 49.04 | | 23 32.19 | | | | 26 57.91 | | 23 23.71 | | 42 55.24 | |
| | 4.15 | | 2.34 | | 1.54 | | 5.74 | | | | 1.26 | | 1.39 | | 11.08 | |
| 152.0 | 20 06.39 | | 19 57.08 | | 19 50.55 | | 23 37.91 | | | | 26 59.15 | | 23 25.08 | | 43 06.30 | |
| | 4.18 | | 2.27 | | 1.50 | | 5.70 | | | | 1.22 | | 1.35 | | 11.02 | |
| 153.0 | 20 10.59 | | 19 59.32 | | 19 52.03 | | 23 43.60 | | | | 27 00.35 | | 23 26.42 | | 43 17.29 | |
| | 4.22 | | 2.20 | | 1.46 | | 5.67 | | | | 1.18 | | 1.31 | | 10.96 | |
| 154.0 | 20 14.82 | | 20 01.49 | | 19 53.47 | | 23 49.24 | | | | 27 01.51 | | 23 27.71 | | 43 28.22 | |
| | 4.24 | | 2.15 | | 1.41 | | 5.63 | | | | 1.14 | | 1.27 | | 10.90 | |
| 155.0 | 20 19.08 | | 20 03.62 | | 19 54.86 | | 23 54.86 | | | | 27 02.64 | | 23 28.95 | | 43 39.10 | |
| | 4.27 | | 2.10 | | 1.37 | | 5.59 | | | | 1.10 | | 1.22 | | 10.84 | |
| 156.0 | 20 23.36 | | | | 19 56.20 | | 24 00.43 | | | | 27 03.72 | | 23 30.15 | | 43 49.91 | |
| | 4.29 | | | | 1.32 | | 5.56 | | | | 1.06 | | 1.18 | | 10.78 | |
| 157.0 | 20 27.66 | | | | 19 57.50 | | 24 05.97 | | | | 27 04.76 | | 23 31.31 | | 44 00.66 | |
| | 4.31 | | | | 1.28 | | 5.52 | | | | 1.02 | | 1.13 | | 10.72 | |
| 158.0 | 20 31.98 | | | | 19 58.75 | | 24 11.48 | | | | 27 05.76 | | 23 32.42 | | 44 11.35 | |
| | 4.33 | | | | 1.23 | | 5.49 | | | | 0.98 | | 1.09 | | 10.66 | |
| 159.0 | 20 36.31 | | | | 19 59.96 | | 24 16.94 | | | | 27 06.71 | | 23 33.49 | | 44 21.99 | |
| | 4.34 | | | | 1.18 | | 5.45 | | | | 0.94 | | 1.04 | | 10.60 | |
| 160.0 | 20 40.66 | | | | 20 01.11 | | 24 22.37 | | | | 27 07.63 | | 23 34.51 | | 44 32.56 | |
| | 4.36 | | | | 1.12 | | 5.41 | | | | 0.89 | | 1.00 | | 10.55 | |

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|------------------|-------|------------------|------------------|-------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 160.0 | 20 40.66 4.36 | | 20 01.11 1.12 | 24 22.37 5.41 | | 27 07.63 0.89 | 23 34.51 1.00 | 44 32.56 10.55 |
| 161.0 | 20 45.02 4.37 | | 20 02.20 1.07 | 24 27.76 5.37 | | 27 08.50 0.85 | 23 35.48 0.95 | 44 43.08 10.49 |
| 162.0 | 20 49.39 4.38 | | 20 03.25 1.02 | 24 33.12 5.33 | | 27 09.33 0.81 | 23 36.41 0.90 | 44 53.53 10.43 |
| 163.0 | 20 53.78 4.39 | | 20 04.24 0.97 | 24 38.43 5.29 | | 27 10.11 0.76 | 23 37.28 0.85 | 45 03.93 10.36 |
| 164.0 | 20 58.17 4.40 | | 20 05.18 0.91 | 24 43.71 5.26 | | 27 10.85 0.72 | 23 38.11 0.80 | 45 14.26 10.30 |
| 165.0 | 21 02.57 4.40 | | 20 06.06 0.86 | 24 48.95 5.22 | | 27 11.55 0.67 | 23 38.89 0.75 | 45 24.52 10.23 |
| 166.0 | 21 06.98 4.41 | | 20 06.89 0.80 | 24 54.15 5.18 | | 27 12.20 0.63 | 23 39.62 0.71 | 45 34.72 10.17 |
| 167.0 | 21 11.39 4.42 | | 20 07.66 0.74 | 24 59.31 5.14 | | 27 12.81 0.59 | 23 40.30 0.66 | 45 44.86 10.11 |
| 168.0 | 21 15.81 4.42 | | 20 08.38 0.69 | 25 04.43 5.10 | | 27 13.37 0.54 | 23 40.93 0.61 | 45 54.94 10.05 |
| 169.0 | 21 20.24 4.43 | | 20 09.04 0.63 | 25 09.52 5.06 | | 27 13.89 0.50 | 23 41.51 0.56 | 46 04.96 9.98 |
| 170.0 | 21 24.67 4.43 | | 20 09.64 0.58 | 25 14.56 5.02 | | 27 14.36 0.45 | 23 42.04 0.51 | 46 14.91 9.92 |
| 171.0 | 21 29.10 4.44 | | 20 10.19 0.52 | 25 19.56 4.98 | | 27 14.79 0.41 | 23 42.52 0.46 | 46 24.80 9.86 |
| 172.0 | 21 33.54 4.44 | | 20 10.68 0.46 | 25 24.53 4.95 | | 27 15.17 0.36 | 23 42.95 0.41 | 46 34.63 9.79 |
| 173.0 | 21 37.98 4.44 | | 20 11.11 0.40 | 25 29.46 4.91 | | 27 15.51 0.32 | 23 43.33 0.35 | 46 44.39 9.73 |
| 174.0 | 21 42.42 4.44 | | 20 11.49 0.35 | 25 34.35 4.87 | | 27 15.81 0.27 | 23 43.66 0.30 | 46 54.09 9.67 |
| 175.0 | 21 46.86 4.44 | | 20 11.81 0.29 | 25 39.20 4.82 | | 27 16.06 0.23 | 23 43.94 0.25 | 47 03.72 9.60 |
| 176.0 | 21 51.31 4.44 | | 20 12.07 0.23 | 25 43.98 4.75 | | 27 16.26 0.18 | 23 44.17 0.20 | 47 13.29 9.53 |
| 177.0 | 21 55.75 4.45 | | 20 12.27 0.17 | 25 48.72 4.72 | | 27 16.42 0.14 | 23 44.35 0.15 | 47 22.79 9.47 |
| 178.0 | 22 00.20 4.45 | | 20 12.41 0.12 | 25 53.43 4.70 | | 27 16.53 0.09 | 23 44.47 0.10 | 47 32.22 9.40 |
| 179.0 | | | 20 12.50 0.06 | 25 58.12 4.68 | | 27 16.60 0.05 | 23 44.55 0.05 | 47 41.59 9.33 |
| 180.0 | | | 20 12.53 | 26 02.80 4.67 | | 27 16.62 | 23 44.57 | 47 50.89 9.27 |

Depth : 100.0 km

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|-------|-------|------------------|------------------|------------------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 110.0 | | | | 18 54.02 7.22 | 24 48.48 4.15 | 25 22.57 1.92 | | 34 11.52 13.39 |
| 111.0 | | | | 19 01.22 7.18 | 24 52.60 4.08 | 25 24.49 1.92 | 21 47.81 1.92 | 34 24.88 13.34 |
| 112.0 | | | | 19 08.38 7.14 | 24 56.65 4.02 | 25 26.41 1.92 | 21 49.73 1.92 | 34 38.19 13.28 |
| 113.0 | | | | 19 15.50 7.11 | 25 00.63 3.95 | 25 28.33 1.92 | 21 51.66 1.92 | 34 51.44 13.23 |
| 114.0 | | | | 19 22.59 7.07 | 25 04.54 3.88 | 25 30.25 1.92 | 21 53.58 1.92 | 35 04.64 13.17 |
| 115.0 | | | | 19 29.64 7.03 | 25 08.39 3.81 | 25 32.16 1.91 | 21 55.50 1.92 | 35 17.78 13.11 |
| 116.0 | | | 18 31.11 1.92 | 19 36.66 7.00 | 25 12.16 3.74 | 25 34.08 1.91 | 21 57.42 1.92 | 35 30.87 13.06 |
| 117.0 | | | 18 33.04 1.92 | 19 43.64 6.96 | 25 15.87 3.67 | 25 35.99 1.91 | 21 59.34 1.92 | 35 43.90 13.00 |
| 118.0 | | | 18 34.96 1.92 | 19 50.58 6.92 | 25 19.51 3.61 | 25 37.90 1.91 | 22 01.26 1.92 | 35 56.87 12.95 |
| 119.0 | | | 18 36.88 1.92 | 19 57.49 6.89 | 25 23.08 3.54 | 25 39.80 1.90 | 22 03.18 1.92 | 36 09.79 12.89 |
| 120.0 | | | 18 38.81 1.92 | 20 04.36 6.85 | 25 26.59 3.47 | 25 41.70 1.90 | 22 05.10 1.91 | 36 22.66 12.84 |
| 121.0 | | | 18 40.73 1.92 | 20 11.19 6.81 | 25 30.03 3.41 | 25 43.60 1.89 | 22 07.01 1.91 | 36 35.47 12.78 |
| 122.0 | | | 18 42.65 1.92 | 20 17.99 6.78 | 25 33.40 3.34 | 25 45.49 1.89 | 22 08.92 1.91 | 36 48.22 12.73 |
| 123.0 | | | 18 44.57 1.92 | 20 24.75 6.74 | 25 36.71 3.27 | 25 47.37 1.88 | 22 10.83 1.91 | 37 00.92 12.67 |
| 124.0 | | | 18 46.49 1.92 | 20 31.47 6.71 | 25 39.95 3.21 | 25 49.25 1.88 | 22 12.73 1.90 | 37 13.56 12.61 |
| 125.0 | | | 18 48.40 1.91 | 20 38.16 6.67 | 25 43.12 3.14 | 25 51.13 1.87 | 22 14.63 1.90 | 37 26.14 12.56 |
| 126.0 | | | 18 50.32 1.91 | 20 44.81 6.63 | 25 46.23 3.08 | 25 52.99 1.86 | 22 16.53 1.89 | 37 38.67 12.50 |
| 127.0 | | | 18 52.23 1.91 | 20 51.43 6.60 | 25 49.27 3.01 | 25 54.85 1.85 | 22 18.42 1.89 | 37 51.14 12.44 |
| 128.0 | | | 18 54.13 1.91 | 20 58.01 6.56 | 25 52.25 2.94 | 25 56.70 1.84 | 22 20.31 1.88 | 38 03.55 12.39 |
| 129.0 | | | 18 56.04 1.90 | 21 04.55 6.53 | 25 55.16 2.88 | 25 58.54 1.83 | 22 22.19 1.88 | 38 15.91 12.33 |
| 130.0 | | | 18 57.94 1.90 | 21 11.06 6.49 | 25 58.01 2.81 | 26 00.36 1.82 | 22 24.06 1.87 | 38 28.21 12.27 |
| 131.0 | | | 18 59.83 1.89 | 21 17.54 6.46 | 26 00.79 2.75 | 26 02.18 1.81 | 22 15.20 3.69 | 38 40.46 12.22 |
| 132.0 | | | 19 01.72 1.89 | 21 23.97 6.42 | 26 03.50 2.68 | 26 03.98 1.79 | 22 18.80 3.53 | 38 52.64 12.16 |
| 133.0 | | | 19 03.61 1.88 | 21 30.38 6.38 | 26 06.15 2.61 | 26 05.77 1.78 | 22 22.27 3.40 | 39 04.77 12.10 |
| 134.0 | | | 19 05.49 1.88 | 21 36.74 6.35 | 26 08.73 2.55 | 26 07.54 1.76 | 22 25.61 3.28 | 39 16.85 12.05 |
| 135.0 | | | 19 07.36 1.87 | 21 43.07 6.31 | 26 11.25 2.49 | 26 09.29 1.75 | 22 28.83 3.17 | 39 28.87 11.99 |

| Delta | PKPab | | PKPbc | | PKPdf | | PP | | SKSac | | SKSdf | | SKP | | SS | |
|--------------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 135.0 | | | | | 19 07.36 | | 21 43.07 | | 26 11.25 | | 26 09.29 | | 22 28.83 | | 39 28.87 | |
| | | | | | 1.87 | | 6.31 | | 2.49 | | 1.75 | | 3.17 | | 11.99 | |
| 136.0 | | | | | 19 09.22 | | 21 49.36 | | 26 13.71 | | 26 11.03 | | 22 31.94 | | 39 40.83 | |
| | | | | | 1.86 | | 6.27 | | 2.43 | | 1.73 | | 3.06 | | 11.93 | |
| 137.0 | | | | | 19 11.08 | | 21 55.62 | | 26 16.12 | | 26 12.75 | | 22 34.95 | | 39 52.73 | |
| | | | | | 1.85 | | 6.24 | | 2.38 | | 1.71 | | 2.96 | | 11.88 | |
| 138.0 | | | | | 19 12.92 | | 22 01.84 | | 26 18.48 | | 26 14.44 | | 22 37.87 | | 40 04.58 | |
| | | | | | 1.84 | | 6.20 | | 2.33 | | 1.68 | | 2.86 | | 11.82 | |
| 139.0 | | | | | 19 14.76 | | 22 08.02 | | 26 20.79 | | 26 16.11 | | 22 40.44 | | 40 16.37 | |
| | | | | | 1.83 | | 6.17 | | 2.29 | | 1.66 | | 1.76 | | 11.76 | |
| 140.0 | | | | | 19 16.58 | | 22 14.17 | | 26 23.06 | | 26 17.76 | | 22 42.19 | | 40 28.10 | |
| | | | | | 1.81 | | 6.13 | | 2.24 | | 1.63 | | 1.74 | | 11.70 | |
| 141.0 | | | | | 19 18.38 | | 22 20.28 | | 26 25.27 | | 26 19.38 | | 22 43.91 | | 40 39.78 | |
| | | | | | 1.80 | | 6.09 | | 2.20 | | 1.61 | | 1.71 | | 11.65 | |
| 142.0 | | | | | 19 20.18 | | 22 26.36 | | 26 27.45 | | 26 20.97 | | 22 45.62 | | 40 51.39 | |
| | | | | | 1.78 | | 6.06 | | 2.16 | | 1.57 | | 1.69 | | 11.59 | |
| 143.0 | | | | | 19 21.95 | | 22 32.40 | | 26 29.59 | | 26 22.53 | | 22 47.30 | | 41 02.95 | |
| | | | | | 1.77 | | 6.02 | | 2.12 | | 1.54 | | 1.67 | | 11.53 | |
| 144.0 | | | | | 19 23.71 | | 22 38.40 | | 26 31.69 | | 26 24.05 | | 22 48.95 | | 41 14.45 | |
| | | | | | 1.75 | | 5.99 | | 2.08 | | 1.51 | | 1.64 | | 11.47 | |
| 145.0 | 19 25.03 | | 19 24.98 | | 19 25.44 | | 22 44.37 | | | | 26 25.54 | | 22 50.57 | | 41 25.90 | |
| | 3.64 | | 3.27 | | 1.72 | | 5.95 | | | | 1.48 | | 1.61 | | 11.41 | |
| 146.0 | 19 28.78 | | 19 28.09 | | 19 27.15 | | 22 50.30 | | | | 26 27.00 | | 22 52.16 | | 41 37.28 | |
| | 3.83 | | 3.00 | | 1.70 | | 5.91 | | | | 1.44 | | 1.57 | | 11.35 | |
| 147.0 | 19 32.67 | | 19 30.99 | | 19 28.84 | | 22 56.19 | | | | 26 28.43 | | 22 53.72 | | 41 48.60 | |
| | 3.93 | | 2.80 | | 1.67 | | 5.87 | | | | 1.41 | | 1.54 | | 11.29 | |
| 148.0 | 19 36.64 | | 19 33.71 | | 19 30.50 | | 23 02.05 | | | | 26 29.82 | | 22 55.24 | | 41 59.87 | |
| | 4.01 | | 2.64 | | 1.64 | | 5.84 | | | | 1.37 | | 1.50 | | 11.23 | |
| 149.0 | 19 40.69 | | 19 36.28 | | 19 32.12 | | 23 07.87 | | | | 26 31.18 | | 22 56.73 | | 42 11.07 | |
| | 4.07 | | 2.51 | | 1.61 | | 5.80 | | | | 1.34 | | 1.47 | | 11.17 | |
| 150.0 | 19 44.78 | | 19 38.74 | | 19 33.72 | | 23 13.65 | | | | 26 32.49 | | 22 58.17 | | 42 22.21 | |
| | 4.12 | | 2.41 | | 1.57 | | 5.76 | | | | 1.30 | | 1.43 | | 11.11 | |
| 151.0 | 19 48.92 | | 19 41.11 | | 19 35.27 | | 23 19.39 | | | | 26 33.77 | | 22 59.58 | | 42 33.30 | |
| | 4.16 | | 2.33 | | 1.53 | | 5.73 | | | | 1.26 | | 1.39 | | 11.06 | |
| 152.0 | 19 53.10 | | 19 43.40 | | 19 36.78 | | 23 25.10 | | | | 26 35.01 | | 23 00.96 | | 42 44.33 | |
| | 4.19 | | 2.26 | | 1.49 | | 5.69 | | | | 1.22 | | 1.35 | | 11.00 | |
| 153.0 | 19 57.31 | | 19 45.63 | | 19 38.26 | | 23 30.77 | | | | 26 36.21 | | 23 02.28 | | 42 55.29 | |
| | 4.22 | | 2.20 | | 1.45 | | 5.65 | | | | 1.18 | | 1.31 | | 10.94 | |
| 154.0 | 20 01.54 | | 19 47.80 | | 19 39.69 | | 23 36.40 | | | | 26 37.38 | | 23 03.57 | | 43 06.20 | |
| | 4.25 | | 2.14 | | 1.41 | | 5.62 | | | | 1.14 | | 1.27 | | 10.88 | |
| 155.0 | 20 05.81 | | 19 49.91 | | 19 41.08 | | 23 42.00 | | | | 26 38.50 | | 23 04.82 | | 43 17.05 | |
| | 4.27 | | 2.09 | | 1.37 | | 5.58 | | | | 1.10 | | 1.22 | | 10.82 | |
| 156.0 | 20 10.09 | | | | 19 42.42 | | 23 47.57 | | | | 26 39.58 | | 23 06.02 | | 43 27.84 | |
| | 4.30 | | | | 1.32 | | 5.54 | | | | 1.06 | | 1.18 | | 10.76 | |
| 157.0 | 20 14.40 | | | | 19 43.72 | | 23 53.09 | | | | 26 40.62 | | 23 07.17 | | 43 38.57 | |
| | 4.31 | | | | 1.27 | | 5.51 | | | | 1.02 | | 1.13 | | 10.70 | |
| 158.0 | 20 18.72 | | | | 19 44.96 | | 23 58.58 | | | | 26 41.61 | | 23 08.28 | | 43 49.24 | |
| | 4.33 | | | | 1.22 | | 5.47 | | | | 0.98 | | 1.09 | | 10.64 | |
| 159.0 | 20 23.06 | | | | 19 46.16 | | 24 04.04 | | | | 26 42.57 | | 23 09.35 | | 43 59.85 | |
| | 4.35 | | | | 1.17 | | 5.43 | | | | 0.93 | | 1.04 | | 10.58 | |
| 160.0 | 20 27.41 | | | | 19 47.31 | | 24 09.45 | | | | 26 43.48 | | 23 10.36 | | 44 10.40 | |
| | 4.36 | | | | 1.12 | | 5.40 | | | | 0.89 | | 0.99 | | 10.52 | |

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|------------------|-------|------------------|------------------|-------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 160.0 | 20 27.41 4.36 | | 19 47.31 1.12 | 24 09.45 5.40 | | 26 43.48 0.89 | 23 10.36 0.99 | 44 10.40 10.52 |
| 161.0 | 20 31.78 4.37 | | 19 48.40 1.07 | 24 14.83 5.36 | | 26 44.35 0.85 | 23 11.34 0.95 | 44 20.89 10.46 |
| 162.0 | 20 36.15 4.38 | | 19 49.44 1.02 | 24 20.17 5.32 | | 26 45.18 0.80 | 23 12.26 0.90 | 44 31.32 10.40 |
| 163.0 | 20 40.54 4.39 | | 19 50.43 0.96 | 24 25.47 5.28 | | 26 45.96 0.76 | 23 13.13 0.85 | 44 41.69 10.34 |
| 164.0 | 20 44.93 4.40 | | 19 51.37 0.91 | 24 30.73 5.24 | | 26 46.70 0.72 | 23 13.96 0.80 | 44 52.00 10.27 |
| 165.0 | 20 49.34 4.41 | | 19 52.25 0.85 | 24 35.96 5.21 | | 26 47.39 0.67 | 23 14.74 0.75 | 45 02.24 10.21 |
| 166.0 | 20 53.75 4.41 | | 19 53.07 0.80 | 24 41.15 5.17 | | 26 48.04 0.63 | 23 15.47 0.70 | 45 12.41 10.15 |
| 167.0 | 20 58.16 4.42 | | 19 53.84 0.74 | 24 46.30 5.13 | | 26 48.65 0.58 | 23 16.14 0.65 | 45 22.53 10.08 |
| 168.0 | 21 02.59 4.42 | | 19 54.56 0.69 | 24 51.41 5.09 | | 26 49.21 0.54 | 23 16.77 0.60 | 45 32.58 10.02 |
| 169.0 | 21 07.01 4.43 | | 19 55.22 0.63 | 24 56.48 5.05 | | 26 49.73 0.50 | 23 17.35 0.55 | 45 42.58 9.96 |
| 170.0 | 21 11.44 4.43 | | 19 55.82 0.57 | 25 01.51 5.01 | | 26 50.20 0.45 | 23 17.88 0.50 | 45 52.51 9.90 |
| 171.0 | 21 15.88 4.44 | | 19 56.36 0.52 | 25 06.50 4.97 | | 26 50.63 0.41 | 23 18.36 0.45 | 46 02.37 9.84 |
| 172.0 | 21 20.31 4.44 | | 19 56.85 0.46 | 25 11.45 4.94 | | 26 51.02 0.36 | 23 18.79 0.40 | 46 12.18 9.77 |
| 173.0 | 21 24.75 4.44 | | 19 57.28 0.40 | 25 16.37 4.90 | | 26 51.35 0.32 | 23 19.17 0.35 | 46 21.91 9.71 |
| 174.0 | 21 29.20 4.44 | | 19 57.65 0.35 | 25 21.25 4.86 | | 26 51.65 0.27 | 23 19.50 0.30 | 46 31.59 9.64 |
| 175.0 | 21 33.64 4.44 | | 19 57.97 0.29 | 25 26.09 4.80 | | 26 51.90 0.23 | 23 19.78 0.25 | 46 41.20 9.58 |
| 176.0 | 21 38.08 4.45 | | 19 58.23 0.23 | 25 30.85 4.74 | | 26 52.10 0.18 | 23 20.01 0.20 | 46 50.74 9.51 |
| 177.0 | 21 42.53 4.45 | | 19 58.43 0.17 | 25 35.57 4.71 | | 26 52.26 0.14 | 23 20.19 0.15 | 47 00.22 9.44 |
| 178.0 | | | 19 58.58 0.12 | 25 40.28 4.70 | | 26 52.37 0.09 | 23 20.31 0.10 | 47 09.63 9.38 |
| 179.0 | | | 19 58.66 0.06 | 25 44.96 4.68 | | 26 52.44 0.05 | 23 20.39 0.05 | 47 18.98 9.31 |
| 180.0 | | | 19 58.69 | 25 49.64 4.67 | | 26 52.46 | 23 20.41 | 47 28.25 9.24 |

Depth : 300.0 km

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|-------|-------|------------------|------------------|------------------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 110.0 | | | | 18 33.93 7.17 | 24 05.19 4.13 | 24 38.74 1.92 | 21 02.06 1.92 | 33 35.22 13.32 |
| 111.0 | | | | 18 41.09 7.13 | 24 09.28 4.06 | 24 40.66 1.92 | 21 03.98 1.92 | 33 48.51 13.27 |
| 112.0 | | | | 18 48.20 7.10 | 24 13.31 3.99 | 24 42.58 1.92 | 21 05.91 1.92 | 34 01.75 13.21 |
| 113.0 | | | | 18 55.28 7.06 | 24 17.27 3.93 | 24 44.50 1.92 | 21 07.83 1.92 | 34 14.93 13.16 |
| 114.0 | | | | 19 02.33 7.03 | 24 21.16 3.86 | 24 46.42 1.92 | 21 09.75 1.92 | 34 28.06 13.10 |
| 115.0 | | | 18 05.33 1.92 | 19 09.34 6.99 | 24 24.98 3.79 | 24 48.34 1.91 | 21 11.68 1.92 | 34 41.13 13.04 |
| 116.0 | | | 18 07.25 1.92 | 19 16.31 6.95 | 24 28.74 3.72 | 24 50.25 1.91 | 21 13.60 1.92 | 34 54.15 12.99 |
| 117.0 | | | 18 09.17 1.92 | 19 23.25 6.92 | 24 32.43 3.65 | 24 52.16 1.91 | 21 15.52 1.92 | 35 07.11 12.94 |
| 118.0 | | | 18 11.10 1.92 | 19 30.15 6.88 | 24 36.05 3.59 | 24 54.07 1.91 | 21 17.44 1.92 | 35 20.02 12.88 |
| 119.0 | | | 18 13.02 1.92 | 19 37.01 6.85 | 24 39.60 3.52 | 24 55.97 1.90 | 21 19.35 1.92 | 35 32.88 12.83 |
| 120.0 | | | 18 14.94 1.92 | 19 43.84 6.81 | 24 43.09 3.46 | 24 57.87 1.90 | 21 21.27 1.91 | 35 45.67 12.77 |
| 121.0 | | | 18 16.86 1.92 | 19 50.63 6.77 | 24 46.51 3.39 | 24 59.77 1.89 | 21 23.18 1.91 | 35 58.42 12.71 |
| 122.0 | | | 18 18.79 1.92 | 19 57.38 6.74 | 24 49.87 3.32 | 25 01.66 1.89 | 21 25.09 1.91 | 36 11.10 12.66 |
| 123.0 | | | 18 20.70 1.92 | 20 04.10 6.70 | 24 53.16 3.26 | 25 03.54 1.88 | 21 27.00 1.91 | 36 23.73 12.60 |
| 124.0 | | | 18 22.62 1.92 | 20 10.79 6.67 | 24 56.38 3.19 | 25 05.42 1.88 | 21 28.90 1.90 | 36 36.31 12.55 |
| 125.0 | | | 18 24.54 1.91 | 20 17.44 6.63 | 24 59.54 3.13 | 25 07.29 1.87 | 21 30.80 1.90 | 36 48.83 12.49 |
| 126.0 | | | 18 26.45 1.91 | 20 24.05 6.60 | 25 02.63 3.06 | 25 09.16 1.86 | 21 32.70 1.89 | 37 01.29 12.43 |
| 127.0 | | | 18 28.36 1.91 | 20 30.63 6.56 | 25 05.66 2.99 | 25 11.01 1.85 | 21 34.59 1.89 | 37 13.69 12.38 |
| 128.0 | | | 18 30.27 1.91 | 20 37.17 6.52 | 25 08.62 2.93 | 25 12.86 1.84 | 21 36.47 1.88 | 37 26.04 12.32 |
| 129.0 | | | 18 32.17 1.90 | 20 43.67 6.49 | 25 11.52 2.86 | 25 14.70 1.83 | 21 38.35 1.88 | 37 38.34 12.27 |
| 130.0 | | | 18 34.07 1.90 | 20 50.15 6.45 | 25 14.35 2.80 | 25 16.52 1.82 | 21 28.02 3.86 | 37 50.58 12.21 |
| 131.0 | | | 18 35.96 1.89 | 20 56.58 6.42 | 25 17.11 2.73 | 25 18.34 1.81 | 21 31.75 3.64 | 38 02.76 12.15 |
| 132.0 | | | 18 37.85 1.89 | 21 02.98 6.38 | 25 19.81 2.67 | 25 20.14 1.79 | 21 35.32 3.49 | 38 14.88 12.10 |
| 133.0 | | | 18 39.74 1.88 | 21 09.34 6.35 | 25 22.44 2.60 | 25 21.92 1.78 | 21 38.75 3.37 | 38 26.95 12.04 |
| 134.0 | | | 18 41.61 1.87 | 21 15.67 6.31 | 25 25.01 2.54 | 25 23.69 1.76 | 21 42.06 3.25 | 38 38.96 11.98 |
| 135.0 | | | 18 43.48 1.87 | 21 21.96 6.27 | 25 27.52 2.48 | 25 25.44 1.74 | 21 45.25 3.14 | 38 50.92 11.93 |

| Delta | PKPab | | PKPbc | | PKPdf | | PP | | SKSac | | SKSdf | | SKP | | SS | |
|--------------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 135.0 | | | | | 18 43.48 | | 21 21.96 | | 25 27.52 | | 25 25.44 | | 21 45.25 | | 38 50.92 | |
| | | | | | 1.87 | | 6.27 | | 2.48 | | 1.74 | | 3.14 | | 11.93 | |
| 136.0 | | | | | 18 45.34 | | 21 28.22 | | 25 30.00 | | 25 27.18 | | 21 48.34 | | 39 02.82 | |
| | | | | | 1.86 | | 6.24 | | 2.42 | | 1.72 | | 3.04 | | 11.87 | |
| 137.0 | | | | | 18 47.19 | | 21 34.44 | | 25 32.37 | | 25 28.89 | | 21 51.33 | | 39 14.66 | |
| | | | | | 1.85 | | 6.20 | | 2.37 | | 1.70 | | 2.94 | | 11.81 | |
| 138.0 | | | | | 18 49.04 | | 21 40.62 | | 25 34.72 | | 25 30.58 | | 21 54.22 | | 39 26.45 | |
| | | | | | 1.84 | | 6.17 | | 2.33 | | 1.68 | | 2.84 | | 11.76 | |
| 139.0 | | | | | 18 50.87 | | 21 46.77 | | 25 37.02 | | 25 32.25 | | 21 56.59 | | 39 38.18 | |
| | | | | | 1.82 | | 6.13 | | 2.28 | | 1.66 | | 1.75 | | 11.70 | |
| 140.0 | | | | | 18 52.68 | | 21 52.88 | | 25 39.28 | | 25 33.89 | | 21 58.33 | | 39 49.85 | |
| | | | | | 1.81 | | 6.09 | | 2.23 | | 1.63 | | 1.73 | | 11.64 | |
| 141.0 | | | | | 18 54.49 | | 21 58.96 | | 25 41.49 | | 25 35.51 | | 22 00.06 | | 40 01.46 | |
| | | | | | 1.80 | | 6.06 | | 2.19 | | 1.60 | | 1.71 | | 11.59 | |
| 142.0 | | | | | 18 56.27 | | 22 05.00 | | 25 43.66 | | 25 37.09 | | 22 01.76 | | 40 13.02 | |
| | | | | | 1.78 | | 6.02 | | 2.15 | | 1.57 | | 1.69 | | 11.53 | |
| 143.0 | | | | | 18 58.04 | | 22 11.00 | | 25 45.80 | | 25 38.65 | | 22 03.43 | | 40 24.52 | |
| | | | | | 1.76 | | 5.99 | | 2.11 | | 1.54 | | 1.66 | | 11.47 | |
| 144.0 | | | | | 18 59.79 | | 22 16.97 | | 25 47.89 | | 25 40.17 | | 22 05.08 | | 40 35.96 | |
| | | | | | 1.74 | | 5.95 | | 2.07 | | 1.51 | | 1.64 | | 11.41 | |
| 145.0 | 19 01.91 | | 19 01.59 | | 19 01.52 | | 22 22.90 | | | | 25 41.66 | | 22 06.70 | | 40 47.34 | |
| | 3.77 | | 3.12 | | 1.72 | | 5.91 | | | | 1.47 | | 1.60 | | 11.35 | |
| 146.0 | 19 05.75 | | 19 04.60 | | 19 03.23 | | 22 28.80 | | | | 25 43.11 | | 22 08.29 | | 40 58.66 | |
| | 3.90 | | 2.91 | | 1.69 | | 5.88 | | | | 1.44 | | 1.57 | | 11.29 | |
| 147.0 | 19 09.69 | | 19 07.42 | | 19 04.91 | | 22 34.66 | | | | 25 44.54 | | 22 09.84 | | 41 09.93 | |
| | 3.98 | | 2.74 | | 1.67 | | 5.84 | | | | 1.40 | | 1.53 | | 11.23 | |
| 148.0 | 19 13.71 | | 19 10.08 | | 19 06.56 | | 22 40.48 | | | | 25 45.92 | | 22 11.36 | | 41 21.13 | |
| | 4.05 | | 2.58 | | 1.64 | | 5.80 | | | | 1.37 | | 1.50 | | 11.17 | |
| 149.0 | 19 17.78 | | 19 12.60 | | 19 08.18 | | 22 46.26 | | | | 25 47.27 | | 22 12.84 | | 41 32.28 | |
| | 4.10 | | 2.47 | | 1.60 | | 5.77 | | | | 1.33 | | 1.46 | | 11.12 | |
| 150.0 | 19 21.90 | | 19 15.03 | | 19 09.76 | | 22 52.01 | | | | 25 48.59 | | 22 14.28 | | 41 43.36 | |
| | 4.14 | | 2.38 | | 1.56 | | 5.73 | | | | 1.29 | | 1.43 | | 11.06 | |
| 151.0 | 19 26.07 | | 19 17.37 | | 19 11.31 | | 22 57.72 | | | | 25 49.86 | | 22 15.69 | | 41 54.39 | |
| | 4.18 | | 2.30 | | 1.52 | | 5.69 | | | | 1.26 | | 1.39 | | 11.00 | |
| 152.0 | 19 30.27 | | 19 19.64 | | 19 12.81 | | 23 03.39 | | | | 25 51.10 | | 22 17.05 | | 42 05.36 | |
| | 4.21 | | 2.24 | | 1.49 | | 5.66 | | | | 1.22 | | 1.35 | | 10.94 | |
| 153.0 | 19 34.49 | | 19 21.84 | | 19 14.28 | | 23 09.03 | | | | 25 52.30 | | 22 18.38 | | 42 16.27 | |
| | 4.24 | | 2.18 | | 1.44 | | 5.62 | | | | 1.18 | | 1.30 | | 10.88 | |
| 154.0 | 19 38.75 | | 19 24.00 | | 19 15.70 | | 23 14.63 | | | | 25 53.46 | | 22 19.66 | | 42 27.12 | |
| | 4.27 | | 2.13 | | 1.40 | | 5.59 | | | | 1.14 | | 1.26 | | 10.82 | |
| 155.0 | 19 43.03 | | 19 26.10 | | 19 17.08 | | 23 20.20 | | | | 25 54.57 | | 22 20.90 | | 42 37.91 | |
| | 4.29 | | 2.07 | | 1.36 | | 5.55 | | | | 1.10 | | 1.22 | | 10.76 | |
| 156.0 | 19 47.33 | | | | 19 18.42 | | 23 25.73 | | | | 25 55.65 | | 22 22.10 | | 42 48.64 | |
| | 4.31 | | | | 1.31 | | 5.51 | | | | 1.06 | | 1.17 | | 10.70 | |
| 157.0 | 19 51.64 | | | | 19 19.70 | | 23 31.23 | | | | 25 56.68 | | 22 23.25 | | 42 59.32 | |
| | 4.33 | | | | 1.26 | | 5.48 | | | | 1.02 | | 1.13 | | 10.64 | |
| 158.0 | 19 55.97 | | | | 19 20.94 | | 23 36.69 | | | | 25 57.68 | | 22 24.36 | | 43 09.93 | |
| | 4.34 | | | | 1.21 | | 5.44 | | | | 0.97 | | 1.08 | | 10.59 | |
| 159.0 | 20 00.32 | | | | 19 22.13 | | 23 42.11 | | | | 25 58.63 | | 22 25.42 | | 43 20.49 | |
| | 4.35 | | | | 1.16 | | 5.40 | | | | 0.93 | | 1.04 | | 10.53 | |
| 160.0 | 20 04.68 | | | | 19 23.27 | | 23 47.49 | | | | 25 59.54 | | 22 26.43 | | 43 30.98 | |
| | 4.37 | | | | 1.11 | | 5.36 | | | | 0.89 | | 0.99 | | 10.47 | |

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|------------------|-------|------------------|------------------|-------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 160.0 | 20 04.68 4.37 | | 19 23.27 1.11 | 23 47.49 5.36 | | 25 59.54 0.89 | 22 26.43 0.99 | 43 30.98 10.47 |
| 161.0 | 20 09.06 4.38 | | 19 24.35 1.06 | 23 52.84 5.33 | | 26 00.41 0.84 | 22 27.40 0.94 | 43 41.42 10.41 |
| 162.0 | 20 13.44 4.39 | | 19 25.39 1.01 | 23 58.15 5.29 | | 26 01.23 0.80 | 22 28.32 0.90 | 43 51.80 10.34 |
| 163.0 | 20 17.83 4.40 | | 19 26.37 0.96 | 24 03.42 5.25 | | 26 02.01 0.76 | 22 29.19 0.85 | 44 02.11 10.28 |
| 164.0 | 20 22.23 4.40 | | 19 27.30 0.90 | 24 08.65 5.21 | | 26 02.75 0.71 | 22 30.01 0.80 | 44 12.35 10.22 |
| 165.0 | 20 26.64 4.41 | | 19 28.17 0.85 | 24 13.84 5.18 | | 26 03.44 0.67 | 22 30.79 0.75 | 44 22.54 10.15 |
| 166.0 | 20 31.06 4.42 | | 19 28.99 0.79 | 24 19.00 5.14 | | 26 04.09 0.63 | 22 31.51 0.70 | 44 32.66 10.09 |
| 167.0 | 20 35.48 4.42 | | 19 29.75 0.74 | 24 24.12 5.10 | | 26 04.69 0.58 | 22 32.19 0.65 | 44 42.72 10.03 |
| 168.0 | 20 39.90 4.43 | | 19 30.46 0.68 | 24 29.20 5.06 | | 26 05.25 0.54 | 22 32.82 0.60 | 44 52.73 9.97 |
| 169.0 | 20 44.33 4.43 | | 19 31.12 0.62 | 24 34.24 5.02 | | 26 05.77 0.49 | 22 33.39 0.55 | 45 02.66 9.91 |
| 170.0 | 20 48.76 4.44 | | 19 31.71 0.57 | 24 39.24 4.98 | | 26 06.24 0.45 | 22 33.92 0.50 | 45 12.54 9.84 |
| 171.0 | 20 53.20 4.44 | | 19 32.25 0.51 | 24 44.20 4.94 | | 26 06.67 0.40 | 22 34.40 0.45 | 45 22.35 9.78 |
| 172.0 | 20 57.64 4.44 | | 19 32.74 0.46 | 24 49.13 4.91 | | 26 07.05 0.36 | 22 34.83 0.40 | 45 32.10 9.72 |
| 173.0 | 21 02.08 4.44 | | 19 33.16 0.40 | 24 54.02 4.87 | | 26 07.39 0.32 | 22 35.21 0.35 | 45 41.79 9.65 |
| 174.0 | 21 06.52 4.44 | | 19 33.53 0.34 | 24 58.86 4.82 | | 26 07.68 0.27 | 22 35.53 0.30 | 45 51.41 9.59 |
| 175.0 | 21 10.97 4.44 | | 19 33.85 0.29 | 25 03.64 4.75 | | 26 07.93 0.23 | 22 35.81 0.25 | 46 00.96 9.52 |
| 176.0 | 21 15.41 4.45 | | 19 34.10 0.23 | 25 08.37 4.72 | | 26 08.13 0.18 | 22 36.04 0.20 | 46 10.45 9.46 |
| 177.0 | 21 19.86 4.45 | | 19 34.30 0.17 | 25 13.08 4.70 | | 26 08.29 0.14 | 22 36.22 0.15 | 46 19.88 9.39 |
| 178.0 | | | 19 34.45 0.11 | 25 17.78 4.68 | | 26 08.40 0.09 | 22 36.34 0.10 | 46 29.24 9.32 |
| 179.0 | | | 19 34.53 0.06 | 25 22.45 4.67 | | 26 08.47 0.05 | 22 36.42 0.05 | 46 38.53 9.26 |
| 180.0 | | | 19 34.56 | 25 27.11 4.66 | | 26 08.49 | 22 36.44 | 46 47.75 9.19 |

Depth : 600.0 km

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|-------|-------|------------------|------------------|------------------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 110.0 | | | | 18 09.45 7.08 | 23 07.37 4.09 | 23 40.00 1.92 | 20 03.29 1.92 | 32 50.57 13.18 |
| 111.0 | | | | 18 16.51 7.05 | 23 11.43 4.02 | 23 41.89 1.92 | 20 05.21 1.92 | 33 03.72 13.13 |
| 112.0 | | | | 18 23.54 7.01 | 23 15.42 3.95 | 23 43.81 1.92 | 20 07.13 1.92 | 33 16.83 13.07 |
| 113.0 | | | | 18 30.54 6.98 | 23 19.34 3.89 | 23 45.73 1.92 | 20 09.06 1.92 | 33 29.87 13.02 |
| 114.0 | | | | 18 37.50 6.94 | 23 23.19 3.82 | 23 47.65 1.92 | 20 10.98 1.92 | 33 42.86 12.97 |
| 115.0 | | | 17 33.72 1.92 | 18 44.42 6.91 | 23 26.98 3.75 | 23 49.56 1.91 | 20 12.90 1.92 | 33 55.80 12.91 |
| 116.0 | | | 17 35.64 1.92 | 18 51.31 6.87 | 23 30.69 3.68 | 23 51.47 1.91 | 20 14.82 1.92 | 34 08.69 12.86 |
| 117.0 | | | 17 37.57 1.92 | 18 58.16 6.83 | 23 34.35 3.62 | 23 53.38 1.91 | 20 16.74 1.92 | 34 21.52 12.80 |
| 118.0 | | | 17 39.49 1.92 | 19 04.98 6.80 | 23 37.93 3.55 | 23 55.29 1.90 | 20 18.66 1.92 | 34 34.30 12.75 |
| 119.0 | | | 17 41.41 1.92 | 19 11.76 6.76 | 23 41.45 3.49 | 23 57.19 1.90 | 20 20.58 1.92 | 34 47.02 12.70 |
| 120.0 | | | 17 43.33 1.92 | 19 18.51 6.73 | 23 44.91 3.42 | 23 59.09 1.90 | 20 22.49 1.91 | 34 59.69 12.64 |
| 121.0 | | | 17 45.26 1.92 | 19 25.22 6.69 | 23 48.29 3.36 | 24 00.99 1.89 | 20 24.41 1.91 | 35 12.30 12.58 |
| 122.0 | | | 17 47.18 1.92 | 19 31.89 6.66 | 23 51.62 3.29 | 24 02.88 1.89 | 20 26.32 1.91 | 35 24.86 12.53 |
| 123.0 | | | 17 49.09 1.92 | 19 38.53 6.62 | 23 54.88 3.22 | 24 04.76 1.88 | 20 28.22 1.90 | 35 37.36 12.47 |
| 124.0 | | | 17 51.01 1.92 | 19 45.14 6.59 | 23 58.07 3.16 | 24 06.64 1.87 | 20 30.13 1.90 | 35 49.81 12.42 |
| 125.0 | | | 17 52.92 1.91 | 19 51.71 6.55 | 24 01.20 3.10 | 24 08.51 1.87 | 20 32.02 1.90 | 36 02.20 12.36 |
| 126.0 | | | 17 54.83 1.91 | 19 58.25 6.52 | 24 04.26 3.03 | 24 10.37 1.86 | 20 33.92 1.89 | 36 14.53 12.31 |
| 127.0 | | | 17 56.74 1.91 | 20 04.75 6.48 | 24 07.26 2.97 | 24 12.22 1.85 | 20 35.81 1.89 | 36 26.81 12.25 |
| 128.0 | | | 17 58.65 1.90 | 20 11.22 6.45 | 24 10.19 2.90 | 24 14.07 1.84 | 20 37.69 1.88 | 36 39.04 12.20 |
| 129.0 | | | 18 00.55 1.90 | 20 17.65 6.41 | 24 13.06 2.84 | 24 15.90 1.83 | 20 39.57 1.87 | 36 51.21 12.14 |
| 130.0 | | | 18 02.45 1.89 | 20 24.04 6.38 | 24 15.87 2.77 | 24 17.72 1.82 | 20 30.02 3.72 | 37 03.33 12.09 |
| 131.0 | | | 18 04.34 1.89 | 20 30.41 6.34 | 24 18.61 2.71 | 24 19.53 1.80 | 20 33.65 3.56 | 37 15.39 12.03 |
| 132.0 | | | 18 06.22 1.88 | 20 36.73 6.31 | 24 21.28 2.64 | 24 21.33 1.79 | 20 37.15 3.43 | 37 27.39 11.98 |
| 133.0 | | | 18 08.11 1.88 | 20 43.02 6.27 | 24 23.89 2.58 | 24 23.11 1.77 | 20 40.52 3.31 | 37 39.34 11.92 |
| 134.0 | | | 18 10.00 1.87 | 20 49.28 6.24 | 24 26.44 2.52 | 24 24.88 1.76 | 20 43.77 3.20 | 37 51.23 11.86 |
| 135.0 | | | 18 11.84 1.86 | 20 55.50 6.20 | 24 28.93 2.46 | 24 26.62 1.74 | 20 46.91 3.09 | 38 03.07 11.81 |

| Delta | PKPab | | PKPbc | | PKPdf | | PP | | SKSac | | SKSdf | | SKP | | SS | |
|--------------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| | m | s | m | s | m | s | m | s | m | s | m | s | m | s | m | s |
| 135.0 | | | | | 18 11.84 | | 20 55.50 | | 24 28.93 | | 24 26.62 | | 20 46.91 | | 38 03.07 | |
| | | | | | 1.86 | | 6.20 | | 2.46 | | 1.74 | | 3.09 | | 11.81 | |
| 136.0 | | | | | 18 13.70 | | 21 01.68 | | 24 31.36 | | 24 28.35 | | 20 49.96 | | 38 14.85 | |
| | | | | | 1.85 | | 6.17 | | 2.41 | | 1.72 | | 2.99 | | 11.75 | |
| 137.0 | | | | | 18 15.55 | | 21 07.83 | | 24 33.74 | | 24 30.06 | | 20 52.90 | | 38 26.57 | |
| | | | | | 1.84 | | 6.13 | | 2.36 | | 1.70 | | 2.90 | | 11.70 | |
| 138.0 | | | | | 18 17.38 | | 21 13.95 | | 24 36.07 | | 24 31.74 | | 20 55.75 | | 38 38.24 | |
| | | | | | 1.83 | | 6.10 | | 2.31 | | 1.67 | | 2.80 | | 11.64 | |
| 139.0 | | | | | 18 19.21 | | 21 20.02 | | 24 38.36 | | 24 33.41 | | 20 57.77 | | 38 49.85 | |
| | | | | | 1.82 | | 6.06 | | 2.26 | | 1.65 | | 1.75 | | 11.58 | |
| 140.0 | | | | | 18 21.02 | | 21 26.07 | | 24 40.60 | | 24 35.04 | | 20 59.51 | | 39 01.41 | |
| | | | | | 1.80 | | 6.03 | | 2.22 | | 1.62 | | 1.73 | | 11.53 | |
| 141.0 | | | | | 18 22.81 | | 21 32.08 | | 24 42.80 | | 24 36.65 | | 21 01.23 | | 39 12.91 | |
| | | | | | 1.79 | | 5.99 | | 2.18 | | 1.59 | | 1.71 | | 11.47 | |
| 142.0 | | | | | 18 24.59 | | 21 38.05 | | 24 44.96 | | 24 38.23 | | 21 02.92 | | 39 24.35 | |
| | | | | | 1.77 | | 5.95 | | 2.14 | | 1.56 | | 1.68 | | 11.41 | |
| 143.0 | | | | | 18 26.35 | | 21 43.98 | | 24 47.08 | | 24 39.78 | | 21 04.59 | | 39 35.73 | |
| | | | | | 1.75 | | 5.92 | | 2.10 | | 1.53 | | 1.66 | | 11.35 | |
| 144.0 | 18 27.97 | | 18 27.68 | | 18 28.09 | | 21 49.89 | | | | 24 41.29 | | 21 06.24 | | 39 47.06 | |
| | 3.78 | | 3.16 | | 1.73 | | 5.88 | | | | 1.50 | | 1.63 | | 11.29 | |
| 145.0 | 18 31.82 | | 18 30.72 | | 18 29.81 | | 21 55.75 | | | | 24 42.78 | | 21 07.85 | | 39 58.32 | |
| | 3.91 | | 2.95 | | 1.71 | | 5.85 | | | | 1.47 | | 1.60 | | 11.24 | |
| 146.0 | 18 35.77 | | 18 33.58 | | 18 31.51 | | 22 01.58 | | | | 24 44.22 | | 21 09.43 | | 40 09.53 | |
| | 3.99 | | 2.78 | | 1.68 | | 5.81 | | | | 1.43 | | 1.56 | | 11.18 | |
| 147.0 | 18 39.80 | | 18 36.28 | | 18 33.18 | | 22 07.37 | | | | 24 45.64 | | 21 10.97 | | 40 20.68 | |
| | 4.06 | | 2.62 | | 1.65 | | 5.77 | | | | 1.40 | | 1.53 | | 11.12 | |
| 148.0 | 18 43.88 | | 18 38.84 | | 18 34.81 | | 22 13.12 | | | | 24 47.02 | | 21 12.48 | | 40 31.77 | |
| | 4.11 | | 2.50 | | 1.62 | | 5.74 | | | | 1.36 | | 1.49 | | 11.06 | |
| 149.0 | 18 48.01 | | 18 41.30 | | 18 36.42 | | 22 18.84 | | | | 24 48.36 | | 21 13.95 | | 40 42.80 | |
| | 4.15 | | 2.41 | | 1.59 | | 5.70 | | | | 1.33 | | 1.45 | | 11.01 | |
| 150.0 | 18 52.18 | | 18 43.67 | | 18 37.99 | | 22 24.52 | | | | 24 49.67 | | 21 15.39 | | 40 53.78 | |
| | 4.19 | | 2.33 | | 1.55 | | 5.67 | | | | 1.29 | | 1.42 | | 10.95 | |
| 151.0 | 18 56.39 | | 18 45.96 | | 18 39.51 | | 22 30.17 | | | | 24 50.94 | | 21 16.79 | | 41 04.70 | |
| | 4.22 | | 2.26 | | 1.51 | | 5.63 | | | | 1.25 | | 1.38 | | 10.89 | |
| 152.0 | 19 00.62 | | 18 48.19 | | 18 41.00 | | 22 35.79 | | | | 24 52.17 | | 21 18.15 | | 41 15.56 | |
| | 4.25 | | 2.20 | | 1.47 | | 5.60 | | | | 1.21 | | 1.34 | | 10.83 | |
| 153.0 | 19 04.88 | | 18 50.37 | | 18 42.45 | | 22 41.36 | | | | 24 53.36 | | 21 19.46 | | 41 26.36 | |
| | 4.27 | | 2.15 | | 1.43 | | 5.56 | | | | 1.17 | | 1.30 | | 10.77 | |
| 154.0 | 19 09.17 | | 18 52.49 | | 18 43.86 | | 22 46.91 | | | | 24 54.51 | | 21 20.74 | | 41 37.10 | |
| | 4.29 | | 2.10 | | 1.39 | | 5.52 | | | | 1.13 | | 1.25 | | 10.71 | |
| 155.0 | 19 13.47 | | | | 18 45.22 | | 22 52.41 | | | | 24 55.62 | | 21 21.97 | | 41 47.78 | |
| | 4.31 | | | | 1.34 | | 5.49 | | | | 1.09 | | 1.21 | | 10.65 | |
| 156.0 | 19 17.79 | | | | 18 46.54 | | 22 57.88 | | | | 24 56.69 | | 21 23.16 | | 41 58.41 | |
| | 4.33 | | | | 1.29 | | 5.45 | | | | 1.05 | | 1.17 | | 10.60 | |
| 157.0 | 19 22.13 | | | | 18 47.81 | | 23 03.32 | | | | 24 57.72 | | 21 24.30 | | 42 08.98 | |
| | 4.34 | | | | 1.25 | | 5.42 | | | | 1.01 | | 1.12 | | 10.54 | |
| 158.0 | 19 26.48 | | | | 18 49.03 | | 23 08.72 | | | | 24 58.71 | | 21 25.40 | | 42 19.49 | |
| | 4.36 | | | | 1.20 | | 5.38 | | | | 0.97 | | 1.08 | | 10.48 | |
| 159.0 | 19 30.84 | | | | 18 50.21 | | 23 14.08 | | | | 24 59.66 | | 21 26.46 | | 42 29.94 | |
| | 4.37 | | | | 1.15 | | 5.34 | | | | 0.92 | | 1.03 | | 10.42 | |
| 160.0 | 19 35.22 | | | | 18 51.33 | | 23 19.40 | | | | 25 00.56 | | 21 27.46 | | 42 40.33 | |
| | 4.38 | | | | 1.10 | | 5.30 | | | | 0.88 | | 0.98 | | 10.36 | |

| Delta | PKPab | PKPbc | PKPdf | PP | SKSac | SKSdf | SKP | SS |
|--------------|------------------|-------|------------------|------------------|-------|------------------|------------------|-------------------|
| | m s | m s | m s | m s | m s | m s | m s | m s |
| 160.0 | 19 35.22 4.38 | | 18 51.33 1.10 | 23 19.40 5.30 | | 25 00.56 0.88 | 21 27.46 0.98 | 42 40.33 10.36 |
| 161.0 | 19 39.60 4.39 | | 18 52.40 1.05 | 23 24.68 5.27 | | 25 01.42 0.84 | 21 28.43 0.94 | 42 50.66 10.30 |
| 162.0 | 19 44.00 4.40 | | 18 53.42 0.99 | 23 29.93 5.23 | | 25 02.24 0.80 | 21 29.34 0.89 | 43 00.93 10.23 |
| 163.0 | 19 48.40 4.41 | | 18 54.39 0.94 | 23 35.14 5.19 | | 25 03.01 0.75 | 21 30.20 0.84 | 43 11.13 10.17 |
| 164.0 | 19 52.81 4.41 | | 18 55.31 0.89 | 23 40.32 5.16 | | 25 03.74 0.71 | 21 31.02 0.79 | 43 21.27 10.11 |
| 165.0 | 19 57.23 4.42 | | 18 56.17 0.83 | 23 45.46 5.12 | | 25 04.43 0.67 | 21 31.79 0.74 | 43 31.36 10.05 |
| 166.0 | 20 01.65 4.42 | | 18 56.97 0.78 | 23 50.55 5.08 | | 25 05.08 0.62 | 21 32.51 0.70 | 43 41.38 9.99 |
| 167.0 | 20 06.07 4.43 | | 18 57.73 0.73 | 23 55.61 5.04 | | 25 05.68 0.58 | 21 33.18 0.65 | 43 51.34 9.93 |
| 168.0 | 20 10.50 4.43 | | 18 58.42 0.67 | 24 00.63 5.00 | | 25 06.24 0.53 | 21 33.81 0.60 | 44 01.24 9.87 |
| 169.0 | 20 14.94 4.44 | | 18 59.07 0.62 | 24 05.61 4.96 | | 25 06.75 0.49 | 21 34.38 0.55 | 44 11.07 9.81 |
| 170.0 | 20 19.38 4.44 | | 18 59.66 0.56 | 24 10.56 4.93 | | 25 07.22 0.45 | 21 34.90 0.50 | 44 20.85 9.74 |
| 171.0 | 20 23.82 4.44 | | 19 00.19 0.50 | 24 15.47 4.89 | | 25 07.64 0.40 | 21 35.38 0.45 | 44 30.56 9.68 |
| 172.0 | 20 28.26 4.44 | | 19 00.66 0.45 | 24 20.34 4.85 | | 25 08.02 0.36 | 21 35.80 0.40 | 44 40.21 9.62 |
| 173.0 | 20 32.70 4.44 | | 19 01.09 0.39 | 24 25.16 4.78 | | 25 08.36 0.31 | 21 36.18 0.35 | 44 49.79 9.55 |
| 174.0 | 20 37.15 4.45 | | 19 01.45 0.34 | 24 29.92 4.74 | | 25 08.65 0.27 | 21 36.50 0.30 | 44 59.31 9.49 |
| 175.0 | 20 41.59 4.45 | | 19 01.76 0.28 | 24 34.64 4.71 | | 25 08.89 0.22 | 21 36.78 0.25 | 45 08.77 9.42 |
| 176.0 | | | 19 02.01 0.22 | 24 39.34 4.69 | | 25 09.09 0.18 | 21 37.00 0.20 | 45 18.16 9.36 |
| 177.0 | | | 19 02.21 0.17 | 24 44.03 4.68 | | 25 09.25 0.13 | 21 37.18 0.15 | 45 27.48 9.29 |
| 178.0 | | | 19 02.35 0.11 | 24 48.70 4.66 | | 25 09.36 0.09 | 21 37.30 0.10 | 45 36.74 9.22 |
| 179.0 | | | 19 02.43 0.06 | 24 53.36 4.65 | | 25 09.43 0.04 | 21 37.38 0.05 | 45 45.93 9.16 |
| 180.0 | | | 19 02.46 | 24 58.01 4.64 | | 25 09.45 | 21 37.41 | 45 55.05 9.09 |

Summary Travel Time Charts

For depths 0, 100, 300, 600 km

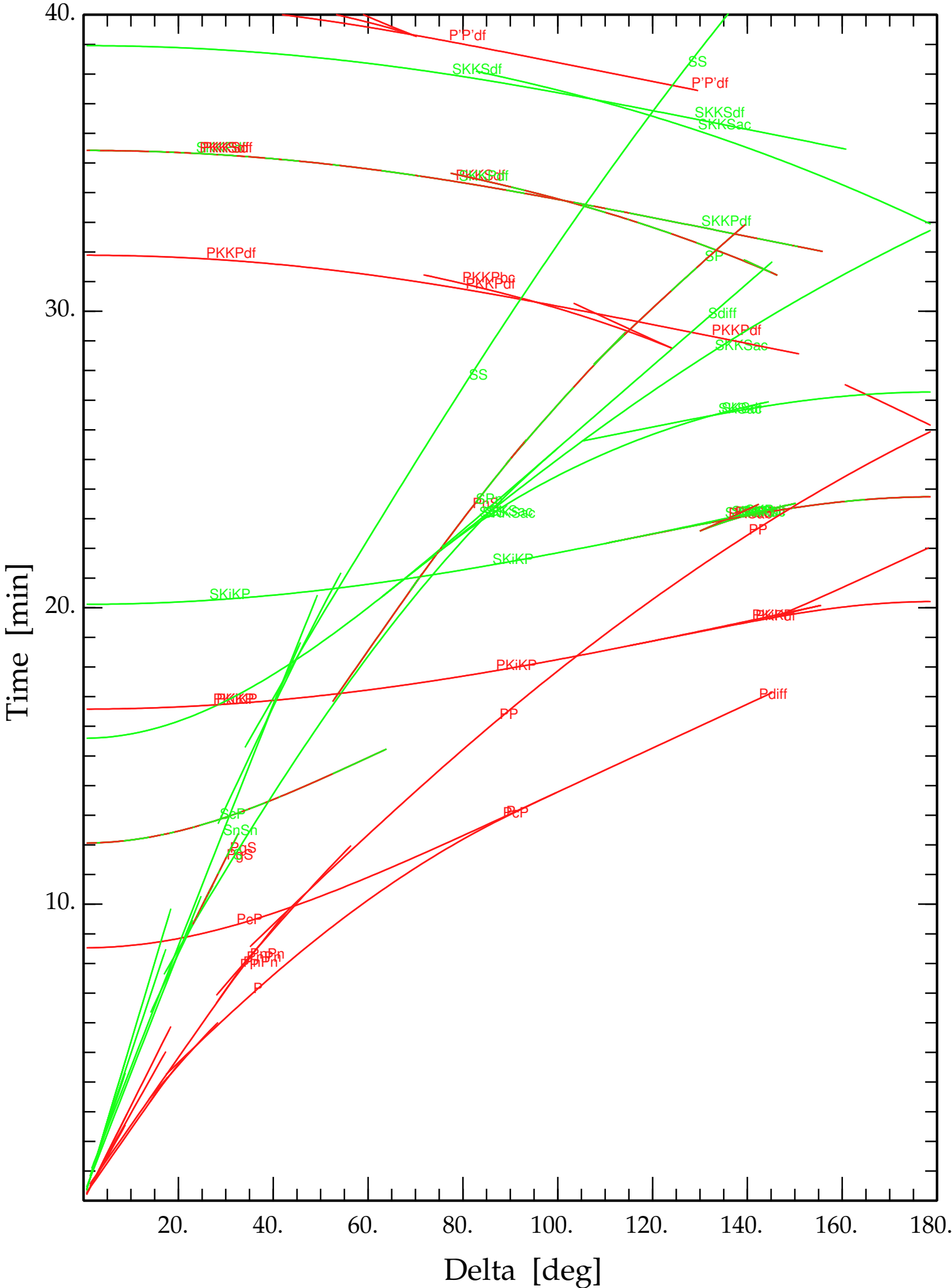
Time/Delta:

Slowness/Delta

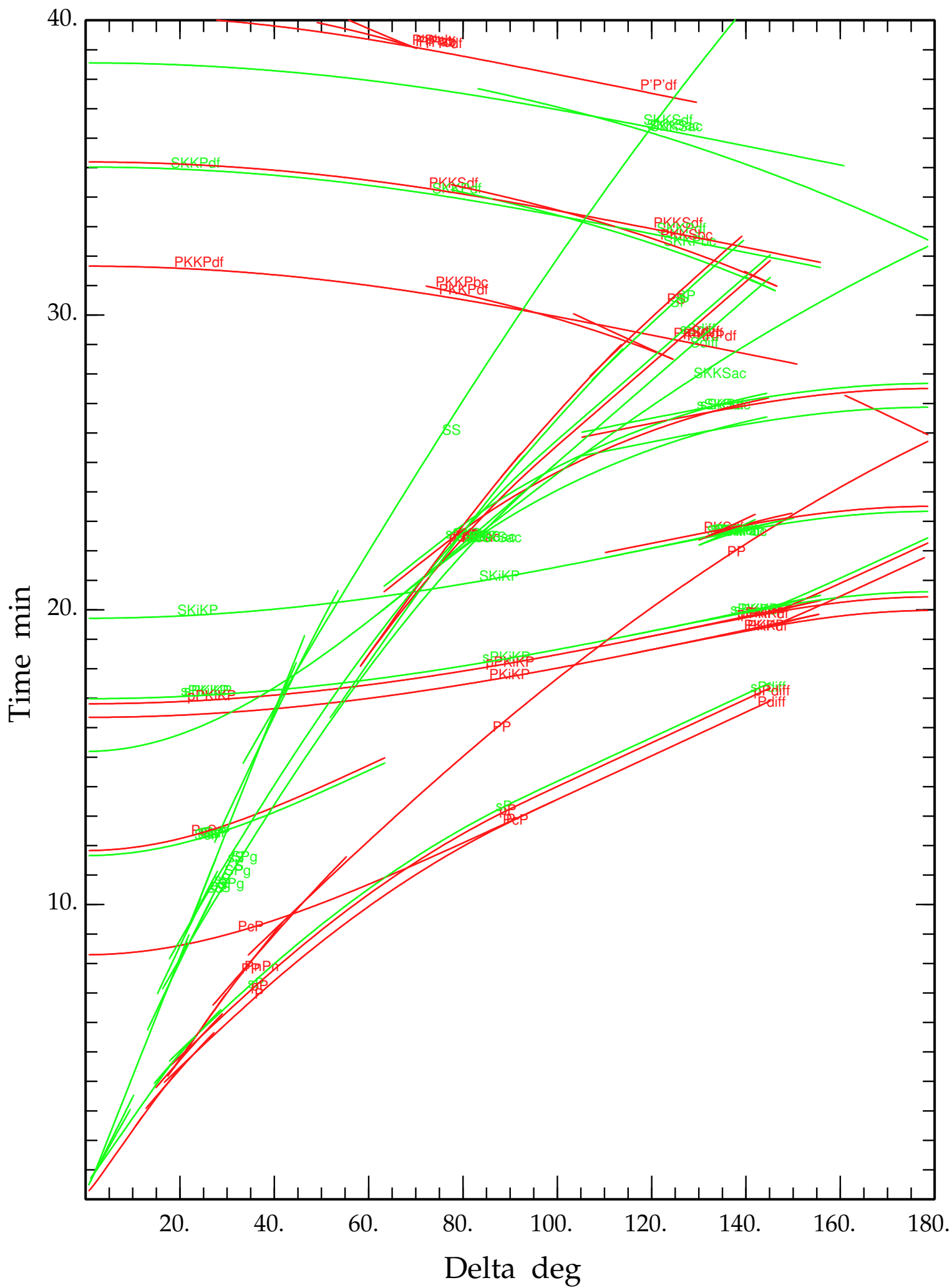
Tau/Slowness

Differential Times for major P-S phase pairs

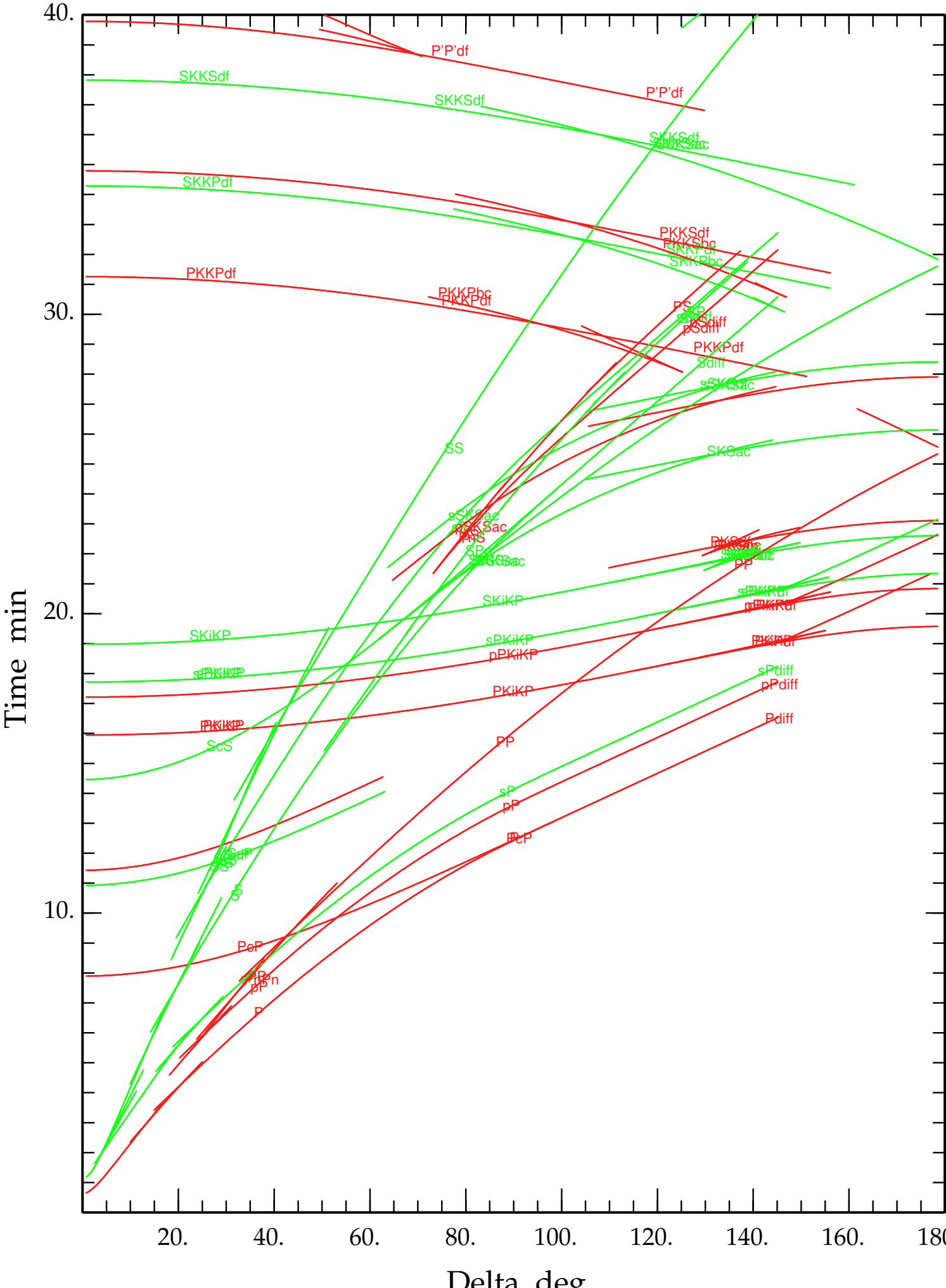
ak135 0 km depth



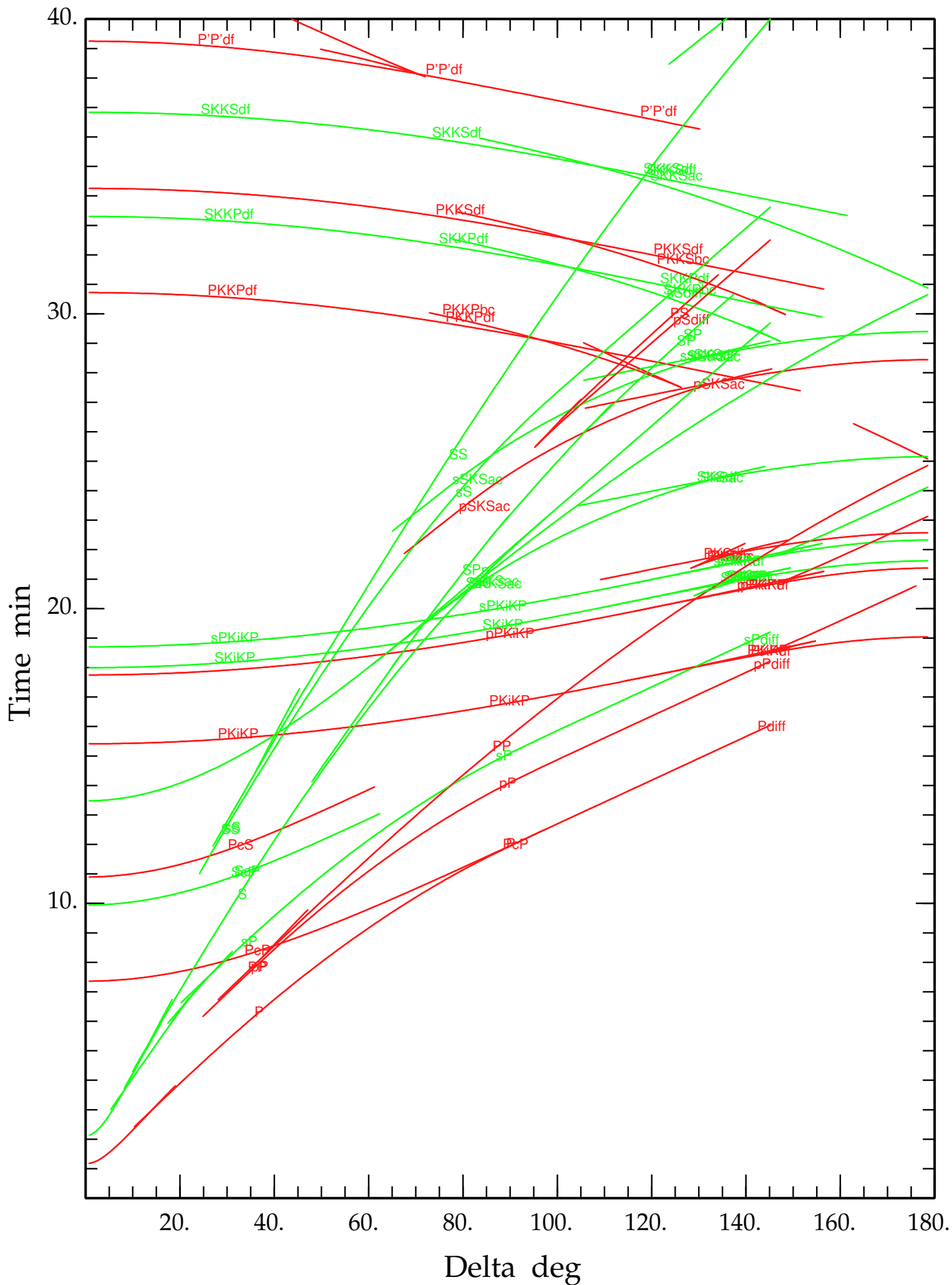
ak135 100 km depth



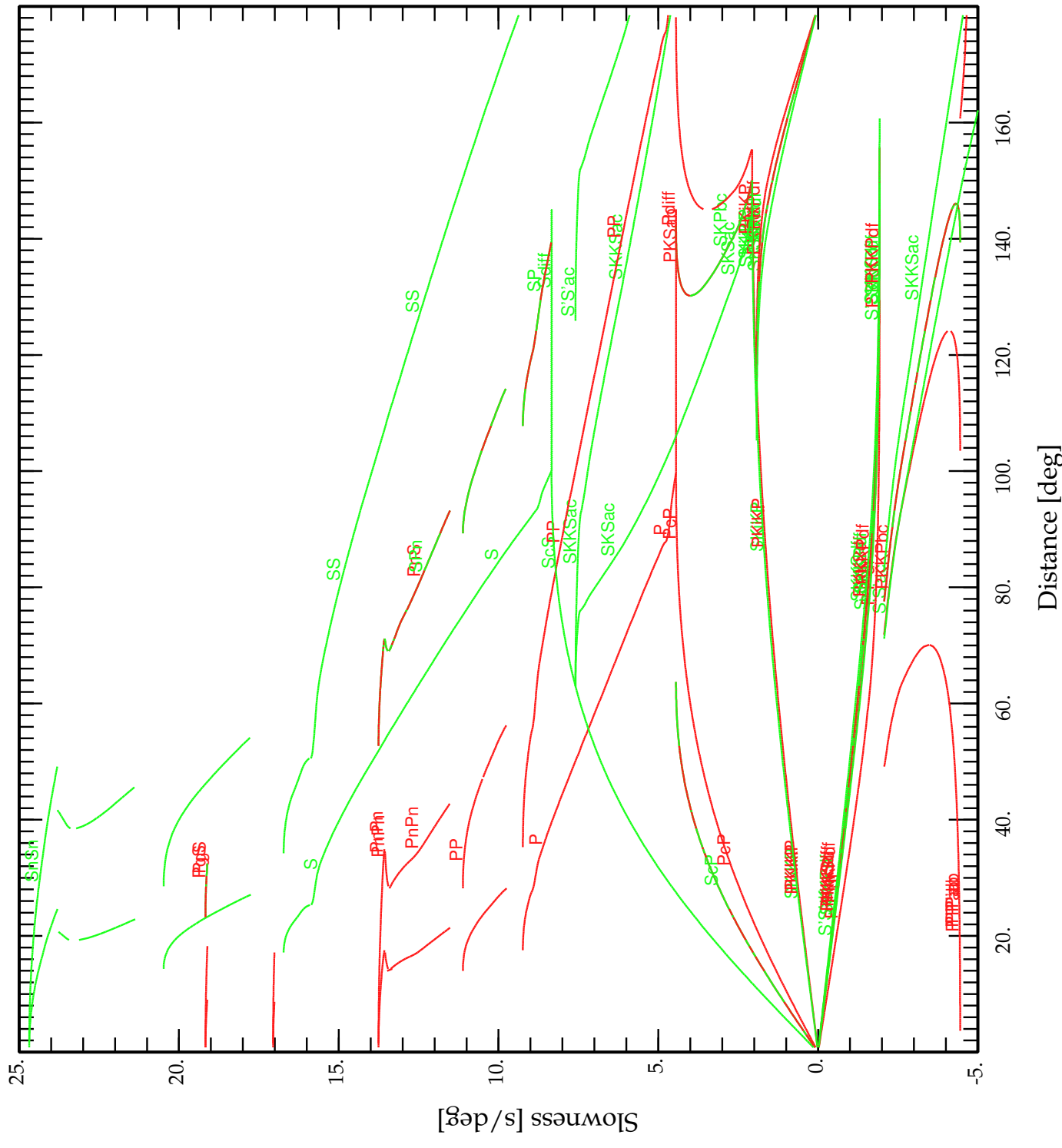
ak135 300 km depth



ak135 600 km depth

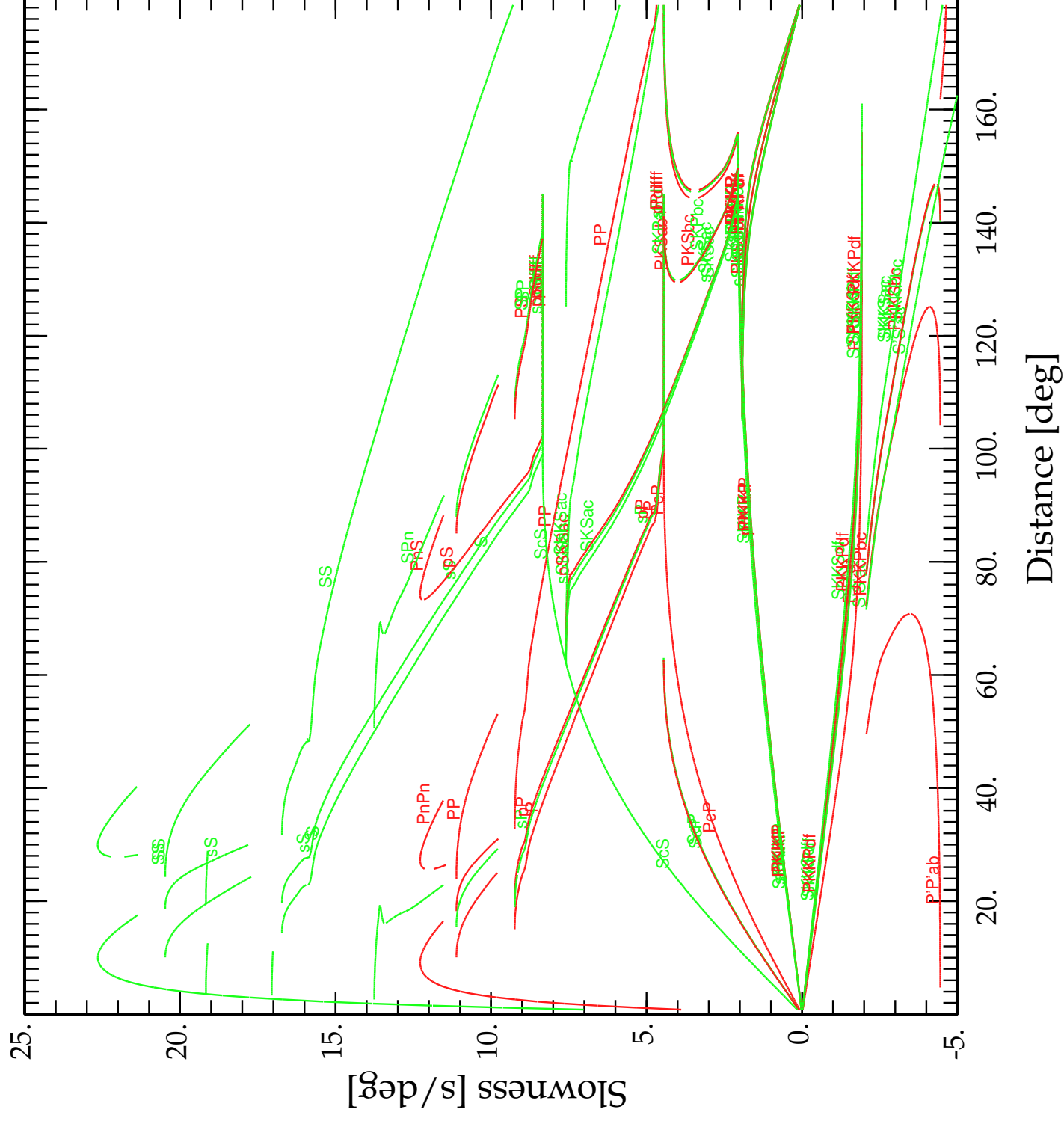


ak135 0 km depth

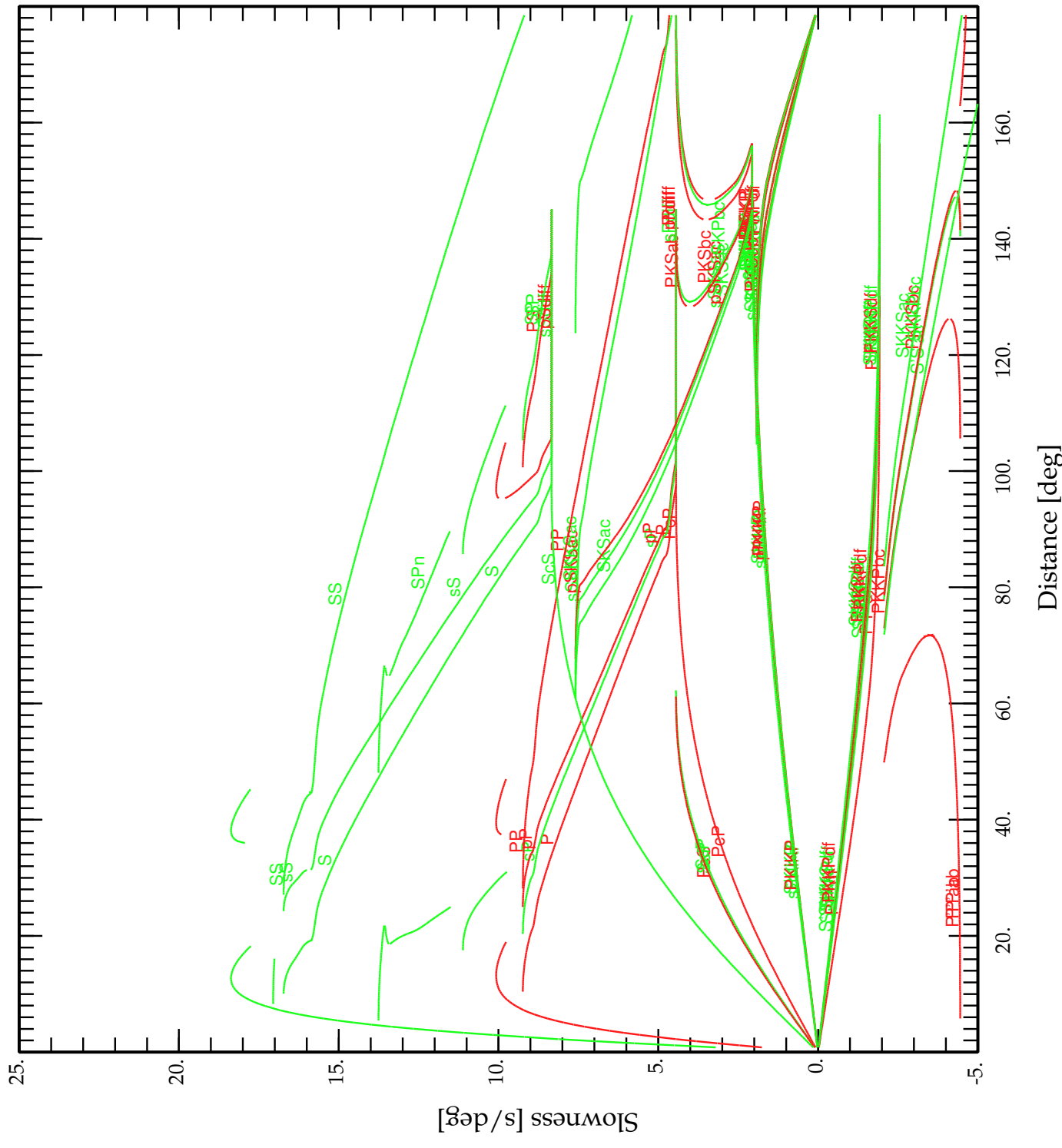


[illegible]

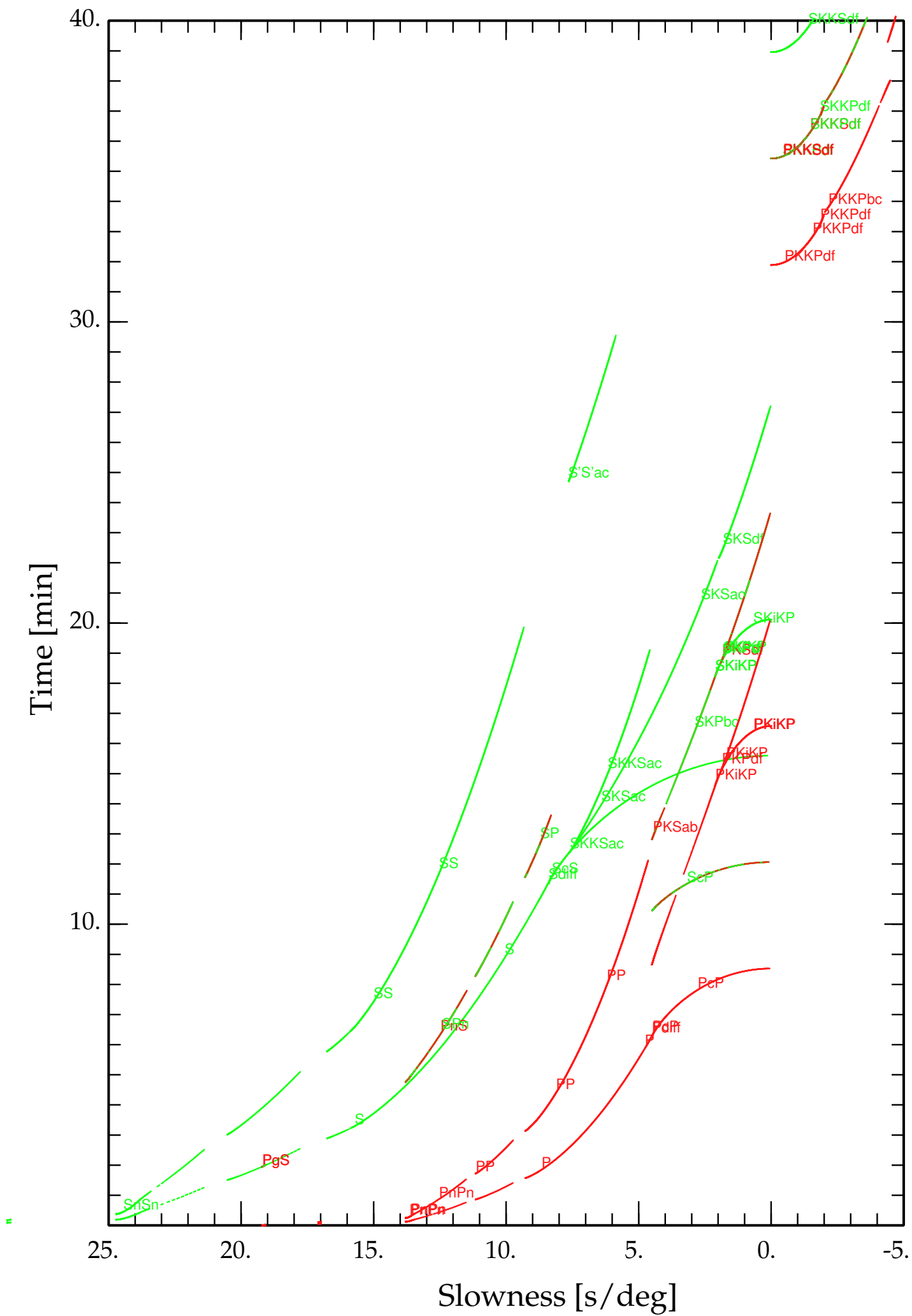
ak135 300 km depth



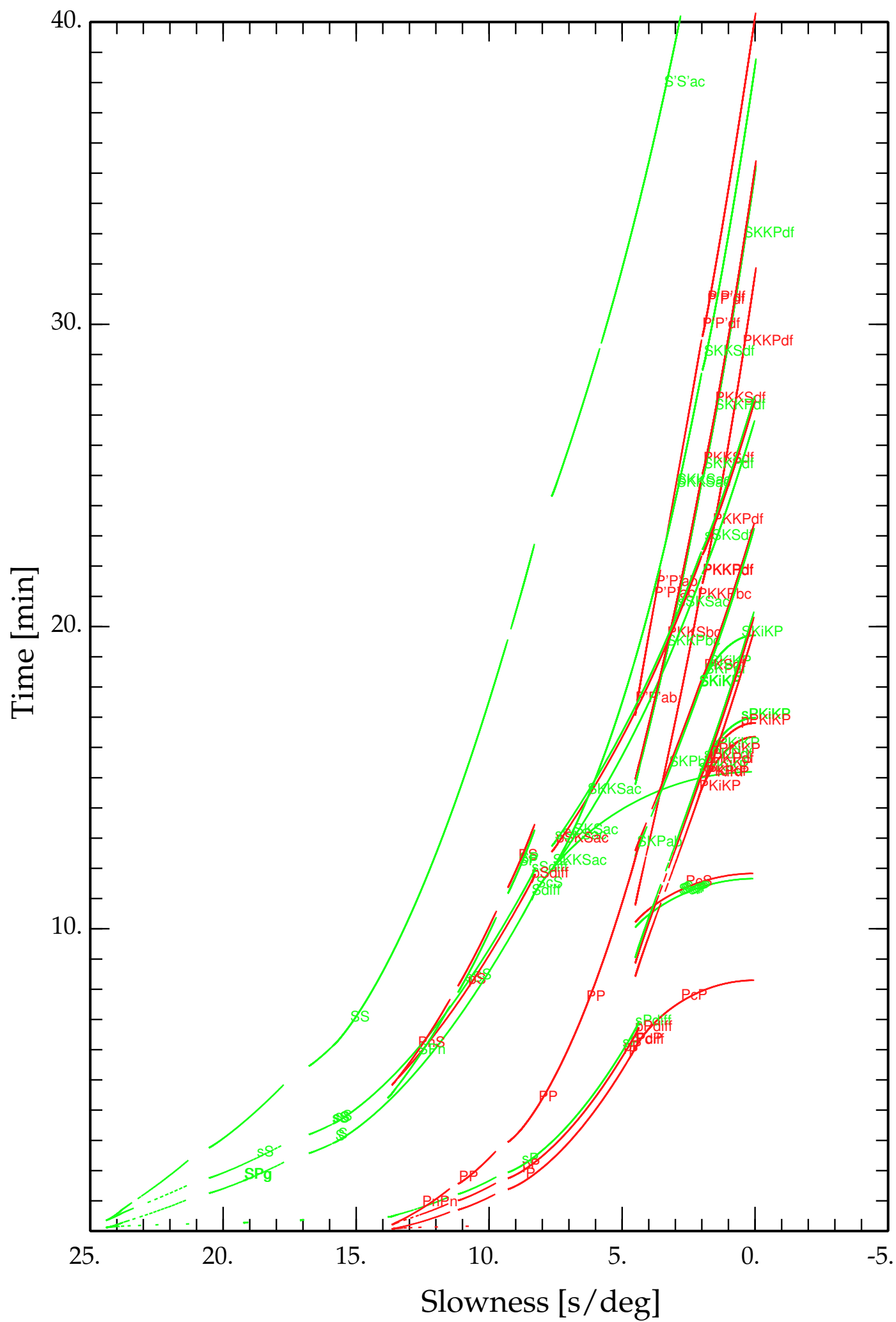
ak135 600 km depth



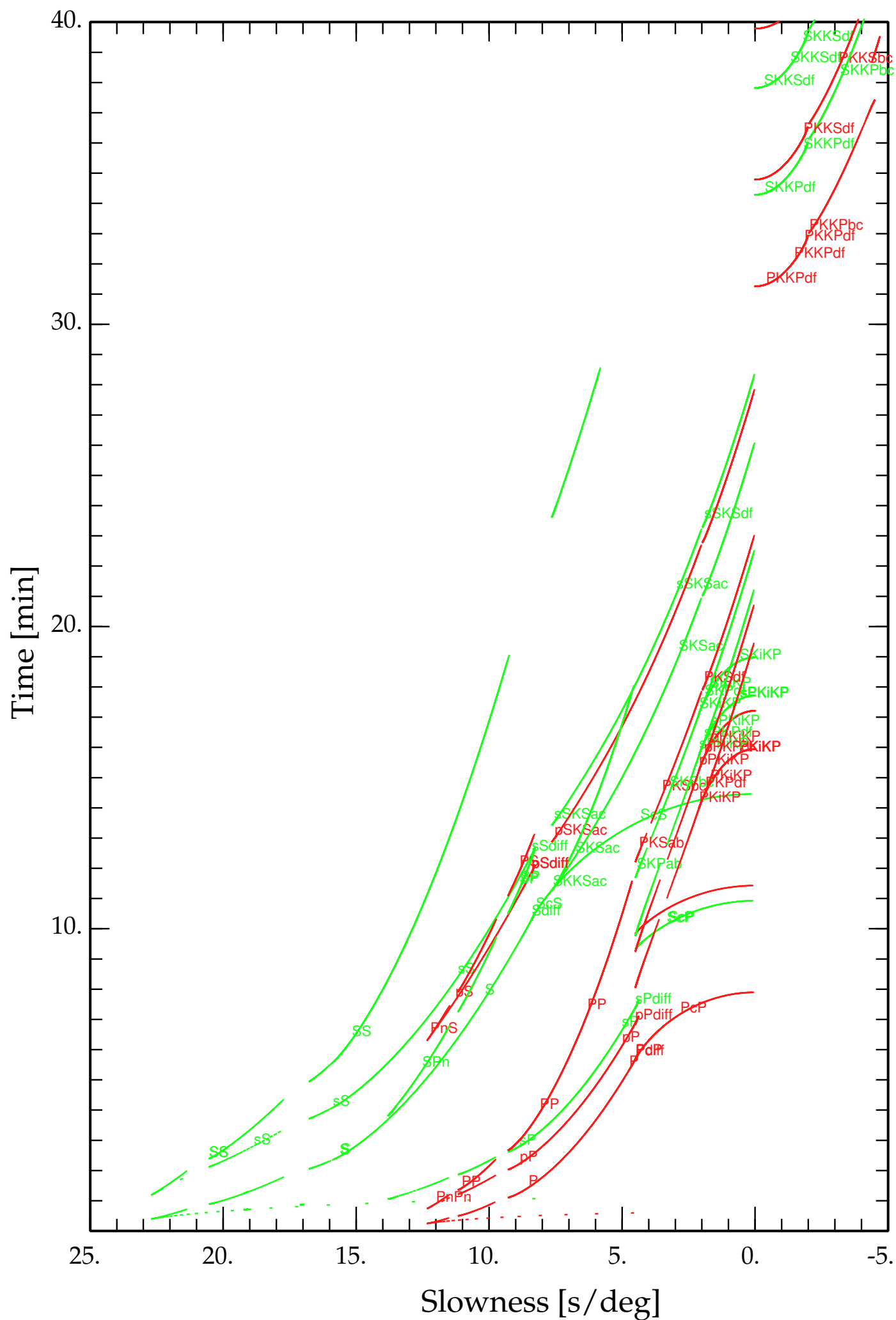
ak135 tau 0 km depth



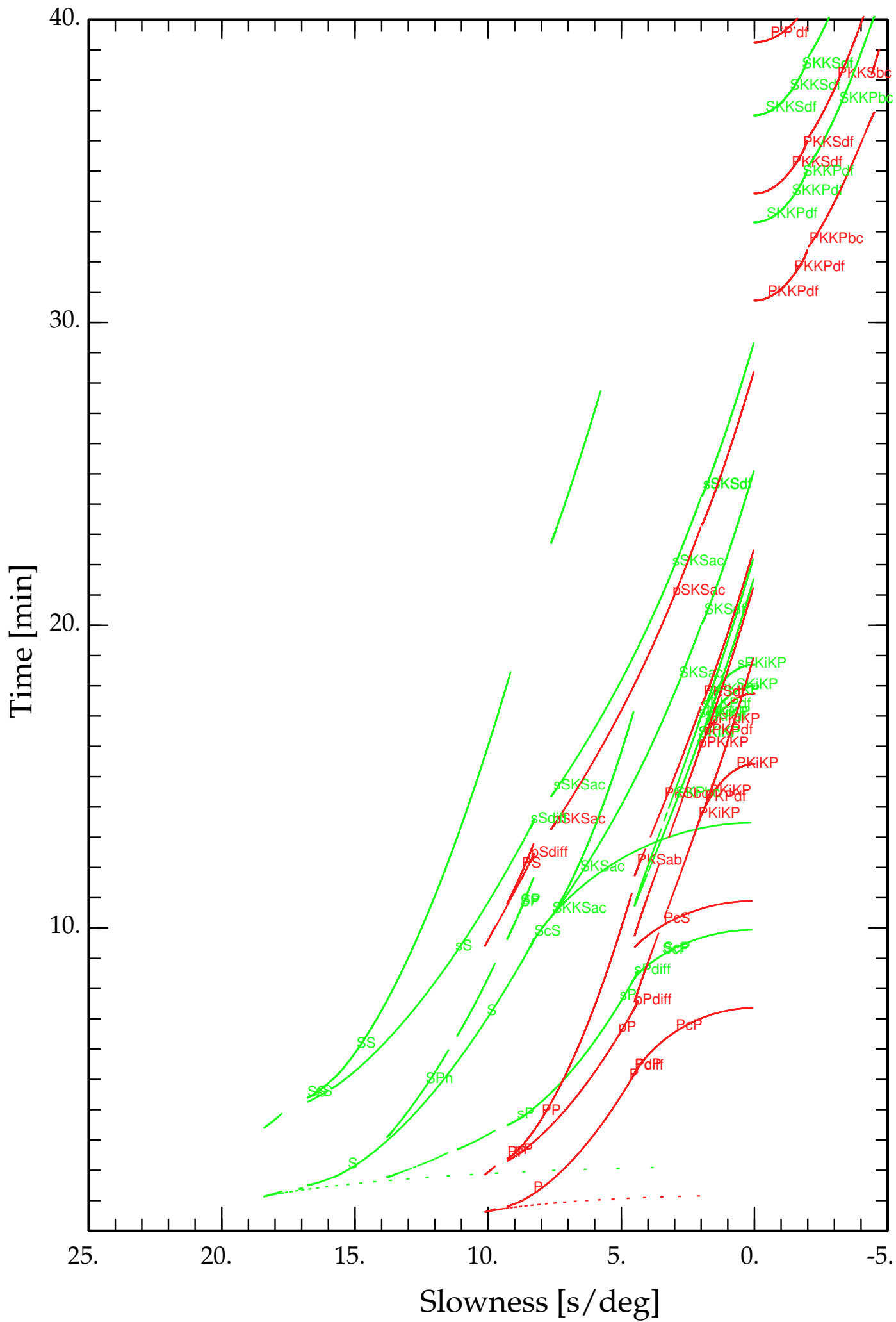
Tau 100 km depth

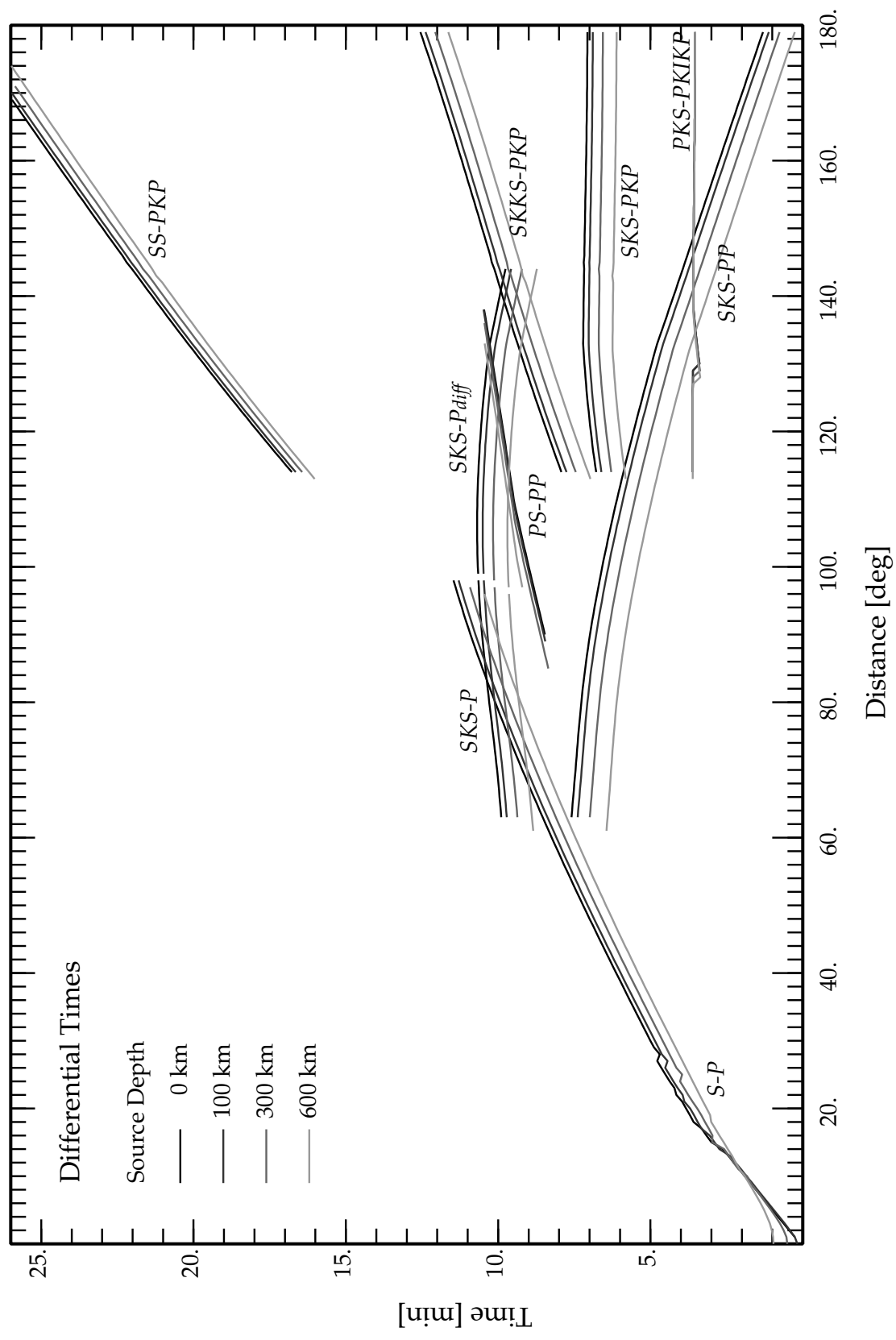


ak135 tau 300 km depth



ak135 tau 600 km depth





Ellipticity Correction Tables

These tables present the corrections for the ellipticity of the Earth at 5° intervals in the formulation of Dziewonski & Gilbert (1976) for the following phases:

Pup, P, Pdiff, PKPab, PKPbc, PKPdf, PKiKP
pP, pPKPab, pPKPbc, pPKPdf, pPKiKP
sP, sPKPab, sPKPbc, sPKPdf, sPKiKP
PcP, ScP, SKPab, SKPbc, SKPdf, SKiKP
PKKPab, PKKPbc, PKKPdf
SKKPab, SKKPbc, SKKPdf, PP, P'P'

Sup, S, Sdiff, SKSac, SKSdf,
pS, pSKSac, pSKSdf, sS, sSKSac, sSKSdf,
ScS, PcS, PKSab, PKSbc, PKSdf,
PKKSab, PKKSbc, PKKSdf, SKKSac, SKKSdf,
SS, S'S', SP, PS, PnS

at source depths of 0, 35, 50, 100, 200, 300 and 700 km.

For each source depth the values of the three correction coefficients τ_0, τ_1, τ_2 are given as a function of epicentral distance.

Ellipticity time correction

Consider a source with epicentral colatitude θ . For epicentral distance Δ and azimuth ζ , from the epicentre to the receiver:
the ellipticity correction in seconds is:

$$\delta t = \frac{1}{4}(1 + 3 \cos 2\theta)\tau_0(\Delta) + \frac{\sqrt{3}}{2}\sin 2\theta \cos \zeta \tau_1(\Delta) + \frac{\sqrt{3}}{2}\sin^2 \theta \cos 2\zeta \tau_2(\Delta)$$

and is to be added to the values for the spherically symmetric earth model presented in these tables.

ak135

| Ellipticity - Pup | | Depth of source [km] | | | | | |
|-------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | 0.00 | -0.05 | -0.09 | -0.13 | -0.20 | -0.27 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | 0.00 | -0.17 | -0.18 | -0.20 | -0.25 | -0.30 |
| | τ_1 | 0.00 | 0.04 | 0.08 | 0.11 | 0.14 | 0.15 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| 10.0 | τ_0 | 0.00 | -0.32 | -0.32 | -0.33 | -0.35 | -0.38 |
| | τ_1 | 0.00 | 0.01 | 0.06 | 0.09 | 0.14 | 0.18 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |

| Ellipticity - P | | Depth of source [km] | | | | | |
|-----------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 5.0 | τ_0 | -0.18 | -0.18 | -0.18 | -0.19 | -0.23 | -0.28 |
| | τ_1 | -0.01 | -0.05 | -0.09 | -0.14 | -0.20 | -0.24 |
| | τ_2 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 |
| 10.0 | τ_0 | -0.32 | -0.30 | -0.29 | -0.29 | -0.30 | -0.32 |
| | τ_1 | -0.05 | -0.10 | -0.14 | -0.18 | -0.24 | -0.29 |
| | τ_2 | -0.01 | -0.01 | -0.02 | -0.02 | -0.02 | -0.02 |
| 15.0 | τ_0 | -0.45 | -0.42 | -0.40 | -0.39 | -0.37 | -0.36 |
| | τ_1 | -0.10 | -0.14 | -0.18 | -0.22 | -0.29 | -0.33 |
| | τ_2 | -0.02 | -0.03 | -0.04 | -0.04 | -0.05 | -0.06 |
| 20.0 | τ_0 | -0.56 | -0.52 | -0.49 | -0.46 | -0.43 | -0.40 |
| | τ_1 | -0.16 | -0.20 | -0.23 | -0.27 | -0.32 | -0.38 |
| | τ_2 | -0.06 | -0.07 | -0.07 | -0.07 | -0.09 | -0.09 |
| 25.0 | τ_0 | -0.63 | -0.59 | -0.55 | -0.52 | -0.46 | -0.43 |
| | τ_1 | -0.23 | -0.26 | -0.28 | -0.31 | -0.37 | -0.43 |
| | τ_2 | -0.11 | -0.11 | -0.11 | -0.12 | -0.12 | -0.13 |
| 30.0 | τ_0 | -0.65 | -0.61 | -0.57 | -0.54 | -0.48 | -0.44 |
| | τ_1 | -0.28 | -0.31 | -0.34 | -0.36 | -0.42 | -0.47 |
| | τ_2 | -0.15 | -0.16 | -0.16 | -0.16 | -0.17 | -0.18 |
| 35.0 | τ_0 | -0.66 | -0.62 | -0.58 | -0.55 | -0.48 | -0.44 |
| | τ_1 | -0.33 | -0.36 | -0.38 | -0.41 | -0.46 | -0.51 |
| | τ_2 | -0.20 | -0.21 | -0.21 | -0.21 | -0.22 | -0.23 |
| 40.0 | τ_0 | -0.66 | -0.61 | -0.58 | -0.54 | -0.47 | -0.42 |
| | τ_1 | -0.37 | -0.39 | -0.42 | -0.44 | -0.49 | -0.53 |
| | τ_2 | -0.26 | -0.27 | -0.27 | -0.27 | -0.28 | -0.29 |
| 45.0 | τ_0 | -0.64 | -0.60 | -0.56 | -0.52 | -0.45 | -0.39 |
| | τ_1 | -0.39 | -0.42 | -0.44 | -0.46 | -0.50 | -0.54 |
| | τ_2 | -0.33 | -0.33 | -0.33 | -0.34 | -0.35 | -0.36 |
| 50.0 | τ_0 | -0.62 | -0.57 | -0.53 | -0.49 | -0.42 | -0.36 |
| | τ_1 | -0.40 | -0.42 | -0.44 | -0.46 | -0.50 | -0.54 |
| | τ_2 | -0.40 | -0.40 | -0.40 | -0.41 | -0.42 | -0.43 |
| 55.0 | τ_0 | -0.58 | -0.53 | -0.49 | -0.45 | -0.38 | -0.32 |
| | τ_1 | -0.39 | -0.40 | -0.42 | -0.44 | -0.48 | -0.51 |
| | τ_2 | -0.47 | -0.47 | -0.47 | -0.48 | -0.49 | -0.50 |
| 60.0 | τ_0 | -0.54 | -0.49 | -0.45 | -0.41 | -0.34 | -0.27 |
| | τ_1 | -0.35 | -0.37 | -0.38 | -0.40 | -0.43 | -0.46 |
| | τ_2 | -0.54 | -0.54 | -0.54 | -0.55 | -0.56 | -0.57 |
| 65.0 | τ_0 | -0.51 | -0.46 | -0.41 | -0.37 | -0.30 | -0.23 |
| | τ_1 | -0.29 | -0.31 | -0.32 | -0.34 | -0.37 | -0.39 |
| | τ_2 | -0.60 | -0.61 | -0.61 | -0.61 | -0.62 | -0.63 |
| 70.0 | τ_0 | -0.48 | -0.43 | -0.38 | -0.34 | -0.27 | -0.20 |
| | τ_1 | -0.22 | -0.23 | -0.24 | -0.26 | -0.28 | -0.30 |
| | τ_2 | -0.67 | -0.67 | -0.67 | -0.68 | -0.68 | -0.69 |
| 75.0 | τ_0 | -0.45 | -0.40 | -0.36 | -0.32 | -0.24 | -0.18 |
| | τ_1 | -0.12 | -0.13 | -0.14 | -0.16 | -0.18 | -0.20 |
| | τ_2 | -0.72 | -0.72 | -0.73 | -0.73 | -0.74 | -0.74 |
| 80.0 | τ_0 | -0.44 | -0.39 | -0.35 | -0.31 | -0.23 | -0.16 |
| | τ_1 | -0.01 | -0.02 | -0.03 | -0.04 | -0.06 | -0.07 |
| | τ_2 | -0.76 | -0.77 | -0.77 | -0.77 | -0.78 | -0.79 |

| | | | | | | | |
|-------------|----------|-------|-------|-------|-------|-------|-------|
| 85.0 | τ_0 | -0.45 | -0.40 | -0.35 | -0.31 | -0.24 | -0.17 |
| | τ_1 | 0.12 | 0.11 | 0.10 | 0.09 | 0.08 | 0.07 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.80 | -0.81 | -0.82 |
| 90.0 | τ_0 | -0.47 | -0.42 | -0.38 | -0.33 | -0.26 | -0.19 |
| | τ_1 | 0.26 | 0.25 | 0.24 | 0.23 | 0.21 | 0.19 |
| | τ_2 | -0.82 | -0.82 | -0.82 | -0.82 | -0.83 | -0.83 |
| 95.0 | τ_0 | -0.51 | -0.46 | -0.42 | -0.38 | -0.30 | -0.23 |
| | τ_1 | 0.37 | 0.37 | 0.36 | 0.35 | 0.33 | 0.32 |
| | τ_2 | -0.82 | -0.82 | -0.82 | -0.82 | -0.83 | -0.83 |

| Ellipticity - Pdiff | | Depth of source [km] | | | | | |
|---------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 100.0 | τ_0 | -0.57 | -0.52 | -0.47 | -0.43 | -0.35 | -0.28 |
| | τ_1 | 0.50 | 0.49 | 0.48 | 0.48 | 0.46 | 0.46 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 105.0 | τ_0 | -0.64 | -0.59 | -0.54 | -0.50 | -0.42 | -0.35 |
| | τ_1 | 0.63 | 0.62 | 0.61 | 0.61 | 0.60 | 0.59 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 |
| 110.0 | τ_0 | -0.73 | -0.68 | -0.63 | -0.59 | -0.51 | -0.44 |
| | τ_1 | 0.74 | 0.74 | 0.73 | 0.72 | 0.71 | 0.70 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 |
| 115.0 | τ_0 | -0.83 | -0.78 | -0.74 | -0.69 | -0.62 | -0.55 |
| | τ_1 | 0.84 | 0.83 | 0.82 | 0.82 | 0.81 | 0.80 |
| | τ_2 | -0.66 | -0.66 | -0.66 | -0.66 | -0.66 | -0.66 |
| 120.0 | τ_0 | -0.95 | -0.90 | -0.85 | -0.81 | -0.73 | -0.66 |
| | τ_1 | 0.91 | 0.90 | 0.90 | 0.89 | 0.88 | 0.87 |
| | τ_2 | -0.59 | -0.59 | -0.59 | -0.59 | -0.59 | -0.59 |
| 125.0 | τ_0 | -1.07 | -1.02 | -0.98 | -0.94 | -0.86 | -0.79 |
| | τ_1 | 0.96 | 0.95 | 0.95 | 0.94 | 0.93 | 0.92 |
| | τ_2 | -0.52 | -0.52 | -0.52 | -0.52 | -0.52 | -0.52 |
| 130.0 | τ_0 | -1.21 | -1.16 | -1.11 | -1.07 | -0.99 | -0.92 |
| | τ_1 | 0.98 | 0.98 | 0.97 | 0.96 | 0.95 | 0.94 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 135.0 | τ_0 | -1.34 | -1.29 | -1.25 | -1.20 | -1.13 | -1.06 |
| | τ_1 | 0.98 | 0.97 | 0.97 | 0.96 | 0.95 | 0.94 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.37 |
| 140.0 | τ_0 | -1.47 | -1.42 | -1.38 | -1.33 | -1.26 | -1.19 |
| | τ_1 | 0.95 | 0.94 | 0.93 | 0.93 | 0.92 | 0.91 |
| | τ_2 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 |
| 145.0 | τ_0 | -1.59 | -1.54 | -1.50 | -1.46 | -1.38 | -1.31 |
| | τ_1 | 0.89 | 0.88 | 0.88 | 0.87 | 0.86 | 0.85 |
| | τ_2 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 |
| 150.0 | τ_0 | -1.71 | -1.66 | -1.61 | -1.57 | -1.49 | -1.42 |
| | τ_1 | 0.81 | 0.80 | 0.80 | 0.79 | 0.78 | 0.77 |
| | τ_2 | -0.15 | -0.15 | -0.15 | -0.15 | -0.15 | -0.15 |

Ellipticity - PKPab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 145.0 | τ_0 | -1.91 | -1.84 | -1.79 | -1.74 | -1.65 | -1.56 |
| | τ_1 | 1.01 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 |
| | τ_2 | -0.40 | -0.41 | -0.42 | -0.42 | -0.43 | -0.44 |
| 150.0 | τ_0 | -1.94 | -1.89 | -1.84 | -1.80 | -1.72 | -1.64 |
| | τ_1 | 0.86 | 0.85 | 0.84 | 0.84 | 0.82 | 0.81 |
| | τ_2 | -0.39 | -0.39 | -0.40 | -0.40 | -0.41 | -0.41 |
| 155.0 | τ_0 | -2.02 | -1.96 | -1.92 | -1.88 | -1.80 | -1.72 |
| | τ_1 | 0.73 | 0.72 | 0.71 | 0.71 | 0.69 | 0.68 |
| | τ_2 | -0.37 | -0.37 | -0.37 | -0.37 | -0.38 | -0.39 |
| 160.0 | τ_0 | -2.08 | -2.03 | -1.99 | -1.94 | -1.86 | -1.79 |
| | τ_1 | 0.59 | 0.59 | 0.58 | 0.57 | 0.56 | 0.55 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.36 | -0.36 | -0.37 |
| 165.0 | τ_0 | -2.14 | -2.09 | -2.04 | -2.00 | -1.92 | -1.85 |
| | τ_1 | 0.45 | 0.44 | 0.44 | 0.43 | 0.42 | 0.41 |
| | τ_2 | -0.34 | -0.34 | -0.34 | -0.34 | -0.35 | -0.35 |
| 170.0 | τ_0 | -2.17 | -2.12 | -2.08 | -2.04 | -1.96 | -1.89 |
| | τ_1 | 0.30 | 0.29 | 0.29 | 0.28 | 0.27 | 0.26 |
| | τ_2 | -0.34 | -0.34 | -0.34 | -0.34 | -0.35 | -0.35 |
| 175.0 | τ_0 | -2.19 | -2.14 | -2.10 | -2.06 | -1.98 | -1.91 |
| | τ_1 | 0.15 | 0.14 | 0.14 | 0.13 | 0.12 | 0.11 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.36 | -0.36 |

Ellipticity - PKPbc
 Δ

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 145.0 | τ_0 | -1.92 | -1.89 | -1.85 | -1.82 | -1.75 | -1.70 |
| | τ_1 | 1.02 | 1.03 | 1.04 | 1.04 | 1.04 | 1.05 |
| | τ_2 | -0.40 | -0.39 | -0.39 | -0.39 | -0.38 | -0.38 |
| 150.0 | τ_0 | -2.16 | -2.11 | -2.07 | -2.03 | -1.96 | -1.89 |
| | τ_1 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 |
| | τ_2 | -0.28 | -0.28 | -0.28 | -0.28 | -0.29 | -0.28 |
| 155.0 | τ_0 | -2.32 | -2.27 | -2.23 | -2.19 | -2.12 | -2.05 |
| | τ_1 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 |
| | τ_2 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 |

Ellipticity - PKPdf

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 115.0 | τ_0 | -1.04 | -0.99 | -0.94 | -0.90 | -0.83 | -0.76 |
| | τ_1 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 0.97 |
| | τ_2 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.88 |
| 120.0 | τ_0 | -1.18 | -1.14 | -1.09 | -1.05 | -0.98 | -0.91 |
| | τ_1 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 |
| 125.0 | τ_0 | -1.35 | -1.30 | -1.26 | -1.21 | -1.14 | -1.07 |
| | τ_1 | 1.16 | 1.16 | 1.15 | 1.15 | 1.15 | 1.15 |
| | τ_2 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| 130.0 | τ_0 | -1.52 | -1.47 | -1.43 | -1.39 | -1.31 | -1.25 |
| | τ_1 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 |
| 135.0 | τ_0 | -1.69 | -1.64 | -1.60 | -1.56 | -1.49 | -1.42 |
| | τ_1 | 1.20 | 1.20 | 1.20 | 1.20 | 1.19 | 1.19 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 140.0 | τ_0 | -1.87 | -1.82 | -1.77 | -1.73 | -1.66 | -1.59 |
| | τ_1 | 1.17 | 1.17 | 1.17 | 1.17 | 1.16 | 1.16 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 145.0 | τ_0 | -2.03 | -1.99 | -1.94 | -1.90 | -1.83 | -1.76 |
| | τ_1 | 1.11 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |
| 150.0 | τ_0 | -2.19 | -2.14 | -2.10 | -2.06 | -1.99 | -1.92 |
| | τ_1 | 1.02 | 1.02 | 1.02 | 1.02 | 1.01 | 1.01 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 155.0 | τ_0 | -2.34 | -2.29 | -2.25 | -2.21 | -2.13 | -2.07 |
| | τ_1 | 0.90 | 0.90 | 0.90 | 0.90 | 0.89 | 0.89 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 |
| 160.0 | τ_0 | -2.46 | -2.42 | -2.37 | -2.33 | -2.26 | -2.19 |
| | τ_1 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 165.0 | τ_0 | -2.57 | -2.52 | -2.48 | -2.44 | -2.36 | -2.30 |
| | τ_1 | 0.59 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 170.0 | τ_0 | -2.64 | -2.59 | -2.55 | -2.51 | -2.44 | -2.37 |
| | τ_1 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 175.0 | τ_0 | -2.69 | -2.64 | -2.60 | -2.56 | -2.48 | -2.42 |
| | τ_1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -2.70 | -2.66 | -2.61 | -2.57 | -2.50 | -2.44 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - PKiKP

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -2.35 | -2.30 | -2.26 | -2.22 | -2.14 | -2.08 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -2.34 | -2.29 | -2.24 | -2.20 | -2.13 | -2.07 |
| | τ_1 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -2.29 | -2.25 | -2.20 | -2.16 | -2.09 | -2.02 |
| | τ_1 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 15.0 | τ_0 | -2.23 | -2.18 | -2.14 | -2.10 | -2.02 | -1.96 |
| | τ_1 | -0.51 | -0.51 | -0.51 | -0.51 | -0.51 | -0.51 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 20.0 | τ_0 | -2.13 | -2.09 | -2.04 | -2.00 | -1.93 | -1.87 |
| | τ_1 | -0.65 | -0.65 | -0.65 | -0.65 | -0.65 | -0.65 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 25.0 | τ_0 | -2.02 | -1.97 | -1.93 | -1.89 | -1.82 | -1.75 |
| | τ_1 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.78 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.20 |
| 30.0 | τ_0 | -1.89 | -1.84 | -1.80 | -1.76 | -1.69 | -1.62 |
| | τ_1 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 35.0 | τ_0 | -1.75 | -1.70 | -1.66 | -1.62 | -1.54 | -1.48 |
| | τ_1 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| 40.0 | τ_0 | -1.60 | -1.55 | -1.51 | -1.47 | -1.39 | -1.33 |
| | τ_1 | -0.97 | -0.97 | -0.97 | -0.98 | -0.98 | -0.98 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 45.0 | τ_0 | -1.44 | -1.39 | -1.35 | -1.31 | -1.24 | -1.17 |
| | τ_1 | -0.98 | -0.98 | -0.98 | -0.98 | -0.98 | -0.98 |
| | τ_2 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 |
| 50.0 | τ_0 | -1.29 | -1.24 | -1.20 | -1.16 | -1.08 | -1.02 |
| | τ_1 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.96 |
| | τ_2 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| 55.0 | τ_0 | -1.14 | -1.09 | -1.05 | -1.01 | -0.93 | -0.87 |
| | τ_1 | -0.89 | -0.89 | -0.89 | -0.89 | -0.90 | -0.90 |
| | τ_2 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 |
| 60.0 | τ_0 | -1.00 | -0.95 | -0.91 | -0.87 | -0.80 | -0.73 |
| | τ_1 | -0.80 | -0.80 | -0.80 | -0.80 | -0.81 | -0.81 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 65.0 | τ_0 | -0.88 | -0.83 | -0.79 | -0.75 | -0.67 | -0.61 |
| | τ_1 | -0.68 | -0.68 | -0.69 | -0.69 | -0.69 | -0.69 |
| | τ_2 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 |
| 70.0 | τ_0 | -0.78 | -0.73 | -0.69 | -0.65 | -0.57 | -0.51 |
| | τ_1 | -0.54 | -0.54 | -0.54 | -0.55 | -0.55 | -0.55 |
| | τ_2 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 |
| 75.0 | τ_0 | -0.70 | -0.65 | -0.61 | -0.57 | -0.49 | -0.43 |
| | τ_1 | -0.38 | -0.38 | -0.38 | -0.38 | -0.39 | -0.39 |
| | τ_2 | -1.00 | -1.01 | -1.01 | -1.01 | -1.01 | -1.01 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 80.0 | τ_0 | -0.64 | -0.59 | -0.55 | -0.51 | -0.44 | -0.37 |
| | τ_1 | -0.20 | -0.20 | -0.21 | -0.21 | -0.21 | -0.21 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 85.0 | τ_0 | -0.62 | -0.57 | -0.53 | -0.48 | -0.41 | -0.34 |
| | τ_1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.03 | -0.03 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 |
| 90.0 | τ_0 | -0.62 | -0.57 | -0.53 | -0.49 | -0.41 | -0.35 |
| | τ_1 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 |
| 95.0 | τ_0 | -0.65 | -0.60 | -0.56 | -0.52 | -0.44 | -0.38 |
| | τ_1 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 |
| | τ_2 | -1.06 | -1.06 | -1.06 | -1.06 | -1.06 | -1.06 |
| 100.0 | τ_0 | -0.71 | -0.66 | -0.62 | -0.58 | -0.50 | -0.44 |
| | τ_1 | 0.54 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 105.0 | τ_0 | -0.79 | -0.74 | -0.70 | -0.66 | -0.59 | -0.52 |
| | τ_1 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | 0.70 |
| | τ_2 | -0.99 | -0.99 | -1.00 | -1.00 | -1.00 | -1.00 |
| 110.0 | τ_0 | -0.90 | -0.85 | -0.81 | -0.77 | -0.70 | -0.63 |
| | τ_1 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.85 |
| | τ_2 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 |
| 115.0 | τ_0 | -1.03 | -0.99 | -0.94 | -0.90 | -0.83 | -0.76 |
| | τ_1 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.97 |
| | τ_2 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.88 |
| 120.0 | τ_0 | -1.18 | -1.13 | -1.09 | -1.05 | -0.98 | -0.91 |
| | τ_1 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 |
| 125.0 | τ_0 | -1.34 | -1.30 | -1.25 | -1.21 | -1.14 | -1.07 |
| | τ_1 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 |
| | τ_2 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| 130.0 | τ_0 | -1.51 | -1.47 | -1.42 | -1.38 | -1.31 | -1.24 |
| | τ_1 | 1.19 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.63 |
| 135.0 | τ_0 | -1.69 | -1.64 | -1.60 | -1.56 | -1.48 | -1.42 |
| | τ_1 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 140.0 | τ_0 | -1.86 | -1.81 | -1.77 | -1.73 | -1.66 | -1.59 |
| | τ_1 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 145.0 | τ_0 | -2.03 | -1.98 | -1.94 | -1.90 | -1.82 | -1.76 |
| | τ_1 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 |
| | τ_2 | -0.35 | -0.35 | -0.36 | -0.36 | -0.36 | -0.36 |
| 150.0 | τ_0 | -2.18 | -2.13 | -2.09 | -2.05 | -1.98 | -1.91 |
| | τ_1 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 |
| | τ_2 | -0.28 | -0.28 | -0.28 | -0.28 | -0.28 | -0.28 |
| 155.0 | τ_0 | -2.32 | -2.27 | -2.23 | -2.19 | -2.11 | -2.05 |
| | τ_1 | 0.89 | 0.89 | 0.88 | 0.89 | 0.88 | 0.88 |
| | τ_2 | -0.21 | -0.21 | -0.20 | -0.21 | -0.21 | -0.21 |

| Ellipticity - pP | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 20.0 | τ_0 | -0.56 | -0.59 | -0.61 | -0.61 | -0.62 | -0.63 |
| | τ_1 | -0.16 | -0.21 | -0.25 | -0.30 | -0.39 | -0.48 |
| | τ_2 | -0.06 | -0.06 | -0.06 | -0.07 | -0.06 | -0.06 |
| 25.0 | τ_0 | -0.63 | -0.67 | -0.68 | -0.69 | -0.73 | -0.78 |
| | τ_1 | -0.23 | -0.27 | -0.31 | -0.36 | -0.43 | -0.30 |
| | τ_2 | -0.06 | -0.11 | -0.10 | -0.10 | -0.13 | -0.16 |
| 30.0 | τ_0 | -0.65 | -0.70 | -0.73 | -0.75 | -0.76 | -0.78 |
| | τ_1 | -0.28 | -0.32 | -0.36 | -0.40 | -0.48 | -0.57 |
| | τ_2 | -0.15 | -0.15 | -0.15 | -0.15 | -0.17 | -0.19 |
| 35.0 | τ_0 | -0.66 | -0.71 | -0.74 | -0.77 | -0.79 | -0.81 |
| | τ_1 | -0.33 | -0.37 | -0.41 | -0.44 | -0.53 | -0.61 |
| | τ_2 | -0.20 | -0.20 | -0.20 | -0.20 | -0.22 | -0.23 |
| 40.0 | τ_0 | -0.66 | -0.70 | -0.74 | -0.77 | -0.79 | -0.74 |
| | τ_1 | -0.37 | -0.41 | -0.44 | -0.48 | -0.57 | -0.66 |
| | τ_2 | -0.26 | -0.26 | -0.26 | -0.26 | -0.27 | -0.31 |
| 45.0 | τ_0 | -0.64 | -0.69 | -0.73 | -0.76 | -0.79 | -0.76 |
| | τ_1 | -0.39 | -0.43 | -0.47 | -0.50 | -0.59 | -0.68 |
| | τ_2 | -0.33 | -0.32 | -0.32 | -0.32 | -0.33 | -0.36 |
| 50.0 | τ_0 | -0.62 | -0.66 | -0.70 | -0.73 | -0.77 | -0.76 |
| | τ_1 | -0.40 | -0.43 | -0.47 | -0.51 | -0.59 | -0.69 |
| | τ_2 | -0.40 | -0.39 | -0.39 | -0.39 | -0.40 | -0.42 |
| 55.0 | τ_0 | -0.58 | -0.63 | -0.67 | -0.70 | -0.75 | -0.75 |
| | τ_1 | -0.39 | -0.42 | -0.46 | -0.49 | -0.58 | -0.67 |
| | τ_2 | -0.47 | -0.46 | -0.46 | -0.46 | -0.46 | -0.48 |
| 60.0 | τ_0 | -0.54 | -0.59 | -0.63 | -0.67 | -0.72 | -0.73 |
| | τ_1 | -0.35 | -0.38 | -0.42 | -0.46 | -0.54 | -0.63 |
| | τ_2 | -0.54 | -0.53 | -0.53 | -0.53 | -0.53 | -0.54 |
| 65.0 | τ_0 | -0.51 | -0.56 | -0.60 | -0.63 | -0.69 | -0.71 |
| | τ_1 | -0.29 | -0.33 | -0.36 | -0.40 | -0.48 | -0.57 |
| | τ_2 | -0.60 | -0.60 | -0.60 | -0.60 | -0.60 | -0.61 |
| 70.0 | τ_0 | -0.48 | -0.52 | -0.56 | -0.60 | -0.66 | -0.69 |
| | τ_1 | -0.22 | -0.25 | -0.28 | -0.32 | -0.39 | -0.48 |
| | τ_2 | -0.67 | -0.66 | -0.66 | -0.66 | -0.66 | -0.67 |
| 75.0 | τ_0 | -0.45 | -0.50 | -0.54 | -0.58 | -0.64 | -0.68 |
| | τ_1 | -0.12 | -0.15 | -0.18 | -0.22 | -0.29 | -0.38 |
| | τ_2 | -0.72 | -0.72 | -0.71 | -0.71 | -0.71 | -0.72 |
| 80.0 | τ_0 | -0.44 | -0.49 | -0.53 | -0.57 | -0.63 | -0.68 |
| | τ_1 | -0.01 | -0.04 | -0.07 | -0.10 | -0.17 | -0.25 |
| | τ_2 | -0.76 | -0.76 | -0.76 | -0.76 | -0.76 | -0.76 |
| 85.0 | τ_0 | -0.45 | -0.50 | -0.54 | -0.58 | -0.64 | -0.69 |
| | τ_1 | 0.12 | 0.09 | 0.07 | 0.03 | -0.03 | -0.11 |
| | τ_2 | -0.80 | -0.79 | -0.79 | -0.79 | -0.79 | -0.79 |
| 90.0 | τ_0 | -0.47 | -0.52 | -0.56 | -0.60 | -0.67 | -0.72 |
| | τ_1 | 0.26 | 0.23 | 0.20 | 0.18 | 0.11 | 0.04 |
| | τ_2 | -0.82 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 95.0 | τ_0 | -0.51 | -0.56 | -0.60 | -0.64 | -0.71 | -0.76 |
| | τ_1 | 0.37 | 0.35 | 0.32 | 0.30 | 0.24 | 0.17 |
| | τ_2 | -0.82 | -0.82 | -0.81 | -0.81 | -0.81 | -0.82 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 100.0 | τ_0 | -0.57 | -0.62 | -0.66 | -0.70 | -0.77 | -0.82 |
| | τ_1 | 0.50 | 0.47 | 0.45 | 0.42 | 0.36 | 0.29 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| | | | | | | | |

Ellipticity - pPKPab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 145.0 | τ_0 | -1.91 | -1.95 | -2.00 | -2.04 | -2.12 | -2.19 |
| | τ_1 | 1.01 | 0.98 | 0.96 | 0.93 | 0.86 | 0.80 |
| | τ_2 | -0.40 | -0.40 | -0.40 | -0.39 | -0.38 | -0.37 |
| 150.0 | τ_0 | -1.94 | -1.99 | -2.04 | -2.08 | -2.16 | -2.23 |
| | τ_1 | 0.86 | 0.84 | 0.81 | 0.79 | 0.74 | 0.69 |
| | τ_2 | -0.39 | -0.39 | -0.39 | -0.39 | -0.38 | -0.38 |
| 155.0 | τ_0 | -2.02 | -2.07 | -2.11 | -2.15 | -2.23 | -2.29 |
| | τ_1 | 0.73 | 0.70 | 0.68 | 0.66 | 0.60 | 0.54 |
| | τ_2 | -0.37 | -0.37 | -0.36 | -0.36 | -0.36 | -0.36 |
| 160.0 | τ_0 | -2.08 | -2.13 | -2.18 | -2.22 | -2.29 | -2.35 |
| | τ_1 | 0.59 | 0.57 | 0.54 | 0.52 | 0.46 | 0.40 |
| | τ_2 | -0.35 | -0.35 | -0.34 | -0.34 | -0.34 | -0.34 |
| 165.0 | τ_0 | -2.14 | -2.19 | -2.23 | -2.27 | -2.34 | -2.40 |
| | τ_1 | 0.45 | 0.43 | 0.40 | 0.37 | 0.31 | 0.25 |
| | τ_2 | -0.34 | -0.34 | -0.33 | -0.33 | -0.33 | -0.33 |
| 170.0 | τ_0 | -2.17 | -2.22 | -2.27 | -2.31 | -2.38 | -2.43 |
| | τ_1 | 0.30 | 0.28 | 0.25 | 0.22 | 0.16 | 0.10 |
| | τ_2 | -0.34 | -0.34 | -0.33 | -0.33 | -0.33 | -0.34 |
| 175.0 | τ_0 | -2.19 | -2.24 | -2.28 | -2.32 | -2.39 | -2.45 |
| | τ_1 | 0.15 | 0.12 | 0.10 | 0.07 | 0.01 | -0.06 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |

Ellipticity - pPKPbc

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 145.0 | τ_0 | -1.92 | -1.98 | -2.02 | -2.07 | -2.15 | -2.22 |
| | τ_1 | 1.02 | 1.01 | 0.98 | 0.95 | 0.89 | 0.82 |
| | τ_2 | -0.40 | -0.39 | -0.39 | -0.38 | -0.37 | -0.36 |
| 150.0 | τ_0 | -2.16 | -2.20 | -2.25 | -2.29 | -2.35 | -2.41 |
| | τ_1 | 1.00 | 0.98 | 0.97 | 0.95 | 0.91 | 0.86 |
| | τ_2 | -0.28 | -0.28 | -0.28 | -0.28 | -0.29 | -0.29 |
| 155.0 | τ_0 | -2.32 | -2.37 | -2.41 | -2.45 | -2.52 | -2.58 |
| | τ_1 | 0.89 | 0.87 | 0.86 | 0.85 | 0.81 | 0.78 |
| | τ_2 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 |

Ellipticity - pPKPdf

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 115.0 | τ_0 | -1.04 | -1.09 | -1.14 | -1.18 | -1.26 | -1.33 |
| | τ_1 | 0.99 | 0.98 | 0.97 | 0.96 | 0.93 | 0.91 |
| | τ_2 | -0.87 | -0.86 | -0.86 | -0.86 | -0.85 | -0.84 |
| 120.0 | τ_0 | -1.18 | -1.23 | -1.27 | -1.32 | -1.39 | -1.45 |
| | τ_1 | 1.09 | 1.07 | 1.06 | 1.05 | 1.02 | 0.99 |
| | τ_2 | -0.80 | -0.80 | -0.79 | -0.79 | -0.79 | -0.80 |
| 125.0 | τ_0 | -1.35 | -1.39 | -1.44 | -1.48 | -1.55 | -1.61 |
| | τ_1 | 1.16 | 1.15 | 1.13 | 1.12 | 1.09 | 1.06 |
| | τ_2 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| 130.0 | τ_0 | -1.52 | -1.57 | -1.61 | -1.65 | -1.72 | -1.78 |
| | τ_1 | 1.20 | 1.18 | 1.17 | 1.16 | 1.13 | 1.10 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 |
| 135.0 | τ_0 | -1.69 | -1.74 | -1.78 | -1.82 | -1.90 | -1.96 |
| | τ_1 | 1.20 | 1.19 | 1.18 | 1.16 | 1.14 | 1.11 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 140.0 | τ_0 | -1.87 | -1.91 | -1.96 | -2.00 | -2.07 | -2.13 |
| | τ_1 | 1.17 | 1.16 | 1.15 | 1.14 | 1.11 | 1.08 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 145.0 | τ_0 | -2.03 | -2.08 | -2.12 | -2.17 | -2.24 | -2.30 |
| | τ_1 | 1.11 | 1.10 | 1.09 | 1.08 | 1.05 | 1.02 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |
| 150.0 | τ_0 | -2.19 | -2.24 | -2.28 | -2.32 | -2.40 | -2.46 |
| | τ_1 | 1.02 | 1.01 | 1.00 | 0.99 | 0.96 | 0.94 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 155.0 | τ_0 | -2.34 | -2.39 | -2.43 | -2.47 | -2.54 | -2.61 |
| | τ_1 | 0.90 | 0.89 | 0.88 | 0.87 | 0.85 | 0.83 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 |
| 160.0 | τ_0 | -2.46 | -2.51 | -2.55 | -2.59 | -2.67 | -2.73 |
| | τ_1 | 0.75 | 0.75 | 0.74 | 0.73 | 0.71 | 0.69 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 165.0 | τ_0 | -2.57 | -2.61 | -2.66 | -2.70 | -2.77 | -2.83 |
| | τ_1 | 0.59 | 0.58 | 0.58 | 0.57 | 0.56 | 0.54 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 170.0 | τ_0 | -2.64 | -2.69 | -2.73 | -2.77 | -2.85 | -2.91 |
| | τ_1 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.37 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 175.0 | τ_0 | -2.69 | -2.74 | -2.78 | -2.82 | -2.89 | -2.96 |
| | τ_1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -2.70 | -2.75 | -2.80 | -2.84 | -2.91 | -2.97 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - pPKiKP

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -2.35 | -2.40 | -2.44 | -2.48 | -2.55 | -2.62 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -2.34 | -2.38 | -2.43 | -2.47 | -2.54 | -2.60 |
| | τ_1 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -2.29 | -2.34 | -2.38 | -2.42 | -2.50 | -2.56 |
| | τ_1 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.36 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 15.0 | τ_0 | -2.23 | -2.27 | -2.32 | -2.36 | -2.43 | -2.50 |
| | τ_1 | -0.51 | -0.51 | -0.51 | -0.51 | -0.52 | -0.52 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 20.0 | τ_0 | -2.13 | -2.18 | -2.23 | -2.27 | -2.34 | -2.40 |
| | τ_1 | -0.65 | -0.65 | -0.66 | -0.66 | -0.66 | -0.67 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 25.0 | τ_0 | -2.02 | -2.07 | -2.11 | -2.15 | -2.23 | -2.29 |
| | τ_1 | -0.77 | -0.77 | -0.78 | -0.78 | -0.79 | -0.80 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 |
| 30.0 | τ_0 | -1.89 | -1.94 | -1.98 | -2.02 | -2.10 | -2.16 |
| | τ_1 | -0.87 | -0.87 | -0.88 | -0.88 | -0.89 | -0.90 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 35.0 | τ_0 | -1.75 | -1.80 | -1.84 | -1.88 | -1.95 | -2.02 |
| | τ_1 | -0.94 | -0.94 | -0.94 | -0.95 | -0.96 | -0.97 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| 40.0 | τ_0 | -1.60 | -1.65 | -1.69 | -1.73 | -1.80 | -1.87 |
| | τ_1 | -0.97 | -0.98 | -0.98 | -0.99 | -1.00 | -1.01 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 45.0 | τ_0 | -1.44 | -1.49 | -1.53 | -1.57 | -1.65 | -1.71 |
| | τ_1 | -0.98 | -0.98 | -0.99 | -0.99 | -1.01 | -1.02 |
| | τ_2 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 |
| 50.0 | τ_0 | -1.29 | -1.34 | -1.38 | -1.42 | -1.49 | -1.56 |
| | τ_1 | -0.95 | -0.96 | -0.96 | -0.97 | -0.98 | -1.00 |
| | τ_2 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| 55.0 | τ_0 | -1.14 | -1.19 | -1.23 | -1.27 | -1.34 | -1.41 |
| | τ_1 | -0.89 | -0.90 | -0.90 | -0.91 | -0.93 | -0.94 |
| | τ_2 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 |
| 60.0 | τ_0 | -1.00 | -1.05 | -1.09 | -1.13 | -1.21 | -1.27 |
| | τ_1 | -0.80 | -0.81 | -0.81 | -0.82 | -0.84 | -0.86 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 65.0 | τ_0 | -0.88 | -0.93 | -0.97 | -1.01 | -1.08 | -1.15 |
| | τ_1 | -0.68 | -0.69 | -0.70 | -0.71 | -0.73 | -0.75 |
| | τ_2 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 |
| 70.0 | τ_0 | -0.78 | -0.83 | -0.87 | -0.91 | -0.98 | -1.05 |
| | τ_1 | -0.54 | -0.55 | -0.56 | -0.57 | -0.59 | -0.61 |
| | τ_2 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 |
| 75.0 | τ_0 | -0.70 | -0.75 | -0.79 | -0.83 | -0.90 | -0.97 |
| | τ_1 | -0.38 | -0.39 | -0.40 | -0.41 | -0.43 | -0.45 |
| | τ_2 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 80.0 | τ_0 | -0.64 | -0.69 | -0.73 | -0.77 | -0.85 | -0.91 |
| | τ_1 | -0.20 | -0.21 | -0.22 | -0.23 | -0.25 | -0.28 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 85.0 | τ_0 | -0.62 | -0.67 | -0.71 | -0.75 | -0.82 | -0.89 |
| | τ_1 | -0.02 | -0.03 | -0.04 | -0.05 | -0.07 | -0.10 |
| | τ_2 | -1.07 | -1.07 | -1.06 | -1.06 | -1.06 | -1.06 |
| 90.0 | τ_0 | -0.62 | -0.67 | -0.71 | -0.75 | -0.82 | -0.89 |
| | τ_1 | 0.17 | 0.16 | 0.15 | 0.14 | 0.12 | 0.09 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 |
| 95.0 | τ_0 | -0.65 | -0.70 | -0.74 | -0.78 | -0.85 | -0.92 |
| | τ_1 | 0.36 | 0.35 | 0.34 | 0.33 | 0.30 | 0.27 |
| | τ_2 | -1.06 | -1.06 | -1.06 | -1.06 | -1.06 | -1.06 |
| 100.0 | τ_0 | -0.71 | -0.76 | -0.80 | -0.84 | -0.91 | -0.98 |
| | τ_1 | 0.54 | 0.53 | 0.52 | 0.51 | 0.48 | 0.45 |
| | τ_2 | -1.04 | -1.04 | -1.03 | -1.03 | -1.03 | -1.04 |
| 105.0 | τ_0 | -0.79 | -0.84 | -0.88 | -0.93 | -1.00 | -1.06 |
| | τ_1 | 0.71 | 0.70 | 0.69 | 0.67 | 0.65 | 0.62 |
| | τ_2 | -0.99 | -0.99 | -0.99 | -0.99 | -0.99 | -0.99 |
| 110.0 | τ_0 | -0.90 | -0.95 | -0.99 | -1.03 | -1.11 | -1.17 |
| | τ_1 | 0.86 | 0.85 | 0.84 | 0.82 | 0.80 | 0.76 |
| | τ_2 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 |
| 115.0 | τ_0 | -1.03 | -1.08 | -1.13 | -1.17 | -1.24 | -1.30 |
| | τ_1 | 0.98 | 0.97 | 0.96 | 0.95 | 0.92 | 0.89 |
| | τ_2 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 |
| 120.0 | τ_0 | -1.18 | -1.23 | -1.27 | -1.31 | -1.39 | -1.45 |
| | τ_1 | 1.08 | 1.07 | 1.06 | 1.05 | 1.02 | 0.99 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 |
| 125.0 | τ_0 | -1.34 | -1.39 | -1.44 | -1.48 | -1.55 | -1.61 |
| | τ_1 | 1.15 | 1.14 | 1.13 | 1.12 | 1.09 | 1.05 |
| | τ_2 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| 130.0 | τ_0 | -1.51 | -1.56 | -1.61 | -1.65 | -1.72 | -1.78 |
| | τ_1 | 1.19 | 1.18 | 1.17 | 1.15 | 1.12 | 1.09 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 |
| 135.0 | τ_0 | -1.69 | -1.74 | -1.78 | -1.82 | -1.89 | -1.96 |
| | τ_1 | 1.20 | 1.18 | 1.17 | 1.16 | 1.13 | 1.09 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 140.0 | τ_0 | -1.86 | -1.91 | -1.95 | -1.99 | -2.07 | -2.13 |
| | τ_1 | 1.17 | 1.15 | 1.14 | 1.13 | 1.10 | 1.06 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 145.0 | τ_0 | -2.03 | -2.08 | -2.12 | -2.16 | -2.23 | -2.29 |
| | τ_1 | 1.10 | 1.09 | 1.08 | 1.07 | 1.03 | 1.00 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |
| 150.0 | τ_0 | -2.18 | -2.23 | -2.27 | -2.31 | -2.39 | -2.45 |
| | τ_1 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.91 |
| | τ_2 | -0.28 | -0.27 | -0.27 | -0.27 | -0.27 | -0.28 |
| 155.0 | τ_0 | -2.32 | -2.37 | -2.41 | -2.45 | -2.52 | -2.59 |
| | τ_1 | 0.89 | 0.88 | 0.86 | 0.85 | 0.82 | 0.78 |
| | τ_2 | -0.21 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 |

| Ellipticity - sP | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 5.0 | τ_0 | -0.18 | -0.25 | -0.31 | -0.38 | -0.48 | -0.59 |
| | τ_1 | -0.01 | 0.03 | 0.08 | 0.13 | 0.22 | 0.30 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| 10.0 | τ_0 | -0.32 | -0.39 | -0.46 | -0.52 | -0.63 | -0.72 |
| | τ_1 | -0.05 | 0.00 | 0.05 | 0.09 | 0.18 | 0.27 |
| | τ_2 | -0.01 | -0.01 | -0.01 | 0.00 | 0.00 | 0.01 |
| 15.0 | τ_0 | -0.45 | -0.53 | -0.59 | -0.66 | -0.77 | -0.86 |
| | τ_1 | -0.10 | -0.06 | -0.01 | 0.03 | 0.12 | 0.21 |
| | τ_2 | -0.02 | -0.02 | -0.02 | -0.01 | -0.01 | 0.00 |
| 20.0 | τ_0 | -0.56 | -0.64 | -0.71 | -0.78 | -0.88 | -0.98 |
| | τ_1 | -0.16 | -0.13 | -0.09 | -0.06 | 0.04 | 0.14 |
| | τ_2 | -0.06 | -0.06 | -0.06 | -0.06 | -0.04 | -0.02 |
| 25.0 | τ_0 | -0.63 | -0.71 | -0.78 | -0.86 | -0.97 | -1.07 |
| | τ_1 | -0.23 | -0.20 | -0.17 | -0.14 | -0.06 | 0.01 |
| | τ_2 | -0.11 | -0.11 | -0.11 | -0.10 | -0.09 | -0.08 |
| 30.0 | τ_0 | -0.65 | -0.74 | -0.81 | -0.88 | -1.01 | -1.13 |
| | τ_1 | -0.28 | -0.25 | -0.23 | -0.20 | -0.15 | -0.10 |
| | τ_2 | -0.15 | -0.15 | -0.15 | -0.15 | -0.14 | -0.13 |
| 35.0 | τ_0 | -0.66 | -0.75 | -0.82 | -0.89 | -1.03 | -1.14 |
| | τ_1 | -0.33 | -0.30 | -0.28 | -0.25 | -0.20 | -0.15 |
| | τ_2 | -0.20 | -0.20 | -0.20 | -0.20 | -0.19 | -0.18 |
| 40.0 | τ_0 | -0.66 | -0.74 | -0.82 | -0.89 | -1.03 | -1.14 |
| | τ_1 | -0.37 | -0.34 | -0.32 | -0.29 | -0.25 | -0.20 |
| | τ_2 | -0.26 | -0.26 | -0.26 | -0.26 | -0.25 | -0.24 |
| 45.0 | τ_0 | -0.64 | -0.73 | -0.80 | -0.88 | -1.01 | -1.13 |
| | τ_1 | -0.39 | -0.37 | -0.35 | -0.32 | -0.28 | -0.24 |
| | τ_2 | -0.33 | -0.32 | -0.32 | -0.32 | -0.31 | -0.31 |
| 50.0 | τ_0 | -0.62 | -0.70 | -0.78 | -0.85 | -0.99 | -1.11 |
| | τ_1 | -0.40 | -0.38 | -0.36 | -0.33 | -0.29 | -0.25 |
| | τ_2 | -0.40 | -0.39 | -0.39 | -0.39 | -0.38 | -0.37 |
| 55.0 | τ_0 | -0.58 | -0.67 | -0.74 | -0.82 | -0.95 | -1.07 |
| | τ_1 | -0.39 | -0.37 | -0.34 | -0.32 | -0.29 | -0.25 |
| | τ_2 | -0.47 | -0.46 | -0.46 | -0.46 | -0.45 | -0.44 |
| 60.0 | τ_0 | -0.54 | -0.63 | -0.71 | -0.78 | -0.92 | -1.04 |
| | τ_1 | -0.35 | -0.33 | -0.31 | -0.29 | -0.26 | -0.23 |
| | τ_2 | -0.54 | -0.53 | -0.53 | -0.53 | -0.52 | -0.52 |
| 65.0 | τ_0 | -0.51 | -0.59 | -0.67 | -0.74 | -0.88 | -1.00 |
| | τ_1 | -0.29 | -0.28 | -0.26 | -0.24 | -0.21 | -0.18 |
| | τ_2 | -0.60 | -0.60 | -0.60 | -0.60 | -0.59 | -0.58 |
| 70.0 | τ_0 | -0.48 | -0.56 | -0.64 | -0.71 | -0.85 | -0.97 |
| | τ_1 | -0.22 | -0.20 | -0.18 | -0.17 | -0.14 | -0.11 |
| | τ_2 | -0.67 | -0.66 | -0.66 | -0.66 | -0.65 | -0.65 |
| 75.0 | τ_0 | -0.45 | -0.54 | -0.61 | -0.69 | -0.83 | -0.95 |
| | τ_1 | -0.12 | -0.11 | -0.09 | -0.08 | -0.05 | -0.03 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.71 | -0.71 | -0.70 |
| 80.0 | τ_0 | -0.44 | -0.53 | -0.60 | -0.68 | -0.82 | -0.94 |
| | τ_1 | -0.01 | 0.01 | 0.02 | 0.03 | 0.06 | 0.08 |
| | τ_2 | -0.76 | -0.76 | -0.76 | -0.76 | -0.75 | -0.75 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 85.0 | τ_0 | -0.45 | -0.53 | -0.61 | -0.68 | -0.82 | -0.94 |
| | τ_1 | 0.12 | 0.13 | 0.15 | 0.16 | 0.18 | 0.20 |
| | τ_2 | -0.80 | -0.79 | -0.79 | -0.79 | -0.79 | -0.78 |
| 90.0 | τ_0 | -0.47 | -0.56 | -0.63 | -0.71 | -0.85 | -0.97 |
| | τ_1 | 0.26 | 0.27 | 0.28 | 0.29 | 0.31 | 0.32 |
| | τ_2 | -0.82 | -0.82 | -0.81 | -0.81 | -0.81 | -0.80 |
| 95.0 | τ_0 | -0.51 | -0.59 | -0.67 | -0.75 | -0.88 | -1.01 |
| | τ_1 | 0.37 | 0.38 | 0.40 | 0.41 | 0.43 | 0.44 |
| | τ_2 | -0.82 | -0.82 | -0.82 | -0.81 | -0.81 | -0.81 |
| 100.0 | τ_0 | -0.57 | -0.65 | -0.73 | -0.81 | -0.94 | -1.06 |
| | τ_1 | 0.49 | 0.51 | 0.52 | 0.53 | 0.54 | 0.56 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.80 | -0.80 |

Ellipticity - sPKPab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 145.0 | τ_0 | -1.91 | -1.99 | -2.07 | -2.15 | -2.28 | -2.41 |
| | τ_1 | 1.01 | 1.01 | 1.02 | 1.03 | 1.02 | 1.03 |
| | τ_2 | -0.40 | -0.40 | -0.40 | -0.40 | -0.39 | -0.38 |
| | | | | | | | |
| 150.0 | τ_0 | -1.94 | -2.03 | -2.11 | -2.18 | -2.32 | -2.45 |
| | τ_1 | 0.86 | 0.87 | 0.88 | 0.89 | 0.90 | 0.92 |
| | τ_2 | -0.39 | -0.39 | -0.39 | -0.39 | -0.38 | -0.38 |
| | | | | | | | |
| 155.0 | τ_0 | -2.02 | -2.10 | -2.18 | -2.26 | -2.39 | -2.52 |
| | τ_1 | 0.73 | 0.74 | 0.75 | 0.76 | 0.77 | 0.79 |
| | τ_2 | -0.37 | -0.37 | -0.36 | -0.36 | -0.36 | -0.36 |
| | | | | | | | |
| 160.0 | τ_0 | -2.08 | -2.17 | -2.24 | -2.32 | -2.46 | -2.58 |
| | τ_1 | 0.59 | 0.60 | 0.61 | 0.62 | 0.64 | 0.65 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.34 | -0.34 | -0.34 |
| | | | | | | | |
| 165.0 | τ_0 | -2.14 | -2.22 | -2.30 | -2.37 | -2.51 | -2.63 |
| | τ_1 | 0.45 | 0.46 | 0.47 | 0.48 | 0.50 | 0.51 |
| | τ_2 | -0.34 | -0.34 | -0.34 | -0.33 | -0.33 | -0.33 |
| | | | | | | | |
| 170.0 | τ_0 | -2.17 | -2.26 | -2.34 | -2.41 | -2.55 | -2.67 |
| | τ_1 | 0.30 | 0.31 | 0.32 | 0.33 | 0.35 | 0.36 |
| | τ_2 | -0.34 | -0.34 | -0.34 | -0.33 | -0.33 | -0.33 |
| | | | | | | | |
| 175.0 | τ_0 | -2.19 | -2.28 | -2.35 | -2.43 | -2.57 | -2.69 |
| | τ_1 | 0.15 | 0.16 | 0.17 | 0.18 | 0.20 | 0.21 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.34 | -0.34 |
| | | | | | | | |

Ellipticity - sPKPbc

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 145.0 | τ_0 | -1.92 | -2.02 | -2.09 | -2.16 | -2.31 | -2.43 |
| | τ_1 | 1.02 | 1.03 | 1.04 | 1.04 | 1.05 | 1.04 |
| | τ_2 | -0.40 | -0.39 | -0.39 | -0.39 | -0.38 | -0.38 |
| 150.0 | τ_0 | -2.16 | -2.24 | -2.32 | -2.39 | -2.53 | -2.64 |
| | τ_1 | 1.00 | 1.00 | 1.01 | 1.01 | 1.02 | 1.02 |
| | τ_2 | -0.28 | -0.29 | -0.28 | -0.28 | -0.28 | -0.28 |
| 155.0 | τ_0 | -2.32 | -2.40 | -2.48 | -2.55 | -2.69 | -2.81 |
| | τ_1 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 |
| | τ_2 | -0.21 | -0.21 | -0.21 | -0.21 | -0.20 | -0.20 |

Ellipticity - sPKPdf

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 115.0 | τ_0 | -1.04 | -1.13 | -1.20 | -1.28 | -1.42 | -1.54 |
| | τ_1 | 0.99 | 0.99 | 1.00 | 1.00 | 1.01 | 1.02 |
| | τ_2 | -0.87 | -0.86 | -0.86 | -0.86 | -0.86 | -0.85 |
| 120.0 | τ_0 | -1.18 | -1.27 | -1.34 | -1.42 | -1.56 | -1.67 |
| | τ_1 | 1.09 | 1.09 | 1.09 | 1.10 | 1.10 | 1.11 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.79 | -0.79 | -0.79 |
| 125.0 | τ_0 | -1.35 | -1.43 | -1.51 | -1.58 | -1.72 | -1.84 |
| | τ_1 | 1.16 | 1.16 | 1.16 | 1.17 | 1.17 | 1.18 |
| | τ_2 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| 130.0 | τ_0 | -1.52 | -1.60 | -1.68 | -1.75 | -1.89 | -2.01 |
| | τ_1 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 |
| 135.0 | τ_0 | -1.69 | -1.78 | -1.85 | -1.93 | -2.06 | -2.18 |
| | τ_1 | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 | 1.22 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 140.0 | τ_0 | -1.87 | -1.95 | -2.03 | -2.10 | -2.24 | -2.36 |
| | τ_1 | 1.17 | 1.18 | 1.18 | 1.18 | 1.19 | 1.19 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 145.0 | τ_0 | -2.03 | -2.12 | -2.20 | -2.27 | -2.41 | -2.52 |
| | τ_1 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 | 1.13 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |
| 150.0 | τ_0 | -2.19 | -2.28 | -2.35 | -2.43 | -2.56 | -2.68 |
| | τ_1 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.26 |
| 155.0 | τ_0 | -2.34 | -2.42 | -2.50 | -2.57 | -2.71 | -2.83 |
| | τ_1 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 |
| 160.0 | τ_0 | -2.46 | -2.55 | -2.62 | -2.70 | -2.83 | -2.95 |
| | τ_1 | 0.75 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 165.0 | τ_0 | -2.57 | -2.65 | -2.73 | -2.80 | -2.94 | -3.05 |
| | τ_1 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.60 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 170.0 | τ_0 | -2.64 | -2.73 | -2.80 | -2.88 | -3.01 | -3.13 |
| | τ_1 | 0.40 | 0.40 | 0.40 | 0.40 | 0.41 | 0.41 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 175.0 | τ_0 | -2.69 | -2.77 | -2.85 | -2.92 | -3.06 | -3.18 |
| | τ_1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -2.70 | -2.79 | -2.87 | -2.94 | -3.08 | -3.19 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - sPKiKP

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -2.35 | -2.43 | -2.51 | -2.58 | -2.72 | -2.84 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -2.34 | -2.42 | -2.50 | -2.57 | -2.71 | -2.82 |
| | τ_1 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -2.29 | -2.38 | -2.45 | -2.53 | -2.66 | -2.78 |
| | τ_1 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.34 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 15.0 | τ_0 | -2.23 | -2.31 | -2.39 | -2.46 | -2.60 | -2.72 |
| | τ_1 | -0.51 | -0.51 | -0.51 | -0.50 | -0.50 | -0.50 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 20.0 | τ_0 | -2.13 | -2.22 | -2.30 | -2.37 | -2.51 | -2.62 |
| | τ_1 | -0.65 | -0.65 | -0.65 | -0.65 | -0.65 | -0.64 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 25.0 | τ_0 | -2.02 | -2.11 | -2.18 | -2.26 | -2.39 | -2.51 |
| | τ_1 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.76 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 |
| 30.0 | τ_0 | -1.89 | -1.98 | -2.05 | -2.13 | -2.26 | -2.38 |
| | τ_1 | -0.87 | -0.87 | -0.86 | -0.86 | -0.86 | -0.86 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 35.0 | τ_0 | -1.75 | -1.83 | -1.91 | -1.98 | -2.12 | -2.24 |
| | τ_1 | -0.94 | -0.93 | -0.93 | -0.93 | -0.93 | -0.93 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| 40.0 | τ_0 | -1.60 | -1.68 | -1.76 | -1.83 | -1.97 | -2.09 |
| | τ_1 | -0.97 | -0.97 | -0.97 | -0.97 | -0.96 | -0.96 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 45.0 | τ_0 | -1.44 | -1.53 | -1.60 | -1.68 | -1.81 | -1.93 |
| | τ_1 | -0.98 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 |
| | τ_2 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 |
| 50.0 | τ_0 | -1.29 | -1.37 | -1.45 | -1.52 | -1.66 | -1.78 |
| | τ_1 | -0.95 | -0.95 | -0.94 | -0.94 | -0.94 | -0.94 |
| | τ_2 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| 55.0 | τ_0 | -1.14 | -1.22 | -1.30 | -1.37 | -1.51 | -1.63 |
| | τ_1 | -0.89 | -0.89 | -0.88 | -0.88 | -0.88 | -0.88 |
| | τ_2 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 |
| 60.0 | τ_0 | -1.00 | -1.09 | -1.16 | -1.24 | -1.37 | -1.49 |
| | τ_1 | -0.80 | -0.80 | -0.79 | -0.79 | -0.79 | -0.79 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 65.0 | τ_0 | -0.88 | -0.96 | -1.04 | -1.12 | -1.25 | -1.37 |
| | τ_1 | -0.68 | -0.68 | -0.68 | -0.67 | -0.67 | -0.67 |
| | τ_2 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 |
| 70.0 | τ_0 | -0.78 | -0.86 | -0.94 | -1.01 | -1.15 | -1.27 |
| | τ_1 | -0.54 | -0.54 | -0.53 | -0.53 | -0.53 | -0.52 |
| | τ_2 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 |
| 75.0 | τ_0 | -0.70 | -0.78 | -0.86 | -0.93 | -1.07 | -1.19 |
| | τ_1 | -0.38 | -0.38 | -0.37 | -0.37 | -0.37 | -0.36 |
| | τ_2 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 80.0 | τ_0 | -0.64 | -0.73 | -0.80 | -0.88 | -1.01 | -1.13 |
| | τ_1 | -0.20 | -0.20 | -0.20 | -0.19 | -0.19 | -0.19 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 85.0 | τ_0 | -0.62 | -0.70 | -0.78 | -0.85 | -0.99 | -1.11 |
| | τ_1 | -0.02 | -0.01 | -0.01 | -0.01 | 0.00 | 0.00 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.06 | -1.06 | -1.06 |
| 90.0 | τ_0 | -0.62 | -0.70 | -0.78 | -0.85 | -0.99 | -1.11 |
| | τ_1 | 0.17 | 0.18 | 0.18 | 0.18 | 0.19 | 0.19 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 |
| 95.0 | τ_0 | -0.65 | -0.73 | -0.81 | -0.88 | -1.02 | -1.14 |
| | τ_1 | 0.36 | 0.36 | 0.37 | 0.37 | 0.38 | 0.38 |
| | τ_2 | -1.06 | -1.06 | -1.06 | -1.06 | -1.06 | -1.06 |
| 100.0 | τ_0 | -0.71 | -0.79 | -0.87 | -0.94 | -1.08 | -1.20 |
| | τ_1 | 0.54 | 0.55 | 0.55 | 0.55 | 0.56 | 0.56 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.03 | -1.03 | -1.03 |
| 105.0 | τ_0 | -0.79 | -0.88 | -0.95 | -1.03 | -1.17 | -1.28 |
| | τ_1 | 0.71 | 0.71 | 0.72 | 0.72 | 0.72 | 0.73 |
| | τ_2 | -0.99 | -0.99 | -0.99 | -0.99 | -0.99 | -0.99 |
| 110.0 | τ_0 | -0.90 | -0.99 | -1.06 | -1.14 | -1.27 | -1.39 |
| | τ_1 | 0.86 | 0.86 | 0.87 | 0.87 | 0.87 | 0.88 |
| | τ_2 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 | -0.94 |
| 115.0 | τ_0 | -1.03 | -1.12 | -1.20 | -1.27 | -1.41 | -1.52 |
| | τ_1 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 | 1.01 |
| | τ_2 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 |
| 120.0 | τ_0 | -1.18 | -1.27 | -1.34 | -1.42 | -1.55 | -1.67 |
| | τ_1 | 1.08 | 1.09 | 1.09 | 1.10 | 1.10 | 1.11 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.80 | -0.79 | -0.79 |
| 125.0 | τ_0 | -1.34 | -1.43 | -1.51 | -1.58 | -1.72 | -1.83 |
| | τ_1 | 1.15 | 1.16 | 1.16 | 1.17 | 1.17 | 1.18 |
| | τ_2 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| 130.0 | τ_0 | -1.51 | -1.60 | -1.68 | -1.75 | -1.89 | -2.01 |
| | τ_1 | 1.19 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 |
| 135.0 | τ_0 | -1.69 | -1.77 | -1.85 | -1.92 | -2.06 | -2.18 |
| | τ_1 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 140.0 | τ_0 | -1.86 | -1.95 | -2.02 | -2.10 | -2.23 | -2.35 |
| | τ_1 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 | 1.19 |
| | τ_2 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| 145.0 | τ_0 | -2.03 | -2.11 | -2.19 | -2.26 | -2.40 | -2.52 |
| | τ_1 | 1.10 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 | -0.35 |
| 150.0 | τ_0 | -2.18 | -2.27 | -2.34 | -2.42 | -2.55 | -2.67 |
| | τ_1 | 1.01 | 1.01 | 1.02 | 1.02 | 1.03 | 1.03 |
| | τ_2 | -0.28 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 155.0 | τ_0 | -2.32 | -2.41 | -2.48 | -2.56 | -2.69 | -2.81 |
| | τ_1 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.91 |
| | τ_2 | -0.21 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 |

Ellipticity - PcP

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -1.50 | -1.45 | -1.41 | -1.37 | -1.30 | -1.23 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -1.49 | -1.44 | -1.40 | -1.36 | -1.29 | -1.22 |
| | τ_1 | -0.11 | -0.11 | -0.11 | -0.12 | -0.12 | -0.12 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -1.46 | -1.41 | -1.37 | -1.33 | -1.26 | -1.19 |
| | τ_1 | -0.22 | -0.22 | -0.22 | -0.23 | -0.23 | -0.24 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 15.0 | τ_0 | -1.41 | -1.36 | -1.32 | -1.28 | -1.20 | -1.14 |
| | τ_1 | -0.32 | -0.32 | -0.33 | -0.33 | -0.33 | -0.34 |
| | τ_2 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 |
| 20.0 | τ_0 | -1.34 | -1.30 | -1.25 | -1.21 | -1.14 | -1.07 |
| | τ_1 | -0.40 | -0.41 | -0.41 | -0.42 | -0.42 | -0.43 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.11 | -0.11 |
| 25.0 | τ_0 | -1.26 | -1.21 | -1.17 | -1.13 | -1.06 | -0.99 |
| | τ_1 | -0.47 | -0.48 | -0.48 | -0.49 | -0.50 | -0.51 |
| | τ_2 | -0.16 | -0.16 | -0.16 | -0.16 | -0.16 | -0.16 |
| 30.0 | τ_0 | -1.17 | -1.12 | -1.08 | -1.04 | -0.96 | -0.90 |
| | τ_1 | -0.52 | -0.53 | -0.53 | -0.54 | -0.55 | -0.56 |
| | τ_2 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 |
| 35.0 | τ_0 | -1.08 | -1.03 | -0.98 | -0.94 | -0.87 | -0.80 |
| | τ_1 | -0.55 | -0.56 | -0.57 | -0.57 | -0.58 | -0.59 |
| | τ_2 | -0.28 | -0.28 | -0.28 | -0.29 | -0.29 | -0.29 |
| 40.0 | τ_0 | -0.98 | -0.93 | -0.88 | -0.84 | -0.77 | -0.70 |
| | τ_1 | -0.56 | -0.57 | -0.57 | -0.58 | -0.59 | -0.61 |
| | τ_2 | -0.35 | -0.35 | -0.35 | -0.36 | -0.36 | -0.36 |
| 45.0 | τ_0 | -0.88 | -0.83 | -0.78 | -0.74 | -0.67 | -0.60 |
| | τ_1 | -0.55 | -0.56 | -0.56 | -0.57 | -0.58 | -0.60 |
| | τ_2 | -0.42 | -0.42 | -0.42 | -0.43 | -0.43 | -0.43 |
| 50.0 | τ_0 | -0.78 | -0.73 | -0.69 | -0.65 | -0.57 | -0.50 |
| | τ_1 | -0.51 | -0.52 | -0.53 | -0.54 | -0.55 | -0.57 |
| | τ_2 | -0.49 | -0.49 | -0.49 | -0.50 | -0.50 | -0.50 |
| 55.0 | τ_0 | -0.69 | -0.65 | -0.60 | -0.56 | -0.48 | -0.42 |
| | τ_1 | -0.46 | -0.47 | -0.48 | -0.48 | -0.50 | -0.51 |
| | τ_2 | -0.56 | -0.56 | -0.56 | -0.56 | -0.56 | -0.57 |
| 60.0 | τ_0 | -0.62 | -0.57 | -0.52 | -0.48 | -0.41 | -0.34 |
| | τ_1 | -0.39 | -0.40 | -0.41 | -0.41 | -0.43 | -0.44 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.63 | -0.63 |
| 65.0 | τ_0 | -0.55 | -0.50 | -0.46 | -0.42 | -0.34 | -0.27 |
| | τ_1 | -0.30 | -0.31 | -0.32 | -0.33 | -0.34 | -0.36 |
| | τ_2 | -0.67 | -0.68 | -0.68 | -0.68 | -0.68 | -0.69 |
| 70.0 | τ_0 | -0.50 | -0.45 | -0.41 | -0.37 | -0.29 | -0.22 |
| | τ_1 | -0.20 | -0.21 | -0.22 | -0.23 | -0.24 | -0.26 |
| | τ_2 | -0.72 | -0.72 | -0.73 | -0.73 | -0.73 | -0.73 |
| 75.0 | τ_0 | -0.47 | -0.42 | -0.37 | -0.33 | -0.26 | -0.19 |
| | τ_1 | -0.09 | -0.10 | -0.11 | -0.12 | -0.13 | -0.15 |
| | τ_2 | -0.76 | -0.76 | -0.76 | -0.77 | -0.77 | -0.77 |

| | | | | | | | |
|-------------|----------|-------|-------|-------|-------|-------|-------|
| 80.0 | τ_0 | -0.45 | -0.40 | -0.36 | -0.32 | -0.24 | -0.17 |
| | τ_1 | 0.03 | 0.02 | 0.01 | 0.00 | -0.02 | -0.03 |
| | τ_2 | -0.79 | -0.79 | -0.79 | -0.80 | -0.80 | -0.80 |
| 85.0 | τ_0 | -0.45 | -0.40 | -0.36 | -0.32 | -0.24 | -0.17 |
| | τ_1 | 0.15 | 0.14 | 0.13 | 0.12 | 0.10 | 0.09 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.82 | -0.82 | -0.82 |
| 90.0 | τ_0 | -0.47 | -0.42 | -0.38 | -0.34 | -0.26 | -0.19 |
| | τ_1 | 0.27 | 0.26 | 0.25 | 0.24 | 0.22 | 0.21 |
| | τ_2 | -0.82 | -0.82 | -0.82 | -0.83 | -0.83 | -0.83 |

Ellipticity - ScP Δ

Depth of source [km]

0.

100.

200.

300.

500.

700.

0.0 τ_0

-2.12

-2.04

-1.96

-1.89

-1.75

-1.63

 τ_1

0.00

0.00

0.00

0.00

0.00

0.00

 τ_2

0.00

0.00

0.00

0.00

0.00

0.00

5.0 τ_0

-2.11

-2.03

-1.95

-1.88

-1.74

-1.62

 τ_1

-0.11

-0.11

-0.12

-0.12

-0.12

-0.12

 τ_2

-0.01

-0.01

-0.01

-0.01

-0.01

-0.01

10.0 τ_0

-2.08

-1.99

-1.92

-1.84

-1.71

-1.59

 τ_1

-0.22

-0.22

-0.23

-0.23

-0.23

-0.24

 τ_2

-0.03

-0.03

-0.03

-0.03

-0.03

-0.03

15.0 τ_0

-2.03

-1.94

-1.86

-1.79

-1.65

-1.54

 τ_1

-0.32

-0.32

-0.33

-0.33

-0.34

-0.35

 τ_2

-0.06

-0.06

-0.06

-0.06

-0.07

-0.07

20.0 τ_0

-1.96

-1.87

-1.80

-1.72

-1.58

-1.47

 τ_1

-0.40

-0.41

-0.41

-0.42

-0.43

-0.44

 τ_2

-0.11

-0.11

-0.11

-0.11

-0.11

-0.11

25.0 τ_0

-1.87

-1.79

-1.71

-1.64

-1.50

-1.38

 τ_1

-0.47

-0.47

-0.48

-0.48

-0.50

-0.51

 τ_2

-0.17

-0.17

-0.17

-0.17

-0.17

-0.17

30.0 τ_0

-1.78

-1.70

-1.62

-1.55

-1.41

-1.29

 τ_1

-0.51

-0.52

-0.53

-0.53

-0.55

-0.56

 τ_2

-0.23

-0.23

-0.23

-0.23

-0.23

-0.24

35.0 τ_0

-1.69

-1.60

-1.52

-1.45

-1.31

-1.19

 τ_1

-0.54

-0.55

-0.55

-0.56

-0.58

-0.59

 τ_2

-0.30

-0.30

-0.30

-0.30

-0.30

-0.31

40.0 τ_0

-1.59

-1.50

-1.42

-1.35

-1.21

-1.09

 τ_1

-0.54

-0.55

-0.56

-0.57

-0.58

-0.60

 τ_2

-0.37

-0.37

-0.37

-0.38

-0.38

-0.38

45.0 τ_0

-1.49

-1.40

-1.33

-1.25

-1.11

-0.99

 τ_1

-0.53

-0.54

-0.55

-0.55

-0.57

-0.59

 τ_2

-0.45

-0.45

-0.45

-0.45

-0.45

-0.45

50.0 τ_0

-1.40

-1.31

-1.23

-1.16

-1.02

-0.90

 τ_1

-0.49

-0.50

-0.51

-0.52

-0.54

-0.55

 τ_2

-0.52

-0.52

-0.52

-0.52

-0.52

-0.52

55.0 τ_0

-1.31

-1.23

-1.15

-1.07

-0.94

-0.82

 τ_1

-0.44

-0.45

-0.46

-0.47

-0.48

-0.50

 τ_2

-0.59

-0.59

-0.59

-0.59

-0.59

-0.59

60.0 τ_0

-1.23

-1.15

-1.07

-1.00

-0.86

-0.74

 τ_1

-0.37

-0.38

-0.39

-0.39

-0.41

-0.43

 τ_2

-0.65

-0.65

-0.65

-0.66

-0.66

-0.66

Ellipticity - SKPab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 130.0 | τ_0 | -1.97 | -1.89 | -1.80 | -1.72 | -1.57 | -1.44 |
| | τ_1 | 1.22 | 1.22 | 1.21 | 1.20 | 1.17 | 1.15 |
| | τ_2 | -0.68 | -0.69 | -0.69 | -0.70 | -0.71 | -0.72 |
| 135.0 | τ_0 | -2.04 | -1.95 | -1.87 | -1.80 | -1.66 | -1.53 |
| | τ_1 | 1.18 | 1.17 | 1.16 | 1.15 | 1.13 | 1.12 |
| | τ_2 | -0.66 | -0.67 | -0.67 | -0.67 | -0.68 | -0.68 |
| 140.0 | τ_0 | -2.15 | -2.06 | -1.98 | -1.90 | -1.76 | -1.64 |
| | τ_1 | 1.14 | 1.13 | 1.12 | 1.11 | 1.10 | 1.08 |
| | τ_2 | -0.62 | -0.63 | -0.63 | -0.63 | -0.63 | -0.64 |

Ellipticity - SKPbc

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 130.0 | τ_0 | -1.99 | -1.90 | -1.82 | -1.76 | -1.63 | -1.52 |
| | τ_1 | 1.24 | 1.23 | 1.22 | 1.22 | 1.22 | 1.22 |
| | τ_2 | -0.67 | -0.68 | -0.68 | -0.68 | -0.68 | -0.67 |
| 135.0 | τ_0 | -2.23 | -2.15 | -2.07 | -2.00 | -1.86 | -1.75 |
| | τ_1 | 1.28 | 1.28 | 1.27 | 1.27 | 1.26 | 1.25 |
| | τ_2 | -0.56 | -0.56 | -0.56 | -0.57 | -0.57 | -0.57 |
| 140.0 | τ_0 | -2.44 | -2.35 | -2.28 | -2.20 | -2.07 | -1.95 |
| | τ_1 | 1.26 | 1.26 | 1.25 | 1.25 | 1.24 | 1.24 |
| | τ_2 | -0.46 | -0.46 | -0.46 | -0.47 | -0.47 | -0.47 |
| 145.0 | τ_0 | -2.63 | -2.54 | -2.47 | -2.39 | -2.26 | -2.14 |
| | τ_1 | 1.20 | 1.20 | 1.19 | 1.19 | 1.18 | 1.18 |
| | τ_2 | -0.37 | -0.37 | -0.37 | -0.37 | -0.37 | -0.37 |
| 150.0 | τ_0 | -2.79 | -2.71 | -2.64 | -2.56 | -2.43 | -2.31 |
| | τ_1 | 1.11 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 |
| | τ_2 | -0.29 | -0.28 | -0.28 | -0.29 | -0.29 | -0.29 |

Ellipticity - SKPdf

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 110.0 | τ_0 | -1.52 | -1.43 | -1.36 | -1.28 | -1.14 | -1.02 |
| | τ_1 | 0.94 | 0.94 | 0.93 | 0.93 | 0.92 | 0.92 |
| | τ_2 | -0.94 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 |
| 115.0 | τ_0 | -1.65 | -1.56 | -1.49 | -1.41 | -1.28 | -1.16 |
| | τ_1 | 1.07 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 |
| | τ_2 | -0.88 | -0.88 | -0.88 | -0.88 | -0.88 | -0.88 |
| 120.0 | τ_0 | -1.80 | -1.71 | -1.64 | -1.56 | -1.42 | -1.31 |
| | τ_1 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 | 1.15 |
| | τ_2 | -0.80 | -0.80 | -0.81 | -0.81 | -0.81 | -0.81 |
| 125.0 | τ_0 | -1.96 | -1.88 | -1.80 | -1.72 | -1.59 | -1.47 |
| | τ_1 | 1.24 | 1.24 | 1.23 | 1.23 | 1.23 | 1.22 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 |
| 130.0 | τ_0 | -2.13 | -2.05 | -1.97 | -1.90 | -1.76 | -1.64 |
| | τ_1 | 1.28 | 1.27 | 1.27 | 1.27 | 1.26 | 1.26 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |
| 135.0 | τ_0 | -2.31 | -2.22 | -2.15 | -2.07 | -1.94 | -1.82 |
| | τ_1 | 1.28 | 1.28 | 1.27 | 1.27 | 1.27 | 1.26 |
| | τ_2 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 |
| 140.0 | τ_0 | -2.48 | -2.40 | -2.32 | -2.25 | -2.11 | -1.99 |
| | τ_1 | 1.25 | 1.25 | 1.24 | 1.24 | 1.24 | 1.23 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 145.0 | τ_0 | -2.65 | -2.57 | -2.49 | -2.42 | -2.28 | -2.16 |
| | τ_1 | 1.18 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 |
| | τ_2 | -0.35 | -0.35 | -0.36 | -0.36 | -0.36 | -0.36 |
| 150.0 | τ_0 | -2.81 | -2.73 | -2.65 | -2.58 | -2.44 | -2.32 |
| | τ_1 | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 | 1.07 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 155.0 | τ_0 | -2.96 | -2.87 | -2.80 | -2.72 | -2.59 | -2.47 |
| | τ_1 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.20 |
| 160.0 | τ_0 | -3.08 | -3.00 | -2.92 | -2.85 | -2.71 | -2.60 |
| | τ_1 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 165.0 | τ_0 | -3.19 | -3.10 | -3.03 | -2.95 | -2.82 | -2.70 |
| | τ_1 | 0.62 | 0.62 | 0.62 | 0.62 | 0.61 | 0.61 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 170.0 | τ_0 | -3.26 | -3.18 | -3.10 | -3.03 | -2.89 | -2.77 |
| | τ_1 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 175.0 | τ_0 | -3.31 | -3.22 | -3.15 | -3.07 | -2.94 | -2.82 |
| | τ_1 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -3.32 | -3.24 | -3.16 | -3.09 | -2.95 | -2.84 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - SKiKP

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -2.97 | -2.88 | -2.81 | -2.73 | -2.60 | -2.48 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -2.96 | -2.87 | -2.79 | -2.72 | -2.58 | -2.47 |
| | τ_1 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -2.91 | -2.83 | -2.75 | -2.68 | -2.54 | -2.42 |
| | τ_1 | -0.34 | -0.34 | -0.34 | -0.34 | -0.34 | -0.34 |
| | τ_2 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
| 15.0 | τ_0 | -2.85 | -2.76 | -2.68 | -2.61 | -2.47 | -2.36 |
| | τ_1 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
| 20.0 | τ_0 | -2.75 | -2.67 | -2.59 | -2.52 | -2.38 | -2.26 |
| | τ_1 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 25.0 | τ_0 | -2.64 | -2.56 | -2.48 | -2.41 | -2.27 | -2.15 |
| | τ_1 | -0.75 | -0.75 | -0.75 | -0.76 | -0.76 | -0.76 |
| | τ_2 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 |
| 30.0 | τ_0 | -2.51 | -2.43 | -2.35 | -2.27 | -2.14 | -2.02 |
| | τ_1 | -0.85 | -0.85 | -0.85 | -0.85 | -0.85 | -0.85 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 35.0 | τ_0 | -2.37 | -2.28 | -2.21 | -2.13 | -2.00 | -1.88 |
| | τ_1 | -0.91 | -0.91 | -0.91 | -0.91 | -0.92 | -0.92 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| 40.0 | τ_0 | -2.21 | -2.13 | -2.05 | -1.98 | -1.84 | -1.72 |
| | τ_1 | -0.94 | -0.94 | -0.95 | -0.95 | -0.95 | -0.95 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 45.0 | τ_0 | -2.06 | -1.97 | -1.90 | -1.82 | -1.69 | -1.57 |
| | τ_1 | -0.94 | -0.94 | -0.95 | -0.95 | -0.95 | -0.95 |
| | τ_2 | -0.55 | -0.55 | -0.55 | -0.55 | -0.55 | -0.55 |
| 50.0 | τ_0 | -1.90 | -1.82 | -1.74 | -1.67 | -1.53 | -1.41 |
| | τ_1 | -0.91 | -0.91 | -0.92 | -0.92 | -0.92 | -0.92 |
| | τ_2 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| 55.0 | τ_0 | -1.75 | -1.67 | -1.59 | -1.52 | -1.38 | -1.26 |
| | τ_1 | -0.85 | -0.85 | -0.85 | -0.85 | -0.86 | -0.86 |
| | τ_2 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 |
| 60.0 | τ_0 | -1.62 | -1.53 | -1.45 | -1.38 | -1.24 | -1.13 |
| | τ_1 | -0.75 | -0.76 | -0.76 | -0.76 | -0.76 | -0.77 |
| | τ_2 | -0.82 | -0.82 | -0.82 | -0.82 | -0.82 | -0.82 |
| 65.0 | τ_0 | -1.49 | -1.41 | -1.33 | -1.26 | -1.12 | -1.00 |
| | τ_1 | -0.63 | -0.63 | -0.64 | -0.64 | -0.64 | -0.65 |
| | τ_2 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 |
| 70.0 | τ_0 | -1.39 | -1.31 | -1.23 | -1.16 | -1.02 | -0.90 |
| | τ_1 | -0.49 | -0.49 | -0.49 | -0.49 | -0.50 | -0.50 |
| | τ_2 | -0.96 | -0.96 | -0.96 | -0.96 | -0.96 | -0.96 |
| 75.0 | τ_0 | -1.31 | -1.23 | -1.15 | -1.08 | -0.94 | -0.82 |
| | τ_1 | -0.32 | -0.32 | -0.33 | -0.33 | -0.33 | -0.34 |
| | τ_2 | -1.01 | -1.01 | -1.01 | -1.01 | -1.01 | -1.01 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 80.0 | τ_0 | -1.26 | -1.17 | -1.10 | -1.02 | -0.88 | -0.77 |
| | τ_1 | -0.14 | -0.14 | -0.15 | -0.15 | -0.15 | -0.16 |
| | τ_2 | -1.05 | -1.05 | -1.05 | -1.05 | -1.05 | -1.05 |
| 85.0 | τ_0 | -1.23 | -1.14 | -1.07 | -0.99 | -0.86 | -0.74 |
| | τ_1 | 0.05 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 | -1.08 |
| 90.0 | τ_0 | -1.23 | -1.15 | -1.07 | -1.00 | -0.86 | -0.74 |
| | τ_1 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.22 |
| | τ_2 | -1.08 | -1.08 | -1.08 | -1.08 | -1.08 | -1.08 |
| 95.0 | τ_0 | -1.26 | -1.18 | -1.10 | -1.03 | -0.89 | -0.77 |
| | τ_1 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 | -1.07 |
| 100.0 | τ_0 | -1.32 | -1.24 | -1.16 | -1.08 | -0.95 | -0.83 |
| | τ_1 | 0.62 | 0.61 | 0.61 | 0.61 | 0.60 | 0.60 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.05 | -1.05 | -1.05 |
| 105.0 | τ_0 | -1.41 | -1.32 | -1.24 | -1.17 | -1.03 | -0.91 |
| | τ_1 | 0.79 | 0.78 | 0.78 | 0.78 | 0.77 | 0.77 |
| | τ_2 | -1.00 | -1.00 | -1.00 | -1.00 | -1.01 | -1.01 |
| 110.0 | τ_0 | -1.52 | -1.43 | -1.35 | -1.28 | -1.14 | -1.02 |
| | τ_1 | 0.94 | 0.94 | 0.93 | 0.93 | 0.92 | 0.92 |
| | τ_2 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 |
| 115.0 | τ_0 | -1.65 | -1.56 | -1.49 | -1.41 | -1.27 | -1.16 |
| | τ_1 | 1.07 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 |
| | τ_2 | -0.88 | -0.88 | -0.88 | -0.88 | -0.88 | -0.88 |
| 120.0 | τ_0 | -1.80 | -1.71 | -1.63 | -1.56 | -1.42 | -1.30 |
| | τ_1 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 | 1.15 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 125.0 | τ_0 | -1.96 | -1.87 | -1.80 | -1.72 | -1.59 | -1.47 |
| | τ_1 | 1.24 | 1.24 | 1.24 | 1.23 | 1.23 | 1.22 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 |
| 130.0 | τ_0 | -2.13 | -2.04 | -1.97 | -1.89 | -1.76 | -1.64 |
| | τ_1 | 1.28 | 1.28 | 1.27 | 1.27 | 1.27 | 1.26 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |
| 135.0 | τ_0 | -2.30 | -2.22 | -2.14 | -2.07 | -1.93 | -1.81 |
| | τ_1 | 1.29 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 |
| | τ_2 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 | -0.54 |
| 140.0 | τ_0 | -2.48 | -2.39 | -2.31 | -2.24 | -2.10 | -1.98 |
| | τ_1 | 1.26 | 1.25 | 1.25 | 1.25 | 1.24 | 1.24 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 145.0 | τ_0 | -2.64 | -2.56 | -2.48 | -2.41 | -2.27 | -2.15 |
| | τ_1 | 1.20 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.37 | -0.37 | -0.37 |

Ellipticity - PKKPab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 235.0 | τ_0 | -1.17 | -1.13 | -1.09 | -1.06 | -1.00 | -0.93 |
| | τ_1 | 1.55 | 1.55 | 1.54 | 1.54 | 1.48 | 1.43 |
| | τ_2 | -1.35 | -1.35 | -1.35 | -1.35 | -1.34 | -1.34 |
| 240.0 | τ_0 | -1.13 | -1.09 | -1.04 | -1.00 | -0.93 | -0.86 |
| | τ_1 | 1.44 | 1.42 | 1.41 | 1.40 | 1.37 | 1.34 |
| | τ_2 | -1.39 | -1.39 | -1.40 | -1.40 | -1.40 | -1.40 |
| 245.0 | τ_0 | -1.07 | -1.02 | -0.97 | -0.93 | -0.86 | -0.79 |
| | τ_1 | 1.35 | 1.33 | 1.32 | 1.31 | 1.29 | 1.27 |
| | τ_2 | -1.45 | -1.46 | -1.46 | -1.46 | -1.46 | -1.46 |
| 250.0 | τ_0 | -1.01 | -0.96 | -0.92 | -0.88 | -0.80 | -0.73 |
| | τ_1 | 1.25 | 1.24 | 1.23 | 1.22 | 1.20 | 1.18 |
| | τ_2 | -1.51 | -1.51 | -1.51 | -1.51 | -1.52 | -1.52 |
| 255.0 | τ_0 | -0.97 | -0.92 | -0.87 | -0.83 | -0.76 | -0.69 |
| | τ_1 | 1.15 | 1.14 | 1.13 | 1.12 | 1.10 | 1.09 |
| | τ_2 | -1.55 | -1.56 | -1.56 | -1.56 | -1.56 | -1.57 |

Ellipticity - PKKPbc

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 235.0 | τ_0 | -1.16 | -1.12 | -1.08 | -1.05 | -0.96 | -0.88 |
| | τ_1 | 1.59 | 1.58 | 1.59 | 1.58 | 1.60 | 1.62 |
| | τ_2 | -1.36 | -1.36 | -1.36 | -1.36 | -1.37 | -1.38 |
| 240.0 | τ_0 | -1.06 | -1.00 | -0.96 | -0.91 | -0.83 | -0.75 |
| | τ_1 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 |
| | τ_2 | -1.45 | -1.45 | -1.46 | -1.46 | -1.47 | -1.48 |
| 245.0 | τ_0 | -0.96 | -0.91 | -0.86 | -0.82 | -0.74 | -0.66 |
| | τ_1 | 1.66 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 |
| | τ_2 | -1.53 | -1.53 | -1.53 | -1.53 | -1.54 | -1.55 |
| 250.0 | τ_0 | -0.89 | -0.84 | -0.79 | -0.75 | -0.67 | -0.60 |
| | τ_1 | 1.59 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 |
| | τ_2 | -1.59 | -1.59 | -1.59 | -1.59 | -1.60 | -1.61 |
| 255.0 | τ_0 | -0.85 | -0.80 | -0.76 | -0.71 | -0.63 | -0.56 |
| | τ_1 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 |
| | τ_2 | -1.62 | -1.63 | -1.63 | -1.63 | -1.64 | -1.64 |
| 260.0 | τ_0 | -0.85 | -0.80 | -0.75 | -0.71 | -0.63 | -0.56 |
| | τ_1 | 1.34 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| | τ_2 | -1.64 | -1.65 | -1.65 | -1.65 | -1.66 | -1.66 |
| 265.0 | τ_0 | -0.88 | -0.83 | -0.78 | -0.74 | -0.66 | -0.58 |
| | τ_1 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| | τ_2 | -1.64 | -1.65 | -1.65 | -1.65 | -1.65 | -1.66 |
| 270.0 | τ_0 | -0.94 | -0.89 | -0.84 | -0.80 | -0.72 | -0.65 |
| | τ_1 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| | τ_2 | -1.62 | -1.62 | -1.63 | -1.63 | -1.63 | -1.64 |
| 275.0 | τ_0 | -1.03 | -0.98 | -0.94 | -0.89 | -0.81 | -0.74 |
| | τ_1 | 0.79 | 0.79 | 0.78 | 0.78 | 0.78 | 0.78 |
| | τ_2 | -1.58 | -1.58 | -1.59 | -1.59 | -1.59 | -1.60 |
| 280.0 | τ_0 | -1.16 | -1.11 | -1.06 | -1.02 | -0.94 | -0.87 |
| | τ_1 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 |
| | τ_2 | -1.52 | -1.52 | -1.53 | -1.53 | -1.53 | -1.53 |
| 285.0 | τ_0 | -1.31 | -1.26 | -1.22 | -1.17 | -1.09 | -1.02 |
| | τ_1 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| | τ_2 | -1.44 | -1.45 | -1.45 | -1.45 | -1.45 | -1.46 |

Ellipticity - PKKPdf

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 210.0 | τ_0 | -1.65 | -1.59 | -1.55 | -1.51 | -1.43 | -1.36 |
| | τ_1 | 1.50 | 1.50 | 1.50 | 1.50 | 1.49 | 1.48 |
| | τ_2 | -1.11 | -1.11 | -1.11 | -1.12 | -1.12 | -1.12 |
| 215.0 | τ_0 | -1.52 | -1.47 | -1.43 | -1.39 | -1.31 | -1.24 |
| | τ_1 | 1.68 | 1.67 | 1.67 | 1.67 | 1.66 | 1.65 |
| | τ_2 | -1.19 | -1.19 | -1.19 | -1.19 | -1.20 | -1.20 |
| 220.0 | τ_0 | -1.40 | -1.35 | -1.31 | -1.26 | -1.19 | -1.12 |
| | τ_1 | 1.81 | 1.81 | 1.80 | 1.80 | 1.79 | 1.79 |
| | τ_2 | -1.27 | -1.27 | -1.27 | -1.27 | -1.28 | -1.28 |
| 225.0 | τ_0 | -1.28 | -1.23 | -1.18 | -1.14 | -1.06 | -1.00 |
| | τ_1 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.88 |
| | τ_2 | -1.35 | -1.35 | -1.35 | -1.35 | -1.36 | -1.36 |
| 230.0 | τ_0 | -1.16 | -1.11 | -1.07 | -1.03 | -0.95 | -0.88 |
| | τ_1 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.93 |
| | τ_2 | -1.43 | -1.43 | -1.43 | -1.43 | -1.43 | -1.44 |
| 235.0 | τ_0 | -1.06 | -1.01 | -0.96 | -0.92 | -0.84 | -0.77 |
| | τ_1 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.94 |
| | τ_2 | -1.50 | -1.50 | -1.50 | -1.50 | -1.50 | -1.51 |
| 240.0 | τ_0 | -0.97 | -0.92 | -0.87 | -0.83 | -0.75 | -0.68 |
| | τ_1 | 1.92 | 1.92 | 1.91 | 1.91 | 1.91 | 1.90 |
| | τ_2 | -1.56 | -1.56 | -1.56 | -1.56 | -1.56 | -1.57 |
| 245.0 | τ_0 | -0.90 | -0.85 | -0.80 | -0.76 | -0.68 | -0.61 |
| | τ_1 | 1.84 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 |
| | τ_2 | -1.61 | -1.61 | -1.61 | -1.61 | -1.61 | -1.62 |
| 250.0 | τ_0 | -0.85 | -0.80 | -0.76 | -0.71 | -0.63 | -0.56 |
| | τ_1 | 1.72 | 1.72 | 1.71 | 1.71 | 1.71 | 1.70 |
| | τ_2 | -1.64 | -1.64 | -1.64 | -1.65 | -1.65 | -1.65 |
| 255.0 | τ_0 | -0.83 | -0.78 | -0.73 | -0.69 | -0.61 | -0.54 |
| | τ_1 | 1.57 | 1.57 | 1.57 | 1.57 | 1.56 | 1.56 |
| | τ_2 | -1.66 | -1.66 | -1.67 | -1.67 | -1.67 | -1.67 |
| 260.0 | τ_0 | -0.84 | -0.79 | -0.74 | -0.70 | -0.62 | -0.55 |
| | τ_1 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 |
| | τ_2 | -1.67 | -1.67 | -1.67 | -1.67 | -1.68 | -1.68 |
| 265.0 | τ_0 | -0.87 | -0.82 | -0.78 | -0.73 | -0.66 | -0.59 |
| | τ_1 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 |
| | τ_2 | -1.66 | -1.66 | -1.66 | -1.66 | -1.66 | -1.67 |
| 270.0 | τ_0 | -0.94 | -0.89 | -0.84 | -0.80 | -0.72 | -0.65 |
| | τ_1 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 |
| | τ_2 | -1.63 | -1.63 | -1.63 | -1.63 | -1.63 | -1.64 |
| 275.0 | τ_0 | -1.04 | -0.99 | -0.94 | -0.90 | -0.82 | -0.75 |
| | τ_1 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 | 0.80 |
| | τ_2 | -1.58 | -1.58 | -1.58 | -1.58 | -1.58 | -1.59 |
| 280.0 | τ_0 | -1.16 | -1.12 | -1.07 | -1.03 | -0.95 | -0.88 |
| | τ_1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.59 | 0.60 |
| | τ_2 | -1.51 | -1.51 | -1.51 | -1.52 | -1.52 | -1.52 |
| 285.0 | τ_0 | -1.32 | -1.27 | -1.22 | -1.18 | -1.10 | -1.03 |
| | τ_1 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| | τ_2 | -1.43 | -1.43 | -1.43 | -1.44 | -1.44 | -1.44 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 290.0 | τ_0 | -1.50 | -1.45 | -1.40 | -1.36 | -1.29 | -1.22 |
| | τ_1 | 0.21 | 0.21 | 0.21 | 0.20 | 0.21 | 0.21 |
| | τ_2 | -1.34 | -1.34 | -1.34 | -1.34 | -1.34 | -1.34 |
| 295.0 | τ_0 | -1.70 | -1.65 | -1.60 | -1.56 | -1.49 | -1.42 |
| | τ_1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| | τ_2 | -1.23 | -1.23 | -1.23 | -1.23 | -1.23 | -1.24 |
| 300.0 | τ_0 | -1.91 | -1.87 | -1.82 | -1.78 | -1.70 | -1.63 |
| | τ_1 | -0.12 | -0.12 | -0.12 | -0.12 | -0.12 | -0.12 |
| | τ_2 | -1.11 | -1.11 | -1.11 | -1.11 | -1.11 | -1.12 |
| 305.0 | τ_0 | -2.14 | -2.10 | -2.05 | -2.01 | -1.93 | -1.87 |
| | τ_1 | -0.26 | -0.26 | -0.26 | -0.26 | -0.26 | -0.25 |
| | τ_2 | -0.98 | -0.98 | -0.98 | -0.98 | -0.99 | -0.99 |
| 310.0 | τ_0 | -2.38 | -2.33 | -2.29 | -2.25 | -2.17 | -2.10 |
| | τ_1 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| | τ_2 | -0.85 | -0.85 | -0.85 | -0.85 | -0.86 | -0.86 |
| 315.0 | τ_0 | -2.62 | -2.57 | -2.53 | -2.49 | -2.41 | -2.34 |
| | τ_1 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.43 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 |
| 320.0 | τ_0 | -2.85 | -2.80 | -2.75 | -2.71 | -2.64 | -2.57 |
| | τ_1 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 |
| | τ_2 | -0.59 | -0.59 | -0.59 | -0.60 | -0.60 | -0.60 |
| 325.0 | τ_0 | -3.07 | -3.02 | -2.98 | -2.94 | -2.86 | -2.80 |
| | τ_1 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 |
| | τ_2 | -0.47 | -0.47 | -0.47 | -0.47 | -0.47 | -0.47 |
| 330.0 | τ_0 | -3.27 | -3.23 | -3.18 | -3.14 | -3.07 | -3.00 |
| | τ_1 | -0.49 | -0.49 | -0.49 | -0.49 | -0.49 | -0.49 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| 335.0 | τ_0 | -3.46 | -3.41 | -3.36 | -3.32 | -3.25 | -3.19 |
| | τ_1 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| | τ_2 | -0.25 | -0.25 | -0.25 | -0.25 | -0.25 | -0.25 |
| 340.0 | τ_0 | -3.61 | -3.56 | -3.52 | -3.48 | -3.41 | -3.34 |
| | τ_1 | -0.39 | -0.39 | -0.39 | -0.39 | -0.39 | -0.39 |
| | τ_2 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 |
| 345.0 | τ_0 | -3.74 | -3.69 | -3.65 | -3.61 | -3.53 | -3.47 |
| | τ_1 | -0.31 | -0.31 | -0.31 | -0.31 | -0.31 | -0.31 |
| | τ_2 | -0.09 | -0.09 | -0.09 | -0.09 | -0.09 | -0.09 |
| 350.0 | τ_0 | -3.83 | -3.78 | -3.74 | -3.70 | -3.63 | -3.56 |
| | τ_1 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 |
| | τ_2 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 |
| 355.0 | τ_0 | -3.89 | -3.84 | -3.80 | -3.76 | -3.68 | -3.62 |
| | τ_1 | -0.11 | -0.11 | -0.11 | -0.11 | -0.11 | -0.11 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 360.0 | τ_0 | -3.91 | -3.86 | -3.82 | -3.78 | -3.70 | -3.64 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - SKKPab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 215.0 | τ_0 | -2.26 | -2.17 | -2.09 | -2.02 | -1.88 | -1.77 |
| | τ_1 | 1.18 | 1.17 | 1.16 | 1.15 | 1.14 | 1.12 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 220.0 | τ_0 | -2.17 | -2.08 | -2.01 | -1.93 | -1.79 | -1.67 |
| | τ_1 | 1.21 | 1.21 | 1.20 | 1.19 | 1.17 | 1.16 |
| | τ_2 | -1.11 | -1.11 | -1.11 | -1.11 | -1.11 | -1.12 |

Ellipticity - SKKPbc

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 215.0 | τ_0 | -2.21 | -2.13 | -2.05 | -1.97 | -1.83 | -1.70 |
| | τ_1 | 1.23 | 1.23 | 1.22 | 1.22 | 1.22 | 1.23 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.08 | -1.08 |
| 220.0 | τ_0 | -2.06 | -1.97 | -1.89 | -1.81 | -1.67 | -1.55 |
| | τ_1 | 1.52 | 1.52 | 1.52 | 1.51 | 1.50 | 1.49 |
| | τ_2 | -1.18 | -1.18 | -1.18 | -1.19 | -1.19 | -1.19 |
| 225.0 | τ_0 | -1.91 | -1.82 | -1.75 | -1.67 | -1.53 | -1.40 |
| | τ_1 | 1.70 | 1.69 | 1.69 | 1.68 | 1.67 | 1.66 |
| | τ_2 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 | -1.30 |
| 230.0 | τ_0 | -1.77 | -1.69 | -1.61 | -1.53 | -1.39 | -1.27 |
| | τ_1 | 1.80 | 1.80 | 1.79 | 1.79 | 1.77 | 1.76 |
| | τ_2 | -1.39 | -1.39 | -1.39 | -1.39 | -1.39 | -1.40 |
| 235.0 | τ_0 | -1.65 | -1.56 | -1.48 | -1.41 | -1.27 | -1.14 |
| | τ_1 | 1.85 | 1.85 | 1.84 | 1.84 | 1.83 | 1.82 |
| | τ_2 | -1.48 | -1.48 | -1.48 | -1.48 | -1.48 | -1.49 |
| 240.0 | τ_0 | -1.54 | -1.46 | -1.38 | -1.30 | -1.16 | -1.04 |
| | τ_1 | 1.86 | 1.85 | 1.84 | 1.84 | 1.83 | 1.82 |
| | τ_2 | -1.55 | -1.56 | -1.56 | -1.56 | -1.56 | -1.57 |
| 245.0 | τ_0 | -1.46 | -1.37 | -1.29 | -1.22 | -1.08 | -0.95 |
| | τ_1 | 1.81 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 |
| | τ_2 | -1.62 | -1.62 | -1.62 | -1.63 | -1.63 | -1.63 |
| 250.0 | τ_0 | -1.40 | -1.31 | -1.23 | -1.16 | -1.02 | -0.89 |
| | τ_1 | 1.73 | 1.72 | 1.72 | 1.71 | 1.71 | 1.70 |
| | τ_2 | -1.67 | -1.67 | -1.67 | -1.68 | -1.68 | -1.68 |
| 255.0 | τ_0 | -1.37 | -1.28 | -1.20 | -1.13 | -0.99 | -0.87 |
| | τ_1 | 1.61 | 1.61 | 1.60 | 1.60 | 1.59 | 1.58 |
| | τ_2 | -1.70 | -1.70 | -1.71 | -1.71 | -1.71 | -1.71 |
| 260.0 | τ_0 | -1.37 | -1.28 | -1.21 | -1.13 | -0.99 | -0.87 |
| | τ_1 | 1.47 | 1.46 | 1.46 | 1.45 | 1.45 | 1.44 |
| | τ_2 | -1.72 | -1.72 | -1.72 | -1.72 | -1.72 | -1.73 |
| 265.0 | τ_0 | -1.40 | -1.32 | -1.24 | -1.16 | -1.02 | -0.90 |
| | τ_1 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.27 |
| | τ_2 | -1.71 | -1.71 | -1.71 | -1.71 | -1.72 | -1.72 |
| 270.0 | τ_0 | -1.47 | -1.38 | -1.31 | -1.23 | -1.09 | -0.97 |
| | τ_1 | 1.11 | 1.10 | 1.10 | 1.10 | 1.09 | 1.08 |
| | τ_2 | -1.68 | -1.69 | -1.69 | -1.69 | -1.69 | -1.69 |
| 275.0 | τ_0 | -1.57 | -1.48 | -1.41 | -1.33 | -1.19 | -1.07 |
| | τ_1 | 0.91 | 0.91 | 0.90 | 0.90 | 0.89 | 0.89 |
| | τ_2 | -1.64 | -1.64 | -1.64 | -1.64 | -1.64 | -1.65 |
| 280.0 | τ_0 | -1.70 | -1.62 | -1.54 | -1.46 | -1.32 | -1.20 |
| | τ_1 | 0.70 | 0.70 | 0.70 | 0.70 | 0.69 | 0.69 |
| | τ_2 | -1.57 | -1.58 | -1.58 | -1.58 | -1.58 | -1.58 |

Ellipticity - SKKPdf

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 205.0 | τ_0 | -2.34 | -2.25 | -2.18 | -2.11 | -1.97 | -1.85 |
| | τ_1 | 1.32 | 1.31 | 1.30 | 1.29 | 1.29 | 1.28 |
| | τ_2 | -1.06 | -1.06 | -1.06 | -1.06 | -1.07 | -1.07 |
| 210.0 | τ_0 | -2.22 | -2.14 | -2.06 | -1.99 | -1.85 | -1.73 |
| | τ_1 | 1.52 | 1.52 | 1.51 | 1.51 | 1.50 | 1.49 |
| | τ_2 | -1.14 | -1.14 | -1.14 | -1.14 | -1.14 | -1.14 |
| 215.0 | τ_0 | -2.10 | -2.01 | -1.94 | -1.86 | -1.72 | -1.60 |
| | τ_1 | 1.70 | 1.69 | 1.69 | 1.68 | 1.68 | 1.67 |
| | τ_2 | -1.22 | -1.22 | -1.22 | -1.22 | -1.22 | -1.23 |
| 220.0 | τ_0 | -1.97 | -1.89 | -1.81 | -1.73 | -1.60 | -1.48 |
| | τ_1 | 1.83 | 1.83 | 1.83 | 1.82 | 1.81 | 1.81 |
| | τ_2 | -1.30 | -1.30 | -1.30 | -1.31 | -1.31 | -1.31 |
| 225.0 | τ_0 | -1.85 | -1.76 | -1.68 | -1.61 | -1.47 | -1.35 |
| | τ_1 | 1.93 | 1.93 | 1.92 | 1.92 | 1.91 | 1.90 |
| | τ_2 | -1.39 | -1.39 | -1.39 | -1.39 | -1.39 | -1.39 |
| 230.0 | τ_0 | -1.73 | -1.64 | -1.56 | -1.49 | -1.35 | -1.23 |
| | τ_1 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 |
| | τ_2 | -1.46 | -1.46 | -1.47 | -1.47 | -1.47 | -1.47 |
| 235.0 | τ_0 | -1.62 | -1.53 | -1.45 | -1.38 | -1.24 | -1.12 |
| | τ_1 | 2.00 | 2.00 | 1.99 | 1.99 | 1.98 | 1.98 |
| | τ_2 | -1.54 | -1.54 | -1.54 | -1.54 | -1.54 | -1.54 |
| 240.0 | τ_0 | -1.52 | -1.44 | -1.36 | -1.29 | -1.15 | -1.03 |
| | τ_1 | 1.96 | 1.96 | 1.95 | 1.95 | 1.94 | 1.94 |
| | τ_2 | -1.60 | -1.60 | -1.60 | -1.60 | -1.60 | -1.60 |
| 245.0 | τ_0 | -1.45 | -1.37 | -1.29 | -1.21 | -1.08 | -0.95 |
| | τ_1 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.86 |
| | τ_2 | -1.65 | -1.65 | -1.65 | -1.65 | -1.65 | -1.65 |
| 250.0 | τ_0 | -1.40 | -1.32 | -1.24 | -1.16 | -1.03 | -0.91 |
| | τ_1 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.75 |
| | τ_2 | -1.69 | -1.69 | -1.69 | -1.69 | -1.69 | -1.69 |
| 255.0 | τ_0 | -1.38 | -1.30 | -1.22 | -1.14 | -1.00 | -0.88 |
| | τ_1 | 1.63 | 1.63 | 1.63 | 1.62 | 1.62 | 1.61 |
| | τ_2 | -1.71 | -1.71 | -1.71 | -1.71 | -1.71 | -1.71 |
| 260.0 | τ_0 | -1.39 | -1.30 | -1.22 | -1.15 | -1.01 | -0.89 |
| | τ_1 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.45 |
| | τ_2 | -1.71 | -1.71 | -1.71 | -1.71 | -1.72 | -1.72 |
| 265.0 | τ_0 | -1.43 | -1.34 | -1.26 | -1.19 | -1.05 | -0.93 |
| | τ_1 | 1.29 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 |
| | τ_2 | -1.70 | -1.70 | -1.70 | -1.70 | -1.70 | -1.71 |
| 270.0 | τ_0 | -1.49 | -1.41 | -1.33 | -1.26 | -1.12 | -1.00 |
| | τ_1 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| | τ_2 | -1.67 | -1.67 | -1.67 | -1.67 | -1.67 | -1.67 |
| 275.0 | τ_0 | -1.59 | -1.51 | -1.43 | -1.36 | -1.22 | -1.10 |
| | τ_1 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.87 |
| | τ_2 | -1.62 | -1.62 | -1.62 | -1.62 | -1.62 | -1.62 |
| 280.0 | τ_0 | -1.72 | -1.64 | -1.56 | -1.49 | -1.35 | -1.23 |
| | τ_1 | 0.68 | 0.68 | 0.68 | 0.68 | 0.67 | 0.67 |
| | τ_2 | -1.55 | -1.55 | -1.55 | -1.55 | -1.55 | -1.56 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 285.0 | τ_0 | -1.88 | -1.80 | -1.72 | -1.65 | -1.51 | -1.39 |
| | τ_1 | 0.48 | 0.48 | 0.48 | 0.48 | 0.47 | 0.47 |
| | τ_2 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 |
| 290.0 | τ_0 | -2.07 | -1.98 | -1.91 | -1.83 | -1.69 | -1.57 |
| | τ_1 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 |
| | τ_2 | -1.37 | -1.37 | -1.37 | -1.37 | -1.37 | -1.37 |
| 295.0 | τ_0 | -2.27 | -2.19 | -2.11 | -2.04 | -1.90 | -1.78 |
| | τ_1 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| | τ_2 | -1.26 | -1.26 | -1.26 | -1.26 | -1.26 | -1.26 |
| 300.0 | τ_0 | -2.50 | -2.41 | -2.33 | -2.26 | -2.12 | -2.00 |
| | τ_1 | -0.04 | -0.04 | -0.04 | -0.05 | -0.05 | -0.05 |
| | τ_2 | -1.13 | -1.13 | -1.14 | -1.14 | -1.14 | -1.14 |
| 305.0 | τ_0 | -2.73 | -2.64 | -2.57 | -2.49 | -2.36 | -2.24 |
| | τ_1 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| | τ_2 | -1.01 | -1.01 | -1.01 | -1.01 | -1.01 | -1.01 |
| 310.0 | τ_0 | -2.97 | -2.88 | -2.81 | -2.73 | -2.60 | -2.48 |
| | τ_1 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 |
| | τ_2 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.88 |
| 315.0 | τ_0 | -3.21 | -3.13 | -3.05 | -2.98 | -2.84 | -2.72 |
| | τ_1 | -0.37 | -0.37 | -0.37 | -0.37 | -0.37 | -0.37 |
| | τ_2 | -0.74 | -0.74 | -0.74 | -0.74 | -0.74 | -0.74 |
| 320.0 | τ_0 | -3.45 | -3.36 | -3.29 | -3.21 | -3.08 | -2.96 |
| | τ_1 | -0.42 | -0.42 | -0.42 | -0.42 | -0.42 | -0.42 |
| | τ_2 | -0.61 | -0.61 | -0.61 | -0.61 | -0.61 | -0.61 |
| 325.0 | τ_0 | -3.67 | -3.59 | -3.51 | -3.44 | -3.30 | -3.18 |
| | τ_1 | -0.44 | -0.44 | -0.45 | -0.45 | -0.45 | -0.45 |
| | τ_2 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 |
| 330.0 | τ_0 | -3.88 | -3.80 | -3.72 | -3.65 | -3.51 | -3.39 |
| | τ_1 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| | τ_2 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| 335.0 | τ_0 | -4.07 | -3.98 | -3.91 | -3.83 | -3.70 | -3.58 |
| | τ_1 | -0.41 | -0.41 | -0.41 | -0.41 | -0.41 | -0.41 |
| | τ_2 | -0.26 | -0.26 | -0.26 | -0.26 | -0.26 | -0.26 |
| 340.0 | τ_0 | -4.23 | -4.14 | -4.07 | -3.99 | -3.86 | -3.74 |
| | τ_1 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 |
| | τ_2 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 |
| 345.0 | τ_0 | -4.36 | -4.27 | -4.19 | -4.12 | -3.98 | -3.87 |
| | τ_1 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| 350.0 | τ_0 | -4.45 | -4.37 | -4.29 | -4.22 | -4.08 | -3.96 |
| | τ_1 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 |
| | τ_2 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 |
| 355.0 | τ_0 | -4.51 | -4.42 | -4.35 | -4.27 | -4.14 | -4.02 |
| | τ_1 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 360.0 | τ_0 | -4.53 | -4.44 | -4.37 | -4.29 | -4.16 | -4.04 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - PP

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 40.0 | τ_0 | -0.93 | -0.90 | -0.87 | -0.85 | -0.83 | -0.84 |
| | τ_1 | -0.58 | -0.61 | -0.64 | -0.68 | -0.73 | -0.77 |
| | τ_2 | -0.23 | -0.23 | -0.24 | -0.24 | -0.24 | -0.25 |
| 45.0 | τ_0 | -0.94 | -0.91 | -0.88 | -0.88 | -0.83 | -0.82 |
| | τ_1 | -0.67 | -0.70 | -0.73 | -0.76 | -0.81 | -0.85 |
| | τ_2 | -0.30 | -0.30 | -0.30 | -0.33 | -0.33 | -0.32 |
| 50.0 | τ_0 | -0.95 | -0.91 | -0.88 | -0.85 | -0.81 | -0.79 |
| | τ_1 | -0.75 | -0.78 | -0.80 | -0.83 | -0.87 | -0.92 |
| | τ_2 | -0.39 | -0.40 | -0.40 | -0.40 | -0.40 | -0.39 |
| 55.0 | τ_0 | -0.92 | -0.88 | -0.85 | -0.82 | -0.78 | -0.76 |
| | τ_1 | -0.81 | -0.83 | -0.85 | -0.88 | -0.93 | -0.97 |
| | τ_2 | -0.47 | -0.47 | -0.47 | -0.47 | -0.47 | -0.47 |
| 60.0 | τ_0 | -0.88 | -0.84 | -0.81 | -0.78 | -0.74 | -0.72 |
| | τ_1 | -0.85 | -0.87 | -0.90 | -0.92 | -0.97 | -1.01 |
| | τ_2 | -0.55 | -0.55 | -0.55 | -0.55 | -0.55 | -0.55 |
| 65.0 | τ_0 | -0.84 | -0.80 | -0.76 | -0.73 | -0.69 | -0.67 |
| | τ_1 | -0.88 | -0.90 | -0.93 | -0.95 | -1.00 | -1.04 |
| | τ_2 | -0.63 | -0.63 | -0.64 | -0.64 | -0.64 | -0.63 |
| 70.0 | τ_0 | -0.79 | -0.75 | -0.72 | -0.69 | -0.64 | -0.61 |
| | τ_1 | -0.89 | -0.91 | -0.94 | -0.96 | -1.01 | -1.05 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 |
| 75.0 | τ_0 | -0.74 | -0.70 | -0.67 | -0.63 | -0.59 | -0.56 |
| | τ_1 | -0.89 | -0.91 | -0.93 | -0.96 | -1.00 | -1.04 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.81 | -0.81 | -0.80 |
| 80.0 | τ_0 | -0.69 | -0.65 | -0.61 | -0.58 | -0.54 | -0.51 |
| | τ_1 | -0.87 | -0.89 | -0.91 | -0.94 | -0.98 | -1.02 |
| | τ_2 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 | -0.89 |
| 85.0 | τ_0 | -0.64 | -0.60 | -0.57 | -0.54 | -0.49 | -0.46 |
| | τ_1 | -0.83 | -0.86 | -0.88 | -0.90 | -0.95 | -0.99 |
| | τ_2 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 |
| 90.0 | τ_0 | -0.60 | -0.56 | -0.53 | -0.50 | -0.45 | -0.42 |
| | τ_1 | -0.79 | -0.81 | -0.83 | -0.85 | -0.90 | -0.94 |
| | τ_2 | -1.05 | -1.05 | -1.05 | -1.05 | -1.05 | -1.04 |
| 95.0 | τ_0 | -0.57 | -0.53 | -0.50 | -0.47 | -0.42 | -0.38 |
| | τ_1 | -0.73 | -0.75 | -0.77 | -0.79 | -0.84 | -0.88 |
| | τ_2 | -1.12 | -1.12 | -1.12 | -1.12 | -1.12 | -1.12 |
| 100.0 | τ_0 | -0.55 | -0.51 | -0.47 | -0.44 | -0.39 | -0.36 |
| | τ_1 | -0.66 | -0.68 | -0.70 | -0.73 | -0.77 | -0.81 |
| | τ_2 | -1.19 | -1.19 | -1.19 | -1.19 | -1.18 | -1.18 |
| 105.0 | τ_0 | -0.54 | -0.49 | -0.46 | -0.43 | -0.38 | -0.34 |
| | τ_1 | -0.59 | -0.61 | -0.63 | -0.65 | -0.69 | -0.74 |
| | τ_2 | -1.24 | -1.24 | -1.24 | -1.24 | -1.24 | -1.24 |
| 110.0 | τ_0 | -0.53 | -0.49 | -0.46 | -0.42 | -0.37 | -0.34 |
| | τ_1 | -0.51 | -0.53 | -0.55 | -0.57 | -0.61 | -0.66 |
| | τ_2 | -1.29 | -1.29 | -1.29 | -1.30 | -1.29 | -1.29 |
| 115.0 | τ_0 | -0.54 | -0.50 | -0.46 | -0.43 | -0.38 | -0.34 |
| | τ_1 | -0.43 | -0.45 | -0.47 | -0.49 | -0.53 | -0.58 |
| | τ_2 | -1.34 | -1.34 | -1.34 | -1.34 | -1.34 | -1.34 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 120.0 | τ_0 | -0.56 | -0.52 | -0.48 | -0.45 | -0.39 | -0.35 |
| | τ_1 | -0.35 | -0.37 | -0.39 | -0.41 | -0.46 | -0.50 |
| | τ_2 | -1.38 | -1.38 | -1.38 | -1.38 | -1.38 | -1.37 |
| 125.0 | τ_0 | -0.59 | -0.54 | -0.51 | -0.47 | -0.42 | -0.38 |
| | τ_1 | -0.28 | -0.30 | -0.32 | -0.34 | -0.38 | -0.43 |
| | τ_2 | -1.41 | -1.41 | -1.41 | -1.41 | -1.41 | -1.40 |
| 130.0 | τ_0 | -0.62 | -0.58 | -0.54 | -0.51 | -0.45 | -0.41 |
| | τ_1 | -0.21 | -0.23 | -0.25 | -0.27 | -0.32 | -0.36 |
| | τ_2 | -1.43 | -1.43 | -1.43 | -1.43 | -1.43 | -1.43 |
| 135.0 | τ_0 | -0.66 | -0.62 | -0.58 | -0.55 | -0.49 | -0.44 |
| | τ_1 | -0.15 | -0.17 | -0.19 | -0.21 | -0.26 | -0.30 |
| | τ_2 | -1.45 | -1.45 | -1.45 | -1.45 | -1.45 | -1.45 |
| 140.0 | τ_0 | -0.71 | -0.66 | -0.63 | -0.59 | -0.53 | -0.48 |
| | τ_1 | -0.10 | -0.12 | -0.14 | -0.16 | -0.21 | -0.25 |
| | τ_2 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 |
| 145.0 | τ_0 | -0.75 | -0.71 | -0.67 | -0.64 | -0.57 | -0.52 |
| | τ_1 | -0.06 | -0.08 | -0.10 | -0.12 | -0.17 | -0.21 |
| | τ_2 | -1.48 | -1.49 | -1.49 | -1.49 | -1.49 | -1.49 |
| 150.0 | τ_0 | -0.80 | -0.75 | -0.72 | -0.68 | -0.61 | -0.56 |
| | τ_1 | -0.03 | -0.05 | -0.07 | -0.09 | -0.13 | -0.18 |
| | τ_2 | -1.50 | -1.50 | -1.50 | -1.50 | -1.50 | -1.50 |
| 155.0 | τ_0 | -0.84 | -0.80 | -0.76 | -0.72 | -0.65 | -0.60 |
| | τ_1 | -0.01 | -0.03 | -0.05 | -0.07 | -0.11 | -0.16 |
| | τ_2 | -1.51 | -1.51 | -1.51 | -1.52 | -1.52 | -1.52 |
| 160.0 | τ_0 | -0.88 | -0.83 | -0.79 | -0.75 | -0.69 | -0.63 |
| | τ_1 | 0.00 | -0.02 | -0.04 | -0.06 | -0.10 | -0.14 |
| | τ_2 | -1.53 | -1.53 | -1.53 | -1.53 | -1.53 | -1.54 |
| 165.0 | τ_0 | -0.91 | -0.86 | -0.82 | -0.78 | -0.71 | -0.65 |
| | τ_1 | 0.00 | -0.01 | -0.03 | -0.05 | -0.09 | -0.14 |
| | τ_2 | -1.55 | -1.55 | -1.55 | -1.55 | -1.56 | -1.56 |
| 170.0 | τ_0 | -0.93 | -0.88 | -0.84 | -0.80 | -0.73 | -0.67 |
| | τ_1 | 0.00 | -0.01 | -0.03 | -0.05 | -0.09 | -0.13 |
| | τ_2 | -1.57 | -1.57 | -1.57 | -1.58 | -1.58 | -1.58 |
| 175.0 | τ_0 | -0.94 | -0.89 | -0.85 | -0.81 | -0.74 | -0.67 |
| | τ_1 | 0.00 | -0.02 | -0.03 | -0.05 | -0.09 | -0.13 |
| | τ_2 | -1.60 | -1.60 | -1.60 | -1.61 | -1.61 | -1.61 |
| 180.0 | τ_0 | -0.94 | -0.89 | -0.85 | -0.81 | -0.74 | -0.66 |
| | τ_1 | 0.00 | -0.02 | -0.03 | -0.05 | -0.09 | -0.13 |
| | τ_2 | -1.63 | -1.63 | -1.63 | -1.64 | -1.64 | -1.65 |
| 185.0 | τ_0 | -0.93 | -0.88 | -0.83 | -0.79 | -0.71 | -0.65 |
| | τ_1 | 0.40 | 0.39 | 0.37 | 0.36 | 0.32 | 0.28 |
| | τ_2 | -1.66 | -1.66 | -1.67 | -1.67 | -1.67 | -1.68 |
| 190.0 | τ_0 | -0.91 | -0.86 | -0.81 | -0.77 | -0.69 | -0.62 |
| | τ_1 | 0.74 | 0.72 | 0.71 | 0.69 | 0.66 | 0.62 |
| | τ_2 | -1.70 | -1.70 | -1.71 | -1.71 | -1.71 | -1.72 |

| Ellipticity - P'P' | | Depth of source [km] | | | | | |
|--------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 235.0 | τ_0 | -3.79 | -0.69 | -0.64 | -2.38 | -0.51 | -0.44 |
| | τ_1 | 1.27 | 3.08 | 3.08 | 0.17 | 3.07 | 3.05 |
| | τ_2 | -0.76 | -2.52 | -2.53 | -1.50 | -2.53 | -2.54 |
| 240.0 | τ_0 | -3.89 | -0.69 | -0.64 | -2.19 | -0.51 | -0.43 |
| | τ_1 | 1.01 | 3.11 | 3.10 | -0.04 | 3.09 | 3.08 |
| | τ_2 | -0.71 | -2.53 | -2.54 | -1.62 | -2.55 | -2.55 |
| 245.0 | τ_0 | -3.95 | -0.71 | -0.66 | -2.00 | -0.53 | -0.45 |
| | τ_1 | 1.37 | 3.07 | 3.07 | 0.01 | 3.06 | 3.05 |
| | τ_2 | -0.69 | -2.53 | -2.53 | -1.74 | -2.54 | -2.55 |
| 250.0 | τ_0 | -3.98 | -0.76 | -0.71 | -1.81 | -0.58 | -0.50 |
| | τ_1 | 1.67 | 2.99 | 2.99 | 0.00 | 2.98 | 2.97 |
| | τ_2 | -0.68 | -2.51 | -2.51 | -1.86 | -2.52 | -2.53 |
| 255.0 | τ_0 | -3.97 | -0.83 | -0.79 | -1.63 | -0.66 | -0.58 |
| | τ_1 | 1.96 | 2.87 | 2.87 | -0.03 | 2.86 | 2.85 |
| | τ_2 | -0.69 | -2.48 | -2.48 | -1.97 | -2.49 | -2.50 |
| 260.0 | τ_0 | -3.94 | -0.94 | -0.90 | -1.46 | -0.77 | -0.69 |
| | τ_1 | 2.28 | 2.72 | 2.71 | -0.02 | 2.71 | 2.70 |
| | τ_2 | -0.72 | -2.42 | -2.42 | -2.07 | -2.43 | -2.44 |
| 265.0 | τ_0 | -3.88 | -1.08 | -1.04 | -1.31 | -0.90 | -0.83 |
| | τ_1 | 2.56 | 2.54 | 2.53 | -0.05 | 2.53 | 2.53 |
| | τ_2 | -0.76 | -2.35 | -2.35 | -2.17 | -2.36 | -2.37 |
| 270.0 | τ_0 | -3.79 | -1.25 | -1.21 | -1.18 | -1.07 | -1.00 |
| | τ_1 | 2.80 | 2.33 | 2.33 | -0.09 | 2.33 | 2.33 |
| | τ_2 | -0.82 | -2.26 | -2.26 | -2.25 | -2.27 | -2.28 |
| 275.0 | τ_0 | -3.68 | -1.45 | -1.40 | -1.07 | -1.27 | -1.20 |
| | τ_1 | 3.00 | 2.12 | 2.12 | -0.14 | 2.12 | 2.12 |
| | τ_2 | -0.90 | -2.16 | -2.16 | -2.33 | -2.17 | -2.18 |
| 280.0 | τ_0 | -3.54 | -1.68 | -1.63 | -0.98 | -1.50 | -1.43 |
| | τ_1 | 3.17 | 1.89 | 1.89 | -0.20 | 1.89 | 1.89 |
| | τ_2 | -0.99 | -2.03 | -2.03 | -2.39 | -2.04 | -2.05 |
| 285.0 | τ_0 | -3.39 | -1.93 | -1.89 | -0.91 | -1.76 | -1.68 |
| | τ_1 | 3.29 | 1.66 | 1.66 | -0.27 | 1.66 | 1.67 |
| | τ_2 | -1.08 | -1.90 | -1.90 | -2.44 | -1.91 | -1.91 |
| 290.0 | τ_0 | -3.08 | -2.12 | -2.08 | -0.86 | -2.03 | -1.96 |
| | τ_1 | 3.17 | 1.36 | 1.36 | -0.33 | 1.43 | 1.44 |
| | τ_2 | -1.23 | -1.76 | -1.76 | -2.45 | -1.76 | -1.76 |
| 295.0 | τ_0 | -3.04 | -2.50 | -2.45 | -0.84 | -2.33 | -2.25 |
| | τ_1 | 3.39 | 1.21 | 1.21 | -0.39 | 1.22 | 1.22 |
| | τ_2 | -1.30 | -1.59 | -1.59 | -2.50 | -1.60 | -1.60 |
| 300.0 | τ_0 | -2.86 | -2.81 | -2.76 | -0.84 | -2.63 | -2.56 |
| | τ_1 | 3.36 | 1.00 | 1.00 | -0.45 | 1.01 | 1.01 |
| | τ_2 | -1.42 | -1.42 | -1.42 | -2.51 | -1.43 | -1.43 |
| 305.0 | τ_0 | -2.67 | -3.12 | -3.07 | -0.85 | -2.95 | -2.88 |
| | τ_1 | 3.28 | 0.81 | 0.81 | -0.50 | 0.81 | 0.82 |
| | τ_2 | -1.53 | -1.25 | -1.25 | -2.51 | -1.25 | -1.26 |
| 310.0 | τ_0 | -2.48 | -3.43 | -3.39 | -0.87 | -3.26 | -3.19 |
| | τ_1 | 3.16 | 0.63 | 0.64 | -0.53 | 0.64 | 0.65 |
| | τ_2 | -1.65 | -1.07 | -1.08 | -2.51 | -1.08 | -1.09 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 315.0 | τ_0 | -2.30 | -3.74 | -3.70 | -0.90 | -3.58 | -3.50 |
| | τ_1 | 2.99 | 0.48 | 0.48 | -0.55 | 0.49 | 0.50 |
| | τ_2 | -1.76 | -0.90 | -0.90 | -2.49 | -0.91 | -0.91 |
| 320.0 | τ_0 | -2.12 | -4.04 | -3.99 | -0.95 | -3.87 | -3.80 |
| | τ_1 | 2.78 | 0.35 | 0.35 | -0.55 | 0.36 | 0.37 |
| | τ_2 | -1.87 | -0.74 | -0.74 | -2.47 | -0.74 | -0.75 |
| 325.0 | τ_0 | -1.95 | -4.32 | -4.28 | -0.99 | -4.16 | -4.09 |
| | τ_1 | 2.53 | 0.24 | 0.24 | -0.53 | 0.25 | 0.26 |
| | τ_2 | -1.97 | -0.58 | -0.58 | -2.45 | -0.58 | -0.59 |
| 330.0 | τ_0 | -1.81 | -4.58 | -4.53 | -1.04 | -4.42 | -4.35 |
| | τ_1 | 2.24 | 0.16 | 0.16 | -0.50 | 0.17 | 0.17 |
| | τ_2 | -2.07 | -0.44 | -0.44 | -2.43 | -0.44 | -0.44 |
| 335.0 | τ_0 | -1.67 | -4.80 | -4.76 | -1.09 | -4.64 | -4.58 |
| | τ_1 | 1.92 | 0.09 | 0.10 | -0.44 | 0.10 | 0.11 |
| | τ_2 | -2.15 | -0.31 | -0.31 | -2.41 | -0.31 | -0.31 |
| 340.0 | τ_0 | -1.56 | -5.00 | -4.96 | -1.13 | -4.84 | -4.77 |
| | τ_1 | 1.57 | 0.05 | 0.05 | -0.37 | 0.06 | 0.06 |
| | τ_2 | -2.22 | -0.20 | -0.20 | -2.39 | -0.20 | -0.20 |
| 345.0 | τ_0 | -1.47 | -5.15 | -5.11 | -1.17 | -5.00 | -4.93 |
| | τ_1 | 1.20 | 0.02 | 0.02 | -0.29 | 0.03 | 0.03 |
| | τ_2 | -2.27 | -0.12 | -0.12 | -2.37 | -0.12 | -0.12 |
| 350.0 | τ_0 | -1.41 | -5.27 | -5.23 | -1.20 | -5.11 | -5.05 |
| | τ_1 | 0.81 | 0.01 | 0.01 | -0.20 | 0.01 | 0.01 |
| | τ_2 | -2.31 | -0.05 | -0.05 | -2.35 | -0.05 | -0.05 |
| 355.0 | τ_0 | -1.37 | -5.34 | -5.30 | -1.22 | -5.18 | -5.12 |
| | τ_1 | 0.41 | 0.00 | 0.00 | -0.10 | 0.00 | 0.00 |
| | τ_2 | -2.33 | -0.01 | -0.01 | -2.35 | -0.01 | -0.01 |
| 360.0 | τ_0 | -5.41 | -5.36 | -5.32 | -5.28 | -5.21 | -5.14 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Ellipticity - Sup Δ | | Depth of source [km] | | | | | |
|-------------------------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | 0.00 | -0.08 | -0.16 | -0.24 | -0.37 | -0.49 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | 0.00 | -0.30 | -0.33 | -0.36 | -0.46 | -0.55 |
| | τ_1 | 0.00 | 0.06 | 0.14 | 0.20 | 0.26 | 0.28 |
| | τ_2 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 |
| 10.0 | τ_0 | 0.00 | -0.52 | -0.58 | -0.60 | -0.64 | -0.70 |
| | τ_1 | 0.00 | 0.13 | 0.08 | 0.16 | 0.26 | 0.33 |
| | τ_2 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 |

| Ellipticity - S | | Depth of source [km] | | | | | |
|-----------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 5.0 | τ_0 | -0.31 | -0.31 | -0.32 | -0.31 | -0.15 | -0.08 |
| | τ_1 | -0.02 | -0.07 | -0.06 | -0.24 | -0.13 | -0.07 |
| | τ_2 | 0.00 | -0.01 | 0.08 | 0.01 | 0.00 | 0.00 |
| 10.0 | τ_0 | -0.57 | -0.54 | -0.53 | -0.51 | -0.41 | -0.37 |
| | τ_1 | -0.09 | -0.17 | -0.24 | -0.32 | -0.32 | -0.34 |
| | τ_2 | -0.01 | -0.02 | -0.03 | -0.03 | -0.04 | -0.05 |
| 15.0 | τ_0 | -0.81 | -0.77 | -0.74 | -0.72 | -0.67 | -0.66 |
| | τ_1 | -0.18 | -0.26 | -0.34 | -0.39 | -0.52 | -0.60 |
| | τ_2 | -0.03 | -0.04 | -0.06 | -0.08 | -0.09 | -0.10 |
| 20.0 | τ_0 | -1.01 | -0.95 | -0.90 | -0.88 | -0.79 | -0.72 |
| | τ_1 | -0.30 | -0.36 | -0.42 | -0.47 | -0.58 | -0.68 |
| | τ_2 | -0.11 | -0.12 | -0.13 | -0.15 | -0.16 | -0.16 |
| 25.0 | τ_0 | -1.15 | -1.07 | -1.01 | -0.95 | -0.84 | -0.77 |
| | τ_1 | -0.42 | -0.46 | -0.51 | -0.56 | -0.67 | -0.77 |
| | τ_2 | -0.20 | -0.21 | -0.21 | -0.22 | -0.23 | -0.23 |
| 30.0 | τ_0 | -1.19 | -1.11 | -1.04 | -0.98 | -0.87 | -0.79 |
| | τ_1 | -0.51 | -0.56 | -0.61 | -0.66 | -0.76 | -0.85 |
| | τ_2 | -0.28 | -0.28 | -0.29 | -0.30 | -0.30 | -0.32 |
| 35.0 | τ_0 | -1.20 | -1.12 | -1.05 | -0.99 | -0.87 | -0.79 |
| | τ_1 | -0.60 | -0.64 | -0.69 | -0.74 | -0.83 | -0.92 |
| | τ_2 | -0.37 | -0.37 | -0.38 | -0.39 | -0.40 | -0.41 |
| 40.0 | τ_0 | -1.19 | -1.11 | -1.04 | -0.97 | -0.86 | -0.76 |
| | τ_1 | -0.67 | -0.71 | -0.75 | -0.80 | -0.89 | -0.97 |
| | τ_2 | -0.47 | -0.48 | -0.48 | -0.49 | -0.51 | -0.52 |
| 45.0 | τ_0 | -1.16 | -1.08 | -1.01 | -0.94 | -0.82 | -0.71 |
| | τ_1 | -0.71 | -0.75 | -0.79 | -0.83 | -0.92 | -0.99 |
| | τ_2 | -0.58 | -0.59 | -0.60 | -0.61 | -0.62 | -0.64 |
| 50.0 | τ_0 | -1.12 | -1.03 | -0.96 | -0.89 | -0.76 | -0.65 |
| | τ_1 | -0.73 | -0.77 | -0.80 | -0.84 | -0.91 | -0.98 |
| | τ_2 | -0.71 | -0.71 | -0.72 | -0.73 | -0.74 | -0.76 |
| 55.0 | τ_0 | -1.05 | -0.97 | -0.90 | -0.82 | -0.69 | -0.58 |
| | τ_1 | -0.71 | -0.74 | -0.78 | -0.81 | -0.88 | -0.94 |
| | τ_2 | -0.83 | -0.84 | -0.85 | -0.85 | -0.87 | -0.89 |
| 60.0 | τ_0 | -0.99 | -0.90 | -0.83 | -0.75 | -0.62 | -0.50 |
| | τ_1 | -0.65 | -0.68 | -0.71 | -0.75 | -0.80 | -0.86 |
| | τ_2 | -0.96 | -0.97 | -0.97 | -0.98 | -1.00 | -1.01 |
| 65.0 | τ_0 | -0.92 | -0.84 | -0.76 | -0.69 | -0.55 | -0.43 |
| | τ_1 | -0.56 | -0.59 | -0.61 | -0.64 | -0.69 | -0.74 |
| | τ_2 | -1.08 | -1.09 | -1.09 | -1.10 | -1.12 | -1.13 |
| 70.0 | τ_0 | -0.87 | -0.78 | -0.70 | -0.63 | -0.49 | -0.37 |
| | τ_1 | -0.42 | -0.45 | -0.47 | -0.50 | -0.55 | -0.59 |
| | τ_2 | -1.19 | -1.20 | -1.21 | -1.21 | -1.23 | -1.24 |
| 75.0 | τ_0 | -0.83 | -0.74 | -0.66 | -0.58 | -0.45 | -0.32 |
| | τ_1 | -0.26 | -0.28 | -0.30 | -0.32 | -0.36 | -0.40 |
| | τ_2 | -1.29 | -1.30 | -1.30 | -1.31 | -1.33 | -1.34 |
| 80.0 | τ_0 | -0.81 | -0.72 | -0.64 | -0.56 | -0.43 | -0.30 |
| | τ_1 | -0.06 | -0.08 | -0.09 | -0.11 | -0.15 | -0.18 |
| | τ_2 | -1.38 | -1.38 | -1.39 | -1.39 | -1.41 | -1.42 |

| | | | | | | | |
|-------------|----------|-------|-------|-------|-------|-------|-------|
| 85.0 | τ_0 | -0.81 | -0.73 | -0.65 | -0.57 | -0.43 | -0.31 |
| | τ_1 | 0.17 | 0.15 | 0.14 | 0.12 | 0.09 | 0.06 |
| | τ_2 | -1.44 | -1.44 | -1.45 | -1.46 | -1.47 | -1.48 |
| 90.0 | τ_0 | -0.86 | -0.77 | -0.69 | -0.61 | -0.47 | -0.35 |
| | τ_1 | 0.42 | 0.40 | 0.39 | 0.37 | 0.35 | 0.33 |
| | τ_2 | -1.48 | -1.49 | -1.49 | -1.49 | -1.51 | -1.52 |
| 95.0 | τ_0 | -0.93 | -0.84 | -0.77 | -0.69 | -0.55 | -0.43 |
| | τ_1 | 0.66 | 0.65 | 0.64 | 0.62 | 0.59 | 0.57 |
| | τ_2 | -1.49 | -1.50 | -1.50 | -1.51 | -1.52 | -1.53 |

| Ellipticity - Sdiff | | Depth of source [km] | | | | | |
|---------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 100.0 | τ_0 | -1.04 | -0.95 | -0.88 | -0.80 | -0.65 | -0.53 |
| | τ_1 | 0.90 | 0.89 | 0.88 | 0.86 | 0.82 | 0.81 |
| | τ_2 | -1.48 | -1.48 | -1.48 | -1.48 | -1.48 | -1.48 |
| 105.0 | τ_0 | -1.17 | -1.08 | -1.00 | -0.92 | -0.78 | -0.65 |
| | τ_1 | 1.14 | 1.13 | 1.12 | 1.10 | 1.07 | 1.05 |
| | τ_2 | -1.41 | -1.41 | -1.41 | -1.41 | -1.41 | -1.41 |
| 110.0 | τ_0 | -1.33 | -1.24 | -1.16 | -1.08 | -0.94 | -0.82 |
| | τ_1 | 1.36 | 1.34 | 1.34 | 1.31 | 1.28 | 1.26 |
| | τ_2 | -1.31 | -1.31 | -1.32 | -1.32 | -1.32 | -1.32 |
| 115.0 | τ_0 | -1.52 | -1.43 | -1.36 | -1.28 | -1.13 | -1.01 |
| | τ_1 | 1.53 | 1.52 | 1.51 | 1.49 | 1.46 | 1.44 |
| | τ_2 | -1.20 | -1.20 | -1.20 | -1.21 | -1.21 | -1.21 |
| 120.0 | τ_0 | -1.73 | -1.65 | -1.57 | -1.49 | -1.35 | -1.22 |
| | τ_1 | 1.67 | 1.65 | 1.65 | 1.63 | 1.59 | 1.58 |
| | τ_2 | -1.08 | -1.08 | -1.08 | -1.08 | -1.08 | -1.08 |
| 125.0 | τ_0 | -1.97 | -1.88 | -1.80 | -1.72 | -1.58 | -1.45 |
| | τ_1 | 1.76 | 1.75 | 1.74 | 1.72 | 1.68 | 1.67 |
| | τ_2 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 |
| 130.0 | τ_0 | -2.21 | -2.12 | -2.04 | -1.96 | -1.82 | -1.70 |
| | τ_1 | 1.81 | 1.79 | 1.79 | 1.76 | 1.73 | 1.71 |
| | τ_2 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 |
| 135.0 | τ_0 | -2.45 | -2.37 | -2.29 | -2.21 | -2.06 | -1.94 |
| | τ_1 | 1.80 | 1.78 | 1.78 | 1.76 | 1.72 | 1.71 |
| | τ_2 | -0.66 | -0.66 | -0.67 | -0.67 | -0.67 | -0.67 |
| 140.0 | τ_0 | -2.69 | -2.61 | -2.53 | -2.45 | -2.30 | -2.18 |
| | τ_1 | 1.74 | 1.73 | 1.72 | 1.70 | 1.67 | 1.65 |
| | τ_2 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 | -0.53 |
| 145.0 | τ_0 | -2.92 | -2.83 | -2.76 | -2.68 | -2.53 | -2.41 |
| | τ_1 | 1.64 | 1.63 | 1.62 | 1.60 | 1.56 | 1.55 |
| | τ_2 | -0.39 | -0.39 | -0.40 | -0.40 | -0.40 | -0.40 |
| 150.0 | τ_0 | -3.13 | -3.04 | -2.97 | -2.89 | -2.74 | -2.62 |
| | τ_1 | 1.50 | 1.48 | 1.48 | 1.45 | 1.42 | 1.40 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.28 | -0.28 |

Ellipticity - SKSac

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 65.0 | τ_0 | -1.01 | -0.93 | -0.85 | -0.77 | -0.63 | -0.51 |
| | τ_1 | -0.56 | -0.57 | -0.59 | -0.60 | -0.63 | -0.66 |
| | τ_2 | -1.23 | -1.24 | -1.24 | -1.24 | -1.25 | -1.26 |
| 70.0 | τ_0 | -0.92 | -0.83 | -0.76 | -0.68 | -0.54 | -0.41 |
| | τ_1 | -0.37 | -0.39 | -0.40 | -0.42 | -0.44 | -0.47 |
| | τ_2 | -1.32 | -1.33 | -1.33 | -1.33 | -1.34 | -1.35 |
| 75.0 | τ_0 | -0.86 | -0.77 | -0.69 | -0.62 | -0.48 | -0.35 |
| | τ_1 | -0.17 | -0.18 | -0.20 | -0.21 | -0.24 | -0.26 |
| | τ_2 | -1.40 | -1.40 | -1.40 | -1.41 | -1.41 | -1.42 |
| 80.0 | τ_0 | -0.83 | -0.75 | -0.67 | -0.59 | -0.45 | -0.33 |
| | τ_1 | 0.05 | 0.04 | 0.03 | 0.01 | -0.01 | -0.03 |
| | τ_2 | -1.46 | -1.46 | -1.46 | -1.47 | -1.47 | -1.48 |
| 85.0 | τ_0 | -0.84 | -0.75 | -0.67 | -0.60 | -0.46 | -0.33 |
| | τ_1 | 0.29 | 0.28 | 0.27 | 0.26 | 0.23 | 0.21 |
| | τ_2 | -1.50 | -1.50 | -1.50 | -1.51 | -1.51 | -1.52 |
| 90.0 | τ_0 | -0.87 | -0.79 | -0.71 | -0.63 | -0.50 | -0.37 |
| | τ_1 | 0.53 | 0.52 | 0.51 | 0.50 | 0.48 | 0.46 |
| | τ_2 | -1.52 | -1.52 | -1.52 | -1.52 | -1.53 | -1.53 |
| 95.0 | τ_0 | -0.95 | -0.86 | -0.78 | -0.71 | -0.57 | -0.45 |
| | τ_1 | 0.77 | 0.76 | 0.75 | 0.75 | 0.73 | 0.71 |
| | τ_2 | -1.51 | -1.51 | -1.51 | -1.51 | -1.52 | -1.52 |
| 100.0 | τ_0 | -1.06 | -0.97 | -0.89 | -0.82 | -0.68 | -0.56 |
| | τ_1 | 1.00 | 1.00 | 0.99 | 0.98 | 0.96 | 0.95 |
| | τ_2 | -1.47 | -1.48 | -1.48 | -1.48 | -1.48 | -1.49 |
| 105.0 | τ_0 | -1.20 | -1.11 | -1.03 | -0.96 | -0.82 | -0.70 |
| | τ_1 | 1.22 | 1.21 | 1.20 | 1.20 | 1.18 | 1.17 |
| | τ_2 | -1.42 | -1.42 | -1.42 | -1.43 | -1.43 | -1.43 |
| 110.0 | τ_0 | -1.37 | -1.28 | -1.21 | -1.13 | -0.99 | -0.87 |
| | τ_1 | 1.41 | 1.40 | 1.40 | 1.39 | 1.38 | 1.37 |
| | τ_2 | -1.35 | -1.35 | -1.35 | -1.35 | -1.35 | -1.36 |
| 115.0 | τ_0 | -1.57 | -1.48 | -1.41 | -1.33 | -1.19 | -1.07 |
| | τ_1 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.53 |
| | τ_2 | -1.25 | -1.25 | -1.26 | -1.26 | -1.26 | -1.26 |
| 120.0 | τ_0 | -1.79 | -1.71 | -1.63 | -1.55 | -1.42 | -1.30 |
| | τ_1 | 1.70 | 1.69 | 1.69 | 1.68 | 1.67 | 1.66 |
| | τ_2 | -1.15 | -1.15 | -1.15 | -1.15 | -1.15 | -1.15 |
| 125.0 | τ_0 | -2.03 | -1.95 | -1.87 | -1.79 | -1.66 | -1.54 |
| | τ_1 | 1.78 | 1.78 | 1.77 | 1.77 | 1.76 | 1.75 |
| | τ_2 | -1.03 | -1.03 | -1.03 | -1.03 | -1.03 | -1.03 |
| 130.0 | τ_0 | -2.28 | -2.20 | -2.12 | -2.05 | -1.91 | -1.79 |
| | τ_1 | 1.82 | 1.82 | 1.81 | 1.81 | 1.80 | 1.79 |
| | τ_2 | -0.90 | -0.90 | -0.90 | -0.90 | -0.90 | -0.90 |
| 135.0 | τ_0 | -2.54 | -2.45 | -2.38 | -2.30 | -2.16 | -2.04 |
| | τ_1 | 1.82 | 1.81 | 1.81 | 1.80 | 1.80 | 1.79 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 |
| 140.0 | τ_0 | -2.79 | -2.70 | -2.63 | -2.55 | -2.42 | -2.30 |
| | τ_1 | 1.76 | 1.76 | 1.76 | 1.75 | 1.74 | 1.74 |
| | τ_2 | -0.63 | -0.64 | -0.63 | -0.63 | -0.63 | -0.63 |

Ellipticity - SKSdf

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 105.0 | τ_0 | -1.21 | -1.12 | -1.05 | -0.97 | -0.83 | -0.71 |
| | τ_1 | 1.13 | 1.12 | 1.12 | 1.12 | 1.10 | 1.10 |
| | τ_2 | -1.48 | -1.48 | -1.48 | -1.48 | -1.49 | -1.49 |
| 110.0 | τ_0 | -1.37 | -1.29 | -1.21 | -1.13 | -1.00 | -0.88 |
| | τ_1 | 1.34 | 1.34 | 1.33 | 1.33 | 1.33 | 1.32 |
| | τ_2 | -1.40 | -1.40 | -1.40 | -1.40 | -1.40 | -1.40 |
| 115.0 | τ_0 | -1.57 | -1.48 | -1.41 | -1.33 | -1.19 | -1.08 |
| | τ_1 | 1.52 | 1.52 | 1.52 | 1.52 | 1.51 | 1.51 |
| | τ_2 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 |
| 120.0 | τ_0 | -1.79 | -1.70 | -1.63 | -1.55 | -1.42 | -1.30 |
| | τ_1 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 |
| | τ_2 | -1.17 | -1.17 | -1.17 | -1.17 | -1.17 | -1.18 |
| 125.0 | τ_0 | -2.03 | -1.94 | -1.87 | -1.79 | -1.66 | -1.54 |
| | τ_1 | 1.76 | 1.76 | 1.76 | 1.75 | 1.75 | 1.74 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.05 | -1.05 | -1.05 |
| 130.0 | τ_0 | -2.28 | -2.19 | -2.12 | -2.04 | -1.91 | -1.79 |
| | τ_1 | 1.81 | 1.81 | 1.80 | 1.80 | 1.80 | 1.79 |
| | τ_2 | -0.91 | -0.91 | -0.91 | -0.91 | -0.91 | -0.91 |
| 135.0 | τ_0 | -2.53 | -2.45 | -2.37 | -2.30 | -2.16 | -2.04 |
| | τ_1 | 1.81 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 |
| 140.0 | τ_0 | -2.78 | -2.70 | -2.62 | -2.55 | -2.41 | -2.29 |
| | τ_1 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 |
| | τ_2 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| 145.0 | τ_0 | -3.02 | -2.94 | -2.86 | -2.79 | -2.65 | -2.53 |
| | τ_1 | 1.65 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 |
| | τ_2 | -0.50 | -0.50 | -0.50 | -0.50 | -0.51 | -0.51 |
| 150.0 | τ_0 | -3.24 | -3.16 | -3.08 | -3.01 | -2.87 | -2.75 |
| | τ_1 | 1.51 | 1.51 | 1.51 | 1.51 | 1.50 | 1.50 |
| | τ_2 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 |
| 155.0 | τ_0 | -3.45 | -3.36 | -3.28 | -3.21 | -3.07 | -2.96 |
| | τ_1 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 160.0 | τ_0 | -3.62 | -3.53 | -3.46 | -3.38 | -3.25 | -3.13 |
| | τ_1 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 |
| | τ_2 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| 165.0 | τ_0 | -3.76 | -3.67 | -3.60 | -3.52 | -3.39 | -3.27 |
| | τ_1 | 0.86 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| 170.0 | τ_0 | -3.86 | -3.78 | -3.70 | -3.63 | -3.49 | -3.37 |
| | τ_1 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 |
| | τ_2 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| 175.0 | τ_0 | -3.92 | -3.84 | -3.76 | -3.69 | -3.55 | -3.43 |
| | τ_1 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -3.94 | -3.86 | -3.78 | -3.71 | -3.57 | -3.46 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Ellipticity - pS | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 60.0 | τ_0 | -0.99 | -1.06 | -1.14 | -1.21 | -1.36 | -1.50 |
| | τ_1 | -0.65 | -0.68 | -0.70 | -0.72 | -0.76 | -0.81 |
| | τ_2 | -0.96 | -0.93 | -0.90 | -0.86 | -0.80 | -0.74 |
| 65.0 | τ_0 | -0.92 | -0.99 | -1.05 | -1.11 | -1.24 | -1.37 |
| | τ_1 | -0.56 | -0.57 | -0.58 | -0.58 | -0.60 | -0.62 |
| | τ_2 | -1.08 | -1.06 | -1.04 | -1.01 | -0.97 | -0.93 |
| 70.0 | τ_0 | -0.87 | -0.93 | -0.99 | -1.06 | -1.18 | -1.31 |
| | τ_1 | -0.42 | -0.43 | -0.46 | -0.49 | -0.55 | -0.61 |
| | τ_2 | -1.19 | -1.17 | -1.15 | -1.12 | -1.06 | -1.00 |
| 75.0 | τ_0 | -0.83 | -0.88 | -0.94 | -1.01 | -1.15 | -1.29 |
| | τ_1 | -0.26 | -0.26 | -0.28 | -0.35 | -0.49 | -0.63 |
| | τ_2 | -1.29 | -1.28 | -1.26 | -1.22 | -1.15 | -1.08 |
| 80.0 | τ_0 | -0.81 | -0.86 | -0.92 | -0.97 | -1.09 | -1.20 |
| | τ_1 | -0.06 | -0.06 | -0.08 | -0.12 | -0.21 | -0.29 |
| | τ_2 | -1.38 | -1.36 | -1.35 | -1.32 | -1.36 | -1.32 |
| 85.0 | τ_0 | -0.81 | -0.87 | -0.92 | -0.97 | -1.08 | -1.19 |
| | τ_1 | 0.17 | 0.16 | 0.15 | 0.12 | 0.06 | -0.01 |
| | τ_2 | -1.44 | -1.43 | -1.41 | -1.40 | -1.36 | -1.32 |
| 90.0 | τ_0 | -0.86 | -0.91 | -0.96 | -1.01 | -1.12 | -1.23 |
| | τ_1 | 0.42 | 0.41 | 0.39 | 0.37 | 0.20 | 0.03 |
| | τ_2 | -1.48 | -1.47 | -1.46 | -1.44 | -1.39 | -1.34 |
| 95.0 | τ_0 | -0.93 | -0.99 | -1.03 | -1.08 | -1.17 | -1.27 |
| | τ_1 | 0.66 | 0.67 | 0.65 | 0.63 | 0.54 | 0.44 |
| | τ_2 | -1.49 | -1.49 | -1.48 | -1.47 | -1.43 | -1.40 |
| 100.0 | τ_0 | -1.04 | -1.09 | -1.14 | -1.19 | -1.28 | -1.37 |
| | τ_1 | 0.89 | 0.89 | 0.88 | 0.86 | 0.80 | 0.74 |
| | τ_2 | -1.48 | -1.48 | -1.47 | -1.46 | -1.44 | -1.46 |

Ellipticity - pSKSac

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 70.0 | τ_0 | -0.92 | -0.97 | -1.02 | -1.06 | -1.14 | -1.20 |
| | τ_1 | -0.37 | -0.42 | -0.48 | -0.54 | -0.68 | -0.86 |
| | τ_2 | -1.32 | -1.32 | -1.31 | -1.31 | -1.30 | -1.29 |
| 75.0 | τ_0 | -0.86 | -0.91 | -0.96 | -1.00 | -1.08 | -1.14 |
| | τ_1 | -0.17 | -0.22 | -0.27 | -0.34 | -0.47 | -0.65 |
| | τ_2 | -1.40 | -1.39 | -1.39 | -1.38 | -1.37 | -1.36 |
| 80.0 | τ_0 | -0.83 | -0.88 | -0.93 | -0.97 | -1.05 | -1.11 |
| | τ_1 | 0.05 | 0.01 | -0.05 | -0.10 | -0.25 | -0.43 |
| | τ_2 | -1.46 | -1.45 | -1.45 | -1.44 | -1.43 | -1.42 |
| 85.0 | τ_0 | -0.84 | -0.89 | -0.93 | -0.98 | -1.05 | -1.12 |
| | τ_1 | 0.29 | 0.25 | 0.20 | 0.14 | 0.02 | -0.15 |
| | τ_2 | -1.50 | -1.49 | -1.49 | -1.48 | -1.47 | -1.46 |
| 90.0 | τ_0 | -0.87 | -0.93 | -0.97 | -1.01 | -1.09 | -1.16 |
| | τ_1 | 0.53 | 0.49 | 0.44 | 0.40 | 0.29 | 0.14 |
| | τ_2 | -1.52 | -1.51 | -1.51 | -1.50 | -1.49 | -1.49 |
| 95.0 | τ_0 | -0.95 | -1.00 | -1.04 | -1.09 | -1.16 | -1.23 |
| | τ_1 | 0.77 | 0.74 | 0.70 | 0.65 | 0.55 | 0.42 |
| | τ_2 | -1.51 | -1.50 | -1.50 | -1.50 | -1.49 | -1.48 |
| 100.0 | τ_0 | -1.06 | -1.11 | -1.15 | -1.19 | -1.27 | -1.34 |
| | τ_1 | 1.00 | 0.97 | 0.93 | 0.89 | 0.80 | 0.69 |
| | τ_2 | -1.47 | -1.47 | -1.47 | -1.47 | -1.46 | -1.45 |
| 105.0 | τ_0 | -1.20 | -1.25 | -1.29 | -1.33 | -1.41 | -1.48 |
| | τ_1 | 1.22 | 1.19 | 1.15 | 1.12 | 1.03 | 0.93 |
| | τ_2 | -1.42 | -1.42 | -1.42 | -1.41 | -1.41 | -1.40 |
| 110.0 | τ_0 | -1.37 | -1.42 | -1.47 | -1.51 | -1.58 | -1.65 |
| | τ_1 | 1.41 | 1.38 | 1.35 | 1.32 | 1.24 | 1.14 |
| | τ_2 | -1.35 | -1.34 | -1.34 | -1.34 | -1.34 | -1.33 |
| 115.0 | τ_0 | -1.57 | -1.62 | -1.66 | -1.71 | -1.78 | -1.85 |
| | τ_1 | 1.57 | 1.54 | 1.52 | 1.48 | 1.41 | 1.33 |
| | τ_2 | -1.25 | -1.25 | -1.25 | -1.25 | -1.25 | -1.24 |
| 120.0 | τ_0 | -1.79 | -1.84 | -1.89 | -1.93 | -2.00 | -2.07 |
| | τ_1 | 1.70 | 1.67 | 1.64 | 1.62 | 1.55 | 1.47 |
| | τ_2 | -1.15 | -1.14 | -1.14 | -1.14 | -1.14 | -1.13 |
| 125.0 | τ_0 | -2.03 | -2.08 | -2.13 | -2.17 | -2.24 | -2.31 |
| | τ_1 | 1.78 | 1.76 | 1.73 | 1.71 | 1.65 | 1.58 |
| | τ_2 | -1.03 | -1.02 | -1.02 | -1.02 | -1.02 | -1.02 |
| 130.0 | τ_0 | -2.28 | -2.33 | -2.38 | -2.42 | -2.49 | -2.56 |
| | τ_1 | 1.82 | 1.80 | 1.78 | 1.76 | 1.70 | 1.64 |
| | τ_2 | -0.90 | -0.90 | -0.89 | -0.89 | -0.89 | -0.89 |
| 135.0 | τ_0 | -2.54 | -2.59 | -2.63 | -2.67 | -2.74 | -2.81 |
| | τ_1 | 1.82 | 1.80 | 1.78 | 1.76 | 1.71 | 1.66 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.76 | -0.76 | -0.76 |
| 140.0 | τ_0 | -2.79 | -2.84 | -2.88 | -2.92 | -3.00 | -3.06 |
| | τ_1 | 1.76 | 1.75 | 1.73 | 1.71 | 1.67 | 1.62 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |

Ellipticity - pSKSdf

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 110.0 | τ_0 | -1.37 | -1.42 | -1.46 | -1.50 | -1.58 | -1.64 |
| | τ_1 | 1.34 | 1.33 | 1.31 | 1.30 | 1.26 | 1.22 |
| | τ_2 | -1.40 | -1.40 | -1.40 | -1.40 | -1.39 | -1.39 |
| 115.0 | τ_0 | -1.57 | -1.62 | -1.66 | -1.70 | -1.77 | -1.84 |
| | τ_1 | 1.52 | 1.51 | 1.50 | 1.48 | 1.45 | 1.41 |
| | τ_2 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 |
| 120.0 | τ_0 | -1.79 | -1.84 | -1.88 | -1.92 | -2.00 | -2.06 |
| | τ_1 | 1.67 | 1.65 | 1.64 | 1.62 | 1.59 | 1.55 |
| | τ_2 | -1.17 | -1.17 | -1.17 | -1.17 | -1.17 | -1.17 |
| 125.0 | τ_0 | -2.03 | -2.08 | -2.12 | -2.16 | -2.23 | -2.30 |
| | τ_1 | 1.76 | 1.75 | 1.73 | 1.72 | 1.69 | 1.65 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 130.0 | τ_0 | -2.28 | -2.33 | -2.37 | -2.41 | -2.49 | -2.55 |
| | τ_1 | 1.81 | 1.80 | 1.78 | 1.77 | 1.73 | 1.70 |
| | τ_2 | -0.91 | -0.91 | -0.91 | -0.91 | -0.91 | -0.91 |
| 135.0 | τ_0 | -2.53 | -2.58 | -2.62 | -2.66 | -2.74 | -2.80 |
| | τ_1 | 1.81 | 1.79 | 1.78 | 1.77 | 1.73 | 1.70 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 |
| 140.0 | τ_0 | -2.78 | -2.83 | -2.87 | -2.91 | -2.99 | -3.05 |
| | τ_1 | 1.75 | 1.74 | 1.73 | 1.72 | 1.69 | 1.65 |
| | τ_2 | -0.64 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |
| 145.0 | τ_0 | -3.02 | -3.07 | -3.11 | -3.15 | -3.23 | -3.29 |
| | τ_1 | 1.65 | 1.64 | 1.63 | 1.62 | 1.59 | 1.56 |
| | τ_2 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 |
| 150.0 | τ_0 | -3.24 | -3.29 | -3.34 | -3.38 | -3.45 | -3.52 |
| | τ_1 | 1.51 | 1.50 | 1.49 | 1.48 | 1.46 | 1.43 |
| | τ_2 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 |
| 155.0 | τ_0 | -3.45 | -3.49 | -3.54 | -3.58 | -3.65 | -3.72 |
| | τ_1 | 1.33 | 1.32 | 1.31 | 1.30 | 1.28 | 1.26 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 160.0 | τ_0 | -3.62 | -3.67 | -3.71 | -3.75 | -3.82 | -3.89 |
| | τ_1 | 1.11 | 1.10 | 1.09 | 1.09 | 1.07 | 1.05 |
| | τ_2 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| 165.0 | τ_0 | -3.76 | -3.81 | -3.85 | -3.89 | -3.96 | -4.03 |
| | τ_1 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 | 0.82 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| 170.0 | τ_0 | -3.86 | -3.91 | -3.95 | -3.99 | -4.07 | -4.13 |
| | τ_1 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.56 |
| | τ_2 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| 175.0 | τ_0 | -3.92 | -3.97 | -4.01 | -4.05 | -4.13 | -4.19 |
| | τ_1 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.28 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -3.94 | -3.99 | -4.04 | -4.08 | -4.15 | -4.21 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Ellipticity - sS | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 20.0 | τ_0 | -1.01 | -1.07 | -1.10 | -1.11 | -1.27 | -1.43 |
| | τ_1 | -0.30 | -0.38 | -0.46 | -0.54 | -0.69 | -0.84 |
| | τ_2 | -0.11 | -0.11 | -0.12 | -0.13 | -0.16 | -0.20 |
| 25.0 | τ_0 | -1.15 | -1.22 | -1.27 | -1.24 | -1.34 | -1.44 |
| | τ_1 | -0.42 | -0.48 | -0.55 | -0.65 | -0.78 | -0.90 |
| | τ_2 | -0.20 | -0.20 | -0.20 | -0.19 | -0.24 | -0.28 |
| 30.0 | τ_0 | -1.19 | -1.26 | -1.32 | -1.37 | -1.41 | -1.45 |
| | τ_1 | -0.51 | -0.58 | -0.64 | -0.71 | -0.86 | -1.01 |
| | τ_2 | -0.28 | -0.28 | -0.28 | -0.28 | -0.31 | -0.33 |
| 35.0 | τ_0 | -1.20 | -1.28 | -1.34 | -1.39 | -1.43 | -1.50 |
| | τ_1 | -0.60 | -0.66 | -0.73 | -0.80 | -0.95 | -1.21 |
| | τ_2 | -0.37 | -0.36 | -0.36 | -0.37 | -0.39 | -0.51 |
| 40.0 | τ_0 | -1.19 | -1.27 | -1.33 | -1.39 | -1.44 | -1.38 |
| | τ_1 | -0.67 | -0.73 | -0.80 | -0.87 | -1.02 | -1.18 |
| | τ_2 | -0.47 | -0.47 | -0.46 | -0.47 | -0.49 | -0.55 |
| 45.0 | τ_0 | -1.16 | -1.24 | -1.31 | -1.36 | -1.43 | -1.39 |
| | τ_1 | -0.71 | -0.78 | -0.84 | -0.91 | -1.06 | -1.23 |
| | τ_2 | -0.58 | -0.58 | -0.58 | -0.58 | -0.59 | -0.65 |
| 50.0 | τ_0 | -1.12 | -1.20 | -1.26 | -1.32 | -1.40 | -1.38 |
| | τ_1 | -0.73 | -0.79 | -0.86 | -0.93 | -1.08 | -1.25 |
| | τ_2 | -0.71 | -0.70 | -0.70 | -0.70 | -0.71 | -0.75 |
| 55.0 | τ_0 | -1.05 | -1.14 | -1.21 | -1.27 | -1.35 | -1.36 |
| | τ_1 | -0.71 | -0.77 | -0.84 | -0.91 | -1.06 | -1.23 |
| | τ_2 | -0.83 | -0.83 | -0.82 | -0.82 | -0.83 | -0.86 |
| 60.0 | τ_0 | -0.99 | -1.07 | -1.14 | -1.21 | -1.30 | -1.32 |
| | τ_1 | -0.65 | -0.71 | -0.78 | -0.85 | -0.99 | -1.17 |
| | τ_2 | -0.96 | -0.95 | -0.95 | -0.95 | -0.95 | -0.98 |
| 65.0 | τ_0 | -0.92 | -1.01 | -1.08 | -1.15 | -1.24 | -1.28 |
| | τ_1 | -0.56 | -0.62 | -0.68 | -0.75 | -0.89 | -1.07 |
| | τ_2 | -1.08 | -1.07 | -1.07 | -1.07 | -1.07 | -1.09 |
| 70.0 | τ_0 | -0.87 | -0.95 | -1.02 | -1.09 | -1.20 | -1.25 |
| | τ_1 | -0.42 | -0.48 | -0.54 | -0.61 | -0.75 | -0.92 |
| | τ_2 | -1.19 | -1.19 | -1.18 | -1.18 | -1.18 | -1.20 |
| 75.0 | τ_0 | -0.83 | -0.91 | -0.99 | -1.05 | -1.16 | -1.22 |
| | τ_1 | -0.26 | -0.31 | -0.37 | -0.44 | -0.58 | -0.74 |
| | τ_2 | -1.29 | -1.29 | -1.28 | -1.28 | -1.28 | -1.30 |
| 80.0 | τ_0 | -0.81 | -0.89 | -0.97 | -1.04 | -1.15 | -1.22 |
| | τ_1 | -0.06 | -0.11 | -0.17 | -0.23 | -0.37 | -0.53 |
| | τ_2 | -1.38 | -1.37 | -1.37 | -1.37 | -1.37 | -1.38 |
| 85.0 | τ_0 | -0.81 | -0.90 | -0.97 | -1.05 | -1.16 | -1.24 |
| | τ_1 | 0.17 | 0.12 | 0.06 | 0.00 | -0.13 | -0.29 |
| | τ_2 | -1.44 | -1.44 | -1.43 | -1.43 | -1.43 | -1.44 |
| 90.0 | τ_0 | -0.86 | -0.94 | -1.02 | -1.09 | -1.21 | -1.29 |
| | τ_1 | 0.42 | 0.37 | 0.31 | 0.26 | 0.13 | -0.02 |
| | τ_2 | -1.48 | -1.48 | -1.47 | -1.47 | -1.47 | -1.48 |
| 95.0 | τ_0 | -0.93 | -1.02 | -1.09 | -1.16 | -1.29 | -1.38 |
| | τ_1 | 0.66 | 0.62 | 0.57 | 0.52 | 0.40 | 0.26 |
| | τ_2 | -1.49 | -1.49 | -1.49 | -1.49 | -1.49 | -1.49 |

| | | | | | | | |
|-------|----------|-------|-------|-------|-------|-------|-------|
| 100.0 | τ_0 | -1.04 | -1.12 | -1.20 | -1.27 | -1.40 | -1.49 |
| | τ_1 | 0.89 | 0.85 | 0.80 | 0.75 | 0.64 | 0.50 |
| | τ_2 | -1.48 | -1.48 | -1.48 | -1.48 | -1.48 | -1.48 |
| | | | | | | | |

Ellipticity - sSKSac

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 65.0 | τ_0 | -1.01 | -1.10 | -1.17 | -1.25 | -1.38 | -1.46 |
| | τ_1 | -0.56 | -0.60 | -0.64 | -0.68 | -0.77 | -0.85 |
| | τ_2 | -1.23 | -1.23 | -1.23 | -1.23 | -1.23 | -1.23 |
| 70.0 | τ_0 | -0.92 | -1.01 | -1.08 | -1.16 | -1.29 | -1.39 |
| | τ_1 | -0.37 | -0.41 | -0.45 | -0.49 | -0.59 | -0.69 |
| | τ_2 | -1.32 | -1.32 | -1.32 | -1.32 | -1.32 | -1.32 |
| 75.0 | τ_0 | -0.86 | -0.94 | -1.02 | -1.09 | -1.22 | -1.33 |
| | τ_1 | -0.17 | -0.21 | -0.25 | -0.29 | -0.39 | -0.49 |
| | τ_2 | -1.40 | -1.40 | -1.39 | -1.39 | -1.39 | -1.40 |
| 80.0 | τ_0 | -0.83 | -0.92 | -0.99 | -1.07 | -1.20 | -1.30 |
| | τ_1 | 0.05 | 0.02 | -0.02 | -0.07 | -0.15 | -0.25 |
| | τ_2 | -1.46 | -1.46 | -1.45 | -1.45 | -1.45 | -1.45 |
| 85.0 | τ_0 | -0.84 | -0.92 | -1.00 | -1.07 | -1.20 | -1.31 |
| | τ_1 | 0.29 | 0.25 | 0.22 | 0.18 | 0.10 | 0.00 |
| | τ_2 | -1.50 | -1.50 | -1.50 | -1.49 | -1.49 | -1.49 |
| 90.0 | τ_0 | -0.87 | -0.96 | -1.04 | -1.11 | -1.24 | -1.35 |
| | τ_1 | 0.53 | 0.50 | 0.47 | 0.43 | 0.36 | 0.27 |
| | τ_2 | -1.52 | -1.51 | -1.51 | -1.51 | -1.51 | -1.51 |
| 95.0 | τ_0 | -0.95 | -1.03 | -1.11 | -1.19 | -1.32 | -1.43 |
| | τ_1 | 0.77 | 0.74 | 0.71 | 0.68 | 0.61 | 0.53 |
| | τ_2 | -1.51 | -1.51 | -1.50 | -1.50 | -1.50 | -1.50 |
| 100.0 | τ_0 | -1.06 | -1.14 | -1.22 | -1.29 | -1.43 | -1.54 |
| | τ_1 | 1.00 | 0.98 | 0.95 | 0.92 | 0.86 | 0.78 |
| | τ_2 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 |
| 105.0 | τ_0 | -1.20 | -1.28 | -1.36 | -1.44 | -1.57 | -1.68 |
| | τ_1 | 1.22 | 1.20 | 1.17 | 1.14 | 1.08 | 1.01 |
| | τ_2 | -1.42 | -1.42 | -1.42 | -1.42 | -1.42 | -1.42 |
| 110.0 | τ_0 | -1.37 | -1.46 | -1.53 | -1.61 | -1.74 | -1.86 |
| | τ_1 | 1.41 | 1.39 | 1.36 | 1.34 | 1.28 | 1.22 |
| | τ_2 | -1.35 | -1.34 | -1.34 | -1.34 | -1.34 | -1.34 |
| 115.0 | τ_0 | -1.57 | -1.65 | -1.73 | -1.81 | -1.94 | -2.05 |
| | τ_1 | 1.57 | 1.55 | 1.53 | 1.50 | 1.45 | 1.39 |
| | τ_2 | -1.25 | -1.25 | -1.25 | -1.25 | -1.25 | -1.25 |
| 120.0 | τ_0 | -1.79 | -1.88 | -1.95 | -2.03 | -2.16 | -2.28 |
| | τ_1 | 1.70 | 1.68 | 1.66 | 1.64 | 1.59 | 1.54 |
| | τ_2 | -1.15 | -1.15 | -1.14 | -1.14 | -1.14 | -1.14 |
| 125.0 | τ_0 | -2.03 | -2.12 | -2.19 | -2.27 | -2.40 | -2.52 |
| | τ_1 | 1.78 | 1.76 | 1.75 | 1.73 | 1.68 | 1.63 |
| | τ_2 | -1.03 | -1.02 | -1.02 | -1.02 | -1.02 | -1.02 |
| 130.0 | τ_0 | -2.28 | -2.37 | -2.45 | -2.52 | -2.66 | -2.77 |
| | τ_1 | 1.82 | 1.81 | 1.79 | 1.77 | 1.73 | 1.69 |
| | τ_2 | -0.90 | -0.90 | -0.90 | -0.90 | -0.89 | -0.90 |
| 135.0 | τ_0 | -2.54 | -2.62 | -2.70 | -2.77 | -2.91 | -3.02 |
| | τ_1 | 1.82 | 1.80 | 1.79 | 1.77 | 1.74 | 1.70 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.76 |
| 140.0 | τ_0 | -2.79 | -2.87 | -2.95 | -3.02 | -3.16 | -3.28 |
| | τ_1 | 1.76 | 1.75 | 1.74 | 1.72 | 1.69 | 1.66 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |

Ellipticity - sSKSdf

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 110.0 | τ_0 | -1.37 | -1.45 | -1.53 | -1.61 | -1.74 | -1.86 |
| | τ_1 | 1.34 | 1.33 | 1.32 | 1.31 | 1.28 | 1.25 |
| | τ_2 | -1.40 | -1.40 | -1.40 | -1.40 | -1.40 | -1.40 |
| 115.0 | τ_0 | -1.57 | -1.65 | -1.73 | -1.80 | -1.94 | -2.06 |
| | τ_1 | 1.52 | 1.51 | 1.50 | 1.49 | 1.46 | 1.44 |
| | τ_2 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 | -1.29 |
| 120.0 | τ_0 | -1.79 | -1.87 | -1.95 | -2.02 | -2.16 | -2.28 |
| | τ_1 | 1.67 | 1.66 | 1.64 | 1.63 | 1.61 | 1.58 |
| | τ_2 | -1.17 | -1.17 | -1.17 | -1.17 | -1.17 | -1.17 |
| 125.0 | τ_0 | -2.03 | -2.11 | -2.19 | -2.26 | -2.40 | -2.52 |
| | τ_1 | 1.76 | 1.75 | 1.74 | 1.73 | 1.70 | 1.68 |
| | τ_2 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 | -1.04 |
| 130.0 | τ_0 | -2.28 | -2.36 | -2.44 | -2.51 | -2.65 | -2.77 |
| | τ_1 | 1.81 | 1.80 | 1.79 | 1.78 | 1.75 | 1.73 |
| | τ_2 | -0.91 | -0.91 | -0.91 | -0.91 | -0.91 | -0.91 |
| 135.0 | τ_0 | -2.53 | -2.62 | -2.69 | -2.77 | -2.90 | -3.02 |
| | τ_1 | 1.81 | 1.80 | 1.79 | 1.78 | 1.75 | 1.73 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 | -0.77 |
| 140.0 | τ_0 | -2.78 | -2.87 | -2.94 | -3.02 | -3.15 | -3.27 |
| | τ_1 | 1.75 | 1.75 | 1.74 | 1.73 | 1.70 | 1.68 |
| | τ_2 | -0.64 | -0.64 | -0.63 | -0.63 | -0.63 | -0.63 |
| 145.0 | τ_0 | -3.02 | -3.11 | -3.18 | -3.26 | -3.39 | -3.51 |
| | τ_1 | 1.65 | 1.65 | 1.64 | 1.63 | 1.61 | 1.59 |
| | τ_2 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 |
| 150.0 | τ_0 | -3.24 | -3.33 | -3.41 | -3.48 | -3.62 | -3.73 |
| | τ_1 | 1.51 | 1.50 | 1.50 | 1.49 | 1.47 | 1.45 |
| | τ_2 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 |
| 155.0 | τ_0 | -3.45 | -3.53 | -3.61 | -3.68 | -3.82 | -3.93 |
| | τ_1 | 1.33 | 1.32 | 1.31 | 1.31 | 1.29 | 1.28 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 160.0 | τ_0 | -3.62 | -3.70 | -3.78 | -3.85 | -3.99 | -4.11 |
| | τ_1 | 1.11 | 1.10 | 1.10 | 1.09 | 1.08 | 1.07 |
| | τ_2 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| 165.0 | τ_0 | -3.76 | -3.84 | -3.92 | -3.99 | -4.13 | -4.25 |
| | τ_1 | 0.86 | 0.85 | 0.85 | 0.85 | 0.84 | 0.83 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| 170.0 | τ_0 | -3.86 | -3.94 | -4.02 | -4.10 | -4.23 | -4.35 |
| | τ_1 | 0.58 | 0.58 | 0.58 | 0.58 | 0.57 | 0.56 |
| | τ_2 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| 175.0 | τ_0 | -3.92 | -4.01 | -4.08 | -4.16 | -4.29 | -4.41 |
| | τ_1 | 0.30 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -3.94 | -4.03 | -4.11 | -4.18 | -4.32 | -4.43 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - ScS

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -2.74 | -2.66 | -2.58 | -2.51 | -2.37 | -2.25 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -2.72 | -2.64 | -2.56 | -2.49 | -2.35 | -2.23 |
| | τ_1 | -0.21 | -0.21 | -0.21 | -0.21 | -0.22 | -0.22 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -2.67 | -2.58 | -2.50 | -2.43 | -2.29 | -2.18 |
| | τ_1 | -0.40 | -0.41 | -0.41 | -0.41 | -0.42 | -0.43 |
| | τ_2 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| 15.0 | τ_0 | -2.57 | -2.49 | -2.41 | -2.34 | -2.20 | -2.08 |
| | τ_1 | -0.58 | -0.59 | -0.59 | -0.60 | -0.61 | -0.62 |
| | τ_2 | -0.11 | -0.11 | -0.11 | -0.11 | -0.11 | -0.11 |
| 20.0 | τ_0 | -2.45 | -2.37 | -2.29 | -2.22 | -2.08 | -1.96 |
| | τ_1 | -0.74 | -0.75 | -0.75 | -0.76 | -0.77 | -0.79 |
| | τ_2 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 | -0.19 |
| 25.0 | τ_0 | -2.31 | -2.22 | -2.14 | -2.07 | -1.93 | -1.81 |
| | τ_1 | -0.87 | -0.87 | -0.88 | -0.89 | -0.91 | -0.93 |
| | τ_2 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 |
| 30.0 | τ_0 | -2.14 | -2.06 | -1.98 | -1.90 | -1.76 | -1.64 |
| | τ_1 | -0.96 | -0.97 | -0.98 | -0.99 | -1.01 | -1.03 |
| | τ_2 | -0.40 | -0.40 | -0.40 | -0.40 | -0.40 | -0.41 |
| 35.0 | τ_0 | -1.97 | -1.88 | -1.80 | -1.73 | -1.59 | -1.46 |
| | τ_1 | -1.01 | -1.02 | -1.03 | -1.04 | -1.07 | -1.09 |
| | τ_2 | -0.52 | -0.52 | -0.52 | -0.52 | -0.52 | -0.53 |
| 40.0 | τ_0 | -1.78 | -1.70 | -1.62 | -1.54 | -1.40 | -1.28 |
| | τ_1 | -1.03 | -1.04 | -1.05 | -1.06 | -1.09 | -1.11 |
| | τ_2 | -0.64 | -0.64 | -0.65 | -0.65 | -0.65 | -0.66 |
| 45.0 | τ_0 | -1.60 | -1.52 | -1.44 | -1.36 | -1.22 | -1.10 |
| | τ_1 | -1.00 | -1.02 | -1.03 | -1.04 | -1.07 | -1.09 |
| | τ_2 | -0.77 | -0.77 | -0.77 | -0.78 | -0.78 | -0.79 |
| 50.0 | τ_0 | -1.43 | -1.34 | -1.27 | -1.19 | -1.05 | -0.93 |
| | τ_1 | -0.94 | -0.96 | -0.97 | -0.98 | -1.01 | -1.04 |
| | τ_2 | -0.90 | -0.90 | -0.90 | -0.90 | -0.91 | -0.91 |
| 55.0 | τ_0 | -1.27 | -1.18 | -1.11 | -1.03 | -0.89 | -0.77 |
| | τ_1 | -0.84 | -0.86 | -0.87 | -0.89 | -0.92 | -0.94 |
| | τ_2 | -1.02 | -1.02 | -1.02 | -1.03 | -1.03 | -1.04 |
| 60.0 | τ_0 | -1.13 | -1.04 | -0.96 | -0.89 | -0.75 | -0.62 |
| | τ_1 | -0.72 | -0.73 | -0.74 | -0.76 | -0.79 | -0.82 |
| | τ_2 | -1.13 | -1.13 | -1.14 | -1.14 | -1.14 | -1.15 |
| 65.0 | τ_0 | -1.01 | -0.92 | -0.85 | -0.77 | -0.63 | -0.51 |
| | τ_1 | -0.56 | -0.57 | -0.59 | -0.60 | -0.63 | -0.66 |
| | τ_2 | -1.23 | -1.23 | -1.24 | -1.24 | -1.25 | -1.25 |
| 70.0 | τ_0 | -0.92 | -0.83 | -0.75 | -0.68 | -0.54 | -0.41 |
| | τ_1 | -0.38 | -0.39 | -0.41 | -0.42 | -0.45 | -0.48 |
| | τ_2 | -1.32 | -1.32 | -1.32 | -1.33 | -1.33 | -1.34 |
| 75.0 | τ_0 | -0.86 | -0.77 | -0.69 | -0.62 | -0.47 | -0.35 |
| | τ_1 | -0.18 | -0.19 | -0.21 | -0.22 | -0.25 | -0.28 |
| | τ_2 | -1.39 | -1.39 | -1.40 | -1.40 | -1.41 | -1.41 |

| | | | | | | | |
|-------------|----------|-------|-------|-------|-------|-------|-------|
| 80.0 | τ_0 | -0.83 | -0.74 | -0.66 | -0.58 | -0.44 | -0.32 |
| | τ_1 | 0.04 | 0.02 | 0.01 | -0.01 | -0.04 | -0.07 |
| | τ_2 | -1.45 | -1.45 | -1.45 | -1.46 | -1.46 | -1.47 |
| 85.0 | τ_0 | -0.83 | -0.74 | -0.66 | -0.59 | -0.45 | -0.32 |
| | τ_1 | 0.26 | 0.24 | 0.23 | 0.21 | 0.18 | 0.15 |
| | τ_2 | -1.48 | -1.49 | -1.49 | -1.49 | -1.50 | -1.51 |
| 90.0 | τ_0 | -0.87 | -0.78 | -0.70 | -0.62 | -0.48 | -0.36 |
| | τ_1 | 0.48 | 0.46 | 0.45 | 0.43 | 0.40 | 0.37 |
| | τ_2 | -1.50 | -1.50 | -1.51 | -1.51 | -1.52 | -1.53 |

Ellipticity - PcS

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 0.0 | τ_0 | -2.12 | -2.07 | -2.03 | -1.99 | -1.92 | -1.85 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | τ_0 | -2.10 | -2.06 | -2.01 | -1.97 | -1.90 | -1.83 |
| | τ_1 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 | -0.22 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 10.0 | τ_0 | -2.05 | -2.00 | -1.96 | -1.92 | -1.84 | -1.78 |
| | τ_1 | -0.40 | -0.41 | -0.41 | -0.41 | -0.42 | -0.42 |
| | τ_2 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| 15.0 | τ_0 | -1.96 | -1.92 | -1.87 | -1.83 | -1.76 | -1.69 |
| | τ_1 | -0.59 | -0.59 | -0.59 | -0.60 | -0.61 | -0.61 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| 20.0 | τ_0 | -1.85 | -1.80 | -1.76 | -1.72 | -1.64 | -1.57 |
| | τ_1 | -0.75 | -0.75 | -0.76 | -0.76 | -0.77 | -0.78 |
| | τ_2 | -0.17 | -0.17 | -0.17 | -0.18 | -0.18 | -0.18 |
| 25.0 | τ_0 | -1.71 | -1.66 | -1.62 | -1.57 | -1.50 | -1.43 |
| | τ_1 | -0.88 | -0.88 | -0.89 | -0.90 | -0.91 | -0.92 |
| | τ_2 | -0.26 | -0.26 | -0.27 | -0.27 | -0.27 | -0.27 |
| 30.0 | τ_0 | -1.55 | -1.50 | -1.46 | -1.41 | -1.34 | -1.27 |
| | τ_1 | -0.98 | -0.99 | -0.99 | -1.00 | -1.01 | -1.03 |
| | τ_2 | -0.37 | -0.37 | -0.37 | -0.37 | -0.37 | -0.37 |
| 35.0 | τ_0 | -1.38 | -1.33 | -1.29 | -1.24 | -1.17 | -1.10 |
| | τ_1 | -1.05 | -1.05 | -1.06 | -1.07 | -1.08 | -1.10 |
| | τ_2 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 | -0.49 |
| 40.0 | τ_0 | -1.20 | -1.15 | -1.11 | -1.07 | -0.99 | -0.92 |
| | τ_1 | -1.07 | -1.08 | -1.09 | -1.10 | -1.11 | -1.13 |
| | τ_2 | -0.60 | -0.60 | -0.60 | -0.60 | -0.60 | -0.61 |
| 45.0 | τ_0 | -1.02 | -0.97 | -0.93 | -0.89 | -0.81 | -0.74 |
| | τ_1 | -1.07 | -1.08 | -1.08 | -1.09 | -1.11 | -1.12 |
| | τ_2 | -0.71 | -0.72 | -0.72 | -0.72 | -0.72 | -0.73 |
| 50.0 | τ_0 | -0.85 | -0.80 | -0.76 | -0.72 | -0.64 | -0.57 |
| | τ_1 | -1.02 | -1.03 | -1.04 | -1.05 | -1.06 | -1.08 |
| | τ_2 | -0.83 | -0.83 | -0.84 | -0.84 | -0.84 | -0.85 |
| 55.0 | τ_0 | -0.69 | -0.64 | -0.60 | -0.55 | -0.48 | -0.41 |
| | τ_1 | -0.94 | -0.95 | -0.96 | -0.97 | -0.98 | -1.00 |
| | τ_2 | -0.95 | -0.95 | -0.95 | -0.95 | -0.95 | -0.96 |
| 60.0 | τ_0 | -0.54 | -0.50 | -0.45 | -0.41 | -0.33 | -0.27 |
| | τ_1 | -0.83 | -0.84 | -0.84 | -0.85 | -0.87 | -0.89 |
| | τ_2 | -1.05 | -1.05 | -1.05 | -1.06 | -1.06 | -1.06 |

Ellipticity - PKSab

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 130.0 | τ_0 | -1.64 | -1.58 | -1.53 | -1.49 | -1.41 | -1.34 |
| | τ_1 | 1.55 | 1.55 | 1.53 | 1.51 | 1.48 | 1.45 |
| | τ_2 | -0.88 | -0.89 | -0.89 | -0.89 | -0.90 | -0.90 |
| 135.0 | τ_0 | -1.82 | -1.77 | -1.73 | -1.68 | -1.61 | -1.54 |
| | τ_1 | 1.43 | 1.43 | 1.42 | 1.41 | 1.39 | 1.37 |
| | τ_2 | -0.79 | -0.79 | -0.80 | -0.80 | -0.80 | -0.81 |
| 140.0 | τ_0 | -2.01 | -1.96 | -1.92 | -1.88 | -1.80 | -1.73 |
| | τ_1 | 1.32 | 1.31 | 1.31 | 1.30 | 1.28 | 1.27 |
| | τ_2 | -0.70 | -0.70 | -0.70 | -0.71 | -0.71 | -0.72 |

Ellipticity - PKSbc

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 130.0 | τ_0 | -1.65 | -1.59 | -1.55 | -1.52 | -1.45 | -1.38 |
| | τ_1 | 1.57 | 1.57 | 1.58 | 1.59 | 1.60 | 1.61 |
| | τ_2 | -0.87 | -0.88 | -0.88 | -0.88 | -0.88 | -0.88 |
| 135.0 | τ_0 | -1.91 | -1.87 | -1.82 | -1.78 | -1.71 | -1.64 |
| | τ_1 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| | τ_2 | -0.75 | -0.75 | -0.75 | -0.75 | -0.75 | -0.75 |
| 140.0 | τ_0 | -2.17 | -2.12 | -2.08 | -2.04 | -1.96 | -1.90 |
| | τ_1 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 |
| 145.0 | τ_0 | -2.41 | -2.36 | -2.32 | -2.28 | -2.21 | -2.14 |
| | τ_1 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| | τ_2 | -0.49 | -0.49 | -0.49 | -0.50 | -0.50 | -0.50 |

Ellipticity - PKSdf

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 110.0 | τ_0 | -0.76 | -0.71 | -0.67 | -0.62 | -0.55 | -0.48 |
| | τ_1 | 1.26 | 1.26 | 1.26 | 1.25 | 1.25 | 1.25 |
| | τ_2 | -1.38 | -1.38 | -1.38 | -1.39 | -1.39 | -1.39 |
| 115.0 | τ_0 | -0.95 | -0.91 | -0.86 | -0.82 | -0.75 | -0.68 |
| | τ_1 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 | 1.43 |
| | τ_2 | -1.28 | -1.28 | -1.28 | -1.28 | -1.28 | -1.29 |
| 120.0 | τ_0 | -1.18 | -1.13 | -1.08 | -1.04 | -0.97 | -0.90 |
| | τ_1 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.57 |
| | τ_2 | -1.16 | -1.16 | -1.16 | -1.16 | -1.17 | -1.17 |
| 125.0 | τ_0 | -1.41 | -1.37 | -1.32 | -1.28 | -1.21 | -1.14 |
| | τ_1 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 |
| | τ_2 | -1.03 | -1.03 | -1.04 | -1.04 | -1.04 | -1.04 |
| 130.0 | τ_0 | -1.66 | -1.62 | -1.57 | -1.53 | -1.46 | -1.39 |
| | τ_1 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 |
| | τ_2 | -0.90 | -0.90 | -0.90 | -0.90 | -0.90 | -0.90 |
| 135.0 | τ_0 | -1.92 | -1.87 | -1.83 | -1.79 | -1.71 | -1.65 |
| | τ_1 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 |
| | τ_2 | -0.76 | -0.76 | -0.76 | -0.76 | -0.76 | -0.76 |
| 140.0 | τ_0 | -2.17 | -2.12 | -2.08 | -2.04 | -1.96 | -1.90 |
| | τ_1 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |
| 145.0 | τ_0 | -2.41 | -2.36 | -2.32 | -2.28 | -2.20 | -2.14 |
| | τ_1 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| | τ_2 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 | -0.50 |
| 150.0 | τ_0 | -2.63 | -2.58 | -2.54 | -2.50 | -2.42 | -2.36 |
| | τ_1 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | τ_2 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 | -0.38 |
| 155.0 | τ_0 | -2.83 | -2.78 | -2.74 | -2.70 | -2.62 | -2.56 |
| | τ_1 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 |
| | τ_2 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 | -0.27 |
| 160.0 | τ_0 | -3.00 | -2.95 | -2.91 | -2.87 | -2.80 | -2.73 |
| | τ_1 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | τ_2 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 | -0.18 |
| 165.0 | τ_0 | -3.14 | -3.09 | -3.05 | -3.01 | -2.93 | -2.87 |
| | τ_1 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 |
| | τ_2 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| 170.0 | τ_0 | -3.24 | -3.19 | -3.15 | -3.11 | -3.04 | -2.97 |
| | τ_1 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 |
| | τ_2 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| 175.0 | τ_0 | -3.30 | -3.26 | -3.21 | -3.17 | -3.10 | -3.03 |
| | τ_1 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 180.0 | τ_0 | -3.32 | -3.28 | -3.23 | -3.19 | -3.12 | -3.06 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - PKKSab

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 215.0 | τ_0 | -1.88 | -1.83 | -1.79 | -1.74 | -1.67 | -1.60 |
| | τ_1 | 2.09 | 2.08 | 2.07 | 2.06 | 2.04 | 2.02 |
| | τ_2 | -1.26 | -1.26 | -1.26 | -1.26 | -1.27 | -1.27 |
| 220.0 | τ_0 | -1.69 | -1.64 | -1.59 | -1.56 | -1.48 | -1.41 |
| | τ_1 | 2.13 | 2.12 | 2.12 | 2.11 | 2.10 | 2.09 |
| | τ_2 | -1.39 | -1.39 | -1.39 | -1.39 | -1.39 | -1.40 |

Ellipticity - PKKSbc

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 215.0 | τ_0 | -1.87 | -1.82 | -1.78 | -1.74 | -1.65 | -1.58 |
| | τ_1 | 2.14 | 2.14 | 2.14 | 2.13 | 2.13 | 2.12 |
| | τ_2 | -1.26 | -1.27 | -1.27 | -1.27 | -1.28 | -1.28 |
| 220.0 | τ_0 | -1.67 | -1.62 | -1.58 | -1.53 | -1.45 | -1.38 |
| | τ_1 | 2.28 | 2.28 | 2.27 | 2.27 | 2.26 | 2.26 |
| | τ_2 | -1.40 | -1.41 | -1.41 | -1.41 | -1.42 | -1.42 |
| 225.0 | τ_0 | -1.47 | -1.42 | -1.37 | -1.33 | -1.25 | -1.17 |
| | τ_1 | 2.35 | 2.35 | 2.34 | 2.34 | 2.33 | 2.33 |
| | τ_2 | -1.54 | -1.54 | -1.54 | -1.55 | -1.56 | -1.56 |
| 230.0 | τ_0 | -1.27 | -1.22 | -1.18 | -1.13 | -1.06 | -0.98 |
| | τ_1 | 2.36 | 2.36 | 2.36 | 2.35 | 2.35 | 2.34 |
| | τ_2 | -1.67 | -1.68 | -1.68 | -1.68 | -1.68 | -1.69 |
| 235.0 | τ_0 | -1.10 | -1.04 | -1.00 | -0.96 | -0.88 | -0.80 |
| | τ_1 | 2.32 | 2.32 | 2.31 | 2.31 | 2.31 | 2.30 |
| | τ_2 | -1.79 | -1.80 | -1.80 | -1.80 | -1.81 | -1.81 |
| 240.0 | τ_0 | -0.94 | -0.89 | -0.84 | -0.80 | -0.72 | -0.64 |
| | τ_1 | 2.23 | 2.23 | 2.22 | 2.22 | 2.21 | 2.21 |
| | τ_2 | -1.90 | -1.91 | -1.91 | -1.91 | -1.92 | -1.92 |
| 245.0 | τ_0 | -0.81 | -0.76 | -0.71 | -0.67 | -0.59 | -0.51 |
| | τ_1 | 2.09 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| | τ_2 | -2.00 | -2.00 | -2.00 | -2.00 | -2.01 | -2.01 |
| 250.0 | τ_0 | -0.71 | -0.66 | -0.61 | -0.57 | -0.49 | -0.42 |
| | τ_1 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 |
| | τ_2 | -2.07 | -2.07 | -2.07 | -2.07 | -2.08 | -2.09 |
| 255.0 | τ_0 | -0.65 | -0.60 | -0.55 | -0.51 | -0.43 | -0.36 |
| | τ_1 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 |
| | τ_2 | -2.12 | -2.12 | -2.12 | -2.12 | -2.13 | -2.13 |
| 260.0 | τ_0 | -0.63 | -0.58 | -0.54 | -0.49 | -0.41 | -0.34 |
| | τ_1 | 1.44 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |
| | τ_2 | -2.14 | -2.14 | -2.15 | -2.15 | -2.15 | -2.16 |
| 265.0 | τ_0 | -0.65 | -0.60 | -0.56 | -0.52 | -0.44 | -0.36 |
| | τ_1 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 |
| | τ_2 | -2.14 | -2.14 | -2.15 | -2.15 | -2.15 | -2.16 |
| 270.0 | τ_0 | -0.72 | -0.67 | -0.63 | -0.59 | -0.51 | -0.43 |
| | τ_1 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| | τ_2 | -2.12 | -2.12 | -2.12 | -2.12 | -2.12 | -2.13 |
| 275.0 | τ_0 | -0.84 | -0.79 | -0.74 | -0.70 | -0.62 | -0.55 |
| | τ_1 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 |
| | τ_2 | -2.06 | -2.06 | -2.07 | -2.07 | -2.07 | -2.08 |
| 280.0 | τ_0 | -0.99 | -0.94 | -0.90 | -0.85 | -0.78 | -0.70 |
| | τ_1 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| | τ_2 | -1.98 | -1.98 | -1.99 | -1.99 | -1.99 | -2.00 |

Ellipticity - PKKSdf

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 205.0 | τ_0 | -2.17 | -2.13 | -2.08 | -2.05 | -1.97 | -1.90 |
| | τ_1 | 1.87 | 1.86 | 1.86 | 1.85 | 1.85 | 1.84 |
| | τ_2 | -1.16 | -1.16 | -1.16 | -1.16 | -1.16 | -1.16 |
| 210.0 | τ_0 | -2.00 | -1.95 | -1.91 | -1.87 | -1.79 | -1.72 |
| | τ_1 | 2.11 | 2.10 | 2.10 | 2.10 | 2.09 | 2.08 |
| | τ_2 | -1.27 | -1.27 | -1.27 | -1.27 | -1.27 | -1.28 |
| 215.0 | τ_0 | -1.81 | -1.76 | -1.71 | -1.67 | -1.60 | -1.53 |
| | τ_1 | 2.30 | 2.29 | 2.29 | 2.29 | 2.28 | 2.27 |
| | τ_2 | -1.39 | -1.39 | -1.39 | -1.39 | -1.39 | -1.40 |
| 220.0 | τ_0 | -1.61 | -1.56 | -1.52 | -1.47 | -1.40 | -1.33 |
| | τ_1 | 2.43 | 2.43 | 2.43 | 2.42 | 2.42 | 2.41 |
| | τ_2 | -1.51 | -1.51 | -1.51 | -1.52 | -1.52 | -1.52 |
| 225.0 | τ_0 | -1.41 | -1.36 | -1.32 | -1.28 | -1.20 | -1.13 |
| | τ_1 | 2.51 | 2.51 | 2.51 | 2.50 | 2.50 | 2.49 |
| | τ_2 | -1.64 | -1.64 | -1.64 | -1.64 | -1.64 | -1.65 |
| 230.0 | τ_0 | -1.22 | -1.17 | -1.13 | -1.09 | -1.01 | -0.94 |
| | τ_1 | 2.53 | 2.53 | 2.53 | 2.52 | 2.52 | 2.51 |
| | τ_2 | -1.75 | -1.76 | -1.76 | -1.76 | -1.76 | -1.76 |
| 235.0 | τ_0 | -1.05 | -1.00 | -0.95 | -0.91 | -0.83 | -0.76 |
| | τ_1 | 2.48 | 2.48 | 2.48 | 2.47 | 2.47 | 2.46 |
| | τ_2 | -1.87 | -1.87 | -1.87 | -1.87 | -1.87 | -1.88 |
| 240.0 | τ_0 | -0.89 | -0.84 | -0.80 | -0.76 | -0.68 | -0.61 |
| | τ_1 | 2.37 | 2.37 | 2.37 | 2.37 | 2.36 | 2.36 |
| | τ_2 | -1.96 | -1.96 | -1.97 | -1.97 | -1.97 | -1.97 |
| 245.0 | τ_0 | -0.77 | -0.72 | -0.67 | -0.63 | -0.55 | -0.48 |
| | τ_1 | 2.22 | 2.22 | 2.21 | 2.21 | 2.21 | 2.20 |
| | τ_2 | -2.04 | -2.05 | -2.05 | -2.05 | -2.05 | -2.06 |
| 250.0 | τ_0 | -0.67 | -0.62 | -0.58 | -0.54 | -0.46 | -0.39 |
| | τ_1 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 |
| | τ_2 | -2.11 | -2.11 | -2.11 | -2.11 | -2.11 | -2.12 |
| 255.0 | τ_0 | -0.62 | -0.57 | -0.52 | -0.48 | -0.40 | -0.33 |
| | τ_1 | 1.78 | 1.78 | 1.78 | 1.78 | 1.77 | 1.77 |
| | τ_2 | -2.15 | -2.15 | -2.15 | -2.15 | -2.16 | -2.16 |
| 260.0 | τ_0 | -0.60 | -0.55 | -0.51 | -0.46 | -0.39 | -0.32 |
| | τ_1 | 1.52 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 |
| | τ_2 | -2.17 | -2.17 | -2.17 | -2.17 | -2.17 | -2.18 |
| 265.0 | τ_0 | -0.63 | -0.58 | -0.53 | -0.49 | -0.41 | -0.34 |
| | τ_1 | 1.23 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 |
| | τ_2 | -2.16 | -2.16 | -2.16 | -2.16 | -2.17 | -2.17 |
| 270.0 | τ_0 | -0.70 | -0.65 | -0.60 | -0.56 | -0.48 | -0.41 |
| | τ_1 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| | τ_2 | -2.13 | -2.13 | -2.13 | -2.13 | -2.13 | -2.14 |
| 275.0 | τ_0 | -0.81 | -0.76 | -0.72 | -0.67 | -0.60 | -0.53 |
| | τ_1 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| | τ_2 | -2.07 | -2.07 | -2.07 | -2.07 | -2.08 | -2.08 |
| 280.0 | τ_0 | -0.96 | -0.91 | -0.87 | -0.83 | -0.75 | -0.68 |
| | τ_1 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.34 |
| | τ_2 | -1.99 | -1.99 | -1.99 | -1.99 | -2.00 | -2.00 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 285.0 | τ_0 | -1.16 | -1.11 | -1.06 | -1.02 | -0.94 | -0.88 |
| | τ_1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| | τ_2 | -1.89 | -1.89 | -1.89 | -1.89 | -1.89 | -1.90 |
| 290.0 | τ_0 | -1.38 | -1.33 | -1.29 | -1.25 | -1.17 | -1.10 |
| | τ_1 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 | -0.21 |
| | τ_2 | -1.76 | -1.76 | -1.76 | -1.77 | -1.77 | -1.77 |
| 295.0 | τ_0 | -1.64 | -1.59 | -1.55 | -1.51 | -1.43 | -1.36 |
| | τ_1 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 | -0.44 |
| | τ_2 | -1.62 | -1.62 | -1.62 | -1.62 | -1.63 | -1.63 |
| 300.0 | τ_0 | -1.92 | -1.87 | -1.83 | -1.79 | -1.71 | -1.64 |
| | τ_1 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 | -0.64 |
| | τ_2 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 | -1.47 |
| 305.0 | τ_0 | -2.22 | -2.17 | -2.12 | -2.08 | -2.01 | -1.94 |
| | τ_1 | -0.81 | -0.81 | -0.81 | -0.81 | -0.81 | -0.80 |
| | τ_2 | -1.30 | -1.30 | -1.30 | -1.30 | -1.31 | -1.31 |
| 310.0 | τ_0 | -2.52 | -2.47 | -2.43 | -2.39 | -2.31 | -2.25 |
| | τ_1 | -0.93 | -0.93 | -0.93 | -0.93 | -0.93 | -0.92 |
| | τ_2 | -1.13 | -1.13 | -1.13 | -1.13 | -1.13 | -1.13 |
| 315.0 | τ_0 | -2.83 | -2.79 | -2.74 | -2.70 | -2.63 | -2.56 |
| | τ_1 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 |
| | τ_2 | -0.96 | -0.96 | -0.96 | -0.96 | -0.96 | -0.96 |
| 320.0 | τ_0 | -3.14 | -3.09 | -3.04 | -3.00 | -2.93 | -2.86 |
| | τ_1 | -1.03 | -1.03 | -1.03 | -1.03 | -1.03 | -1.03 |
| | τ_2 | -0.79 | -0.79 | -0.79 | -0.79 | -0.79 | -0.79 |
| 325.0 | τ_0 | -3.43 | -3.38 | -3.33 | -3.29 | -3.22 | -3.15 |
| | τ_1 | -1.02 | -1.02 | -1.02 | -1.02 | -1.02 | -1.02 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.63 |
| 330.0 | τ_0 | -3.69 | -3.64 | -3.60 | -3.56 | -3.49 | -3.42 |
| | τ_1 | -0.97 | -0.97 | -0.97 | -0.97 | -0.96 | -0.96 |
| | τ_2 | -0.47 | -0.47 | -0.47 | -0.47 | -0.47 | -0.47 |
| 335.0 | τ_0 | -3.93 | -3.89 | -3.84 | -3.80 | -3.73 | -3.66 |
| | τ_1 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 | -0.87 |
| | τ_2 | -0.34 | -0.34 | -0.34 | -0.34 | -0.34 | -0.34 |
| 340.0 | τ_0 | -4.14 | -4.09 | -4.05 | -4.01 | -3.93 | -3.87 |
| | τ_1 | -0.74 | -0.74 | -0.74 | -0.74 | -0.74 | -0.74 |
| | τ_2 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 |
| 345.0 | τ_0 | -4.31 | -4.26 | -4.21 | -4.17 | -4.10 | -4.04 |
| | τ_1 | -0.58 | -0.58 | -0.58 | -0.58 | -0.58 | -0.58 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 350.0 | τ_0 | -4.43 | -4.38 | -4.34 | -4.30 | -4.22 | -4.16 |
| | τ_1 | -0.40 | -0.40 | -0.40 | -0.40 | -0.40 | -0.40 |
| | τ_2 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 |
| 355.0 | τ_0 | -4.50 | -4.45 | -4.41 | -4.37 | -4.30 | -4.23 |
| | τ_1 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 360.0 | τ_0 | -4.53 | -4.48 | -4.44 | -4.40 | -4.32 | -4.26 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Ellipticity - SKKSac

| Δ | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 65.0 | τ_0 | -1.01 | -0.93 | -0.85 | -0.77 | -0.63 | -0.51 |
| | τ_1 | -0.56 | -0.57 | -0.59 | -0.60 | -0.63 | -0.66 |
| | τ_2 | -1.23 | -1.24 | -1.24 | -1.24 | -1.25 | -1.26 |
| 70.0 | τ_0 | -0.92 | -0.83 | -0.76 | -0.68 | -0.54 | -0.41 |
| | τ_1 | -0.37 | -0.39 | -0.40 | -0.42 | -0.45 | -0.47 |
| | τ_2 | -1.32 | -1.33 | -1.33 | -1.33 | -1.34 | -1.35 |
| 75.0 | τ_0 | -0.86 | -0.77 | -0.69 | -0.62 | -0.48 | -0.35 |
| | τ_1 | -0.17 | -0.18 | -0.20 | -0.21 | -0.24 | -0.27 |
| | τ_2 | -1.40 | -1.40 | -1.40 | -1.41 | -1.41 | -1.42 |
| 80.0 | τ_0 | -0.83 | -0.74 | -0.66 | -0.59 | -0.45 | -0.32 |
| | τ_1 | 0.05 | 0.03 | 0.02 | 0.00 | -0.03 | -0.05 |
| | τ_2 | -1.45 | -1.45 | -1.46 | -1.46 | -1.47 | -1.47 |
| 85.0 | τ_0 | -0.83 | -0.75 | -0.67 | -0.59 | -0.45 | -0.33 |
| | τ_1 | 0.27 | 0.25 | 0.24 | 0.22 | 0.19 | 0.17 |
| | τ_2 | -1.49 | -1.49 | -1.49 | -1.50 | -1.50 | -1.51 |
| 90.0 | τ_0 | -0.87 | -0.78 | -0.70 | -0.63 | -0.49 | -0.36 |
| | τ_1 | 0.49 | 0.48 | 0.46 | 0.45 | 0.42 | 0.39 |
| | τ_2 | -1.50 | -1.51 | -1.51 | -1.51 | -1.52 | -1.53 |
| 95.0 | τ_0 | -0.94 | -0.85 | -0.77 | -0.70 | -0.56 | -0.44 |
| | τ_1 | 0.71 | 0.69 | 0.68 | 0.66 | 0.64 | 0.61 |
| | τ_2 | -1.50 | -1.51 | -1.51 | -1.51 | -1.52 | -1.52 |
| 100.0 | τ_0 | -1.04 | -0.96 | -0.88 | -0.80 | -0.66 | -0.54 |
| | τ_1 | 0.91 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 |
| | τ_2 | -1.48 | -1.48 | -1.49 | -1.49 | -1.50 | -1.50 |
| 105.0 | τ_0 | -1.17 | -1.08 | -1.01 | -0.93 | -0.79 | -0.67 |
| | τ_1 | 1.09 | 1.07 | 1.06 | 1.05 | 1.02 | 1.00 |
| | τ_2 | -1.45 | -1.45 | -1.45 | -1.45 | -1.46 | -1.47 |
| 110.0 | τ_0 | -1.33 | -1.24 | -1.16 | -1.09 | -0.95 | -0.83 |
| | τ_1 | 1.25 | 1.23 | 1.22 | 1.21 | 1.18 | 1.16 |
| | τ_2 | -1.39 | -1.40 | -1.40 | -1.40 | -1.41 | -1.41 |
| 115.0 | τ_0 | -1.51 | -1.42 | -1.34 | -1.26 | -1.13 | -1.00 |
| | τ_1 | 1.38 | 1.36 | 1.35 | 1.34 | 1.31 | 1.29 |
| | τ_2 | -1.33 | -1.33 | -1.33 | -1.33 | -1.34 | -1.35 |
| 120.0 | τ_0 | -1.70 | -1.61 | -1.53 | -1.46 | -1.32 | -1.20 |
| | τ_1 | 1.47 | 1.46 | 1.44 | 1.43 | 1.41 | 1.38 |
| | τ_2 | -1.25 | -1.25 | -1.26 | -1.26 | -1.26 | -1.27 |
| 125.0 | τ_0 | -1.91 | -1.82 | -1.74 | -1.67 | -1.53 | -1.41 |
| | τ_1 | 1.53 | 1.51 | 1.50 | 1.49 | 1.47 | 1.44 |
| | τ_2 | -1.17 | -1.17 | -1.17 | -1.17 | -1.18 | -1.18 |
| 130.0 | τ_0 | -2.12 | -2.04 | -1.96 | -1.88 | -1.74 | -1.62 |
| | τ_1 | 1.54 | 1.53 | 1.52 | 1.51 | 1.49 | 1.46 |
| | τ_2 | -1.08 | -1.08 | -1.08 | -1.08 | -1.09 | -1.09 |
| 135.0 | τ_0 | -2.33 | -2.25 | -2.17 | -2.09 | -1.95 | -1.83 |
| | τ_1 | 1.52 | 1.51 | 1.50 | 1.49 | 1.47 | 1.45 |
| | τ_2 | -0.99 | -0.99 | -0.99 | -0.99 | -1.00 | -1.00 |
| 140.0 | τ_0 | -2.54 | -2.45 | -2.37 | -2.30 | -2.16 | -2.03 |
| | τ_1 | 1.46 | 1.45 | 1.44 | 1.43 | 1.41 | 1.39 |
| | τ_2 | -0.90 | -0.90 | -0.91 | -0.91 | -0.91 | -0.92 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 145.0 | τ_0 | -2.73 | -2.64 | -2.56 | -2.49 | -2.35 | -2.23 |
| | τ_1 | 1.37 | 1.36 | 1.34 | 1.33 | 1.31 | 1.29 |
| | τ_2 | -0.82 | -0.82 | -0.83 | -0.83 | -0.83 | -0.84 |
| 150.0 | τ_0 | -2.90 | -2.82 | -2.74 | -2.66 | -2.53 | -2.40 |
| | τ_1 | 1.24 | 1.22 | 1.21 | 1.20 | 1.18 | 1.16 |
| | τ_2 | -0.75 | -0.75 | -0.75 | -0.76 | -0.76 | -0.76 |
| 155.0 | τ_0 | -3.05 | -2.97 | -2.89 | -2.81 | -2.68 | -2.56 |
| | τ_1 | 1.07 | 1.06 | 1.05 | 1.04 | 1.02 | 1.00 |
| | τ_2 | -0.69 | -0.69 | -0.70 | -0.70 | -0.70 | -0.71 |
| 160.0 | τ_0 | -3.18 | -3.09 | -3.02 | -2.94 | -2.80 | -2.68 |
| | τ_1 | 0.88 | 0.87 | 0.86 | 0.85 | 0.83 | 0.81 |
| | τ_2 | -0.65 | -0.65 | -0.65 | -0.65 | -0.66 | -0.66 |
| 165.0 | τ_0 | -3.27 | -3.19 | -3.11 | -3.03 | -2.89 | -2.77 |
| | τ_1 | 0.67 | 0.66 | 0.65 | 0.64 | 0.63 | 0.61 |
| | τ_2 | -0.62 | -0.62 | -0.63 | -0.63 | -0.63 | -0.64 |
| 170.0 | τ_0 | -3.33 | -3.24 | -3.17 | -3.09 | -2.95 | -2.83 |
| | τ_1 | 0.45 | 0.44 | 0.43 | 0.43 | 0.41 | 0.39 |
| | τ_2 | -0.62 | -0.62 | -0.62 | -0.62 | -0.62 | -0.63 |
| 175.0 | τ_0 | -3.35 | -3.27 | -3.19 | -3.11 | -2.97 | -2.85 |
| | τ_1 | 0.23 | 0.22 | 0.21 | 0.20 | 0.18 | 0.16 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.64 | -0.64 |
| 180.0 | τ_0 | -3.34 | -3.25 | -3.17 | -3.10 | -2.96 | -2.84 |
| | τ_1 | 0.01 | 0.01 | 0.00 | 0.00 | -0.02 | -0.05 |
| | τ_2 | -0.66 | -0.66 | -0.66 | -0.67 | -0.67 | -0.67 |
| 185.0 | τ_0 | -3.28 | -3.20 | -3.12 | -3.04 | -2.91 | -2.78 |
| | τ_1 | 0.52 | 0.51 | 0.50 | 0.49 | 0.47 | 0.45 |
| | τ_2 | -0.72 | -0.72 | -0.72 | -0.72 | -0.72 | -0.73 |
| 190.0 | τ_0 | -3.20 | -3.11 | -3.04 | -2.96 | -2.82 | -2.70 |
| | τ_1 | 0.94 | 0.93 | 0.92 | 0.91 | 0.89 | 0.87 |
| | τ_2 | -0.79 | -0.79 | -0.79 | -0.79 | -0.79 | -0.80 |
| 195.0 | τ_0 | -3.08 | -3.00 | -2.92 | -2.84 | -2.71 | -2.58 |
| | τ_1 | 1.31 | 1.30 | 1.29 | 1.28 | 1.26 | 1.25 |
| | τ_2 | -0.88 | -0.88 | -0.88 | -0.88 | -0.88 | -0.89 |
| 200.0 | τ_0 | -2.94 | -2.85 | -2.77 | -2.70 | -2.56 | -2.44 |
| | τ_1 | 1.62 | 1.62 | 1.61 | 1.60 | 1.59 | 1.57 |
| | τ_2 | -0.98 | -0.98 | -0.98 | -0.99 | -0.99 | -0.99 |
| 205.0 | τ_0 | -2.77 | -2.68 | -2.60 | -2.53 | -2.39 | -2.27 |
| | τ_1 | 1.90 | 1.89 | 1.88 | 1.88 | 1.86 | 1.85 |
| | τ_2 | -1.10 | -1.10 | -1.10 | -1.10 | -1.11 | -1.11 |
| 210.0 | τ_0 | -2.58 | -2.50 | -2.42 | -2.34 | -2.20 | -2.08 |
| | τ_1 | 2.12 | 2.11 | 2.11 | 2.10 | 2.08 | 2.07 |
| | τ_2 | -1.23 | -1.23 | -1.23 | -1.23 | -1.23 | -1.24 |
| 215.0 | τ_0 | -2.38 | -2.30 | -2.22 | -2.14 | -2.00 | -1.88 |
| | τ_1 | 2.29 | 2.29 | 2.28 | 2.28 | 2.26 | 2.25 |
| | τ_2 | -1.36 | -1.36 | -1.36 | -1.37 | -1.37 | -1.37 |
| 220.0 | τ_0 | -2.18 | -2.09 | -2.01 | -1.94 | -1.80 | -1.68 |
| | τ_1 | 2.42 | 2.41 | 2.40 | 2.40 | 2.38 | 2.37 |
| | τ_2 | -1.50 | -1.50 | -1.50 | -1.50 | -1.51 | -1.51 |
| 225.0 | τ_0 | -1.98 | -1.89 | -1.81 | -1.74 | -1.60 | -1.47 |
| | τ_1 | 2.48 | 2.48 | 2.47 | 2.47 | 2.45 | 2.44 |
| | τ_2 | -1.63 | -1.63 | -1.64 | -1.64 | -1.64 | -1.64 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 230.0 | τ_0 | -1.78 | -1.70 | -1.62 | -1.54 | -1.40 | -1.28 |
| | τ_1 | 2.50 | 2.49 | 2.49 | 2.48 | 2.47 | 2.46 |
| | τ_2 | -1.76 | -1.76 | -1.76 | -1.77 | -1.77 | -1.77 |
| 235.0 | τ_0 | -1.60 | -1.52 | -1.44 | -1.36 | -1.22 | -1.10 |
| | τ_1 | 2.46 | 2.45 | 2.45 | 2.44 | 2.43 | 2.42 |
| | τ_2 | -1.88 | -1.88 | -1.88 | -1.89 | -1.89 | -1.89 |
| 240.0 | τ_0 | -1.45 | -1.36 | -1.28 | -1.21 | -1.07 | -0.94 |
| | τ_1 | 2.36 | 2.36 | 2.35 | 2.35 | 2.34 | 2.33 |
| | τ_2 | -1.99 | -1.99 | -1.99 | -1.99 | -1.99 | -2.00 |
| 245.0 | τ_0 | -1.32 | -1.23 | -1.15 | -1.08 | -0.94 | -0.82 |
| | τ_1 | 2.22 | 2.22 | 2.21 | 2.21 | 2.20 | 2.19 |
| | τ_2 | -2.08 | -2.08 | -2.08 | -2.08 | -2.08 | -2.09 |
| 250.0 | τ_0 | -1.23 | -1.14 | -1.06 | -0.99 | -0.85 | -0.72 |
| | τ_1 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 | 2.02 |
| | τ_2 | -2.14 | -2.14 | -2.15 | -2.15 | -2.15 | -2.15 |
| 255.0 | τ_0 | -1.17 | -1.08 | -1.01 | -0.93 | -0.79 | -0.67 |
| | τ_1 | 1.82 | 1.82 | 1.81 | 1.81 | 1.80 | 1.79 |
| | τ_2 | -2.19 | -2.19 | -2.19 | -2.19 | -2.20 | -2.20 |
| 260.0 | τ_0 | -1.15 | -1.07 | -0.99 | -0.91 | -0.78 | -0.65 |
| | τ_1 | 1.56 | 1.56 | 1.56 | 1.55 | 1.55 | 1.54 |
| | τ_2 | -2.21 | -2.21 | -2.21 | -2.21 | -2.22 | -2.22 |
| 265.0 | τ_0 | -1.18 | -1.10 | -1.02 | -0.94 | -0.80 | -0.68 |
| | τ_1 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.27 |
| | τ_2 | -2.21 | -2.21 | -2.21 | -2.21 | -2.21 | -2.21 |
| 270.0 | τ_0 | -1.26 | -1.17 | -1.09 | -1.02 | -0.88 | -0.76 |
| | τ_1 | 1.00 | 1.00 | 0.99 | 0.99 | 0.98 | 0.98 |
| | τ_2 | -2.17 | -2.18 | -2.18 | -2.18 | -2.18 | -2.18 |
| 275.0 | τ_0 | -1.37 | -1.29 | -1.21 | -1.13 | -1.00 | -0.87 |
| | τ_1 | 0.70 | 0.70 | 0.70 | 0.70 | 0.69 | 0.69 |
| | τ_2 | -2.12 | -2.12 | -2.12 | -2.12 | -2.12 | -2.13 |

Ellipticity - SKKSdf

| | | Depth of source [km] | | | | | |
|--------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 200.0 | τ_0 | -2.92 | -2.84 | -2.77 | -2.69 | -2.55 | -2.43 |
| | τ_1 | 1.59 | 1.58 | 1.57 | 1.58 | 1.56 | 1.56 |
| | τ_2 | -1.08 | -1.08 | -1.08 | -1.08 | -1.08 | -1.09 |
| 205.0 | τ_0 | -2.76 | -2.68 | -2.60 | -2.52 | -2.39 | -2.27 |
| | τ_1 | 1.88 | 1.87 | 1.87 | 1.87 | 1.86 | 1.85 |
| | τ_2 | -1.18 | -1.18 | -1.19 | -1.19 | -1.19 | -1.19 |
| 210.0 | τ_0 | -2.58 | -2.49 | -2.41 | -2.34 | -2.20 | -2.08 |
| | τ_1 | 2.12 | 2.12 | 2.12 | 2.11 | 2.11 | 2.10 |
| | τ_2 | -1.30 | -1.30 | -1.30 | -1.30 | -1.30 | -1.30 |
| 215.0 | τ_0 | -2.38 | -2.30 | -2.22 | -2.14 | -2.01 | -1.89 |
| | τ_1 | 2.32 | 2.32 | 2.31 | 2.31 | 2.30 | 2.29 |
| | τ_2 | -1.42 | -1.42 | -1.42 | -1.42 | -1.43 | -1.43 |
| 220.0 | τ_0 | -2.18 | -2.09 | -2.02 | -1.94 | -1.80 | -1.68 |
| | τ_1 | 2.46 | 2.46 | 2.45 | 2.45 | 2.44 | 2.43 |
| | τ_2 | -1.55 | -1.55 | -1.55 | -1.55 | -1.55 | -1.55 |
| 225.0 | τ_0 | -1.98 | -1.89 | -1.81 | -1.74 | -1.60 | -1.48 |
| | τ_1 | 2.54 | 2.54 | 2.54 | 2.53 | 2.53 | 2.52 |
| | τ_2 | -1.67 | -1.67 | -1.68 | -1.68 | -1.68 | -1.68 |
| 230.0 | τ_0 | -1.78 | -1.70 | -1.62 | -1.54 | -1.41 | -1.29 |
| | τ_1 | 2.57 | 2.56 | 2.56 | 2.56 | 2.55 | 2.54 |
| | τ_2 | -1.79 | -1.80 | -1.80 | -1.80 | -1.80 | -1.80 |
| 235.0 | τ_0 | -1.60 | -1.52 | -1.44 | -1.37 | -1.23 | -1.11 |
| | τ_1 | 2.52 | 2.52 | 2.52 | 2.51 | 2.51 | 2.50 |
| | τ_2 | -1.91 | -1.91 | -1.91 | -1.91 | -1.91 | -1.91 |
| 240.0 | τ_0 | -1.45 | -1.36 | -1.29 | -1.21 | -1.07 | -0.95 |
| | τ_1 | 2.42 | 2.42 | 2.42 | 2.41 | 2.41 | 2.40 |
| | τ_2 | -2.01 | -2.01 | -2.01 | -2.01 | -2.01 | -2.01 |
| 245.0 | τ_0 | -1.32 | -1.24 | -1.16 | -1.08 | -0.94 | -0.82 |
| | τ_1 | 2.27 | 2.27 | 2.27 | 2.26 | 2.26 | 2.25 |
| | τ_2 | -2.09 | -2.09 | -2.09 | -2.09 | -2.09 | -2.09 |
| 250.0 | τ_0 | -1.23 | -1.14 | -1.06 | -0.99 | -0.85 | -0.73 |
| | τ_1 | 2.08 | 2.08 | 2.07 | 2.07 | 2.06 | 2.06 |
| | τ_2 | -2.15 | -2.15 | -2.15 | -2.15 | -2.16 | -2.16 |
| 255.0 | τ_0 | -1.17 | -1.08 | -1.01 | -0.93 | -0.79 | -0.67 |
| | τ_1 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.83 |
| | τ_2 | -2.19 | -2.19 | -2.19 | -2.20 | -2.20 | -2.20 |
| 260.0 | τ_0 | -1.15 | -1.07 | -0.99 | -0.92 | -0.78 | -0.66 |
| | τ_1 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 | 1.57 |
| | τ_2 | -2.21 | -2.21 | -2.21 | -2.21 | -2.21 | -2.22 |
| 265.0 | τ_0 | -1.18 | -1.10 | -1.02 | -0.94 | -0.80 | -0.68 |
| | τ_1 | 1.31 | 1.31 | 1.30 | 1.30 | 1.30 | 1.29 |
| | τ_2 | -2.20 | -2.20 | -2.20 | -2.21 | -2.21 | -2.21 |
| 270.0 | τ_0 | -1.25 | -1.17 | -1.09 | -1.01 | -0.88 | -0.75 |
| | τ_1 | 1.02 | 1.01 | 1.01 | 1.01 | 1.01 | 1.00 |
| | τ_2 | -2.17 | -2.17 | -2.17 | -2.17 | -2.17 | -2.18 |
| 275.0 | τ_0 | -1.37 | -1.28 | -1.21 | -1.13 | -0.99 | -0.87 |
| | τ_1 | 0.72 | 0.72 | 0.71 | 0.71 | 0.71 | 0.71 |
| | τ_2 | -2.11 | -2.11 | -2.11 | -2.11 | -2.12 | -2.12 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 280.0 | τ_0 | -1.53 | -1.44 | -1.36 | -1.29 | -1.15 | -1.03 |
| | τ_1 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 |
| | τ_2 | -2.03 | -2.03 | -2.03 | -2.03 | -2.03 | -2.03 |
| 285.0 | τ_0 | -1.72 | -1.64 | -1.56 | -1.48 | -1.35 | -1.23 |
| | τ_1 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 |
| | τ_2 | -1.92 | -1.92 | -1.92 | -1.92 | -1.93 | -1.93 |
| 290.0 | τ_0 | -1.95 | -1.87 | -1.79 | -1.72 | -1.58 | -1.46 |
| | τ_1 | -0.12 | -0.12 | -0.12 | -0.13 | -0.13 | -0.13 |
| | τ_2 | -1.80 | -1.80 | -1.80 | -1.80 | -1.80 | -1.80 |
| 295.0 | τ_0 | -2.22 | -2.13 | -2.05 | -1.98 | -1.84 | -1.72 |
| | τ_1 | -0.36 | -0.36 | -0.36 | -0.36 | -0.36 | -0.37 |
| | τ_2 | -1.65 | -1.65 | -1.65 | -1.65 | -1.65 | -1.65 |
| 300.0 | τ_0 | -2.50 | -2.42 | -2.34 | -2.26 | -2.13 | -2.01 |
| | τ_1 | -0.56 | -0.56 | -0.56 | -0.57 | -0.57 | -0.57 |
| | τ_2 | -1.49 | -1.49 | -1.49 | -1.49 | -1.49 | -1.50 |
| 305.0 | τ_0 | -2.80 | -2.72 | -2.64 | -2.57 | -2.43 | -2.31 |
| | τ_1 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 | -0.73 |
| | τ_2 | -1.32 | -1.32 | -1.32 | -1.32 | -1.32 | -1.33 |
| 310.0 | τ_0 | -3.12 | -3.03 | -2.95 | -2.88 | -2.74 | -2.62 |
| | τ_1 | -0.85 | -0.85 | -0.86 | -0.86 | -0.86 | -0.86 |
| | τ_2 | -1.15 | -1.15 | -1.15 | -1.15 | -1.15 | -1.15 |
| 315.0 | τ_0 | -3.43 | -3.34 | -3.26 | -3.19 | -3.05 | -2.93 |
| | τ_1 | -0.93 | -0.93 | -0.94 | -0.94 | -0.94 | -0.94 |
| | τ_2 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 | -0.98 |
| 320.0 | τ_0 | -3.73 | -3.65 | -3.57 | -3.50 | -3.36 | -3.24 |
| | τ_1 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 | -0.98 |
| | τ_2 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 | -0.80 |
| 325.0 | τ_0 | -4.03 | -3.95 | -3.87 | -3.79 | -3.66 | -3.54 |
| | τ_1 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 | -0.97 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 | -0.63 |
| 330.0 | τ_0 | -4.30 | -4.22 | -4.14 | -4.07 | -3.93 | -3.81 |
| | τ_1 | -0.92 | -0.92 | -0.92 | -0.92 | -0.92 | -0.92 |
| | τ_2 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 |
| 335.0 | τ_0 | -4.55 | -4.46 | -4.38 | -4.31 | -4.17 | -4.06 |
| | τ_1 | -0.83 | -0.83 | -0.83 | -0.83 | -0.83 | -0.83 |
| | τ_2 | -0.34 | -0.34 | -0.34 | -0.34 | -0.34 | -0.34 |
| 340.0 | τ_0 | -4.75 | -4.67 | -4.59 | -4.52 | -4.38 | -4.26 |
| | τ_1 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 | -0.71 |
| | τ_2 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 | -0.22 |
| 345.0 | τ_0 | -4.92 | -4.84 | -4.76 | -4.69 | -4.55 | -4.43 |
| | τ_1 | -0.56 | -0.56 | -0.56 | -0.56 | -0.56 | -0.56 |
| | τ_2 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 | -0.13 |
| 350.0 | τ_0 | -5.05 | -4.96 | -4.89 | -4.81 | -4.68 | -4.56 |
| | τ_1 | -0.38 | -0.38 | -0.38 | -0.39 | -0.39 | -0.39 |
| | τ_2 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 |
| 355.0 | τ_0 | -5.12 | -5.04 | -4.96 | -4.89 | -4.75 | -4.63 |
| | τ_1 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 | -0.20 |
| | τ_2 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
| 360.0 | τ_0 | -5.15 | -5.06 | -4.99 | -4.91 | -4.78 | -4.66 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Ellipticity - SS | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 40.0 | τ_0 | -1.70 | -1.64 | -1.59 | -1.55 | -1.54 | -1.53 |
| | τ_1 | -1.05 | -1.11 | -1.17 | -1.23 | -1.34 | -1.41 |
| | τ_2 | -0.42 | -0.43 | -0.43 | -0.43 | -0.48 | -0.47 |
| 45.0 | τ_0 | -1.72 | -1.71 | -1.66 | -1.61 | -1.52 | -1.48 |
| | τ_1 | -1.21 | -1.30 | -1.34 | -1.39 | -1.47 | -1.55 |
| | τ_2 | -0.55 | -0.59 | -0.60 | -0.60 | -0.60 | -0.59 |
| 50.0 | τ_0 | -1.74 | -1.67 | -1.61 | -1.56 | -1.47 | -1.43 |
| | τ_1 | -1.37 | -1.41 | -1.45 | -1.50 | -1.59 | -1.66 |
| | τ_2 | -0.72 | -0.73 | -0.73 | -0.73 | -0.73 | -0.72 |
| 55.0 | τ_0 | -1.68 | -1.61 | -1.55 | -1.49 | -1.41 | -1.37 |
| | τ_1 | -1.46 | -1.51 | -1.55 | -1.59 | -1.68 | -1.76 |
| | τ_2 | -0.86 | -0.86 | -0.86 | -0.86 | -0.86 | -0.85 |
| 60.0 | τ_0 | -1.60 | -1.53 | -1.47 | -1.42 | -1.33 | -1.29 |
| | τ_1 | -1.54 | -1.58 | -1.62 | -1.66 | -1.75 | -1.83 |
| | τ_2 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 | -0.99 |
| 65.0 | τ_0 | -1.52 | -1.45 | -1.39 | -1.33 | -1.24 | -1.20 |
| | τ_1 | -1.58 | -1.63 | -1.67 | -1.71 | -1.80 | -1.88 |
| | τ_2 | -1.15 | -1.15 | -1.15 | -1.15 | -1.15 | -1.14 |
| 70.0 | τ_0 | -1.43 | -1.36 | -1.30 | -1.24 | -1.15 | -1.10 |
| | τ_1 | -1.61 | -1.65 | -1.69 | -1.73 | -1.82 | -1.90 |
| | τ_2 | -1.30 | -1.30 | -1.30 | -1.30 | -1.30 | -1.30 |
| 75.0 | τ_0 | -1.33 | -1.26 | -1.20 | -1.15 | -1.06 | -1.01 |
| | τ_1 | -1.60 | -1.64 | -1.69 | -1.73 | -1.81 | -1.89 |
| | τ_2 | -1.45 | -1.45 | -1.45 | -1.45 | -1.45 | -1.44 |
| 80.0 | τ_0 | -1.24 | -1.17 | -1.11 | -1.06 | -0.96 | -0.91 |
| | τ_1 | -1.57 | -1.61 | -1.65 | -1.69 | -1.78 | -1.86 |
| | τ_2 | -1.60 | -1.60 | -1.60 | -1.60 | -1.60 | -1.60 |
| 85.0 | τ_0 | -1.16 | -1.09 | -1.03 | -0.97 | -0.88 | -0.83 |
| | τ_1 | -1.51 | -1.55 | -1.59 | -1.63 | -1.72 | -1.79 |
| | τ_2 | -1.75 | -1.75 | -1.75 | -1.75 | -1.75 | -1.74 |
| 90.0 | τ_0 | -1.09 | -1.02 | -0.96 | -0.90 | -0.81 | -0.75 |
| | τ_1 | -1.43 | -1.47 | -1.51 | -1.55 | -1.63 | -1.71 |
| | τ_2 | -1.88 | -1.88 | -1.89 | -1.89 | -1.88 | -1.88 |
| 95.0 | τ_0 | -1.03 | -0.96 | -0.90 | -0.84 | -0.74 | -0.69 |
| | τ_1 | -1.33 | -1.37 | -1.40 | -1.45 | -1.53 | -1.61 |
| | τ_2 | -2.01 | -2.02 | -2.02 | -2.02 | -2.01 | -2.01 |
| 100.0 | τ_0 | -0.99 | -0.91 | -0.85 | -0.79 | -0.70 | -0.64 |
| | τ_1 | -1.21 | -1.25 | -1.29 | -1.33 | -1.40 | -1.49 |
| | τ_2 | -2.13 | -2.13 | -2.13 | -2.13 | -2.13 | -2.12 |
| 105.0 | τ_0 | -0.96 | -0.89 | -0.83 | -0.77 | -0.67 | -0.61 |
| | τ_1 | -1.07 | -1.11 | -1.15 | -1.19 | -1.27 | -1.35 |
| | τ_2 | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 | -2.23 |
| 110.0 | τ_0 | -0.95 | -0.88 | -0.82 | -0.76 | -0.66 | -0.60 |
| | τ_1 | -0.93 | -0.97 | -1.01 | -1.05 | -1.13 | -1.22 |
| | τ_2 | -2.33 | -2.33 | -2.33 | -2.33 | -2.33 | -2.32 |
| 115.0 | τ_0 | -0.97 | -0.89 | -0.83 | -0.77 | -0.67 | -0.60 |
| | τ_1 | -0.79 | -0.83 | -0.87 | -0.91 | -0.99 | -1.07 |
| | τ_2 | -2.41 | -2.41 | -2.41 | -2.41 | -2.41 | -2.41 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 120.0 | τ_0 | -1.00 | -0.92 | -0.86 | -0.80 | -0.70 | -0.63 |
| | τ_1 | -0.65 | -0.69 | -0.73 | -0.77 | -0.85 | -0.94 |
| | τ_2 | -2.48 | -2.48 | -2.48 | -2.48 | -2.48 | -2.47 |
| 125.0 | τ_0 | -1.05 | -0.97 | -0.91 | -0.84 | -0.74 | -0.67 |
| | τ_1 | -0.52 | -0.56 | -0.60 | -0.64 | -0.72 | -0.80 |
| | τ_2 | -2.54 | -2.54 | -2.54 | -2.54 | -2.54 | -2.53 |
| 130.0 | τ_0 | -1.11 | -1.03 | -0.97 | -0.90 | -0.80 | -0.72 |
| | τ_1 | -0.40 | -0.44 | -0.48 | -0.52 | -0.60 | -0.69 |
| | τ_2 | -2.59 | -2.59 | -2.59 | -2.59 | -2.59 | -2.58 |
| 135.0 | τ_0 | -1.18 | -1.10 | -1.04 | -0.97 | -0.87 | -0.79 |
| | τ_1 | -0.29 | -0.33 | -0.37 | -0.41 | -0.49 | -0.58 |
| | τ_2 | -2.63 | -2.63 | -2.63 | -2.63 | -2.63 | -2.62 |
| 140.0 | τ_0 | -1.26 | -1.18 | -1.12 | -1.05 | -0.94 | -0.86 |
| | τ_1 | -0.20 | -0.24 | -0.28 | -0.31 | -0.40 | -0.49 |
| | τ_2 | -2.66 | -2.66 | -2.66 | -2.66 | -2.66 | -2.66 |
| 145.0 | τ_0 | -1.35 | -1.27 | -1.20 | -1.13 | -1.02 | -0.93 |
| | τ_1 | -0.12 | -0.16 | -0.20 | -0.24 | -0.32 | -0.41 |
| | τ_2 | -2.69 | -2.69 | -2.69 | -2.69 | -2.69 | -2.69 |
| 150.0 | τ_0 | -1.43 | -1.35 | -1.28 | -1.21 | -1.10 | -1.00 |
| | τ_1 | -0.07 | -0.11 | -0.14 | -0.18 | -0.27 | -0.35 |
| | τ_2 | -2.71 | -2.72 | -2.72 | -2.72 | -2.72 | -2.72 |
| 155.0 | τ_0 | -1.51 | -1.43 | -1.36 | -1.29 | -1.17 | -1.07 |
| | τ_1 | -0.03 | -0.07 | -0.10 | -0.14 | -0.23 | -0.31 |
| | τ_2 | -2.74 | -2.74 | -2.75 | -2.75 | -2.75 | -2.75 |
| 160.0 | τ_0 | -1.58 | -1.50 | -1.42 | -1.36 | -1.23 | -1.13 |
| | τ_1 | -0.01 | -0.04 | -0.08 | -0.12 | -0.20 | -0.29 |
| | τ_2 | -2.77 | -2.77 | -2.78 | -2.78 | -2.78 | -2.79 |
| 165.0 | τ_0 | -1.64 | -1.55 | -1.48 | -1.41 | -1.28 | -1.18 |
| | τ_1 | 0.00 | -0.03 | -0.07 | -0.11 | -0.19 | -0.27 |
| | τ_2 | -2.81 | -2.81 | -2.81 | -2.82 | -2.82 | -2.83 |
| 170.0 | τ_0 | -1.68 | -1.60 | -1.52 | -1.45 | -1.32 | -1.21 |
| | τ_1 | 0.01 | -0.03 | -0.07 | -0.10 | -0.18 | -0.27 |
| | τ_2 | -2.85 | -2.85 | -2.86 | -2.86 | -2.87 | -2.88 |
| 175.0 | τ_0 | -1.70 | -1.62 | -1.54 | -1.47 | -1.33 | -1.22 |
| | τ_1 | 0.00 | -0.03 | -0.07 | -0.10 | -0.18 | -0.26 |
| | τ_2 | -2.90 | -2.90 | -2.91 | -2.91 | -2.92 | -2.93 |
| 180.0 | τ_0 | -1.71 | -1.62 | -1.55 | -1.47 | -1.33 | -1.21 |
| | τ_1 | 0.02 | -0.01 | -0.05 | -0.08 | -0.18 | -0.26 |
| | τ_2 | -2.96 | -2.97 | -2.97 | -2.98 | -2.99 | -3.00 |
| 185.0 | τ_0 | -1.70 | -1.61 | -1.53 | -1.45 | -1.31 | -1.19 |
| | τ_1 | 0.74 | 0.71 | 0.68 | 0.64 | 0.57 | 0.51 |
| | τ_2 | -3.03 | -3.04 | -3.04 | -3.05 | -3.06 | -3.07 |
| 190.0 | τ_0 | -1.66 | -1.57 | -1.49 | -1.41 | -1.27 | -1.14 |
| | τ_1 | 1.33 | 1.30 | 1.27 | 1.24 | 1.17 | 1.09 |
| | τ_2 | -3.11 | -3.11 | -3.12 | -3.12 | -3.13 | -3.15 |

| Ellipticity - S'S' | | Depth of source [km] | | | | | |
|--------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 130.0 | τ_0 | -1.28 | -1.21 | -1.14 | -1.07 | -0.95 | -0.86 |
| | τ_1 | -0.40 | -0.42 | -0.44 | -0.47 | -0.52 | -0.57 |
| | τ_2 | -2.89 | -2.89 | -2.89 | -2.89 | -2.88 | -2.87 |
| 135.0 | τ_0 | -1.35 | -1.27 | -1.20 | -1.14 | -1.02 | -0.92 |
| | τ_1 | -0.27 | -0.30 | -0.32 | -0.35 | -0.40 | -0.45 |
| | τ_2 | -2.89 | -2.89 | -2.89 | -2.89 | -2.88 | -2.87 |
| 140.0 | τ_0 | -1.43 | -1.35 | -1.28 | -1.21 | -1.09 | -0.99 |
| | τ_1 | -0.17 | -0.20 | -0.22 | -0.25 | -0.30 | -0.36 |
| | τ_2 | -2.89 | -2.89 | -2.88 | -2.88 | -2.88 | -2.87 |
| 145.0 | τ_0 | -1.50 | -1.42 | -1.35 | -1.28 | -1.15 | -1.05 |
| | τ_1 | -0.10 | -0.12 | -0.15 | -0.17 | -0.23 | -0.29 |
| | τ_2 | -2.88 | -2.88 | -2.88 | -2.88 | -2.88 | -2.87 |
| 150.0 | τ_0 | -1.57 | -1.49 | -1.42 | -1.35 | -1.22 | -1.12 |
| | τ_1 | -0.04 | -0.07 | -0.10 | -0.12 | -0.18 | -0.24 |
| | τ_2 | -2.88 | -2.88 | -2.88 | -2.88 | -2.88 | -2.88 |
| 155.0 | τ_0 | -1.64 | -1.56 | -1.48 | -1.41 | -1.28 | -1.18 |
| | τ_1 | -0.01 | -0.04 | -0.06 | -0.09 | -0.14 | -0.20 |
| | τ_2 | -2.89 | -2.89 | -2.89 | -2.89 | -2.89 | -2.89 |
| 160.0 | τ_0 | -1.69 | -1.61 | -1.54 | -1.46 | -1.34 | -1.23 |
| | τ_1 | 0.01 | -0.02 | -0.04 | -0.07 | -0.12 | -0.18 |
| | τ_2 | -2.90 | -2.90 | -2.90 | -2.90 | -2.90 | -2.90 |
| 165.0 | τ_0 | -1.74 | -1.65 | -1.58 | -1.50 | -1.37 | -1.26 |
| | τ_1 | 0.01 | -0.01 | -0.04 | -0.06 | -0.11 | -0.17 |
| | τ_2 | -2.92 | -2.92 | -2.92 | -2.92 | -2.93 | -2.93 |
| 170.0 | τ_0 | -1.76 | -1.68 | -1.60 | -1.52 | -1.39 | -1.27 |
| | τ_1 | 0.01 | -0.01 | -0.04 | -0.06 | -0.11 | -0.16 |
| | τ_2 | -2.95 | -2.95 | -2.95 | -2.95 | -2.96 | -2.96 |
| 175.0 | τ_0 | -1.76 | -1.68 | -1.60 | -1.53 | -1.39 | -1.27 |
| | τ_1 | 0.00 | -0.02 | -0.04 | -0.06 | -0.11 | -0.16 |
| | τ_2 | -2.98 | -2.99 | -2.99 | -2.99 | -2.99 | -3.00 |
| 180.0 | τ_0 | -1.75 | -1.66 | -1.59 | -1.51 | -1.37 | -1.25 |
| | τ_1 | 0.00 | -0.02 | -0.04 | -0.06 | -0.11 | -0.15 |
| | τ_2 | -3.03 | -3.03 | -3.03 | -3.04 | -3.04 | -3.05 |
| 185.0 | τ_0 | -1.72 | -1.63 | -1.55 | -1.47 | -1.33 | -1.21 |
| | τ_1 | 0.75 | 0.73 | 0.71 | 0.68 | 0.63 | 0.58 |
| | τ_2 | -3.09 | -3.09 | -3.09 | -3.09 | -3.10 | -3.10 |
| 190.0 | τ_0 | -1.66 | -1.58 | -1.50 | -1.42 | -1.28 | -1.15 |
| | τ_1 | 1.36 | 1.35 | 1.34 | 1.32 | 1.28 | 1.23 |
| | τ_2 | -3.15 | -3.15 | -3.15 | -3.16 | -3.16 | -3.17 |
| 195.0 | τ_0 | -1.60 | -1.51 | -1.43 | -1.35 | -1.21 | -1.08 |
| | τ_1 | 1.98 | 1.96 | 1.94 | 1.91 | 1.88 | 1.84 |
| | τ_2 | -3.22 | -3.22 | -3.22 | -3.23 | -3.23 | -3.24 |
| 200.0 | τ_0 | -1.52 | -1.43 | -1.35 | -1.27 | -1.12 | -1.00 |
| | τ_1 | 2.51 | 2.50 | 2.48 | 2.46 | 2.42 | 2.37 |
| | τ_2 | -3.29 | -3.30 | -3.30 | -3.30 | -3.31 | -3.32 |
| 205.0 | τ_0 | -1.43 | -1.34 | -1.26 | -1.18 | -1.03 | -0.90 |
| | τ_1 | 2.97 | 2.95 | 2.94 | 2.93 | 2.90 | 2.86 |
| | τ_2 | -3.37 | -3.37 | -3.38 | -3.38 | -3.39 | -3.40 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 210.0 | τ_0 | -1.34 | -1.25 | -1.17 | -1.09 | -0.94 | -0.81 |
| | τ_1 | 3.39 | 3.37 | 3.36 | 3.34 | 3.30 | 3.26 |
| | τ_2 | -3.45 | -3.46 | -3.46 | -3.46 | -3.47 | -3.48 |
| 215.0 | τ_0 | -1.25 | -1.16 | -1.08 | -1.00 | -0.85 | -0.72 |
| | τ_1 | 3.73 | 3.72 | 3.70 | 3.69 | 3.66 | 3.63 |
| | τ_2 | -3.53 | -3.53 | -3.54 | -3.54 | -3.55 | -3.56 |
| 220.0 | τ_0 | -1.17 | -1.08 | -1.00 | -0.92 | -0.77 | -0.63 |
| | τ_1 | 4.01 | 4.00 | 3.98 | 3.97 | 3.94 | 3.91 |
| | τ_2 | -3.60 | -3.60 | -3.61 | -3.61 | -3.62 | -3.63 |
| 225.0 | τ_0 | -1.10 | -1.01 | -0.93 | -0.85 | -0.70 | -0.56 |
| | τ_1 | 4.23 | 4.21 | 4.20 | 4.19 | 4.16 | 4.14 |
| | τ_2 | -3.66 | -3.66 | -3.67 | -3.67 | -3.68 | -3.69 |
| 230.0 | τ_0 | -1.05 | -0.96 | -0.88 | -0.80 | -0.65 | -0.51 |
| | τ_1 | 4.37 | 4.36 | 4.35 | 4.34 | 4.32 | 4.29 |
| | τ_2 | -3.71 | -3.71 | -3.72 | -3.72 | -3.73 | -3.74 |
| 235.0 | τ_0 | -1.03 | -0.94 | -0.86 | -0.78 | -0.63 | -0.49 |
| | τ_1 | 4.45 | 4.44 | 4.43 | 4.42 | 4.40 | 4.38 |
| | τ_2 | -3.74 | -3.75 | -3.75 | -3.76 | -3.77 | -3.78 |
| 240.0 | τ_0 | -1.04 | -0.95 | -0.87 | -0.79 | -0.64 | -0.50 |
| | τ_1 | 4.47 | 4.46 | 4.45 | 4.44 | 4.42 | 4.40 |
| | τ_2 | -3.76 | -3.76 | -3.77 | -3.77 | -3.78 | -3.79 |
| 245.0 | τ_0 | -1.08 | -0.99 | -0.91 | -0.83 | -0.68 | -0.54 |
| | τ_1 | 4.42 | 4.41 | 4.40 | 4.39 | 4.38 | 4.36 |
| | τ_2 | -3.75 | -3.76 | -3.76 | -3.77 | -3.78 | -3.79 |
| 250.0 | τ_0 | -1.17 | -1.08 | -0.99 | -0.91 | -0.76 | -0.63 |
| | τ_1 | 4.31 | 4.30 | 4.29 | 4.29 | 4.27 | 4.26 |
| | τ_2 | -3.72 | -3.73 | -3.73 | -3.74 | -3.75 | -3.76 |
| 255.0 | τ_0 | -1.29 | -1.20 | -1.12 | -1.04 | -0.89 | -0.75 |
| | τ_1 | 4.15 | 4.14 | 4.13 | 4.13 | 4.12 | 4.10 |
| | τ_2 | -3.67 | -3.67 | -3.68 | -3.68 | -3.69 | -3.70 |
| 260.0 | τ_0 | -1.46 | -1.37 | -1.29 | -1.21 | -1.06 | -0.93 |
| | τ_1 | 3.93 | 3.93 | 3.92 | 3.92 | 3.91 | 3.90 |
| | τ_2 | -3.59 | -3.59 | -3.59 | -3.60 | -3.61 | -3.62 |
| 265.0 | τ_0 | -1.67 | -1.58 | -1.50 | -1.42 | -1.29 | -1.16 |
| | τ_1 | 3.69 | 3.68 | 3.68 | 3.68 | 3.69 | 3.69 |
| | τ_2 | -3.48 | -3.48 | -3.49 | -3.49 | -3.50 | -3.51 |
| 270.0 | τ_0 | -1.93 | -1.85 | -1.77 | -1.69 | -1.54 | -1.42 |
| | τ_1 | 3.42 | 3.42 | 3.41 | 3.41 | 3.41 | 3.40 |
| | τ_2 | -3.35 | -3.35 | -3.35 | -3.35 | -3.36 | -3.37 |
| 275.0 | τ_0 | -2.23 | -2.14 | -2.06 | -1.99 | -1.84 | -1.71 |
| | τ_1 | 3.11 | 3.11 | 3.10 | 3.10 | 3.10 | 3.10 |
| | τ_2 | -3.18 | -3.19 | -3.19 | -3.19 | -3.20 | -3.20 |
| 280.0 | τ_0 | -2.57 | -2.48 | -2.40 | -2.33 | -2.18 | -2.06 |
| | τ_1 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.77 |
| | τ_2 | -3.00 | -3.00 | -3.00 | -3.00 | -3.01 | -3.01 |
| 285.0 | τ_0 | -2.94 | -2.86 | -2.78 | -2.70 | -2.55 | -2.43 |
| | τ_1 | 2.46 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 |
| | τ_2 | -2.79 | -2.79 | -2.80 | -2.80 | -2.80 | -2.81 |
| 290.0 | τ_0 | -3.35 | -3.26 | -3.18 | -3.11 | -2.96 | -2.84 |
| | τ_1 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| | τ_2 | -2.56 | -2.57 | -2.57 | -2.57 | -2.57 | -2.58 |

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|
| 295.0 | τ_0 | -3.78 | -3.69 | -3.61 | -3.53 | -3.39 | -3.27 |
| | τ_1 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 |
| | τ_2 | -2.32 | -2.33 | -2.33 | -2.33 | -2.33 | -2.34 |
| 300.0 | τ_0 | -4.22 | -4.14 | -4.06 | -3.98 | -3.84 | -3.71 |
| | τ_1 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 |
| | τ_2 | -2.08 | -2.08 | -2.08 | -2.08 | -2.08 | -2.09 |
| 305.0 | τ_0 | -4.67 | -4.59 | -4.51 | -4.43 | -4.29 | -4.17 |
| | τ_1 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| | τ_2 | -1.82 | -1.82 | -1.82 | -1.82 | -1.83 | -1.83 |
| 310.0 | τ_0 | -5.13 | -5.04 | -4.97 | -4.89 | -4.75 | -4.63 |
| | τ_1 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| | τ_2 | -1.56 | -1.56 | -1.57 | -1.57 | -1.57 | -1.57 |
| 315.0 | τ_0 | -5.58 | -5.49 | -5.41 | -5.34 | -5.20 | -5.08 |
| | τ_1 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.76 |
| | τ_2 | -1.31 | -1.31 | -1.31 | -1.31 | -1.32 | -1.32 |
| 320.0 | τ_0 | -6.00 | -5.92 | -5.84 | -5.76 | -5.62 | -5.50 |
| | τ_1 | 0.56 | 0.56 | 0.56 | 0.56 | 0.57 | 0.57 |
| | τ_2 | -1.07 | -1.07 | -1.07 | -1.07 | -1.08 | -1.08 |
| 325.0 | τ_0 | -6.40 | -6.32 | -6.24 | -6.17 | -6.03 | -5.91 |
| | τ_1 | 0.40 | 0.40 | 0.40 | 0.41 | 0.41 | 0.41 |
| | τ_2 | -0.84 | -0.84 | -0.84 | -0.84 | -0.85 | -0.85 |
| 330.0 | τ_0 | -6.77 | -6.69 | -6.61 | -6.54 | -6.40 | -6.28 |
| | τ_1 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| | τ_2 | -0.63 | -0.63 | -0.63 | -0.63 | -0.64 | -0.64 |
| 335.0 | τ_0 | -7.10 | -7.01 | -6.93 | -6.86 | -6.72 | -6.60 |
| | τ_1 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| | τ_2 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 340.0 | τ_0 | -7.37 | -7.29 | -7.21 | -7.14 | -7.00 | -6.88 |
| | τ_1 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| | τ_2 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 | -0.29 |
| 345.0 | τ_0 | -7.60 | -7.51 | -7.43 | -7.36 | -7.22 | -7.11 |
| | τ_1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| | τ_2 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 | -0.17 |
| 350.0 | τ_0 | -7.76 | -7.67 | -7.60 | -7.52 | -7.39 | -7.27 |
| | τ_1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| | τ_2 | -0.07 | -0.07 | -0.07 | -0.07 | -0.08 | -0.08 |
| 355.0 | τ_0 | -7.86 | -7.77 | -7.69 | -7.62 | -7.48 | -7.37 |
| | τ_1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | τ_2 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| 360.0 | τ_0 | -7.89 | -7.80 | -7.73 | -7.65 | -7.52 | -7.40 |
| | τ_1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | τ_2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Ellipticity - SP | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 55.0 | τ_0 | -1.10 | -1.02 | -0.96 | -0.90 | -0.79 | -0.73 |
| | τ_1 | -0.83 | -0.88 | -0.93 | -0.99 | -1.10 | -1.23 |
| | τ_2 | -0.82 | -0.82 | -0.83 | -0.83 | -0.83 | -0.82 |
| 60.0 | τ_0 | -1.08 | -1.01 | -0.94 | -0.88 | -0.78 | -0.71 |
| | τ_1 | -0.93 | -0.98 | -1.04 | -1.09 | -1.21 | -1.33 |
| | τ_2 | -0.92 | -0.92 | -0.92 | -0.92 | -0.93 | -0.92 |
| 65.0 | τ_0 | -1.05 | -0.97 | -0.91 | -0.85 | -0.74 | -0.62 |
| | τ_1 | -1.02 | -1.07 | -1.12 | -1.17 | -1.28 | -1.33 |
| | τ_2 | -1.03 | -1.03 | -1.03 | -1.03 | -1.03 | -1.06 |
| 70.0 | τ_0 | -0.97 | -0.89 | -0.82 | -0.75 | -0.63 | -0.53 |
| | τ_1 | -1.01 | -1.05 | -1.09 | -1.13 | -1.21 | -1.30 |
| | τ_2 | -1.16 | -1.17 | -1.17 | -1.18 | -1.19 | -1.20 |
| 75.0 | τ_0 | -0.89 | -0.80 | -0.73 | -0.65 | -0.53 | -0.42 |
| | τ_1 | -0.97 | -1.00 | -1.03 | -1.07 | -1.14 | -1.22 |
| | τ_2 | -1.30 | -1.31 | -1.32 | -1.32 | -1.34 | -1.35 |
| 80.0 | τ_0 | -0.79 | -0.71 | -0.63 | -0.56 | -0.43 | -0.33 |
| | τ_1 | -0.87 | -0.90 | -0.93 | -0.97 | -1.04 | -1.12 |
| | τ_2 | -1.44 | -1.45 | -1.46 | -1.46 | -1.48 | -1.49 |
| 85.0 | τ_0 | -0.71 | -0.63 | -0.55 | -0.48 | -0.35 | -0.24 |
| | τ_1 | -0.75 | -0.78 | -0.82 | -0.85 | -0.92 | -0.99 |
| | τ_2 | -1.58 | -1.58 | -1.59 | -1.59 | -1.61 | -1.62 |
| 90.0 | τ_0 | -0.64 | -0.56 | -0.45 | -0.38 | -0.24 | -0.13 |
| | τ_1 | -0.60 | -0.64 | -0.44 | -0.48 | -0.57 | -0.66 |
| | τ_2 | -1.70 | -1.70 | -1.74 | -1.74 | -1.76 | -1.77 |
| 95.0 | τ_0 | -0.58 | -0.49 | -0.42 | -0.34 | -0.20 | -0.09 |
| | τ_1 | -0.28 | -0.31 | -0.35 | -0.39 | -0.46 | -0.53 |
| | τ_2 | -1.82 | -1.83 | -1.83 | -1.84 | -1.85 | -1.87 |
| 100.0 | τ_0 | -0.55 | -0.47 | -0.39 | -0.31 | -0.17 | -0.05 |
| | τ_1 | -0.14 | -0.17 | -0.20 | -0.23 | -0.30 | -0.37 |
| | τ_2 | -1.91 | -1.91 | -1.92 | -1.93 | -1.94 | -1.96 |
| 105.0 | τ_0 | -0.54 | -0.46 | -0.38 | -0.30 | -0.16 | -0.04 |
| | τ_1 | 0.04 | 0.01 | -0.02 | -0.05 | -0.11 | -0.17 |
| | τ_2 | -1.99 | -1.99 | -2.00 | -2.00 | -2.02 | -2.03 |
| 110.0 | τ_0 | -0.56 | -0.54 | -0.45 | -0.37 | -0.22 | -0.09 |
| | τ_1 | 0.24 | 0.58 | 0.54 | 0.51 | 0.43 | 0.35 |
| | τ_2 | -2.05 | -2.04 | -2.04 | -2.05 | -2.07 | -2.09 |
| 115.0 | τ_0 | -0.65 | -0.56 | -0.48 | -0.40 | -0.25 | -0.11 |
| | τ_1 | 0.70 | 0.67 | 0.64 | 0.61 | 0.54 | 0.47 |
| | τ_2 | -2.07 | -2.08 | -2.09 | -2.09 | -2.11 | -2.13 |
| 120.0 | τ_0 | -0.70 | -0.61 | -0.52 | -0.44 | -0.29 | -0.16 |
| | τ_1 | 0.83 | 0.80 | 0.78 | 0.75 | 0.69 | 0.61 |
| | τ_2 | -2.10 | -2.11 | -2.12 | -2.13 | -2.14 | -2.16 |
| 125.0 | τ_0 | -0.75 | -0.66 | -0.58 | -0.50 | -0.35 | -0.22 |
| | τ_1 | 0.95 | 0.92 | 0.89 | 0.86 | 0.79 | 0.75 |
| | τ_2 | -2.13 | -2.14 | -2.14 | -2.15 | -2.17 | -2.18 |
| 130.0 | τ_0 | -0.85 | -0.76 | -0.67 | -0.59 | -0.44 | -0.31 |
| | τ_1 | 1.11 | 1.09 | 1.06 | 1.03 | 0.98 | 0.93 |
| | τ_2 | -2.13 | -2.14 | -2.14 | -2.15 | -2.16 | -2.18 |

| | | | | | | | |
|-------|----------|-------|-------|-------|-------|-------|-------|
| 135.0 | τ_0 | -0.95 | -0.86 | -0.78 | -0.70 | -0.55 | -0.41 |
| | τ_1 | 1.26 | 1.24 | 1.22 | 1.19 | 1.14 | 1.09 |
| | τ_2 | -2.12 | -2.13 | -2.13 | -2.14 | -2.16 | -2.17 |
| | | | | | | | |

| Ellipticity - PS | | Depth of source [km] | | | | | |
|------------------|----------|----------------------|-------|-------|-------|-------|-------|
| Δ | | 0. | 100. | 200. | 300. | 500. | 700. |
| 90.0 | τ_0 | -1.19 | -1.15 | -1.12 | -1.10 | 0.00 | 0.00 |
| | τ_1 | -0.35 | -0.38 | -0.41 | -0.43 | 0.00 | 0.00 |
| | τ_2 | -1.40 | -1.40 | -1.40 | -1.40 | 0.00 | 0.00 |
| 95.0 | τ_0 | -1.24 | -1.20 | -1.18 | -1.16 | -1.15 | 0.00 |
| | τ_1 | -0.35 | -0.36 | -0.38 | -0.38 | -0.32 | 0.00 |
| | τ_2 | -1.44 | -1.44 | -1.44 | -1.44 | -1.44 | 0.00 |
| 100.0 | τ_0 | -1.31 | -1.28 | -1.25 | -1.24 | -1.23 | 0.00 |
| | τ_1 | -0.29 | -0.30 | -0.31 | -0.31 | -0.26 | 0.00 |
| | τ_2 | -1.47 | -1.47 | -1.47 | -1.47 | -1.46 | 0.00 |
| 105.0 | τ_0 | -1.41 | -1.38 | -1.35 | -1.34 | -1.43 | -1.41 |
| | τ_1 | -0.22 | -0.23 | -0.24 | -0.24 | 0.11 | 0.11 |
| | τ_2 | -1.49 | -1.49 | -1.48 | -1.48 | -1.43 | -1.43 |
| 110.0 | τ_0 | -1.52 | -1.64 | -1.61 | -1.58 | -1.54 | -1.53 |
| | τ_1 | -0.17 | 0.14 | 0.11 | 0.09 | 0.05 | 0.06 |
| | τ_2 | -1.49 | -1.42 | -1.42 | -1.42 | -1.42 | -1.41 |
| 115.0 | τ_0 | -1.79 | -1.75 | -1.72 | -1.69 | -1.66 | -1.65 |
| | τ_1 | 0.09 | 0.07 | 0.05 | 0.03 | 0.01 | 0.00 |
| | τ_2 | -1.42 | -1.42 | -1.42 | -1.42 | -1.41 | -1.40 |
| 120.0 | τ_0 | -1.90 | -1.87 | -1.84 | -1.82 | -1.77 | -1.78 |
| | τ_1 | 0.03 | 0.01 | 0.00 | -0.02 | -0.06 | -0.05 |
| | τ_2 | -1.41 | -1.41 | -1.41 | -1.40 | -1.40 | -1.38 |
| 125.0 | τ_0 | -2.00 | -1.96 | -1.93 | -1.91 | -1.90 | -1.91 |
| | τ_1 | -0.06 | -0.08 | -0.10 | -0.11 | -0.12 | -0.10 |
| | τ_2 | -1.41 | -1.41 | -1.41 | -1.40 | -1.38 | -1.35 |
| 130.0 | τ_0 | -2.13 | -2.10 | -2.07 | -2.05 | -2.03 | -2.05 |
| | τ_1 | -0.14 | -0.15 | -0.16 | -0.17 | -0.20 | -0.20 |
| | τ_2 | -1.39 | -1.38 | -1.38 | -1.37 | -1.36 | -1.33 |
| 135.0 | τ_0 | -2.25 | -2.22 | -2.20 | -2.18 | -2.16 | 0.00 |
| | τ_1 | -0.24 | -0.25 | -0.27 | -0.28 | -0.31 | 0.00 |
| | τ_2 | -1.37 | -1.37 | -1.36 | -1.36 | -1.34 | 0.00 |

Ellipticity - PnS

| Δ | | Depth of source [km] | | | | | |
|-------------|----------|----------------------|-------|-------|-------|-------|-------|
| | | 0. | 100. | 200. | 300. | 500. | 700. |
| 65.0 | τ_0 | -1.16 | -1.13 | -1.11 | -1.08 | -1.08 | -1.08 |
| | τ_1 | -0.96 | -0.98 | -1.00 | -1.02 | -1.02 | -1.02 |
| | τ_2 | -0.96 | -0.97 | -0.98 | -0.99 | -0.99 | -0.99 |
| 70.0 | τ_0 | -1.14 | -1.10 | -1.07 | -1.04 | -1.04 | -1.04 |
| | τ_1 | -0.94 | -0.93 | -0.89 | -0.85 | -0.85 | -0.85 |
| | τ_2 | -1.07 | -1.08 | -1.09 | -1.11 | -1.11 | -1.11 |
| 75.0 | τ_0 | -1.12 | -1.08 | -1.06 | -1.03 | -1.12 | -1.12 |
| | τ_1 | -0.90 | -0.88 | -0.85 | -0.78 | -0.64 | -0.64 |
| | τ_2 | -1.17 | -1.18 | -1.19 | -1.20 | -1.24 | -1.24 |
| 80.0 | τ_0 | -1.11 | -1.08 | -1.06 | -1.04 | -1.00 | -1.00 |
| | τ_1 | -0.80 | -0.80 | -0.78 | -0.75 | -0.68 | -0.68 |
| | τ_2 | -1.26 | -1.27 | -1.27 | -1.28 | -1.29 | -1.29 |
| 85.0 | τ_0 | -1.12 | -1.09 | -1.07 | -1.05 | -1.02 | -1.02 |
| | τ_1 | -0.71 | -0.71 | -0.70 | -0.67 | -0.63 | -0.63 |
| | τ_2 | -1.34 | -1.34 | -1.35 | -1.35 | -1.36 | -1.36 |
| 90.0 | τ_0 | -1.15 | -1.12 | -1.10 | -1.01 | -1.01 | -1.01 |
| | τ_1 | -0.60 | -0.61 | -0.60 | -0.59 | -0.59 | -0.59 |
| | τ_2 | -1.41 | -1.41 | -1.41 | -1.41 | -1.41 | -1.41 |

