PART 7

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SPACE FLIGHT HANDBOOKS VOLUME III

# PLANETARY FLIGHT HANDBOOK

## Part 7-Direct Trajectories To Jupiter, Saturn, Uranus, And Neptune

## Supplement B: Tabular Trajectory Data For Direct Trajectories To Uranus And Neptune


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PART 7

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SUPPLEMENT B


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## Section 5

## TABULAR TRAJECTORY DATA FOR DIRECT TRAJECTORIES TO URANUS AND NEPTUNE

### Introduction

The trajectory data are presented chronologically and are organized by holding the arrival date constant while varying the Earth departure date in increments of 10 days. Upon completion of the specified range of Earth departure dates, the arrival date is incremented and the range of departure dates is repeated. For long trip times, where the variation of the trajectory parameters is relatively small, the size of the increment of the arrival date is increased. The range of departure and arrival dates and their corresponding increments are given in Table 5-1 for each launch opportunity. The criterion for the selection of these dates is that they encompass the region in which the Earth departure hyperbolic excess speed is less than or equal to 0.65 EMOS.

There are two lines of print for each trajectory (departure-date/arrival date pair). In the first line the two left most columns contain the dates of departure and arrival. The next 18 columns of the first line can be divided into three groups: six columns of data related to departure, six columns pertinent to the heliocentric phase of the mission, and six columns related to arrival at the target planet. The second line of print contains, respectively, the $\Delta V$ requirements for departure and arrival, the total $\Delta V$ requirement, the heliocentric transfer trajectory type, and four parameters defining conditions at arrival. The value computed for the arrival $\Delta V$ is for entry into a circular orbit. The radius selected for this orbit, while necessarily somewhat arbitrary, is representative of the broad range of orbit radii which tend to minimize the arrival $\Delta V$ for the range of excess speeds between 0.1 and 0.8 EMOS. The value selected for Uranus and Neptune is 3 planet radii. Significant reductions in the computed $\Delta V$ can be realized by assuming entry into an elliptical orbit having a periapsis radius equal to the selected circular-orbit radius. The magnitude of the reduction can be determined from Figures 2-6 and 2-8 in Section 2.

TABLE 5-1

RANGES OF DEPARTURE DATE AND ARRIVAL DATE

| | | Earth Departure Date | Arrival Date | Arrival Date Increment |
|---|---|---|---|---|
| 1976 | Uranus | 43070 - 43210 | 44300 - 47800 | 100 |
| | | 43090 - 43200 | 48000 - 48600 | 200 |
| 1977 | Uranus | 43440 - 43580 | 44670 - 48170 | 100 |
| | | 43460 - 43570 | 48370 - 48970 | 200 |
| 1978 | Uranus | 43810 - 43950 | 45040 - 48540 | 100 |
| | | 43830 - 43940 | 48740 - 49340 | 200 |
| 1979 | Uranus | 44180 - 44320 | 45410 - 48910 | 100 |
| | | 44200 - 44310 | 49110 - 49710 | 200 |
| 1980 | Uranus | 44550 - 44690 | 45780 - 49280 | 100 |
| | | 44570 - 44680 | 49480 - 50080 | 200 |
| 1982 | Uranus | 44920 - 45060 | 46150 - 49650 | 100 |
| | | 44940 - 45050 | 49850 - 50450 | 200 |
| 1983 | Uranus | 45290 - 45430 | 46520 - 50020 | 100 |
| | | 45310 - 45420 | 50220 - 50820 | 200 |
| 1984 | Uranus | 45660 - 45800 | 46890 - 50390 | 100 |
| | | 45680 - 45790 | 50590 - 51190 | 200 |
| 1985 | Uranus | 46030 - 46170 | 47260 - 50760 | 100 |
| | | 46050 - 46160 | 50960 - 51460 | 200 |
| 1986 | Uranus | 46400 - 46540 | 47630 - 51130 | 100 |
| | | 46420 - 46530 | 51330 - 51930 | 200 |
| 1976 | Neptune | 43110 - 43240 | 45000 - 52000 | 200 |
| | | 43120 - 43240 | 52400 - 53600 | 400 |
| 1977 | Neptune | 43480 - 43610 | 45370 - 52370 | 200 |
| | | 43490 - 43610 | 52770 - 53970 | 400 |
| 1978 | Neptune | 43850 - 43980 | 45740 - 52740 | 200 |
| | | 43860 - 43980 | 53140 - 54340 | 400 |
| 1980 | Neptune | 44220 - 44350 | 46110 - 53110 | 200 |
| | | 44230 - 44350 | 53510 - 54710 | 400 |
| 1981 | Neptune | 44580 - 44710 | 46470 - 53470 | 200 |
| | | 44590 - 44710 | 53870 - 55070 | 400 |
| 1982 | Neptune | 44950 - 45080 | 46840 - 53840 | 200 |
| | | 44960 - 45080 | 54240 - 55440 | 400 |
| 1983 | Neptune | 45320 - 45450 | 47210 - 54210 | 200 |
| | | 45330 - 45450 | 54610 - 55810 | 400 |
| 1984 | Neptune | 45690 - 45820 | 47580 - 54580 | 200 |
| | | 45700 - 45820 | 54980 - 56180 | 400 |
| 1985 | Neptune | 46050 - 46180 | 47940 - 54940 | 200 |
| | | 46060 - 46180 | 55340 - 56540 | 400 |
| 1986 | Neptune | 46420 - 46550 | 48310 - 55310 | 200 |
| | | 46430 - 46550 | 55710 - 56910 | 400 |

All data in this handbook are for posigrade trajectories having transfer angles of less than 360 degrees. In order to reduce the volume of the handbook those trajectories for which the Earth departure excess speed exceeds 0.65 EMOS are not listed even though such trajectories may occur in the region of dates given in Table 5-1.

Below are listed the symbols used in the format and the definition of each.

| Symbol | Definition |
|---|---|
| DEPART | Julian date (minus 2400000) at Earth departure |
| ARRIVE | Julian date (minus 2400000) at target planet arrival |
| SPEED | Hyperbolic excess speed at Earth departure (EMOS) |
| R A | Right ascension of hyperbolic excess velocity vector at Earth departure, measured along the equator eastward from the vernal equinox (degrees) |
| DECL | Declination of the hyperbolic excess velocity vector at Earth departure, measured positively northward and negatively southward from the equator (degrees) |
| I 1 | Inclination of the transfer orbit to the ecliptic. The angle is positive if the heliocentric velocity vector of the transfer trajectory is directed above the ecliptic; the angle is negative if the velocity vector is directed below the ecliptic (degrees) |
| V 1 | Heliocentric speed of departure (EMOS) |
| PSI 1 | Heliocentric angle of departure, measured counter-clockwise from the outward-directed heliocentric radius vector to the departure velocity vector in the transfer plane (degrees) |
| ECCEN | Eccentricity of the transfer orbit |
| SMA | Semimajor axis of the transfer orbit (AU) |
| THET1 | True anomaly in the transfer orbit at departure, reduced to $0 \leq \theta \leq 360$ (degrees) |
| THET2 | True anomaly in the transfer orbit at arrival, THET2 minus THET1 equals the heliocentric transfer angle (degrees) |
| PERIH | Perihelion distance of the transfer orbit. If the vehicle does not transit perihelion, the value is followed by a "D" (AU) |
| APHEL | Aphelion distance of the transfer orbit. If the vehicle does not transit aphelion, the value is followed by an "A"; for values of ECCEN $\geq 1.0$, the characters "NA" (for Not Applicable) are printed (AU) |
| I 2 | Inclination of the transfer orbit to the arrival planet's orbit. The angle is positive if the heliocentric velocity vector of the transfer trajectory is directed above the target planet's orbit plane at arrival; the angle is negative if the velocity vector is directed below the target planet's orbit plane (degrees) |
| V 2 | Heliocentric speed of arrival (EMOS) |

PSI 2 — Heliocentric angle of arrival, measured clockwise from the inward-directed heliocentric radius vector to the arrival velocity vector in the transfer plane (EMOS)

R A — Right ascension of the hyperbolic excess velocity vector at arrival, measured along the local planetary equator eastward from the "vernal equinox." Note that this is the right ascension of the position at which the hyperbolic excess vector (asymptote) would emerge from the planet's celestial sphere (degrees)

DECL — Declination of the hyperbolic excess velocity vector at arrival; this is the declination at which the excess velocity vector would emerge from the planet's celestial sphere (degrees)

SPEED — Hyperbolic excess speed at arrival (EMOS)

DV1 — Impulsive velocity ($\Delta V$) necessary to attain the required excess speed at Earth departure. Departure is from a circular orbit of 185 km altitude (km/sec)

DV2 — Impulsive velocity ($\Delta V$) necessary to enter a circular orbit at the arrival planet (km/sec). The orbit radius is:
70569 km (3 radii) at Uranus
66936 km (3 radii) at Neptune

DVT — Total $\Delta V$; DV1 + DV2 (km/sec)

LEG — Heliocentric transfer angle. ONE if transfer angle is less than $180^{\circ}$. TWO if transfer angle is greater than $180^{\circ}$.

CDIST — Communication distance. Distance between Earth and target planet at date of arrival (AU)

RAS — Right ascension of the subsolar point at the target planet, measured along the local planetary equator eastward from the "vernal equinox" (degrees)

DECLS — Declination of the subsolar point at the target planet, measured positively northward and negatively southward from the planet's equator (degrees)

LAMDA — Approach illumination angle. It is the angle between the target planet's heliocentric radius vector and the incoming hyperbolic excess velocity vector. A lightside approach directed through the subsolar point is defined as $0^{\circ}$ (degrees)

EARTH - URANUS TRAJECTORY DATA

FOR THE YEARS 1976 - 1986

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2444300.0 | | | | | | | | | | |
| 43140.0 | 44300.0 | 0.648 | 206.7 | -9.9 | 0.41 | 1.634 | 98.9 | 1.613 | -1.574 | 345.7 | 482.5 | 0.964 | NA | 0.42 | 0.861 | 174.4 | 168.5 | -55.5 | 0.861 |
| | | 14.42 | 19.60 | 34.02 | ONE | 18.441 | 342.7 | 65.0 | 10.0 | | | | | | | | | | |
| 43150.0 | 44300.0 | 0.623 | 202.2 | -8.3 | 0.35 | 1.636 | 92.9 | 1.631 | -1.556 | 355.3 | 481.9 | 0.981 | NA | 0.51 | 0.866 | 174.3 | 168.4 | -55.6 | 0.865 |
| | | 13.78 | 19.70 | 33.49 | ONE | 18.441 | 342.7 | 65.0 | 9.8 | | | | | | | | | | |
| 43160.0 | 44300.0 | 0.625 | 196.6 | -6.2 | 0.31 | 1.638 | 86.7 | 1.636 | -1.542 | 5.4 | 121.8 | 0.981D | NA | 0.58 | 0.869 | 174.3 | 168.4 | -55.6 | 0.868 |
| | | 13.84 | 19.79 | 33.64 | ONE | 18.441 | 342.7 | 65.0 | 9.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2444400.0 | | | | | | | | | | |
| 43130.0 | 44400.0 | 0.638 | 207.1 | -9.9 | 0.51 | 1.590 | 102.9 | 1.468 | -2.013 | 338.4 | 486.6 | 0.943 | NA | 0.30 | 0.777 | 174.0 | 168.5 | -55.4 | 0.778 |
| | | 14.18 | 17.42 | 31.60 | ONE | 17.830 | 341.7 | 66.2 | 11.3 | | | | | | | | | | |
| 43140.0 | 44400.0 | 0.598 | 203.8 | -8.8 | 0.40 | 1.593 | 97.3 | 1.488 | -1.987 | 347.8 | 485.8 | 0.970 | NA | 0.43 | 0.781 | 173.9 | 168.4 | -55.5 | 0.782 |
| | | 13.15 | 17.51 | 30.66 | ONE | 17.830 | 341.7 | 66.2 | 11.1 | | | | | | | | | | |
| 43150.0 | 44400.0 | 0.579 | 198.8 | -6.9 | 0.34 | 1.595 | 91.4 | 1.500 | -1.966 | 357.6 | 485.4 | 0.983 | NA | 0.52 | 0.784 | 173.9 | 168.4 | -55.6 | 0.785 |
| | | 12.67 | 17.59 | 30.26 | ONE | 17.830 | 341.7 | 66.2 | 11.0 | | | | | | | | | | |
| 43160.0 | 44400.0 | 0.587 | 192.9 | -4.7 | 0.30 | 1.596 | 85.3 | 1.502 | -1.951 | 7.8 | 125.4 | 0.978D | NA | 0.59 | 0.787 | 173.9 | 168.4 | -55.7 | 0.787 |
| | | 12.89 | 17.66 | 30.55 | ONE | 17.830 | 341.7 | 66.2 | 11.0 | | | | | | | | | | |
| 43170.0 | 44400.0 | 0.626 | 187.5 | -2.5 | 0.28 | 1.596 | 79.0 | 1.492 | -1.939 | 18.3 | 125.8 | 0.955D | NA | 0.64 | 0.789 | 174.0 | 168.4 | -55.6 | 0.790 |
| | | 13.88 | 17.72 | 31.60 | ONE | 17.830 | 341.7 | 66.2 | 11.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2444500.0 | | | | | | | | | | |
| 43120.0 | 44500.0 | 0.647 | 206.6 | -9.2 | 0.72 | 1.556 | 106.7 | 1.356 | -2.567 | 331.1 | 490.7 | 0.915 | NA | 0.06 | 0.704 | 173.6 | 168.5 | -55.2 | 0.707 |
| | | 14.40 | 15.60 | 30.00 | ONE | 19.279 | 340.6 | 67.3 | 12.6 | | | | | | | | | | |
| 43130.0 | 44500.0 | 0.595 | 204.7 | -8.9 | 0.49 | 1.558 | 101.4 | 1.376 | -2.528 | 340.3 | 489.7 | 0.951 | NA | 0.31 | 0.709 | 173.5 | 168.5 | -55.4 | 0.711 |
| | | 13.07 | 15.69 | 28.76 | ONE | 19.279 | 340.6 | 67.3 | 12.4 | | | | | | | | | | |
| 43140.0 | 44500.0 | 0.558 | 201.0 | -7.7 | 0.38 | 1.560 | 95.9 | 1.390 | -2.497 | 349.8 | 489.1 | 0.974 | NA | 0.44 | 0.712 | 173.4 | 168.4 | -55.6 | 0.714 |
| | | 12.16 | 15.77 | 27.93 | ONE | 19.279 | 340.6 | 67.3 | 12.3 | | | | | | | | | | |
| 43150.0 | 44500.0 | 0.545 | 195.6 | -5.6 | 0.32 | 1.562 | 90.2 | 1.398 | -2.473 | 359.7 | 488.7 | 0.983 | NA | 0.53 | 0.715 | 173.4 | 168.4 | -55.7 | 0.717 |
| | | 11.82 | 15.83 | 27.65 | ONE | 19.279 | 340.6 | 67.3 | 12.2 | | | | | | | | | | |
| 43160.0 | 44500.0 | 0.559 | 189.6 | -3.3 | 0.29 | 1.562 | 84.2 | 1.397 | -2.456 | 9.9 | 128.8 | 0.975D | NA | 0.59 | 0.717 | 173.5 | 168.4 | -55.7 | 0.719 |
| | | 12.18 | 15.89 | 28.07 | ONE | 19.279 | 340.6 | 67.3 | 12.2 | | | | | | | | | | |
| 43170.0 | 44500.0 | 0.603 | 184.3 | -1.1 | 0.26 | 1.562 | 78.0 | 1.388 | -2.444 | 20.6 | 129.3 | 0.948D | NA | 0.65 | 0.718 | 173.6 | 168.5 | -55.6 | 0.720 |
| | | 13.29 | 15.93 | 29.22 | ONE | 19.279 | 340.6 | 67.3 | 12.3 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2444600.0 | | | | | | | | | | |
| 43120.0 | 44600.0 | 0.608 | 204.8 | -8.5 | 0.71 | 1.530 | 105.3 | 1.287 | -3.218 | 332.8 | 493.6 | 0.924 | NA | 0.06 | 0.646 | 173.1 | 168.5 | -55.3 | 0.650 |
| | | 13.42 | 14.16 | 27.58 | ONE | 19.559 | 339.5 | 68.5 | 13.8 | | | | | | | | | | |
| 43130.0 | 44600.0 | 0.559 | 202.5 | -8.1 | 0.48 | 1.532 | 100.2 | 1.302 | -3.170 | 342.0 | 492.7 | 0.957 | NA | 0.32 | 0.650 | 173.0 | 168.5 | -55.5 | 0.653 |
| | | 12.18 | 14.24 | 26.42 | ONE | 19.559 | 339.5 | 68.5 | 13.6 | | | | | | | | | | |
| 43140.0 | 44600.0 | 0.527 | 198.3 | -6.6 | 0.37 | 1.534 | 94.7 | 1.312 | -3.133 | 351.6 | 492.1 | 0.977 | NA | 0.45 | 0.652 | 173.0 | 168.4 | -55.6 | 0.656 |
| | | 11.39 | 14.30 | 25.69 | ONE | 19.559 | 339.5 | 68.5 | 13.5 | | | | | | | | | | |
| 43150.0 | 44600.0 | 0.518 | 192.6 | -4.4 | 0.31 | 1.535 | 89.1 | 1.317 | -3.105 | 1.6 | 131.9 | 0.983D | NA | 0.54 | 0.655 | 172.9 | 168.4 | -55.7 | 0.658 |
| | | 11.18 | 14.35 | 25.53 | ONE | 19.559 | 339.5 | 68.5 | 13.4 | | | | | | | | | | |
| 43160.0 | 44600.0 | 0.538 | 186.5 | -2.0 | 0.27 | 1.535 | 83.2 | 1.315 | -3.086 | 11.9 | 132.0 | 0.972D | NA | 0.60 | 0.656 | 173.0 | 168.4 | -55.7 | 0.659 |
| | | 11.66 | 14.39 | 26.05 | ONE | 19.559 | 339.5 | 68.5 | 13.4 | | | | | | | | | | |
| 43170.0 | 44600.0 | 0.586 | 181.5 | 0.1 | 0.25 | 1.535 | 77.1 | 1.306 | -3.075 | 22.7 | 132.6 | 0.941D | NA | 0.65 | 0.657 | 173.1 | 168.5 | -55.6 | 0.661 |
| | | 12.86 | 14.43 | 27.29 | ONE | 19.559 | 339.5 | 68.5 | 13.5 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2444700.0 | | | | | | | | | | |
| 43110.0 | 44700.0 | 0.635 | 204.4 | -6.3 | 1.61 | 1.507 | 109.1 | 1.216 | -4.122 | 325.2 | 497.4 | 0.890 | NA | -0.85 | 0.591 | 172.7 | 168.4 | -55.0 | 0.597 |
| | | 14.09 | 12.87 | 26.96 | ONE | 18.066 | 338.2 | 69.6 | 15.3 | | | | | | | | | | |
| 43120.0 | 44700.0 | 0.577 | 203.2 | -7.8 | 0.71 | 1.509 | 104.2 | 1.230 | -4.045 | 334.3 | 496.3 | 0.931 | NA | 0.07 | 0.595 | 172.6 | 168.5 | -55.3 | 0.600 |
| | | 12.62 | 12.94 | 25.55 | ONE | 18.066 | 338.2 | 69.6 | 15.1 | | | | | | | | | | |
| 43130.0 | 44700.0 | 0.530 | 200.5 | -7.2 | 0.46 | 1.511 | 99.1 | 1.241 | -3.984 | 343.6 | 495.5 | 0.962 | NA | 0.33 | 0.598 | 172.5 | 168.5 | -55.5 | 0.603 |
| | | 11.47 | 13.00 | 24.47 | ONE | 18.066 | 338.2 | 69.6 | 14.9 | | | | | | | | | | |
| 43140.0 | 44700.0 | 0.502 | 195.8 | -5.6 | 0.35 | 1.513 | 93.7 | 1.249 | -3.938 | 353.3 | 495.0 | 0.980 | NA | 0.46 | 0.600 | 172.4 | 168.4 | -55.6 | 0.605 |
| | | 10.78 | 13.05 | 23.83 | ONE | 18.066 | 338.2 | 69.6 | 14.7 | | | | | | | | | | |
| 43150.0 | 44700.0 | 0.498 | 189.8 | -3.3 | 0.29 | 1.513 | 88.1 | 1.252 | -3.905 | 3.3 | 134.8 | 0.982D | NA | 0.55 | 0.602 | 172.4 | 168.4 | -55.7 | 0.607 |
| | | 10.69 | 13.09 | 23.78 | ONE | 18.066 | 338.2 | 69.6 | 14.7 | | | | | | | | | | |
| 43160.0 | 44700.0 | 0.522 | 183.8 | -0.9 | 0.26 | 1.513 | 82.4 | 1.249 | -3.885 | 13.8 | 135.1 | 0.968D | NA | 0.61 | 0.603 | 172.5 | 168.5 | -55.6 | 0.608 |
| | | 11.27 | 13.12 | 24.40 | ONE | 18.066 | 338.2 | 69.6 | 14.7 | | | | | | | | | | |
| 43170.0 | 44700.0 | 0.574 | 179.0 | 1.1 | 0.23 | 1.513 | 76.4 | 1.241 | -3.875 | 24.6 | 135.7 | 0.935D | NA | 0.66 | 0.604 | 172.7 | 168.5 | -55.5 | 0.609 |
| | | 12.55 | 13.15 | 25.70 | ONE | 18.066 | 338.2 | 69.6 | 14.8 | | | | | | | | | | |
| 43180.0 | 44700.0 | 0.648 | 176.0 | 2.3 | 0.22 | 1.512 | 70.2 | 1.228 | -3.874 | 35.8 | 136.8 | 0.883D | NA | 0.70 | 0.604 | 172.9 | 168.6 | -55.3 | 0.610 |
| | | 14.44 | 13.17 | 27.61 | ONE | 18.066 | 338.2 | 69.6 | 15.0 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2444800.0 | | | | | | | | | | |
| 43110.0 | 44800.0 | 0.607 | 203.4 | -5.3 | 1.77 | 1.490 | 108.1 | 1.172 | -5.217 | 326.5 | 499.9 | 0.898 | NA | -1.01 | 0.546 | 172.2 | 168.4 | -54.9 | 0.554 |
| | | 13.38 | 11.83 | 25.21 | ONE | 18.222 | 336.7 | 70.7 | 16.6 | | | | | | | | | | |
| 43120.0 | 44800.0 | 0.550 | 201.7 | -7.1 | 0.71 | 1.492 | 103.2 | 1.183 | -5.116 | 335.6 | 498.9 | 0.937 | NA | 0.07 | 0.549 | 172.0 | 168.5 | -55.2 | 0.556 |
| | | 11.96 | 11.89 | 23.85 | ONE | 18.222 | 336.7 | 70.7 | 16.3 | | | | | | | | | | |
| 43130.0 | 44800.0 | 0.507 | 198.5 | -6.4 | 0.45 | 1.494 | 98.1 | 1.192 | -5.037 | 345.0 | 498.1 | 0.966 | NA | 0.35 | 0.552 | 171.9 | 168.5 | -55.4 | 0.559 |
| | | 10.89 | 11.94 | 22.83 | ONE | 18.222 | 336.7 | 70.7 | 16.1 | | | | | | | | | | |
| 43140.0 | 44800.0 | 0.482 | 193.5 | -4.7 | 0.34 | 1.495 | 92.8 | 1.197 | -4.978 | 354.8 | 497.7 | 0.981 | NA | 0.48 | 0.554 | 171.9 | 168.5 | -55.5 | 0.560 |
| | | 10.30 | 11.98 | 22.28 | ONE | 18.222 | 336.7 | 70.7 | 16.0 | | | | | | | | | | |
| 43150.0 | 44800.0 | 0.482 | 187.4 | -2.3 | 0.28 | 1.495 | 87.3 | 1.199 | -4.939 | 4.9 | 137.6 | 0.981D | NA | 0.56 | 0.556 | 171.9 | 168.5 | -55.6 | 0.562 |
| | | 10.30 | 12.01 | 22.32 | ONE | 18.222 | 336.7 | 70.7 | 16.0 | | | | | | | | | | |
| 43160.0 | 44800.0 | 0.510 | 181.4 | 0.1 | 0.24 | 1.495 | 81.6 | 1.196 | -4.917 | 15.4 | 137.9 | 0.965D | NA | 0.62 | 0.556 | 172.0 | 168.5 | -55.5 | 0.563 |
| | | 10.98 | 12.04 | 23.02 | ONE | 18.222 | 336.7 | 70.7 | 16.0 | | | | | | | | | | |
| 43170.0 | 44800.0 | 0.565 | 176.9 | 2.0 | 0.22 | 1.495 | 75.7 | 1.189 | -4.910 | 26.2 | 138.6 | 0.930D | NA | 0.66 | 0.557 | 172.2 | 168.6 | -55.4 | 0.564 |
| | | 12.31 | 12.06 | 24.37 | ONE | 18.222 | 336.7 | 70.7 | 16.1 | | | | | | | | | | |
| 43180.0 | 44800.0 | 0.640 | 174.2 | 3.0 | 0.21 | 1.494 | 69.7 | 1.178 | -4.915 | 37.5 | 139.7 | 0.876D | NA | 0.70 | 0.557 | 172.4 | 168.7 | -55.2 | 0.565 |
| | | 14.23 | 12.08 | 26.31 | ONE | 18.222 | 336.7 | 70.7 | 16.4 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2444900.0 | | | | | | | | | | |
| 43100.0 | 44900.0 | 0.646 | 198.3 | -12.9 | -2.28 | 1.473 | 111.9 | 1.125 | -6.850 | 318.7 | 503.4 | 0.858 | NA | 3.02 | 0.502 | 171.8 | 169.5 | -54.6 | 0.513 |
| | | 14.38 | 10.88 | 25.26 | TWO | 19.690 | 335.1 | 71.8 | 18.3 | | | | | | | | | | |
| 43110.0 | 44900.0 | 0.584 | 202.6 | -4.3 | 2.00 | 1.475 | 107.3 | 1.136 | -6.678 | 327.6 | 502.2 | 0.905 | NA | -1.24 | 0.506 | 171.6 | 168.4 | -54.8 | 0.515 |
| | | 12.80 | 10.94 | 23.73 | ONE | 19.690 | 335.1 | 71.8 | 17.9 | | | | | | | | | | |
| 43120.0 | 44900.0 | 0.528 | 200.3 | -6.5 | 0.70 | 1.478 | 102.4 | 1.144 | -6.540 | 336.8 | 501.3 | 0.943 | NA | 0.08 | 0.509 | 171.5 | 168.6 | -55.1 | 0.518 |
| | | 11.42 | 10.99 | 22.41 | ONE | 19.690 | 335.1 | 71.8 | 17.6 | | | | | | | | | | |
| 43130.0 | 44900.0 | 0.487 | 196.8 | -5.7 | 0.43 | 1.479 | 97.3 | 1.151 | -6.435 | 346.3 | 500.6 | 0.969 | NA | 0.36 | 0.511 | 171.4 | 168.5 | -55.3 | 0.519 |
| | | 10.42 | 11.03 | 21.45 | ONE | 19.690 | 335.1 | 71.8 | 17.4 | | | | | | | | | | |
| 43140.0 | 44900.0 | 0.465 | 191.5 | -3.8 | 0.32 | 1.480 | 92.1 | 1.154 | -6.359 | 356.1 | 500.3 | 0.982 | NA | 0.49 | 0.513 | 171.3 | 168.5 | -55.4 | 0.521 |
| | | 9.92 | 11.06 | 20.98 | ONE | 19.690 | 335.1 | 71.8 | 17.3 | | | | | | | | | | |
| 43150.0 | 44900.0 | 0.469 | 185.2 | -1.3 | 0.26 | 1.481 | 86.6 | 1.155 | -6.310 | 6.3 | 140.2 | 0.980D | NA | 0.57 | 0.514 | 171.4 | 168.5 | -55.5 | 0.522 |
| | | 10.01 | 11.09 | 21.10 | ONE | 19.690 | 335.1 | 71.8 | 17.3 | | | | | | | | | | |
| 43160.0 | 44900.0 | 0.501 | 179.3 | 1.0 | 0.23 | 1.481 | 81.0 | 1.153 | -6.287 | 16.8 | 140.5 | 0.961D | NA | 0.62 | 0.515 | 171.5 | 168.6 | -55.4 | 0.523 |
| | | 10.75 | 11.11 | 21.86 | ONE | 19.690 | 335.1 | 71.8 | 17.3 | | | | | | | | | | |
| 43170.0 | 44900.0 | 0.557 | 175.1 | 2.7 | 0.20 | 1.480 | 75.2 | 1.147 | -6.286 | 27.7 | 141.3 | 0.924D | NA | 0.67 | 0.515 | 171.6 | 168.6 | -55.3 | 0.524 |
| | | 12.13 | 11.13 | 23.26 | ONE | 19.690 | 335.1 | 71.8 | 17.5 | | | | | | | | | | |
| 43180.0 | 44900.0 | 0.634 | 172.8 | 3.6 | 0.19 | 1.479 | 69.2 | 1.138 | -6.303 | 39.0 | 142.4 | 0.869D | NA | 0.71 | 0.515 | 171.9 | 168.8 | -55.0 | 0.524 |
| | | 14.06 | 11.14 | 25.21 | ONE | 19.690 | 335.1 | 71.8 | 17.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2445000.0 | | | | | | | | | | |
| 43100.0 | 45000.0 | 0.625 | 197.9 | -11.5 | -1.66 | 1.461 | 111.2 | 1.097 | -8.956 | 319.6 | 505.5 | 0.865 | NA | 2.40 | 0.467 | 171.2 | 169.5 | -54.5 | 0.479 |
| | | 13.83 | 10.11 | 23.94 | TWO | 19.224 | 333.3 | 72.9 | 19.6 | | | | | | | | | | |
| 43110.0 | 45000.0 | 0.565 | 202.0 | -2.9 | 2.36 | 1.464 | 106.5 | 1.105 | -8.706 | 328.6 | 504.4 | 0.911 | NA | -1.60 | 0.470 | 171.0 | 168.3 | -54.7 | 0.481 |
| | | 12.32 | 10.16 | 22.48 | ONE | 19.224 | 333.3 | 72.9 | 19.3 | | | | | | | | | | |
| 43120.0 | 45000.0 | 0.510 | 199.0 | -5.9 | 0.69 | 1.466 | 101.7 | 1.111 | -8.509 | 337.9 | 503.6 | 0.947 | NA | 0.08 | 0.473 | 170.9 | 168.6 | -55.0 | 0.483 |
| | | 10.97 | 10.20 | 21.18 | ONE | 19.224 | 333.3 | 72.9 | 19.0 | | | | | | | | | | |
| 43130.0 | 45000.0 | 0.471 | 195.2 | -5.1 | 0.41 | 1.467 | 96.6 | 1.116 | -8.360 | 347.4 | 503.0 | 0.972 | NA | 0.38 | 0.475 | 170.8 | 168.6 | -55.2 | 0.485 |
| | | 10.04 | 10.24 | 20.28 | ONE | 19.224 | 333.3 | 72.9 | 18.8 | | | | | | | | | | |
| 43140.0 | 45000.0 | 0.452 | 189.6 | -3.1 | 0.30 | 1.468 | 91.4 | 1.119 | -8.257 | 357.3 | 502.6 | 0.983 | NA | 0.51 | 0.477 | 170.8 | 168.6 | -55.3 | 0.486 |
| | | 9.61 | 10.27 | 19.88 | ONE | 19.224 | 333.3 | 72.9 | 18.7 | | | | | | | | | | |
| 43150.0 | 45000.0 | 0.459 | 183.2 | -0.6 | 0.24 | 1.468 | 86.0 | 1.119 | -8.196 | 7.5 | 142.7 | 0.979D | NA | 0.58 | 0.478 | 170.8 | 168.6 | -55.3 | 0.487 |
| | | 9.77 | 10.29 | 20.06 | ONE | 19.224 | 333.3 | 72.9 | 18.7 | | | | | | | | | | |
| 43160.0 | 45000.0 | 0.493 | 177.5 | 1.7 | 0.21 | 1.468 | 80.5 | 1.117 | -8.173 | 18.1 | 143.0 | 0.958D | NA | 0.63 | 0.478 | 170.9 | 168.7 | -55.3 | 0.488 |
| | | 10.57 | 10.31 | 20.88 | ONE | 19.224 | 333.3 | 72.9 | 18.7 | | | | | | | | | | |
| 43170.0 | 45000.0 | 0.552 | 173.5 | 3.3 | 0.19 | 1.467 | 74.7 | 1.112 | -8.183 | 29.0 | 143.7 | 0.920D | NA | 0.67 | 0.478 | 171.1 | 168.7 | -55.1 | 0.488 |
| | | 11.99 | 10.32 | 22.31 | ONE | 19.224 | 333.3 | 72.9 | 18.9 | | | | | | | | | | |
| 43180.0 | 45000.0 | 0.629 | 171.5 | 4.1 | 0.18 | 1.466 | 68.8 | 1.105 | -8.221 | 40.2 | 144.8 | 0.884D | NA | 0.71 | 0.477 | 171.4 | 168.9 | -54.8 | 0.489 |
| | | 13.93 | 10.33 | 24.27 | ONE | 19.224 | 333.3 | 72.9 | 19.2 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2445100.0 | | | | | | | | | | |
| 43100.0 | 45100.0 | 0.607 | 197.5 | -10.5 | -1.25 | 1.451 | 110.5 | 1.072 | -12.068 | 320.4 | 507.5 | 0.871 | NA | 2.00 | 0.435 | 170.6 | 169.5 | -54.3 | 0.448 |
| | | 13.38 | 9.44 | 22.82 | TWO | 17.884 | 331.2 | 74.0 | 21.0 | | | | | | | | | | |
| 43110.0 | 45100.0 | 0.549 | 201.8 | -0.9 | 3.01 | 1.454 | 105.9 | 1.078 | -11.678 | 329.5 | 506.5 | 0.916 | NA | -2.25 | 0.438 | 170.4 | 168.2 | -54.5 | 0.450 |
| | | 11.94 | 9.49 | 21.43 | ONE | 17.884 | 331.2 | 74.0 | 20.7 | | | | | | | | | | |
| 43120.0 | 45100.0 | 0.495 | 197.9 | -5.4 | 0.69 | 1.455 | 101.0 | 1.084 | -11.376 | 338.8 | 505.7 | 0.950 | NA | 0.09 | 0.440 | 170.2 | 168.7 | -54.8 | 0.452 |
| | | 10.60 | 9.52 | 20.13 | ONE | 17.884 | 331.2 | 74.0 | 20.4 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43130.0 | 45100.0 | 0.457 | 193.7 | -4.5 | 0.39 | 1.457 | 96.0 | 1.087 | -11.154 | 348.4 | 505.2 | 0.974 | NA | 0.40 | 0.442 | 170.2 | 168.7 | -55.0 | 0.453 |
| | | 9.73 | 9.55 | 19.28 | ONE | 17.884 | 331.2 | 74.0 | 20.2 | | | | | | | | | | |
| 43140.0 | 45100.0 | 0.441 | 188.0 | -2.4 | 0.28 | 1.458 | 90.9 | 1.089 | -11.006 | 358.3 | 504.9 | 0.983 | NA | 0.52 | 0.444 | 170.1 | 168.7 | -55.1 | 0.454 |
| | | 9.36 | 9.58 | 18.94 | ONE | 17.884 | 331.2 | 74.0 | 20.1 | | | | | | | | | | |
| 43150.0 | 45100.0 | 0.451 | 181.6 | 0.1 | 0.23 | 1.458 | 85.5 | 1.089 | -10.924 | 8.6 | 144.9 | 0.978D | NA | 0.59 | 0.444 | 170.2 | 168.7 | -55.2 | 0.455 |
| | | 9.58 | 9.60 | 19.18 | ONE | 17.884 | 331.2 | 74.0 | 20.1 | | | | | | | | | | |
| 43160.0 | 45100.0 | 0.487 | 176.0 | 2.4 | 0.19 | 1.458 | 80.0 | 1.088 | -10.902 | 19.1 | 145.3 | 0.955D | NA | 0.64 | 0.445 | 170.3 | 168.8 | -55.1 | 0.456 |
| | | 10.43 | 9.61 | 20.04 | ONE | 17.884 | 331.2 | 74.0 | 20.1 | | | | | | | | | | |
| 43170.0 | 45100.0 | 0.547 | 172.2 | 3.8 | 0.17 | 1.457 | 74.4 | 1.084 | -10.935 | 30.0 | 146.0 | 0.916D | NA | 0.68 | 0.444 | 170.5 | 168.8 | -54.9 | 0.456 |
| | | 11.88 | 9.62 | 21.50 | ONE | 17.884 | 331.2 | 74.0 | 20.3 | | | | | | | | | | |
| 43180.0 | 45100.0 | 0.624 | 170.4 | 4.5 | 0.16 | 1.456 | 68.5 | 1.078 | -11.014 | 41.3 | 147.1 | 0.859D | NA | 0.71 | 0.444 | 170.8 | 169.0 | -54.6 | 0.457 |
| | | 13.82 | 9.63 | 23.46 | ONE | 17.884 | 331.2 | 74.0 | 20.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445200.0 | | | | | | | | | | | |
| 43100.0 | 45200.0 | 0.592 | 197.1 | -9.7 | -0.96 | 1.443 | 110.0 | 1.051 | -17.080 | 321.0 | 509.4 | 0.876 | NA | 1.71 | 0.406 | 169.9 | 169.5 | -54.0 | 0.421 |
| | | 13.00 | 8.86 | 21.86 | TWO | 18.761 | 328.9 | 75.0 | 22.5 | | | | | | | | | | |
| 43110.0 | 45200.0 | 0.540 | 202.8 | 3.2 | 4.56 | 1.445 | 105.3 | 1.056 | -16.406 | 330.2 | 508.4 | 0.920 | NA | -3.80 | 0.408 | 169.7 | 167.8 | -54.2 | 0.423 |
| | | 11.70 | 8.90 | 20.61 | ONE | 18.761 | 328.9 | 75.0 | 22.1 | | | | | | | | | | |
| 43120.0 | 45200.0 | 0.482 | 196.9 | -5.0 | 0.68 | 1.447 | 100.5 | 1.060 | -15.896 | 339.6 | 507.7 | 0.953 | NA | 0.10 | 0.411 | 169.6 | 168.8 | -54.6 | 0.424 |
| | | 10.29 | 8.93 | 19.23 | ONE | 18.761 | 328.9 | 75.0 | 21.8 | | | | | | | | | | |
| 43130.0 | 45200.0 | 0.446 | 192.5 | -4.0 | 0.37 | 1.448 | 95.5 | 1.063 | -15.530 | 349.3 | 507.2 | 0.975 | NA | 0.42 | 0.413 | 169.5 | 168.8 | -54.8 | 0.425 |
| | | 9.47 | 8.96 | 18.43 | ONE | 18.761 | 328.9 | 75.0 | 21.6 | | | | | | | | | | |
| 43140.0 | 45200.0 | 0.432 | 186.5 | -1.9 | 0.26 | 1.449 | 90.4 | 1.064 | -15.294 | 359.2 | 507.0 | 0.983 | NA | 0.54 | 0.414 | 169.5 | 168.8 | -54.9 | 0.426 |
| | | 9.15 | 8.98 | 18.13 | ONE | 18.761 | 328.9 | 75.0 | 21.5 | | | | | | | | | | |
| 43150.0 | 45200.0 | 0.444 | 180.1 | 0.7 | 0.21 | 1.449 | 85.1 | 1.064 | -15.175 | 9.5 | 147.1 | 0.976D | NA | 0.61 | 0.414 | 169.6 | 168.8 | -54.9 | 0.427 |
| | | 9.43 | 8.99 | 18.42 | ONE | 18.761 | 328.9 | 75.0 | 21.5 | | | | | | | | | | |
| 43160.0 | 45200.0 | 0.483 | 174.7 | 2.9 | 0.18 | 1.449 | 79.7 | 1.063 | -15.163 | 20.1 | 147.5 | 0.953D | NA | 0.65 | 0.415 | 169.7 | 168.9 | -54.8 | 0.428 |
| | | 10.32 | 9.00 | 19.32 | ONE | 18.761 | 328.9 | 75.0 | 21.6 | | | | | | | | | | |
| 43170.0 | 45200.0 | 0.543 | 171.1 | 4.3 | 0.16 | 1.448 | 74.1 | 1.060 | -15.247 | 31.0 | 148.2 | 0.912D | NA | 0.69 | 0.414 | 169.9 | 169.0 | -54.6 | 0.428 |
| | | 11.78 | 9.01 | 20.79 | ONE | 18.761 | 328.9 | 75.0 | 21.8 | | | | | | | | | | |
| 43180.0 | 45200.0 | 0.621 | 169.6 | 4.8 | 0.15 | 1.447 | 68.3 | 1.055 | -15.414 | 42.2 | 149.2 | 0.855D | NA | 0.72 | 0.413 | 170.2 | 169.1 | -54.3 | 0.429 |
| | | 13.73 | 9.02 | 22.75 | ONE | 18.761 | 328.9 | 75.0 | 22.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445300.0 | | | | | | | | | | | |
| 43090.0 | 45300.0 | 0.644 | 195.6 | -7.5 | -0.37 | 1.433 | 114.0 | 1.029 | -28.251 | 312.6 | 512.3 | 0.829 | NA | 1.11 | 0.376 | 169.5 | 169.6 | -53.3 | 0.394 |
| | | 14.33 | 8.32 | 22.65 | TWO | 19.889 | 326.3 | 76.0 | 24.4 | | | | | | | | | | |
| 43100.0 | 45300.0 | 0.579 | 196.8 | -9.0 | -0.74 | 1.436 | 109.5 | 1.033 | -26.399 | 321.6 | 511.2 | 0.880 | NA | 1.50 | 0.379 | 169.2 | 169.6 | -53.8 | 0.396 |
| | | 12.68 | 8.36 | 21.03 | TWO | 19.889 | 326.3 | 76.0 | 23.9 | | | | | | | | | | |
| 43110.0 | 45300.0 | 0.584 | 212.2 | 21.2 | 12.86 | 1.438 | 104.9 | 1.037 | -25.005 | 330.8 | 510.3 | 0.923 | NA | -12.10 | 0.382 | 169.0 | 165.5 | -53.3 | 0.399 |
| | | 12.79 | 8.41 | 21.20 | ONE | 19.889 | 326.3 | 76.0 | 23.9 | | | | | | | | | | |
| 43120.0 | 45300.0 | 0.471 | 196.0 | -4.6 | 0.67 | 1.439 | 100.1 | 1.040 | -23.985 | 340.3 | 509.6 | 0.956 | NA | 0.11 | 0.384 | 168.9 | 168.9 | -54.4 | 0.399 |
| | | 10.04 | 8.41 | 18.45 | ONE | 19.889 | 326.3 | 76.0 | 23.3 | | | | | | | | | | |
| 43130.0 | 45300.0 | 0.437 | 191.4 | -3.7 | 0.35 | 1.441 | 95.1 | 1.042 | -23.277 | 350.0 | 509.2 | 0.976 | NA | 0.44 | 0.386 | 168.8 | 168.9 | -54.6 | 0.400 |
| | | 9.25 | 8.44 | 17.69 | ONE | 19.889 | 326.3 | 76.0 | 23.1 | | | | | | | | | | |
| 43140.0 | 45300.0 | 0.425 | 185.3 | -1.4 | 0.24 | 1.441 | 90.0 | 1.043 | -22.840 | 360.0 | 509.0 | 0.983 | NA | 0.56 | 0.387 | 168.8 | 168.9 | -54.7 | 0.401 |
| | | 8.98 | 8.45 | 17.44 | ONE | 19.889 | 326.3 | 76.0 | 23.0 | | | | | | | | | | |
| 43150.0 | 45300.0 | 0.439 | 178.9 | 1.2 | 0.19 | 1.442 | 84.8 | 1.043 | -22.644 | 10.3 | 149.1 | 0.975D | NA | 0.62 | 0.387 | 168.9 | 168.9 | -54.7 | 0.401 |
| | | 9.30 | 8.47 | 17.77 | ONE | 19.889 | 326.3 | 76.0 | 23.0 | | | | | | | | | | |
| 43160.0 | 45300.0 | 0.478 | 173.6 | 3.3 | 0.16 | 1.441 | 79.4 | 1.042 | -22.664 | 20.9 | 149.4 | 0.951D | NA | 0.66 | 0.387 | 169.0 | 169.0 | -54.5 | 0.402 |
| | | 10.22 | 8.48 | 18.70 | ONE | 19.889 | 326.3 | 76.0 | 23.1 | | | | | | | | | | |
| 43170.0 | 45300.0 | 0.540 | 170.2 | 4.6 | 0.14 | 1.440 | 73.8 | 1.040 | -22.882 | 31.7 | 150.2 | 0.910D | NA | 0.70 | 0.387 | 169.3 | 169.1 | -54.3 | 0.402 |
| | | 11.70 | 8.48 | 20.18 | ONE | 19.889 | 326.3 | 76.0 | 23.3 | | | | | | | | | | |
| 43180.0 | 45300.0 | 0.617 | 168.9 | 5.1 | 0.13 | 1.439 | 68.1 | 1.037 | -23.277 | 42.9 | 151.2 | 0.852D | NA | 0.72 | 0.386 | 169.6 | 169.2 | -54.0 | 0.403 |
| | | 13.64 | 8.49 | 22.13 | ONE | 19.889 | 326.3 | 76.0 | 23.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445400.0 | | | | | | | | | | | |
| 43090.0 | 45400.0 | 0.633 | 195.4 | -7.2 | -0.30 | 1.427 | 113.7 | 1.015 | -55.536 | 313.0 | 513.9 | 0.832 | NA | 1.05 | 0.352 | 168.8 | 169.8 | -53.0 | 0.372 |
| | | 14.05 | 7.88 | 21.93 | TWO | 18.787 | 323.2 | 77.0 | 25.9 | | | | | | | | | | |
| 43100.0 | 45400.0 | 0.569 | 196.5 | -8.5 | -0.57 | 1.430 | 109.1 | 1.018 | -49.464 | 322.1 | 512.9 | 0.883 | NA | 1.33 | 0.355 | 168.5 | 169.7 | -53.4 | 0.374 |
| | | 12.41 | 7.91 | 20.32 | TWO | 18.787 | 323.2 | 77.0 | 25.5 | | | | | | | | | | |
| 43110.0 | 45400.0 | 0.544 | 187.9 | -29.6 | -9.17 | 1.432 | 104.5 | 1.020 | -45.279 | 331.3 | 512.0 | 0.926 | NA | 9.94 | 0.357 | 168.3 | 172.3 | -54.0 | 0.376 |
| | | 11.80 | 7.95 | 19.75 | TWO | 18.787 | 323.2 | 77.0 | 25.3 | | | | | | | | | | |
| 43120.0 | 45400.0 | 0.461 | 195.2 | -4.3 | 0.65 | 1.433 | 99.7 | 1.023 | -42.413 | 340.9 | 511.4 | 0.957 | NA | 0.12 | 0.360 | 168.2 | 169.0 | -54.1 | 0.376 |
| | | 9.82 | 7.96 | 17.78 | ONE | 18.787 | 323.2 | 77.0 | 24.8 | | | | | | | | | | |
| 43130.0 | 45400.0 | 0.429 | 190.4 | -3.3 | 0.32 | 1.434 | 94.7 | 1.024 | -40.533 | 350.6 | 511.0 | 0.977 | NA | 0.46 | 0.361 | 168.1 | 169.1 | -54.3 | 0.377 |
| | | 9.07 | 7.98 | 17.05 | ONE | 18.787 | 323.2 | 77.0 | 24.6 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 45400.0 | 0.418 | 184.2 | -1.0 | 0.22 | 1.435 | 89.7 | 1.025 | -39.439 | 0.6 | 150.8 | 0.983D | NA | 0.58 | 0.362 | 168.1 | 169.1 | -54.4 | 0.378 |
| | | 8.84 | 7.99 | 16.83 | ONE | 18.787 | 323.2 | 77.0 | 24.5 | | | | | | | | | | |
| 43150.0 | 45400.0 | 0.434 | 177.8 | 1.5 | 0.17 | 1.435 | 84.5 | 1.025 | -39.008 | 10.9 | 150.9 | 0.974D | NA | 0.64 | 0.362 | 168.2 | 169.1 | -54.3 | 0.378 |
| | | 9.19 | 8.00 | 17.20 | ONE | 18.787 | 323.2 | 77.0 | 24.5 | | | | | | | | | | |
| 43160.0 | 45400.0 | 0.475 | 172.6 | 3.6 | 0.14 | 1.435 | 79.1 | 1.024 | -39.171 | 21.5 | 151.3 | 0.949D | NA | 0.68 | 0.362 | 168.3 | 169.2 | -54.2 | 0.379 |
| | | 10.14 | 8.01 | 18.15 | ONE | 18.787 | 323.2 | 77.0 | 24.6 | | | | | | | | | | |
| 43170.0 | 45400.0 | 0.537 | 169.5 | 4.9 | 0.12 | 1.434 | 73.6 | 1.023 | -39.885 | 32.4 | 152.0 | 0.907D | NA | 0.70 | 0.362 | 168.6 | 169.3 | -54.0 | 0.379 |
| | | 11.62 | 8.02 | 19.64 | ONE | 18.787 | 323.2 | 77.0 | 24.9 | | | | | | | | | | |
| 43180.0 | 45400.0 | 0.614 | 168.3 | 5.3 | 0.11 | 1.433 | 68.0 | 1.021 | -41.125 | 43.5 | 153.0 | 0.849D | NA | 0.73 | 0.361 | 168.9 | 169.4 | -53.6 | 0.380 |
| | | 13.55 | 8.03 | 21.58 | ONE | 18.787 | 323.2 | 77.0 | 25.3 | | | | | | | | | | |
| ARRIVAL DATE = 2445500.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 45500.0 | 0.624 | 195.2 | -7.0 | -0.24 | 1.422 | 113.3 | 1.003 | ******* | 313.4 | 515.4 | 0.835 | NA | 0.99 | 0.330 | 168.0 | 169.9 | -52.6 | 0.352 |
| | | 13.82 | 7.49 | 21.31 | TWO | 17.962 | 319.7 | 77.9 | 27.5 | | | | | | | | | | |
| 43100.0 | 45500.0 | 0.560 | 196.3 | -8.1 | -0.44 | 1.424 | 108.8 | 1.004 | ******* | 322.5 | 514.4 | 0.886 | NA | 1.20 | 0.333 | 167.8 | 169.8 | -53.1 | 0.353 |
| | | 12.19 | 7.52 | 19.71 | TWO | 17.962 | 319.7 | 77.9 | 27.1 | | | | | | | | | | |
| 43110.0 | 45500.0 | 0.504 | 193.4 | -14.1 | -2.80 | 1.426 | 104.2 | 1.006 | ******* | 331.8 | 513.7 | 0.928 | NA | 3.56 | 0.335 | 167.6 | 170.4 | -53.6 | 0.355 |
| | | 10.84 | 7.54 | 18.38 | TWO | 17.962 | 319.7 | 77.9 | 26.7 | | | | | | | | | | |
| 43120.0 | 45500.0 | 0.454 | 194.6 | -4.1 | 0.63 | 1.428 | 99.4 | 1.008 | ******* | 341.3 | 513.1 | 0.959 | NA | 0.14 | 0.337 | 167.4 | 169.2 | -53.7 | 0.355 |
| | | 9.64 | 7.56 | 17.20 | ONE | 17.962 | 319.7 | 77.9 | 26.3 | | | | | | | | | | |
| 43130.0 | 45500.0 | 0.422 | 189.6 | -3.1 | 0.29 | 1.429 | 94.5 | 1.009 | ******* | 351.1 | 512.7 | 0.978 | NA | 0.49 | 0.339 | 167.4 | 169.2 | -53.9 | 0.356 |
| | | 8.92 | 7.58 | 16.50 | ONE | 17.962 | 319.7 | 77.9 | 26.1 | | | | | | | | | | |
| 43140.0 | 45500.0 | 0.413 | 183.3 | -0.7 | 0.19 | 1.429 | 89.4 | 1.009 | ******* | 1.2 | 152.5 | 0.983D | NA | 0.60 | 0.339 | 167.4 | 169.2 | -54.0 | 0.357 |
| | | 8.72 | 7.59 | 16.31 | ONE | 17.962 | 319.7 | 77.9 | 26.1 | | | | | | | | | | |
| 43150.0 | 45500.0 | 0.430 | 177.0 | 1.8 | 0.15 | 1.430 | 84.2 | 1.010 | ******* | 11.5 | 152.7 | 0.973D | NA | 0.65 | 0.340 | 167.4 | 169.3 | -54.0 | 0.357 |
| | | 9.10 | 7.60 | 16.70 | ONE | 17.962 | 319.7 | 77.9 | 26.1 | | | | | | | | | | |
| 43160.0 | 45500.0 | 0.472 | 171.9 | 3.9 | 0.12 | 1.429 | 78.9 | 1.009 | ******* | 22.1 | 153.0 | 0.948D | NA | 0.69 | 0.339 | 167.6 | 169.3 | -53.9 | 0.358 |
| | | 10.06 | 7.61 | 17.67 | ONE | 17.962 | 319.7 | 77.9 | 26.2 | | | | | | | | | | |
| 43170.0 | 45500.0 | 0.534 | 168.9 | 5.1 | 0.11 | 1.428 | 73.5 | 1.008 | ******* | 32.9 | 153.7 | 0.905D | NA | 0.71 | 0.339 | 167.9 | 169.4 | -53.6 | 0.358 |
| | | 11.55 | 7.61 | 19.16 | ONE | 17.962 | 319.7 | 77.9 | 26.5 | | | | | | | | | | |
| 43180.0 | 45500.0 | 0.611 | 167.9 | 5.4 | 0.10 | 1.427 | 67.9 | 1.007 | ******* | 44.0 | 154.7 | 0.847D | NA | 0.73 | 0.338 | 168.2 | 169.6 | -53.2 | 0.359 |
| | | 13.47 | 7.62 | 21.10 | ONE | 17.962 | 319.7 | 77.9 | 26.9 | | | | | | | | | | |
| ARRIVAL DATE = 2445600.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 45600.0 | 0.617 | 195.0 | -6.8 | -0.19 | 1.417 | 113.1 | 0.992 | 101.723 | 313.6 | 516.9 | 0.838 | 202.608A | 0.94 | 0.309 | 167.3 | 170.1 | -52.2 | 0.334 |
| | | 13.63 | 7.15 | 20.78 | TWO | 19.329 | 315.7 | 78.8 | 29.2 | | | | | | | | | | |
| 43100.0 | 45600.0 | 0.552 | 196.1 | -7.7 | -0.33 | 1.420 | 108.5 | 0.993 | 124.331 | 322.8 | 515.9 | 0.888 | 247.773A | 1.09 | 0.312 | 167.0 | 169.9 | -52.7 | 0.335 |
| | | 12.00 | 7.17 | 19.18 | TWO | 19.329 | 315.7 | 78.8 | 28.7 | | | | | | | | | | |
| 43110.0 | 45600.0 | 0.495 | 194.4 | -10.4 | -1.40 | 1.422 | 103.9 | 0.994 | 152.726 | 332.1 | 515.2 | 0.930 | 304.523A | 2.17 | 0.315 | 166.8 | 170.2 | -53.1 | 0.336 |
| | | 10.61 | 7.19 | 17.80 | TWO | 19.329 | 315.7 | 78.8 | 28.3 | | | | | | | | | | |
| 43120.0 | 45600.0 | 0.447 | 194.1 | -4.0 | 0.61 | 1.423 | 99.1 | 0.995 | 186.142 | 341.7 | 514.6 | 0.960 | 371.323A | 0.16 | 0.316 | 166.7 | 169.3 | -53.3 | 0.337 |
| | | 9.49 | 7.21 | 16.70 | ONE | 19.329 | 315.7 | 78.8 | 28.0 | | | | | | | | | | |
| 43130.0 | 45600.0 | 0.416 | 189.0 | -2.9 | 0.25 | 1.424 | 94.2 | 0.996 | 220.456 | 351.5 | 514.3 | 0.979 | 439.933A | 0.53 | 0.318 | 166.6 | 169.4 | -53.5 | 0.337 |
| | | 8.80 | 7.22 | 16.02 | ONE | 19.329 | 315.7 | 78.8 | 27.8 | | | | | | | | | | |
| 43140.0 | 45600.0 | 0.408 | 182.6 | -0.5 | 0.16 | 1.425 | 89.2 | 0.996 | 247.005 | 1.6 | 154.2 | 0.983D | 493.026A | 0.62 | 0.319 | 166.6 | 169.4 | -53.6 | 0.338 |
| | | 8.62 | 7.23 | 15.85 | ONE | 19.329 | 315.7 | 78.8 | 27.7 | | | | | | | | | | |
| 43150.0 | 45600.0 | 0.426 | 176.3 | 2.1 | 0.12 | 1.425 | 84.1 | 0.996 | 255.999 | 11.9 | 154.3 | 0.973D | 511.026A | 0.67 | 0.319 | 166.7 | 169.4 | -53.6 | 0.338 |
| | | 9.02 | 7.24 | 16.26 | ONE | 19.329 | 315.7 | 78.8 | 27.7 | | | | | | | | | | |
| 43160.0 | 45600.0 | 0.469 | 171.3 | 4.1 | 0.10 | 1.424 | 78.8 | 0.996 | 244.239 | 22.5 | 154.7 | 0.946D | 487.532A | 0.70 | 0.318 | 166.8 | 169.5 | -53.4 | 0.339 |
| | | 9.99 | 7.25 | 17.24 | ONE | 19.329 | 315.7 | 78.8 | 27.9 | | | | | | | | | | |
| 43170.0 | 45600.0 | 0.531 | 168.4 | 5.2 | 0.09 | 1.424 | 73.4 | 0.996 | 218.154 | 33.3 | 155.3 | 0.904D | 435.403A | 0.72 | 0.318 | 167.1 | 169.6 | -53.2 | 0.339 |
| | | 11.48 | 7.26 | 18.73 | ONE | 19.329 | 315.7 | 78.8 | 28.1 | | | | | | | | | | |
| 43180.0 | 45600.0 | 0.608 | 167.5 | 5.6 | 0.08 | 1.422 | 67.9 | 0.995 | 187.487 | 44.3 | 156.2 | 0.846D | 374.128A | 0.74 | 0.316 | 167.5 | 169.7 | -52.8 | 0.340 |
| | | 13.39 | 7.27 | 20.66 | ONE | 19.329 | 315.7 | 78.8 | 28.5 | | | | | | | | | | |
| ARRIVAL DATE = 2445700.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 45700.0 | 0.610 | 194.9 | -6.7 | -0.14 | 1.413 | 112.9 | 0.982 | 47.616 | 313.8 | 518.2 | 0.840 | 94.393A | 0.90 | 0.291 | 166.5 | 170.2 | -51.7 | 0.317 |
| | | 13.47 | 6.85 | 20.32 | TWO | 19.836 | 311.0 | 79.6 | 30.9 | | | | | | | | | | |
| 43100.0 | 45700.0 | 0.546 | 196.0 | -7.4 | -0.24 | 1.416 | 108.3 | 0.983 | 51.602 | 323.0 | 517.4 | 0.890 | 102.313A | 1.00 | 0.293 | 166.2 | 170.1 | -52.2 | 0.318 |
| | | 11.85 | 6.87 | 18.72 | TWO | 19.836 | 311.0 | 79.6 | 30.4 | | | | | | | | | | |
| 43110.0 | 45700.0 | 0.488 | 194.8 | -8.7 | -0.79 | 1.417 | 103.7 | 0.983 | 55.470 | 332.4 | 516.7 | 0.931 | 110.009A | 1.56 | 0.296 | 166.0 | 170.1 | -52.6 | 0.319 |
| | | 10.45 | 6.89 | 17.34 | TWO | 19.836 | 311.0 | 79.6 | 29.9 | | | | | | | | | | |
| 43120.0 | 45700.0 | 0.441 | 193.7 | -3.9 | 0.58 | 1.419 | 98.9 | 0.984 | 58.916 | 342.0 | 516.1 | 0.961 | 116.871A | 0.20 | 0.297 | 165.8 | 169.5 | -52.9 | 0.319 |
| | | 9.36 | 6.90 | 16.26 | ONE | 19.836 | 311.0 | 79.6 | 29.6 | | | | | | | | | | |
| 43130.0 | 45700.0 | 0.412 | 188.4 | -2.8 | 0.21 | 1.420 | 94.0 | 0.984 | 61.603 | 351.8 | 515.8 | 0.979 | 122.227A | 0.57 | 0.299 | 165.8 | 169.6 | -53.1 | 0.320 |
| | | 8.69 | 6.91 | 15.60 | ONE | 19.836 | 311.0 | 79.6 | 29.4 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 45700.0 | 0.404 | 182.1 | -0.4 | 0.13 | 1.421 | 89.0 | 0.984 | 63.227 | 1.9 | 155.7 | 0.983D | 125.471A | 0.65 | 0.299 | 165.8 | 169.6 | -53.2 | 0.321 |
| | | 8.53 | 6.92 | 15.45 | ONE | 19.836 | 311.0 | 79.6 | 29.3 | | | | | | | | | | |
| 43150.0 | 45700.0 | 0.423 | 175.7 | 2.2 | 0.10 | 1.421 | 83.9 | 0.985 | 63.614 | 12.2 | 155.8 | 0.972D | 126.256A | 0.69 | 0.299 | 165.9 | 169.6 | -53.2 | 0.321 |
| | | 8.95 | 6.93 | 15.87 | ONE | 19.836 | 311.0 | 79.6 | 29.4 | | | | | | | | | | |
| 43160.0 | 45700.0 | 0.466 | 170.8 | 4.2 | 0.08 | 1.420 | 78.7 | 0.985 | 62.772 | 22.8 | 156.2 | 0.946D | 124.599A | 0.71 | 0.299 | 166.0 | 169.7 | -53.0 | 0.321 |
| | | 9.93 | 6.93 | 16.86 | ONE | 19.836 | 311.0 | 79.6 | 29.5 | | | | | | | | | | |
| 43170.0 | 45700.0 | 0.528 | 168.0 | 5.3 | 0.07 | 1.419 | 73.3 | 0.985 | 60.890 | 33.6 | 156.8 | 0.903D | 120.878A | 0.73 | 0.298 | 166.3 | 169.8 | -52.7 | 0.322 |
| | | 11.41 | 6.94 | 18.35 | ONE | 19.836 | 311.0 | 79.6 | 29.8 | | | | | | | | | | |
| 43180.0 | 45700.0 | 0.604 | 167.3 | 5.6 | 0.06 | 1.418 | 67.9 | 0.985 | 58.280 | 44.6 | 157.7 | 0.845D | 115.714A | 0.75 | 0.297 | 166.7 | 169.9 | -52.3 | 0.322 |
| | | 13.31 | 6.95 | 20.26 | ONE | 19.836 | 311.0 | 79.6 | 30.2 | | | | | | | | | | |
| ARRIVAL DATE = 2445800.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 45800.0 | 0.605 | 194.9 | -6.6 | -0.10 | 1.410 | 112.7 | 0.974 | 32.560 | 313.9 | 519.5 | 0.841 | 64.279A | 0.86 | 0.273 | 165.6 | 170.4 | -51.1 | 0.301 |
| | | 13.34 | 6.59 | 19.93 | TWO | 18.381 | 305.5 | 80.3 | 32.6 | | | | | | | | | | |
| 43100.0 | 45800.0 | 0.541 | 195.9 | -7.2 | -0.16 | 1.412 | 108.2 | 0.974 | 34.208 | 323.1 | 518.7 | 0.891 | 67.525A | 0.93 | 0.276 | 165.3 | 170.3 | -51.7 | 0.302 |
| | | 11.72 | 6.60 | 18.32 | TWO | 18.381 | 305.5 | 80.3 | 32.1 | | | | | | | | | | |
| 43110.0 | 45800.0 | 0.483 | 195.0 | -7.8 | -0.45 | 1.414 | 103.5 | 0.974 | 35.709 | 332.6 | 518.0 | 0.932 | 70.486A | 1.22 | 0.278 | 165.1 | 170.2 | -52.1 | 0.303 |
| | | 10.33 | 6.61 | 16.95 | TWO | 18.381 | 305.5 | 80.3 | 31.6 | | | | | | | | | | |
| 43120.0 | 45800.0 | 0.437 | 193.4 | -3.9 | 0.53 | 1.415 | 98.8 | 0.974 | 36.967 | 342.2 | 517.5 | 0.962 | 72.972A | 0.25 | 0.280 | 165.0 | 169.7 | -52.4 | 0.304 |
| | | 9.26 | 6.62 | 15.89 | ONE | 18.381 | 305.5 | 80.3 | 31.3 | | | | | | | | | | |
| 43130.0 | 45800.0 | 0.407 | 188.0 | -2.8 | 0.17 | 1.416 | 93.9 | 0.974 | 37.892 | 352.1 | 517.2 | 0.979 | 74.804A | 0.61 | 0.281 | 164.9 | 169.8 | -52.6 | 0.304 |
| | | 8.60 | 6.63 | 15.23 | ONE | 18.381 | 305.5 | 80.3 | 31.1 | | | | | | | | | | |
| 43140.0 | 45800.0 | 0.401 | 181.6 | -0.3 | 0.10 | 1.417 | 88.9 | 0.974 | 38.415 | 2.2 | 157.1 | 0.983D | 75.848A | 0.68 | 0.282 | 164.9 | 169.8 | -52.7 | 0.305 |
| | | 8.46 | 6.64 | 15.10 | ONE | 18.381 | 305.5 | 80.3 | 31.0 | | | | | | | | | | |
| 43150.0 | 45800.0 | 0.420 | 175.3 | 2.3 | 0.07 | 1.417 | 83.8 | 0.975 | 38.505 | 12.5 | 157.3 | 0.972D | 76.039A | 0.71 | 0.282 | 165.0 | 169.8 | -52.7 | 0.305 |
| | | 8.88 | 6.65 | 15.53 | ONE | 18.381 | 305.5 | 80.3 | 31.1 | | | | | | | | | | |
| 43160.0 | 45800.0 | 0.463 | 170.5 | 4.3 | 0.06 | 1.417 | 78.6 | 0.975 | 38.174 | 23.0 | 157.6 | 0.945D | 75.403A | 0.73 | 0.281 | 165.2 | 169.9 | -52.5 | 0.306 |
| | | 9.86 | 6.66 | 16.52 | ONE | 18.381 | 305.5 | 80.3 | 31.2 | | | | | | | | | | |
| 43170.0 | 45800.0 | 0.525 | 167.8 | 5.4 | 0.05 | 1.416 | 73.3 | 0.976 | 37.475 | 33.8 | 158.2 | 0.903D | 74.048A | 0.74 | 0.280 | 165.5 | 170.0 | -52.2 | 0.306 |
| | | 11.34 | 6.66 | 18.00 | ONE | 18.381 | 305.5 | 80.3 | 31.5 | | | | | | | | | | |
| 43180.0 | 45800.0 | 0.601 | 167.1 | 5.6 | 0.05 | 1.415 | 67.9 | 0.977 | 36.494 | 44.8 | 159.0 | 0.845D | 72.143A | 0.75 | 0.279 | 165.9 | 170.2 | -51.8 | 0.307 |
| | | 13.23 | 6.67 | 19.90 | ONE | 18.381 | 305.5 | 80.3 | 32.0 | | | | | | | | | | |
| ARRIVAL DATE = 2445900.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 45900.0 | 0.602 | 194.9 | -6.5 | -0.06 | 1.407 | 112.6 | 0.967 | 25.522 | 313.9 | 520.7 | 0.842 | 50.203A | 0.83 | 0.257 | 164.7 | 170.6 | -50.6 | 0.287 |
| | | 13.24 | 6.35 | 19.59 | TWO | 18.292 | 299.3 | 81.0 | 34.4 | | | | | | | | | | |
| 43100.0 | 45900.0 | 0.537 | 195.9 | -7.0 | -0.09 | 1.409 | 108.1 | 0.966 | 26.438 | 323.2 | 520.0 | 0.892 | 51.985A | 0.86 | 0.260 | 164.4 | 170.5 | -51.1 | 0.288 |
| | | 11.63 | 6.36 | 17.99 | TWO | 18.292 | 299.3 | 81.0 | 33.8 | | | | | | | | | | |
| 43110.0 | 45900.0 | 0.479 | 195.1 | -7.2 | -0.23 | 1.411 | 103.4 | 0.966 | 27.247 | 332.7 | 519.3 | 0.932 | 53.562A | 1.00 | 0.262 | 164.2 | 170.4 | -51.6 | 0.289 |
| | | 10.24 | 6.37 | 16.61 | TWO | 18.292 | 299.3 | 81.0 | 33.4 | | | | | | | | | | |
| 43120.0 | 45900.0 | 0.433 | 193.1 | -4.1 | 0.44 | 1.412 | 98.7 | 0.966 | 27.906 | 342.3 | 518.9 | 0.962 | 54.850A | 0.33 | 0.263 | 164.1 | 170.0 | -51.9 | 0.289 |
| | | 9.17 | 6.38 | 15.55 | ONE | 18.292 | 299.3 | 81.0 | 33.0 | | | | | | | | | | |
| 43130.0 | 45900.0 | 0.404 | 187.7 | -2.9 | 0.11 | 1.413 | 93.8 | 0.965 | 28.376 | 352.2 | 518.6 | 0.980 | 55.773A | 0.66 | 0.265 | 164.0 | 170.0 | -52.1 | 0.290 |
| | | 8.52 | 6.39 | 14.91 | ONE | 18.292 | 299.3 | 81.0 | 32.8 | | | | | | | | | | |
| 43140.0 | 45900.0 | 0.398 | 181.3 | -0.3 | 0.07 | 1.414 | 88.9 | 0.966 | 28.631 | 2.3 | 158.5 | 0.983D | 56.278A | 0.71 | 0.265 | 164.0 | 170.0 | -52.2 | 0.290 |
| | | 8.39 | 6.40 | 14.79 | ONE | 18.292 | 299.3 | 81.0 | 32.7 | | | | | | | | | | |
| 43150.0 | 45900.0 | 0.417 | 175.0 | 2.3 | 0.05 | 1.414 | 83.8 | 0.966 | 28.659 | 12.6 | 158.6 | 0.972D | 56.346A | 0.73 | 0.265 | 164.1 | 170.0 | -52.1 | 0.291 |
| | | 8.82 | 6.40 | 15.22 | ONE | 18.292 | 299.3 | 81.0 | 32.8 | | | | | | | | | | |
| 43160.0 | 45900.0 | 0.460 | 170.3 | 4.3 | 0.04 | 1.413 | 78.6 | 0.967 | 28.468 | 23.2 | 158.9 | 0.945D | 55.991A | 0.75 | 0.265 | 164.3 | 170.1 | -52.0 | 0.291 |
| | | 9.80 | 6.41 | 16.21 | ONE | 18.292 | 299.3 | 81.0 | 33.0 | | | | | | | | | | |
| 43170.0 | 45900.0 | 0.522 | 167.6 | 5.4 | 0.03 | 1.413 | 73.3 | 0.968 | 28.084 | 33.9 | 159.5 | 0.902D | 55.265A | 0.75 | 0.264 | 164.6 | 170.2 | -51.6 | 0.292 |
| | | 11.27 | 6.42 | 17.69 | ONE | 18.292 | 299.3 | 81.0 | 33.3 | | | | | | | | | | |
| 43180.0 | 45900.0 | 0.598 | 167.0 | 5.6 | 0.03 | 1.411 | 68.0 | 0.969 | 27.545 | 44.8 | 160.3 | 0.845D | 54.245A | 0.76 | 0.262 | 165.0 | 170.4 | -51.2 | 0.292 |
| | | 13.14 | 6.43 | 19.57 | ONE | 18.292 | 299.3 | 81.0 | 33.7 | | | | | | | | | | |
| ARRIVAL DATE = 2446000.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46000.0 | 0.599 | 195.0 | -6.5 | -0.02 | 1.404 | 112.6 | 0.961 | 21.465 | 313.9 | 521.9 | 0.842 | 42.089A | 0.79 | 0.242 | 163.8 | 170.8 | -49.9 | 0.275 |
| | | 13.16 | 6.14 | 19.31 | TWO | 19.800 | 292.2 | 81.5 | 36.2 | | | | | | | | | | |
| 43100.0 | 46000.0 | 0.534 | 196.0 | -6.9 | -0.03 | 1.406 | 108.0 | 0.960 | 22.057 | 323.2 | 521.2 | 0.892 | 43.223A | 0.81 | 0.244 | 163.5 | 170.7 | -50.5 | 0.275 |
| | | 11.55 | 6.15 | 17.70 | TWO | 19.800 | 292.2 | 81.5 | 35.7 | | | | | | | | | | |
| 43110.0 | 46000.0 | 0.476 | 195.2 | -6.8 | -0.08 | 1.408 | 103.4 | 0.959 | 22.572 | 332.7 | 520.6 | 0.933 | 44.210A | 0.85 | 0.247 | 163.3 | 170.5 | -51.0 | 0.276 |
| | | 10.16 | 6.16 | 16.32 | TWO | 19.800 | 292.2 | 81.5 | 35.2 | | | | | | | | | | |
| 43120.0 | 46000.0 | 0.430 | 192.8 | -4.6 | 0.27 | 1.410 | 98.6 | 0.958 | 22.983 | 342.4 | 520.1 | 0.962 | 45.003A | 0.50 | 0.248 | 163.1 | 170.3 | -51.3 | 0.276 |
| | | 9.10 | 6.17 | 15.27 | ONE | 19.800 | 292.2 | 81.5 | 34.8 | | | | | | | | | | |
| 43130.0 | 46000.0 | 0.401 | 187.5 | -3.1 | 0.05 | 1.411 | 93.8 | 0.958 | 23.270 | 352.3 | 519.8 | 0.980 | 45.561A | 0.72 | 0.249 | 163.0 | 170.3 | -51.5 | 0.277 |
| | | 8.46 | 6.17 | 14.63 | ONE | 19.800 | 292.2 | 81.5 | 34.6 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 46000.0 | 0.395<br>8.33 | 181.1<br>6.18 | -0.4<br>14.51 | 0.03<br>ONE | 1.411<br>19.800 | 88.8<br>292.2 | 0.958<br>81.5 | 23.420<br>34.5 | 2.4 | 159.8 | 0.983D | 45.858A | 0.75 | 0.250 | 163.0 | 170.3 | -51.6 | 0.277 |
| 43150.0 | 46000.0 | 0.415<br>8.76 | 174.9<br>6.18 | 2.3<br>14.95 | 0.02<br>ONE | 1.411<br>19.800 | 83.8<br>292.2 | 0.959<br>81.5 | 23.428<br>34.6 | 12.7 | 159.9 | 0.972D | 45.885A | 0.76 | 0.250 | 163.1 | 170.3 | -51.6 | 0.277 |
| 43160.0 | 46000.0 | 0.458<br>9.74 | 170.1<br>6.19 | 4.3<br>15.93 | 0.02<br>ONE | 1.411<br>19.800 | 78.6<br>292.2 | 0.959<br>81.5 | 23.299<br>34.8 | 23.2 | 160.2 | 0.945D | 45.653A | 0.76 | 0.249 | 163.3 | 170.3 | -51.4 | 0.278 |
| 43170.0 | 46000.0 | 0.519<br>11.20 | 167.6<br>6.20 | 5.4<br>17.40 | 0.01<br>ONE | 1.410<br>19.800 | 73.4<br>292.2 | 0.961<br>81.5 | 23.047<br>35.1 | 33.9 | 160.7 | 0.903D | 45.191A | 0.76 | 0.248 | 163.7 | 170.5 | -51.1 | 0.278 |
| 43180.0 | 46000.0 | 0.594<br>13.06 | 167.0<br>6.21 | 5.6<br>19.27 | 0.01<br>ONE | 1.409<br>19.800 | 68.0<br>292.2 | 0.963<br>81.5 | 22.694<br>35.6 | 44.8 | 161.5 | 0.846D | 44.543A | 0.77 | 0.247 | 164.1 | 170.6 | -50.6 | 0.279 |
| ARRIVAL DATE = 2446100.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46100.0 | 0.596<br>13.11 | 195.1<br>5.96 | -6.4<br>19.07 | 0.01<br>TWO | 1.402<br>19.558 | 112.5<br>284.4 | 0.955<br>81.9 | 18.841<br>38.1 | 313.8 | 523.0 | 0.842 | 36.840A | 0.76 | 0.228 | 162.8 | 171.1 | -49.3 | 0.263 |
| 43100.0 | 46100.0 | 0.531<br>11.49 | 196.1<br>5.96 | -6.8<br>17.45 | 0.02<br>TWO | 1.404<br>19.558 | 108.0<br>284.4 | 0.954<br>81.9 | 19.261<br>37.5 | 323.1 | 522.3 | 0.892 | 37.629A | 0.76 | 0.230 | 162.5 | 170.9 | -49.9 | 0.263 |
| 43110.0 | 46100.0 | 0.473<br>10.10 | 195.4<br>5.97 | -6.5<br>16.07 | 0.03<br>TWO | 1.406<br>19.558 | 103.3<br>284.4 | 0.952<br>81.9 | 19.621<br>37.0 | 332.7 | 521.7 | 0.933 | 38.309A | 0.74 | 0.232 | 162.3 | 170.7 | -50.3 | 0.264 |
| 43120.0 | 46100.0 | 0.427<br>9.04 | 192.1<br>5.98 | -6.2<br>15.02 | -0.28<br>ONE | 1.407<br>19.558 | 98.6<br>284.4 | 0.952<br>81.9 | 19.906<br>36.7 | 342.4 | 521.3 | 0.963 | 38.849A | 1.05 | 0.234 | 162.1 | 170.7 | -50.7 | 0.264 |
| 43130.0 | 46100.0 | 0.399<br>8.41 | 187.4<br>5.98 | -3.3<br>14.39 | -0.03<br>ONE | 1.408<br>19.558 | 93.7<br>284.4 | 0.951<br>81.9 | 20.102<br>36.4 | 352.3 | 521.0 | 0.980 | 39.225A | 0.80 | 0.235 | 162.0 | 170.5 | -50.9 | 0.265 |
| 43140.0 | 46100.0 | 0.393<br>8.28 | 181.0<br>5.99 | -0.5<br>14.27 | -0.01<br>ONE | 1.409<br>19.558 | 88.8<br>284.4 | 0.951<br>81.9 | 20.201<br>36.3 | 2.4 | 161.0 | 0.983D | 39.420A | 0.79 | 0.236 | 162.0 | 170.5 | -51.0 | 0.265 |
| 43150.0 | 46100.0 | 0.412<br>8.71 | 174.8<br>5.99 | 2.2<br>14.70 | -0.01<br>ONE | 1.409<br>19.558 | 83.8<br>284.4 | 0.952<br>81.9 | 20.201<br>36.4 | 12.7 | 161.1 | 0.972D | 39.431A | 0.78 | 0.236 | 162.1 | 170.5 | -50.9 | 0.265 |
| 43160.0 | 46100.0 | 0.455<br>9.68 | 170.1<br>6.00 | 4.2<br>15.68 | -0.01<br>ONE | 1.408<br>19.558 | 78.7<br>284.4 | 0.953<br>81.9 | 20.105<br>36.6 | 23.2 | 161.4 | 0.945D | 39.265A | 0.78 | 0.235 | 162.3 | 170.6 | -50.8 | 0.266 |
| 43170.0 | 46100.0 | 0.516<br>11.13 | 167.6<br>6.01 | 5.3<br>17.13 | -0.01<br>ONE | 1.407<br>19.558 | 73.5<br>284.4 | 0.955<br>81.9 | 19.922<br>36.9 | 33.9 | 161.9 | 0.903D | 38.941A | 0.78 | 0.234 | 162.7 | 170.7 | -50.4 | 0.266 |
| 43180.0 | 46100.0 | 0.591<br>12.97 | 167.0<br>6.02 | 5.5<br>18.98 | -0.01<br>ONE | 1.406<br>19.558 | 68.2<br>284.4 | 0.957<br>81.9 | 19.668<br>37.4 | 44.7 | 162.6 | 0.846D | 38.489A | 0.78 | 0.233 | 163.1 | 170.8 | -50.0 | 0.267 |
| ARRIVAL DATE = 2446200.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46200.0 | 0.595<br>13.07 | 195.3<br>5.79 | -6.4<br>18.87 | 0.04<br>TWO | 1.400<br>18.134 | 112.6<br>276.1 | 0.951<br>82.1 | 17.013<br>40.0 | 313.6 | 524.0 | 0.841 | 33.186A | 0.74 | 0.215 | 161.8 | 171.3 | -48.6 | 0.252 |
| 43100.0 | 46200.0 | 0.530<br>11.45 | 196.3<br>5.80 | -6.8<br>17.25 | 0.06<br>TWO | 1.402<br>18.134 | 108.0<br>276.1 | 0.949<br>82.1 | 17.331<br>39.4 | 323.0 | 523.4 | 0.892 | 33.770A | 0.72 | 0.217 | 161.4 | 171.1 | -49.2 | 0.253 |
| 43110.0 | 46200.0 | 0.472<br>10.06 | 195.6<br>5.80 | -6.3<br>15.86 | 0.12<br>TWO | 1.404<br>18.134 | 103.3<br>276.1 | 0.947<br>82.1 | 17.600<br>38.9 | 332.6 | 522.8 | 0.933 | 34.268A | 0.65 | 0.219 | 161.2 | 170.9 | -49.7 | 0.253 |
| 43120.0 | 46200.0 | 0.515<br>11.09 | 212.3<br>5.83 | 30.9<br>16.92 | 14.02<br>TWO | 1.405<br>18.134 | 98.6<br>276.1 | 0.946<br>82.1 | 17.812<br>39.0 | 342.3 | 522.4 | 0.962 | 34.661A | -13.25 | 0.221 | 161.0 | 165.1 | -48.7 | 0.255 |
| 43130.0 | 46200.0 | 0.397<br>8.36 | 187.4<br>5.81 | -3.7<br>14.17 | -0.12<br>ONE | 1.406<br>18.134 | 93.8<br>276.1 | 0.945<br>82.1 | 17.956<br>38.3 | 352.3 | 522.2 | 0.980 | 34.932A | 0.89 | 0.222 | 160.9 | 170.8 | -50.3 | 0.253 |
| 43140.0 | 46200.0 | 0.391<br>8.23 | 181.0<br>5.82 | -0.7<br>14.05 | -0.06<br>ONE | 1.407<br>18.134 | 88.8<br>276.1 | 0.945<br>82.1 | 18.027<br>38.2 | 2.4 | 162.1 | 0.983D | 35.071A | 0.83 | 0.222 | 161.0 | 170.8 | -50.3 | 0.254 |
| 43150.0 | 46200.0 | 0.410<br>8.66 | 174.8<br>5.82 | 2.1<br>14.48 | -0.04<br>ONE | 1.407<br>18.134 | 83.8<br>276.1 | 0.946<br>82.1 | 18.023<br>38.3 | 12.7 | 162.2 | 0.972D | 35.075A | 0.81 | 0.222 | 161.1 | 170.8 | -50.3 | 0.254 |
| 43160.0 | 46200.0 | 0.452<br>9.62 | 170.2<br>5.83 | 4.1<br>15.44 | -0.03<br>ONE | 1.406<br>18.134 | 78.7<br>276.1 | 0.947<br>82.1 | 17.948<br>38.5 | 23.1 | 162.5 | 0.945D | 34.950A | 0.80 | 0.222 | 161.3 | 170.8 | -50.1 | 0.255 |
| 43170.0 | 46200.0 | 0.513<br>11.05 | 167.6<br>5.84 | 5.2<br>16.89 | -0.03<br>ONE | 1.405<br>18.134 | 73.6<br>276.1 | 0.949<br>82.1 | 17.807<br>38.8 | 33.8 | 163.0 | 0.904D | 34.710A | 0.79 | 0.221 | 161.6 | 170.9 | -49.8 | 0.255 |
| 43180.0 | 46200.0 | 0.587<br>12.88 | 167.1<br>5.85 | 5.5<br>18.72 | -0.02<br>ONE | 1.404<br>18.134 | 68.3<br>276.1 | 0.952<br>82.1 | 17.611<br>39.3 | 44.6 | 163.6 | 0.848D | 34.374A | 0.78 | 0.219 | 162.1 | 171.1 | -49.3 | 0.256 |
| ARRIVAL DATE = 2446300.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46300.0 | 0.594<br>13.05 | 195.4<br>5.65 | -6.4<br>18.70 | 0.07<br>TWO | 1.398<br>18.804 | 112.6<br>267.4 | 0.946<br>82.1 | 15.676<br>42.0 | 313.5 | 525.0 | 0.840 | 30.511A | 0.71 | 0.202 | 160.7 | 171.5 | -47.8 | 0.243 |
| 43100.0 | 46300.0 | 0.529<br>11.42 | 196.5<br>5.65 | -6.7<br>17.07 | 0.10<br>TWO | 1.400<br>18.804 | 108.0<br>267.4 | 0.944<br>82.1 | 15.926<br>41.3 | 322.9 | 524.4 | 0.891 | 30.962A | 0.68 | 0.205 | 160.3 | 171.3 | -48.4 | 0.243 |
| 43110.0 | 46300.0 | 0.470<br>10.03 | 195.9<br>5.65 | -6.2<br>15.69 | 0.19<br>TWO | 1.402<br>18.804 | 103.4<br>267.4 | 0.942<br>82.1 | 16.138<br>40.8 | 332.5 | 523.9 | 0.932 | 31.344A | 0.59 | 0.207 | 160.1 | 171.1 | -48.9 | 0.243 |
| 43120.0 | 46300.0 | 0.425<br>9.00 | 194.9<br>5.66 | -0.4<br>14.66 | 1.68<br>TWO | 1.403<br>18.804 | 98.6<br>267.4 | 0.941<br>82.1 | 16.303<br>40.4 | 342.2 | 523.5 | 0.962 | 31.644A | -0.91 | 0.208 | 159.9 | 170.3 | -49.2 | 0.243 |
| 43130.0 | 46300.0 | 0.395<br>8.33 | 187.4<br>5.66 | -4.1<br>13.99 | -0.24<br>ONE | 1.404<br>18.804 | 93.8<br>267.4 | 0.940<br>82.1 | 16.415<br>40.2 | 352.1 | 523.2 | 0.979 | 31.850A | 1.01 | 0.209 | 159.8 | 171.1 | -49.6 | 0.243 |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 46300.0 | 0.389 | 181.1 | -0.9 | -0.11 | 1.405 | 88.9 | 0.940 | 16.468 | 2.3 | 163.2 | 0.983D | 31.954A | 0.88 | 0.210 | 159.8 | 171.0 | -49.7 | 0.244 |
| | | 8.19 | 5.66 | 13.85 | ONE | 18.804 | 267.4 | 82.1 | 40.1 | | | | | | | | | | |
| 43150.0 | 46300.0 | 0.408 | 174.9 | 1.9 | -0.08 | 1.405 | 83.9 | 0.941 | 16.463 | 12.6 | 163.3 | 0.972D | 31.955A | 0.84 | 0.210 | 159.9 | 171.0 | -49.6 | 0.244 |
| | | 8.61 | 5.67 | 14.27 | ONE | 18.804 | 267.4 | 82.1 | 40.2 | | | | | | | | | | |
| 43160.0 | 46300.0 | 0.450 | 170.3 | 4.0 | -0.06 | 1.404 | 78.8 | 0.942 | 16.402 | 23.0 | 163.5 | 0.946D | 31.857A | 0.82 | 0.209 | 160.2 | 171.1 | -49.4 | 0.244 |
| | | 9.55 | 5.67 | 15.23 | ONE | 18.804 | 267.4 | 82.1 | 40.4 | | | | | | | | | | |
| 43170.0 | 46300.0 | 0.510 | 167.8 | 5.1 | -0.05 | 1.403 | 73.7 | 0.944 | 16.288 | 33.6 | 164.0 | 0.905D | 31.671A | 0.80 | 0.208 | 160.5 | 171.2 | -49.0 | 0.245 |
| | | 10.97 | 5.68 | 16.66 | ONE | 18.804 | 267.4 | 82.1 | 40.7 | | | | | | | | | | |
| 43180.0 | 46300.0 | 0.583 | 167.3 | 5.4 | -0.04 | 1.402 | 68.4 | 0.947 | 16.130 | 44.4 | 164.6 | 0.849D | 31.412A | 0.79 | 0.207 | 161.0 | 171.3 | -48.6 | 0.246 |
| | | 12.78 | 5.69 | 18.47 | ONE | 18.804 | 267.4 | 82.1 | 41.2 | | | | | | | | | | |
| ARRIVAL DATE = 2446400.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46400.0 | 0.594 | 195.7 | -6.5 | 0.10 | 1.397 | 112.7 | 0.943 | 14.660 | 313.2 | 526.0 | 0.839 | 28.482A | 0.69 | 0.191 | 159.5 | 171.8 | -47.0 | 0.234 |
| | | 13.05 | 5.52 | 18.57 | TWO | 20.076 | 259.0 | 82.0 | 44.0 | | | | | | | | | | |
| 43100.0 | 46400.0 | 0.528 | 196.8 | -6.8 | 0.14 | 1.399 | 108.1 | 0.940 | 14.865 | 322.7 | 525.4 | 0.890 | 28.840A | 0.64 | 0.193 | 159.2 | 171.5 | -47.7 | 0.234 |
| | | 11.41 | 5.52 | 16.93 | TWO | 20.076 | 259.0 | 82.0 | 43.3 | | | | | | | | | | |
| 43110.0 | 46400.0 | 0.470 | 196.2 | -6.1 | 0.24 | 1.400 | 103.4 | 0.938 | 15.038 | 332.3 | 524.9 | 0.932 | 29.143A | 0.53 | 0.195 | 158.9 | 171.3 | -48.2 | 0.234 |
| | | 10.02 | 5.52 | 15.54 | TWO | 20.076 | 259.0 | 82.0 | 42.8 | | | | | | | | | | |
| 43120.0 | 46400.0 | 0.424 | 194.6 | -1.8 | 1.24 | 1.402 | 98.7 | 0.937 | 15.171 | 342.0 | 524.5 | 0.962 | 29.380A | -0.47 | 0.197 | 158.7 | 170.8 | -48.5 | 0.234 |
| | | 8.96 | 5.52 | 14.48 | TWO | 20.076 | 259.0 | 82.0 | 42.4 | | | | | | | | | | |
| 43130.0 | 46400.0 | 0.394 | 187.4 | -4.7 | -0.40 | 1.403 | 93.9 | 0.936 | 15.261 | 352.0 | 524.3 | 0.979 | 29.542A | 1.16 | 0.198 | 158.6 | 171.4 | -48.9 | 0.234 |
| | | 8.30 | 5.52 | 13.82 | ONE | 20.076 | 259.0 | 82.0 | 42.1 | | | | | | | | | | |
| 43140.0 | 46400.0 | 0.387 | 181.3 | -1.3 | -0.17 | 1.403 | 89.0 | 0.936 | 15.303 | 2.1 | 164.2 | 0.983D | 29.624A | 0.94 | 0.198 | 158.7 | 171.3 | -48.9 | 0.234 |
| | | 8.15 | 5.53 | 13.68 | ONE | 20.076 | 259.0 | 82.0 | 42.0 | | | | | | | | | | |
| 43150.0 | 46400.0 | 0.405 | 175.1 | 1.7 | -0.11 | 1.403 | 84.0 | 0.936 | 15.298 | 12.4 | 164.3 | 0.972D | 29.624A | 0.87 | 0.198 | 158.8 | 171.3 | -48.9 | 0.235 |
| | | 8.56 | 5.53 | 14.09 | ONE | 20.076 | 259.0 | 82.0 | 42.1 | | | | | | | | | | |
| 43160.0 | 46400.0 | 0.447 | 170.5 | 3.8 | -0.09 | 1.403 | 79.0 | 0.938 | 15.246 | 22.8 | 164.5 | 0.946D | 29.546A | 0.84 | 0.198 | 159.0 | 171.3 | -48.7 | 0.235 |
| | | 9.49 | 5.54 | 15.03 | ONE | 20.076 | 259.0 | 82.0 | 42.3 | | | | | | | | | | |
| 43170.0 | 46400.0 | 0.507 | 168.0 | 5.0 | -0.07 | 1.402 | 73.8 | 0.940 | 15.152 | 33.4 | 165.0 | 0.906D | 29.397A | 0.82 | 0.197 | 159.3 | 171.4 | -48.3 | 0.236 |
| | | 10.90 | 5.55 | 16.44 | ONE | 20.076 | 259.0 | 82.0 | 42.7 | | | | | | | | | | |
| 43180.0 | 46400.0 | 0.579 | 167.4 | 5.2 | -0.06 | 1.401 | 68.6 | 0.943 | 15.021 | 44.1 | 165.5 | 0.851D | 29.190A | 0.80 | 0.195 | 159.8 | 171.6 | -47.8 | 0.236 |
| | | 12.68 | 5.56 | 18.24 | ONE | 20.076 | 259.0 | 82.0 | 43.2 | | | | | | | | | | |
| ARRIVAL DATE = 2446500.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46500.0 | 0.594 | 195.9 | -6.5 | 0.12 | 1.395 | 112.8 | 0.940 | 13.868 | 312.9 | 526.9 | 0.838 | 26.898A | 0.67 | 0.180 | 158.3 | 172.0 | -46.2 | 0.225 |
| | | 13.06 | 5.41 | 18.46 | TWO | 19.142 | 250.9 | 81.7 | 46.0 | | | | | | | | | | |
| 43100.0 | 46500.0 | 0.528 | 197.1 | -6.8 | 0.17 | 1.397 | 108.2 | 0.937 | 14.040 | 322.4 | 526.3 | 0.889 | 27.190A | 0.61 | 0.183 | 157.9 | 171.8 | -46.9 | 0.225 |
| | | 11.42 | 5.40 | 16.82 | TWO | 19.142 | 250.9 | 81.7 | 45.3 | | | | | | | | | | |
| 43110.0 | 46500.0 | 0.469 | 196.5 | -6.1 | 0.29 | 1.399 | 103.5 | 0.934 | 14.184 | 332.0 | 525.8 | 0.931 | 27.437A | 0.49 | 0.185 | 157.7 | 171.6 | -47.4 | 0.225 |
| | | 10.01 | 5.40 | 15.41 | TWO | 19.142 | 250.9 | 81.7 | 44.8 | | | | | | | | | | |
| 43120.0 | 46500.0 | 0.423 | 194.7 | -2.4 | 1.09 | 1.400 | 98.8 | 0.933 | 14.295 | 341.8 | 525.4 | 0.961 | 27.629A | -0.32 | 0.186 | 157.5 | 171.1 | -47.7 | 0.225 |
| | | 8.94 | 5.40 | 14.35 | TWO | 19.142 | 250.9 | 81.7 | 44.3 | | | | | | | | | | |
| 43130.0 | 46500.0 | 0.393 | 187.5 | -5.6 | -0.61 | 1.401 | 94.0 | 0.932 | 14.370 | 351.8 | 525.2 | 0.979 | 27.761A | 1.37 | 0.187 | 157.4 | 171.8 | -48.1 | 0.225 |
| | | 8.28 | 5.41 | 13.68 | ONE | 19.142 | 250.9 | 81.7 | 44.1 | | | | | | | | | | |
| 43140.0 | 46500.0 | 0.385 | 181.6 | -1.6 | -0.24 | 1.402 | 89.1 | 0.932 | 14.405 | 1.9 | 165.2 | 0.983D | 27.826A | 1.00 | 0.188 | 157.4 | 171.6 | -48.2 | 0.226 |
| | | 8.12 | 5.41 | 13.53 | ONE | 19.142 | 250.9 | 81.7 | 44.0 | | | | | | | | | | |
| 43150.0 | 46500.0 | 0.403 | 175.4 | 1.4 | -0.15 | 1.402 | 84.1 | 0.932 | 14.399 | 12.2 | 165.2 | 0.973D | 27.826A | 0.91 | 0.187 | 157.5 | 171.6 | -48.1 | 0.226 |
| | | 8.51 | 5.41 | 13.92 | ONE | 19.142 | 250.9 | 81.7 | 44.0 | | | | | | | | | | |
| 43160.0 | 46500.0 | 0.444 | 170.7 | 3.6 | -0.11 | 1.401 | 79.1 | 0.934 | 14.355 | 22.6 | 165.5 | 0.947D | 27.763A | 0.86 | 0.187 | 157.7 | 171.6 | -47.9 | 0.226 |
| | | 9.43 | 5.42 | 14.85 | ONE | 19.142 | 250.9 | 81.7 | 44.3 | | | | | | | | | | |
| 43170.0 | 46500.0 | 0.503 | 168.2 | 4.8 | -0.09 | 1.400 | 74.0 | 0.936 | 14.275 | 33.2 | 165.9 | 0.907D | 27.642A | 0.83 | 0.186 | 158.1 | 171.7 | -47.6 | 0.227 |
| | | 10.81 | 5.43 | 16.24 | ONE | 19.142 | 250.9 | 81.7 | 44.6 | | | | | | | | | | |
| 43180.0 | 46500.0 | 0.575 | 167.7 | 5.1 | -0.08 | 1.399 | 68.8 | 0.940 | 14.163 | 43.8 | 166.4 | 0.853D | 27.474A | 0.81 | 0.184 | 158.6 | 171.8 | -47.1 | 0.228 |
| | | 12.58 | 5.44 | 18.02 | ONE | 19.142 | 250.9 | 81.7 | 45.1 | | | | | | | | | | |
| ARRIVAL DATE = 2446600.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46600.0 | 0.595 | 196.2 | -6.6 | 0.15 | 1.394 | 112.9 | 0.937 | 13.236 | 312.6 | 527.7 | 0.836 | 25.637A | 0.65 | 0.170 | 157.0 | 172.2 | -45.3 | 0.218 |
| | | 13.08 | 5.30 | 18.39 | TWO | 18.131 | 243.6 | 81.2 | 48.0 | | | | | | | | | | |
| 43100.0 | 46600.0 | 0.529 | 197.4 | -6.8 | 0.20 | 1.396 | 108.3 | 0.934 | 13.384 | 322.1 | 527.2 | 0.888 | 25.879A | 0.59 | 0.173 | 156.6 | 172.0 | -46.0 | 0.218 |
| | | 11.43 | 5.30 | 16.73 | TWO | 18.131 | 243.6 | 81.2 | 47.3 | | | | | | | | | | |
| 43110.0 | 46600.0 | 0.470 | 196.9 | -6.2 | 0.33 | 1.398 | 103.6 | 0.931 | 13.507 | 331.7 | 526.7 | 0.930 | 26.084A | 0.45 | 0.175 | 156.3 | 171.8 | -46.6 | 0.218 |
| | | 10.02 | 5.30 | 15.31 | TWO | 18.131 | 243.6 | 81.2 | 46.8 | | | | | | | | | | |
| 43120.0 | 46600.0 | 0.423 | 195.0 | -2.8 | 1.01 | 1.399 | 98.9 | 0.929 | 13.602 | 341.5 | 526.4 | 0.961 | 26.243A | -0.24 | 0.176 | 156.2 | 171.4 | -46.9 | 0.218 |
| | | 8.94 | 5.30 | 14.24 | TWO | 18.131 | 243.6 | 81.2 | 46.4 | | | | | | | | | | |
| 43130.0 | 46600.0 | 0.392 | 187.5 | -6.7 | -0.91 | 1.400 | 94.1 | 0.928 | 13.665 | 351.5 | 526.2 | 0.979 | 26.352A | 1.67 | 0.177 | 156.1 | 172.2 | -47.3 | 0.218 |
| | | 8.27 | 5.30 | 13.57 | ONE | 18.131 | 243.6 | 81.2 | 46.1 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 46600.0 | 0.384 | 181.9 | -2.1 | -0.32 | 1.400 | 89.2 | 0.928 | 13.695 | 1.6 | 166.1 | 0.983D | 26.406A | 1.07 | 0.177 | 156.1 | 171.9 | -47.4 | 0.218 |
| | | 8.09 | 5.30 | 13.39 | ONE | 18.131 | 243.6 | 81.2 | 46.0 | | | | | | | | | | |
| 43150.0 | 46600.0 | 0.401 | 175.7 | 1.1 | -0.20 | 1.400 | 84.3 | 0.929 | 13.690 | 11.9 | 166.2 | 0.973D | 26.407A | 0.94 | 0.177 | 156.2 | 171.8 | -47.3 | 0.218 |
| | | 8.46 | 5.31 | 13.77 | ONE | 18.131 | 243.6 | 81.2 | 46.0 | | | | | | | | | | |
| 43160.0 | 46600.0 | 0.442 | 171.0 | 3.4 | -0.14 | 1.400 | 79.3 | 0.931 | 13.651 | 22.3 | 166.4 | 0.948D | 26.354A | 0.89 | 0.177 | 156.4 | 171.9 | -47.1 | 0.219 |
| | | 9.36 | 5.31 | 14.68 | ONE | 18.131 | 243.6 | 81.2 | 46.2 | | | | | | | | | | |
| 43170.0 | 46600.0 | 0.500 | 168.5 | 4.6 | -0.12 | 1.399 | 74.2 | 0.933 | 13.582 | 32.8 | 166.7 | 0.909D | 26.255A | 0.85 | 0.176 | 156.8 | 171.9 | -46.8 | 0.219 |
| | | 10.73 | 5.32 | 16.05 | ONE | 18.131 | 243.6 | 81.2 | 46.6 | | | | | | | | | | |
| 43180.0 | 46600.0 | 0.571 | 167.9 | 4.9 | -0.10 | 1.398 | 69.0 | 0.937 | 13.485 | 43.5 | 167.2 | 0.855D | 26.115A | 0.83 | 0.174 | 157.3 | 172.1 | -46.3 | 0.220 |
| | | 12.48 | 5.33 | 17.81 | ONE | 18.131 | 243.6 | 81.2 | 47.1 | | | | | | | | | | |
| ARRIVAL DATE = 2446700.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46700.0 | 0.597 | 196.6 | -6.6 | 0.17 | 1.393 | 113.0 | 0.934 | 12.724 | 312.2 | 528.5 | 0.834 | 24.615A | 0.63 | 0.161 | 155.6 | 172.5 | -44.5 | 0.211 |
| | | 13.12 | 5.21 | 18.33 | TWO | 19.383 | 237.1 | 80.6 | 50.1 | | | | | | | | | | |
| 43100.0 | 46700.0 | 0.530 | 197.7 | -6.9 | 0.23 | 1.395 | 108.4 | 0.931 | 12.853 | 321.8 | 528.0 | 0.886 | 24.819A | 0.56 | 0.163 | 155.2 | 172.3 | -45.2 | 0.211 |
| | | 11.45 | 5.21 | 16.66 | TWO | 19.383 | 237.1 | 80.6 | 49.4 | | | | | | | | | | |
| 43110.0 | 46700.0 | 0.470 | 197.3 | -6.2 | 0.36 | 1.396 | 103.7 | 0.928 | 12.960 | 331.4 | 527.6 | 0.929 | 24.992A | 0.42 | 0.165 | 155.0 | 172.0 | -45.7 | 0.211 |
| | | 10.03 | 5.21 | 15.24 | TWO | 19.383 | 237.1 | 80.6 | 48.8 | | | | | | | | | | |
| 43120.0 | 46700.0 | 0.423 | 195.4 | -3.1 | 0.97 | 1.398 | 99.0 | 0.926 | 13.043 | 341.2 | 527.2 | 0.960 | 25.126A | -0.19 | 0.166 | 154.8 | 171.6 | -46.1 | 0.211 |
| | | 8.94 | 5.20 | 14.14 | TWO | 19.383 | 237.1 | 80.6 | 48.4 | | | | | | | | | | |
| 43130.0 | 46700.0 | 0.392 | 187.3 | -8.5 | -1.38 | 1.359 | 94.2 | 0.925 | 13.098 | 351.2 | 527.0 | 0.978 | 25.218A | 2.14 | 0.167 | 154.7 | 172.7 | -46.5 | 0.211 |
| | | 8.27 | 5.20 | 13.47 | ONE | 19.383 | 237.1 | 80.6 | 48.1 | | | | | | | | | | |
| 43140.0 | 46700.0 | 0.383 | 182.2 | -2.6 | -0.41 | 1.399 | 89.4 | 0.925 | 13.124 | 1.3 | 167.0 | 0.983D | 25.264A | 1.16 | 0.168 | 154.7 | 172.2 | -46.6 | 0.211 |
| | | 8.06 | 5.21 | 13.27 | ONE | 19.383 | 237.1 | 80.6 | 48.0 | | | | | | | | | | |
| 43150.0 | 46700.0 | 0.399 | 176.1 | 0.8 | -0.24 | 1.399 | 84.4 | 0.926 | 13.119 | 11.6 | 167.0 | 0.974D | 25.264A | 0.99 | 0.168 | 154.8 | 172.1 | -46.5 | 0.211 |
| | | 8.42 | 5.21 | 13.63 | ONE | 19.383 | 237.1 | 80.6 | 48.0 | | | | | | | | | | |
| 43160.0 | 46700.0 | 0.439 | 171.4 | 3.1 | -0.18 | 1.399 | 79.4 | 0.927 | 13.085 | 22.0 | 167.2 | 0.949D | 25.221A | 0.91 | 0.167 | 155.0 | 172.1 | -46.3 | 0.211 |
| | | 9.30 | 5.22 | 14.52 | ONE | 19.383 | 237.1 | 80.6 | 48.2 | | | | | | | | | | |
| 43170.0 | 46700.0 | 0.496 | 168.8 | 4.4 | -0.14 | 1.398 | 74.4 | 0.930 | 13.024 | 32.5 | 167.6 | 0.910D | 25.138A | 0.87 | 0.166 | 155.4 | 172.2 | -45.9 | 0.212 |
| | | 10.65 | 5.23 | 15.87 | ONE | 19.383 | 237.1 | 80.6 | 48.6 | | | | | | | | | | |
| 43180.0 | 46700.0 | 0.567 | 168.3 | 4.7 | -0.12 | 1.397 | 69.2 | 0.934 | 12.939 | 43.1 | 168.0 | 0.858D | 25.021A | 0.84 | 0.165 | 155.9 | 172.3 | -45.4 | 0.213 |
| | | 12.37 | 5.24 | 17.61 | ONE | 19.383 | 237.1 | 80.6 | 49.1 | | | | | | | | | | |
| 43190.0 | 46700.0 | 0.647 | 169.3 | 4.4 | -0.11 | 1.395 | 64.0 | 0.938 | 12.835 | 53.8 | 168.6 | 0.792D | 24.878A | 0.81 | 0.163 | 156.6 | 172.4 | -44.8 | 0.214 |
| | | 14.40 | 5.26 | 19.65 | ONE | 19.383 | 237.1 | 80.6 | 49.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446800.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46800.0 | 0.599 | 196.9 | -6.7 | 0.19 | 1.392 | 113.2 | 0.932 | 12.304 | 311.8 | 529.3 | 0.832 | 23.776A | 0.61 | 0.152 | 154.2 | 172.7 | -43.6 | 0.205 |
| | | 13.16 | 5.13 | 18.30 | TWO | 20.100 | 231.4 | 80.0 | 52.2 | | | | | | | | | | |
| 43100.0 | 46800.0 | 0.531 | 198.1 | -7.0 | 0.25 | 1.394 | 108.6 | 0.929 | 12.418 | 321.4 | 528.8 | 0.884 | 23.951A | 0.54 | 0.154 | 153.8 | 172.5 | -44.3 | 0.205 |
| | | 11.49 | 5.13 | 16.62 | TWO | 20.100 | 231.4 | 80.0 | 51.5 | | | | | | | | | | |
| 43110.0 | 46800.0 | 0.471 | 197.8 | -6.3 | 0.39 | 1.395 | 103.9 | 0.926 | 12.513 | 331.1 | 528.4 | 0.927 | 24.098A | 0.39 | 0.156 | 153.5 | 172.3 | -44.9 | 0.204 |
| | | 10.05 | 5.12 | 15.18 | TWO | 20.100 | 231.4 | 80.0 | 50.9 | | | | | | | | | | |
| 43120.0 | 46800.0 | 0.423 | 195.8 | -3.5 | 0.93 | 1.397 | 99.2 | 0.924 | 12.586 | 340.9 | 528.1 | 0.959 | 24.213A | -0.16 | 0.158 | 153.3 | 171.9 | -45.2 | 0.204 |
| | | 8.95 | 5.12 | 14.07 | TWO | 20.100 | 231.4 | 80.0 | 50.4 | | | | | | | | | | |
| 43130.0 | 46800.0 | 0.394 | 186.6 | -11.4 | -2.22 | 1.398 | 94.4 | 0.923 | 12.634 | 350.9 | 527.9 | 0.978 | 24.291A | 2.98 | 0.159 | 153.2 | 173.4 | -45.7 | 0.204 |
| | | 8.30 | 5.12 | 13.42 | ONE | 20.100 | 231.4 | 80.0 | 50.2 | | | | | | | | | | |
| 43140.0 | 46800.0 | 0.382 | 182.6 | -3.2 | -0.51 | 1.398 | 89.5 | 0.922 | 12.657 | 1.0 | 167.8 | 0.983D | 24.331A | 1.26 | 0.159 | 153.2 | 172.5 | -45.7 | 0.204 |
| | | 8.04 | 5.12 | 13.16 | ONE | 20.100 | 231.4 | 80.0 | 50.0 | | | | | | | | | | |
| 43150.0 | 46800.0 | 0.397 | 176.6 | 0.4 | -0.29 | 1.398 | 84.6 | 0.923 | 12.653 | 11.2 | 167.8 | 0.974D | 24.332A | 1.03 | 0.159 | 153.3 | 172.4 | -45.7 | 0.204 |
| | | 8.38 | 5.13 | 13.50 | ONE | 20.100 | 231.4 | 80.0 | 50.1 | | | | | | | | | | |
| 43160.0 | 46800.0 | 0.436 | 171.8 | 2.8 | -0.21 | 1.398 | 79.6 | 0.925 | 12.623 | 21.6 | 168.0 | 0.951D | 24.296A | 0.94 | 0.158 | 153.5 | 172.4 | -45.5 | 0.205 |
| | | 9.24 | 5.13 | 14.37 | ONE | 20.100 | 231.4 | 80.0 | 50.3 | | | | | | | | | | |
| 43170.0 | 46800.0 | 0.493 | 169.2 | 4.1 | -0.17 | 1.397 | 74.6 | 0.927 | 12.569 | 32.1 | 168.4 | 0.912D | 24.226A | 0.89 | 0.157 | 153.9 | 172.4 | -45.1 | 0.206 |
| | | 10.56 | 5.14 | 15.70 | ONE | 20.100 | 231.4 | 80.0 | 50.6 | | | | | | | | | | |
| 43180.0 | 46800.0 | 0.563 | 168.6 | 4.5 | -0.14 | 1.396 | 69.5 | 0.931 | 12.493 | 42.7 | 168.8 | 0.860D | 24.127A | 0.85 | 0.156 | 154.4 | 172.5 | -44.6 | 0.207 |
| | | 12.27 | 5.15 | 17.42 | ONE | 20.100 | 231.4 | 80.0 | 51.1 | | | | | | | | | | |
| 43190.0 | 46800.0 | 0.642 | 169.6 | 4.2 | -0.13 | 1.394 | 64.3 | 0.936 | 12.400 | 53.4 | 169.3 | 0.795D | 24.005A | 0.82 | 0.154 | 155.1 | 172.7 | -44.0 | 0.208 |
| | | 14.27 | 5.17 | 19.44 | ONE | 20.100 | 231.4 | 80.0 | 51.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446900.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 46900.0 | 0.601 | 197.3 | -6.9 | 0.21 | 1.391 | 113.4 | 0.931 | 11.955 | 311.4 | 530.0 | 0.829 | 23.081A | 0.60 | 0.143 | 152.6 | 172.9 | -42.7 | 0.200 |
| | | 13.22 | 5.06 | 18.28 | TWO | 18.715 | 226.5 | 79.2 | 54.3 | | | | | | | | | | |
| 43100.0 | 46900.0 | 0.533 | 198.6 | -7.1 | 0.28 | 1.393 | 108.7 | 0.927 | 12.057 | 321.0 | 529.5 | 0.882 | 23.231A | 0.52 | 0.146 | 152.2 | 172.7 | -43.4 | 0.199 |
| | | 11.53 | 5.06 | 16.59 | TWO | 18.715 | 226.5 | 79.2 | 53.5 | | | | | | | | | | |
| 43110.0 | 46900.0 | 0.473 | 198.3 | -6.4 | 0.42 | 1.395 | 104.1 | 0.924 | 12.142 | 330.7 | 529.1 | 0.926 | 23.358A | 0.37 | 0.148 | 151.9 | 172.5 | -44.0 | 0.198 |
| | | 10.08 | 5.05 | 15.13 | TWO | 18.715 | 226.5 | 79.2 | 52.9 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 46900.0 | 0.424 | 196.3 | -3.7 | 0.91 | 1.396 | 99.3 | 0.922 | 12.207 | 340.5 | 528.8 | 0.958 | 23.457A | -0.14 | 0.149 | 151.7 | 172.1 | -44.4 | 0.198 |
| | | 8.96 | 5.05 | 14.01 | TWO | 18.715 | 226.5 | 79.2 | 52.5 | | | | | | | | | | |
| 43130.0 | 46900.0 | 0.400 | 184.6 | -17.7 | -4.11 | 1.397 | 94.6 | 0.920 | 12.251 | 350.5 | 528.7 | 0.977 | 23.525A | 4.87 | 0.150 | 151.6 | 174.6 | -44.9 | 0.198 |
| | | 8.44 | 5.05 | 13.49 | ONE | 18.715 | 226.5 | 79.2 | 52.3 | | | | | | | | | | |
| 43140.0 | 46900.0 | 0.381 | 183.0 | -3.8 | -0.63 | 1.397 | 89.7 | 0.920 | 12.271 | 0.6 | 168.6 | 0.983D | 23.560A | 1.38 | 0.151 | 151.6 | 172.8 | -44.9 | 0.198 |
| | | 8.02 | 5.05 | 13.07 | ONE | 18.715 | 226.5 | 79.2 | 52.1 | | | | | | | | | | |
| 43150.0 | 46900.0 | 0.395 | 177.1 | -0.1 | -0.35 | 1.397 | 84.8 | 0.921 | 12.268 | 10.8 | 168.6 | 0.975D | 23.561A | 1.08 | 0.151 | 151.7 | 172.6 | -44.8 | 0.198 |
| | | 8.33 | 5.05 | 13.38 | ONE | 18.715 | 226.5 | 79.2 | 52.1 | | | | | | | | | | |
| 43160.0 | 46900.0 | 0.433 | 172.3 | 2.5 | -0.25 | 1.397 | 79.8 | 0.922 | 12.241 | 21.2 | 168.8 | 0.952D | 23.531A | 0.97 | 0.150 | 152.0 | 172.6 | -44.6 | 0.199 |
| | | 9.17 | 5.06 | 14.23 | ONE | 18.715 | 226.5 | 79.2 | 52.3 | | | | | | | | | | |
| 43170.0 | 46900.0 | 0.489 | 169.6 | 3.9 | -0.20 | 1.396 | 74.8 | 0.925 | 12.193 | 31.7 | 169.1 | 0.914D | 23.471A | 0.91 | 0.149 | 152.3 | 172.7 | -44.3 | 0.200 |
| | | 10.47 | 5.07 | 15.54 | ONE | 18.715 | 226.5 | 79.2 | 52.7 | | | | | | | | | | |
| 43180.0 | 46900.0 | 0.558 | 169.0 | 4.3 | -0.17 | 1.395 | 69.7 | 0.929 | 12.125 | 42.2 | 169.5 | 0.863D | 23.387A | 0.86 | 0.147 | 152.9 | 172.8 | -43.8 | 0.201 |
| | | 12.16 | 5.08 | 17.24 | ONE | 18.715 | 226.5 | 79.2 | 53.2 | | | | | | | | | | |
| 43190.0 | 46900.0 | 0.637 | 170.0 | 4.0 | -0.15 | 1.393 | 64.5 | 0.934 | 12.041 | 52.9 | 170.0 | 0.799D | 23.283A | 0.83 | 0.145 | 153.6 | 172.9 | -43.1 | 0.202 |
| | | 14.14 | 5.10 | 19.24 | ONE | 18.715 | 226.5 | 79.2 | 53.8 | | | | | | | | | | |
| ARRIVAL DATE = 2447000.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 47000.0 | 0.603 | 197.7 | -7.0 | 0.23 | 1.390 | 113.6 | 0.929 | 11.663 | 310.9 | 530.7 | 0.826 | 22.499A | 0.58 | 0.135 | 151.0 | 173.2 | -41.7 | 0.195 |
| | | 13.29 | 5.00 | 18.29 | TWO | 18.391 | 222.3 | 78.4 | 56.4 | | | | | | | | | | |
| 43100.0 | 47000.0 | 0.535 | 199.0 | -7.3 | 0.30 | 1.392 | 108.9 | 0.925 | 11.755 | 320.5 | 530.3 | 0.880 | 22.629A | 0.50 | 0.138 | 150.6 | 173.0 | -42.5 | 0.194 |
| | | 11.59 | 4.99 | 16.58 | TWO | 18.391 | 222.3 | 78.4 | 55.6 | | | | | | | | | | |
| 43110.0 | 47000.0 | 0.474 | 198.8 | -6.6 | 0.44 | 1.394 | 104.3 | 0.922 | 11.832 | 330.2 | 529.9 | 0.924 | 22.740A | 0.35 | 0.140 | 150.3 | 172.7 | -43.1 | 0.193 |
| | | 10.12 | 4.98 | 15.11 | TWO | 18.391 | 222.3 | 78.4 | 55.0 | | | | | | | | | | |
| 43120.0 | 47000.0 | 0.425 | 196.9 | -4.0 | 0.89 | 1.395 | 99.5 | 0.920 | 11.891 | 340.1 | 529.6 | 0.957 | 22.826A | -0.12 | 0.141 | 150.1 | 172.4 | -43.5 | 0.193 |
| | | 8.99 | 4.98 | 13.97 | TWO | 18.391 | 222.3 | 78.4 | 54.6 | | | | | | | | | | |
| 43130.0 | 47000.0 | 0.468 | 173.0 | -41.2 | -12.45 | 1.396 | 94.7 | 0.918 | 11.931 | 350.1 | 529.4 | 0.977 | 22.885A | 13.21 | 0.142 | 150.0 | 179.0 | -44.2 | 0.195 |
| | | 9.98 | 5.01 | 14.99 | ONE | 18.391 | 222.3 | 78.4 | 54.7 | | | | | | | | | | |
| 43140.0 | 47000.0 | 0.380 | 183.5 | -4.6 | -0.78 | 1.396 | 89.9 | 0.918 | 11.950 | 0.2 | 169.3 | 0.983D | 22.916A | 1.53 | 0.143 | 150.0 | 173.1 | -44.0 | 0.193 |
| | | 8.01 | 4.98 | 12.99 | ONE | 18.391 | 222.3 | 78.4 | 54.1 | | | | | | | | | | |
| 43150.0 | 47000.0 | 0.393 | 177.6 | -0.5 | -0.41 | 1.397 | 85.0 | 0.918 | 11.947 | 10.4 | 169.4 | 0.976D | 22.918A | 1.14 | 0.143 | 150.1 | 172.9 | -44.0 | 0.193 |
| | | 8.29 | 4.98 | 13.27 | ONE | 18.391 | 222.3 | 78.4 | 54.2 | | | | | | | | | | |
| 43160.0 | 47000.0 | 0.430 | 172.8 | 2.1 | -0.28 | 1.396 | 80.1 | 0.920 | 11.923 | 20.8 | 169.5 | 0.953D | 22.893A | 1.00 | 0.142 | 150.3 | 172.9 | -43.8 | 0.194 |
| | | 9.11 | 4.99 | 14.10 | ONE | 18.391 | 222.3 | 78.4 | 54.4 | | | | | | | | | | |
| 43170.0 | 47000.0 | 0.485 | 170.1 | 3.6 | -0.22 | 1.395 | 75.0 | 0.923 | 11.879 | 31.2 | 169.8 | 0.916D | 22.842A | 0.93 | 0.141 | 150.7 | 172.9 | -43.4 | 0.194 |
| | | 10.39 | 5.00 | 15.38 | ONE | 18.391 | 222.3 | 78.4 | 54.7 | | | | | | | | | | |
| 43180.0 | 47000.0 | 0.554 | 169.4 | 4.1 | -0.19 | 1.394 | 70.0 | 0.927 | 11.818 | 41.7 | 170.2 | 0.866D | 22.770A | 0.88 | 0.140 | 151.2 | 173.0 | -42.9 | 0.195 |
| | | 12.05 | 5.01 | 17.06 | ONE | 18.391 | 222.3 | 78.4 | 55.2 | | | | | | | | | | |
| 43190.0 | 47000.0 | 0.632 | 170.3 | 3.8 | -0.17 | 1.393 | 64.8 | 0.932 | 11.741 | 52.3 | 170.7 | 0.802D | 22.680A | 0.84 | 0.138 | 151.9 | 173.1 | -42.3 | 0.197 |
| | | 14.01 | 5.03 | 19.04 | ONE | 18.391 | 222.3 | 78.4 | 55.8 | | | | | | | | | | |
| ARRIVAL DATE = 2447100.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 47100.0 | 0.606 | 198.1 | -7.1 | 0.25 | 1.390 | 113.8 | 0.928 | 11.416 | 310.4 | 531.4 | 0.823 | 22.009A | 0.57 | 0.128 | 149.2 | 173.4 | -40.8 | 0.190 |
| | | 13.36 | 4.95 | 18.31 | TWO | 19.901 | 218.6 | 77.5 | 58.5 | | | | | | | | | | |
| 43100.0 | 47100.0 | 0.538 | 199.5 | -7.4 | 0.32 | 1.392 | 109.2 | 0.924 | 11.501 | 320.0 | 531.0 | 0.878 | 22.123A | 0.48 | 0.131 | 148.8 | 173.2 | -41.6 | 0.189 |
| | | 11.65 | 4.94 | 16.58 | TWO | 19.901 | 218.6 | 77.5 | 57.7 | | | | | | | | | | |
| 43110.0 | 47100.0 | 0.476 | 199.3 | -6.8 | 0.46 | 1.393 | 104.5 | 0.920 | 11.571 | 329.8 | 530.6 | 0.922 | 22.220A | 0.33 | 0.133 | 148.5 | 173.0 | -42.2 | 0.188 |
| | | 10.17 | 4.93 | 15.10 | TWO | 19.901 | 218.6 | 77.5 | 57.1 | | | | | | | | | | |
| 43120.0 | 47100.0 | 0.426 | 197.5 | -4.3 | 0.88 | 1.394 | 99.7 | 0.918 | 11.626 | 339.6 | 530.3 | 0.956 | 22.296A | -0.11 | 0.134 | 148.3 | 172.6 | -42.6 | 0.188 |
| | | 9.01 | 4.92 | 13.94 | TWO | 19.901 | 218.6 | 77.5 | 56.7 | | | | | | | | | | |
| 43130.0 | 47100.0 | 0.541 | 219.2 | 41.6 | 18.09 | 1.395 | 95.0 | 0.916 | 11.662 | 349.6 | 530.1 | 0.976 | 22.348A | -17.33 | 0.135 | 148.2 | 164.5 | -40.9 | 0.192 |
| | | 11.73 | 4.97 | 16.70 | TWO | 19.901 | 218.6 | 77.5 | 57.1 | | | | | | | | | | |
| 43140.0 | 47100.0 | 0.380 | 183.9 | -5.6 | -0.97 | 1.396 | 90.1 | 0.916 | 11.679 | 359.7 | 530.1 | 0.983 | 22.375A | 1.71 | 0.136 | 148.2 | 173.4 | -43.1 | 0.188 |
| | | 7.99 | 4.92 | 12.92 | ONE | 19.901 | 218.6 | 77.5 | 56.2 | | | | | | | | | | |
| 43150.0 | 47100.0 | 0.392 | 178.2 | -1.1 | -0.48 | 1.396 | 85.2 | 0.916 | 11.677 | 10.0 | 170.1 | 0.976D | 22.378A | 1.21 | 0.135 | 148.3 | 173.2 | -43.1 | 0.188 |
| | | 8.25 | 4.92 | 13.18 | ONE | 19.901 | 218.6 | 77.5 | 56.2 | | | | | | | | | | |
| 43160.0 | 47100.0 | 0.427 | 173.4 | 1.7 | -0.33 | 1.395 | 80.3 | 0.918 | 11.656 | 20.3 | 170.2 | 0.954D | 22.357A | 1.04 | 0.135 | 148.6 | 173.1 | -42.9 | 0.189 |
| | | 9.04 | 4.93 | 13.97 | ONE | 19.901 | 218.6 | 77.5 | 56.4 | | | | | | | | | | |
| 43170.0 | 47100.0 | 0.482 | 170.6 | 3.3 | -0.25 | 1.395 | 75.3 | 0.921 | 11.616 | 30.7 | 170.5 | 0.918D | 22.313A | 0.95 | 0.134 | 148.9 | 173.2 | -42.6 | 0.189 |
| | | 10.30 | 4.94 | 15.24 | ONE | 19.901 | 218.6 | 77.5 | 56.8 | | | | | | | | | | |
| 43180.0 | 47100.0 | 0.549 | 169.8 | 3.8 | -0.21 | 1.393 | 70.2 | 0.925 | 11.560 | 41.2 | 170.8 | 0.869D | 22.251A | 0.89 | 0.132 | 149.4 | 173.3 | -42.1 | 0.191 |
| | | 11.94 | 4.95 | 16.89 | ONE | 19.901 | 218.6 | 77.5 | 57.2 | | | | | | | | | | |
| 43190.0 | 47100.0 | 0.626 | 170.7 | 3.6 | -0.19 | 1.392 | 65.1 | 0.930 | 11.490 | 51.8 | 171.3 | 0.806D | 22.173A | 0.85 | 0.130 | 150.1 | 173.4 | -41.5 | 0.192 |
| | | 13.88 | 4.97 | 18.85 | ONE | 19.901 | 218.6 | 77.5 | 57.9 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2447200.0 | | | | | | | | | | | |
| 43090.0 | 47200.0 | 0.610 | 198.5 | -7.2 | 0.27 | 1.389 | 114.0 | 0.927 | 11.208 | 309.9 | 532.1 | 0.820 | 21.595A | 0.56 | 0.121 | 147.4 | 173.6 | -39.9 | 0.186 |
| | | 13.45 | 4.90 | 18.34 | TWO | 19.882 | 215.4 | 76.6 | 60.6 | | | | | | | | | | |
| 43100.0 | 47200.0 | 0.541 | 200.0 | -7.5 | 0.34 | 1.391 | 109.4 | 0.922 | 11.285 | 319.5 | 531.6 | 0.875 | 21.696A | 0.47 | 0.124 | 147.0 | 173.4 | -40.6 | 0.185 |
| | | 11.72 | 4.89 | 16.60 | TWO | 19.882 | 215.4 | 76.6 | 59.8 | | | | | | | | | | |
| 43110.0 | 47200.0 | 0.479 | 199.9 | -6.9 | 0.48 | 1.393 | 104.7 | 0.919 | 11.350 | 329.3 | 531.3 | 0.920 | 21.780A | 0.31 | 0.126 | 146.7 | 173.2 | -41.2 | 0.184 |
| | | 10.22 | 4.88 | 15.10 | TWO | 19.882 | 215.4 | 76.6 | 59.2 | | | | | | | | | | |
| 43120.0 | 47200.0 | 0.428 | 198.1 | -4.6 | 0.87 | 1.394 | 100.0 | 0.916 | 11.401 | 339.2 | 531.0 | 0.954 | 21.847A | -0.10 | 0.127 | 146.5 | 172.9 | -41.7 | 0.184 |
| | | 9.05 | 4.87 | 13.92 | TWO | 19.882 | 215.4 | 76.6 | 58.7 | | | | | | | | | | |
| 43130.0 | 47200.0 | 0.412 | 201.0 | 13.9 | 6.12 | 1.395 | 95.2 | 0.915 | 11.435 | 349.2 | 530.8 | 0.976 | 21.894A | -5.36 | 0.128 | 146.4 | 170.1 | -41.5 | 0.184 |
| | | 8.70 | 4.87 | 13.57 | TWO | 19.882 | 215.4 | 76.6 | 58.5 | | | | | | | | | | |
| 43140.0 | 47200.0 | 0.379 | 184.3 | -6.7 | -1.20 | 1.395 | 90.3 | 0.914 | 11.451 | 359.3 | 530.7 | 0.983 | 21.918A | 1.94 | 0.129 | 146.4 | 173.8 | -42.3 | 0.183 |
| | | 7.99 | 4.87 | 12.86 | ONE | 19.882 | 215.4 | 76.6 | 58.3 | | | | | | | | | | |
| 43150.0 | 47200.0 | 0.390 | 178.8 | -1.6 | -0.96 | 1.395 | 85.5 | 0.915 | 11.449 | 9.5 | 170.8 | 0.977D | 21.921A | 1.28 | 0.129 | 146.5 | 173.5 | -42.2 | 0.184 |
| | | 8.21 | 4.87 | 13.09 | ONE | 19.882 | 215.4 | 76.6 | 58.3 | | | | | | | | | | |
| 43160.0 | 47200.0 | 0.424 | 174.0 | 1.3 | -0.37 | 1.395 | 80.5 | 0.916 | 11.430 | 19.8 | 170.9 | 0.956D | 21.903A | 1.07 | 0.128 | 146.7 | 173.4 | -42.0 | 0.184 |
| | | 8.98 | 4.88 | 13.85 | ONE | 19.882 | 215.4 | 76.6 | 58.5 | | | | | | | | | | |
| 43170.0 | 47200.0 | 0.478 | 171.1 | 3.0 | -0.28 | 1.394 | 75.5 | 0.919 | 11.393 | 30.2 | 171.1 | 0.921D | 21.866A | 0.97 | 0.127 | 147.1 | 173.4 | -41.7 | 0.185 |
| | | 10.21 | 4.89 | 15.09 | ONE | 19.882 | 215.4 | 76.6 | 58.8 | | | | | | | | | | |
| 43180.0 | 47200.0 | 0.545 | 170.3 | 3.6 | -0.24 | 1.393 | 70.5 | 0.923 | 11.342 | 40.7 | 171.5 | 0.872D | 21.812A | 0.91 | 0.125 | 147.6 | 173.5 | -41.2 | 0.186 |
| | | 11.82 | 4.90 | 16.72 | ONE | 19.882 | 215.4 | 76.6 | 59.3 | | | | | | | | | | |
| 43190.0 | 47200.0 | 0.621 | 171.1 | 3.4 | -0.21 | 1.391 | 65.4 | 0.928 | 11.278 | 51.2 | 171.9 | 0.810D | 21.745A | 0.86 | 0.123 | 148.2 | 173.6 | -40.6 | 0.188 |
| | | 13.74 | 4.92 | 18.66 | ONE | 19.882 | 215.4 | 76.6 | 59.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447300.0 | | | | | | | | | | | |
| 43090.0 | 47300.0 | 0.613 | 198.9 | -7.4 | 0.28 | 1.389 | 114.3 | 0.926 | 11.030 | 309.4 | 532.7 | 0.817 | 21.244A | 0.54 | 0.115 | 145.4 | 173.8 | -39.0 | 0.182 |
| | | 13.54 | 4.85 | 18.39 | TWO | 18.410 | 212.7 | 75.6 | 62.7 | | | | | | | | | | |
| 43100.0 | 47300.0 | 0.544 | 200.5 | -7.7 | 0.35 | 1.390 | 109.6 | 0.921 | 11.102 | 319.0 | 532.3 | 0.872 | 21.332A | 0.45 | 0.117 | 145.0 | 173.6 | -39.7 | 0.181 |
| | | 11.79 | 4.84 | 16.64 | TWO | 18.410 | 212.7 | 75.6 | 61.9 | | | | | | | | | | |
| 43110.0 | 47300.0 | 0.481 | 200.5 | -7.1 | 0.49 | 1.392 | 104.9 | 0.918 | 11.163 | 328.8 | 531.9 | 0.918 | 21.407A | 0.30 | 0.119 | 144.7 | 173.4 | -40.3 | 0.180 |
| | | 10.28 | 4.83 | 15.12 | TWO | 18.410 | 212.7 | 75.6 | 61.3 | | | | | | | | | | |
| 43120.0 | 47300.0 | 0.429 | 198.7 | -5.0 | 0.86 | 1.393 | 100.2 | 0.915 | 11.209 | 338.7 | 531.7 | 0.953 | 21.466A | -0.09 | 0.121 | 144.5 | 173.1 | -40.8 | 0.180 |
| | | 9.09 | 4.83 | 13.91 | TWO | 18.410 | 212.7 | 75.6 | 60.8 | | | | | | | | | | |
| 43130.0 | 47300.0 | 0.401 | 198.6 | 6.9 | 3.92 | 1.394 | 95.4 | 0.913 | 11.241 | 348.7 | 531.5 | 0.975 | 21.508A | -3.16 | 0.122 | 144.4 | 171.4 | -40.8 | 0.180 |
| | | 8.46 | 4.82 | 13.28 | TWO | 18.410 | 212.7 | 75.6 | 60.5 | | | | | | | | | | |
| 43140.0 | 47300.0 | 0.379 | 184.7 | -8.1 | -1.51 | 1.395 | 90.6 | 0.913 | 11.257 | 358.8 | 531.4 | 0.983 | 21.530A | 2.25 | 0.122 | 144.4 | 174.2 | -41.4 | 0.179 |
| | | 7.99 | 4.82 | 12.81 | ONE | 18.410 | 212.7 | 75.6 | 60.4 | | | | | | | | | | |
| 43150.0 | 47300.0 | 0.388 | 179.5 | -2.3 | -0.64 | 1.395 | 85.7 | 0.913 | 11.256 | 9.0 | 171.4 | 0.978D | 21.534A | 1.36 | 0.122 | 144.5 | 173.7 | -41.3 | 0.180 |
| | | 8.18 | 4.82 | 13.00 | ONE | 18.410 | 212.7 | 75.6 | 60.4 | | | | | | | | | | |
| 43160.0 | 47300.0 | 0.422 | 174.6 | 0.9 | -0.42 | 1.394 | 80.8 | 0.915 | 11.238 | 19.3 | 171.5 | 0.957D | 21.518A | 1.12 | 0.122 | 144.7 | 173.6 | -41.2 | 0.180 |
| | | 8.91 | 4.83 | 13.74 | ONE | 18.410 | 212.7 | 75.6 | 60.5 | | | | | | | | | | |
| 43170.0 | 47300.0 | 0.474 | 171.6 | 2.6 | -0.31 | 1.394 | 75.8 | 0.918 | 11.205 | 29.7 | 171.8 | 0.923D | 21.486A | 1.00 | 0.121 | 145.1 | 173.6 | -40.8 | 0.181 |
| | | 10.12 | 4.84 | 14.96 | ONE | 18.410 | 212.7 | 75.6 | 60.8 | | | | | | | | | | |
| 43180.0 | 47300.0 | 0.540 | 170.7 | 3.3 | -0.26 | 1.392 | 70.8 | 0.922 | 11.157 | 40.1 | 172.1 | 0.875D | 21.440A | 0.92 | 0.119 | 145.6 | 173.7 | -40.4 | 0.182 |
| | | 11.71 | 4.85 | 16.56 | ONE | 18.410 | 212.7 | 75.6 | 61.3 | | | | | | | | | | |
| 43190.0 | 47300.0 | 0.616 | 171.6 | 3.1 | -0.23 | 1.391 | 65.7 | 0.927 | 11.098 | 50.6 | 172.4 | 0.814D | 21.381A | 0.87 | 0.117 | 146.2 | 173.8 | -39.8 | 0.184 |
| | | 13.61 | 4.87 | 18.48 | ONE | 18.410 | 212.7 | 75.6 | 61.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447400.0 | | | | | | | | | | | |
| 43090.0 | 47400.0 | 0.617 | 199.4 | -7.5 | 0.30 | 1.388 | 114.5 | 0.925 | 10.879 | 308.8 | 533.2 | 0.813 | 20.945A | 0.53 | 0.108 | 143.3 | 174.0 | -38.1 | 0.179 |
| | | 13.63 | 4.82 | 18.45 | TWO | 18.861 | 210.2 | 74.6 | 64.8 | | | | | | | | | | |
| 43100.0 | 47400.0 | 0.547 | 201.0 | -7.9 | 0.37 | 1.390 | 109.9 | 0.921 | 10.946 | 318.5 | 532.9 | 0.869 | 21.023A | 0.44 | 0.111 | 142.9 | 173.8 | -38.8 | 0.178 |
| | | 11.88 | 4.80 | 16.68 | TWO | 18.861 | 210.2 | 74.6 | 64.0 | | | | | | | | | | |
| 43110.0 | 47400.0 | 0.484 | 201.1 | -7.4 | 0.51 | 1.392 | 105.2 | 0.917 | 11.003 | 328.2 | 532.5 | 0.916 | 21.089A | 0.28 | 0.113 | 142.6 | 173.6 | -39.4 | 0.177 |
| | | 10.35 | 4.79 | 15.14 | TWO | 18.861 | 210.2 | 74.6 | 63.4 | | | | | | | | | | |
| 43120.0 | 47400.0 | 0.431 | 199.4 | -5.3 | 0.85 | 1.393 | 100.4 | 0.914 | 11.047 | 338.1 | 532.3 | 0.951 | 21.142A | -0.08 | 0.115 | 142.4 | 173.3 | -39.9 | 0.176 |
| | | 9.13 | 4.79 | 13.92 | TWO | 18.861 | 210.2 | 74.6 | 62.9 | | | | | | | | | | |
| 43130.0 | 47400.0 | 0.399 | 198.1 | 3.7 | 3.00 | 1.394 | 95.7 | 0.912 | 11.076 | 348.1 | 532.1 | 0.974 | 21.179A | -2.25 | 0.116 | 142.3 | 172.1 | -40.0 | 0.176 |
| | | 8.41 | 4.78 | 13.19 | TWO | 18.861 | 210.2 | 74.6 | 62.6 | | | | | | | | | | |
| 43140.0 | 47400.0 | 0.380 | 184.9 | -9.9 | -1.93 | 1.394 | 90.8 | 0.911 | 11.091 | 358.2 | 532.0 | 0.983 | 21.199A | 2.66 | 0.116 | 142.3 | 174.6 | -40.5 | 0.176 |
| | | 8.00 | 4.78 | 12.78 | ONE | 18.861 | 210.2 | 74.6 | 62.4 | | | | | | | | | | |
| 43150.0 | 47400.0 | 0.387 | 180.2 | -3.0 | -0.74 | 1.394 | 86.0 | 0.912 | 11.091 | 8.4 | 172.1 | 0.978D | 21.203A | 1.45 | 0.116 | 142.4 | 174.0 | -40.5 | 0.176 |
| | | 8.15 | 4.78 | 12.93 | ONE | 18.861 | 210.2 | 74.6 | 62.4 | | | | | | | | | | |
| 43160.0 | 47400.0 | 0.419 | 175.3 | 0.4 | -0.47 | 1.394 | 81.1 | 0.913 | 11.075 | 18.7 | 172.2 | 0.959D | 21.191A | 1.16 | 0.116 | 142.6 | 173.9 | -40.3 | 0.176 |
| | | 8.85 | 4.79 | 13.64 | ONE | 18.861 | 210.2 | 74.6 | 62.6 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43170.0 | 47400.0 | 0.470 | 172.2 | 2.3 | -0.35 | 1.393 | 76.1 | 0.916 | 11.044 | 29.1 | 172.4 | 0.925D | 21.163A | 1.02 | 0.115 | 143.0 | 173.9 | -40.0 | 0.177 |
| | | 10.03 | 4.80 | 14.83 | ONE | 18.861 | 210.2 | 74.6 | 62.9 | | | | | | | | | | |
| 43180.0 | 47400.0 | 0.536 | 171.3 | 3.0 | -0.29 | 1.392 | 71.1 | 0.920 | 11.000 | 39.5 | 172.6 | 0.878D | 21.122A | 0.94 | 0.113 | 143.5 | 173.9 | -39.5 | 0.179 |
| | | 11.60 | 4.81 | 16.41 | ONE | 18.861 | 210.2 | 74.6 | 63.3 | | | | | | | | | | |
| 43190.0 | 47400.0 | 0.611 | 172.0 | 2.9 | -0.25 | 1.390 | 66.0 | 0.925 | 10.945 | 50.0 | 173.0 | 0.818D | 21.072A | 0.88 | 0.111 | 144.1 | 174.0 | -39.0 | 0.180 |
| | | 13.47 | 4.83 | 18.30 | ONE | 18.861 | 210.2 | 74.6 | 63.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447500.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 47500.0 | 0.621 | 199.9 | -7.7 | 0.31 | 1.388 | 114.8 | 0.925 | 10.750 | 308.2 | 533.8 | 0.809 | 20.691A | 0.52 | 0.103 | 141.0 | 174.2 | -37.2 | 0.176 |
| | | 13.74 | 4.78 | 18.53 | TWO | 20.244 | 208.1 | 73.6 | 66.8 | | | | | | | | | | |
| 43100.0 | 47500.0 | 0.551 | 201.5 | -8.1 | 0.38 | 1.390 | 110.1 | 0.920 | 10.813 | 317.9 | 533.4 | 0.866 | 20.760A | 0.43 | 0.105 | 140.7 | 174.0 | -37.9 | 0.175 |
| | | 11.97 | 4.77 | 16.74 | TWO | 20.244 | 208.1 | 73.6 | 66.1 | | | | | | | | | | |
| 43110.0 | 47500.0 | 0.487 | 201.7 | -7.6 | 0.52 | 1.391 | 105.4 | 0.916 | 10.866 | 327.7 | 533.1 | 0.913 | 20.819A | 0.27 | 0.108 | 140.4 | 173.8 | -38.5 | 0.174 |
| | | 10.42 | 4.76 | 15.18 | TWO | 20.244 | 208.1 | 73.6 | 65.4 | | | | | | | | | | |
| 43120.0 | 47500.0 | 0.434 | 200.1 | -5.6 | 0.85 | 1.392 | 100.7 | 0.913 | 10.907 | 337.6 | 532.9 | 0.949 | 20.865A | -0.08 | 0.109 | 140.2 | 173.5 | -39.0 | 0.173 |
| | | 9.18 | 4.75 | 13.93 | TWO | 20.244 | 208.1 | 73.6 | 65.0 | | | | | | | | | | |
| 43130.0 | 47500.0 | 0.398 | 198.2 | 1.7 | 2.49 | 1.393 | 95.9 | 0.911 | 10.936 | 347.6 | 532.7 | 0.973 | 20.899A | -1.74 | 0.110 | 140.1 | 172.6 | -39.2 | 0.173 |
| | | 8.40 | 4.75 | 13.14 | TWO | 20.244 | 208.1 | 73.6 | 64.6 | | | | | | | | | | |
| 43140.0 | 47500.0 | 0.381 | 184.9 | -12.3 | -2.54 | 1.394 | 91.1 | 0.910 | 10.950 | 357.7 | 532.6 | 0.983 | 20.917A | 3.27 | 0.111 | 140.1 | 175.2 | -39.7 | 0.173 |
| | | 8.03 | 4.75 | 12.78 | ONE | 20.244 | 208.1 | 73.6 | 64.5 | | | | | | | | | | |
| 43150.0 | 47500.0 | 0.385 | 180.9 | -3.7 | -0.85 | 1.394 | 86.2 | 0.911 | 10.950 | 7.9 | 172.7 | 0.979D | 20.921A | 1.56 | 0.111 | 140.2 | 174.3 | -39.6 | 0.173 |
| | | 8.11 | 4.75 | 12.86 | ONE | 20.244 | 208.1 | 73.6 | 64.4 | | | | | | | | | | |
| 43160.0 | 47500.0 | 0.416 | 176.0 | -0.1 | -0.52 | 1.393 | 81.3 | 0.912 | 10.935 | 18.2 | 172.7 | 0.960D | 20.911A | 1.21 | 0.110 | 140.4 | 174.1 | -39.5 | 0.173 |
| | | 8.79 | 4.75 | 13.54 | ONE | 20.244 | 208.1 | 73.6 | 64.6 | | | | | | | | | | |
| 43170.0 | 47500.0 | 0.466 | 172.8 | 1.9 | -0.38 | 1.393 | 76.4 | 0.915 | 10.907 | 28.5 | 172.9 | 0.928D | 20.887A | 1.05 | 0.109 | 140.8 | 174.1 | -39.1 | 0.174 |
| | | 9.94 | 4.76 | 14.70 | ONE | 20.244 | 208.1 | 73.6 | 64.9 | | | | | | | | | | |
| 43180.0 | 47500.0 | 0.531 | 171.8 | 2.7 | -0.31 | 1.391 | 71.4 | 0.919 | 10.867 | 38.9 | 173.2 | 0.881D | 20.852A | 0.96 | 0.108 | 141.2 | 174.1 | -38.7 | 0.175 |
| | | 11.48 | 4.77 | 16.26 | ONE | 20.244 | 208.1 | 73.6 | 65.3 | | | | | | | | | | |
| 43190.0 | 47500.0 | 0.605 | 172.5 | 2.6 | -0.27 | 1.390 | 66.4 | 0.924 | 10.815 | 49.4 | 173.5 | 0.822D | 20.808A | 0.89 | 0.105 | 141.9 | 174.2 | -38.2 | 0.177 |
| | | 13.33 | 4.79 | 18.13 | ONE | 20.244 | 208.1 | 73.6 | 65.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447600.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 47600.0 | 0.625 | 200.3 | -7.9 | 0.33 | 1.387 | 115.1 | 0.924 | 10.640 | 307.6 | 534.3 | 0.805 | 20.475A | 0.51 | 0.098 | 138.7 | 174.4 | -36.3 | 0.174 |
| | | 13.85 | 4.76 | 18.61 | TWO | 19.493 | 206.2 | 72.6 | 68.9 | | | | | | | | | | |
| 43100.0 | 47600.0 | 0.555 | 202.1 | -8.3 | 0.40 | 1.389 | 110.4 | 0.919 | 10.699 | 317.3 | 534.0 | 0.863 | 20.535A | 0.42 | 0.100 | 138.3 | 174.2 | -37.1 | 0.172 |
| | | 12.06 | 4.74 | 16.80 | TWO | 19.493 | 206.2 | 72.6 | 68.1 | | | | | | | | | | |
| 43110.0 | 47600.0 | 0.490 | 202.4 | -7.8 | 0.53 | 1.391 | 105.7 | 0.915 | 10.749 | 327.1 | 533.7 | 0.911 | 20.588A | 0.26 | 0.102 | 138.1 | 174.0 | -37.7 | 0.171 |
| | | 10.50 | 4.73 | 15.23 | TWO | 19.493 | 206.2 | 72.6 | 67.5 | | | | | | | | | | |
| 43120.0 | 47600.0 | 0.436 | 200.9 | -5.9 | 0.84 | 1.392 | 101.0 | 0.912 | 10.788 | 337.0 | 533.5 | 0.948 | 20.629A | -0.07 | 0.104 | 137.9 | 173.7 | -38.1 | 0.170 |
| | | 9.24 | 4.72 | 13.96 | TWO | 19.493 | 206.2 | 72.6 | 67.0 | | | | | | | | | | |
| 43130.0 | 47600.0 | 0.399 | 198.6 | 0.3 | 2.17 | 1.393 | 96.2 | 0.910 | 10.816 | 347.0 | 533.3 | 0.972 | 20.659A | -1.42 | 0.105 | 137.8 | 172.9 | -38.4 | 0.170 |
| | | 8.41 | 4.71 | 13.12 | TWO | 19.493 | 206.2 | 72.6 | 66.7 | | | | | | | | | | |
| 43140.0 | 47600.0 | 0.384 | 184.4 | -15.9 | -3.51 | 1.393 | 91.4 | 0.909 | 10.829 | 357.1 | 533.2 | 0.983 | 20.676A | 4.24 | 0.106 | 137.8 | 175.9 | -38.9 | 0.170 |
| | | 8.10 | 4.71 | 12.82 | ONE | 19.493 | 206.2 | 72.6 | 66.5 | | | | | | | | | | |
| 43150.0 | 47600.0 | 0.384 | 181.6 | -4.6 | -0.98 | 1.393 | 86.5 | 0.910 | 10.830 | 7.3 | 173.2 | 0.979D | 20.680A | 1.69 | 0.106 | 137.9 | 174.5 | -38.8 | 0.170 |
| | | 8.09 | 4.71 | 12.80 | ONE | 19.493 | 206.2 | 72.6 | 66.5 | | | | | | | | | | |
| 43160.0 | 47600.0 | 0.413 | 176.7 | -0.7 | -0.58 | 1.393 | 81.6 | 0.911 | 10.817 | 17.6 | 173.3 | 0.962D | 20.672A | 1.26 | 0.105 | 138.1 | 174.3 | -38.6 | 0.170 |
| | | 8.73 | 4.72 | 13.44 | ONE | 19.493 | 206.2 | 72.6 | 66.6 | | | | | | | | | | |
| 43170.0 | 47600.0 | 0.462 | 173.5 | 1.5 | -0.42 | 1.392 | 76.7 | 0.914 | 10.791 | 27.9 | 173.5 | 0.930D | 20.651A | 1.08 | 0.104 | 138.4 | 174.3 | -38.3 | 0.171 |
| | | 9.85 | 4.73 | 14.58 | ONE | 19.493 | 206.2 | 72.6 | 66.9 | | | | | | | | | | |
| 43180.0 | 47600.0 | 0.526 | 172.3 | 2.4 | -0.34 | 1.391 | 71.7 | 0.918 | 10.753 | 38.3 | 173.7 | 0.884D | 20.621A | 0.98 | 0.102 | 138.9 | 174.3 | -37.9 | 0.172 |
| | | 11.37 | 4.74 | 16.11 | ONE | 19.493 | 206.2 | 72.6 | 67.3 | | | | | | | | | | |
| 43190.0 | 47600.0 | 0.600 | 173.0 | 2.4 | -0.29 | 1.390 | 66.7 | 0.923 | 10.704 | 48.7 | 174.0 | 0.827D | 20.582A | 0.90 | 0.100 | 139.5 | 174.4 | -37.4 | 0.174 |
| | | 13.20 | 4.76 | 17.96 | ONE | 19.493 | 206.2 | 72.6 | 67.8 | | | | | | | | | | |
| ARRIVAL DATE = 2447700.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 47700.0 | 0.630 | 200.8 | -8.0 | 0.34 | 1.387 | 115.4 | 0.924 | 10.546 | 306.9 | 534.9 | 0.801 | 20.291A | 0.50 | 0.093 | 136.1 | 174.6 | -35.5 | 0.171 |
| | | 13.97 | 4.73 | 18.70 | TWO | 18.327 | 204.6 | 71.6 | 70.9 | | | | | | | | | | |
| 43100.0 | 47700.0 | 0.559 | 202.6 | -8.5 | 0.41 | 1.389 | 110.7 | 0.919 | 10.602 | 316.7 | 534.5 | 0.859 | 20.345A | 0.40 | 0.095 | 135.8 | 174.4 | -36.2 | 0.170 |
| | | 12.17 | 4.72 | 16.88 | TWO | 18.327 | 204.6 | 71.6 | 70.1 | | | | | | | | | | |
| 43110.0 | 47700.0 | 0.494 | 203.0 | -8.0 | 0.54 | 1.390 | 106.0 | 0.915 | 10.650 | 326.5 | 534.2 | 0.908 | 20.391A | 0.25 | 0.097 | 135.6 | 174.2 | -36.8 | 0.169 |
| | | 10.58 | 4.70 | 15.28 | TWO | 18.327 | 204.6 | 71.6 | 69.5 | | | | | | | | | | |
| 43120.0 | 47700.0 | 0.439 | 201.6 | -6.3 | 0.84 | 1.392 | 101.2 | 0.912 | 10.687 | 336.4 | 534.0 | 0.946 | 20.428A | -0.07 | 0.099 | 135.5 | 173.9 | -37.3 | 0.168 |
| | | 9.30 | 4.69 | 13.99 | TWO | 18.327 | 204.6 | 71.6 | 69.0 | | | | | | | | | | |
| 43130.0 | 47700.0 | 0.400 | 199.2 | -0.8 | 1.95 | 1.393 | 96.5 | 0.909 | 10.713 | 346.4 | 533.9 | 0.971 | 20.455A | -1.20 | 0.100 | 135.4 | 173.2 | -37.5 | 0.167 |
| | | 8.43 | 4.69 | 13.12 | TWO | 18.327 | 204.6 | 71.6 | 68.7 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 47700.0 | 0.393 | 182.7 | -22.0 | -5.29 | 1.393 | 91.7 | 0.908 | 10.726 | 356.5 | 533.8 | 0.983 | 20.470A | 6.02 | 0.101 | 135.4 | 177.0 | -38.2 | 0.168 |
| | | 8.29 | 4.69 | 12.98 | ONE | 18.327 | 204.6 | 71.6 | 68.5 | | | | | | | | | | |
| 43150.0 | 47700.0 | 0.383 | 182.3 | -5.5 | -1.13 | 1.393 | 86.8 | 0.909 | 10.727 | 6.7 | 173.8 | 0.980D | 20.475A | 1.83 | 0.101 | 135.5 | 174.8 | -38.0 | 0.167 |
| | | 8.06 | 4.69 | 12.75 | ONE | 18.327 | 204.6 | 71.6 | 68.4 | | | | | | | | | | |
| 43160.0 | 47700.0 | 0.410 | 177.4 | -1.3 | -0.64 | 1.393 | 81.9 | 0.910 | 10.715 | 17.0 | 173.9 | 0.963D | 20.468A | 1.32 | 0.100 | 135.7 | 174.5 | -37.8 | 0.168 |
| | | 8.66 | 4.69 | 13.36 | ONE | 18.327 | 204.6 | 71.6 | 68.6 | | | | | | | | | | |
| 43170.0 | 47700.0 | 0.459 | 174.2 | 1.0 | -0.46 | 1.392 | 77.0 | 0.913 | 10.691 | 27.3 | 174.0 | 0.932D | 20.450A | 1.12 | 0.099 | 136.0 | 174.5 | -37.5 | 0.169 |
| | | 9.76 | 4.70 | 14.46 | ONE | 18.327 | 204.6 | 71.6 | 68.8 | | | | | | | | | | |
| 43180.0 | 47700.0 | 0.521 | 172.9 | 2.0 | -0.37 | 1.391 | 72.0 | 0.917 | 10.656 | 37.7 | 174.2 | 0.888D | 20.424A | 1.00 | 0.098 | 136.4 | 174.5 | -37.1 | 0.170 |
| | | 11.25 | 4.71 | 15.96 | ONE | 18.327 | 204.6 | 71.6 | 69.2 | | | | | | | | | | |
| 43190.0 | 47700.0 | 0.594 | 173.5 | 2.1 | -0.31 | 1.389 | 67.0 | 0.922 | 10.611 | 48.1 | 174.5 | 0.831D | 20.390A | 0.92 | 0.096 | 136.9 | 174.5 | -36.6 | 0.171 |
| | | 13.06 | 4.73 | 17.79 | ONE | 18.327 | 204.6 | 71.6 | 69.7 | | | | | | | | | | |
| ARRIVAL DATE = 2447800.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 47800.0 | 0.635 | 201.3 | -8.2 | 0.35 | 1.387 | 115.7 | 0.924 | 10.466 | 306.3 | 535.3 | 0.796 | 20.135A | 0.49 | 0.088 | 133.4 | 174.7 | -34.7 | 0.170 |
| | | 14.10 | 4.71 | 18.81 | TWO | 19.436 | 203.1 | 70.5 | 72.8 | | | | | | | | | | |
| 43100.0 | 47800.0 | 0.563 | 203.2 | -8.7 | 0.43 | 1.389 | 111.0 | 0.919 | 10.519 | 316.0 | 535.0 | 0.856 | 20.183A | 0.39 | 0.091 | 133.2 | 174.5 | -35.4 | 0.168 |
| | | 12.27 | 4.69 | 16.97 | TWO | 19.436 | 203.1 | 70.5 | 72.1 | | | | | | | | | | |
| 43110.0 | 47800.0 | 0.497 | 203.7 | -8.3 | 0.55 | 1.390 | 106.3 | 0.914 | 10.565 | 325.8 | 534.8 | 0.905 | 20.224A | 0.24 | 0.093 | 133.0 | 174.3 | -36.0 | 0.167 |
| | | 10.67 | 4.68 | 15.35 | TWO | 19.436 | 203.1 | 70.5 | 71.5 | | | | | | | | | | |
| 43120.0 | 47800.0 | 0.441 | 202.4 | -6.6 | 0.83 | 1.391 | 101.5 | 0.911 | 10.600 | 335.8 | 534.5 | 0.944 | 20.257A | -0.06 | 0.095 | 132.9 | 174.1 | -36.5 | 0.166 |
| | | 9.36 | 4.67 | 14.03 | TWO | 19.436 | 203.1 | 70.5 | 71.0 | | | | | | | | | | |
| 43130.0 | 47800.0 | 0.401 | 199.9 | -1.7 | 1.79 | 1.392 | 96.8 | 0.909 | 10.625 | 345.8 | 534.4 | 0.970 | 20.281A | -1.04 | 0.096 | 132.8 | 173.5 | -36.7 | 0.165 |
| | | 8.46 | 4.66 | 13.13 | TWO | 19.436 | 203.1 | 70.5 | 70.6 | | | | | | | | | | |
| 43140.0 | 47800.0 | 0.427 | 176.9 | -35.0 | -9.61 | 1.393 | 91.9 | 0.908 | 10.639 | 355.9 | 534.3 | 0.982 | 20.295A | 10.33 | 0.096 | 132.9 | 179.5 | -37.5 | 0.166 |
| | | 9.04 | 4.68 | 13.72 | ONE | 19.436 | 203.1 | 70.5 | 70.6 | | | | | | | | | | |
| 43150.0 | 47800.0 | 0.382 | 183.0 | -6.5 | -1.31 | 1.393 | 87.1 | 0.908 | 10.640 | 6.1 | 174.3 | 0.981D | 20.299A | 2.01 | 0.097 | 132.9 | 175.1 | -37.2 | 0.165 |
| | | 8.04 | 4.66 | 12.70 | ONE | 19.436 | 203.1 | 70.5 | 70.4 | | | | | | | | | | |
| 43160.0 | 47800.0 | 0.408 | 178.2 | -1.9 | -0.72 | 1.392 | 82.2 | 0.909 | 10.629 | 16.3 | 174.4 | 0.965D | 20.294A | 1.39 | 0.096 | 133.1 | 174.8 | -37.0 | 0.165 |
| | | 8.61 | 4.67 | 13.27 | ONE | 19.436 | 203.1 | 70.5 | 70.5 | | | | | | | | | | |
| 43170.0 | 47800.0 | 0.455 | 174.9 | 0.6 | -0.50 | 1.392 | 77.3 | 0.912 | 10.607 | 26.7 | 174.5 | 0.935D | 20.279A | 1.15 | 0.095 | 133.4 | 174.7 | -36.8 | 0.166 |
| | | 9.67 | 4.68 | 14.34 | ONE | 19.436 | 203.1 | 70.5 | 70.8 | | | | | | | | | | |
| 43180.0 | 47800.0 | 0.517 | 173.5 | 1.7 | -0.40 | 1.391 | 72.3 | 0.916 | 10.574 | 37.0 | 174.7 | 0.891D | 20.256A | 1.02 | 0.093 | 133.7 | 174.7 | -36.4 | 0.167 |
| | | 11.13 | 4.69 | 15.82 | ONE | 19.436 | 203.1 | 70.5 | 71.1 | | | | | | | | | | |
| 43190.0 | 47800.0 | 0.589 | 174.0 | 1.8 | -0.34 | 1.389 | 67.3 | 0.921 | 10.531 | 47.4 | 175.0 | 0.835D | 20.227A | 0.93 | 0.091 | 134.3 | 174.7 | -35.9 | 0.169 |
| | | 12.92 | 4.71 | 17.63 | ONE | 19.436 | 203.1 | 70.5 | 71.6 | | | | | | | | | | |
| ARRIVAL DATE = 2448000.0 | | | | | | | | | | | | | | | | | | | |
| 43090.0 | 48000.0 | 0.645 | 202.3 | -8.6 | 0.38 | 1.386 | 116.4 | 0.924 | 10.341 | 304.9 | 536.3 | 0.787 | 19.895A | 0.48 | 0.080 | 127.6 | 175.0 | -33.2 | 0.167 |
| | | 14.36 | 4.68 | 19.04 | TWO | 19.053 | 200.5 | 68.4 | 76.7 | | | | | | | | | | |
| 43100.0 | 48000.0 | 0.572 | 204.4 | -9.1 | 0.45 | 1.388 | 111.6 | 0.918 | 10.390 | 314.7 | 536.0 | 0.848 | 19.932A | 0.38 | 0.083 | 127.5 | 174.9 | -33.9 | 0.165 |
| | | 12.51 | 4.66 | 17.17 | TWO | 19.053 | 200.5 | 68.4 | 75.9 | | | | | | | | | | |
| 43110.0 | 48000.0 | 0.505 | 205.1 | -8.8 | 0.57 | 1.390 | 106.9 | 0.914 | 10.431 | 324.5 | 535.7 | 0.899 | 19.964A | 0.22 | 0.085 | 127.4 | 174.7 | -34.5 | 0.163 |
| | | 10.86 | 4.64 | 15.51 | TWO | 19.053 | 200.5 | 68.4 | 75.3 | | | | | | | | | | |
| 43120.0 | 48000.0 | 0.448 | 204.0 | -7.3 | 0.83 | 1.391 | 102.1 | 0.910 | 10.464 | 334.5 | 535.6 | 0.939 | 19.990A | -0.06 | 0.087 | 127.4 | 174.4 | -34.9 | 0.162 |
| | | 9.51 | 4.63 | 14.14 | TWO | 19.053 | 200.5 | 68.4 | 74.9 | | | | | | | | | | |
| 43130.0 | 48000.0 | 0.405 | 201.4 | -3.2 | 1.57 | 1.392 | 97.4 | 0.908 | 10.488 | 344.5 | 535.4 | 0.967 | 20.009A | -0.83 | 0.088 | 127.4 | 174.0 | -35.2 | 0.161 |
| | | 8.54 | 4.62 | 13.17 | TWO | 19.053 | 200.5 | 68.4 | 74.5 | | | | | | | | | | |
| 43140.0 | 48000.0 | 0.600 | 228.3 | 49.3 | 22.55 | 1.392 | 92.6 | 0.907 | 10.501 | 354.6 | 535.3 | 0.981 | 20.021A | -21.84 | 0.089 | 127.4 | 163.9 | -33.0 | 0.168 |
| | | 13.20 | 4.69 | 17.90 | TWO | 19.053 | 200.5 | 68.4 | 75.0 | | | | | | | | | | |
| 43150.0 | 48000.0 | 0.380 | 184.3 | -9.1 | -1.80 | 1.392 | 87.7 | 0.907 | 10.503 | 4.8 | 175.3 | 0.982D | 20.025A | 2.49 | 0.089 | 127.5 | 175.7 | -35.7 | 0.161 |
| | | 8.01 | 4.62 | 12.63 | ONE | 19.053 | 200.5 | 68.4 | 74.3 | | | | | | | | | | |
| 43160.0 | 48000.0 | 0.403 | 179.8 | -3.2 | -0.88 | 1.392 | 82.8 | 0.908 | 10.494 | 15.0 | 175.4 | 0.968D | 20.021A | 1.54 | 0.088 | 127.6 | 175.2 | -35.5 | 0.162 |
| | | 8.49 | 4.63 | 13.12 | ONE | 19.053 | 200.5 | 68.4 | 74.3 | | | | | | | | | | |
| 43170.0 | 48000.0 | 0.447 | 176.3 | -0.4 | -0.60 | 1.391 | 77.9 | 0.910 | 10.475 | 25.3 | 175.5 | 0.940D | 20.011A | 1.23 | 0.087 | 127.8 | 175.0 | -35.3 | 0.162 |
| | | 9.49 | 4.63 | 14.12 | ONE | 19.053 | 200.5 | 68.4 | 74.5 | | | | | | | | | | |
| 43180.0 | 48000.0 | 0.507 | 174.8 | 0.9 | -0.46 | 1.390 | 73.0 | 0.914 | 10.446 | 35.6 | 175.6 | 0.898D | 19.994A | 1.07 | 0.086 | 128.1 | 175.0 | -35.0 | 0.164 |
| | | 10.90 | 4.65 | 15.55 | ONE | 19.053 | 200.5 | 68.4 | 74.9 | | | | | | | | | | |
| 43190.0 | 48000.0 | 0.578 | 175.1 | 1.2 | -0.39 | 1.389 | 68.0 | 0.919 | 10.408 | 46.0 | 175.9 | 0.844D | 19.972A | 0.96 | 0.084 | 128.5 | 175.0 | -34.5 | 0.165 |
| | | 12.64 | 4.67 | 17.31 | ONE | 19.053 | 200.5 | 68.4 | 75.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448200.0 | | | | | | | | | | | | | | | | | | | |
| 43100.0 | 48200.0 | 0.582 | 205.6 | -9.5 | 0.47 | 1.388 | 112.3 | 0.918 | 10.299 | 313.3 | 536.9 | 0.840 | 19.759A | 0.36 | 0.076 | 121.2 | 175.1 | -32.5 | 0.162 |
| | | 12.76 | 4.64 | 17.39 | TWO | 19.986 | 198.4 | 66.3 | 79.6 | | | | | | | | | | |
| 43110.0 | 48200.0 | 0.514 | 206.5 | -9.3 | 0.59 | 1.389 | 107.6 | 0.914 | 10.338 | 323.2 | 536.7 | 0.892 | 19.783A | 0.21 | 0.079 | 121.2 | 174.9 | -33.1 | 0.161 |
| | | 11.07 | 4.62 | 15.69 | TWO | 19.986 | 198.4 | 66.3 | 79.0 | | | | | | | | | | |

1976
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 48200.0 | 0.455<br>9.67 | 205.7<br>4.60 | -8.0<br>14.27 | 3.82<br>TWO | 1.391<br>19.986 | 102.8<br>198.4 | 0.910<br>66.3 | 10.369<br>78.6 | 333.1 | 536.5 | 0.934 | 19.803A | -0.05 | 0.080 | 121.3 | 174.7 | -33.5 | 0.160 |
| 43130.0 | 48200.0 | 0.409<br>8.64 | 203.1<br>4.60 | -4.5<br>13.24 | 1.42<br>TWO | 1.392<br>19.986 | 98.0<br>198.4 | 0.907<br>66.3 | 10.391<br>78.2 | 343.2 | 536.3 | 0.964 | 19.818A | -0.68 | 0.082 | 121.4 | 174.3 | -33.8 | 0.159 |
| 43140.0 | 48200.0 | 0.402<br>8.47 | 204.5<br>4.60 | 13.4<br>13.07 | 6.18<br>TWO | 1.392<br>19.986 | 93.2<br>198.4 | 0.906<br>66.3 | 10.404<br>78.0 | 353.3 | 536.3 | 0.980 | 19.828A | -5.47 | 0.082 | 121.5 | 171.8 | -33.6 | 0.159 |
| 43150.0 | 48200.0 | 0.380<br>8.02 | 185.3<br>4.59 | -12.7<br>12.61 | -2.59<br>ONE | 1.392<br>19.986 | 88.4<br>198.4 | 0.906<br>66.3 | 10.407<br>78.0 | 3.4 | 176.3 | 0.982D | 19.831A | 3.28 | 0.083 | 121.6 | 176.4 | -34.3 | 0.158 |
| 43160.0 | 48200.0 | 0.398<br>8.39 | 181.5<br>4.60 | -4.8<br>12.99 | -1.09<br>ONE | 1.392<br>19.986 | 83.5<br>198.4 | 0.907<br>66.3 | 10.400<br>78.0 | 13.7 | 176.3 | 0.970D | 19.829A | 1.74 | 0.082 | 121.7 | 175.5 | -34.2 | 0.159 |
| 43170.0 | 48200.0 | 0.439<br>9.32 | 177.9<br>4.60 | -1.5<br>13.92 | -0.70<br>ONE | 1.391<br>19.986 | 78.6<br>198.4 | 0.909<br>66.3 | 10.383<br>78.2 | 23.9 | 176.4 | 0.944D | 19.822A | 1.32 | 0.081 | 121.8 | 175.3 | -34.0 | 0.159 |
| 43180.0 | 48200.0 | 0.497<br>10.67 | 176.1<br>4.62 | 0.1<br>15.29 | -0.53<br>ONE | 1.390<br>19.986 | 73.7<br>198.4 | 0.913<br>66.3 | 10.357<br>78.5 | 34.2 | 176.5 | 0.905D | 19.810A | 1.12 | 0.080 | 122.0 | 175.3 | -33.7 | 0.161 |
| 43190.0 | 48200.0 | 0.567<br>12.36 | 176.2<br>4.63 | 0.5<br>17.00 | -0.44<br>ONE | 1.388<br>19.986 | 68.8<br>198.4 | 0.917<br>66.3 | 10.323<br>78.9 | 44.5 | 176.7 | 0.852D | 19.794A | 1.00 | 0.078 | 122.3 | 175.3 | -33.3 | 0.162 |
| 43200.0 | 48200.0 | 0.643<br>14.31 | 177.8<br>4.66 | 0.1<br>18.96 | -0.38<br>ONE | 1.387<br>19.986 | 63.8<br>198.4 | 0.923<br>66.3 | 10.282<br>79.4 | 54.8 | 176.9 | 0.789D | 19.776A | 0.91 | 0.075 | 122.6 | 175.3 | -32.8 | 0.165 |
| ARRIVAL DATE = 2448400.0 | | | | | | | | | | | | | | | | | | | |
| 43100.0 | 48400.0 | 0.593<br>13.03 | 206.8<br>4.62 | -9.9<br>17.65 | 0.49<br>TWO | 1.388<br>18.697 | 113.0<br>196.6 | 0.919<br>64.1 | 10.239<br>83.1 | 311.8 | 537.7 | 0.831 | 19.647A | 0.35 | 0.071 | 114.4 | 175.3 | -31.3 | 0.161 |
| 43110.0 | 48400.0 | 0.524<br>11.30 | 207.9<br>4.60 | -9.9<br>15.91 | 0.60<br>TWO | 1.389<br>18.697 | 108.2<br>196.6 | 0.914<br>64.1 | 10.275<br>82.6 | 321.7 | 537.5 | 0.885 | 19.665A | 0.20 | 0.074 | 114.7 | 175.2 | -31.8 | 0.159 |
| 43120.0 | 48400.0 | 0.463<br>9.85 | 207.3<br>4.59 | -8.7<br>14.44 | 0.81<br>TWO | 1.390<br>18.697 | 103.5<br>196.6 | 0.910<br>64.1 | 10.304<br>82.1 | 331.7 | 537.3 | 0.929 | 19.680A | -0.05 | 0.075 | 114.9 | 175.0 | -32.3 | 0.158 |
| 43130.0 | 48400.0 | 0.415<br>8.76 | 205.0<br>4.58 | -5.7<br>13.33 | 1.32<br>TWO | 1.391<br>18.697 | 98.7<br>196.6 | 0.907<br>64.1 | 10.326<br>81.8 | 341.7 | 537.2 | 0.960 | 19.691A | -0.59 | 0.077 | 115.1 | 174.6 | -32.6 | 0.157 |
| 43140.0 | 48400.0 | 0.391<br>8.25 | 203.3<br>4.57 | 5.0<br>12.82 | 3.82<br>TWO | 1.392<br>18.697 | 93.9<br>196.6 | 0.905<br>64.1 | 10.339<br>81.6 | 351.9 | 537.1 | 0.979 | 19.698A | -3.12 | 0.078 | 115.2 | 173.2 | -32.6 | 0.156 |
| 43150.0 | 48400.0 | 0.385<br>8.11 | 185.3<br>4.57 | -18.7<br>12.69 | -4.11<br>ONE | 1.392<br>18.697 | 89.0<br>196.6 | 0.905<br>64.1 | 10.342<br>81.5 | 2.0 | 177.1 | 0.983D | 19.702A | 4.78 | 0.078 | 115.3 | 177.4 | -33.2 | 0.157 |
| 43160.0 | 48400.0 | 0.394<br>8.30 | 183.2<br>4.57 | -6.6<br>12.87 | -1.35<br>ONE | 1.392<br>18.697 | 84.2<br>196.6 | 0.906<br>64.1 | 10.337<br>81.5 | 12.2 | 177.1 | 0.973D | 19.701A | 1.99 | 0.077 | 115.4 | 175.9 | -33.0 | 0.157 |
| 43170.0 | 48400.0 | 0.432<br>9.15 | 179.5<br>4.58 | -2.6<br>13.73 | -0.83<br>ONE | 1.391<br>18.697 | 79.3<br>196.6 | 0.908<br>64.1 | 10.323<br>81.7 | 22.5 | 177.2 | 0.949D | 19.696A | 1.43 | 0.077 | 115.5 | 175.6 | -32.8 | 0.157 |
| 43180.0 | 48400.0 | 0.488<br>10.45 | 177.6<br>4.59 | -0.8<br>15.04 | -0.61<br>ONE | 1.390<br>18.697 | 74.4<br>196.6 | 0.912<br>64.1 | 10.300<br>81.9 | 32.7 | 177.3 | 0.911D | 19.688A | 1.18 | 0.075 | 115.5 | 175.5 | -32.5 | 0.159 |
| 43190.0 | 48400.0 | 0.555<br>12.08 | 177.5<br>4.61 | -0.2<br>16.70 | -0.49<br>ONE | 1.388<br>18.697 | 69.5<br>196.6 | 0.916<br>64.1 | 10.269<br>82.3 | 43.0 | 177.5 | 0.861D | 19.677A | 1.03 | 0.073 | 115.6 | 175.5 | -32.2 | 0.160 |
| 43200.0 | 48400.0 | 0.631<br>13.99 | 178.9<br>4.63 | -0.4<br>18.62 | -0.43<br>ONE | 1.386<br>18.697 | 64.5<br>196.6 | 0.922<br>64.1 | 10.231<br>82.7 | 53.3 | 177.6 | 0.799D | 19.663A | 0.93 | 0.071 | 115.8 | 175.5 | -31.7 | 0.162 |
| ARRIVAL DATE = 2448600.0 | | | | | | | | | | | | | | | | | | | |
| 43100.0 | 48600.0 | 0.605<br>13.32 | 208.0<br>4.61 | -10.4<br>17.93 | 0.51<br>TWO | 1.388<br>20.386 | 113.7<br>195.1 | 0.920<br>62.0 | 10.203<br>86.4 | 310.3 | 538.4 | 0.821 | 19.584A | 0.33 | 0.067 | 107.2 | 175.5 | -30.3 | 0.160 |
| 43110.0 | 48600.0 | 0.534<br>11.55 | 209.3<br>4.59 | -10.4<br>16.14 | 0.62<br>TWO | 1.389<br>20.386 | 109.0<br>195.1 | 0.914<br>62.0 | 10.237<br>85.9 | 320.2 | 538.3 | 0.877 | 19.596A | 0.19 | 0.070 | 107.7 | 175.4 | -30.8 | 0.158 |
| 43120.0 | 48600.0 | 0.471<br>10.05 | 209.0<br>4.58 | -9.4<br>14.62 | 0.81<br>TWO | 1.390<br>20.386 | 104.2<br>195.1 | 0.910<br>62.0 | 10.265<br>85.5 | 330.2 | 538.1 | 0.923 | 19.606A | -0.04 | 0.072 | 108.2 | 175.2 | -31.2 | 0.157 |
| 43130.0 | 48600.0 | 0.421<br>8.89 | 206.9<br>4.56 | -6.7<br>13.46 | 1.25<br>TWO | 1.391<br>20.386 | 99.4<br>195.1 | 0.907<br>62.0 | 10.285<br>85.1 | 340.3 | 538.0 | 0.957 | 19.614A | -0.51 | 0.073 | 108.5 | 174.9 | -31.5 | 0.156 |
| 43140.0 | 48600.0 | 0.391<br>8.23 | 204.3<br>4.56 | 1.0<br>12.79 | 2.89<br>TWO | 1.392<br>20.386 | 94.6<br>195.1 | 0.905<br>62.0 | 10.298<br>84.9 | 350.4 | 538.0 | 0.977 | 19.620A | -2.19 | 0.074 | 108.7 | 173.9 | -31.6 | 0.155 |
| 43150.0 | 48600.0 | 0.412<br>8.69 | 181.1<br>4.57 | -32.1<br>13.26 | -8.19<br>ONE | 1.392<br>20.386 | 89.7<br>195.1 | 0.905<br>62.0 | 10.303<br>84.9 | 0.6 | 177.9 | 0.983D | 19.623A | 8.85 | 0.074 | 108.8 | 179.7 | -32.4 | 0.156 |
| 43160.0 | 48600.0 | 0.390<br>8.22 | 184.9<br>4.56 | -8.8<br>12.78 | -1.71<br>ONE | 1.391<br>20.386 | 84.9<br>195.1 | 0.905<br>62.0 | 10.299<br>84.8 | 10.8 | 177.9 | 0.976D | 19.622A | 2.34 | 0.074 | 108.9 | 176.3 | -32.0 | 0.155 |
| 43170.0 | 48600.0 | 0.425<br>8.99 | 181.3<br>4.57 | -4.0<br>13.56 | -0.97<br>ONE | 1.391<br>20.386 | 80.0<br>195.1 | 0.907<br>62.0 | 10.287<br>85.0 | 21.0 | 178.0 | 0.954D | 19.619A | 1.57 | 0.073 | 108.9 | 175.9 | -31.8 | 0.156 |
| 43180.0 | 48600.0 | 0.478<br>10.22 | 179.1<br>4.58 | -1.7<br>14.80 | -0.69<br>ONE | 1.390<br>20.386 | 75.1<br>195.1 | 0.911<br>62.0 | 10.266<br>85.2 | 31.2 | 178.1 | 0.918D | 19.614A | 1.25 | 0.072 | 108.8 | 175.8 | -31.6 | 0.157 |
| 43190.0 | 48600.0 | 0.544<br>11.81 | 178.7<br>4.60 | -0.9<br>16.41 | -0.55<br>ONE | 1.388<br>20.386 | 70.2<br>195.1 | 0.915<br>62.0 | 10.238<br>85.5 | 41.5 | 178.2 | 0.870D | 19.607A | 1.08 | 0.070 | 108.7 | 175.7 | -31.3 | 0.159 |
| 43200.0 | 48600.0 | 0.618<br>13.67 | 180.0<br>4.62 | -1.0<br>18.29 | -0.47<br>ONE | 1.386<br>20.386 | 65.3<br>195.1 | 0.921<br>62.0 | 10.204<br>85.9 | 51.7 | 178.3 | 0.810D | 19.598A | 0.96 | 0.067 | 108.6 | 175.7 | -30.9 | 0.161 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2444670.0 | | | | | | | | | | | | | | | | | | | |
| 43510.0 | 44670.0 | 0.649 | 211.1 | -11.8 | 0.33 | 1.636 | 98.8 | 1.619 | -1.559 | 345.8 | 482.3 | 0.965 | NA | 0.50 | 0.865 | 174.4 | 166.3 | -59.9 | 0.864 |
| | | 14.47 | 19.68 | 34.14 | ONE | 18.499 | 338.6 | 69.3 | 9.9 | | | | | | | | | | |
| 43520.0 | 44670.0 | 0.625 | 206.5 | -10.2 | 0.28 | 1.638 | 92.8 | 1.637 | -1.541 | 355.5 | 481.8 | 0.982 | NA | 0.58 | 0.869 | 174.3 | 166.2 | -60.0 | 0.868 |
| | | 13.83 | 19.78 | 33.61 | ONE | 18.499 | 338.6 | 69.3 | 9.8 | | | | | | | | | | |
| 43530.0 | 44670.0 | 0.627 | 200.9 | -8.1 | 0.25 | 1.639 | 86.5 | 1.643 | -1.527 | 5.6 | 121.7 | 0.981D | NA | 0.63 | 0.873 | 174.4 | 166.2 | -60.1 | 0.871 |
| | | 13.90 | 19.87 | 33.77 | ONE | 18.499 | 338.6 | 69.3 | 9.7 | | | | | | | | | | |
| ARRIVAL DATE = 2444770.0 | | | | | | | | | | | | | | | | | | | |
| 43500.0 | 44770.0 | 0.640 | 211.4 | -11.7 | 0.39 | 1.592 | 102.8 | 1.474 | -1.992 | 338.6 | 486.5 | 0.943 | NA | 0.41 | 0.780 | 174.0 | 166.3 | -59.8 | 0.781 |
| | | 14.22 | 17.49 | 31.71 | ONE | 17.892 | 337.2 | 70.4 | 11.2 | | | | | | | | | | |
| 43510.0 | 44770.0 | 0.599 | 208.1 | -10.7 | 0.31 | 1.595 | 97.2 | 1.494 | -1.966 | 348.0 | 485.7 | 0.970 | NA | 0.52 | 0.784 | 173.9 | 166.2 | -60.0 | 0.784 |
| | | 13.18 | 17.58 | 30.77 | ONE | 17.892 | 337.2 | 70.4 | 11.0 | | | | | | | | | | |
| 43520.0 | 44770.0 | 0.580 | 203.1 | -8.9 | 0.26 | 1.596 | 91.3 | 1.505 | -1.946 | 357.8 | 485.3 | 0.983 | NA | 0.58 | 0.788 | 173.9 | 166.2 | -60.1 | 0.787 |
| | | 12.71 | 17.67 | 30.37 | ONE | 17.892 | 337.2 | 70.4 | 10.9 | | | | | | | | | | |
| 43530.0 | 44770.0 | 0.589 | 197.2 | -6.6 | 0.23 | 1.597 | 85.2 | 1.507 | -1.930 | 7.9 | 125.2 | 0.9780 | NA | 0.64 | 0.790 | 174.0 | 166.2 | -60.1 | 0.790 |
| | | 12.93 | 17.73 | 30.67 | ONE | 17.892 | 337.2 | 70.4 | 10.9 | | | | | | | | | | |
| 43540.0 | 44770.0 | 0.629 | 191.8 | -4.5 | 0.22 | 1.597 | 78.9 | 1.498 | -1.919 | 18.5 | 125.7 | 0.955D | NA | 0.68 | 0.792 | 174.1 | 166.2 | -60.1 | 0.792 |
| | | 13.93 | 17.79 | 31.72 | ONE | 17.892 | 337.2 | 70.4 | 11.0 | | | | | | | | | | |
| ARRIVAL DATE = 2444870.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 44870.0 | 0.648 | 210.9 | -11.2 | 0.54 | 1.557 | 106.6 | 1.361 | -2.537 | 331.3 | 490.6 | 0.915 | NA | 0.24 | 0.707 | 173.7 | 166.4 | -59.7 | 0.710 |
| | | 14.43 | 15.67 | 30.10 | ONE | 19.343 | 335.6 | 71.5 | 12.6 | | | | | | | | | | |
| 43500.0 | 44870.0 | 0.596 | 209.1 | -10.9 | 0.37 | 1.560 | 101.3 | 1.381 | -2.498 | 340.5 | 489.6 | 0.951 | NA | 0.43 | 0.712 | 173.6 | 166.3 | -59.9 | 0.714 |
| | | 13.10 | 15.76 | 28.86 | ONE | 19.343 | 335.6 | 71.5 | 12.3 | | | | | | | | | | |
| 43510.0 | 44870.0 | 0.560 | 205.3 | -9.6 | 0.29 | 1.562 | 95.8 | 1.395 | -2.468 | 350.0 | 488.9 | 0.975 | NA | 0.53 | 0.715 | 173.5 | 166.2 | -60.1 | 0.717 |
| | | 12.19 | 15.83 | 28.03 | ONE | 19.343 | 335.6 | 71.5 | 12.2 | | | | | | | | | | |
| 43520.0 | 44870.0 | 0.546 | 199.8 | -7.6 | 0.25 | 1.563 | 90.1 | 1.402 | -2.444 | 359.9 | 488.6 | 0.983 | NA | 0.59 | 0.718 | 173.5 | 166.2 | -60.1 | 0.719 |
| | | 11.86 | 15.90 | 27.76 | ONE | 19.343 | 335.6 | 71.5 | 12.1 | | | | | | | | | | |
| 43530.0 | 44870.0 | 0.561 | 193.8 | -5.3 | 0.22 | 1.563 | 84.1 | 1.402 | -2.427 | 10.1 | 128.7 | 0.975D | NA | 0.64 | 0.720 | 173.5 | 166.2 | -60.1 | 0.721 |
| | | 12.23 | 15.95 | 28.18 | ONE | 19.343 | 335.6 | 71.5 | 12.1 | | | | | | | | | | |
| 43540.0 | 44870.0 | 0.605 | 188.6 | -3.1 | 0.20 | 1.563 | 77.9 | 1.392 | -2.416 | 20.8 | 129.2 | 0.948D | NA | 0.68 | 0.721 | 173.6 | 166.2 | -60.1 | 0.723 |
| | | 13.34 | 16.00 | 29.33 | ONE | 19.343 | 335.6 | 71.5 | 12.2 | | | | | | | | | | |
| ARRIVAL DATE = 2444970.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 44970.0 | 0.609 | 209.1 | -10.6 | 0.53 | 1.532 | 105.3 | 1.291 | -3.177 | 333.0 | 493.5 | 0.924 | NA | 0.25 | 0.649 | 173.2 | 166.3 | -59.7 | 0.653 |
| | | 13.44 | 14.22 | 27.66 | ONE | 19.619 | 333.8 | 72.6 | 13.7 | | | | | | | | | | |
| 43500.0 | 44970.0 | 0.560 | 206.9 | -10.1 | 0.36 | 1.534 | 100.1 | 1.306 | -3.130 | 342.2 | 492.5 | 0.957 | NA | 0.44 | 0.652 | 173.1 | 166.3 | -59.9 | 0.656 |
| | | 12.21 | 14.30 | 26.50 | ONE | 19.619 | 333.8 | 72.6 | 13.5 | | | | | | | | | | |
| 43510.0 | 44970.0 | 0.528 | 202.6 | -8.6 | 0.28 | 1.535 | 94.6 | 1.316 | -3.093 | 351.8 | 492.0 | 0.978 | NA | 0.54 | 0.655 | 173.0 | 166.2 | -60.1 | 0.658 |
| | | 11.42 | 14.36 | 25.78 | ONE | 19.619 | 333.8 | 72.6 | 13.4 | | | | | | | | | | |
| 43520.0 | 44970.0 | 0.520 | 196.8 | -6.4 | 0.23 | 1.536 | 89.0 | 1.321 | -3.066 | 1.8 | 131.7 | 0.983D | NA | 0.61 | 0.658 | 173.0 | 166.2 | -60.1 | 0.660 |
| | | 11.21 | 14.41 | 25.62 | ONE | 19.619 | 333.8 | 72.6 | 13.3 | | | | | | | | | | |
| 43530.0 | 44970.0 | 0.540 | 190.8 | -4.0 | 0.20 | 1.536 | 83.1 | 1.319 | -3.047 | 12.1 | 131.9 | 0.972D | NA | 0.65 | 0.659 | 173.1 | 166.2 | -60.1 | 0.662 |
| | | 11.70 | 14.45 | 26.15 | ONE | 19.619 | 333.8 | 72.6 | 13.3 | | | | | | | | | | |
| 43540.0 | 44970.0 | 0.588 | 185.7 | -2.0 | 0.19 | 1.536 | 77.0 | 1.310 | -3.036 | 22.9 | 132.5 | 0.941D | NA | 0.69 | 0.660 | 173.2 | 166.3 | -60.0 | 0.663 |
| | | 12.90 | 14.49 | 27.39 | ONE | 19.619 | 333.8 | 72.6 | 13.4 | | | | | | | | | | |
| ARRIVAL DATE = 2445070.0 | | | | | | | | | | | | | | | | | | | |
| 43480.0 | 45070.0 | 0.635 | 208.5 | -9.0 | 1.13 | 1.508 | 109.1 | 1.219 | -4.062 | 325.4 | 497.3 | 0.890 | NA | -0.37 | 0.594 | 172.8 | 166.3 | -59.4 | 0.600 |
| | | 14.11 | 12.92 | 27.03 | ONE | 18.127 | 331.9 | 73.6 | 15.2 | | | | | | | | | | |
| 43490.0 | 45070.0 | 0.578 | 207.5 | -9.9 | 0.51 | 1.511 | 104.1 | 1.234 | -3.987 | 334.4 | 496.2 | 0.931 | NA | 0.27 | 0.597 | 172.6 | 166.4 | -59.7 | 0.603 |
| | | 12.64 | 12.99 | 25.63 | ONE | 18.127 | 331.9 | 73.6 | 15.0 | | | | | | | | | | |
| 43500.0 | 45070.0 | 0.531 | 204.7 | -9.3 | 0.34 | 1.513 | 99.0 | 1.245 | -3.927 | 343.8 | 495.3 | 0.962 | NA | 0.46 | 0.601 | 172.5 | 166.3 | -59.9 | 0.605 |
| | | 11.49 | 13.05 | 24.55 | ONE | 18.127 | 331.9 | 73.6 | 14.7 | | | | | | | | | | |
| 43510.0 | 45070.0 | 0.503 | 200.1 | -7.6 | 0.26 | 1.514 | 93.6 | 1.252 | -3.882 | 353.5 | 494.8 | 0.980 | NA | 0.56 | 0.603 | 172.5 | 166.2 | -60.1 | 0.607 |
| | | 10.81 | 13.11 | 23.91 | ONE | 18.127 | 331.9 | 73.6 | 14.6 | | | | | | | | | | |
| 43520.0 | 45070.0 | 0.499 | 194.1 | -5.3 | 0.21 | 1.514 | 88.0 | 1.255 | -3.850 | 3.5 | 134.7 | 0.982D | NA | 0.62 | 0.605 | 172.5 | 166.2 | -60.1 | 0.609 |
| | | 10.72 | 13.15 | 23.86 | ONE | 18.127 | 331.9 | 73.6 | 14.6 | | | | | | | | | | |
| 43530.0 | 45070.0 | 0.524 | 188.1 | -2.9 | 0.19 | 1.514 | 82.2 | 1.253 | -3.830 | 13.9 | 134.9 | 0.968D | NA | 0.66 | 0.606 | 172.6 | 166.2 | -60.1 | 0.610 |
| | | 11.31 | 13.18 | 24.49 | ONE | 18.127 | 331.9 | 73.6 | 14.6 | | | | | | | | | | |
| 43540.0 | 45070.0 | 0.576 | 183.3 | -0.9 | 0.17 | 1.514 | 76.3 | 1.245 | -3.820 | 24.8 | 135.6 | 0.935D | NA | 0.70 | 0.606 | 172.7 | 166.3 | -60.0 | 0.611 |
| | | 12.59 | 13.21 | 25.79 | ONE | 18.127 | 331.9 | 73.6 | 14.7 | | | | | | | | | | |
| 43550.0 | 45070.0 | 0.650 | 180.3 | 0.3 | 0.16 | 1.513 | 70.1 | 1.231 | -3.819 | 36.0 | 136.7 | 0.883D | NA | 0.73 | 0.607 | 173.0 | 166.4 | -59.8 | 0.612 |
| | | 14.48 | 13.23 | 27.71 | ONE | 18.127 | 331.9 | 73.6 | 14.9 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2445170.0 | | | | | | | | | | | |
| 43480.0 | 45170.0 | 0.607 | 207.3 | -8.3 | 1.20 | 1.491 | 108.1 | 1.175 | -5.130 | 326.6 | 499.7 | 0.898 | NA | -0.43 | 0.549 | 172.2 | 166.3 | -59.4 | 0.556 |
| | | 13.39 | 11.88 | 25.27 | ONE | 18.288 | 329.6 | 74.7 | 16.5 | | | | | | | | | | |
| 43490.0 | 45170.0 | 0.551 | 205.9 | -9.3 | 0.49 | 1.493 | 103.2 | 1.186 | -5.032 | 335.8 | 498.7 | 0.937 | NA | 0.29 | 0.552 | 172.1 | 166.4 | -59.7 | 0.559 |
| | | 11.98 | 11.94 | 23.92 | ONE | 18.288 | 329.6 | 74.7 | 16.2 | | | | | | | | | | |
| 43500.0 | 45170.0 | 0.507 | 202.8 | -8.5 | 0.32 | 1.495 | 98.0 | 1.195 | -4.955 | 345.2 | 498.0 | 0.966 | NA | 0.48 | 0.555 | 172.0 | 166.3 | -59.9 | 0.561 |
| | | 10.91 | 11.99 | 22.90 | ONE | 18.288 | 329.6 | 74.7 | 16.0 | | | | | | | | | | |
| 43510.0 | 45170.0 | 0.483 | 197.7 | -6.7 | 0.24 | 1.496 | 92.7 | 1.200 | -4.899 | 355.0 | 497.5 | 0.981 | NA | 0.57 | 0.557 | 172.0 | 166.3 | -60.0 | 0.563 |
| | | 10.32 | 12.03 | 22.36 | ONE | 18.288 | 329.6 | 74.7 | 15.9 | | | | | | | | | | |
| 43520.0 | 45170.0 | 0.483 | 191.6 | -4.3 | 0.20 | 1.496 | 87.2 | 1.202 | -4.860 | 5.1 | 137.5 | 0.981D | NA | 0.63 | 0.558 | 172.0 | 166.3 | -60.1 | 0.564 |
| | | 10.33 | 12.07 | 22.40 | ONE | 18.288 | 329.6 | 74.7 | 15.8 | | | | | | | | | | |
| 43530.0 | 45170.0 | 0.512 | 185.7 | -1.9 | 0.17 | 1.496 | 81.5 | 1.199 | -4.839 | 15.6 | 137.7 | 0.964D | NA | 0.67 | 0.559 | 172.1 | 166.3 | -60.0 | 0.565 |
| | | 11.01 | 12.09 | 23.10 | ONE | 18.288 | 329.6 | 74.7 | 15.9 | | | | | | | | | | |
| 43540.0 | 45170.0 | 0.566 | 181.1 | -0.1 | 0.16 | 1.496 | 75.6 | 1.192 | -4.832 | 26.4 | 138.4 | 0.929D | NA | 0.70 | 0.559 | 172.2 | 166.4 | -59.9 | 0.566 |
| | | 12.35 | 12.11 | 24.46 | ONE | 18.288 | 329.6 | 74.7 | 16.0 | | | | | | | | | | |
| 43550.0 | 45170.0 | 0.642 | 178.5 | 1.0 | 0.15 | 1.494 | 69.5 | 1.181 | -4.837 | 37.7 | 139.6 | 0.875D | NA | 0.73 | 0.559 | 172.5 | 166.5 | -59.7 | 0.567 |
| | | 14.27 | 12.13 | 26.40 | ONE | 18.288 | 329.6 | 74.7 | 16.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445270.0 | | | | | | | | | | | |
| 43470.0 | 45270.0 | 0.646 | 203.2 | -13.5 | -1.67 | 1.474 | 111.9 | 1.128 | -6.717 | 318.8 | 503.2 | 0.858 | NA | 2.42 | 0.505 | 171.9 | 167.3 | -59.1 | 0.515 |
| | | 14.38 | 10.92 | 25.30 | TWO | 19.757 | 327.1 | 75.7 | 18.1 | | | | | | | | | | |
| 43480.0 | 45270.0 | 0.584 | 206.3 | -7.5 | 1.29 | 1.477 | 107.2 | 1.138 | -6.551 | 327.8 | 502.1 | 0.905 | NA | -0.52 | 0.508 | 171.7 | 166.4 | -59.3 | 0.517 |
| | | 12.79 | 10.98 | 23.77 | ONE | 19.757 | 327.1 | 75.7 | 17.8 | | | | | | | | | | |
| 43490.0 | 45270.0 | 0.529 | 204.4 | -8.8 | 0.47 | 1.479 | 102.3 | 1.147 | -6.417 | 337.0 | 501.1 | 0.943 | NA | 0.31 | 0.512 | 171.5 | 166.4 | -59.6 | 0.520 |
| | | 11.43 | 11.03 | 22.47 | ONE | 19.757 | 327.1 | 75.7 | 17.5 | | | | | | | | | | |
| 43500.0 | 45270.0 | 0.488 | 201.0 | -7.9 | 0.29 | 1.480 | 97.2 | 1.153 | -6.315 | 346.5 | 500.5 | 0.969 | NA | 0.50 | 0.514 | 171.4 | 166.4 | -59.8 | 0.521 |
| | | 10.44 | 11.08 | 21.52 | ONE | 19.757 | 327.1 | 75.7 | 17.3 | | | | | | | | | | |
| 43510.0 | 45270.0 | 0.466 | 195.6 | -5.9 | 0.22 | 1.481 | 92.0 | 1.157 | -6.242 | 356.3 | 500.1 | 0.982 | NA | 0.59 | 0.516 | 171.4 | 166.3 | -59.9 | 0.523 |
| | | 9.94 | 11.11 | 21.05 | ONE | 19.757 | 327.1 | 75.7 | 17.2 | | | | | | | | | | |
| 43520.0 | 45270.0 | 0.470 | 189.4 | -3.4 | 0.18 | 1.482 | 86.5 | 1.158 | -6.195 | 6.5 | 140.1 | 0.980D | NA | 0.64 | 0.517 | 171.4 | 166.3 | -60.0 | 0.524 |
| | | 10.03 | 11.14 | 21.17 | ONE | 19.757 | 327.1 | 75.7 | 17.2 | | | | | | | | | | |
| 43530.0 | 45270.0 | 0.502 | 183.6 | -1.1 | 0.15 | 1.481 | 80.9 | 1.156 | -6.172 | 17.0 | 140.4 | 0.961D | NA | 0.68 | 0.518 | 171.5 | 166.4 | -59.9 | 0.525 |
| | | 10.78 | 11.16 | 21.94 | ONE | 19.757 | 327.1 | 75.7 | 17.2 | | | | | | | | | | |
| 43540.0 | 45270.0 | 0.559 | 179.3 | 0.7 | 0.14 | 1.481 | 75.1 | 1.150 | -6.171 | 27.9 | 141.1 | 0.924D | NA | 0.71 | 0.518 | 171.7 | 166.5 | -59.7 | 0.526 |
| | | 12.17 | 11.17 | 23.34 | ONE | 19.757 | 327.1 | 75.7 | 17.4 | | | | | | | | | | |
| 43550.0 | 45270.0 | 0.635 | 177.0 | 1.6 | 0.13 | 1.479 | 69.1 | 1.140 | -6.186 | 39.1 | 142.2 | 0.869D | NA | 0.73 | 0.517 | 172.0 | 166.6 | -59.5 | 0.526 |
| | | 14.11 | 11.19 | 25.30 | ONE | 19.757 | 327.1 | 75.7 | 17.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445370.0 | | | | | | | | | | | |
| 43470.0 | 45370.0 | 0.625 | 202.8 | -12.2 | -1.15 | 1.463 | 111.1 | 1.099 | -8.750 | 319.7 | 505.4 | 0.865 | NA | 1.91 | 0.469 | 171.3 | 167.3 | -58.9 | 0.481 |
| | | 13.84 | 10.15 | 23.99 | TWO | 19.285 | 324.2 | 76.7 | 19.5 | | | | | | | | | | |
| 43480.0 | 45370.0 | 0.564 | 205.5 | -6.7 | 1.43 | 1.465 | 106.4 | 1.107 | -8.510 | 328.8 | 504.3 | 0.911 | NA | -0.66 | 0.472 | 171.1 | 166.4 | -59.2 | 0.483 |
| | | 12.30 | 10.20 | 22.50 | ONE | 19.285 | 324.2 | 76.7 | 19.1 | | | | | | | | | | |
| 43490.0 | 45370.0 | 0.510 | 203.1 | -8.3 | 0.44 | 1.467 | 101.6 | 1.114 | -8.321 | 338.1 | 503.4 | 0.947 | NA | 0.34 | 0.475 | 170.9 | 166.5 | -59.5 | 0.485 |
| | | 10.98 | 10.25 | 21.23 | ONE | 19.285 | 324.2 | 76.7 | 18.8 | | | | | | | | | | |
| 43500.0 | 45370.0 | 0.471 | 199.3 | -7.3 | 0.27 | 1.468 | 96.5 | 1.119 | -8.178 | 347.6 | 502.8 | 0.972 | NA | 0.52 | 0.478 | 170.9 | 166.5 | -59.7 | 0.487 |
| | | 10.06 | 10.28 | 20.34 | ONE | 19.285 | 324.2 | 76.7 | 18.6 | | | | | | | | | | |
| 43510.0 | 45370.0 | 0.453 | 193.8 | -5.2 | 0.20 | 1.469 | 91.3 | 1.122 | -8.079 | 357.5 | 502.5 | 0.983 | NA | 0.60 | 0.479 | 170.8 | 166.4 | -59.8 | 0.488 |
| | | 9.63 | 10.31 | 19.94 | ONE | 19.285 | 324.2 | 76.7 | 18.5 | | | | | | | | | | |
| 43520.0 | 45370.0 | 0.460 | 187.4 | -2.7 | 0.16 | 1.469 | 85.9 | 1.122 | -8.020 | 7.7 | 142.5 | 0.979D | NA | 0.65 | 0.480 | 170.9 | 166.4 | -59.8 | 0.489 |
| | | 9.80 | 10.33 | 20.13 | ONE | 19.285 | 324.2 | 76.7 | 18.5 | | | | | | | | | | |
| 43530.0 | 45370.0 | 0.495 | 181.7 | -0.3 | 0.14 | 1.469 | 80.3 | 1.120 | -7.997 | 18.3 | 142.9 | 0.958D | NA | 0.69 | 0.480 | 171.0 | 166.5 | -59.7 | 0.490 |
| | | 10.61 | 10.35 | 20.96 | ONE | 19.285 | 324.2 | 76.7 | 18.6 | | | | | | | | | | |
| 43540.0 | 45370.0 | 0.553 | 177.8 | 1.3 | 0.12 | 1.468 | 74.6 | 1.115 | -8.006 | 29.2 | 143.6 | 0.919D | NA | 0.71 | 0.480 | 171.2 | 166.6 | -59.6 | 0.490 |
| | | 12.03 | 10.36 | 22.39 | ONE | 19.285 | 324.2 | 76.7 | 18.8 | | | | | | | | | | |
| 43550.0 | 45370.0 | 0.630 | 175.8 | 2.1 | 0.12 | 1.467 | 68.7 | 1.107 | -8.042 | 40.4 | 144.7 | 0.863D | NA | 0.74 | 0.480 | 171.5 | 166.7 | -59.3 | 0.491 |
| | | 13.97 | 10.38 | 24.35 | ONE | 19.285 | 324.2 | 76.7 | 19.0 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445470.0 | | | | | | | | | | | |
| 43470.0 | 45470.0 | 0.607 | 202.3 | -11.3 | -0.81 | 1.453 | 110.5 | 1.074 | -11.727 | 320.5 | 507.4 | 0.871 | NA | 1.57 | 0.437 | 170.6 | 167.3 | -58.8 | 0.450 |
| | | 13.38 | 9.48 | 22.87 | TWO | 17.949 | 320.8 | 77.6 | 20.8 | | | | | | | | | | |
| 43480.0 | 45470.0 | 0.547 | 204.8 | -5.7 | 1.67 | 1.455 | 105.8 | 1.081 | -11.358 | 329.6 | 506.3 | 0.916 | NA | -0.90 | 0.440 | 170.5 | 166.4 | -59.0 | 0.452 |
| | | 11.89 | 9.53 | 21.41 | ONE | 17.949 | 320.8 | 77.6 | 20.5 | | | | | | | | | | |
| 43490.0 | 45470.0 | 0.495 | 201.9 | -7.9 | 0.41 | 1.457 | 100.9 | 1.086 | -11.071 | 339.0 | 505.5 | 0.950 | NA | 0.37 | 0.443 | 170.3 | 166.6 | -59.3 | 0.454 |
| | | 10.61 | 9.56 | 20.18 | ONE | 17.949 | 320.8 | 77.6 | 20.2 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43500.0 | 45470.0 | 0.458 | 197.9 | -6.8 | 0.24 | 1.458 | 95.9 | 1.090 | -10.860 | 348.6 | 505.0 | 0.974 | NA | 0.55 | 0.445 | 170.2 | 166.6 | -59.5 | 0.455 |
| | | 9.74 | 9.59 | 19.34 | ONE | 17.949 | 320.8 | 77.6 | 20.0 | | | | | | | | | | |
| 43510.0 | 45470.0 | 0.442 | 192.1 | -4.6 | 0.17 | 1.459 | 90.8 | 1.092 | -10.718 | 358.6 | 504.7 | 0.983 | NA | 0.62 | 0.446 | 170.2 | 166.5 | -59.6 | 0.456 |
| | | 9.37 | 9.62 | 18.99 | ONE | 17.949 | 320.8 | 77.6 | 19.9 | | | | | | | | | | |
| 43520.0 | 45470.0 | 0.452 | 185.7 | -2.0 | 0.14 | 1.459 | 85.4 | 1.092 | -10.640 | 8.8 | 144.8 | 0.977D | NA | 0.67 | 0.447 | 170.3 | 166.6 | -59.6 | 0.457 |
| | | 9.60 | 9.64 | 19.24 | ONE | 17.949 | 320.8 | 77.6 | 19.9 | | | | | | | | | | |
| 43530.0 | 45470.0 | 0.489 | 180.2 | 0.3 | 0.12 | 1.458 | 79.9 | 1.090 | -10.619 | 19.4 | 145.2 | 0.955D | NA | 0.70 | 0.447 | 170.4 | 166.6 | -59.6 | 0.458 |
| | | 10.46 | 9.65 | 20.11 | ONE | 17.949 | 320.8 | 77.6 | 20.0 | | | | | | | | | | |
| 43540.0 | 45470.0 | 0.548 | 176.5 | 1.8 | 0.11 | 1.457 | 74.2 | 1.086 | -10.650 | 30.3 | 145.9 | 0.915D | NA | 0.72 | 0.447 | 170.6 | 166.7 | -59.4 | 0.458 |
| | | 11.91 | 9.66 | 21.57 | ONE | 17.949 | 320.8 | 77.6 | 20.2 | | | | | | | | | | |
| 43550.0 | 45470.0 | 0.626 | 174.7 | 2.5 | 0.10 | 1.456 | 68.4 | 1.080 | -10.724 | 41.5 | 147.0 | 0.858D | NA | 0.74 | 0.446 | 170.9 | 166.9 | -59.1 | 0.459 |
| | | 13.86 | 9.67 | 23.54 | ONE | 17.949 | 320.8 | 77.6 | 20.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445570.0 | | | | | | | | | | | |
| 43470.0 | 45570.0 | 0.592 | 201.9 | -10.6 | -0.57 | 1.444 | 109.9 | 1.053 | -16.460 | 321.2 | 509.2 | 0.876 | NA | 1.34 | 0.408 | 170.0 | 167.4 | -58.5 | 0.423 |
| | | 13.00 | 8.90 | 21.90 | TWO | 18.830 | 316.9 | 78.5 | 22.3 | | | | | | | | | | |
| 43480.0 | 45570.0 | 0.534 | 204.6 | -4.1 | 2.18 | 1.446 | 105.2 | 1.058 | -15.831 | 330.4 | 508.3 | 0.920 | NA | -1.41 | 0.411 | 169.8 | 166.3 | -58.8 | 0.424 |
| | | 11.56 | 8.94 | 20.49 | ONE | 18.830 | 316.9 | 78.5 | 21.9 | | | | | | | | | | |
| 43490.0 | 45570.0 | 0.482 | 200.9 | -7.6 | 0.38 | 1.448 | 100.4 | 1.062 | -15.353 | 339.8 | 507.6 | 0.953 | NA | 0.40 | 0.413 | 169.7 | 166.8 | -59.1 | 0.426 |
| | | 10.30 | 8.97 | 19.27 | ONE | 18.830 | 316.9 | 78.5 | 21.6 | | | | | | | | | | |
| 43500.0 | 45570.0 | 0.447 | 196.6 | -6.3 | 0.21 | 1.449 | 95.4 | 1.065 | -15.010 | 349.5 | 507.1 | 0.975 | NA | 0.58 | 0.415 | 169.6 | 166.7 | -59.3 | 0.427 |
| | | 9.48 | 8.99 | 18.47 | ONE | 18.830 | 316.9 | 78.5 | 21.4 | | | | | | | | | | |
| 43510.0 | 45570.0 | 0.433 | 190.6 | -4.0 | 0.15 | 1.450 | 90.3 | 1.066 | -14.789 | 359.5 | 506.8 | 0.983 | NA | 0.64 | 0.416 | 169.6 | 166.7 | -59.4 | 0.428 |
| | | 9.17 | 9.01 | 18.18 | ONE | 18.830 | 316.9 | 78.5 | 21.3 | | | | | | | | | | |
| 43520.0 | 45570.0 | 0.445 | 184.2 | -1.4 | 0.12 | 1.450 | 85.0 | 1.067 | -14.677 | 9.7 | 146.9 | 0.976D | NA | 0.68 | 0.417 | 169.6 | 166.7 | -59.4 | 0.429 |
| | | 9.45 | 9.03 | 18.48 | ONE | 18.830 | 316.9 | 78.5 | 21.3 | | | | | | | | | | |
| 43530.0 | 45570.0 | 0.484 | 178.9 | 0.8 | 0.10 | 1.449 | 79.5 | 1.065 | -14.665 | 20.3 | 147.3 | 0.953D | NA | 0.71 | 0.417 | 169.8 | 166.8 | -59.3 | 0.429 |
| | | 10.35 | 9.04 | 19.39 | ONE | 18.830 | 316.9 | 78.5 | 21.4 | | | | | | | | | | |
| 43540.0 | 45570.0 | 0.545 | 175.4 | 2.3 | 0.09 | 1.448 | 73.9 | 1.062 | -14.742 | 31.2 | 148.0 | 0.912D | NA | 0.73 | 0.416 | 170.0 | 166.9 | -59.1 | 0.430 |
| | | 11.82 | 9.05 | 20.87 | ONE | 18.830 | 316.9 | 78.5 | 21.6 | | | | | | | | | | |
| 43550.0 | 45570.0 | 0.622 | 173.9 | 2.9 | 0.08 | 1.447 | 68.2 | 1.057 | -14.897 | 42.4 | 149.1 | 0.854D | NA | 0.74 | 0.416 | 170.3 | 167.0 | -58.8 | 0.430 |
| | | 13.77 | 9.06 | 22.83 | ONE | 18.830 | 316.9 | 78.5 | 22.0 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445670.0 | | | | | | | | | | | |
| 43460.0 | 45670.0 | 0.644 | 200.2 | -8.9 | -0.19 | 1.435 | 114.0 | 1.031 | -26.726 | 312.8 | 512.1 | 0.829 | NA | 0.95 | 0.378 | 169.6 | 167.6 | -57.8 | 0.396 |
| | | 14.33 | 8.35 | 22.69 | TWO | 19.955 | 312.5 | 79.4 | 24.2 | | | | | | | | | | |
| 43470.0 | 45670.0 | 0.579 | 201.5 | -10.0 | -0.40 | 1.437 | 109.4 | 1.035 | -25.055 | 321.8 | 511.0 | 0.880 | NA | 1.16 | 0.381 | 169.3 | 167.5 | -58.3 | 0.398 |
| | | 12.68 | 8.39 | 21.07 | TWO | 19.955 | 312.5 | 79.4 | 23.7 | | | | | | | | | | |
| 43480.0 | 45670.0 | 0.527 | 205.9 | 0.8 | 4.06 | 1.439 | 104.8 | 1.039 | -23.792 | 331.0 | 510.1 | 0.923 | NA | -3.28 | 0.384 | 169.1 | 165.8 | -58.4 | 0.399 |
| | | 11.38 | 8.42 | 19.80 | ONE | 19.955 | 312.5 | 79.4 | 23.4 | | | | | | | | | | |
| 43490.0 | 45670.0 | 0.471 | 199.9 | -7.3 | 0.33 | 1.441 | 100.0 | 1.042 | -22.863 | 340.5 | 509.4 | 0.956 | NA | 0.44 | 0.386 | 169.0 | 166.9 | -58.9 | 0.401 |
| | | 10.04 | 8.45 | 18.49 | ONE | 19.955 | 312.5 | 79.4 | 23.1 | | | | | | | | | | |
| 43500.0 | 45670.0 | 0.437 | 195.4 | -6.0 | 0.18 | 1.442 | 95.0 | 1.044 | -22.217 | 350.2 | 509.0 | 0.976 | NA | 0.61 | 0.388 | 168.9 | 166.9 | -59.1 | 0.402 |
| | | 9.26 | 8.47 | 17.73 | ONE | 19.955 | 312.5 | 79.4 | 22.9 | | | | | | | | | | |
| 43510.0 | 45670.0 | 0.425 | 189.4 | -3.6 | 0.12 | 1.442 | 89.9 | 1.045 | -21.817 | 0.2 | 148.8 | 0.983D | NA | 0.67 | 0.389 | 168.9 | 166.8 | -59.2 | 0.403 |
| | | 9.00 | 8.49 | 17.48 | ONE | 19.955 | 312.5 | 79.4 | 22.8 | | | | | | | | | | |
| 43520.0 | 45670.0 | 0.440 | 183.0 | -1.0 | 0.10 | 1.442 | 84.6 | 1.045 | -21.637 | 10.5 | 148.9 | 0.975D | NA | 0.70 | 0.389 | 169.0 | 166.9 | -59.2 | 0.403 |
| | | 9.32 | 8.50 | 17.82 | ONE | 19.955 | 312.5 | 79.4 | 22.8 | | | | | | | | | | |
| 43530.0 | 45670.0 | 0.480 | 177.7 | 1.2 | 0.08 | 1.442 | 79.2 | 1.044 | -21.654 | 21.1 | 149.3 | 0.950D | NA | 0.72 | 0.389 | 169.1 | 166.9 | -59.0 | 0.404 |
| | | 10.25 | 8.51 | 18.76 | ONE | 19.955 | 312.5 | 79.4 | 22.9 | | | | | | | | | | |
| 43540.0 | 45670.0 | 0.541 | 174.4 | 2.6 | 0.07 | 1.441 | 73.7 | 1.042 | -21.852 | 32.0 | 150.0 | 0.909D | NA | 0.74 | 0.389 | 169.4 | 167.0 | -58.8 | 0.404 |
| | | 11.73 | 8.52 | 20.25 | ONE | 19.955 | 312.5 | 79.4 | 23.1 | | | | | | | | | | |
| 43550.0 | 45670.0 | 0.619 | 173.1 | 3.1 | 0.07 | 1.439 | 68.0 | 1.038 | -22.210 | 43.1 | 151.1 | 0.851D | NA | 0.75 | 0.388 | 169.7 | 167.2 | -58.5 | 0.405 |
| | | 13.68 | 8.53 | 22.21 | ONE | 19.955 | 312.5 | 79.4 | 23.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445770.0 | | | | | | | | | | | |
| 43460.0 | 45770.0 | 0.633 | 199.9 | -8.7 | -0.14 | 1.429 | 113.6 | 1.017 | -50.316 | 313.2 | 513.7 | 0.832 | NA | 0.90 | 0.354 | 168.9 | 167.8 | -57.5 | 0.374 |
| | | 14.05 | 7.91 | 21.96 | TWO | 18.848 | 307.3 | 80.1 | 25.7 | | | | | | | | | | |
| 43470.0 | 45770.0 | 0.569 | 201.2 | -9.6 | -0.26 | 1.431 | 109.0 | 1.020 | -45.260 | 322.3 | 512.7 | 0.883 | NA | 1.03 | 0.357 | 168.6 | 167.6 | -58.0 | 0.375 |
| | | 12.41 | 7.94 | 20.35 | TWO | 18.848 | 307.3 | 80.1 | 25.3 | | | | | | | | | | |
| 43480.0 | 45770.0 | 0.544 | 192.4 | -31.4 | -9.15 | 1.433 | 104.4 | 1.022 | -41.719 | 331.6 | 511.9 | 0.926 | NA | 9.92 | 0.360 | 168.4 | 170.6 | -58.6 | 0.377 |
| | | 11.80 | 7.98 | 19.78 | TWO | 18.848 | 307.3 | 80.1 | 25.1 | | | | | | | | | | |
| 43490.0 | 45770.0 | 0.461 | 199.1 | -7.2 | 0.28 | 1.434 | 99.6 | 1.024 | -39.266 | 341.1 | 511.2 | 0.958 | NA | 0.50 | 0.362 | 168.3 | 167.1 | -58.6 | 0.378 |
| | | 9.82 | 7.99 | 17.81 | ONE | 18.848 | 307.3 | 80.1 | 24.6 | | | | | | | | | | |
| 43500.0 | 45770.0 | 0.429 | 194.5 | -5.7 | 0.14 | 1.435 | 94.6 | 1.026 | -37.644 | 350.9 | 510.8 | 0.977 | NA | 0.64 | 0.363 | 168.2 | 167.0 | -58.8 | 0.379 |
| | | 9.08 | 8.01 | 17.09 | ONE | 18.848 | 307.3 | 80.1 | 24.4 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 45770.0 | 0.419 | 188.3 | -3.2 | 0.09 | 1.436 | 89.6 | 1.027 | -36.695 | 0.9 | 150.7 | 0.983D | NA | 0.69 | 0.364 | 168.2 | 167.0 | -58.9 | 0.379 |
| | | 8.86 | 8.02 | 16.88 | ONE | 18.848 | 307.3 | 80.1 | 24.3 | | | | | | | | | | |
| 43520.0 | 45770.0 | 0.435 | 181.9 | -0.6 | 0.07 | 1.436 | 84.3 | 1.027 | -36.322 | 11.2 | 150.8 | 0.974D | NA | 0.72 | 0.365 | 168.3 | 167.0 | -58.9 | 0.380 |
| | | 9.21 | 8.04 | 17.25 | ONE | 18.848 | 307.3 | 80.1 | 24.3 | | | | | | | | | | |
| 43530.0 | 45770.0 | 0.476 | 176.8 | 1.6 | 0.06 | 1.435 | 79.0 | 1.026 | -36.461 | 21.8 | 151.2 | 0.949D | NA | 0.73 | 0.364 | 168.4 | 167.1 | -58.7 | 0.380 |
| | | 10.16 | 8.04 | 18.21 | ONE | 18.848 | 307.3 | 80.1 | 24.4 | | | | | | | | | | |
| 43540.0 | 45770.0 | 0.538 | 173.7 | 2.9 | 0.05 | 1.434 | 73.5 | 1.024 | -37.077 | 32.6 | 151.9 | 0.907D | NA | 0.74 | 0.364 | 168.7 | 167.2 | -58.5 | 0.381 |
| | | 11.65 | 8.05 | 19.71 | ONE | 18.848 | 307.3 | 80.1 | 24.7 | | | | | | | | | | |
| 43550.0 | 45770.0 | 0.615 | 172.6 | 3.3 | 0.05 | 1.433 | 67.9 | 1.022 | -38.142 | 43.8 | 152.9 | 0.848D | NA | 0.76 | 0.363 | 169.0 | 167.4 | -58.1 | 0.381 |
| | | 13.59 | 8.06 | 21.66 | ONE | 18.848 | 307.3 | 80.1 | 25.0 | | | | | | | | | | |
| ARRIVAL DATE = 2445870.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 45870.0 | 0.624 | 199.6 | -8.5 | -0.09 | 1.423 | 113.3 | 1.004 | ******* | 313.6 | 515.3 | 0.836 | NA | 0.85 | 0.332 | 168.2 | 167.9 | -57.1 | 0.353 |
| | | 13.82 | 7.52 | 21.34 | TWO | 18.029 | 301.3 | 80.8 | 27.3 | | | | | | | | | | |
| 43470.0 | 45870.0 | 0.560 | 200.9 | -9.2 | -0.16 | 1.425 | 108.7 | 1.006 | ******* | 322.7 | 514.3 | 0.886 | NA | 0.93 | 0.335 | 167.9 | 167.8 | -57.6 | 0.355 |
| | | 12.19 | 7.55 | 19.73 | TWO | 18.029 | 301.3 | 80.8 | 26.8 | | | | | | | | | | |
| 43480.0 | 45870.0 | 0.502 | 199.4 | -11.8 | -1.22 | 1.427 | 104.1 | 1.008 | ******* | 332.0 | 513.5 | 0.928 | NA | 1.99 | 0.337 | 167.7 | 168.0 | -58.0 | 0.356 |
| | | 10.78 | 7.57 | 18.35 | TWO | 18.029 | 301.3 | 80.8 | 26.4 | | | | | | | | | | |
| 43490.0 | 45870.0 | 0.453 | 198.4 | -7.1 | 0.21 | 1.429 | 99.3 | 1.009 | ******* | 341.6 | 512.9 | 0.959 | NA | 0.56 | 0.339 | 167.6 | 167.3 | -58.3 | 0.357 |
| | | 9.64 | 7.59 | 17.23 | ONE | 18.029 | 301.3 | 80.8 | 26.1 | | | | | | | | | | |
| 43500.0 | 45870.0 | 0.422 | 193.6 | -5.5 | 0.10 | 1.430 | 94.3 | 1.011 | -93.131 | 351.4 | 512.5 | 0.978 | NA | 0.68 | 0.341 | 167.5 | 167.2 | -58.5 | 0.358 |
| | | 8.93 | 7.60 | 16.53 | ONE | 18.029 | 301.3 | 80.8 | 25.9 | | | | | | | | | | |
| 43510.0 | 45870.0 | 0.414 | 187.4 | -3.0 | 0.07 | 1.430 | 89.3 | 1.011 | -88.383 | 1.4 | 152.4 | 0.983D | NA | 0.72 | 0.341 | 167.5 | 167.2 | -58.5 | 0.358 |
| | | 8.74 | 7.62 | 16.35 | ONE | 18.029 | 301.3 | 80.8 | 25.8 | | | | | | | | | | |
| 43520.0 | 45870.0 | 0.431 | 181.1 | -0.3 | 0.05 | 1.430 | 84.1 | 1.011 | -86.831 | 11.7 | 152.5 | 0.973D | NA | 0.73 | 0.342 | 167.6 | 167.2 | -58.5 | 0.359 |
| | | 9.12 | 7.63 | 16.75 | ONE | 18.029 | 301.3 | 80.8 | 25.9 | | | | | | | | | | |
| 43530.0 | 45870.0 | 0.473 | 176.1 | 1.8 | 0.04 | 1.430 | 78.8 | 1.011 | -88.008 | 22.3 | 152.9 | 0.947D | NA | 0.75 | 0.341 | 167.7 | 167.3 | -58.4 | 0.359 |
| | | 10.09 | 7.64 | 17.72 | ONE | 18.029 | 301.3 | 80.8 | 26.0 | | | | | | | | | | |
| 43540.0 | 45870.0 | 0.535 | 173.1 | 3.1 | 0.04 | 1.429 | 73.3 | 1.010 | -91.874 | 33.1 | 153.6 | 0.905D | NA | 0.75 | 0.341 | 168.0 | 167.4 | -58.1 | 0.360 |
| | | 11.58 | 7.64 | 19.23 | ONE | 18.029 | 301.3 | 80.8 | 26.3 | | | | | | | | | | |
| 43550.0 | 45870.0 | 0.612 | 172.1 | 3.5 | 0.03 | 1.427 | 67.8 | 1.009 | -98.726 | 44.2 | 154.5 | 0.846D | NA | 0.76 | 0.340 | 168.3 | 167.6 | -57.7 | 0.360 |
| | | 13.51 | 7.65 | 21.17 | ONE | 18.029 | 301.3 | 80.8 | 26.7 | | | | | | | | | | |
| ARRIVAL DATE = 2445970.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 45970.0 | 0.617 | 199.5 | -8.3 | -0.04 | 1.419 | 113.0 | 0.993 | 121.706 | 313.8 | 516.7 | 0.838 | 242.574A | 0.81 | 0.311 | 167.4 | 168.1 | -56.7 | 0.335 |
| | | 13.63 | 7.18 | 20.80 | TWO | 19.399 | 294.4 | 81.4 | 28.9 | | | | | | | | | | |
| 43470.0 | 45970.0 | 0.552 | 200.7 | -8.9 | -0.07 | 1.421 | 108.5 | 0.994 | 155.716 | 323.0 | 515.8 | 0.888 | 310.544A | 0.84 | 0.314 | 167.1 | 167.9 | -57.2 | 0.336 |
| | | 12.00 | 7.20 | 19.20 | TWO | 19.399 | 294.4 | 81.4 | 28.4 | | | | | | | | | | |
| 43480.0 | 45970.0 | 0.494 | 199.9 | -9.4 | -0.33 | 1.423 | 103.8 | 0.995 | 203.193 | 332.4 | 515.0 | 0.930 | 405.456A | 1.10 | 0.317 | 166.9 | 167.8 | -57.6 | 0.337 |
| | | 10.59 | 7.22 | 17.81 | TWO | 19.399 | 294.4 | 81.4 | 28.0 | | | | | | | | | | |
| 43490.0 | 45970.0 | 0.447 | 197.8 | -7.1 | 0.12 | 1.424 | 99.0 | 0.996 | 267.185 | 342.0 | 514.5 | 0.960 | 533.410A | 0.65 | 0.318 | 166.8 | 167.5 | -57.9 | 0.338 |
| | | 9.49 | 7.24 | 16.72 | ONE | 19.399 | 294.4 | 81.4 | 27.7 | | | | | | | | | | |
| 43500.0 | 45970.0 | 0.417 | 192.9 | -5.4 | 0.05 | 1.425 | 94.1 | 0.997 | 344.231 | 351.8 | 514.1 | 0.979 | 687.483A | 0.72 | 0.320 | 166.7 | 167.5 | -58.1 | 0.339 |
| | | 8.80 | 7.25 | 16.05 | ONE | 19.399 | 294.4 | 81.4 | 27.5 | | | | | | | | | | |
| 43510.0 | 45970.0 | 0.409 | 186.7 | -2.8 | 0.03 | 1.425 | 89.1 | 0.998 | 413.813 | 1.9 | 154.0 | 0.983D826.644A | | 0.74 | 0.320 | 166.7 | 167.4 | -58.2 | 0.339 |
| | | 8.63 | 7.26 | 15.89 | ONE | 19.399 | 294.4 | 81.4 | 27.4 | | | | | | | | | | |
| 43520.0 | 45970.0 | 0.427 | 180.4 | -0.1 | 0.03 | 1.425 | 83.9 | 0.998 | 439.621 | 12.2 | 154.1 | 0.972D878.270A | | 0.75 | 0.321 | 166.8 | 167.5 | -58.1 | 0.340 |
| | | 9.04 | 7.27 | 16.31 | ONE | 19.399 | 294.4 | 81.4 | 27.5 | | | | | | | | | | |
| 43530.0 | 45970.0 | 0.470 | 175.5 | 2.0 | 0.02 | 1.425 | 78.6 | 0.998 | 405.976 | 22.7 | 154.5 | 0.946D811.006A | | 0.76 | 0.320 | 167.0 | 167.5 | -58.0 | 0.340 |
| | | 10.02 | 7.28 | 17.30 | ONE | 19.399 | 294.4 | 81.4 | 27.6 | | | | | | | | | | |
| 43540.0 | 45970.0 | 0.532 | 172.6 | 3.2 | 0.02 | 1.424 | 73.2 | 0.997 | 338.682 | 33.6 | 155.2 | 0.903D676.461A | | 0.76 | 0.320 | 167.2 | 167.7 | -57.7 | 0.341 |
| | | 11.51 | 7.28 | 18.80 | ONE | 19.399 | 294.4 | 81.4 | 27.9 | | | | | | | | | | |
| 43550.0 | 45970.0 | 0.609 | 171.8 | 3.6 | 0.02 | 1.422 | 67.7 | 0.997 | 270.185 | 44.6 | 156.1 | 0.845D539.525A | | 0.77 | 0.318 | 167.6 | 167.8 | -57.3 | 0.341 |
| | | 13.43 | 7.29 | 20.73 | ONE | 19.399 | 294.4 | 81.4 | 28.3 | | | | | | | | | | |
| ARRIVAL DATE = 2446070.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46070.0 | 0.610 | 199.4 | -8.2 | 0.00 | 1.415 | 112.8 | 0.984 | 51.294 | 314.0 | 518.1 | 0.840 | 101.749A | 0.77 | 0.292 | 166.6 | 168.4 | -56.2 | 0.318 |
| | | 13.47 | 6.87 | 20.34 | TWO | 19.901 | 286.8 | 81.8 | 30.6 | | | | | | | | | | |
| 43470.0 | 46070.0 | 0.546 | 200.6 | -8.7 | 0.00 | 1.417 | 108.2 | 0.984 | 55.968 | 323.2 | 517.2 | 0.890 | 111.047A | 0.77 | 0.295 | 166.3 | 168.1 | -56.7 | 0.319 |
| | | 11.84 | 6.89 | 18.74 | TWO | 19.901 | 286.8 | 81.8 | 30.1 | | | | | | | | | | |
| 43480.0 | 46070.0 | 0.488 | 200.0 | -8.4 | 0.01 | 1.419 | 103.6 | 0.985 | 60.564 | 332.6 | 516.5 | 0.931 | 120.197A | 0.77 | 0.298 | 166.1 | 167.9 | -57.1 | 0.320 |
| | | 10.44 | 6.91 | 17.35 | TWO | 19.901 | 286.8 | 81.8 | 29.7 | | | | | | | | | | |
| 43490.0 | 46070.0 | 0.441 | 197.2 | -7.3 | -0.00 | 1.420 | 98.8 | 0.985 | 64.707 | 342.3 | 516.0 | 0.961 | 128.453A | 0.78 | 0.299 | 166.0 | 167.8 | -57.5 | 0.321 |
| | | 9.36 | 6.92 | 16.28 | ONE | 19.901 | 286.8 | 81.8 | 29.3 | | | | | | | | | | |
| 43500.0 | 46070.0 | 0.412 | 192.4 | -5.3 | -0.00 | 1.421 | 93.9 | 0.986 | 67.966 | 352.1 | 515.6 | 0.979 | 134.953A | 0.77 | 0.301 | 165.9 | 167.7 | -57.7 | 0.321 |
| | | 8.69 | 6.93 | 15.63 | ONE | 19.901 | 286.8 | 81.8 | 29.1 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 46070.0 | 0.405 | 186.1 | -2.6 | -0.00 | 1.421 | 88.9 | 0.986 | 69.949 | 2.2 | 155.5 | 0.983D | 138.916A | 0.77 | 0.301 | 165.9 | 167.7 | -57.7 | 0.322 |
| | | 8.55 | 6.94 | 15.49 | ONE | 19.901 | 286.8 | 81.8 | 29.1 | | | | | | | | | | |
| 43520.0 | 46070.0 | 0.424 | 179.8 | 0.1 | -0.00 | 1.421 | 83.8 | 0.986 | 70.420 | 12.5 | 155.7 | 0.972D | 139.868A | 0.77 | 0.301 | 166.0 | 167.7 | -57.7 | 0.322 |
| | | 8.97 | 6.95 | 15.92 | ONE | 19.901 | 286.8 | 81.8 | 29.1 | | | | | | | | | | |
| 43530.0 | 46070.0 | 0.467 | 175.0 | 2.2 | -0.00 | 1.421 | 78.5 | 0.986 | 69.385 | 23.1 | 156.0 | 0.945D | 137.826A | 0.77 | 0.301 | 166.2 | 167.8 | -57.5 | 0.323 |
| | | 9.95 | 6.96 | 16.91 | ONE | 19.901 | 286.8 | 81.8 | 29.3 | | | | | | | | | | |
| 43540.0 | 46070.0 | 0.529 | 172.3 | 3.3 | -0.00 | 1.420 | 73.2 | 0.987 | 67.092 | 33.9 | 156.7 | 0.902D | 133.282A | 0.77 | 0.300 | 166.5 | 167.9 | -57.2 | 0.323 |
| | | 11.45 | 6.97 | 18.41 | ONE | 19.901 | 286.8 | 81.8 | 29.6 | | | | | | | | | | |
| 43550.0 | 46070.0 | 0.606 | 171.5 | 3.7 | -0.00 | 1.418 | 67.7 | 0.987 | 63.939 | 44.9 | 157.5 | 0.844D | 127.033A | 0.77 | 0.299 | 166.9 | 168.1 | -56.8 | 0.324 |
| | | 13.35 | 6.97 | 20.33 | ONE | 19.901 | 286.8 | 81.8 | 30.0 | | | | | | | | | | |
| ARRIVAL DATE = 2446170.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46170.0 | 0.605 | 199.3 | -8.1 | 0.04 | 1.411 | 112.6 | 0.975 | 34.125 | 314.1 | 519.4 | 0.841 | 67.410A | 0.74 | 0.275 | 165.8 | 168.6 | -55.7 | 0.303 |
| | | 13.34 | 6.61 | 19.94 | TWO | 18.444 | 278.6 | 82.0 | 32.3 | | | | | | | | | | |
| 43470.0 | 46170.0 | 0.541 | 200.5 | -8.5 | 0.06 | 1.413 | 108.1 | 0.975 | 35.947 | 323.4 | 518.5 | 0.891 | 71.004A | 0.71 | 0.278 | 165.5 | 168.3 | -56.2 | 0.304 |
| | | 11.72 | 6.62 | 18.34 | TWO | 18.444 | 278.6 | 82.0 | 31.8 | | | | | | | | | | |
| 43480.0 | 46170.0 | 0.483 | 200.0 | -7.9 | 0.19 | 1.415 | 103.4 | 0.975 | 37.613 | 332.8 | 517.9 | 0.932 | 74.294A | 0.59 | 0.280 | 165.3 | 168.1 | -56.7 | 0.304 |
| | | 10.33 | 6.64 | 16.96 | TWO | 18.444 | 278.6 | 82.0 | 31.3 | | | | | | | | | | |
| 43490.0 | 46170.0 | 0.437 | 196.7 | -7.8 | -0.19 | 1.416 | 98.7 | 0.975 | 39.014 | 342.5 | 517.4 | 0.962 | 77.067A | 0.96 | 0.282 | 165.1 | 168.1 | -57.0 | 0.305 |
| | | 9.25 | 6.65 | 15.90 | ONE | 18.444 | 278.6 | 82.0 | 31.0 | | | | | | | | | | |
| 43500.0 | 46170.0 | 0.408 | 191.9 | -5.4 | -0.06 | 1.417 | 93.8 | 0.976 | 40.047 | 352.3 | 517.1 | 0.979 | 79.114A | 0.83 | 0.283 | 165.0 | 168.0 | -57.2 | 0.306 |
| | | 8.60 | 6.66 | 15.26 | ONE | 18.444 | 278.6 | 82.0 | 30.8 | | | | | | | | | | |
| 43510.0 | 46170.0 | 0.402 | 185.6 | -2.6 | -0.04 | 1.418 | 88.8 | 0.976 | 40.632 | 2.4 | 157.0 | 0.983D | 80.280A | 0.81 | 0.283 | 165.1 | 167.9 | -57.3 | 0.306 |
| | | 8.47 | 6.66 | 15.13 | ONE | 18.444 | 278.6 | 82.0 | 30.7 | | | | | | | | | | |
| 43520.0 | 46170.0 | 0.421 | 179.4 | 0.2 | -0.03 | 1.417 | 83.7 | 0.976 | 40.731 | 12.8 | 157.1 | 0.971D | 80.490A | 0.80 | 0.284 | 165.1 | 167.9 | -57.2 | 0.306 |
| | | 8.90 | 6.67 | 15.57 | ONE | 18.444 | 278.6 | 82.0 | 30.8 | | | | | | | | | | |
| 43530.0 | 46170.0 | 0.464 | 174.6 | 2.2 | -0.02 | 1.417 | 78.5 | 0.977 | 40.358 | 23.3 | 157.5 | 0.944D | 79.772A | 0.79 | 0.283 | 165.3 | 168.0 | -57.0 | 0.307 |
| | | 9.89 | 6.68 | 16.57 | ONE | 18.444 | 278.6 | 82.0 | 31.0 | | | | | | | | | | |
| 43540.0 | 46170.0 | 0.527 | 172.0 | 3.4 | -0.02 | 1.416 | 73.2 | 0.977 | 39.576 | 34.1 | 158.1 | 0.902D | 78.251A | 0.78 | 0.282 | 165.6 | 168.1 | -56.7 | 0.307 |
| | | 11.38 | 6.69 | 18.06 | ONE | 18.444 | 278.6 | 82.0 | 31.3 | | | | | | | | | | |
| 43550.0 | 46170.0 | 0.603 | 171.3 | 3.7 | -0.02 | 1.414 | 67.8 | 0.978 | 38.484 | 45.0 | 158.9 | 0.844D | 76.123A | 0.78 | 0.281 | 166.0 | 168.3 | -56.3 | 0.308 |
| | | 13.27 | 6.70 | 19.97 | ONE | 18.444 | 278.6 | 82.0 | 31.7 | | | | | | | | | | |
| ARRIVAL DATE = 2446270.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46270.0 | 0.601 | 199.4 | -8.0 | 0.07 | 1.408 | 112.5 | 0.968 | 26.413 | 314.1 | 520.6 | 0.842 | 51.983A | 0.71 | 0.259 | 164.9 | 168.8 | -55.1 | 0.289 |
| | | 13.23 | 6.37 | 19.60 | TWO | 18.362 | 270.0 | 82.1 | 34.1 | | | | | | | | | | |
| 43470.0 | 46270.0 | 0.536 | 200.5 | -8.3 | 0.12 | 1.410 | 108.0 | 0.967 | 27.398 | 323.4 | 519.8 | 0.892 | 53.905A | 0.66 | 0.261 | 164.6 | 168.6 | -55.7 | 0.289 |
| | | 11.62 | 6.38 | 18.00 | TWO | 18.362 | 270.0 | 82.1 | 33.5 | | | | | | | | | | |
| 43480.0 | 46270.0 | 0.479 | 200.0 | -7.5 | 0.30 | 1.412 | 103.3 | 0.967 | 28.270 | 332.9 | 519.2 | 0.933 | 55.608A | 0.48 | 0.264 | 164.4 | 168.3 | -56.1 | 0.290 |
| | | 10.23 | 6.39 | 16.62 | TWO | 18.362 | 270.0 | 82.1 | 33.1 | | | | | | | | | | |
| 43490.0 | 46270.0 | 0.433 | 196.2 | -8.6 | -0.48 | 1.413 | 98.5 | 0.967 | 28.981 | 342.6 | 518.7 | 0.962 | 57.000A | 1.25 | 0.265 | 164.2 | 168.5 | -56.5 | 0.291 |
| | | 9.17 | 6.40 | 15.57 | ONE | 18.362 | 270.0 | 82.1 | 32.8 | | | | | | | | | | |
| 43500.0 | 46270.0 | 0.404 | 191.6 | -5.5 | -0.13 | 1.414 | 93.7 | 0.967 | 29.489 | 352.5 | 518.4 | 0.979 | 57.998A | 0.90 | 0.266 | 164.1 | 168.3 | -56.7 | 0.291 |
| | | 8.53 | 6.41 | 14.94 | ONE | 18.362 | 270.0 | 82.1 | 32.5 | | | | | | | | | | |
| 43510.0 | 46270.0 | 0.398 | 185.3 | -2.6 | -0.08 | 1.414 | 88.7 | 0.967 | 29.763 | 2.6 | 158.3 | 0.983D | 58.544A | 0.84 | 0.267 | 164.2 | 168.2 | -56.8 | 0.292 |
| | | 8.40 | 6.42 | 14.82 | ONE | 18.362 | 270.0 | 82.1 | 32.5 | | | | | | | | | | |
| 43520.0 | 46270.0 | 0.418 | 179.1 | 0.2 | -0.06 | 1.414 | 83.6 | 0.967 | 29.792 | 12.9 | 158.5 | 0.971D | 58.614A | 0.82 | 0.267 | 164.3 | 168.2 | -56.7 | 0.292 |
| | | 8.84 | 6.42 | 15.26 | ONE | 18.362 | 270.0 | 82.1 | 32.5 | | | | | | | | | | |
| 43530.0 | 46270.0 | 0.462 | 174.4 | 2.3 | -0.05 | 1.414 | 78.5 | 0.968 | 29.585 | 23.5 | 158.8 | 0.944D | 58.226A | 0.81 | 0.267 | 164.4 | 168.3 | -56.5 | 0.292 |
| | | 9.83 | 6.43 | 16.26 | ONE | 18.362 | 270.0 | 82.1 | 32.7 | | | | | | | | | | |
| 43540.0 | 46270.0 | 0.524 | 171.8 | 3.4 | -0.04 | 1.413 | 73.2 | 0.969 | 29.169 | 34.2 | 159.4 | 0.901D | 57.437A | 0.80 | 0.266 | 164.8 | 168.4 | -56.2 | 0.293 |
| | | 11.31 | 6.44 | 17.75 | ONE | 18.362 | 270.0 | 82.1 | 33.0 | | | | | | | | | | |
| 43550.0 | 46270.0 | 0.599 | 171.2 | 3.7 | -0.04 | 1.411 | 67.8 | 0.970 | 28.588 | 45.1 | 160.2 | 0.844D | 56.332A | 0.79 | 0.264 | 165.2 | 168.6 | -55.8 | 0.293 |
| | | 13.19 | 6.45 | 19.64 | ONE | 18.362 | 270.0 | 82.1 | 33.5 | | | | | | | | | | |
| ARRIVAL DATE = 2446370.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46370.0 | 0.598 | 199.4 | -8.0 | 0.10 | 1.406 | 112.5 | 0.962 | 22.053 | 314.1 | 521.8 | 0.842 | 43.264A | 0.68 | 0.244 | 164.0 | 169.1 | -54.5 | 0.276 |
| | | 13.15 | 6.16 | 19.31 | TWO | 19.871 | 261.5 | 82.0 | 35.9 | | | | | | | | | | |
| 43470.0 | 46370.0 | 0.533 | 200.5 | -8.2 | 0.16 | 1.408 | 107.9 | 0.961 | 22.681 | 323.5 | 521.0 | 0.892 | 44.469A | 0.62 | 0.246 | 163.7 | 168.8 | -55.1 | 0.276 |
| | | 11.54 | 6.17 | 17.71 | TWO | 19.871 | 261.5 | 82.0 | 35.3 | | | | | | | | | | |
| 43480.0 | 46370.0 | 0.476 | 200.0 | -7.3 | 0.37 | 1.409 | 103.2 | 0.960 | 23.226 | 333.0 | 520.4 | 0.933 | 45.518A | 0.40 | 0.248 | 163.4 | 168.5 | -55.5 | 0.277 |
| | | 10.15 | 6.18 | 16.33 | TWO | 19.871 | 261.5 | 82.0 | 34.9 | | | | | | | | | | |
| 43490.0 | 46370.0 | 0.430 | 195.4 | -10.2 | -1.02 | 1.410 | 98.5 | 0.959 | 23.662 | 342.7 | 520.0 | 0.963 | 46.361A | 1.79 | 0.250 | 163.3 | 169.0 | -56.0 | 0.277 |
| | | 9.11 | 6.19 | 15.29 | ONE | 19.871 | 261.5 | 82.0 | 34.5 | | | | | | | | | | |
| 43500.0 | 46370.0 | 0.401 | 191.3 | -5.7 | -0.22 | 1.411 | 93.6 | 0.959 | 23.966 | 352.6 | 519.7 | 0.980 | 46.953A | 0.98 | 0.251 | 163.2 | 168.6 | -56.1 | 0.278 |
| | | 8.46 | 6.19 | 14.65 | ONE | 19.871 | 261.5 | 82.0 | 34.3 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 46370.0 | 0.396 | 185.1 | -2.7 | -0.12 | 1.412 | 88.7 | 0.959 | 24.125 | 2.7 | 159.6 | 0.983D | 47.267A | 0.89 | 0.252 | 163.2 | 168.5 | -56.2 | 0.278 |
| | | 8.34 | 6.20 | 14.54 | ONE | 19.871 | 261.5 | 82.0 | 34.2 | | | | | | | | | | |
| 43520.0 | 46370.0 | 0.416 | 178.9 | 0.2 | -0.09 | 1.411 | 83.6 | 0.960 | 24.132 | 13.0 | 159.7 | 0.971D | 47.294A | 0.85 | 0.252 | 163.3 | 168.5 | -56.1 | 0.279 |
| | | 8.78 | 6.20 | 14.99 | ONE | 19.871 | 261.5 | 82.0 | 34.3 | | | | | | | | | | |
| 43530.0 | 46370.0 | 0.459 | 174.3 | 2.3 | -0.07 | 1.411 | 78.5 | 0.961 | 23.994 | 23.5 | 160.1 | 0.944D | 47.044A | 0.82 | 0.251 | 163.5 | 168.6 | -56.0 | 0.279 |
| | | 9.77 | 6.21 | 15.98 | ONE | 19.871 | 261.5 | 82.0 | 34.5 | | | | | | | | | | |
| 43540.0 | 46370.0 | 0.521 | 171.7 | 3.4 | -0.06 | 1.410 | 73.2 | 0.962 | 23.726 | 34.2 | 160.6 | 0.902D | 46.550A | 0.81 | 0.250 | 163.8 | 168.7 | -55.6 | 0.279 |
| | | 11.24 | 6.22 | 17.46 | ONE | 19.871 | 261.5 | 82.0 | 34.8 | | | | | | | | | | |
| 43550.0 | 46370.0 | 0.596 | 171.2 | 3.7 | -0.05 | 1.408 | 67.9 | 0.964 | 23.352 | 45.1 | 161.3 | 0.844D | 45.860A | 0.80 | 0.249 | 164.3 | 168.9 | -55.2 | 0.280 |
| | | 13.10 | 6.23 | 19.33 | ONE | 19.871 | 261.5 | 82.0 | 35.3 | | | | | | | | | | |
| ARRIVAL DATE = 2446470.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 44470.0 | 0.596 | 199.5 | -7.9 | 0.13 | 1.403 | 112.4 | 0.956 | 19.265 | 314.0 | 522.9 | 0.842 | 37.687A | 0.65 | 0.230 | 163.0 | 169.4 | -53.9 | 0.264 |
| | | 13.10 | 5.97 | 19.07 | TWO | 19.621 | 253.3 | 81.8 | 37.8 | | | | | | | | | | |
| 43470.0 | 46470.0 | 0.531 | 200.6 | -8.1 | 0.20 | 1.405 | 107.9 | 0.955 | 19.705 | 323.4 | 522.1 | 0.892 | 38.518A | 0.58 | 0.232 | 162.7 | 169.1 | -54.5 | 0.265 |
| | | 11.48 | 5.98 | 17.46 | TWO | 19.621 | 253.3 | 81.8 | 37.2 | | | | | | | | | | |
| 43480.0 | 46470.0 | 0.473 | 200.1 | -7.1 | 0.43 | 1.407 | 103.2 | 0.954 | 20.083 | 333.0 | 521.6 | 0.933 | 39.234A | 0.35 | 0.234 | 162.4 | 168.8 | -54.9 | 0.265 |
| | | 10.10 | 5.99 | 16.08 | TWO | 19.621 | 253.3 | 81.8 | 36.7 | | | | | | | | | | |
| 43490.0 | 46470.0 | 0.430 | 193.7 | -14.3 | -2.39 | 1.408 | 98.4 | 0.953 | 20.382 | 342.7 | 521.1 | 0.963 | 39.802A | 3.16 | 0.236 | 162.3 | 170.0 | -55.4 | 0.265 |
| | | 9.10 | 5.99 | 15.10 | ONE | 19.621 | 253.3 | 81.8 | 36.3 | | | | | | | | | | |
| 43500.0 | 46470.0 | 0.399 | 191.2 | -6.0 | -0.32 | 1.409 | 93.6 | 0.952 | 20.588 | 352.6 | 520.9 | 0.980 | 40.196A | 1.08 | 0.237 | 162.2 | 168.9 | -55.5 | 0.266 |
| | | 8.41 | 6.00 | 14.41 | ONE | 19.621 | 253.3 | 81.8 | 36.1 | | | | | | | | | | |
| 43510.0 | 46470.0 | 0.393 | 184.9 | -2.8 | -0.17 | 1.409 | 88.7 | 0.953 | 20.691 | 2.7 | 160.8 | 0.983D | 40.400A | 0.93 | 0.237 | 162.2 | 168.8 | -55.6 | 0.266 |
| | | 8.29 | 6.00 | 14.29 | ONE | 19.621 | 253.3 | 81.8 | 36.0 | | | | | | | | | | |
| 43520.0 | 46470.0 | 0.413 | 178.8 | 0.1 | -0.12 | 1.409 | 83.6 | 0.953 | 20.690 | 13.0 | 160.9 | 0.971D | 40.410A | 0.87 | 0.237 | 162.3 | 168.8 | -55.5 | 0.266 |
| | | 8.73 | 6.01 | 14.74 | ONE | 19.621 | 253.3 | 81.8 | 36.1 | | | | | | | | | | |
| 43530.0 | 46470.0 | 0.456 | 174.2 | 2.2 | -0.10 | 1.408 | 78.5 | 0.954 | 20.589 | 23.5 | 161.2 | 0.944D | 40.233A | 0.84 | 0.237 | 162.5 | 168.9 | -55.3 | 0.267 |
| | | 9.71 | 6.02 | 15.72 | ONE | 19.621 | 253.3 | 81.8 | 36.3 | | | | | | | | | | |
| 43540.0 | 46470.0 | 0.518 | 171.7 | 3.3 | -0.08 | 1.407 | 73.3 | 0.956 | 20.396 | 34.2 | 161.8 | 0.902D | 39.890A | 0.82 | 0.236 | 162.9 | 169.0 | -55.0 | 0.267 |
| | | 11.17 | 6.02 | 17.19 | ONE | 19.621 | 253.3 | 81.8 | 36.6 | | | | | | | | | | |
| 43550.0 | 46470.0 | 0.592 | 171.2 | 3.6 | -0.07 | 1.406 | 68.0 | 0.958 | 20.129 | 45.0 | 162.5 | 0.845D | 39.413A | 0.80 | 0.234 | 163.3 | 169.1 | -54.5 | 0.268 |
| | | 13.01 | 6.03 | 19.05 | ONE | 19.621 | 253.3 | 81.8 | 37.1 | | | | | | | | | | |
| ARRIVAL DATE = 2446570.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46570.0 | 0.594 | 199.7 | -7.9 | 0.16 | 1.401 | 112.4 | 0.951 | 17.338 | 313.9 | 523.9 | 0.842 | 33.835A | 0.63 | 0.216 | 162.0 | 169.6 | -53.2 | 0.253 |
| | | 13.06 | 5.81 | 18.87 | TWO | 18.200 | 245.7 | 81.4 | 39.7 | | | | | | | | | | |
| 43470.0 | 46570.0 | 0.529 | 200.8 | -8.1 | 0.24 | 1.403 | 107.9 | 0.950 | 17.669 | 323.3 | 523.2 | 0.892 | 34.445A | 0.55 | 0.219 | 161.6 | 169.4 | -53.8 | 0.254 |
| | | 11.43 | 5.81 | 17.25 | TWO | 18.200 | 245.7 | 81.4 | 39.0 | | | | | | | | | | |
| 43480.0 | 46570.0 | 0.471 | 200.3 | -7.1 | 0.47 | 1.405 | 103.2 | 0.948 | 17.950 | 332.9 | 522.7 | 0.933 | 34.967A | 0.30 | 0.221 | 161.4 | 169.1 | -54.3 | 0.254 |
| | | 10.05 | 5.82 | 15.87 | TWO | 18.200 | 245.7 | 81.4 | 38.5 | | | | | | | | | | |
| 43490.0 | 46570.0 | 0.496 | 181.3 | -41.5 | -12.38 | 1.406 | 98.4 | 0.947 | 18.170 | 342.6 | 522.3 | 0.963 | 35.377A | 13.15 | 0.222 | 161.2 | 175.1 | -55.0 | 0.256 |
| | | 10.65 | 5.85 | 16.49 | ONE | 18.200 | 245.7 | 81.4 | 38.6 | | | | | | | | | | |
| 43500.0 | 46570.0 | 0.397 | 191.1 | -6.4 | -0.44 | 1.407 | 93.6 | 0.947 | 18.320 | 352.6 | 522.0 | 0.980 | 35.660A | 1.20 | 0.223 | 161.2 | 169.2 | -54.9 | 0.254 |
| | | 8.36 | 5.83 | 14.19 | ONE | 18.200 | 245.7 | 81.4 | 37.9 | | | | | | | | | | |
| 43510.0 | 46570.0 | 0.391 | 184.9 | -3.0 | -0.23 | 1.407 | 88.7 | 0.947 | 18.393 | 2.7 | 162.0 | 0.983D | 35.803A | 0.98 | 0.224 | 161.2 | 169.1 | -55.0 | 0.255 |
| | | 8.24 | 5.83 | 14.08 | ONE | 18.200 | 245.7 | 81.4 | 37.9 | | | | | | | | | | |
| 43520.0 | 46570.0 | 0.411 | 178.8 | -0.1 | -0.16 | 1.407 | 83.7 | 0.947 | 18.389 | 13.0 | 162.1 | 0.971D | 35.806A | 0.90 | 0.224 | 161.3 | 169.1 | -54.9 | 0.255 |
| | | 8.68 | 5.84 | 14.51 | ONE | 18.200 | 245.7 | 81.4 | 37.9 | | | | | | | | | | |
| 43530.0 | 46570.0 | 0.454 | 174.2 | 2.1 | -0.12 | 1.406 | 78.6 | 0.948 | 18.309 | 23.5 | 162.4 | 0.944D | 35.673A | 0.86 | 0.223 | 161.5 | 169.1 | -54.7 | 0.256 |
| | | 9.65 | 5.84 | 15.49 | ONE | 18.200 | 245.7 | 81.4 | 38.1 | | | | | | | | | | |
| 43540.0 | 46570.0 | 0.515 | 171.8 | 3.3 | -0.10 | 1.405 | 73.4 | 0.950 | 18.162 | 34.1 | 162.8 | 0.903D | 35.420A | 0.83 | 0.222 | 161.8 | 169.3 | -54.4 | 0.256 |
| | | 11.09 | 5.85 | 16.94 | ONE | 18.200 | 245.7 | 81.4 | 38.5 | | | | | | | | | | |
| 43550.0 | 46570.0 | 0.589 | 171.3 | 3.5 | -0.09 | 1.404 | 68.1 | 0.953 | 17.957 | 44.9 | 163.5 | 0.846D | 35.068A | 0.81 | 0.221 | 162.3 | 169.4 | -53.9 | 0.257 |
| | | 12.92 | 5.86 | 18.78 | ONE | 18.200 | 245.7 | 81.4 | 39.0 | | | | | | | | | | |
| ARRIVAL DATE = 2446670.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46670.0 | 0.593 | 199.8 | -7.9 | 0.19 | 1.399 | 112.5 | 0.947 | 15.936 | 313.7 | 524.9 | 0.841 | 31.031A | 0.61 | 0.204 | 160.9 | 169.9 | -52.4 | 0.243 |
| | | 13.03 | 5.66 | 18.70 | TWO | 18.877 | 239.0 | 80.8 | 41.6 | | | | | | | | | | |
| 43470.0 | 46670.0 | 0.528 | 201.0 | -8.1 | 0.27 | 1.401 | 107.9 | 0.945 | 16.195 | 323.2 | 524.2 | 0.892 | 31.499A | 0.52 | 0.207 | 160.6 | 169.6 | -53.1 | 0.244 |
| | | 11.41 | 5.66 | 17.07 | TWO | 18.877 | 239.0 | 80.8 | 40.9 | | | | | | | | | | |
| 43480.0 | 46670.0 | 0.470 | 200.5 | -7.0 | 0.50 | 1.403 | 103.2 | 0.943 | 16.415 | 332.8 | 523.7 | 0.933 | 31.897A | 0.27 | 0.209 | 160.3 | 169.3 | -53.6 | 0.244 |
| | | 10.02 | 5.67 | 15.69 | TWO | 18.877 | 239.0 | 80.8 | 40.4 | | | | | | | | | | |
| 43490.0 | 46670.0 | 0.446 | 205.7 | 12.4 | 6.75 | 1.404 | 98.5 | 0.942 | 16.586 | 342.5 | 523.3 | 0.962 | 32.209A | -5.98 | 0.210 | 160.1 | 166.2 | -53.4 | 0.244 |
| | | 9.47 | 5.68 | 15.14 | TWO | 18.877 | 239.0 | 80.8 | 40.2 | | | | | | | | | | |
| 43500.0 | 46670.0 | 0.395 | 191.0 | -7.0 | -0.59 | 1.405 | 93.6 | 0.941 | 16.701 | 352.5 | 523.1 | 0.980 | 32.422A | 1.35 | 0.211 | 160.1 | 169.6 | -54.2 | 0.244 |
| | | 8.33 | 5.67 | 14.00 | ONE | 18.877 | 239.0 | 80.8 | 39.8 | | | | | | | | | | |

1977
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 46670.0 | 0.389 | 185.0 | -3.3 | -0.29 | 1.405 | 88.7 | 0.941 | 16.756 | 2.6 | 163.0 | 0.983D | 32.529A | 1.04 | 0.212 | 160.1 | 169.4 | -54.3 | 0.245 |
| | | 8.20 | 5.68 | 13.88 | ONE | 18.877 | 239.0 | 80.8 | 39.7 | | | | | | | | | | |
| 43520.0 | 46670.0 | 0.409 | 178.9 | -0.2 | -0.19 | 1.405 | 83.7 | 0.942 | 16.750 | 12.9 | 163.1 | 0.971D | 32.529A | 0.93 | 0.211 | 160.2 | 169.4 | -54.2 | 0.245 |
| | | 8.63 | 5.68 | 14.31 | ONE | 18.877 | 239.0 | 80.8 | 39.8 | | | | | | | | | | |
| 43530.0 | 46670.0 | 0.451 | 174.3 | 2.0 | -0.15 | 1.404 | 78.7 | 0.943 | 16.685 | 23.3 | 163.4 | 0.945D | 32.426A | 0.88 | 0.211 | 160.4 | 169.5 | -54.0 | 0.245 |
| | | 9.59 | 5.69 | 15.27 | ONE | 18.877 | 239.0 | 80.8 | 40.0 | | | | | | | | | | |
| 43540.0 | 46670.0 | 0.512 | 171.9 | 3.1 | -0.13 | 1.403 | 73.5 | 0.945 | 16.567 | 34.0 | 163.9 | 0.904D | 32.231A | 0.85 | 0.210 | 160.7 | 169.6 | -53.7 | 0.246 |
| | | 11.01 | 5.70 | 16.71 | ONE | 18.877 | 239.0 | 80.8 | 40.4 | | | | | | | | | | |
| 43550.0 | 46670.0 | 0.585 | 171.4 | 3.4 | -0.11 | 1.402 | 68.3 | 0.948 | 16.404 | 44.7 | 164.5 | 0.848D | 31.959A | 0.82 | 0.208 | 161.2 | 169.7 | -53.2 | 0.247 |
| | | 12.83 | 5.71 | 18.53 | ONE | 18.877 | 239.0 | 80.8 | 40.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446770.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46770.0 | 0.593 | 200.1 | -8.0 | 0.21 | 1.398 | 112.5 | 0.944 | 14.875 | 313.5 | 525.8 | 0.840 | 28.910A | 0.59 | 0.193 | 159.8 | 170.2 | -51.7 | 0.234 |
| | | 13.03 | 5.53 | 18.56 | TWO | 20.145 | 233.1 | 80.2 | 43.6 | | | | | | | | | | |
| 43470.0 | 46770.0 | 0.527 | 201.2 | -8.1 | 0.29 | 1.400 | 107.9 | 0.941 | 15.086 | 323.0 | 525.2 | 0.891 | 29.282A | 0.49 | 0.195 | 159.4 | 169.9 | -52.3 | 0.234 |
| | | 11.39 | 5.53 | 16.93 | TWO | 20.145 | 233.1 | 80.2 | 42.9 | | | | | | | | | | |
| 43480.0 | 46770.0 | 0.469 | 200.7 | -7.1 | 0.53 | 1.401 | 103.3 | 0.939 | 15.264 | 332.6 | 524.7 | 0.932 | 29.596A | 0.25 | 0.197 | 159.1 | 169.6 | -52.8 | 0.235 |
| | | 10.00 | 5.53 | 15.54 | TWO | 20.145 | 233.1 | 80.2 | 42.4 | | | | | | | | | | |
| 43490.0 | 46770.0 | 0.428 | 201.3 | 2.3 | 3.22 | 1.402 | 98.5 | 0.938 | 15.402 | 342.4 | 524.3 | 0.962 | 29.841A | -2.45 | 0.198 | 159.0 | 168.1 | -53.0 | 0.235 |
| | | 9.05 | 5.54 | 14.59 | TWO | 20.145 | 233.1 | 80.2 | 42.0 | | | | | | | | | | |
| 43500.0 | 46770.0 | 0.394 | 191.0 | -7.8 | -0.78 | 1.403 | 93.7 | 0.937 | 15.494 | 352.3 | 524.1 | 0.979 | 30.008A | 1.54 | 0.199 | 158.9 | 170.0 | -53.5 | 0.235 |
| | | 8.30 | 5.54 | 13.84 | ONE | 20.145 | 233.1 | 80.2 | 41.7 | | | | | | | | | | |
| 43510.0 | 46770.0 | 0.387 | 185.1 | -3.6 | -0.35 | 1.403 | 88.8 | 0.937 | 15.537 | 2.4 | 164.1 | 0.983D | 30.092A | 1.10 | 0.200 | 158.9 | 169.8 | -53.6 | 0.235 |
| | | 8.16 | 5.54 | 13.71 | ONE | 20.145 | 233.1 | 80.2 | 41.6 | | | | | | | | | | |
| 43520.0 | 46770.0 | 0.406 | 179.1 | -0.5 | -0.23 | 1.403 | 83.8 | 0.937 | 15.531 | 12.7 | 164.2 | 0.972D | 30.091A | 0.97 | 0.200 | 159.0 | 169.7 | -53.5 | 0.235 |
| | | 8.58 | 5.55 | 14.12 | ONE | 20.145 | 233.1 | 80.2 | 41.7 | | | | | | | | | | |
| 43530.0 | 46770.0 | 0.448 | 174.5 | 1.8 | -0.18 | 1.403 | 78.8 | 0.939 | 15.477 | 23.2 | 164.4 | 0.946D | 30.008A | 0.90 | 0.199 | 159.2 | 169.8 | -53.3 | 0.236 |
| | | 9.52 | 5.55 | 15.08 | ONE | 20.145 | 233.1 | 80.2 | 41.9 | | | | | | | | | | |
| 43540.0 | 46770.0 | 0.508 | 172.1 | 3.0 | -0.15 | 1.402 | 73.6 | 0.941 | 15.379 | 33.8 | 164.8 | 0.905D | 29.854A | 0.86 | 0.198 | 159.6 | 169.9 | -52.9 | 0.237 |
| | | 10.94 | 5.56 | 16.50 | ONE | 20.145 | 233.1 | 80.2 | 42.3 | | | | | | | | | | |
| 43550.0 | 46770.0 | 0.581 | 171.6 | 3.3 | -0.13 | 1.400 | 68.4 | 0.944 | 15.244 | 44.5 | 165.4 | 0.850D | 29.638A | 0.83 | 0.197 | 160.1 | 170.0 | -52.5 | 0.237 |
| | | 12.73 | 5.57 | 18.30 | ONE | 20.145 | 233.1 | 80.2 | 42.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446870.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46870.0 | 0.593 | 200.3 | -8.0 | 0.23 | 1.396 | 112.6 | 0.940 | 14.050 | 313.2 | 526.7 | 0.838 | 27.261A | 0.57 | 0.182 | 158.6 | 170.5 | -50.9 | 0.226 |
| | | 13.04 | 5.42 | 18.45 | TWO | 19.204 | 227.9 | 79.4 | 45.6 | | | | | | | | | | |
| 43470.0 | 46870.0 | 0.527 | 201.5 | -8.2 | 0.32 | 1.398 | 108.0 | 0.937 | 14.226 | 322.7 | 526.1 | 0.890 | 27.563A | 0.47 | 0.184 | 158.2 | 170.2 | -51.5 | 0.226 |
| | | 11.39 | 5.41 | 16.81 | TWO | 19.204 | 227.9 | 79.4 | 44.9 | | | | | | | | | | |
| 43480.0 | 46870.0 | 0.469 | 201.0 | -7.1 | 0.55 | 1.400 | 103.4 | 0.935 | 14.375 | 332.3 | 525.7 | 0.931 | 27.818A | 0.22 | 0.186 | 157.9 | 169.9 | -52.0 | 0.226 |
| | | 10.00 | 5.41 | 15.41 | TWO | 19.204 | 227.9 | 79.4 | 44.3 | | | | | | | | | | |
| 43490.0 | 46870.0 | 0.425 | 200.4 | -0.5 | 2.31 | 1.401 | 98.6 | 0.934 | 14.489 | 342.1 | 525.3 | 0.962 | 28.016A | -1.54 | 0.188 | 157.7 | 168.9 | -52.3 | 0.226 |
| | | 8.98 | 5.42 | 14.40 | TWO | 19.204 | 227.9 | 79.4 | 43.9 | | | | | | | | | | |
| 43500.0 | 46870.0 | 0.393 | 191.0 | -8.7 | -1.04 | 1.402 | 93.8 | 0.933 | 14.565 | 352.1 | 525.1 | 0.979 | 28.151A | 1.80 | 0.189 | 157.7 | 170.5 | -52.8 | 0.226 |
| | | 8.28 | 5.42 | 13.70 | ONE | 19.204 | 227.9 | 79.4 | 43.7 | | | | | | | | | | |
| 43510.0 | 46870.0 | 0.386 | 185.3 | -4.0 | -0.43 | 1.402 | 88.9 | 0.933 | 14.600 | 2.2 | 165.0 | 0.983D | 28.218A | 1.17 | 0.189 | 157.7 | 170.1 | -52.8 | 0.227 |
| | | 8.13 | 5.42 | 13.55 | ONE | 19.204 | 227.9 | 79.4 | 43.6 | | | | | | | | | | |
| 43520.0 | 46870.0 | 0.404 | 179.3 | -0.7 | -0.28 | 1.402 | 84.0 | 0.933 | 14.594 | 12.5 | 165.1 | 0.972D | 28.217A | 1.01 | 0.189 | 157.8 | 170.0 | -52.8 | 0.227 |
| | | 8.53 | 5.42 | 13.96 | ONE | 19.204 | 227.9 | 79.4 | 43.6 | | | | | | | | | | |
| 43530.0 | 46870.0 | 0.446 | 174.8 | 1.6 | -0.21 | 1.401 | 78.9 | 0.935 | 14.548 | 22.9 | 165.4 | 0.947D | 28.150A | 0.93 | 0.188 | 158.0 | 170.1 | -52.6 | 0.227 |
| | | 9.46 | 5.43 | 14.89 | ONE | 19.204 | 227.9 | 79.4 | 43.9 | | | | | | | | | | |
| 43540.0 | 46870.0 | 0.505 | 172.3 | 2.8 | -0.17 | 1.400 | 73.8 | 0.937 | 14.465 | 33.5 | 165.8 | 0.906D | 28.024A | 0.88 | 0.187 | 158.4 | 170.2 | -52.2 | 0.228 |
| | | 10.86 | 5.44 | 16.30 | ONE | 19.204 | 227.9 | 79.4 | 44.2 | | | | | | | | | | |
| 43550.0 | 46870.0 | 0.577 | 171.8 | 3.2 | -0.15 | 1.399 | 68.6 | 0.941 | 14.350 | 44.2 | 166.3 | 0.852D | 27.849A | 0.84 | 0.186 | 158.9 | 170.3 | -51.7 | 0.229 |
| | | 12.63 | 5.45 | 18.08 | ONE | 19.204 | 227.9 | 79.4 | 44.7 | | | | | | | | | | |
| ARRIVAL DATE = 2446970.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 46970.0 | 0.594 | 200.6 | -8.1 | 0.25 | 1.395 | 112.7 | 0.938 | 13.393 | 312.9 | 527.6 | 0.837 | 25.949A | 0.55 | 0.172 | 157.3 | 170.8 | -50.0 | 0.219 |
| | | 13.06 | 5.31 | 18.37 | TWO | 18.200 | 223.5 | 78.6 | 47.6 | | | | | | | | | | |
| 43470.0 | 46970.0 | 0.528 | 201.8 | -8.2 | 0.34 | 1.397 | 108.1 | 0.934 | 13.544 | 322.4 | 527.0 | 0.889 | 26.200A | 0.45 | 0.174 | 156.9 | 170.5 | -50.7 | 0.218 |
| | | 11.41 | 5.31 | 16.72 | TWO | 18.200 | 223.5 | 78.6 | 46.9 | | | | | | | | | | |
| 43480.0 | 46970.0 | 0.469 | 201.4 | -7.2 | 0.57 | 1.398 | 103.5 | 0.932 | 13.671 | 332.1 | 526.6 | 0.930 | 26.411A | 0.21 | 0.176 | 156.6 | 170.2 | -51.2 | 0.218 |
| | | 10.00 | 5.31 | 15.31 | TWO | 18.200 | 223.5 | 78.6 | 46.3 | | | | | | | | | | |
| 43490.0 | 46970.0 | 0.423 | 200.3 | -1.9 | 1.89 | 1.400 | 98.7 | 0.930 | 13.768 | 341.9 | 526.2 | 0.961 | 26.575A | -1.13 | 0.177 | 156.4 | 169.4 | -51.5 | 0.218 |
| | | 8.95 | 5.31 | 14.26 | TWO | 18.200 | 223.5 | 78.6 | 45.9 | | | | | | | | | | |
| 43500.0 | 46970.0 | 0.393 | 190.9 | -10.1 | -1.40 | 1.400 | 93.9 | 0.929 | 13.832 | 351.9 | 526.0 | 0.979 | 26.686A | 2.15 | 0.178 | 156.4 | 171.0 | -52.0 | 0.218 |
| | | 8.28 | 5.31 | 13.59 | ONE | 18.200 | 223.5 | 78.6 | 45.7 | | | | | | | | | | |

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EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 46970.0 | 0.385<br>8.10 | 185.6<br>5.31 | -4.5<br>13.41 | -0.52<br>ONE | 1.401<br>18.200 | 89.0<br>223.5 | 0.929<br>78.6 | 13.862<br>45.6 | 2.0 | 165.9 | 0.983D | 26.742A | 1.26 | 0.179 | 156.4 | 170.5 | -52.1 | 0.219 |
| 43520.0 | 46970.0 | 0.402<br>8.49 | 179.6<br>5.32 | -1.1<br>13.80 | -0.32<br>ONE | 1.401<br>18.200 | 84.1<br>223.5 | 0.930<br>78.6 | 13.857<br>45.6 | 12.3 | 166.0 | 0.973D | 26.741A | 1.05 | 0.179 | 156.5 | 170.4 | -52.0 | 0.219 |
| 43530.0 | 46970.0 | 0.443<br>9.40 | 175.0<br>5.32 | 1.3<br>14.72 | -0.24<br>ONE | 1.400<br>18.200 | 79.1<br>223.5 | 0.931<br>78.6 | 13.817<br>45.8 | 22.7 | 166.3 | 0.947D | 26.686A | 0.95 | 0.178 | 156.7 | 170.4 | -51.8 | 0.219 |
| 43540.0 | 46970.0 | 0.502<br>10.77 | 172.6<br>5.33 | 2.6<br>16.11 | -0.20<br>ONE | 1.399<br>18.200 | 74.0<br>223.5 | 0.934<br>78.6 | 13.745<br>46.2 | 33.2 | 166.6 | 0.908D | 26.582A | 0.89 | 0.177 | 157.1 | 170.5 | -51.4 | 0.220 |
| 43550.0 | 46970.0 | 0.573<br>12.53 | 172.1<br>5.34 | 3.0<br>17.87 | -0.17<br>ONE | 1.398<br>18.200 | 68.8<br>223.5 | 0.937<br>78.6 | 13.646<br>46.7 | 43.8 | 167.1 | 0.854D | 26.438A | 0.85 | 0.176 | 157.6 | 170.6 | -50.9 | 0.221 |
| ARRIVAL DATE = 2447070.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47070.0 | 0.596<br>13.09 | 200.9<br>5.22 | -8.2<br>18.31 | 0.27<br>TWO | 1.394<br>19.457 | 112.9<br>219.6 | 0.935<br>77.8 | 12.862<br>49.6 | 312.5 | 528.4 | 0.835 | 24.889A | 0.54 | 0.162 | 155.9 | 171.0 | -49.2 | 0.212 |
| 43470.0 | 47070.0 | 0.529<br>11.43 | 202.1<br>5.22 | -8.3<br>16.65 | 0.36<br>TWO | 1.396<br>19.457 | 108.3<br>219.6 | 0.932<br>77.8 | 12.993<br>48.9 | 322.1 | 527.9 | 0.887 | 25.099A | 0.43 | 0.164 | 155.6 | 170.8 | -49.9 | 0.212 |
| 43480.0 | 47070.0 | 0.469<br>10.01 | 201.8<br>5.21 | -7.3<br>15.23 | 0.59<br>TWO | 1.397<br>19.457 | 103.6<br>219.6 | 0.929<br>77.8 | 13.103<br>48.4 | 331.8 | 527.4 | 0.929 | 25.277A | 0.19 | 0.166 | 155.3 | 170.5 | -50.4 | 0.211 |
| 43490.0 | 47070.0 | 0.423<br>8.94 | 200.4<br>5.21 | -2.8<br>14.16 | 1.65<br>TWO | 1.398<br>19.457 | 98.9<br>219.6 | 0.927<br>77.8 | 13.188<br>47.9 | 341.6 | 527.1 | 0.960 | 25.415A | -0.89 | 0.168 | 155.1 | 169.8 | -50.7 | 0.211 |
| 43500.0 | 47070.0 | 0.393<br>8.29 | 190.6<br>5.21 | -12.0<br>13.50 | -1.94<br>ONE | 1.399<br>19.457 | 94.0<br>219.6 | 0.926<br>77.8 | 13.244<br>47.7 | 351.6 | 526.9 | 0.979 | 25.509A | 2.69 | 0.169 | 155.0 | 171.6 | -51.2 | 0.211 |
| 43510.0 | 47070.0 | 0.383<br>8.07 | 185.9<br>5.22 | -5.0<br>13.29 | -0.62<br>ONE | 1.400<br>19.457 | 89.2<br>219.6 | 0.926<br>77.8 | 13.269<br>47.6 | 1.7 | 166.8 | 0.983D | 25.555A | 1.35 | 0.169 | 155.0 | 170.8 | -51.3 | 0.211 |
| 43520.0 | 47070.0 | 0.400<br>8.44 | 180.0<br>5.22 | -1.4<br>13.66 | -0.37<br>ONE | 1.399<br>19.457 | 84.2<br>219.6 | 0.927<br>77.8 | 13.264<br>47.6 | 12.0 | 166.9 | 0.973D | 25.555A | 1.10 | 0.169 | 155.1 | 170.7 | -51.2 | 0.212 |
| 43530.0 | 47070.0 | 0.440<br>9.33 | 175.4<br>5.23 | 1.1<br>14.56 | -0.27<br>ONE | 1.399<br>19.457 | 79.2<br>219.6 | 0.928<br>77.8 | 13.229<br>47.8 | 22.4 | 167.1 | 0.949D | 25.510A | 0.98 | 0.169 | 155.3 | 170.7 | -51.0 | 0.212 |
| 43540.0 | 47070.0 | 0.498<br>10.69 | 172.9<br>5.23 | 2.4<br>15.93 | -0.22<br>ONE | 1.398<br>19.457 | 74.2<br>219.6 | 0.931<br>77.8 | 13.166<br>48.2 | 32.9 | 167.4 | 0.909D | 25.423A | 0.91 | 0.168 | 155.7 | 170.8 | -50.6 | 0.213 |
| 43550.0 | 47070.0 | 0.569<br>12.42 | 172.4<br>5.25 | 2.8<br>17.67 | -0.19<br>ONE | 1.396<br>19.457 | 69.0<br>219.6 | 0.935<br>77.8 | 13.079<br>48.7 | 43.5 | 167.9 | 0.856D | 25.302A | 0.87 | 0.166 | 156.2 | 170.9 | -50.1 | 0.214 |
| 43560.0 | 47070.0 | 0.649<br>14.45 | 173.5<br>5.26 | 2.4<br>19.72 | -0.17<br>ONE | 1.395<br>19.457 | 63.8<br>219.6 | 0.939<br>77.8 | 12.972<br>49.3 | 54.2 | 168.5 | 0.790D | 25.154A | 0.83 | 0.164 | 156.9 | 171.1 | -49.5 | 0.215 |
| ARRIVAL DATE = 2447170.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47170.0 | 0.597<br>13.13 | 201.3<br>5.14 | -8.3<br>18.28 | 0.29<br>TWO | 1.393<br>20.166 | 113.0<br>216.3 | 0.933<br>76.8 | 12.426<br>51.7 | 312.1 | 529.2 | 0.833 | 24.019A | 0.52 | 0.153 | 154.5 | 171.3 | -48.3 | 0.206 |
| 43470.0 | 47170.0 | 0.530<br>11.46 | 202.5<br>5.13 | -8.4<br>16.60 | 0.38<br>TWO | 1.395<br>20.166 | 108.4<br>216.3 | 0.929<br>76.8 | 12.542<br>51.0 | 321.7 | 528.7 | 0.885 | 24.199A | 0.41 | 0.156 | 154.1 | 171.1 | -49.0 | 0.205 |
| 43480.0 | 47170.0 | 0.470<br>10.03 | 202.2<br>5.13 | -7.4<br>15.16 | 0.60<br>TWO | 1.396<br>20.166 | 103.7<br>216.3 | 0.927<br>76.8 | 12.639<br>50.4 | 331.4 | 528.2 | 0.928 | 24.350A | 0.18 | 0.157 | 153.8 | 170.8 | -49.5 | 0.205 |
| 43490.0 | 47170.0 | 0.423<br>8.95 | 200.7<br>5.13 | -3.4<br>14.08 | 1.50<br>TWO | 1.397<br>20.166 | 99.0<br>216.3 | 0.925<br>76.8 | 12.714<br>50.0 | 341.3 | 527.9 | 0.959 | 24.468A | -0.73 | 0.159 | 153.6 | 170.1 | -49.9 | 0.205 |
| 43500.0 | 47170.0 | 0.395<br>8.33 | 189.9<br>5.13 | -15.2<br>13.46 | -2.83<br>ONE | 1.398<br>20.166 | 94.2<br>216.3 | 0.923<br>76.8 | 12.763<br>49.7 | 351.2 | 527.7 | 0.978 | 24.548A | 3.57 | 0.160 | 153.5 | 172.3 | -50.4 | 0.205 |
| 43510.0 | 47170.0 | 0.382<br>8.05 | 186.3<br>5.13 | -5.6<br>13.18 | -0.73<br>ONE | 1.398<br>20.166 | 89.3<br>216.3 | 0.923<br>76.8 | 12.786<br>49.6 | 1.4 | 167.7 | 0.983D | 24.588A | 1.46 | 0.160 | 153.5 | 171.2 | -50.4 | 0.205 |
| 43520.0 | 47170.0 | 0.398<br>8.40 | 180.4<br>5.13 | -1.8<br>13.53 | -0.43<br>ONE | 1.398<br>20.166 | 84.4<br>216.3 | 0.924<br>76.8 | 12.781<br>49.6 | 11.6 | 167.7 | 0.974D | 24.588A | 1.15 | 0.160 | 153.7 | 171.0 | -50.4 | 0.205 |
| 43530.0 | 47170.0 | 0.437<br>9.27 | 175.8<br>5.14 | 0.8<br>14.41 | -0.31<br>ONE | 1.398<br>20.166 | 79.4<br>216.3 | 0.926<br>76.8 | 12.750<br>49.8 | 22.0 | 167.9 | 0.950D | 24.550A | 1.01 | 0.160 | 153.9 | 171.0 | -50.2 | 0.206 |
| 43540.0 | 47170.0 | 0.495<br>10.61 | 173.3<br>5.15 | 2.2<br>15.75 | -0.25<br>ONE | 1.397<br>20.166 | 74.4<br>216.3 | 0.928<br>76.8 | 12.694<br>50.2 | 32.5 | 168.2 | 0.911D | 24.477A | 0.93 | 0.159 | 154.3 | 171.1 | -49.8 | 0.206 |
| 43550.0 | 47170.0 | 0.565<br>12.32 | 172.7<br>5.16 | 2.6<br>17.48 | -0.21<br>ONE | 1.395<br>20.166 | 69.3<br>216.3 | 0.932<br>76.8 | 12.617<br>50.7 | 43.1 | 168.7 | 0.859D | 24.375A | 0.88 | 0.157 | 154.8 | 171.2 | -49.3 | 0.207 |
| 43560.0 | 47170.0 | 0.644<br>14.32 | 173.8<br>5.18 | 2.3<br>19.50 | -0.19<br>ONE | 1.394<br>20.166 | 64.1<br>216.3 | 0.937<br>76.8 | 12.522<br>51.3 | 53.7 | 169.2 | 0.794D | 24.250A | 0.84 | 0.155 | 155.5 | 171.3 | -48.7 | 0.209 |
| ARRIVAL DATE = 2447270.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47270.0 | 0.599<br>13.19 | 201.6<br>5.07 | -8.4<br>18.26 | 0.31<br>TWO | 1.392<br>18.777 | 113.2<br>213.5 | 0.931<br>75.9 | 12.064<br>53.8 | 311.7 | 529.9 | 0.830 | 23.299A | 0.51 | 0.145 | 153.0 | 171.6 | -47.4 | 0.200 |
| 43470.0 | 47270.0 | 0.532<br>11.50 | 202.9<br>5.06 | -8.5<br>16.57 | 0.40<br>TWO | 1.394<br>18.777 | 108.6<br>213.5 | 0.927<br>75.9 | 12.168<br>53.0 | 321.3 | 529.4 | 0.883 | 23.453A | 0.40 | 0.147 | 152.6 | 171.3 | -48.1 | 0.199 |
| 43480.0 | 47270.0 | 0.472<br>10.06 | 202.7<br>5.06 | -7.6<br>15.12 | 0.61<br>TWO | 1.395<br>18.777 | 103.9<br>213.5 | 0.924<br>75.9 | 12.255<br>52.5 | 331.0 | 529.0 | 0.927 | 23.583A | 0.17 | 0.149 | 152.3 | 171.0 | -48.7 | 0.199 |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 47270.0 | 0.424 | 201.0 | -4.0 | 1.39 | 1.397 | 99.2 | 0.922 | 12.322 | 340.9 | 528.7 | 0.958 | 23.685A | -0.62 | 0.151 | 152.1 | 170.5 | -49.0 | 0.199 |
| | | 8.96 | 5.05 | 14.01 | TWO | 18.777 | 213.5 | 75.9 | 52.0 | | | | | | | | | | |
| 43500.0 | 47270.0 | 0.402 | 188.0 | -21.0 | -4.58 | 1.397 | 94.4 | 0.921 | 12.366 | 350.9 | 528.5 | 0.978 | 23.754A | 5.33 | 0.151 | 152.0 | 173.6 | -49.7 | 0.199 |
| | | 8.48 | 5.06 | 13.54 | ONE | 18.777 | 213.5 | 75.9 | 51.8 | | | | | | | | | | |
| 43510.0 | 47270.0 | 0.381 | 186.7 | -6.4 | -0.87 | 1.398 | 89.5 | 0.921 | 12.386 | 1.0 | 168.4 | 0.983D | 23.789A | 1.60 | 0.152 | 152.0 | 171.5 | -49.6 | 0.199 |
| | | 8.03 | 5.05 | 13.09 | ONE | 18.777 | 213.5 | 75.9 | 51.6 | | | | | | | | | | |
| 43520.0 | 47270.0 | 0.396 | 180.9 | -2.3 | -0.49 | 1.397 | 84.6 | 0.921 | 12.382 | 11.2 | 168.5 | 0.974D | 23.790A | 1.20 | 0.152 | 152.1 | 171.3 | -49.5 | 0.199 |
| | | 8.35 | 5.06 | 13.41 | ONE | 18.777 | 213.5 | 75.9 | 51.6 | | | | | | | | | | |
| 43530.0 | 47270.0 | 0.435 | 176.3 | 0.4 | -0.35 | 1.397 | 79.6 | 0.923 | 12.355 | 21.6 | 168.7 | 0.951D | 23.758A | 1.04 | 0.151 | 152.3 | 171.3 | -49.3 | 0.200 |
| | | 9.21 | 5.06 | 14.27 | ONE | 18.777 | 213.5 | 75.9 | 51.8 | | | | | | | | | | |
| 43540.0 | 47270.0 | 0.491 | 173.7 | 1.9 | -0.28 | 1.396 | 74.6 | 0.926 | 12.305 | 32.1 | 169.0 | 0.913D | 23.696A | 0.95 | 0.150 | 152.7 | 171.4 | -49.0 | 0.200 |
| | | 10.52 | 5.07 | 15.59 | ONE | 18.777 | 213.5 | 75.9 | 52.2 | | | | | | | | | | |
| 43550.0 | 47270.0 | 0.561 | 173.1 | 2.4 | -0.24 | 1.395 | 69.5 | 0.930 | 12.235 | 42.6 | 169.4 | 0.861D | 23.609A | 0.89 | 0.149 | 153.2 | 171.5 | -48.5 | 0.201 |
| | | 12.21 | 5.09 | 17.30 | ONE | 18.777 | 213.5 | 75.9 | 52.7 | | | | | | | | | | |
| 43560.0 | 47270.0 | 0.639 | 174.1 | 2.1 | -0.21 | 1.393 | 64.4 | 0.934 | 12.150 | 53.2 | 169.9 | 0.797D | 23.502A | 0.84 | 0.147 | 153.9 | 171.6 | -47.8 | 0.203 |
| | | 14.20 | 5.10 | 19.30 | ONE | 18.777 | 213.5 | 75.9 | 53.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447370.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47370.0 | 0.602 | 202.0 | -8.5 | 0.32 | 1.391 | 113.4 | 0.930 | 11.762 | 311.3 | 530.6 | 0.827 | 22.696A | 0.50 | 0.137 | 151.4 | 171.9 | -46.5 | 0.195 |
| | | 13.25 | 5.01 | 18.26 | TWO | 18.462 | 210.9 | 74.9 | 55.9 | | | | | | | | | | |
| 43470.0 | 47370.0 | 0.534 | 203.4 | -8.7 | 0.42 | 1.393 | 108.8 | 0.926 | 11.856 | 320.9 | 530.1 | 0.881 | 22.830A | 0.38 | 0.139 | 151.0 | 171.6 | -47.2 | 0.194 |
| | | 11.56 | 5.00 | 16.55 | TWO | 18.462 | 210.9 | 74.9 | 55.1 | | | | | | | | | | |
| 43480.0 | 47370.0 | 0.473 | 203.2 | -7.8 | 0.62 | 1.395 | 104.1 | 0.922 | 11.934 | 330.6 | 529.8 | 0.925 | 22.943A | 0.16 | 0.141 | 150.7 | 171.3 | -47.8 | 0.194 |
| | | 10.10 | 4.99 | 15.09 | TWO | 18.462 | 210.9 | 74.9 | 54.5 | | | | | | | | | | |
| 43490.0 | 47370.0 | 0.424 | 201.5 | -4.5 | 1.31 | 1.396 | 99.4 | 0.920 | 11.995 | 340.5 | 529.5 | 0.957 | 23.032A | -0.54 | 0.143 | 150.5 | 170.8 | -48.2 | 0.193 |
| | | 8.98 | 4.99 | 13.96 | TWO | 18.462 | 210.9 | 74.9 | 54.1 | | | | | | | | | | |
| 43500.0 | 47370.0 | 0.439 | 181.1 | -36.0 | -9.69 | 1.396 | 94.6 | 0.919 | 12.035 | 350.5 | 529.3 | 0.977 | 23.092A | 10.43 | 0.144 | 150.4 | 176.7 | -48.9 | 0.195 |
| | | 9.31 | 5.00 | 14.32 | ONE | 18.462 | 210.9 | 74.9 | 54.1 | | | | | | | | | | |
| 43510.0 | 47370.0 | 0.381 | 187.1 | -7.2 | -1.03 | 1.397 | 89.7 | 0.918 | 12.053 | 0.6 | 169.2 | 0.983D | 23.123A | 1.76 | 0.144 | 150.4 | 171.9 | -48.7 | 0.193 |
| | | 8.02 | 4.99 | 13.00 | ONE | 18.462 | 210.9 | 74.9 | 53.7 | | | | | | | | | | |
| 43520.0 | 47370.0 | 0.394 | 181.4 | -2.7 | -0.55 | 1.397 | 84.8 | 0.919 | 12.050 | 10.8 | 169.3 | 0.975D | 23.125A | 1.26 | 0.144 | 150.5 | 171.7 | -48.7 | 0.194 |
| | | 8.31 | 4.99 | 13.30 | ONE | 18.462 | 210.9 | 74.9 | 53.7 | | | | | | | | | | |
| 43530.0 | 47370.0 | 0.432 | 176.7 | 0.1 | -0.39 | 1.396 | 79.9 | 0.921 | 12.025 | 21.2 | 169.4 | 0.952D | 23.098A | 1.08 | 0.143 | 150.7 | 171.6 | -48.5 | 0.194 |
| | | 9.14 | 5.00 | 14.14 | ONE | 18.462 | 210.9 | 74.9 | 53.9 | | | | | | | | | | |
| 43540.0 | 47370.0 | 0.487 | 174.1 | 1.6 | -0.31 | 1.395 | 74.8 | 0.924 | 11.980 | 31.6 | 169.7 | 0.915D | 23.045A | 0.97 | 0.142 | 151.1 | 171.6 | -48.1 | 0.195 |
| | | 10.43 | 5.00 | 15.44 | ONE | 18.462 | 210.9 | 74.9 | 54.2 | | | | | | | | | | |
| 43550.0 | 47370.0 | 0.556 | 173.5 | 2.2 | -0.26 | 1.394 | 69.8 | 0.927 | 11.917 | 42.1 | 170.1 | 0.864D | 22.970A | 0.90 | 0.141 | 151.6 | 171.7 | -47.6 | 0.196 |
| | | 12.10 | 5.02 | 17.12 | ONE | 18.462 | 210.9 | 74.9 | 54.7 | | | | | | | | | | |
| 43560.0 | 47370.0 | 0.634 | 174.5 | 1.9 | -0.23 | 1.392 | 64.6 | 0.932 | 11.839 | 52.7 | 170.6 | 0.801D | 22.878A | 0.85 | 0.139 | 152.3 | 171.9 | -47.0 | 0.197 |
| | | 14.07 | 5.04 | 19.10 | ONE | 18.462 | 210.9 | 74.9 | 55.4 | | | | | | | | | | |
| ARRIVAL DATE = 2447470.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47470.0 | 0.605 | 202.4 | -8.6 | 0.34 | 1.391 | 113.6 | 0.928 | 11.507 | 310.8 | 531.3 | 0.824 | 22.189A | 0.48 | 0.129 | 149.7 | 172.1 | -45.6 | 0.190 |
| | | 13.33 | 4.95 | 18.27 | TWO | 19.974 | 208.7 | 73.9 | 58.0 | | | | | | | | | | |
| 43470.0 | 47470.0 | 0.536 | 203.8 | -8.8 | 0.43 | 1.392 | 109.0 | 0.924 | 11.593 | 320.4 | 530.8 | 0.879 | 22.306A | 0.37 | 0.132 | 149.2 | 171.9 | -46.3 | 0.189 |
| | | 11.62 | 4.94 | 16.55 | TWO | 19.974 | 208.7 | 73.9 | 57.2 | | | | | | | | | | |
| 43480.0 | 47470.0 | 0.475 | 203.7 | -8.0 | 0.63 | 1.394 | 104.3 | 0.921 | 11.664 | 330.2 | 530.5 | 0.923 | 22.405A | 0.15 | 0.134 | 148.9 | 171.6 | -46.9 | 0.189 |
| | | 10.14 | 4.93 | 15.08 | TWO | 19.974 | 208.7 | 73.9 | 56.6 | | | | | | | | | | |
| 43490.0 | 47470.0 | 0.425 | 202.0 | -4.9 | 1.24 | 1.395 | 99.6 | 0.918 | 11.719 | 340.0 | 530.2 | 0.956 | 22.483A | -0.48 | 0.135 | 148.7 | 171.1 | -47.3 | 0.188 |
| | | 9.00 | 4.93 | 13.93 | TWO | 19.974 | 208.7 | 73.9 | 56.1 | | | | | | | | | | |
| 43510.0 | 47470.0 | 0.380 | 187.5 | -8.2 | -1.23 | 1.396 | 89.9 | 0.916 | 11.774 | 0.2 | 169.9 | 0.983D | 22.564A | 1.96 | 0.137 | 148.6 | 172.3 | -47.9 | 0.188 |
| | | 8.01 | 4.93 | 12.93 | ONE | 19.974 | 208.7 | 73.9 | 55.7 | | | | | | | | | | |
| 43520.0 | 47470.0 | 0.393 | 182.0 | -3.3 | -0.63 | 1.396 | 85.0 | 0.917 | 11.771 | 10.4 | 170.0 | 0.976D | 22.566A | 1.33 | 0.137 | 148.8 | 172.0 | -47.8 | 0.189 |
| | | 8.27 | 4.93 | 13.20 | ONE | 19.974 | 208.7 | 73.9 | 55.7 | | | | | | | | | | |
| 43530.0 | 47470.0 | 0.429 | 177.3 | -0.3 | -0.43 | 1.395 | 80.1 | 0.919 | 11.748 | 20.7 | 170.1 | 0.954D | 22.543A | 1.11 | 0.136 | 149.0 | 171.9 | -47.6 | 0.189 |
| | | 9.08 | 4.93 | 14.01 | ONE | 19.974 | 208.7 | 73.9 | 55.9 | | | | | | | | | | |
| 43540.0 | 47470.0 | 0.484 | 174.6 | 1.3 | -0.34 | 1.394 | 75.1 | 0.922 | 11.708 | 31.1 | 170.4 | 0.917D | 22.498A | 1.00 | 0.135 | 149.4 | 171.9 | -47.3 | 0.190 |
| | | 10.34 | 4.94 | 15.29 | ONE | 19.974 | 208.7 | 73.9 | 56.3 | | | | | | | | | | |
| 43550.0 | 47470.0 | 0.552 | 173.9 | 1.9 | -0.28 | 1.393 | 70.0 | 0.926 | 11.650 | 41.6 | 170.7 | 0.867D | 22.434A | 0.92 | 0.133 | 149.9 | 172.0 | -46.8 | 0.191 |
| | | 11.99 | 4.96 | 16.95 | ONE | 19.974 | 208.7 | 73.9 | 56.8 | | | | | | | | | | |
| 43560.0 | 47470.0 | 0.629 | 174.9 | 1.7 | -0.25 | 1.391 | 64.9 | 0.931 | 11.579 | 52.2 | 171.2 | 0.804D | 22.354A | 0.86 | 0.131 | 150.6 | 172.1 | -46.2 | 0.192 |
| | | 13.94 | 4.98 | 18.91 | ONE | 19.974 | 208.7 | 73.9 | 57.4 | | | | | | | | | | |
| ARRIVAL DATE = 2447570.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47570.0 | 0.608 | 202.8 | -8.8 | 0.35 | 1.390 | 113.9 | 0.927 | 11.291 | 310.3 | 531.9 | 0.821 | 21.761A | 0.47 | 0.122 | 147.8 | 172.4 | -44.6 | 0.186 |
| | | 13.41 | 4.90 | 18.31 | TWO | 19.943 | 206.8 | 72.9 | 60.1 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43470.0 | 47570.0 | 0.539 | 204.3 | -9.0 | 0.45 | 1.392 | 109.2 | 0.923 | 11.370 | 319.9 | 531.5 | 0.876 | 21.863A | 0.36 | 0.125 | 147.4 | 172.1 | -45.4 | 0.185 |
| | | 11.68 | 4.89 | 16.57 | TWO | 19.943 | 206.8 | 72.9 | 59.3 | | | | | | | | | | |
| 43480.0 | 47570.0 | 0.477 | 204.2 | -8.2 | 0.64 | 1.393 | 104.5 | 0.919 | 11.436 | 329.7 | 531.1 | 0.921 | 21.950A | 0.14 | 0.127 | 147.1 | 171.8 | -46.0 | 0.185 |
| | | 10.19 | 4.88 | 15.07 | TWO | 19.943 | 206.8 | 72.9 | 58.7 | | | | | | | | | | |
| 43490.0 | 47570.0 | 0.427 | 202.6 | -5.3 | 1.19 | 1.394 | 99.8 | 0.917 | 11.487 | 339.6 | 530.9 | 0.955 | 22.018A | -0.43 | 0.128 | 146.9 | 171.4 | -46.4 | 0.184 |
| | | 9.03 | 4.88 | 13.91 | TWO | 19.943 | 206.8 | 72.9 | 58.2 | | | | | | | | | | |
| 43500.0 | 47570.0 | 0.462 | 213.0 | 27.5 | 11.80 | 1.395 | 95.0 | 0.915 | 11.521 | 349.6 | 530.7 | 0.976 | 22.066A | -11.06 | 0.129 | 146.8 | 165.7 | -45.5 | 0.185 |
| | | 9.83 | 4.89 | 14.72 | TWO | 19.943 | 206.8 | 72.9 | 58.2 | | | | | | | | | | |
| 43510.0 | 47570.0 | 0.380 | 187.9 | -9.4 | -1.48 | 1.395 | 90.1 | 0.915 | 11.537 | 359.7 | 530.6 | 0.983 | 22.091A | 2.20 | 0.130 | 146.8 | 172.7 | -47.0 | 0.184 |
| | | 8.00 | 4.87 | 12.87 | ONE | 19.943 | 206.8 | 72.9 | 57.8 | | | | | | | | | | |
| 43520.0 | 47570.0 | 0.391 | 182.6 | -3.9 | -0.71 | 1.395 | 85.3 | 0.915 | 11.535 | 9.9 | 170.7 | 0.976D | 22.093A | 1.41 | 0.130 | 146.9 | 172.3 | -46.9 | 0.184 |
| | | 8.24 | 4.88 | 13.11 | ONE | 19.943 | 206.8 | 72.9 | 57.8 | | | | | | | | | | |
| 43530.0 | 47570.0 | 0.426 | 177.9 | -0.7 | -0.48 | 1.395 | 80.3 | 0.917 | 11.515 | 20.2 | 170.8 | 0.955D | 22.074A | 1.15 | 0.129 | 147.2 | 172.2 | -46.8 | 0.185 |
| | | 9.01 | 4.88 | 13.89 | ONE | 19.943 | 206.8 | 72.9 | 58.0 | | | | | | | | | | |
| 43540.0 | 47570.0 | 0.480 | 175.1 | 1.0 | -0.37 | 1.394 | 75.3 | 0.920 | 11.477 | 30.6 | 171.0 | 0.919D | 22.036A | 1.02 | 0.128 | 147.5 | 172.2 | -46.4 | 0.185 |
| | | 10.25 | 4.89 | 15.15 | ONE | 19.943 | 206.8 | 72.9 | 58.3 | | | | | | | | | | |
| 43550.0 | 47570.0 | 0.547 | 174.3 | 1.6 | -0.31 | 1.393 | 70.3 | 0.924 | 11.425 | 41.1 | 171.4 | 0.870D | 21.980A | 0.93 | 0.126 | 148.0 | 172.3 | -45.9 | 0.187 |
| | | 11.88 | 4.90 | 16.78 | ONE | 19.943 | 206.8 | 72.9 | 58.8 | | | | | | | | | | |
| 43560.0 | 47570.0 | 0.624 | 175.3 | 1.5 | -0.27 | 1.391 | 65.2 | 0.929 | 11.359 | 51.6 | 171.8 | 0.808D | 21.910A | 0.87 | 0.124 | 148.7 | 172.4 | -45.3 | 0.188 |
| | | 13.80 | 4.92 | 18.73 | ONE | 19.943 | 206.8 | 72.9 | 59.4 | | | | | | | | | | |

ARRIVAL DATE = 2447670.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43460.0 | 47670.0 | 0.611 | 203.3 | -8.9 | 0.37 | 1.390 | 114.1 | 0.926 | 11.107 | 309.7 | 532.5 | 0.818 | 21.397A | 0.46 | 0.116 | 145.9 | 172.6 | -43.7 | 0.182 |
| | | 13.49 | 4.86 | 18.35 | TWO | 18.474 | 205.0 | 71.9 | 62.1 | | | | | | | | | | |
| 43470.0 | 47670.0 | 0.542 | 204.8 | -9.1 | 0.46 | 1.391 | 109.4 | 0.922 | 11.180 | 319.4 | 532.1 | 0.873 | 21.487A | 0.34 | 0.118 | 145.5 | 172.4 | -44.5 | 0.181 |
| | | 11.76 | 4.84 | 16.60 | TWO | 18.474 | 205.0 | 71.9 | 61.4 | | | | | | | | | | |
| 43480.0 | 47670.0 | 0.480 | 204.8 | -8.4 | 0.65 | 1.393 | 104.7 | 0.918 | 11.241 | 329.2 | 531.8 | 0.919 | 21.564A | 0.13 | 0.120 | 145.2 | 172.1 | -45.1 | 0.181 |
| | | 10.25 | 4.84 | 15.09 | TWO | 18.474 | 205.0 | 71.9 | 60.8 | | | | | | | | | | |
| 43490.0 | 47670.0 | 0.429 | 203.2 | -5.7 | 1.15 | 1.394 | 100.0 | 0.916 | 11.289 | 339.1 | 531.5 | 0.953 | 21.624A | -0.39 | 0.122 | 145.0 | 171.7 | -45.5 | 0.180 |
| | | 9.07 | 4.83 | 13.90 | TWO | 18.474 | 205.0 | 71.9 | 60.3 | | | | | | | | | | |
| 43500.0 | 47670.0 | 0.413 | 205.7 | 12.4 | 6.25 | 1.395 | 95.2 | 0.914 | 11.321 | 349.1 | 531.4 | 0.975 | 21.666A | -5.51 | 0.123 | 144.9 | 168.8 | -45.3 | 0.180 |
| | | 8.72 | 4.83 | 13.55 | TWO | 18.474 | 205.0 | 71.9 | 60.0 | | | | | | | | | | |
| 43510.0 | 47670.0 | 0.380 | 188.2 | -10.8 | -1.81 | 1.395 | 90.4 | 0.913 | 11.336 | 359.2 | 531.3 | 0.983 | 21.689A | 2.52 | 0.123 | 144.9 | 173.2 | -46.2 | 0.180 |
| | | 8.00 | 4.83 | 12.83 | ONE | 18.474 | 205.0 | 71.9 | 59.8 | | | | | | | | | | |
| 43520.0 | 47670.0 | 0.389 | 183.2 | -4.5 | -0.80 | 1.395 | 85.5 | 0.914 | 11.335 | 9.4 | 171.3 | 0.977D | 21.692A | 1.49 | 0.123 | 145.0 | 172.6 | -46.1 | 0.180 |
| | | 8.20 | 4.83 | 13.03 | ONE | 18.474 | 205.0 | 71.9 | 59.8 | | | | | | | | | | |
| 43530.0 | 47670.0 | 0.423 | 178.5 | -1.2 | -0.52 | 1.394 | 80.6 | 0.915 | 11.316 | 19.7 | 171.4 | 0.957D | 21.676A | 1.19 | 0.123 | 145.2 | 172.5 | -45.9 | 0.180 |
| | | 8.95 | 4.83 | 13.78 | ONE | 18.474 | 205.0 | 71.9 | 60.0 | | | | | | | | | | |
| 43540.0 | 47670.0 | 0.476 | 175.6 | 0.7 | -0.40 | 1.393 | 75.6 | 0.918 | 11.282 | 30.1 | 171.6 | 0.922D | 21.643A | 1.05 | 0.122 | 145.6 | 172.5 | -45.6 | 0.181 |
| | | 10.16 | 4.84 | 15.01 | ONE | 18.474 | 205.0 | 71.9 | 60.3 | | | | | | | | | | |
| 43550.0 | 47670.0 | 0.543 | 174.8 | 1.4 | -0.33 | 1.392 | 70.6 | 0.922 | 11.234 | 40.5 | 172.0 | 0.873D | 21.594A | 0.95 | 0.120 | 146.1 | 172.5 | -45.1 | 0.182 |
| | | 11.77 | 4.86 | 16.62 | ONE | 18.474 | 205.0 | 71.9 | 60.8 | | | | | | | | | | |
| 43560.0 | 47670.0 | 0.618 | 175.7 | 1.2 | -0.29 | 1.390 | 65.5 | 0.927 | 11.173 | 51.0 | 172.3 | 0.812D | 21.534A | 0.88 | 0.118 | 146.7 | 172.6 | -44.5 | 0.184 |
| | | 13.67 | 4.88 | 18.54 | ONE | 18.474 | 205.0 | 71.9 | 61.4 | | | | | | | | | | |

ARRIVAL DATE = 2447770.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43460.0 | 47770.0 | 0.615 | 203.7 | -9.1 | 0.38 | 1.389 | 114.4 | 0.926 | 10.951 | 309.2 | 533.1 | 0.814 | 21.087A | 0.45 | 0.110 | 143.8 | 172.9 | -42.8 | 0.179 |
| | | 13.59 | 4.82 | 18.41 | TWO | 18.934 | 203.5 | 70.8 | 64.2 | | | | | | | | | | |
| 43470.0 | 47770.0 | 0.545 | 205.3 | -9.3 | 0.47 | 1.391 | 109.7 | 0.921 | 11.019 | 318.9 | 532.7 | 0.871 | 21.167A | 0.33 | 0.112 | 143.4 | 172.6 | -43.6 | 0.178 |
| | | 11.84 | 4.81 | 16.64 | TWO | 18.934 | 203.5 | 70.8 | 63.4 | | | | | | | | | | |
| 43480.0 | 47770.0 | 0.482 | 205.4 | -8.6 | 0.65 | 1.392 | 105.0 | 0.917 | 11.076 | 328.6 | 532.4 | 0.917 | 21.235A | 0.13 | 0.114 | 143.1 | 172.3 | -44.2 | 0.177 |
| | | 10.32 | 4.80 | 15.11 | TWO | 18.934 | 203.5 | 70.8 | 62.8 | | | | | | | | | | |
| 43490.0 | 47770.0 | 0.430 | 203.8 | -6.1 | 1.12 | 1.393 | 100.2 | 0.914 | 11.120 | 338.6 | 532.2 | 0.952 | 21.288A | -0.36 | 0.116 | 143.0 | 171.9 | -44.6 | 0.176 |
| | | 9.11 | 4.79 | 13.90 | TWO | 18.934 | 203.5 | 70.8 | 62.3 | | | | | | | | | | |
| 43500.0 | 47770.0 | 0.404 | 203.9 | 6.5 | 4.40 | 1.394 | 95.5 | 0.913 | 11.150 | 348.6 | 532.0 | 0.974 | 21.326A | -3.67 | 0.117 | 142.9 | 170.0 | -44.6 | 0.176 |
| | | 8.51 | 4.79 | 13.30 | TWO | 18.934 | 203.5 | 70.8 | 62.0 | | | | | | | | | | |
| 43510.0 | 47770.0 | 0.381 | 188.4 | -12.6 | -2.24 | 1.394 | 90.6 | 0.912 | 11.165 | 358.7 | 531.9 | 0.983 | 21.347A | 2.95 | 0.117 | 142.9 | 173.7 | -45.3 | 0.176 |
| | | 8.02 | 4.78 | 12.80 | ONE | 18.934 | 203.5 | 70.8 | 61.9 | | | | | | | | | | |
| 43520.0 | 47770.0 | 0.388 | 183.9 | -5.2 | -0.90 | 1.394 | 85.8 | 0.912 | 11.164 | 8.9 | 171.9 | 0.978D | 21.350A | 1.59 | 0.117 | 143.0 | 172.9 | -45.2 | 0.176 |
| | | 8.17 | 4.79 | 12.95 | ONE | 18.934 | 203.5 | 70.8 | 61.9 | | | | | | | | | | |
| 43530.0 | 47770.0 | 0.420 | 179.1 | -1.7 | -0.58 | 1.394 | 80.8 | 0.914 | 11.147 | 19.2 | 172.0 | 0.958D | 21.337A | 1.24 | 0.117 | 143.2 | 172.7 | -45.0 | 0.177 |
| | | 8.88 | 4.79 | 13.68 | ONE | 18.934 | 203.5 | 70.8 | 62.0 | | | | | | | | | | |
| 43540.0 | 47770.0 | 0.472 | 176.2 | 0.3 | -0.43 | 1.393 | 75.9 | 0.917 | 11.116 | 29.6 | 172.2 | 0.924D | 21.308A | 1.07 | 0.116 | 143.5 | 172.7 | -44.7 | 0.178 |
| | | 10.07 | 4.80 | 14.88 | ONE | 18.934 | 203.5 | 70.8 | 62.3 | | | | | | | | | | |
| 43550.0 | 47770.0 | 0.538 | 175.3 | 1.1 | -0.36 | 1.391 | 70.9 | 0.921 | 11.071 | 40.0 | 172.5 | 0.876D | 21.266A | 0.97 | 0.114 | 144.0 | 172.8 | -44.3 | 0.179 |
| | | 11.65 | 4.81 | 16.47 | ONE | 18.934 | 203.5 | 70.8 | 62.8 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43560.0 | 47770.0 | 0.613 | 176.1 | 1.0 | -0.31 | 1.390 | 65.8 | 0.926 | 11.015 | 50.4 | 172.9 | 0.816D | 21.213A | 0.89 | 0.112 | 144.7 | 172.9 | -43.7 | 0.180 |
| | | 13.53 | 4.83 | 18.37 | ONE | 18.934 | 203.5 | 70.8 | 63.4 | | | | | | | | | | |
| ARRIVAL DATE = 2447870.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47870.0 | 0.619 | 204.2 | -9.2 | 0.39 | 1.389 | 114.6 | 0.925 | 10.817 | 308.6 | 533.7 | 0.811 | 20.823A | 0.44 | 0.104 | 141.6 | 173.1 | -41.9 | 0.176 |
| | | 13.69 | 4.79 | 18.48 | TWO | 20.313 | 202.1 | 69.8 | 66.3 | | | | | | | | | | |
| 43470.0 | 47870.0 | 0.549 | 205.9 | -9.5 | 0.48 | 1.390 | 110.0 | 0.920 | 10.880 | 318.3 | 533.3 | 0.868 | 20.893A | 0.32 | 0.106 | 141.2 | 172.8 | -42.7 | 0.175 |
| | | 11.92 | 4.77 | 16.70 | TWO | 20.313 | 202.1 | 69.8 | 65.5 | | | | | | | | | | |
| 43480.0 | 47870.0 | 0.485 | 206.0 | -8.8 | 0.66 | 1.392 | 105.2 | 0.916 | 10.934 | 328.1 | 533.0 | 0.915 | 20.954A | 0.12 | 0.109 | 141.0 | 172.6 | -43.3 | 0.174 |
| | | 10.39 | 4.76 | 15.14 | TWO | 20.313 | 202.1 | 69.8 | 64.9 | | | | | | | | | | |
| 43490.0 | 47870.0 | 0.433 | 204.5 | -6.5 | 1.09 | 1.393 | 100.5 | 0.913 | 10.976 | 338.0 | 532.8 | 0.950 | 21.002A | -0.33 | 0.110 | 140.8 | 172.2 | -43.7 | 0.173 |
| | | 9.16 | 4.75 | 13.91 | TWO | 20.313 | 202.1 | 69.8 | 64.4 | | | | | | | | | | |
| 43500.0 | 47870.0 | 0.401 | 203.5 | 3.2 | 3.48 | 1.394 | 95.7 | 0.912 | 11.004 | 348.0 | 532.6 | 0.973 | 21.035A | -2.75 | 0.111 | 140.7 | 170.8 | -43.8 | 0.173 |
| | | 8.45 | 4.75 | 13.20 | TWO | 20.313 | 202.1 | 69.8 | 64.1 | | | | | | | | | | |
| 43510.0 | 47870.0 | 0.382 | 188.4 | -15.0 | -2.84 | 1.394 | 90.9 | 0.911 | 11.019 | 358.1 | 532.5 | 0.983 | 21.054A | 3.55 | 0.112 | 140.7 | 174.3 | -44.5 | 0.173 |
| | | 8.05 | 4.75 | 12.80 | ONE | 20.313 | 202.1 | 69.8 | 63.9 | | | | | | | | | | |
| 43520.0 | 47870.0 | 0.386 | 184.5 | -6.0 | -1.02 | 1.394 | 86.0 | 0.911 | 11.018 | 8.3 | 172.5 | 0.978D | 21.058A | 1.70 | 0.112 | 140.8 | 173.2 | -44.4 | 0.173 |
| | | 8.14 | 4.75 | 12.88 | ONE | 20.313 | 202.1 | 69.8 | 63.9 | | | | | | | | | | |
| 43530.0 | 47870.0 | 0.417 | 179.8 | -2.2 | -0.63 | 1.393 | 81.1 | 0.913 | 11.003 | 18.6 | 172.6 | 0.960D | 21.047A | 1.29 | 0.111 | 141.0 | 173.0 | -44.2 | 0.173 |
| | | 8.82 | 4.75 | 13.58 | ONE | 20.313 | 202.1 | 69.8 | 64.0 | | | | | | | | | | |
| 43540.0 | 47870.0 | 0.468 | 176.8 | -0.1 | -0.47 | 1.392 | 76.2 | 0.916 | 10.974 | 29.0 | 172.8 | 0.926D | 21.022A | 1.10 | 0.110 | 141.3 | 173.0 | -43.9 | 0.174 |
| | | 9.98 | 4.76 | 14.75 | ONE | 20.313 | 202.1 | 69.8 | 64.3 | | | | | | | | | | |
| 43550.0 | 47870.0 | 0.533 | 175.8 | 0.8 | -0.38 | 1.391 | 71.2 | 0.920 | 10.933 | 39.4 | 173.1 | 0.880D | 20.986A | 0.99 | 0.108 | 141.8 | 173.0 | -43.4 | 0.176 |
| | | 11.54 | 4.78 | 16.32 | ONE | 20.313 | 202.1 | 69.8 | 64.8 | | | | | | | | | | |
| 43560.0 | 47870.0 | 0.608 | 176.6 | 0.7 | -0.33 | 1.389 | 66.1 | 0.925 | 10.880 | 49.8 | 173.4 | 0.820D | 20.940A | 0.91 | 0.106 | 142.4 | 173.1 | -42.9 | 0.177 |
| | | 13.40 | 4.80 | 18.19 | ONE | 20.313 | 202.1 | 69.8 | 65.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447970.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 47970.0 | 0.624 | 204.7 | -9.4 | 0.40 | 1.388 | 114.9 | 0.925 | 10.702 | 308.0 | 534.2 | 0.807 | 20.598A | 0.44 | 0.098 | 139.3 | 173.3 | -41.1 | 0.174 |
| | | 13.80 | 4.76 | 18.56 | TWO | 19.552 | 200.8 | 68.7 | 68.3 | | | | | | | | | | |
| 43470.0 | 47970.0 | 0.553 | 206.4 | -9.7 | 0.50 | 1.390 | 110.2 | 0.920 | 10.762 | 317.7 | 533.9 | 0.864 | 20.660A | 0.32 | 0.101 | 138.9 | 173.1 | -41.8 | 0.172 |
| | | 12.02 | 4.74 | 16.76 | TWO | 19.552 | 200.8 | 68.7 | 67.5 | | | | | | | | | | |
| 43480.0 | 47970.0 | 0.489 | 206.7 | -9.1 | 0.67 | 1.392 | 105.5 | 0.916 | 10.813 | 327.5 | 533.6 | 0.912 | 20.714A | 0.12 | 0.103 | 138.7 | 172.8 | -42.4 | 0.171 |
| | | 10.46 | 4.73 | 15.19 | TWO | 19.552 | 200.8 | 68.7 | 66.9 | | | | | | | | | | |
| 43490.0 | 47970.0 | 0.435 | 205.2 | -6.9 | 1.07 | 1.393 | 100.8 | 0.913 | 10.853 | 337.4 | 533.3 | 0.949 | 20.757A | -0.31 | 0.105 | 138.5 | 172.4 | -42.9 | 0.170 |
| | | 9.21 | 4.72 | 13.93 | TWO | 19.552 | 200.8 | 68.7 | 66.4 | | | | | | | | | | |
| 43500.0 | 47970.0 | 0.400 | 203.6 | 1.1 | 2.93 | 1.393 | 96.0 | 0.911 | 10.880 | 347.5 | 533.2 | 0.972 | 20.787A | -2.20 | 0.106 | 138.4 | 171.3 | -43.0 | 0.170 |
| | | 8.44 | 4.72 | 13.15 | TWO | 19.552 | 200.8 | 68.7 | 66.1 | | | | | | | | | | |
| 43510.0 | 47970.0 | 0.385 | 188.0 | -18.4 | -3.75 | 1.394 | 91.2 | 0.910 | 10.893 | 357.6 | 533.1 | 0.983 | 20.804A | 4.45 | 0.106 | 138.4 | 175.0 | -43.7 | 0.170 |
| | | 8.12 | 4.72 | 12.84 | ONE | 19.552 | 200.8 | 68.7 | 65.9 | | | | | | | | | | |
| 43520.0 | 47970.0 | 0.385 | 185.2 | -6.8 | -1.16 | 1.394 | 86.3 | 0.910 | 10.894 | 7.8 | 173.1 | 0.979D | 20.808A | 1.83 | 0.106 | 138.5 | 173.5 | -43.5 | 0.170 |
| | | 8.11 | 4.72 | 12.82 | ONE | 19.552 | 200.8 | 68.7 | 65.9 | | | | | | | | | | |
| 43530.0 | 47970.0 | 0.415 | 180.5 | -2.7 | -0.70 | 1.393 | 81.4 | 0.912 | 10.880 | 18.0 | 173.2 | 0.961D | 20.799A | 1.35 | 0.106 | 138.7 | 173.3 | -43.4 | 0.170 |
| | | 8.76 | 4.72 | 13.48 | ONE | 19.552 | 200.8 | 68.7 | 66.0 | | | | | | | | | | |
| 43540.0 | 47970.0 | 0.464 | 177.4 | -0.5 | -0.51 | 1.392 | 76.5 | 0.914 | 10.853 | 28.4 | 173.4 | 0.929D | 20.778A | 1.13 | 0.105 | 139.0 | 173.2 | -43.1 | 0.171 |
| | | 9.89 | 4.73 | 14.63 | ONE | 19.552 | 200.8 | 68.7 | 66.3 | | | | | | | | | | |
| 43550.0 | 47970.0 | 0.529 | 176.4 | 0.5 | -0.41 | 1.391 | 71.5 | 0.918 | 10.814 | 38.8 | 173.6 | 0.883D | 20.746A | 1.01 | 0.103 | 139.5 | 173.2 | -42.6 | 0.173 |
| | | 11.42 | 4.74 | 16.17 | ONE | 19.552 | 200.8 | 68.7 | 66.7 | | | | | | | | | | |
| 43560.0 | 47970.0 | 0.602 | 177.0 | 0.5 | -0.36 | 1.389 | 66.5 | 0.923 | 10.765 | 49.2 | 173.9 | 0.825D | 20.706A | 0.92 | 0.101 | 140.1 | 173.3 | -42.1 | 0.174 |
| | | 13.26 | 4.76 | 18.02 | ONE | 19.552 | 200.8 | 68.7 | 67.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448070.0 | | | | | | | | | | | | | | | | | | | |
| 43460.0 | 48070.0 | 0.628 | 205.1 | -9.5 | 0.42 | 1.388 | 115.2 | 0.924 | 10.605 | 307.3 | 534.7 | 0.803 | 20.407A | 0.43 | 0.094 | 136.8 | 173.5 | -40.2 | 0.171 |
| | | 13.92 | 4.73 | 18.65 | TWO | 18.393 | 199.7 | 67.7 | 70.3 | | | | | | | | | | |
| 43470.0 | 48070.0 | 0.557 | 207.0 | -9.9 | 0.51 | 1.390 | 110.5 | 0.919 | 10.661 | 317.1 | 534.4 | 0.861 | 20.462A | 0.31 | 0.096 | 136.5 | 173.3 | -41.0 | 0.170 |
| | | 12.12 | 4.71 | 16.83 | TWO | 18.393 | 199.7 | 67.7 | 69.5 | | | | | | | | | | |
| 43480.0 | 48070.0 | 0.492 | 207.3 | -9.3 | 0.67 | 1.391 | 105.8 | 0.915 | 10.709 | 326.9 | 534.1 | 0.909 | 20.509A | 0.11 | 0.098 | 136.2 | 173.0 | -41.6 | 0.169 |
| | | 10.54 | 4.70 | 15.24 | TWO | 18.393 | 199.7 | 67.7 | 68.9 | | | | | | | | | | |
| 43490.0 | 48070.0 | 0.437 | 206.0 | -7.3 | 1.05 | 1.392 | 101.0 | 0.912 | 10.747 | 336.8 | 533.9 | 0.947 | 20.547A | -0.29 | 0.100 | 136.1 | 172.7 | -42.0 | 0.168 |
| | | 9.27 | 4.69 | 13.96 | TWO | 18.393 | 199.7 | 67.7 | 68.4 | | | | | | | | | | |
| 43500.0 | 48070.0 | 0.400 | 203.9 | -0.4 | 2.56 | 1.393 | 96.3 | 0.910 | 10.773 | 346.9 | 533.7 | 0.971 | 20.575A | -1.83 | 0.101 | 136.0 | 171.7 | -42.2 | 0.167 |
| | | 8.45 | 4.69 | 13.13 | TWO | 18.393 | 199.7 | 67.7 | 68.1 | | | | | | | | | | |
| 43510.0 | 48070.0 | 0.393 | 186.7 | -23.7 | -5.28 | 1.393 | 91.4 | 0.909 | 10.787 | 357.0 | 533.7 | 0.983 | 20.590A | 5.98 | 0.102 | 136.0 | 176.1 | -42.9 | 0.168 |
| | | 8.29 | 4.69 | 12.98 | ONE | 18.393 | 199.7 | 67.7 | 68.0 | | | | | | | | | | |
| 43520.0 | 48070.0 | 0.384 | 185.9 | -7.7 | -1.31 | 1.393 | 86.6 | 0.909 | 10.787 | 7.2 | 173.7 | 0.980D | 20.594A | 1.99 | 0.102 | 136.1 | 173.8 | -42.7 | 0.167 |
| | | 8.08 | 4.69 | 12.77 | ONE | 18.393 | 199.7 | 67.7 | 67.9 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43530.0 | 48070.0 | 0.412 | 181.2 | -3.3 | -0.76 | 1.393 | 81.7 | 0.911 | 10.775 | 17.4 | 173.7 | 0.9630 | 20.587A | 1.41 | 0.101 | 136.3 | 173.5 | -42.6 | 0.168 |
| | | 8.70 | 4.69 | 13.39 | ONE | 18.393 | 199.7 | 67.7 | 68.0 | | | | | | | | | | |
| 43540.0 | 48070.0 | 0.461 | 178.1 | -0.9 | -0.55 | 1.392 | 76.8 | 0.913 | 10.750 | 27.8 | 173.9 | 0.9310 | 20.569A | 1.17 | 0.100 | 136.6 | 173.4 | -42.3 | 0.169 |
| | | 9.81 | 4.70 | 14.51 | ONE | 18.393 | 199.7 | 67.7 | 68.3 | | | | | | | | | | |
| 43550.0 | 48070.0 | 0.524 | 176.9 | 0.1 | -0.44 | 1.390 | 71.8 | 0.917 | 10.714 | 38.1 | 174.1 | 0.8860 | 20.541A | 1.03 | 0.099 | 137.0 | 173.4 | -41.9 | 0.170 |
| | | 11.31 | 4.71 | 16.02 | ONE | 18.393 | 199.7 | 67.7 | 68.7 | | | | | | | | | | |
| 43560.0 | 48070.0 | 0.597 | 177.5 | 0.2 | -0.38 | 1.389 | 66.8 | 0.922 | 10.668 | 48.5 | 174.4 | 0.8290 | 20.506A | 0.93 | 0.096 | 137.6 | 173.5 | -41.3 | 0.172 |
| | | 13.12 | 4.73 | 17.86 | ONE | 18.393 | 199.7 | 67.7 | 69.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448170.0 | | | | | | | | | | | |
| 43460.0 | 48170.0 | 0.633 | 205.6 | -9.7 | 0.43 | 1.388 | 115.5 | 0.924 | 10.521 | 306.7 | 535.2 | 0.798 | 20.244A | 0.42 | 0.089 | 134.1 | 173.7 | -39.4 | 0.169 |
| | | 14.04 | 4.71 | 18.75 | TWO | 19.509 | 198.7 | 66.6 | 72.2 | | | | | | | | | | |
| 43470.0 | 48170.0 | 0.561 | 207.5 | -10.1 | 0.52 | 1.389 | 110.8 | 0.919 | 10.575 | 316.4 | 534.9 | 0.857 | 20.293A | 0.30 | 0.092 | 133.9 | 173.5 | -40.1 | 0.168 |
| | | 12.22 | 4.69 | 16.92 | TWO | 19.509 | 198.7 | 66.6 | 71.5 | | | | | | | | | | |
| 43480.0 | 48170.0 | 0.496 | 208.0 | -9.6 | 0.68 | 1.391 | 106.1 | 0.915 | 10.621 | 326.3 | 534.6 | 0.907 | 20.335A | 0.11 | 0.094 | 133.7 | 173.2 | -40.7 | 0.167 |
| | | 10.63 | 4.68 | 15.31 | TWO | 19.509 | 198.7 | 66.6 | 70.9 | | | | | | | | | | |
| 43490.0 | 48170.0 | 0.440 | 206.7 | -7.6 | 1.03 | 1.392 | 101.3 | 0.911 | 10.657 | 336.2 | 534.4 | 0.945 | 20.369A | -0.27 | 0.095 | 133.6 | 172.9 | -41.2 | 0.166 |
| | | 9.33 | 4.67 | 14.00 | TWO | 19.509 | 198.7 | 66.6 | 70.4 | | | | | | | | | | |
| 43500.0 | 48170.0 | 0.401 | 204.5 | -1.7 | 2.30 | 1.393 | 96.5 | 0.909 | 10.682 | 346.3 | 534.3 | 0.970 | 20.394A | -1.57 | 0.097 | 133.5 | 172.1 | -41.4 | 0.165 |
| | | 8.47 | 4.66 | 13.13 | TWO | 19.509 | 198.7 | 66.6 | 70.1 | | | | | | | | | | |
| 43510.0 | 48170.0 | 0.416 | 182.7 | -33.3 | -8.38 | 1.393 | 91.7 | 0.908 | 10.695 | 356.4 | 534.2 | 0.982 | 20.408A | 9.08 | 0.097 | 133.5 | 178.0 | -42.2 | 0.166 |
| | | 8.79 | 4.67 | 13.46 | ONE | 19.509 | 198.7 | 66.6 | 70.0 | | | | | | | | | | |
| 43520.0 | 48170.0 | 0.383 | 186.6 | -8.8 | -1.50 | 1.393 | 86.9 | 0.908 | 10.696 | 6.6 | 174.2 | 0.9800 | 20.412A | 2.17 | 0.097 | 133.6 | 174.1 | -41.9 | 0.165 |
| | | 8.06 | 4.66 | 12.72 | ONE | 19.509 | 198.7 | 66.6 | 69.8 | | | | | | | | | | |
| 43530.0 | 48170.0 | 0.409 | 182.0 | -3.9 | -0.84 | 1.392 | 82.0 | 0.910 | 10.685 | 16.8 | 174.3 | 0.9640 | 20.406A | 1.48 | 0.097 | 133.8 | 173.7 | -41.8 | 0.165 |
| | | 8.64 | 4.67 | 13.31 | ONE | 19.509 | 198.7 | 66.6 | 70.0 | | | | | | | | | | |
| 43540.0 | 48170.0 | 0.457 | 178.8 | -1.4 | -0.59 | 1.391 | 77.1 | 0.912 | 10.662 | 27.1 | 174.4 | 0.9340 | 20.390A | 1.20 | 0.096 | 134.1 | 173.6 | -41.5 | 0.166 |
| | | 9.72 | 4.68 | 14.39 | ONE | 19.509 | 198.7 | 66.6 | 70.2 | | | | | | | | | | |
| 43550.0 | 48170.0 | 0.519 | 177.5 | -0.2 | -0.47 | 1.390 | 72.1 | 0.916 | 10.628 | 37.5 | 174.6 | 0.8900 | 20.367A | 1.05 | 0.094 | 134.4 | 173.6 | -41.1 | 0.168 |
| | | 11.19 | 4.69 | 15.88 | ONE | 19.509 | 198.7 | 66.6 | 70.6 | | | | | | | | | | |
| 43560.0 | 48170.0 | 0.591 | 178.0 | -0.1 | -0.40 | 1.389 | 67.1 | 0.921 | 10.585 | 47.8 | 174.9 | 0.8330 | 20.336A | 0.95 | 0.092 | 135.0 | 173.7 | -40.6 | 0.169 |
| | | 12.99 | 4.71 | 17.69 | ONE | 19.509 | 198.7 | 66.6 | 71.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448370.0 | | | | | | | | | | | |
| 43460.0 | 48370.0 | 0.643 | 206.6 | -10.1 | 0.45 | 1.387 | 116.2 | 0.924 | 10.391 | 305.3 | 536.2 | 0.789 | 19.992A | 0.41 | 0.081 | 128.4 | 174.0 | -37.9 | 0.166 |
| | | 14.30 | 4.68 | 18.98 | TWO | 19.111 | 196.8 | 64.5 | 76.1 | | | | | | | | | | |
| 43470.0 | 48370.0 | 0.570 | 208.7 | -10.5 | 0.53 | 1.389 | 111.4 | 0.919 | 10.440 | 315.1 | 535.9 | 0.850 | 20.030A | 0.29 | 0.084 | 128.2 | 173.8 | -38.6 | 0.165 |
| | | 12.45 | 4.66 | 17.11 | TWO | 19.111 | 196.8 | 64.5 | 75.4 | | | | | | | | | | |
| 43480.0 | 48370.0 | 0.503 | 209.4 | -10.1 | 0.68 | 1.390 | 106.7 | 0.914 | 10.482 | 325.0 | 535.6 | 0.901 | 20.063A | 0.10 | 0.086 | 128.2 | 173.6 | -39.2 | 0.163 |
| | | 10.82 | 4.64 | 15.46 | TWO | 19.111 | 196.8 | 64.5 | 74.7 | | | | | | | | | | |
| 43490.0 | 48370.0 | 0.446 | 208.3 | -8.4 | 1.00 | 1.392 | 101.9 | 0.911 | 10.515 | 335.0 | 535.4 | 0.940 | 20.090A | -0.24 | 0.088 | 128.1 | 173.3 | -39.6 | 0.162 |
| | | 9.47 | 4.63 | 14.10 | TWO | 19.111 | 196.8 | 64.5 | 74.3 | | | | | | | | | | |
| 43500.0 | 48370.0 | 0.404 | 205.9 | -3.6 | 1.95 | 1.392 | 97.1 | 0.908 | 10.539 | 345.0 | 535.3 | 0.968 | 20.109A | -1.23 | 0.089 | 128.1 | 172.6 | -39.9 | 0.161 |
| | | 8.53 | 4.62 | 13.16 | TWO | 19.111 | 196.8 | 64.5 | 73.9 | | | | | | | | | | |
| 43520.0 | 48370.0 | 0.381 | 187.9 | -11.3 | -1.99 | 1.392 | 87.5 | 0.907 | 10.553 | 5.3 | 175.2 | 0.9810 | 20.125A | 2.65 | 0.089 | 128.2 | 174.8 | -40.4 | 0.161 |
| | | 8.03 | 4.62 | 12.65 | ONE | 19.111 | 196.8 | 64.5 | 73.7 | | | | | | | | | | |
| 43530.0 | 48370.0 | 0.404 | 183.6 | -5.3 | -1.01 | 1.392 | 82.6 | 0.908 | 10.544 | 15.5 | 175.3 | 0.9670 | 20.121A | 1.63 | 0.089 | 128.4 | 174.2 | -40.3 | 0.161 |
| | | 8.53 | 4.62 | 13.15 | ONE | 19.111 | 196.8 | 64.5 | 73.8 | | | | | | | | | | |
| 43540.0 | 48370.0 | 0.449 | 180.2 | -2.4 | -0.69 | 1.391 | 77.7 | 0.911 | 10.524 | 25.8 | 175.4 | 0.9380 | 20.110A | 1.28 | 0.088 | 128.6 | 174.0 | -40.0 | 0.162 |
| | | 9.54 | 4.63 | 14.17 | ONE | 19.111 | 196.8 | 64.5 | 74.0 | | | | | | | | | | |
| 43550.0 | 48370.0 | 0.510 | 178.8 | -1.0 | -0.54 | 1.390 | 72.8 | 0.915 | 10.495 | 36.1 | 175.5 | 0.8960 | 20.093A | 1.10 | 0.086 | 128.9 | 174.0 | -39.7 | 0.164 |
| | | 10.96 | 4.65 | 15.61 | ONE | 19.111 | 196.8 | 64.5 | 74.3 | | | | | | | | | | |
| 43560.0 | 48370.0 | 0.580 | 179.1 | -0.7 | -0.45 | 1.388 | 67.8 | 0.920 | 10.456 | 46.4 | 175.8 | 0.8420 | 20.070A | 0.98 | 0.084 | 129.3 | 174.0 | -39.2 | 0.165 |
| | | 12.71 | 4.67 | 17.38 | ONE | 19.111 | 196.8 | 64.5 | 74.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448570.0 | | | | | | | | | | | |
| 43470.0 | 48570.0 | 0.580 | 209.9 | -10.9 | 0.55 | 1.389 | 112.1 | 0.919 | 10.344 | 313.7 | 536.8 | 0.842 | 19.847A | 0.27 | 0.077 | 122.0 | 174.1 | -37.2 | 0.162 |
| | | 12.70 | 4.63 | 17.33 | TWO | 20.057 | 195.3 | 62.3 | 79.0 | | | | | | | | | | |
| 43480.0 | 48570.0 | 0.512 | 210.8 | -10.6 | 0.69 | 1.390 | 107.3 | 0.914 | 10.383 | 323.6 | 536.5 | 0.894 | 19.872A | 0.10 | 0.079 | 122.1 | 173.9 | -37.8 | 0.161 |
| | | 11.02 | 4.62 | 15.64 | TWO | 20.057 | 195.3 | 62.3 | 78.5 | | | | | | | | | | |
| 43490.0 | 48570.0 | 0.453 | 209.9 | -9.1 | 0.97 | 1.391 | 102.6 | 0.910 | 10.414 | 333.6 | 536.4 | 0.936 | 19.893A | -0.22 | 0.081 | 122.2 | 173.6 | -38.2 | 0.159 |
| | | 9.63 | 4.60 | 14.23 | TWO | 20.057 | 195.3 | 62.3 | 78.0 | | | | | | | | | | |
| 43500.0 | 48570.0 | 0.409 | 207.5 | -5.1 | 1.73 | 1.392 | 97.8 | 0.908 | 10.437 | 343.7 | 536.2 | 0.965 | 19.908A | -1.01 | 0.082 | 122.2 | 173.1 | -38.5 | 0.159 |
| | | 8.62 | 4.59 | 13.22 | TWO | 20.057 | 195.3 | 62.3 | 77.6 | | | | | | | | | | |
| 43510.0 | 48570.0 | 0.423 | 212.0 | 20.1 | 8.99 | 1.392 | 93.0 | 0.906 | 10.449 | 353.8 | 536.2 | 0.981 | 19.918A | -8.30 | 0.083 | 122.3 | 169.1 | -38.0 | 0.159 |
| | | 8.96 | 4.60 | 13.56 | TWO | 20.057 | 195.3 | 62.3 | 77.5 | | | | | | | | | | |

1977
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43520.0 | 48570.0 | 0.381 | 188.9 | -14.8 | -2.76 | 1.392 | 88.1 | 0.906 | 10.452 | 4.0 | 176.1 | 0.982D | 19.922A | 3.41 | 0.083 | 122.4 | 175.5 | -39.1 | 0.158 |
| | | 8.04 | 4.59 | 12.63 | ONE | 20.057 | 195.3 | 62.3 | 77.4 | | | | | | | | | | |
| 43530.0 | 48570.0 | 0.399 | 185.2 | -6.8 | -1.22 | 1.392 | 83.3 | 0.907 | 10.445 | 14.2 | 176.2 | 0.970D | 19.920A | 1.83 | 0.083 | 122.5 | 174.6 | -38.9 | 0.158 |
| | | 8.42 | 4.59 | 13.02 | ONE | 20.057 | 195.3 | 62.3 | 77.4 | | | | | | | | | | |
| 43540.0 | 48570.0 | 0.442 | 181.7 | -3.4 | -0.80 | 1.391 | 78.4 | 0.910 | 10.428 | 24.4 | 176.3 | 0.943D | 19.912A | 1.38 | 0.082 | 122.6 | 174.4 | -38.7 | 0.159 |
| | | 9.37 | 4.60 | 13.97 | ONE | 20.057 | 195.3 | 62.3 | 77.6 | | | | | | | | | | |
| 43550.0 | 48570.0 | 0.500 | 180.1 | -1.8 | -0.61 | 1.389 | 73.5 | 0.913 | 10.401 | 34.7 | 176.4 | 0.903D | 19.899A | 1.15 | 0.080 | 122.8 | 174.3 | -38.4 | 0.161 |
| | | 10.73 | 4.62 | 15.35 | ONE | 20.057 | 195.3 | 62.3 | 77.9 | | | | | | | | | | |
| 43560.0 | 48570.0 | 0.569 | 180.2 | -1.3 | -0.50 | 1.388 | 68.5 | 0.918 | 10.367 | 45.0 | 176.6 | 0.850D | 19.883A | 1.01 | 0.078 | 123.1 | 174.3 | -38.0 | 0.162 |
| | | 12.43 | 4.63 | 17.07 | ONE | 20.057 | 195.3 | 62.3 | 78.3 | | | | | | | | | | |
| 43570.0 | 48570.0 | 0.646 | 181.9 | -1.7 | -0.44 | 1.386 | 63.6 | 0.924 | 10.325 | 55.3 | 176.8 | 0.786D | 19.863A | 0.91 | 0.076 | 123.5 | 174.4 | -37.5 | 0.164 |
| | | 14.38 | 4.66 | 19.04 | ONE | 20.057 | 195.3 | 62.3 | 78.8 | | | | | | | | | | |

ARRIVAL DATE = 2448770.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43470.0 | 48770.0 | 0.591 | 211.1 | -11.3 | 0.57 | 1.389 | 112.8 | 0.919 | 10.280 | 312.3 | 537.6 | 0.833 | 19.727A | 0.26 | 0.072 | 115.3 | 174.4 | -36.0 | 0.161 |
| | | 12.97 | 4.62 | 17.58 | TWO | 18.755 | 193.9 | 60.1 | 82.5 | | | | | | | | | | |
| 43480.0 | 48770.0 | 0.521 | 212.2 | -11.1 | 0.70 | 1.390 | 108.0 | 0.914 | 10.316 | 322.2 | 537.4 | 0.887 | 19.746A | 0.09 | 0.074 | 115.6 | 174.2 | -36.5 | 0.159 |
| | | 11.25 | 4.60 | 15.85 | TWO | 18.755 | 193.9 | 60.1 | 82.0 | | | | | | | | | | |
| 43490.0 | 48770.0 | 0.461 | 211.6 | -9.8 | 0.95 | 1.391 | 103.2 | 0.910 | 10.346 | 332.2 | 537.2 | 0.930 | 19.761A | -0.20 | 0.076 | 115.8 | 173.9 | -37.0 | 0.157 |
| | | 9.81 | 4.58 | 14.39 | TWO | 18.755 | 193.9 | 60.1 | 81.5 | | | | | | | | | | |
| 43500.0 | 48770.0 | 0.413 | 209.2 | -6.4 | 1.57 | 1.392 | 98.4 | 0.907 | 10.367 | 342.3 | 537.1 | 0.961 | 19.773A | -0.86 | 0.077 | 115.9 | 173.5 | -37.2 | 0.157 |
| | | 8.73 | 4.57 | 13.31 | TWO | 18.755 | 193.9 | 60.1 | 81.2 | | | | | | | | | | |
| 43510.0 | 48770.0 | 0.396 | 208.6 | 7.1 | 4.96 | 1.392 | 93.6 | 0.906 | 10.380 | 352.4 | 537.0 | 0.979 | 19.781A | -4.28 | 0.078 | 116.1 | 171.5 | -37.1 | 0.156 |
| | | 8.35 | 4.57 | 12.92 | TWO | 18.755 | 193.9 | 60.1 | 81.0 | | | | | | | | | | |
| 43520.0 | 48770.0 | 0.386 | 189.0 | -20.4 | -4.15 | 1.392 | 88.8 | 0.905 | 10.383 | 2.6 | 177.0 | 0.983D | 19.784A | 4.79 | 0.078 | 116.2 | 176.6 | -37.9 | 0.156 |
| | | 8.12 | 4.57 | 12.70 | ONE | 18.755 | 193.9 | 60.1 | 80.9 | | | | | | | | | | |
| 43530.0 | 48770.0 | 0.395 | 186.9 | -8.6 | -1.48 | 1.391 | 83.9 | 0.906 | 10.378 | 12.8 | 177.0 | 0.973D | 19.783A | 2.09 | 0.078 | 116.3 | 175.0 | -37.7 | 0.156 |
| | | 8.33 | 4.57 | 12.90 | ONE | 18.755 | 193.9 | 60.1 | 80.9 | | | | | | | | | | |
| 43540.0 | 48770.0 | 0.434 | 183.3 | -4.6 | -0.92 | 1.390 | 79.1 | 0.909 | 10.363 | 23.0 | 177.1 | 0.948D | 19.778A | 1.49 | 0.077 | 116.3 | 174.7 | -37.5 | 0.157 |
| | | 9.20 | 4.58 | 13.78 | ONE | 18.755 | 193.9 | 60.1 | 81.1 | | | | | | | | | | |
| 43550.0 | 48770.0 | 0.491 | 181.5 | -2.7 | -0.68 | 1.389 | 74.2 | 0.912 | 10.339 | 33.3 | 177.2 | 0.910D | 19.769A | 1.21 | 0.075 | 116.4 | 174.6 | -37.2 | 0.158 |
| | | 10.51 | 4.59 | 15.10 | ONE | 18.755 | 193.9 | 60.1 | 81.4 | | | | | | | | | | |
| 43560.0 | 48770.0 | 0.558 | 181.4 | -2.0 | -0.56 | 1.388 | 69.2 | 0.917 | 10.308 | 43.5 | 177.4 | 0.859D | 19.757A | 1.05 | 0.073 | 116.5 | 174.6 | -36.9 | 0.160 |
| | | 12.16 | 4.61 | 16.77 | ONE | 18.755 | 193.9 | 60.1 | 81.7 | | | | | | | | | | |
| 43570.0 | 48770.0 | 0.634 | 182.9 | -2.3 | -0.48 | 1.386 | 64.3 | 0.922 | 10.270 | 53.7 | 177.5 | 0.797D | 19.743A | 0.93 | 0.071 | 116.7 | 174.6 | -36.4 | 0.162 |
| | | 14.07 | 4.63 | 18.70 | ONE | 18.755 | 193.9 | 60.1 | 82.2 | | | | | | | | | | |

ARRIVAL DATE = 2448970.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43470.0 | 48970.0 | 0.602 | 212.4 | -11.8 | 0.58 | 1.388 | 113.5 | 0.920 | 10.240 | 310.8 | 538.3 | 0.824 | 19.657A | 0.25 | 0.068 | 108.2 | 174.6 | -35.0 | 0.160 |
| | | 13.25 | 4.61 | 17.86 | TWO | 20.452 | 192.8 | 57.9 | 85.8 | | | | | | | | | | |
| 43480.0 | 48970.0 | 0.531 | 213.6 | -11.7 | 0.70 | 1.390 | 108.7 | 0.914 | 10.275 | 320.8 | 538.2 | 0.880 | 19.670A | 0.08 | 0.070 | 108.7 | 174.4 | -35.5 | 0.158 |
| | | 11.49 | 4.59 | 16.08 | TWO | 20.452 | 192.8 | 57.9 | 85.3 | | | | | | | | | | |
| 43490.0 | 48970.0 | 0.469 | 213.3 | -10.5 | 0.93 | 1.391 | 103.9 | 0.910 | 10.303 | 330.8 | 538.0 | 0.925 | 19.681A | -0.19 | 0.072 | 109.1 | 174.2 | -35.9 | 0.156 |
| | | 10.00 | 4.57 | 14.57 | TWO | 20.452 | 192.8 | 57.9 | 84.9 | | | | | | | | | | |
| 43500.0 | 48970.0 | 0.419 | 211.1 | -7.5 | 1.46 | 1.392 | 99.1 | 0.907 | 10.323 | 340.8 | 537.9 | 0.958 | 19.689A | -0.75 | 0.073 | 109.4 | 173.8 | -36.2 | 0.155 |
| | | 8.86 | 4.56 | 13.42 | TWO | 20.452 | 192.8 | 57.9 | 84.6 | | | | | | | | | | |
| 43510.0 | 48970.0 | 0.392 | 208.9 | 1.7 | 3.56 | 1.392 | 94.3 | 0.905 | 10.336 | 350.9 | 537.9 | 0.977 | 19.695A | -2.89 | 0.074 | 109.6 | 172.5 | -36.2 | 0.155 |
| | | 8.27 | 4.56 | 12.83 | TWO | 20.452 | 192.8 | 57.9 | 84.4 | | | | | | | | | | |
| 43520.0 | 48970.0 | 0.405 | 186.2 | -31.5 | -7.40 | 1.392 | 89.5 | 0.905 | 10.340 | 1.2 | 177.8 | 0.983D | 19.697A | 8.03 | 0.074 | 109.7 | 178.6 | -37.0 | 0.155 |
| | | 8.55 | 4.56 | 13.12 | ONE | 20.452 | 192.8 | 57.9 | 84.3 | | | | | | | | | | |
| 43530.0 | 48970.0 | 0.392 | 188.6 | -10.8 | -1.83 | 1.391 | 84.6 | 0.906 | 10.336 | 11.3 | 177.8 | 0.975D | 19.697A | 2.43 | 0.074 | 109.8 | 175.5 | -36.7 | 0.155 |
| | | 8.25 | 4.56 | 12.81 | ONE | 20.452 | 192.8 | 57.9 | 84.3 | | | | | | | | | | |
| 43540.0 | 48970.0 | 0.427 | 185.0 | -5.9 | -1.07 | 1.390 | 79.8 | 0.908 | 10.323 | 21.5 | 177.9 | 0.953D | 19.694A | 1.62 | 0.073 | 109.8 | 175.0 | -36.5 | 0.156 |
| | | 9.04 | 4.56 | 13.60 | ONE | 20.452 | 192.8 | 57.9 | 84.4 | | | | | | | | | | |
| 43550.0 | 48970.0 | 0.481 | 182.9 | -3.6 | -0.77 | 1.389 | 74.9 | 0.911 | 10.302 | 31.8 | 178.0 | 0.916D | 19.688A | 1.28 | 0.072 | 109.7 | 174.9 | -36.2 | 0.157 |
| | | 10.29 | 4.58 | 14.86 | ONE | 20.452 | 192.8 | 57.9 | 84.6 | | | | | | | | | | |
| 43560.0 | 48970.0 | 0.547 | 182.7 | -2.8 | -0.62 | 1.388 | 70.0 | 0.916 | 10.274 | 42.0 | 178.1 | 0.868D | 19.680A | 1.09 | 0.070 | 109.7 | 174.8 | -35.9 | 0.158 |
| | | 11.88 | 4.59 | 16.48 | ONE | 20.452 | 192.8 | 57.9 | 84.9 | | | | | | | | | | |
| 43570.0 | 48970.0 | 0.621 | 184.0 | -2.9 | -0.53 | 1.386 | 65.1 | 0.921 | 10.239 | 52.2 | 178.2 | 0.807D | 19.671A | 0.96 | 0.068 | 109.6 | 174.8 | -35.5 | 0.161 |
| | | 13.75 | 4.61 | 18.36 | ONE | 20.452 | 192.8 | 57.9 | 85.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2445040.0** | | | | | | | | | | | | | | | | | | | |
| 43890.0 | 45040.0 | 0.627 | 210.9 | -12.0 | 0.20 | 1.640 | 92.7 | 1.644 | -1.526 | 355.7 | 481.6 | 0.982 | NA | 0.64 | 0.873 | 174.4 | 163.3 | -64.4 | 0.871 |
| | | 13.88 | 19.86 | 33.75 | ONE | 18.559 | 332.5 | 73.3 | 9.7 | | | | | | | | | | |
| 43900.0 | 45040.0 | 0.630 | 205.2 | -10.0 | 0.18 | 1.641 | 86.4 | 1.649 | -1.512 | 5.7 | 121.5 | 0.982D | NA | 0.68 | 0.876 | 174.4 | 163.3 | -64.5 | 0.874 |
| | | 13.96 | 19.96 | 33.91 | ONE | 18.559 | 332.5 | 73.3 | 9.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2445140.0** | | | | | | | | | | | | | | | | | | | |
| 43870.0 | 45140.0 | 0.641 | 215.9 | -13.5 | 0.28 | 1.594 | 102.7 | 1.479 | -1.970 | 338.8 | 486.3 | 0.944 | NA | 0.52 | 0.783 | 174.1 | 163.5 | -64.2 | 0.783 |
| | | 14.26 | 17.56 | 31.82 | ONE | 17.957 | 330.3 | 74.4 | 11.1 | | | | | | | | | | |
| 43880.0 | 45140.0 | 0.601 | 212.5 | -12.5 | 0.22 | 1.596 | 97.1 | 1.499 | -1.945 | 348.2 | 485.5 | 0.971 | NA | 0.60 | 0.787 | 174.0 | 163.4 | -64.4 | 0.787 |
| | | 13.22 | 17.66 | 30.88 | ONE | 17.957 | 330.3 | 74.4 | 10.9 | | | | | | | | | | |
| 43890.0 | 45140.0 | 0.582 | 207.4 | -10.7 | 0.19 | 1.598 | 91.2 | 1.511 | -1.925 | 358.0 | 485.1 | 0.983 | NA | 0.65 | 0.791 | 174.0 | 163.3 | -64.5 | 0.790 |
| | | 12.75 | 17.74 | 30.49 | ONE | 17.957 | 330.3 | 74.4 | 10.8 | | | | | | | | | | |
| 43900.0 | 45140.0 | 0.591 | 201.5 | -8.6 | 0.17 | 1.598 | 85.1 | 1.513 | -1.910 | 8.1 | 125.1 | 0.979D | NA | 0.68 | 0.793 | 174.0 | 163.3 | -64.5 | 0.793 |
| | | 12.99 | 17.81 | 30.80 | ONE | 17.957 | 330.3 | 74.4 | 10.8 | | | | | | | | | | |
| 43910.0 | 45140.0 | 0.631 | 196.0 | -6.4 | 0.16 | 1.599 | 78.8 | 1.503 | -1.898 | 18.7 | 125.5 | 0.955D | NA | 0.71 | 0.795 | 174.1 | 163.3 | -64.5 | 0.795 |
| | | 13.99 | 17.87 | 31.86 | ONE | 17.957 | 330.3 | 74.4 | 10.9 | | | | | | | | | | |
| **ARRIVAL DATE = 2445240.0** | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 45240.0 | 0.649 | 215.3 | -13.2 | 0.37 | 1.559 | 106.5 | 1.365 | -2.506 | 331.5 | 490.4 | 0.915 | NA | 0.42 | 0.711 | 173.7 | 163.6 | -64.1 | 0.713 |
| | | 14.46 | 15.73 | 30.19 | ONE | 19.410 | 327.9 | 75.4 | 12.5 | | | | | | | | | | |
| 43870.0 | 45240.0 | 0.597 | 213.5 | -12.8 | 0.26 | 1.562 | 101.2 | 1.385 | -2.469 | 340.7 | 489.4 | 0.951 | NA | 0.54 | 0.715 | 173.6 | 163.4 | -64.3 | 0.716 |
| | | 13.13 | 15.83 | 28.96 | ONE | 19.410 | 327.9 | 75.4 | 12.2 | | | | | | | | | | |
| 43880.0 | 45240.0 | 0.561 | 209.6 | -11.5 | 0.20 | 1.563 | 95.7 | 1.400 | -2.439 | 350.2 | 488.8 | 0.975 | NA | 0.61 | 0.718 | 173.5 | 163.3 | -64.4 | 0.719 |
| | | 12.23 | 15.90 | 28.13 | ONE | 19.410 | 327.9 | 75.4 | 12.1 | | | | | | | | | | |
| 43890.0 | 45240.0 | 0.548 | 204.1 | -9.5 | 0.17 | 1.564 | 90.0 | 1.407 | -2.416 | 0.1 | 128.4 | 0.984D | NA | 0.66 | 0.721 | 173.5 | 163.3 | -64.5 | 0.722 |
| | | 11.90 | 15.97 | 27.87 | ONE | 19.410 | 327.9 | 75.4 | 12.0 | | | | | | | | | | |
| 43900.0 | 45240.0 | 0.563 | 198.1 | -7.2 | 0.15 | 1.565 | 84.0 | 1.407 | -2.399 | 10.3 | 128.5 | 0.975D | NA | 0.69 | 0.723 | 173.6 | 163.3 | -64.5 | 0.724 |
| | | 12.27 | 16.02 | 28.29 | ONE | 19.410 | 327.9 | 75.4 | 12.0 | | | | | | | | | | |
| 43910.0 | 45240.0 | 0.607 | 192.8 | -5.1 | 0.14 | 1.564 | 77.8 | 1.397 | -2.388 | 21.0 | 129.0 | 0.948D | NA | 0.72 | 0.724 | 173.7 | 163.4 | -64.5 | 0.726 |
| | | 13.39 | 16.07 | 29.46 | ONE | 19.410 | 327.9 | 75.4 | 12.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2445340.0** | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 45340.0 | 0.610 | 213.5 | -12.6 | 0.34 | 1.533 | 105.2 | 1.295 | -3.135 | 333.1 | 493.3 | 0.924 | NA | 0.44 | 0.652 | 173.2 | 163.5 | -64.1 | 0.655 |
| | | 13.47 | 14.28 | 27.75 | ONE | 19.681 | 325.1 | 76.4 | 13.6 | | | | | | | | | | |
| 43870.0 | 45340.0 | 0.561 | 211.2 | -12.0 | 0.23 | 1.535 | 100.0 | 1.310 | -3.089 | 342.4 | 492.4 | 0.957 | NA | 0.56 | 0.655 | 173.1 | 163.4 | -64.3 | 0.658 |
| | | 12.23 | 14.36 | 26.59 | ONE | 19.681 | 325.1 | 76.4 | 13.4 | | | | | | | | | | |
| 43880.0 | 45340.0 | 0.529 | 206.9 | -10.5 | 0.18 | 1.537 | 94.5 | 1.320 | -3.053 | 352.0 | 491.8 | 0.978 | NA | 0.63 | 0.658 | 173.0 | 163.3 | -64.5 | 0.661 |
| | | 11.45 | 14.42 | 25.87 | ONE | 19.681 | 325.1 | 76.4 | 13.3 | | | | | | | | | | |
| 43890.0 | 45340.0 | 0.521 | 201.1 | -8.4 | 0.15 | 1.537 | 88.9 | 1.325 | -3.026 | 2.0 | 131.6 | 0.983D | NA | 0.67 | 0.660 | 173.0 | 163.3 | -64.5 | 0.663 |
| | | 11.25 | 14.47 | 25.72 | ONE | 19.681 | 325.1 | 76.4 | 13.2 | | | | | | | | | | |
| 43900.0 | 45340.0 | 0.542 | 195.0 | -6.0 | 0.13 | 1.537 | 83.0 | 1.323 | -3.008 | 12.3 | 131.7 | 0.972D | NA | 0.70 | 0.662 | 173.1 | 163.3 | -64.5 | 0.664 |
| | | 11.74 | 14.51 | 26.26 | ONE | 19.681 | 325.1 | 76.4 | 13.2 | | | | | | | | | | |
| 43910.0 | 45340.0 | 0.590 | 190.0 | -4.0 | 0.12 | 1.537 | 76.9 | 1.314 | -2.997 | 23.1 | 132.3 | 0.961D | NA | 0.72 | 0.663 | 173.2 | 163.4 | -64.4 | 0.666 |
| | | 12.96 | 14.55 | 27.50 | ONE | 19.681 | 325.1 | 76.4 | 13.3 | | | | | | | | | | |
| **ARRIVAL DATE = 2445440.0** | | | | | | | | | | | | | | | | | | | |
| 43850.0 | 45440.0 | 0.636 | 212.6 | -11.5 | 0.68 | 1.510 | 109.0 | 1.222 | -4.001 | 325.6 | 497.1 | 0.890 | NA | 0.09 | 0.596 | 172.8 | 163.6 | -63.9 | 0.602 |
| | | 14.12 | 12.98 | 27.10 | ONE | 18.190 | 321.9 | 77.4 | 15.1 | | | | | | | | | | |
| 43860.0 | 45440.0 | 0.578 | 211.8 | -12.0 | 0.32 | 1.512 | 104.0 | 1.237 | -3.929 | 334.6 | 496.0 | 0.932 | NA | 0.47 | 0.600 | 172.7 | 163.6 | -64.1 | 0.605 |
| | | 12.66 | 13.05 | 25.71 | ONE | 18.190 | 321.9 | 77.4 | 14.8 | | | | | | | | | | |
| 43870.0 | 45440.0 | 0.532 | 209.0 | -11.3 | 0.21 | 1.514 | 98.9 | 1.249 | -3.871 | 344.0 | 495.2 | 0.962 | NA | 0.58 | 0.603 | 172.6 | 163.4 | -64.3 | 0.608 |
| | | 11.51 | 13.11 | 24.63 | ONE | 18.190 | 321.9 | 77.4 | 14.6 | | | | | | | | | | |
| 43880.0 | 45440.0 | 0.504 | 204.3 | -9.6 | 0.16 | 1.515 | 93.5 | 1.256 | -3.826 | 353.7 | 494.7 | 0.980 | NA | 0.64 | 0.606 | 172.5 | 163.4 | -64.4 | 0.610 |
| | | 10.83 | 13.16 | 24.00 | ONE | 18.190 | 321.9 | 77.4 | 14.5 | | | | | | | | | | |
| 43890.0 | 45440.0 | 0.501 | 198.3 | -7.3 | 0.13 | 1.515 | 87.9 | 1.259 | -3.795 | 3.7 | 134.5 | 0.983D | NA | 0.68 | 0.608 | 172.6 | 163.3 | -64.5 | 0.611 |
| | | 10.75 | 13.20 | 23.95 | ONE | 18.190 | 321.9 | 77.4 | 14.4 | | | | | | | | | | |
| 43900.0 | 45440.0 | 0.525 | 192.3 | -4.9 | 0.12 | 1.515 | 82.1 | 1.256 | -3.775 | 14.1 | 134.8 | 0.968D | NA | 0.71 | 0.609 | 172.6 | 163.4 | -64.5 | 0.613 |
| | | 11.35 | 13.24 | 24.59 | ONE | 18.190 | 321.9 | 77.4 | 14.5 | | | | | | | | | | |
| 43910.0 | 45440.0 | 0.577 | 187.5 | -2.9 | 0.11 | 1.515 | 76.1 | 1.248 | -3.766 | 24.9 | 135.4 | 0.935D | NA | 0.73 | 0.609 | 172.8 | 163.5 | -64.4 | 0.614 |
| | | 12.63 | 13.26 | 25.90 | ONE | 18.190 | 321.9 | 77.4 | 14.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2445540.0** | | | | | | | | | | | | | | | | | | | |
| 43850.0 | 45540.0 | 0.608 | 211.3 | -11.0 | 0.67 | 1.493 | 108.0 | 1.178 | -5.044 | 326.8 | 499.6 | 0.898 | NA | 0.10 | 0.551 | 172.3 | 163.7 | -63.8 | 0.558 |
| | | 13.40 | 11.93 | 25.33 | ONE | 18.355 | 318.2 | 78.3 | 16.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43860.0 | 45540.0 | 0.552 | 210.1 | -11.5 | 0.28 | 1.495 | 103.1 | 1.189 | -4.949 | 336.0 | 498.6 | 0.938 | NA | 0.50 | 0.555 | 172.2 | 163.6 | -64.1 | 0.561 |
| | | 11.99 | 11.99 | 23.99 | ONE | 18.355 | 318.2 | 78.3 | 16.1 | | | | | | | | | | |
| 43870.0 | 45540.0 | 0.508 | 207.0 | -10.6 | 0.18 | 1.496 | 97.9 | 1.198 | -4.875 | 345.4 | 497.8 | 0.966 | NA | 0.61 | 0.557 | 172.1 | 163.5 | -64.3 | 0.563 |
| | | 10.93 | 12.04 | 22.98 | ONE | 18.355 | 318.2 | 78.3 | 15.9 | | | | | | | | | | |
| 43880.0 | 45540.0 | 0.484 | 202.0 | -8.8 | 0.14 | 1.497 | 92.6 | 1.204 | -4.819 | 355.2 | 497.4 | 0.981 | NA | 0.66 | 0.560 | 172.0 | 163.4 | -64.4 | 0.565 |
| | | 10.35 | 12.09 | 22.43 | ONE | 18.355 | 318.2 | 78.3 | 15.8 | | | | | | | | | | |
| 43890.0 | 45540.0 | 0.484 | 195.8 | -6.3 | 0.11 | 1.497 | 87.1 | 1.205 | -4.782 | 5.3 | 137.3 | 0.981D | NA | 0.69 | 0.561 | 172.0 | 163.4 | -64.4 | 0.566 |
| | | 10.36 | 12.12 | 22.48 | ONE | 18.355 | 318.2 | 78.3 | 15.7 | | | | | | | | | | |
| 43900.0 | 45540.0 | 0.513 | 189.9 | -3.9 | 0.10 | 1.497 | 81.4 | 1.203 | -4.761 | 15.8 | 137.6 | 0.964D | NA | 0.72 | 0.562 | 172.1 | 163.4 | -64.4 | 0.567 |
| | | 11.05 | 12.15 | 23.19 | ONE | 18.355 | 318.2 | 78.3 | 15.8 | | | | | | | | | | |
| 43910.0 | 45540.0 | 0.568 | 185.4 | -2.1 | 0.09 | 1.496 | 75.5 | 1.195 | -4.754 | 26.6 | 138.3 | 0.929D | NA | 0.73 | 0.562 | 172.3 | 163.5 | -64.3 | 0.568 |
| | | 12.39 | 12.17 | 24.56 | ONE | 18.355 | 318.2 | 78.3 | 15.9 | | | | | | | | | | |
| 43920.0 | 45540.0 | 0.644 | 182.8 | -1.0 | 0.09 | 1.495 | 69.4 | 1.184 | -4.758 | 37.9 | 139.4 | 0.875D | NA | 0.75 | 0.562 | 172.5 | 163.7 | -64.1 | 0.569 |
| | | 14.32 | 12.19 | 26.51 | ONE | 18.355 | 318.2 | 78.3 | 16.1 | | | | | | | | | | |

ARRIVAL DATE = 2445640.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43840.0 | 45640.0 | 0.646 | 208.2 | -13.8 | -0.97 | 1.476 | 111.8 | 1.130 | -6.585 | 319.0 | 503.1 | 0.858 | NA | 1.74 | 0.507 | 171.9 | 164.5 | -63.5 | 0.517 |
| | | 14.38 | 10.97 | 25.35 | TWO | 19.825 | 313.9 | 79.1 | 18.0 | | | | | | | | | | |
| 43850.0 | 45640.0 | 0.584 | 210.2 | -10.6 | 0.65 | 1.478 | 107.1 | 1.141 | -6.425 | 328.0 | 501.9 | 0.905 | NA | 0.12 | 0.511 | 171.7 | 163.7 | -63.7 | 0.519 |
| | | 12.80 | 11.03 | 23.83 | ONE | 19.825 | 313.9 | 79.1 | 17.6 | | | | | | | | | | |
| 43860.0 | 45640.0 | 0.530 | 208.6 | -11.0 | 0.25 | 1.480 | 102.2 | 1.150 | -6.296 | 337.2 | 501.0 | 0.943 | NA | 0.53 | 0.514 | 171.6 | 163.7 | -64.0 | 0.522 |
| | | 11.45 | 11.08 | 22.53 | ONE | 19.825 | 313.9 | 79.1 | 17.4 | | | | | | | | | | |
| 43870.0 | 45640.0 | 0.488 | 205.2 | -10.0 | 0.15 | 1.482 | 97.1 | 1.156 | -6.197 | 346.7 | 500.3 | 0.969 | NA | 0.63 | 0.517 | 171.5 | 163.6 | -64.2 | 0.524 |
| | | 10.46 | 11.12 | 21.58 | ONE | 19.825 | 313.9 | 79.1 | 17.2 | | | | | | | | | | |
| 43880.0 | 45640.0 | 0.467 | 199.8 | -8.0 | 0.12 | 1.482 | 91.8 | 1.160 | -6.126 | 356.6 | 499.9 | 0.982 | NA | 0.68 | 0.518 | 171.5 | 163.5 | -64.3 | 0.525 |
| | | 9.96 | 11.16 | 21.12 | ONE | 19.825 | 313.9 | 79.1 | 17.0 | | | | | | | | | | |
| 43890.0 | 45640.0 | 0.472 | 193.5 | -5.5 | 0.09 | 1.482 | 86.4 | 1.161 | -6.081 | 6.7 | 139.9 | 0.980D | NA | 0.71 | 0.520 | 171.5 | 163.5 | -64.3 | 0.526 |
| | | 10.06 | 11.19 | 21.25 | ONE | 19.825 | 313.9 | 79.1 | 17.0 | | | | | | | | | | |
| 43900.0 | 45640.0 | 0.504 | 187.7 | -3.1 | 0.08 | 1.482 | 80.8 | 1.159 | -6.059 | 17.2 | 140.2 | 0.961D | NA | 0.73 | 0.520 | 171.6 | 163.5 | -64.3 | 0.527 |
| | | 10.82 | 11.21 | 22.03 | ONE | 19.825 | 313.9 | 79.1 | 17.1 | | | | | | | | | | |
| 43910.0 | 45640.0 | 0.561 | 183.5 | -1.3 | 0.07 | 1.481 | 74.9 | 1.153 | -6.057 | 28.1 | 141.0 | 0.924D | NA | 0.74 | 0.520 | 171.8 | 163.7 | -64.1 | 0.528 |
| | | 12.21 | 11.22 | 23.44 | ONE | 19.825 | 313.9 | 79.1 | 17.2 | | | | | | | | | | |
| 43920.0 | 45640.0 | 0.637 | 181.3 | -0.4 | 0.07 | 1.480 | 69.0 | 1.143 | -6.072 | 39.3 | 142.1 | 0.868D | NA | 0.75 | 0.520 | 172.0 | 163.8 | -63.9 | 0.529 |
| | | 14.15 | 11.24 | 25.39 | ONE | 19.825 | 313.9 | 79.1 | 17.5 | | | | | | | | | | |

ARRIVAL DATE = 2445740.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43840.0 | 45740.0 | 0.625 | 207.7 | -12.7 | -0.57 | 1.464 | 111.0 | 1.101 | -8.548 | 319.9 | 505.2 | 0.865 | NA | 1.34 | 0.472 | 171.3 | 164.5 | -63.3 | 0.483 |
| | | 13.84 | 10.20 | 24.04 | TWO | 19.346 | 308.9 | 79.9 | 19.3 | | | | | | | | | | |
| 43850.0 | 45740.0 | 0.564 | 209.1 | -10.3 | 0.62 | 1.466 | 106.3 | 1.110 | -8.318 | 329.0 | 504.1 | 0.911 | NA | 0.15 | 0.475 | 171.2 | 163.8 | -63.6 | 0.485 |
| | | 12.29 | 10.25 | 22.54 | ONE | 19.346 | 308.9 | 79.9 | 18.9 | | | | | | | | | | |
| 43860.0 | 45740.0 | 0.511 | 207.3 | -10.6 | 0.20 | 1.468 | 101.5 | 1.116 | -8.136 | 338.3 | 503.2 | 0.947 | NA | 0.58 | 0.478 | 171.0 | 163.8 | -63.9 | 0.487 |
| | | 10.99 | 10.29 | 21.29 | ONE | 19.346 | 308.9 | 79.9 | 18.7 | | | | | | | | | | |
| 43870.0 | 45740.0 | 0.472 | 203.5 | -9.4 | 0.12 | 1.469 | 96.4 | 1.121 | -7.999 | 347.9 | 502.6 | 0.972 | NA | 0.66 | 0.480 | 170.9 | 163.7 | -64.1 | 0.489 |
| | | 10.07 | 10.33 | 20.40 | ONE | 19.346 | 308.9 | 79.9 | 18.5 | | | | | | | | | | |
| 43880.0 | 45740.0 | 0.454 | 197.9 | -7.3 | 0.09 | 1.470 | 91.2 | 1.124 | -7.904 | 357.8 | 502.3 | 0.983 | NA | 0.70 | 0.482 | 170.9 | 163.6 | -64.2 | 0.490 |
| | | 9.65 | 10.36 | 20.00 | ONE | 19.346 | 308.9 | 79.9 | 18.4 | | | | | | | | | | |
| 43890.0 | 45740.0 | 0.461 | 191.6 | -4.7 | 0.07 | 1.470 | 85.8 | 1.125 | -7.847 | 8.0 | 142.3 | 0.979D | NA | 0.72 | 0.482 | 170.9 | 163.6 | -64.2 | 0.491 |
| | | 9.82 | 10.38 | 20.20 | ONE | 19.346 | 308.9 | 79.9 | 18.4 | | | | | | | | | | |
| 43900.0 | 45740.0 | 0.496 | 185.9 | -2.4 | 0.06 | 1.469 | 80.2 | 1.122 | -7.825 | 18.5 | 142.7 | 0.958D | NA | 0.74 | 0.483 | 171.1 | 163.7 | -64.1 | 0.492 |
| | | 10.64 | 10.40 | 21.04 | ONE | 19.346 | 308.9 | 79.9 | 18.4 | | | | | | | | | | |
| 43910.0 | 45740.0 | 0.555 | 182.0 | -0.7 | 0.06 | 1.468 | 74.5 | 1.117 | -7.833 | 29.4 | 143.4 | 0.919D | NA | 0.75 | 0.483 | 171.2 | 163.8 | -64.0 | 0.492 |
| | | 12.07 | 10.41 | 22.48 | ONE | 19.346 | 308.9 | 79.9 | 18.6 | | | | | | | | | | |
| 43920.0 | 45740.0 | 0.632 | 180.0 | 0.1 | 0.05 | 1.467 | 68.6 | 1.110 | -7.867 | 40.6 | 144.6 | 0.863D | NA | 0.76 | 0.482 | 171.5 | 164.0 | -63.7 | 0.493 |
| | | 14.02 | 10.42 | 24.44 | ONE | 19.346 | 308.9 | 79.9 | 18.9 | | | | | | | | | | |

ARRIVAL DATE = 2445840.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43840.0 | 45840.0 | 0.607 | 207.1 | -12.0 | -0.32 | 1.454 | 110.4 | 1.076 | -11.399 | 320.7 | 507.2 | 0.871 | NA | 1.09 | 0.439 | 170.7 | 164.5 | -63.2 | 0.452 |
| | | 13.39 | 9.52 | 22.91 | TWO | 18.014 | 303.2 | 80.6 | 20.7 | | | | | | | | | | |
| 43850.0 | 45840.0 | 0.547 | 208.2 | -10.0 | 0.57 | 1.456 | 105.7 | 1.083 | -11.048 | 329.9 | 506.2 | 0.916 | NA | 0.20 | 0.442 | 170.5 | 164.0 | -63.5 | 0.454 |
| | | 11.87 | 9.57 | 21.44 | ONE | 18.014 | 303.2 | 80.6 | 20.3 | | | | | | | | | | |
| 43860.0 | 45840.0 | 0.495 | 206.0 | -10.3 | 0.15 | 1.458 | 100.8 | 1.088 | -10.775 | 339.2 | 505.4 | 0.951 | NA | 0.62 | 0.445 | 170.4 | 163.9 | -63.8 | 0.456 |
| | | 10.62 | 9.61 | 20.22 | ONE | 18.014 | 303.2 | 80.6 | 20.0 | | | | | | | | | | |
| 43870.0 | 45840.0 | 0.458 | 202.0 | -8.9 | 0.09 | 1.459 | 95.8 | 1.092 | -10.574 | 348.9 | 504.8 | 0.974 | NA | 0.69 | 0.447 | 170.3 | 163.8 | -63.9 | 0.457 |
| | | 9.75 | 9.64 | 19.39 | ONE | 18.014 | 303.2 | 80.6 | 19.8 | | | | | | | | | | |
| 43880.0 | 45840.0 | 0.443 | 196.2 | -6.7 | 0.06 | 1.459 | 90.6 | 1.094 | -10.439 | 358.8 | 504.6 | 0.983 | NA | 0.72 | 0.448 | 170.3 | 163.8 | -64.0 | 0.458 |
| | | 9.39 | 9.66 | 19.05 | ONE | 18.014 | 303.2 | 80.6 | 19.7 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43890.0 | 45840.0 | 0.453 | 189.9 | -4.1 | 0.05 | 1.459 | 85.3 | 1.094 | -10.365 | 9.0 | 144.6 | 0.977D | NA | 0.73 | 0.449 | 170.3 | 163.8 | -64.0 | 0.459 |
| | | 9.63 | 9.68 | 19.31 | ONE | 18.014 | 303.2 | 80.6 | 19.7 | | | | | | | | | | |
| 43900.0 | 45840.0 | 0.490 | 184.3 | -1.7 | 0.04 | 1.459 | 79.8 | 1.092 | -10.345 | 19.6 | 145.0 | 0.955D | NA | 0.75 | 0.449 | 170.5 | 163.8 | -64.0 | 0.460 |
| | | 10.50 | 9.69 | 20.19 | ONE | 18.014 | 303.2 | 80.6 | 19.8 | | | | | | | | | | |
| 43910.0 | 45840.0 | 0.550 | 180.7 | -0.2 | 0.04 | 1.458 | 74.1 | 1.088 | -10.373 | 30.5 | 145.7 | 0.915D | NA | 0.75 | 0.449 | 170.7 | 164.0 | -63.8 | 0.460 |
| | | 11.95 | 9.70 | 21.66 | ONE | 18.014 | 303.2 | 80.6 | 20.0 | | | | | | | | | | |
| 43920.0 | 45840.0 | 0.628 | 179.0 | 0.5 | 0.04 | 1.456 | 68.3 | 1.082 | -10.443 | 41.7 | 146.9 | 0.858D | NA | 0.76 | 0.448 | 171.0 | 164.2 | -63.5 | 0.461 |
| | | 13.91 | 9.72 | 23.62 | ONE | 18.014 | 303.2 | 80.6 | 20.3 | | | | | | | | | | |
| ARRIVAL DATE = 2445940.0 | | | | | | | | | | | | | | | | | | | |
| 43840.0 | 45940.0 | 0.592 | 206.6 | -11.4 | -0.15 | 1.446 | 109.8 | 1.055 | -15.871 | 321.4 | 509.1 | 0.876 | NA | 0.92 | 0.410 | 170.1 | 164.6 | -63.0 | 0.424 |
| | | 13.00 | 8.94 | 21.94 | TWO | 18.900 | 296.6 | 81.2 | 22.1 | | | | | | | | | | |
| 43850.0 | 45940.0 | 0.532 | 207.3 | -9.9 | 0.47 | 1.448 | 105.1 | 1.060 | -15.283 | 330.6 | 508.1 | 0.920 | NA | 0.30 | 0.413 | 169.9 | 164.2 | -63.3 | 0.426 |
| | | 11.52 | 8.98 | 20.49 | ONE | 18.900 | 296.6 | 81.2 | 21.7 | | | | | | | | | | |
| 43860.0 | 45940.0 | 0.482 | 204.9 | -10.1 | 0.09 | 1.449 | 100.3 | 1.064 | -14.836 | 340.0 | 507.4 | 0.954 | NA | 0.68 | 0.415 | 169.8 | 164.1 | -63.6 | 0.428 |
| | | 10.31 | 9.01 | 19.31 | ONE | 18.900 | 296.6 | 81.2 | 21.4 | | | | | | | | | | |
| 43870.0 | 45940.0 | 0.447 | 200.7 | -8.5 | 0.05 | 1.450 | 95.3 | 1.067 | -14.515 | 349.7 | 506.9 | 0.975 | NA | 0.72 | 0.417 | 169.7 | 164.0 | -63.7 | 0.429 |
| | | 9.49 | 9.03 | 18.52 | ONE | 18.900 | 296.6 | 81.2 | 21.2 | | | | | | | | | | |
| 43880.0 | 45940.0 | 0.434 | 194.7 | -6.2 | 0.04 | 1.450 | 90.1 | 1.069 | -14.307 | 359.7 | 506.7 | 0.983 | NA | 0.74 | 0.418 | 169.7 | 163.9 | -63.8 | 0.430 |
| | | 9.19 | 9.05 | 18.24 | ONE | 18.900 | 296.6 | 81.2 | 21.1 | | | | | | | | | | |
| 43890.0 | 45940.0 | 0.446 | 188.4 | -3.5 | 0.03 | 1.450 | 84.8 | 1.069 | -14.202 | 10.0 | 146.8 | 0.976D | NA | 0.75 | 0.419 | 169.7 | 163.9 | -63.8 | 0.431 |
| | | 9.48 | 9.07 | 18.54 | ONE | 18.900 | 296.6 | 81.2 | 21.1 | | | | | | | | | | |
| 43900.0 | 45940.0 | 0.485 | 183.0 | -1.2 | 0.03 | 1.450 | 79.4 | 1.067 | -14.190 | 20.5 | 147.2 | 0.952D | NA | 0.76 | 0.419 | 169.9 | 164.0 | -63.7 | 0.431 |
| | | 10.38 | 9.08 | 19.46 | ONE | 18.900 | 296.6 | 81.2 | 21.3 | | | | | | | | | | |
| 43910.0 | 45940.0 | 0.546 | 179.6 | 0.3 | 0.02 | 1.449 | 73.8 | 1.064 | -14.262 | 31.4 | 147.9 | 0.911D | NA | 0.76 | 0.419 | 170.1 | 164.2 | -63.5 | 0.432 |
| | | 11.86 | 9.09 | 20.95 | ONE | 18.900 | 296.6 | 81.2 | 21.5 | | | | | | | | | | |
| 43920.0 | 45940.0 | 0.624 | 178.1 | 0.9 | 0.02 | 1.447 | 68.0 | 1.059 | -14.406 | 42.6 | 149.0 | 0.854D | NA | 0.77 | 0.418 | 170.4 | 164.4 | -63.2 | 0.432 |
| | | 13.81 | 9.10 | 22.91 | ONE | 18.900 | 296.6 | 81.2 | 21.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446040.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46040.0 | 0.644 | 204.7 | -10.3 | -0.01 | 1.436 | 113.9 | 1.033 | -25.330 | 313.0 | 512.0 | 0.829 | NA | 0.79 | 0.380 | 169.7 | 165.0 | -62.3 | 0.398 |
| | | 14.34 | 8.39 | 22.73 | TWO | 20.022 | 289.2 | 81.7 | 24.0 | | | | | | | | | | |
| 43840.0 | 46040.0 | 0.579 | 206.2 | -10.9 | -0.03 | 1.438 | 109.3 | 1.037 | -23.819 | 322.0 | 510.9 | 0.880 | NA | 0.80 | 0.383 | 169.4 | 164.8 | -62.7 | 0.399 |
| | | 12.68 | 8.42 | 21.11 | TWO | 20.022 | 289.2 | 81.7 | 23.5 | | | | | | | | | | |
| 43850.0 | 46040.0 | 0.520 | 206.3 | -10.3 | 0.19 | 1.440 | 104.7 | 1.041 | -22.670 | 331.3 | 510.0 | 0.923 | NA | 0.58 | 0.386 | 169.2 | 164.4 | -63.0 | 0.401 |
| | | 11.22 | 8.46 | 19.67 | ONE | 20.022 | 289.2 | 81.7 | 23.2 | | | | | | | | | | |
| 43860.0 | 46040.0 | 0.471 | 203.9 | -9.9 | 0.02 | 1.442 | 99.8 | 1.044 | -21.822 | 340.7 | 509.3 | 0.956 | NA | 0.75 | 0.388 | 169.1 | 164.3 | -63.3 | 0.402 |
| | | 10.04 | 8.48 | 18.53 | ONE | 20.022 | 289.2 | 81.7 | 22.9 | | | | | | | | | | |
| 43870.0 | 46040.0 | 0.437 | 199.5 | -8.2 | 0.01 | 1.443 | 94.9 | 1.046 | -21.232 | 350.5 | 508.8 | 0.976 | NA | 0.76 | 0.390 | 169.0 | 164.2 | -63.5 | 0.403 |
| | | 9.27 | 8.51 | 17.78 | ONE | 20.022 | 289.2 | 81.7 | 22.7 | | | | | | | | | | |
| 43880.0 | 46040.0 | 0.426 | 193.5 | -5.7 | 0.01 | 1.443 | 89.7 | 1.047 | -20.865 | 0.5 | 148.7 | 0.983D | NA | 0.77 | 0.391 | 169.0 | 164.1 | -63.6 | 0.404 |
| | | 9.01 | 8.52 | 17.54 | ONE | 20.022 | 289.2 | 81.7 | 22.6 | | | | | | | | | | |
| 43890.0 | 46040.0 | 0.441 | 187.1 | -3.0 | 0.01 | 1.443 | 84.5 | 1.047 | -20.700 | 10.8 | 148.8 | 0.975D | NA | 0.77 | 0.392 | 169.1 | 164.1 | -63.6 | 0.405 |
| | | 9.35 | 8.54 | 17.88 | ONE | 20.022 | 289.2 | 81.7 | 22.6 | | | | | | | | | | |
| 43900.0 | 46040.0 | 0.481 | 181.9 | -0.8 | 0.01 | 1.442 | 79.1 | 1.046 | -20.716 | 21.4 | 149.2 | 0.950D | NA | 0.77 | 0.392 | 169.2 | 164.2 | -63.5 | 0.405 |
| | | 10.28 | 8.55 | 18.83 | ONE | 20.022 | 289.2 | 81.7 | 22.7 | | | | | | | | | | |
| 43910.0 | 46040.0 | 0.543 | 178.6 | 0.6 | 0.00 | 1.441 | 73.5 | 1.043 | -20.895 | 32.2 | 149.9 | 0.908D | NA | 0.77 | 0.391 | 169.5 | 164.4 | -63.3 | 0.406 |
| | | 11.77 | 8.55 | 20.33 | ONE | 20.022 | 289.2 | 81.7 | 23.0 | | | | | | | | | | |
| 43920.0 | 46040.0 | 0.620 | 177.4 | 1.2 | 0.00 | 1.439 | 67.9 | 1.040 | -21.221 | 43.4 | 150.9 | 0.850D | NA | 0.77 | 0.390 | 169.8 | 164.6 | -62.9 | 0.406 |
| | | 13.72 | 8.56 | 22.29 | ONE | 20.022 | 289.2 | 81.7 | 23.3 | | | | | | | | | | |
| ARRIVAL DATE = 2446140.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46140.0 | 0.633 | 204.4 | -10.1 | 0.03 | 1.430 | 113.5 | 1.018 | -45.917 | 313.4 | 513.6 | 0.833 | NA | 0.74 | 0.356 | 169.0 | 165.2 | -61.9 | 0.375 |
| | | 14.05 | 7.94 | 22.00 | TWO | 18.911 | 281.1 | 82.0 | 25.5 | | | | | | | | | | |
| 43840.0 | 46140.0 | 0.569 | 205.8 | -10.5 | 0.07 | 1.432 | 108.9 | 1.021 | -41.654 | 322.5 | 512.6 | 0.884 | NA | 0.71 | 0.359 | 168.7 | 164.9 | -62.4 | 0.377 |
| | | 12.41 | 7.97 | 20.38 | TWO | 18.911 | 281.1 | 82.0 | 25.0 | | | | | | | | | | |
| 43850.0 | 46140.0 | 0.526 | 199.5 | -26.3 | -6.25 | 1.434 | 104.3 | 1.024 | -38.627 | 331.8 | 511.7 | 0.926 | NA | 7.02 | 0.362 | 168.5 | 167.3 | -63.0 | 0.379 |
| | | 11.36 | 8.01 | 19.37 | ONE | 18.911 | 281.1 | 82.0 | 24.8 | | | | | | | | | | |
| 43860.0 | 46140.0 | 0.461 | 203.0 | -9.9 | -0.07 | 1.435 | 99.5 | 1.026 | -36.509 | 341.3 | 511.1 | 0.958 | NA | 0.84 | 0.364 | 168.4 | 164.6 | -63.0 | 0.379 |
| | | 9.82 | 8.02 | 17.85 | ONE | 18.911 | 281.1 | 82.0 | 24.4 | | | | | | | | | | |
| 43870.0 | 46140.0 | 0.429 | 198.5 | -8.0 | -0.03 | 1.436 | 94.5 | 1.028 | -35.100 | 351.1 | 510.7 | 0.977 | NA | 0.80 | 0.365 | 168.3 | 164.4 | -63.2 | 0.380 |
| | | 9.09 | 8.04 | 17.13 | ONE | 18.911 | 281.1 | 82.0 | 24.2 | | | | | | | | | | |
| 43880.0 | 46140.0 | 0.420 | 192.3 | -5.4 | -0.02 | 1.436 | 89.4 | 1.029 | -34.273 | 1.2 | 150.5 | 0.983D | NA | 0.79 | 0.366 | 168.3 | 164.4 | -63.3 | 0.381 |
| | | 8.87 | 8.06 | 16.93 | ONE | 18.911 | 281.1 | 82.0 | 24.1 | | | | | | | | | | |
| 43890.0 | 46140.0 | 0.436 | 186.0 | -2.7 | -0.02 | 1.436 | 84.2 | 1.029 | -33.946 | 11.5 | 150.6 | 0.974D | NA | 0.79 | 0.367 | 168.4 | 164.4 | -63.3 | 0.382 |
| | | 9.24 | 8.07 | 17.31 | ONE | 18.911 | 281.1 | 82.0 | 24.1 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43900.0 | 46140.0 | 0.477 | 181.0 | -0.5 | -0.02 | 1.435 | 78.8 | 1.028 | -34.067 | 22.0 | 151.0 | 0.948D | NA | 0.78 | 0.366 | 168.5 | 164.5 | -63.2 | 0.382 |
| | | 10.20 | 8.08 | 18.28 | ONE | 18.911 | 281.1 | 82.0 | 24.2 | | | | | | | | | | |
| 43910.0 | 46140.0 | 0.540 | 177.9 | 0.9 | -0.01 | 1.434 | 73.3 | 1.026 | -34.603 | 32.9 | 151.7 | 0.906D | NA | 0.78 | 0.366 | 168.8 | 164.6 | -62.9 | 0.383 |
| | | 11.70 | 8.09 | 19.78 | ONE | 18.911 | 281.1 | 82.0 | 24.5 | | | | | | | | | | |
| 43920.0 | 46140.0 | 0.617 | 176.8 | 1.4 | -0.01 | 1.433 | 67.7 | 1.024 | -35.526 | 44.0 | 152.7 | 0.847D | NA | 0.78 | 0.365 | 169.1 | 164.8 | -62.6 | 0.383 |
| | | 13.64 | 8.09 | 21.74 | ONE | 18.911 | 281.1 | 82.0 | 24.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446240.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46240.0 | 0.624 | 204.2 | -9.9 | 0.08 | 1.425 | 113.2 | 1.005 | ******* | 313.8 | 515.1 | 0.836 | NA | 0.70 | 0.334 | 168.3 | 165.5 | -61.6 | 0.355 |
| | | 13.82 | 7.55 | 21.37 | TWO | 18.098 | 272.6 | 82.1 | 27.1 | | | | | | | | | | |
| 43840.0 | 46240.0 | 0.559 | 205.5 | -10.2 | 0.14 | 1.427 | 108.6 | 1.008 | ******* | 322.9 | 514.1 | 0.887 | NA | 0.63 | 0.337 | 168.0 | 165.2 | -62.1 | 0.356 |
| | | 12.18 | 7.58 | 19.76 | TWO | 18.098 | 272.6 | 82.1 | 26.6 | | | | | | | | | | |
| 43850.0 | 46240.0 | 0.502 | 206.5 | -6.6 | 1.47 | 1.428 | 103.9 | 1.010 | -97.697 | 332.3 | 513.3 | 0.928 | NA | -0.70 | 0.339 | 167.8 | 164.4 | -62.3 | 0.358 |
| | | 10.78 | 7.60 | 18.38 | TWO | 18.098 | 272.6 | 82.1 | 26.2 | | | | | | | | | | |
| 43860.0 | 46240.0 | 0.454 | 202.3 | -9.9 | -0.18 | 1.430 | 99.1 | 1.011 | -86.486 | 341.8 | 512.7 | 0.959 | NA | 0.95 | 0.341 | 167.7 | 164.9 | -62.7 | 0.359 |
| | | 9.64 | 7.62 | 17.26 | ONE | 18.098 | 272.6 | 82.1 | 25.9 | | | | | | | | | | |
| 43870.0 | 46240.0 | 0.423 | 197.6 | -7.8 | -0.08 | 1.430 | 94.2 | 1.012 | -79.879 | 351.6 | 512.4 | 0.978 | NA | 0.85 | 0.343 | 167.6 | 164.7 | -62.9 | 0.359 |
| | | 8.94 | 7.64 | 16.57 | ONE | 18.098 | 272.6 | 82.1 | 25.7 | | | | | | | | | | |
| 43880.0 | 46240.0 | 0.414 | 191.4 | -5.1 | -0.06 | 1.431 | 89.1 | 1.013 | -76.360 | 1.7 | 152.2 | 0.983D | NA | 0.82 | 0.343 | 167.6 | 164.6 | -63.0 | 0.360 |
| | | 8.75 | 7.65 | 16.40 | ONE | 18.098 | 272.6 | 82.1 | 25.6 | | | | | | | | | | |
| 43890.0 | 46240.0 | 0.432 | 185.1 | -2.4 | -0.04 | 1.431 | 84.0 | 1.013 | -75.201 | 12.0 | 152.4 | 0.973D | NA | 0.81 | 0.344 | 167.7 | 164.6 | -63.0 | 0.361 |
| | | 9.15 | 7.66 | 16.80 | ONE | 18.098 | 272.6 | 82.1 | 25.6 | | | | | | | | | | |
| 43900.0 | 46240.0 | 0.474 | 180.2 | -0.2 | -0.04 | 1.430 | 78.6 | 1.012 | -76.086 | 22.6 | 152.8 | 0.947D | NA | 0.80 | 0.344 | 167.8 | 164.7 | -62.8 | 0.361 |
| | | 10.12 | 7.67 | 17.79 | ONE | 18.098 | 272.6 | 82.1 | 25.8 | | | | | | | | | | |
| 43910.0 | 46240.0 | 0.537 | 177.3 | 1.1 | -0.03 | 1.429 | 73.2 | 1.011 | -78.956 | 33.4 | 153.4 | 0.904D | NA | 0.79 | 0.343 | 168.1 | 164.9 | -62.6 | 0.361 |
| | | 11.62 | 7.67 | 19.30 | ONE | 18.098 | 272.6 | 82.1 | 26.0 | | | | | | | | | | |
| 43920.0 | 46240.0 | 0.614 | 176.3 | 1.5 | -0.03 | 1.427 | 67.6 | 1.010 | -83.953 | 44.5 | 154.4 | 0.845D | NA | 0.78 | 0.342 | 168.5 | 165.1 | -62.2 | 0.362 |
| | | 13.56 | 7.68 | 21.24 | ONE | 18.098 | 272.6 | 82.1 | 26.4 | | | | | | | | | | |
| ARRIVAL DATE = 2446340.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46340.0 | 0.616 | 204.0 | -9.7 | 0.11 | 1.420 | 112.9 | 0.994 | 152.029 | 314.1 | 516.6 | 0.838 | 303.220A | 0.67 | 0.313 | 167.5 | 165.7 | -61.2 | 0.336 |
| | | 13.62 | 7.21 | 20.83 | TWO | 19.471 | 264.0 | 82.1 | 28.7 | | | | | | | | | | |
| 43840.0 | 46340.0 | 0.552 | 205.3 | -10.0 | 0.20 | 1.422 | 108.3 | 0.996 | 209.345 | 323.2 | 515.6 | 0.889 | 417.801A | 0.57 | 0.316 | 167.3 | 165.4 | -61.7 | 0.338 |
| | | 11.99 | 7.23 | 19.22 | TWO | 19.471 | 264.0 | 82.1 | 28.2 | | | | | | | | | | |
| 43850.0 | 46340.0 | 0.494 | 205.7 | -7.4 | 1.11 | 1.424 | 103.7 | 0.997 | 305.593 | 332.6 | 514.9 | 0.930 | 610.255A | -0.33 | 0.319 | 167.1 | 164.8 | -62.0 | 0.339 |
| | | 10.60 | 7.25 | 17.84 | TWO | 19.471 | 264.0 | 82.1 | 27.8 | | | | | | | | | | |
| 43860.0 | 46340.0 | 0.447 | 201.6 | -10.1 | -0.32 | 1.425 | 98.9 | 0.998 | 478.203 | 342.2 | 514.3 | 0.961 | 955.446A | 1.09 | 0.320 | 166.9 | 165.2 | -62.4 | 0.340 |
| | | 9.49 | 7.26 | 16.75 | ONE | 19.471 | 264.0 | 82.1 | 27.5 | | | | | | | | | | |
| 43870.0 | 46340.0 | 0.417 | 196.9 | -7.7 | -0.14 | 1.426 | 94.0 | 0.999 | 798.396 | 352.1 | 514.0 | 0.979 | *******A | 0.91 | 0.322 | 166.8 | 165.0 | -62.5 | 0.340 |
| | | 8.81 | 7.28 | 16.08 | ONE | 19.471 | 264.0 | 82.1 | 27.3 | | | | | | | | | | |
| 43880.0 | 46340.0 | 0.410 | 190.7 | -4.9 | -0.09 | 1.426 | 88.9 | 0.999 | ******* | 2.1 | 153.9 | 0.983D | *******A | 0.85 | 0.322 | 166.8 | 164.9 | -62.6 | 0.341 |
| | | 8.65 | 7.29 | 15.94 | ONE | 19.471 | 264.0 | 82.1 | 27.2 | | | | | | | | | | |
| 43890.0 | 46340.0 | 0.428 | 184.4 | -2.2 | -0.07 | 1.426 | 83.8 | 0.999 | ******* | 12.5 | 154.0 | 0.972D | *******A | 0.83 | 0.323 | 166.9 | 164.9 | -62.6 | 0.341 |
| | | 9.06 | 7.30 | 16.36 | ONE | 19.471 | 264.0 | 82.1 | 27.2 | | | | | | | | | | |
| 43900.0 | 46340.0 | 0.471 | 179.6 | 0.0 | -0.06 | 1.425 | 78.5 | 0.999 | ******* | 23.0 | 154.4 | 0.945D | *******A | 0.81 | 0.322 | 167.1 | 165.0 | -62.4 | 0.342 |
| | | 10.05 | 7.30 | 17.36 | ONE | 19.471 | 264.0 | 82.1 | 27.4 | | | | | | | | | | |
| 43910.0 | 46340.0 | 0.534 | 176.8 | 1.3 | -0.05 | 1.424 | 73.1 | 0.999 | 767.587 | 33.8 | 155.0 | 0.903D | *******A | 0.80 | 0.322 | 167.4 | 165.2 | -62.2 | 0.342 |
| | | 11.56 | 7.31 | 18.87 | ONE | 19.471 | 264.0 | 82.1 | 27.7 | | | | | | | | | | |
| 43920.0 | 46340.0 | 0.611 | 176.0 | 1.6 | -0.05 | 1.422 | 67.6 | 0.998 | 487.679 | 44.9 | 156.0 | 0.844D | 974.514A | 0.79 | 0.320 | 167.7 | 165.4 | -61.8 | 0.343 |
| | | 13.48 | 7.32 | 20.80 | ONE | 19.471 | 264.0 | 82.1 | 28.1 | | | | | | | | | | |
| ARRIVAL DATE = 2446440.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46440.0 | 0.610 | 203.9 | -9.6 | 0.15 | 1.416 | 112.7 | 0.985 | 55.653 | 314.2 | 517.9 | 0.840 | 110.466A | 0.63 | 0.294 | 166.7 | 166.0 | -60.7 | 0.320 |
| | | 13.46 | 6.90 | 20.36 | TWO | 19.966 | 255.7 | 81.9 | 30.3 | | | | | | | | | | |
| 43840.0 | 46440.0 | 0.545 | 205.1 | -9.8 | 0.25 | 1.418 | 108.1 | 0.985 | 61.219 | 323.5 | 517.1 | 0.890 | 121.547A | 0.52 | 0.297 | 166.5 | 165.6 | -61.2 | 0.321 |
| | | 11.84 | 6.92 | 18.76 | TWO | 19.966 | 255.7 | 81.9 | 29.8 | | | | | | | | | | |
| 43850.0 | 46440.0 | 0.488 | 205.3 | -7.5 | 0.99 | 1.420 | 103.5 | 0.986 | 66.773 | 332.9 | 516.3 | 0.931 | 132.614A | -0.22 | 0.299 | 166.3 | 165.1 | -61.6 | 0.321 |
| | | 10.45 | 6.93 | 17.38 | TWO | 19.966 | 255.7 | 81.9 | 29.4 | | | | | | | | | | |
| 43860.0 | 46440.0 | 0.441 | 200.9 | -10.5 | -0.51 | 1.421 | 98.7 | 0.987 | 71.853 | 342.5 | 515.8 | 0.961 | 142.745A | 1.28 | 0.301 | 166.1 | 165.6 | -62.0 | 0.322 |
| | | 9.36 | 6.95 | 16.31 | ONE | 19.966 | 255.7 | 81.9 | 29.1 | | | | | | | | | | |
| 43870.0 | 46440.0 | 0.412 | 196.3 | -7.7 | -0.20 | 1.421 | 93.8 | 0.987 | 75.898 | 352.4 | 515.5 | 0.979 | 150.817A | 0.97 | 0.302 | 166.0 | 165.3 | -62.1 | 0.323 |
| | | 8.70 | 6.96 | 15.66 | ONE | 19.966 | 255.7 | 81.9 | 28.9 | | | | | | | | | | |
| 43880.0 | 46440.0 | 0.406 | 190.0 | -4.8 | -0.13 | 1.422 | 88.8 | 0.987 | 78.373 | 2.5 | 155.4 | 0.983D | 155.763A | 0.89 | 0.303 | 166.0 | 165.2 | -62.2 | 0.323 |
| | | 8.56 | 6.97 | 15.53 | ONE | 19.966 | 255.7 | 81.9 | 28.8 | | | | | | | | | | |
| 43890.0 | 46440.0 | 0.425 | 183.8 | -2.0 | -0.10 | 1.421 | 83.6 | 0.988 | 78.955 | 12.8 | 155.5 | 0.972D | 156.939A | 0.85 | 0.303 | 166.1 | 165.2 | -62.2 | 0.324 |
| | | 8.99 | 6.98 | 15.97 | ONE | 19.966 | 255.7 | 81.9 | 28.8 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43900.0 | 46440.0 | 0.468 | 179.1 | 0.1 | -0.08 | 1.421 | 78.4 | 0.988 | 77.649 | 23.4 | 155.9 | 0.944D | 154.353A | 0.83 | 0.303 | 166.3 | 165.3 | -62.0 | 0.324 |
| | | 9.99 | 6.98 | 16.97 | ONE | 19.966 | 255.7 | 81.9 | 29.0 | | | | | | | | | | |
| 43910.0 | 46440.0 | 0.531 | 176.4 | 1.4 | -0.07 | 1.420 | 73.0 | 0.988 | 74.783 | 34.1 | 156.5 | 0.902D | 148.665A | 0.81 | 0.302 | 166.6 | 165.5 | -61.7 | 0.325 |
| | | 11.49 | 6.99 | 18.48 | ONE | 19.966 | 255.7 | 81.9 | 29.3 | | | | | | | | | | |
| 43920.0 | 46440.0 | 0.608 | 175.7 | 1.7 | -0.06 | 1.418 | 67.6 | 0.988 | 70.887 | 45.1 | 157.4 | 0.843D | 140.930A | 0.80 | 0.301 | 167.0 | 165.7 | -61.3 | 0.325 |
| | | 13.40 | 7.00 | 20.40 | ONE | 19.966 | 255.7 | 81.9 | 29.7 | | | | | | | | | | |
| ARRIVAL DATE = 2446540.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46540.0 | 0.605 | 203.8 | -9.5 | 0.18 | 1.413 | 112.5 | 0.977 | 35.871 | 314.4 | 519.2 | 0.842 | 70.900A | 0.61 | 0.277 | 165.9 | 166.3 | -60.2 | 0.304 |
| | | 13.33 | 6.63 | 19.96 | TWO | 18.508 | 247.9 | 81.5 | 32.0 | | | | | | | | | | |
| 43840.0 | 46540.0 | 0.540 | 205.0 | -9.6 | 0.30 | 1.414 | 108.0 | 0.976 | 37.896 | 323.6 | 518.4 | 0.892 | 74.901A | 0.48 | 0.280 | 165.6 | 165.9 | -60.7 | 0.305 |
| | | 11.71 | 6.65 | 18.35 | TWO | 18.508 | 247.9 | 81.5 | 31.5 | | | | | | | | | | |
| 43850.0 | 46540.0 | 0.483 | 205.1 | -7.6 | 0.94 | 1.416 | 103.3 | 0.977 | 39.757 | 333.1 | 517.7 | 0.932 | 78.581A | -0.16 | 0.282 | 165.4 | 165.4 | -61.1 | 0.306 |
| | | 10.33 | 6.66 | 16.99 | TWO | 18.508 | 247.9 | 81.5 | 31.1 | | | | | | | | | | |
| 43860.0 | 46540.0 | 0.437 | 200.3 | -11.3 | -0.78 | 1.417 | 98.5 | 0.977 | 41.327 | 342.8 | 517.2 | 0.962 | 81.692A | 1.55 | 0.283 | 165.3 | 166.0 | -61.5 | 0.306 |
| | | 9.26 | 6.67 | 15.93 | ONE | 18.508 | 247.9 | 81.5 | 30.7 | | | | | | | | | | |
| 43870.0 | 46540.0 | 0.408 | 195.8 | -7.8 | -0.28 | 1.418 | 93.6 | 0.977 | 42.487 | 352.7 | 516.9 | 0.979 | 83.995A | 1.04 | 0.285 | 165.2 | 165.6 | -61.7 | 0.307 |
| | | 8.61 | 6.68 | 15.29 | ONE | 18.508 | 247.9 | 81.5 | 30.5 | | | | | | | | | | |
| 43880.0 | 46540.0 | 0.402 | 189.6 | -4.8 | -0.17 | 1.418 | 88.6 | 0.977 | 43.144 | 2.8 | 156.8 | 0.983D | 85.305A | 0.92 | 0.285 | 165.2 | 165.5 | -61.8 | 0.307 |
| | | 8.48 | 6.69 | 15.17 | ONE | 18.508 | 247.9 | 81.5 | 30.5 | | | | | | | | | | |
| 43890.0 | 46540.0 | 0.422 | 183.4 | -1.9 | -0.13 | 1.418 | 83.5 | 0.978 | 43.252 | 13.1 | 157.0 | 0.971D | 85.533A | 0.87 | 0.285 | 165.3 | 165.5 | -61.7 | 0.308 |
| | | 8.93 | 6.70 | 15.62 | ONE | 18.508 | 247.9 | 81.5 | 30.5 | | | | | | | | | | |
| 43900.0 | 46540.0 | 0.466 | 178.7 | 0.2 | -0.10 | 1.417 | 78.3 | 0.978 | 42.829 | 23.6 | 157.3 | 0.944D | 84.714A | 0.84 | 0.285 | 165.5 | 165.6 | -61.5 | 0.308 |
| | | 9.93 | 6.70 | 16.63 | ONE | 18.508 | 247.9 | 81.5 | 30.7 | | | | | | | | | | |
| 43910.0 | 46540.0 | 0.528 | 176.1 | 1.4 | -0.09 | 1.416 | 73.0 | 0.979 | 41.947 | 34.4 | 157.9 | 0.901D | 82.993A | 0.82 | 0.284 | 165.8 | 165.8 | -61.2 | 0.309 |
| | | 11.42 | 6.71 | 18.13 | ONE | 18.508 | 247.9 | 81.5 | 31.0 | | | | | | | | | | |
| 43920.0 | 46540.0 | 0.605 | 175.5 | 1.7 | -0.08 | 1.414 | 67.6 | 0.979 | 40.721 | 45.3 | 158.8 | 0.843D | 80.599A | 0.80 | 0.283 | 166.2 | 166.0 | -60.8 | 0.309 |
| | | 13.32 | 6.72 | 20.04 | ONE | 18.508 | 247.9 | 81.5 | 31.4 | | | | | | | | | | |
| ARRIVAL DATE = 2446640.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46640.0 | 0.601 | 203.8 | -9.4 | 0.21 | 1.409 | 112.4 | 0.969 | 27.378 | 314.4 | 520.5 | 0.842 | 53.914A | 0.58 | 0.261 | 165.0 | 166.6 | -59.7 | 0.290 |
| | | 13.22 | 6.39 | 19.61 | TWO | 18.433 | 240.9 | 81.0 | 33.8 | | | | | | | | | | |
| 43840.0 | 46640.0 | 0.536 | 205.0 | -9.5 | 0.33 | 1.411 | 107.8 | 0.969 | 28.442 | 323.7 | 519.7 | 0.893 | 55.991A | 0.45 | 0.263 | 164.8 | 166.2 | -60.2 | 0.291 |
| | | 11.60 | 6.40 | 18.01 | TWO | 18.433 | 240.9 | 81.0 | 33.2 | | | | | | | | | | |
| 43850.0 | 46640.0 | 0.479 | 204.9 | -7.6 | 0.90 | 1.413 | 103.2 | 0.968 | 29.384 | 333.2 | 519.0 | 0.933 | 57.835A | -0.13 | 0.265 | 164.5 | 165.7 | -60.6 | 0.291 |
| | | 10.23 | 6.41 | 16.64 | TWO | 18.433 | 240.9 | 81.0 | 32.8 | | | | | | | | | | |
| 43860.0 | 46640.0 | 0.433 | 199.6 | -12.4 | -1.20 | 1.414 | 98.4 | 0.968 | 30.154 | 342.9 | 518.6 | 0.963 | 59.345A | 1.96 | 0.267 | 164.4 | 166.5 | -61.0 | 0.292 |
| | | 9.18 | 6.42 | 15.60 | ONE | 18.433 | 240.9 | 81.0 | 32.5 | | | | | | | | | | |
| 43870.0 | 46640.0 | 0.404 | 195.4 | -8.0 | -0.36 | 1.415 | 93.5 | 0.968 | 30.703 | 352.8 | 518.3 | 0.980 | 60.427A | 1.12 | 0.268 | 164.3 | 166.0 | -61.2 | 0.292 |
| | | 8.53 | 6.43 | 14.96 | ONE | 18.433 | 240.9 | 81.0 | 32.2 | | | | | | | | | | |
| 43880.0 | 46640.0 | 0.399 | 189.2 | -4.8 | -0.22 | 1.415 | 88.6 | 0.968 | 30.999 | 2.9 | 158.2 | 0.983D | 61.015A | 0.97 | 0.269 | 164.3 | 165.9 | -61.3 | 0.293 |
| | | 8.42 | 6.44 | 14.86 | ONE | 18.433 | 240.9 | 81.0 | 32.2 | | | | | | | | | | |
| 43890.0 | 46640.0 | 0.419 | 183.1 | -1.9 | -0.16 | 1.415 | 83.5 | 0.969 | 31.029 | 13.3 | 158.3 | 0.971D | 61.086A | 0.90 | 0.269 | 164.4 | 165.9 | -61.2 | 0.293 |
| | | 8.86 | 6.45 | 15.31 | ONE | 18.433 | 240.9 | 81.0 | 32.2 | | | | | | | | | | |
| 43900.0 | 46640.0 | 0.463 | 178.5 | 0.2 | -0.13 | 1.414 | 78.3 | 0.969 | 30.802 | 23.8 | 158.7 | 0.943D | 60.660A | 0.86 | 0.268 | 164.6 | 166.0 | -61.0 | 0.294 |
| | | 9.86 | 6.45 | 16.32 | ONE | 18.433 | 240.9 | 81.0 | 32.4 | | | | | | | | | | |
| 43910.0 | 46640.0 | 0.526 | 176.0 | 1.4 | -0.11 | 1.413 | 73.0 | 0.970 | 30.350 | 34.5 | 159.2 | 0.901D | 59.799A | 0.83 | 0.267 | 164.9 | 166.1 | -60.7 | 0.294 |
| | | 11.35 | 6.46 | 17.81 | ONE | 18.433 | 240.9 | 81.0 | 32.7 | | | | | | | | | | |
| 43920.0 | 46640.0 | 0.601 | 175.4 | 1.7 | -0.10 | 1.411 | 67.6 | 0.972 | 29.720 | 45.4 | 160.0 | 0.843D | 58.598A | 0.81 | 0.266 | 165.3 | 166.4 | -60.3 | 0.295 |
| | | 13.24 | 6.47 | 19.71 | ONE | 18.433 | 240.9 | 81.0 | 33.2 | | | | | | | | | | |
| ARRIVAL DATE = 2446740.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46740.0 | 0.597 | 203.9 | -9.4 | 0.23 | 1.407 | 112.3 | 0.963 | 22.679 | 314.4 | 521.6 | 0.843 | 44.515A | 0.56 | 0.245 | 164.1 | 166.9 | -59.1 | 0.277 |
| | | 13.14 | 6.18 | 19.32 | TWO | 19.943 | 234.7 | 80.4 | 35.6 | | | | | | | | | | |
| 43840.0 | 46740.0 | 0.533 | 205.0 | -9.4 | 0.36 | 1.409 | 107.8 | 0.962 | 23.345 | 323.7 | 520.9 | 0.893 | 45.797A | 0.42 | 0.248 | 163.8 | 166.5 | -59.6 | 0.278 |
| | | 11.52 | 6.19 | 17.71 | TWO | 19.943 | 234.7 | 80.4 | 35.0 | | | | | | | | | | |
| 43850.0 | 46740.0 | 0.475 | 204.9 | -7.6 | 0.88 | 1.410 | 103.1 | 0.961 | 23.924 | 333.3 | 520.3 | 0.934 | 46.915A | -0.11 | 0.250 | 163.6 | 166.0 | -60.0 | 0.278 |
| | | 10.15 | 6.20 | 16.35 | TWO | 19.943 | 234.7 | 80.4 | 34.5 | | | | | | | | | | |
| 43860.0 | 46740.0 | 0.431 | 198.6 | -14.6 | -1.92 | 1.411 | 98.3 | 0.961 | 24.387 | 343.0 | 519.8 | 0.963 | 47.811A | 2.68 | 0.252 | 163.5 | 167.3 | -60.5 | 0.279 |
| | | 9.13 | 6.21 | 15.34 | ONE | 19.943 | 234.7 | 80.4 | 34.2 | | | | | | | | | | |
| 43870.0 | 46740.0 | 0.401 | 195.2 | -8.2 | -0.46 | 1.412 | 93.5 | 0.960 | 24.710 | 352.9 | 519.5 | 0.980 | 48.441A | 1.22 | 0.253 | 163.4 | 166.4 | -60.7 | 0.279 |
| | | 8.47 | 6.21 | 14.68 | ONE | 19.943 | 234.7 | 80.4 | 34.0 | | | | | | | | | | |
| 43880.0 | 46740.0 | 0.396 | 189.0 | -4.9 | -0.27 | 1.412 | 88.5 | 0.961 | 24.878 | 3.0 | 159.5 | 0.983D | 48.773A | 1.01 | 0.253 | 163.4 | 166.3 | -60.7 | 0.279 |
| | | 8.36 | 6.22 | 14.57 | ONE | 19.943 | 234.7 | 80.4 | 33.9 | | | | | | | | | | |
| 43890.0 | 46740.0 | 0.417 | 182.9 | -1.9 | -0.19 | 1.412 | 83.5 | 0.961 | 24.884 | 13.4 | 159.6 | 0.971D | 48.798A | 0.93 | 0.253 | 163.5 | 166.2 | -60.7 | 0.280 |
| | | 8.81 | 6.22 | 15.03 | ONE | 19.943 | 234.7 | 80.4 | 34.0 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43900.0 | 46740.0 | 0.461 | 178.3 | 0.2 | -0.15 | 1.411 | 78.3 | 0.962 | 24.736 | 23.9 | 159.9 | 0.943D | 48.528A | 0.88 | 0.253 | 163.7 | 166.3 | -60.5 | 0.280 |
| | | 9.80 | 6.23 | 16.03 | ONE | 19.943 | 234.7 | 80.4 | 34.2 | | | | | | | | | | |
| 43910.0 | 46740.0 | 0.523 | 175.9 | 1.4 | -0.13 | 1.410 | 73.1 | 0.963 | 24.449 | 34.6 | 160.5 | 0.901D | 47.998A | 0.84 | 0.252 | 164.0 | 166.5 | -60.1 | 0.281 |
| | | 11.28 | 6.24 | 17.52 | ONE | 19.943 | 234.7 | 80.4 | 34.5 | | | | | | | | | | |
| 43920.0 | 46740.0 | 0.598 | 175.4 | 1.7 | -0.12 | 1.408 | 67.7 | 0.965 | 24.052 | 45.4 | 161.2 | 0.843D | 47.261A | 0.82 | 0.251 | 164.5 | 166.7 | -59.7 | 0.281 |
| | | 13.15 | 6.25 | 19.40 | ONE | 19.943 | 234.7 | 80.4 | 34.9 | | | | | | | | | | |
| ARRIVAL DATE = 2446840.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46840.0 | 0.595 | 203.9 | -9.4 | 0.26 | 1.404 | 112.3 | 0.957 | 19.712 | 314.3 | 522.7 | 0.843 | 38.580A | 0.54 | 0.231 | 163.2 | 167.2 | -58.4 | 0.265 |
| | | 13.08 | 5.99 | 19.07 | TWO | 19.683 | 229.4 | 79.7 | 37.4 | | | | | | | | | | |
| 43840.0 | 46840.0 | 0.530 | 205.1 | -9.4 | 0.39 | 1.406 | 107.7 | 0.956 | 20.174 | 323.7 | 522.0 | 0.893 | 39.456A | 0.39 | 0.234 | 162.9 | 166.9 | -59.0 | 0.266 |
| | | 11.46 | 6.00 | 17.46 | TWO | 19.683 | 229.4 | 79.7 | 36.8 | | | | | | | | | | |
| 43850.0 | 46840.0 | 0.473 | 204.9 | -7.6 | 0.86 | 1.408 | 103.0 | 0.955 | 20.571 | 333.3 | 521.4 | 0.934 | 40.209A | -0.09 | 0.236 | 162.6 | 166.4 | -59.4 | 0.266 |
| | | 10.09 | 6.00 | 16.09 | TWO | 19.683 | 229.4 | 79.7 | 36.3 | | | | | | | | | | |
| 43860.0 | 46840.0 | 0.433 | 196.7 | -19.3 | -3.48 | 1.409 | 98.3 | 0.954 | 20.885 | 343.0 | 521.0 | 0.963 | 40.807A | 4.24 | 0.237 | 162.5 | 168.5 | -60.0 | 0.267 |
| | | 9.17 | 6.01 | 15.18 | ONE | 19.683 | 229.4 | 79.7 | 36.0 | | | | | | | | | | |
| 43870.0 | 46840.0 | 0.399 | 195.0 | -8.6 | -0.58 | 1.409 | 93.4 | 0.954 | 21.100 | 353.0 | 520.7 | 0.980 | 41.221A | 1.33 | 0.238 | 162.4 | 166.8 | -60.1 | 0.267 |
| | | 8.41 | 6.02 | 14.43 | ONE | 19.683 | 229.4 | 79.7 | 35.8 | | | | | | | | | | |
| 43880.0 | 46840.0 | 0.394 | 188.8 | -5.1 | -0.32 | 1.410 | 88.5 | 0.954 | 21.208 | 3.1 | 160.7 | 0.983D | 41.434A | 1.06 | 0.239 | 162.4 | 166.6 | -60.1 | 0.267 |
| | | 8.30 | 6.02 | 14.33 | ONE | 19.683 | 229.4 | 79.7 | 35.7 | | | | | | | | | | |
| 43890.0 | 46840.0 | 0.414 | 182.8 | -2.0 | -0.23 | 1.409 | 83.5 | 0.954 | 21.206 | 13.4 | 160.8 | 0.971D | 41.441A | 0.96 | 0.239 | 162.5 | 166.6 | -60.1 | 0.268 |
| | | 8.75 | 6.03 | 14.78 | ONE | 19.683 | 229.4 | 79.7 | 35.7 | | | | | | | | | | |
| 43900.0 | 46840.0 | 0.458 | 178.2 | 0.2 | -0.18 | 1.408 | 78.3 | 0.955 | 21.098 | 23.9 | 161.1 | 0.943D | 41.252A | 0.90 | 0.238 | 162.7 | 166.7 | -59.9 | 0.268 |
| | | 9.74 | 6.03 | 15.78 | ONE | 19.683 | 229.4 | 79.7 | 35.9 | | | | | | | | | | |
| 43910.0 | 46840.0 | 0.520 | 175.8 | 1.4 | -0.15 | 1.407 | 73.1 | 0.957 | 20.895 | 34.5 | 161.6 | 0.901D | 40.889A | 0.86 | 0.237 | 163.1 | 166.8 | -59.5 | 0.268 |
| | | 11.21 | 6.04 | 17.25 | ONE | 19.683 | 229.4 | 79.7 | 36.3 | | | | | | | | | | |
| 43920.0 | 46840.0 | 0.594 | 175.4 | 1.7 | -0.14 | 1.406 | 67.8 | 0.959 | 20.614 | 45.4 | 162.3 | 0.844D | 40.384A | 0.83 | 0.236 | 163.5 | 167.0 | -59.1 | 0.269 |
| | | 13.06 | 6.05 | 19.11 | ONE | 19.683 | 229.4 | 79.7 | 36.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446940.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 46940.0 | 0.593 | 204.1 | -9.4 | 0.28 | 1.402 | 112.3 | 0.952 | 17.678 | 314.2 | 523.8 | 0.843 | 34.514A | 0.52 | 0.218 | 162.2 | 167.6 | -57.8 | 0.254 |
| | | 13.04 | 5.82 | 18.86 | TWO | 18.266 | 224.7 | 78.9 | 39.3 | | | | | | | | | | |
| 43840.0 | 46940.0 | 0.528 | 205.2 | -9.4 | 0.41 | 1.404 | 107.7 | 0.950 | 18.023 | 323.6 | 523.1 | 0.893 | 35.152A | 0.37 | 0.221 | 161.8 | 167.2 | -58.3 | 0.255 |
| | | 11.42 | 5.83 | 17.24 | TWO | 18.266 | 224.7 | 78.9 | 38.7 | | | | | | | | | | |
| 43850.0 | 46940.0 | 0.471 | 204.9 | -7.7 | 0.85 | 1.406 | 103.0 | 0.949 | 18.315 | 333.2 | 522.5 | 0.934 | [illegible]97A | -0.08 | 0.223 | 161.6 | 166.7 | -58.8 | 0.255 |
| | | 10.04 | 5.83 | 15.87 | TWO | 18.266 | 224.7 | 78.9 | 38.2 | | | | | | | | | | |
| 43860.0 | 46940.0 | 0.466 | 189.5 | -35.6 | -9.25 | 1.407 | 98.3 | 0.948 | 18.544 | 343.0 | 522.1 | 0.963 | 36.126A | 10.01 | 0.224 | 161.4 | 172.0 | -59.6 | 0.256 |
| | | 9.93 | 5.85 | 15.78 | ONE | 18.266 | 224.7 | 78.9 | 38.1 | | | | | | | | | | |
| 43870.0 | 46940.0 | 0.397 | 194.8 | -9.1 | -0.72 | 1.407 | 93.4 | 0.948 | 18.700 | 352.9 | 521.9 | 0.980 | 36.420A | 1.47 | 0.225 | 161.4 | 167.3 | -59.5 | 0.256 |
| | | 8.37 | 5.84 | 14.21 | ONE | 18.266 | 224.7 | 78.9 | 37.6 | | | | | | | | | | |
| 43880.0 | 46940.0 | 0.392 | 188.8 | -5.3 | -0.38 | 1.407 | 88.5 | 0.948 | 18.775 | 3.0 | 161.8 | 0.983D | 36.568A | 1.12 | 0.226 | 161.4 | 167.0 | -59.5 | 0.256 |
| | | 8.26 | 5.85 | 14.10 | ONE | 18.266 | 224.7 | 78.9 | 37.5 | | | | | | | | | | |
| 43890.0 | 46940.0 | 0.412 | 182.7 | -2.2 | -0.27 | 1.407 | 83.5 | 0.948 | 18.770 | 13.3 | 161.9 | 0.971D | 36.569A | 0.99 | 0.226 | 161.5 | 167.0 | -59.5 | 0.256 |
| | | 8.70 | 5.85 | 14.55 | ONE | 18.266 | 224.7 | 78.9 | 37.6 | | | | | | | | | | |
| 43900.0 | 46940.0 | 0.455 | 178.3 | 0.1 | -0.21 | 1.406 | 78.4 | 0.949 | 18.686 | 23.8 | 162.2 | 0.944D | 36.428A | 0.92 | 0.225 | 161.7 | 167.1 | -59.2 | 0.257 |
| | | 9.68 | 5.86 | 15.54 | ONE | 18.266 | 224.7 | 78.9 | 37.8 | | | | | | | | | | |
| 43910.0 | 46940.0 | 0.517 | 175.9 | 1.3 | -0.18 | 1.405 | 73.2 | 0.951 | 18.532 | 34.5 | 162.7 | 0.902D | 36.161A | 0.87 | 0.224 | 162.0 | 167.2 | -58.9 | 0.257 |
| | | 11.14 | 5.87 | 17.00 | ONE | 18.266 | 224.7 | 78.9 | 38.1 | | | | | | | | | | |
| 43920.0 | 46940.0 | 0.591 | 175.5 | 1.6 | -0.16 | 1.404 | 67.9 | 0.954 | 18.318 | 45.2 | 163.4 | 0.845D | 35.792A | 0.83 | 0.223 | 162.5 | 167.4 | -58.4 | 0.258 |
| | | 12.97 | 5.88 | 18.85 | ONE | 18.266 | 224.7 | 78.9 | 38.6 | | | | | | | | | | |
| ARRIVAL DATE = 2447040.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47040.0 | 0.592 | 204.3 | -9.4 | 0.30 | 1.400 | 112.3 | 0.948 | 16.206 | 314.0 | 524.8 | 0.842 | 31.570A | 0.50 | 0.206 | 161.1 | 167.9 | -57.0 | 0.244 |
| | | 13.01 | 5.68 | 18.69 | TWO | 18.950 | 220.7 | 78.0 | 41.2 | | | | | | | | | | |
| 43840.0 | 47040.0 | 0.527 | 205.4 | -9.4 | 0.44 | 1.402 | 107.7 | 0.946 | 16.475 | 323.5 | 524.1 | 0.892 | 32.057A | 0.35 | 0.208 | 160.8 | 167.6 | -57.6 | 0.245 |
| | | 11.39 | 5.68 | 17.07 | TWO | 18.950 | 220.7 | 78.0 | 40.6 | | | | | | | | | | |
| 43850.0 | 47040.0 | 0.469 | 205.1 | -7.8 | 0.84 | 1.404 | 103.1 | 0.944 | 16.702 | 333.1 | 523.6 | 0.933 | 32.471A | -0.07 | 0.210 | 160.5 | 167.1 | -58.1 | 0.245 |
| | | 10.01 | 5.68 | 15.69 | TWO | 18.950 | 220.7 | 78.0 | 40.0 | | | | | | | | | | |
| 43870.0 | 47040.0 | 0.395 | 194.7 | -9.7 | -0.90 | 1.405 | 93.5 | 0.942 | 16.997 | 352.8 | 523.0 | 0.980 | 33.015A | 1.64 | 0.213 | 160.3 | 167.7 | -58.8 | 0.245 |
| | | 8.33 | 5.69 | 14.02 | ONE | 18.950 | 220.7 | 78.0 | 39.5 | | | | | | | | | | |
| 43880.0 | 47040.0 | 0.390 | 188.8 | -5.6 | -0.45 | 1.405 | 88.6 | 0.942 | 17.054 | 3.0 | 162.9 | 0.983D | 33.125A | 1.18 | 0.213 | 160.3 | 167.4 | -58.9 | 0.246 |
| | | 8.21 | 5.69 | 13.91 | ONE | 18.950 | 220.7 | 78.0 | 39.4 | | | | | | | | | | |
| 43890.0 | 47040.0 | 0.410 | 182.8 | -2.4 | -0.30 | 1.405 | 83.6 | 0.943 | 17.047 | 13.2 | 163.0 | 0.971D | 33.123A | 1.02 | 0.213 | 160.4 | 167.4 | -58.8 | 0.246 |
| | | 8.65 | 5.70 | 14.35 | ONE | 18.950 | 220.7 | 78.0 | 39.4 | | | | | | | | | | |
| 43900.0 | 47040.0 | 0.453 | 178.4 | -0.1 | -0.24 | 1.404 | 78.5 | 0.944 | 16.979 | 23.7 | 163.3 | 0.944D | 33.014A | 0.94 | 0.212 | 160.6 | 167.4 | -58.6 | 0.246 |
| | | 9.62 | 5.70 | 15.33 | ONE | 18.950 | 220.7 | 78.0 | 39.6 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43910.0 | 47040.0 | 0.514 | 176.0 | 1.2 | -0.20 | 1.403 | 73.3 | 0.946 | 16.856 | 34.3 | 163.7 | 0.903D | 32.810A | 0.88 | 0.211 | 161.0 | 167.6 | -58.2 | 0.247 |
| | | 11.06 | 5.71 | 16.77 | ONE | 18.950 | 220.7 | 78.0 | 40.0 | | | | | | | | | | |
| 43920.0 | 47040.0 | 0.587 | 175.6 | 1.5 | -0.18 | 1.402 | 68.1 | 0.949 | 16.686 | 45.1 | 164.4 | 0.847D | 32.526A | 0.84 | 0.210 | 161.4 | 167.8 | -57.8 | 0.248 |
| | | 12.88 | 5.72 | 18.60 | ONE | 18.950 | 220.7 | 78.0 | 40.5 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447140.0 | | | | | | | | | | | | |
| 43830.0 | 47140.0 | 0.592 | 204.5 | -9.4 | 0.32 | 1.399 | 112.4 | 0.944 | 15.097 | 313.8 | 525.7 | 0.841 | 29.353A | 0.48 | 0.194 | 160.0 | 168.3 | -56.3 | 0.235 |
| | | 13.00 | 5.54 | 18.55 | TWO | 20.214 | 217.3 | 77.1 | 43.1 | | | | | | | | | | |
| 43840.0 | 47140.0 | 0.526 | 205.6 | -9.4 | 0.46 | 1.401 | 107.8 | 0.942 | 15.315 | 323.3 | 525.1 | 0.892 | 29.738A | 0.33 | 0.197 | 159.6 | 167.9 | -56.9 | 0.235 |
| | | 11.37 | 5.54 | 16.92 | TWO | 20.214 | 217.3 | 77.1 | 42.5 | | | | | | | | | | |
| 43850.0 | 47140.0 | 0.468 | 205.3 | -7.9 | 0.84 | 1.402 | 103.1 | 0.940 | 15.498 | 332.9 | 524.6 | 0.933 | 30.064A | -0.06 | 0.199 | 159.4 | 167.5 | -57.4 | 0.236 |
| | | 9.99 | 5.55 | 15.53 | TWO | 20.214 | 217.3 | 77.1 | 42.0 | | | | | | | | | | |
| 43860.0 | 47140.0 | 0.443 | 209.6 | 10.1 | 6.49 | 1.403 | 98.4 | 0.938 | 15.640 | 342.7 | 524.2 | 0.962 | 30.317A | -5.74 | 0.200 | 159.2 | 164.3 | -57.2 | 0.236 |
| | | 9.40 | 5.55 | 14.95 | TWO | 20.214 | 217.3 | 77.1 | 41.7 | | | | | | | | | | |
| 43870.0 | 47140.0 | 0.394 | 194.6 | -10.6 | -1.12 | 1.404 | 93.5 | 0.938 | 15.734 | 352.7 | 524.0 | 0.980 | 30.489A | 1.86 | 0.201 | 159.1 | 168.2 | -58.1 | 0.236 |
| | | 8.31 | 5.55 | 13.86 | ONE | 20.214 | 217.3 | 77.1 | 41.4 | | | | | | | | | | |
| 43880.0 | 47140.0 | 0.388 | 188.9 | -5.9 | -0.52 | 1.404 | 88.6 | 0.938 | 15.779 | 2.8 | 163.9 | 0.983D | 30.574A | 1.25 | 0.201 | 159.1 | 167.9 | -58.2 | 0.236 |
| | | 8.18 | 5.55 | 13.73 | ONE | 20.214 | 217.3 | 77.1 | 41.3 | | | | | | | | | | |
| 43890.0 | 47140.0 | 0.408 | 183.0 | -2.6 | -0.35 | 1.403 | 83.7 | 0.938 | 15.771 | 13.1 | 164.0 | 0.971D | 30.571A | 1.06 | 0.201 | 159.3 | 167.8 | -58.1 | 0.236 |
| | | 8.60 | 5.56 | 14.16 | ONE | 20.214 | 217.3 | 77.1 | 41.3 | | | | | | | | | | |
| 43900.0 | 47140.0 | 0.450 | 178.5 | -0.2 | -0.27 | 1.403 | 78.6 | 0.940 | 15.715 | 23.5 | 164.3 | 0.945D | 30.485A | 0.96 | 0.201 | 159.5 | 167.8 | -57.9 | 0.237 |
| | | 9.56 | 5.57 | 15.13 | ONE | 20.214 | 217.3 | 77.1 | 41.5 | | | | | | | | | | |
| 43910.0 | 47140.0 | 0.510 | 176.2 | 1.0 | -0.22 | 1.402 | 73.5 | 0.942 | 15.613 | 34.1 | 164.7 | 0.904D | 30.323A | 0.90 | 0.200 | 159.8 | 167.9 | -57.5 | 0.237 |
| | | 10.98 | 5.57 | 16.56 | ONE | 20.214 | 217.3 | 77.1 | 41.9 | | | | | | | | | | |
| 43920.0 | 47140.0 | 0.583 | 175.8 | 1.4 | -0.20 | 1.400 | 68.3 | 0.945 | 15.473 | 44.8 | 165.3 | 0.848D | 30.099A | 0.85 | 0.198 | 160.3 | 168.1 | -57.0 | 0.238 |
| | | 12.78 | 5.59 | 18.37 | ONE | 20.214 | 217.3 | 77.1 | 42.4 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447240.0 | | | | | | | | | | | | |
| 43830.0 | 47240.0 | 0.592 | 204.7 | -9.5 | 0.34 | 1.397 | 112.5 | 0.941 | 14.236 | 313.5 | 526.6 | 0.839 | 27.633A | 0.47 | 0.183 | 158.8 | 168.6 | -55.5 | 0.227 |
| | | 13.01 | 5.43 | 18.44 | TWO | 19.265 | 214.3 | 76.2 | 45.1 | | | | | | | | | | |
| 43840.0 | 47240.0 | 0.526 | 205.9 | -9.4 | 0.47 | 1.399 | 107.9 | 0.938 | 14.418 | 323.0 | 526.0 | 0.891 | 27.945A | 0.32 | 0.186 | 158.4 | 168.3 | -56.1 | 0.227 |
| | | 11.37 | 5.43 | 16.80 | TWO | 19.265 | 214.3 | 76.2 | 44.4 | | | | | | | | | | |
| 43850.0 | 47240.0 | 0.468 | 205.6 | -8.0 | 0.83 | 1.401 | 103.2 | 0.936 | 14.570 | 332.7 | 525.5 | 0.932 | 28.209A | -0.06 | 0.188 | 158.2 | 167.8 | -56.6 | 0.227 |
| | | 9.98 | 5.43 | 15.40 | TWO | 19.265 | 214.3 | 76.2 | 43.9 | | | | | | | | | | |
| 43860.0 | 47240.0 | 0.429 | 206.6 | 2.9 | 3.98 | 1.402 | 98.4 | 0.934 | 14.688 | 342.5 | 525.2 | 0.962 | 28.413A | -3.23 | 0.189 | 158.0 | 165.9 | -56.7 | 0.227 |
| | | 9.09 | 5.43 | 14.51 | TWO | 19.265 | 214.3 | 76.2 | 43.5 | | | | | | | | | | |
| 43870.0 | 47240.0 | 0.393 | 194.6 | -11.6 | -1.41 | 1.402 | 93.6 | 0.934 | 14.766 | 352.5 | 525.0 | 0.979 | 28.552A | 2.14 | 0.190 | 157.9 | 168.8 | -57.4 | 0.227 |
| | | 8.29 | 5.43 | 13.72 | ONE | 19.265 | 214.3 | 76.2 | 43.3 | | | | | | | | | | |
| 43880.0 | 47240.0 | 0.386 | 189.1 | -6.3 | -0.61 | 1.402 | 88.7 | 0.934 | 14.801 | 2.6 | 164.9 | 0.983D | 28.620A | 1.33 | 0.190 | 157.9 | 168.3 | -57.4 | 0.227 |
| | | 8.14 | 5.43 | 13.58 | ONE | 19.265 | 214.3 | 76.2 | 43.2 | | | | | | | | | | |
| 43890.0 | 47240.0 | 0.405 | 183.2 | -2.9 | -0.39 | 1.402 | 83.8 | 0.934 | 14.794 | 12.9 | 165.0 | 0.972D | 28.617A | 1.10 | 0.190 | 158.0 | 168.2 | -57.4 | 0.228 |
| | | 8.56 | 5.44 | 13.99 | ONE | 19.265 | 214.3 | 76.2 | 43.2 | | | | | | | | | | |
| 43900.0 | 47240.0 | 0.447 | 178.7 | -0.5 | -0.30 | 1.401 | 78.7 | 0.936 | 14.746 | 23.3 | 165.2 | 0.946D | 28.547A | 0.99 | 0.190 | 158.3 | 168.2 | -57.2 | 0.228 |
| | | 9.50 | 5.44 | 14.94 | ONE | 19.265 | 214.3 | 76.2 | 43.4 | | | | | | | | | | |
| 43910.0 | 47240.0 | 0.507 | 176.4 | 0.9 | -0.25 | 1.400 | 73.6 | 0.938 | 14.660 | 33.9 | 165.6 | 0.905D | 28.416A | 0.92 | 0.189 | 158.6 | 168.3 | -56.8 | 0.229 |
| | | 10.90 | 5.45 | 16.35 | ONE | 19.265 | 214.3 | 76.2 | 43.8 | | | | | | | | | | |
| 43920.0 | 47240.0 | 0.579 | 176.0 | 1.2 | -0.22 | 1.399 | 68.4 | 0.942 | 14.542 | 44.5 | 166.2 | 0.850D | 28.234A | 0.86 | 0.187 | 159.1 | 168.5 | -56.3 | 0.230 |
| | | 12.68 | 5.46 | 18.15 | ONE | 19.265 | 214.3 | 76.2 | 44.3 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447340.0 | | | | | | | | | | | | |
| 43830.0 | 47340.0 | 0.593 | 205.0 | -9.6 | 0.35 | 1.396 | 112.6 | 0.938 | 13.553 | 313.2 | 527.4 | 0.838 | 26.269A | 0.45 | 0.173 | 157.6 | 169.0 | -54.7 | 0.219 |
| | | 13.03 | 5.32 | 18.35 | TWO | 18.269 | 211.7 | 75.2 | 47.1 | | | | | | | | | | |
| 43840.0 | 47340.0 | 0.527 | 206.2 | -9.5 | 0.49 | 1.398 | 108.0 | 0.935 | 13.709 | 322.8 | 526.9 | 0.889 | 26.528A | 0.30 | 0.176 | 157.2 | 168.6 | -55.3 | 0.219 |
| | | 11.38 | 5.32 | 16.70 | TWO | 18.269 | 211.7 | 75.2 | 46.4 | | | | | | | | | | |
| 43850.0 | 47340.0 | 0.468 | 205.9 | -8.1 | 0.83 | 1.399 | 103.3 | 0.933 | 13.838 | 332.4 | 526.4 | 0.931 | 26.745A | -0.05 | 0.177 | 156.9 | 168.2 | -55.8 | 0.219 |
| | | 9.98 | 5.32 | 15.30 | TWO | 18.269 | 211.7 | 75.2 | 45.9 | | | | | | | | | | |
| 43860.0 | 47340.0 | 0.425 | 205.8 | -0.2 | 3.00 | 1.400 | 98.5 | 0.931 | 13.938 | 342.3 | 526.1 | 0.961 | 26.914A | -2.25 | 0.179 | 156.7 | 166.8 | -56.0 | 0.219 |
| | | 9.00 | 5.32 | 14.32 | TWO | 18.269 | 211.7 | 75.2 | 45.5 | | | | | | | | | | |
| 43870.0 | 47340.0 | 0.393 | 194.4 | -13.1 | -1.80 | 1.401 | 93.7 | 0.930 | 14.003 | 352.3 | 525.9 | 0.979 | 27.028A | 2.53 | 0.180 | 156.6 | 169.4 | -56.7 | 0.219 |
| | | 8.29 | 5.32 | 13.61 | ONE | 18.269 | 211.7 | 75.2 | 45.2 | | | | | | | | | | |
| 43880.0 | 47340.0 | 0.385 | 189.4 | -6.8 | -0.70 | 1.401 | 88.9 | 0.930 | 14.033 | 2.4 | 165.8 | 0.983D | 27.084A | 1.42 | 0.180 | 156.6 | 168.7 | -56.7 | 0.219 |
| | | 8.11 | 5.32 | 13.44 | ONE | 18.269 | 211.7 | 75.2 | 45.1 | | | | | | | | | | |
| 43890.0 | 47340.0 | 0.403 | 183.5 | -3.2 | -0.44 | 1.401 | 83.9 | 0.931 | 14.027 | 12.7 | 165.9 | 0.972D | 27.082A | 1.14 | 0.180 | 156.8 | 168.6 | -56.6 | 0.220 |
| | | 8.51 | 5.33 | 13.84 | ONE | 18.269 | 211.7 | 75.2 | 45.2 | | | | | | | | | | |
| 43900.0 | 47340.0 | 0.445 | 179.0 | -0.7 | -0.33 | 1.400 | 78.9 | 0.932 | 13.985 | 23.1 | 166.1 | 0.947D | 27.024A | 1.01 | 0.180 | 157.0 | 168.6 | -56.4 | 0.220 |
| | | 9.43 | 5.33 | 14.77 | ONE | 18.269 | 211.7 | 75.2 | 45.4 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43910.0 | 47340.0 | 0.504 | 176.6 | 0.7 | -0.27 | 1.399 | 73.8 | 0.935 | 13.911 | 33.6 | 166.5 | 0.906D | 26.916A | 0.93 | 0.179 | 157.4 | 168.7 | -56.0 | 0.221 |
| | | 10.82 | 5.34 | 16.16 | ONE | 18.269 | 211.7 | 75.2 | 45.8 | | | | | | | | | | |
| 43920.0 | 47340.0 | 0.575 | 176.2 | 1.1 | -0.24 | 1.397 | 68.6 | 0.938 | 13.809 | 44.2 | 167.0 | 0.852D | 26.766A | 0.88 | 0.177 | 157.9 | 168.8 | -55.5 | 0.222 |
| | | 12.58 | 5.35 | 17.94 | ONE | 18.269 | 211.7 | 75.2 | 46.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447440.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47440.0 | 0.594 | 205.3 | -9.6 | 0.37 | 1.395 | 112.7 | 0.936 | 13.002 | 312.9 | 528.3 | 0.836 | 25.168A | 0.44 | 0.164 | 156.2 | 169.3 | -53.8 | 0.213 |
| | | 13.06 | 5.23 | 18.29 | TWO | 19.531 | 209.4 | 74.2 | 49.2 | | | | | | | | | | |
| 43840.0 | 47440.0 | 0.528 | 206.5 | -9.6 | 0.50 | 1.397 | 108.1 | 0.932 | 13.136 | 322.4 | 527.7 | 0.888 | 25.385A | 0.29 | 0.166 | 155.8 | 169.0 | -54.5 | 0.212 |
| | | 11.40 | 5.23 | 16.63 | TWO | 19.531 | 209.4 | 74.2 | 48.5 | | | | | | | | | | |
| 43850.0 | 47440.0 | 0.469 | 206.2 | -8.3 | 0.82 | 1.398 | 103.4 | 0.930 | 13.249 | 332.1 | 527.3 | 0.930 | 25.567A | -0.05 | 0.168 | 155.6 | 168.6 | -55.0 | 0.212 |
| | | 9.99 | 5.22 | 15.21 | TWO | 19.531 | 209.4 | 74.2 | 47.9 | | | | | | | | | | |
| 43860.0 | 47440.0 | 0.424 | 205.5 | -1.9 | 2.48 | 1.399 | 98.7 | 0.928 | 13.335 | 342.0 | 527.0 | 0.961 | 25.709A | -1.72 | 0.169 | 155.4 | 167.4 | -55.3 | 0.212 |
| | | 8.97 | 5.22 | 14.19 | TWO | 19.531 | 209.4 | 74.2 | 47.5 | | | | | | | | | | |
| 43870.0 | 47440.0 | 0.394 | 194.1 | -15.1 | -2.36 | 1.400 | 93.9 | 0.927 | 13.392 | 352.0 | 526.8 | 0.979 | 25.805A | 3.09 | 0.170 | 155.3 | 170.1 | -55.9 | 0.212 |
| | | 8.30 | 5.22 | 13.53 | ONE | 19.531 | 209.4 | 74.2 | 47.2 | | | | | | | | | | |
| 43880.0 | 47440.0 | 0.384 | 189.7 | -7.4 | -0.81 | 1.400 | 89.0 | 0.927 | 13.418 | 2.1 | 166.7 | 0.983D | 25.852A | 1.52 | 0.171 | 155.3 | 169.1 | -55.9 | 0.212 |
| | | 8.09 | 5.23 | 13.31 | ONE | 19.531 | 209.4 | 74.2 | 47.1 | | | | | | | | | | |
| 43890.0 | 47440.0 | 0.401 | 183.8 | -3.5 | -0.50 | 1.399 | 84.1 | 0.927 | 13.412 | 12.4 | 166.8 | 0.973D | 25.851A | 1.19 | 0.171 | 155.4 | 169.0 | -55.8 | 0.212 |
| | | 8.47 | 5.23 | 13.69 | ONE | 19.531 | 209.4 | 74.2 | 47.2 | | | | | | | | | | |
| 43900.0 | 47440.0 | 0.442 | 179.3 | -1.0 | -0.37 | 1.399 | 79.0 | 0.929 | 13.375 | 22.8 | 167.0 | 0.948D | 25.803A | 1.04 | 0.170 | 155.7 | 169.0 | -55.6 | 0.213 |
| | | 9.37 | 5.24 | 14.61 | ONE | 19.531 | 209.4 | 74.2 | 47.4 | | | | | | | | | | |
| 43910.0 | 47440.0 | 0.500 | 176.9 | 0.5 | -0.30 | 1.398 | 74.0 | 0.932 | 13.310 | 33.3 | 167.3 | 0.908D | 25.713A | 0.95 | 0.169 | 156.0 | 169.0 | -55.2 | 0.214 |
| | | 10.74 | 5.24 | 15.98 | ONE | 19.531 | 209.4 | 74.2 | 47.7 | | | | | | | | | | |
| 43920.0 | 47440.0 | 0.571 | 176.5 | 0.9 | -0.26 | 1.396 | 68.8 | 0.935 | 13.221 | 43.9 | 167.8 | 0.855D | 25.587A | 0.89 | 0.167 | 156.5 | 169.2 | -54.7 | 0.215 |
| | | 12.48 | 5.26 | 17.74 | ONE | 19.531 | 209.4 | 74.2 | 48.2 | | | | | | | | | | |
| ARRIVAL DATE = 2447540.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47540.0 | 0.596 | 205.6 | -9.7 | 0.39 | 1.394 | 112.9 | 0.934 | 12.550 | 312.5 | 529.0 | 0.834 | 24.266A | 0.43 | 0.154 | 154.8 | 169.7 | -52.9 | 0.206 |
| | | 13.10 | 5.15 | 18.25 | TWO | 20.230 | 207.3 | 73.2 | 51.2 | | | | | | | | | | |
| 43840.0 | 47540.0 | 0.529 | 206.9 | -9.7 | 0.52 | 1.396 | 108.2 | 0.930 | 12.669 | 322.1 | 528.5 | 0.886 | 24.451A | 0.28 | 0.157 | 154.4 | 169.3 | -53.6 | 0.206 |
| | | 11.43 | 5.14 | 16.57 | TWO | 20.230 | 207.3 | 73.2 | 50.5 | | | | | | | | | | |
| 43850.0 | 47540.0 | 0.469 | 206.6 | -8.5 | 0.82 | 1.397 | 103.6 | 0.927 | 12.767 | 331.8 | 528.1 | 0.929 | 24.606A | -0.05 | 0.159 | 154.1 | 168.9 | -54.2 | 0.206 |
| | | 10.01 | 5.14 | 15.15 | TWO | 20.230 | 207.3 | 73.2 | 49.9 | | | | | | | | | | |
| 43860.0 | 47540.0 | 0.423 | 205.6 | -3.1 | 2.15 | 1.398 | 98.8 | 0.925 | 12.843 | 341.7 | 527.8 | 0.960 | 24.727A | -1.40 | 0.160 | 154.0 | 168.0 | -54.5 | 0.205 |
| | | 8.96 | 5.14 | 14.09 | TWO | 20.230 | 207.3 | 73.2 | 49.5 | | | | | | | | | | |
| 43870.0 | 47540.0 | 0.396 | 193.4 | -18.2 | -3.24 | 1.399 | 94.0 | 0.924 | 12.893 | 351.7 | 527.6 | 0.978 | 24.808A | 3.97 | 0.161 | 153.9 | 171.0 | -55.1 | 0.206 |
| | | 8.35 | 5.14 | 13.49 | ONE | 20.230 | 207.3 | 73.2 | 49.3 | | | | | | | | | | |
| 43880.0 | 47540.0 | 0.383 | 190.0 | -8.0 | -0.93 | 1.399 | 89.1 | 0.924 | 12.916 | 1.8 | 167.5 | 0.983D | 24.849A | 1.64 | 0.162 | 153.9 | 169.6 | -55.1 | 0.206 |
| | | 8.06 | 5.14 | 13.20 | ONE | 20.230 | 207.3 | 73.2 | 49.1 | | | | | | | | | | |
| 43890.0 | 47540.0 | 0.399 | 184.2 | -3.9 | -0.55 | 1.398 | 84.2 | 0.925 | 12.911 | 12.0 | 167.6 | 0.973D | 24.848A | 1.24 | 0.162 | 154.0 | 169.4 | -55.0 | 0.206 |
| | | 8.42 | 5.14 | 13.56 | ONE | 20.230 | 207.3 | 73.2 | 49.2 | | | | | | | | | | |
| 43900.0 | 47540.0 | 0.439 | 179.7 | -1.3 | -0.40 | 1.398 | 79.2 | 0.926 | 12.879 | 22.4 | 167.8 | 0.949D | 24.808A | 1.07 | 0.161 | 154.2 | 169.3 | -54.8 | 0.206 |
| | | 9.31 | 5.15 | 14.46 | ONE | 20.230 | 207.3 | 73.2 | 49.4 | | | | | | | | | | |
| 43910.0 | 47540.0 | 0.497 | 177.3 | 0.2 | -0.33 | 1.397 | 74.2 | 0.929 | 12.821 | 32.9 | 168.1 | 0.910D | 24.732A | 0.97 | 0.160 | 154.6 | 169.4 | -54.4 | 0.207 |
| | | 10.65 | 5.16 | 15.81 | ONE | 20.230 | 207.3 | 73.2 | 49.7 | | | | | | | | | | |
| 43920.0 | 47540.0 | 0.567 | 176.8 | 0.7 | -0.28 | 1.395 | 69.1 | 0.933 | 12.742 | 43.5 | 168.6 | 0.857D | 24.626A | 0.90 | 0.158 | 155.1 | 169.5 | -53.9 | 0.208 |
| | | 12.38 | 5.17 | 17.55 | ONE | 20.230 | 207.3 | 73.2 | 50.2 | | | | | | | | | | |
| 43930.0 | 47540.0 | 0.646 | 177.9 | 0.4 | -0.25 | 1.393 | 63.9 | 0.937 | 12.644 | 54.1 | 169.1 | 0.792D | 24.497A | 0.85 | 0.156 | 155.8 | 169.7 | -53.3 | 0.209 |
| | | 14.39 | 5.19 | 19.57 | ONE | 20.230 | 207.3 | 73.2 | 50.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447640.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47640.0 | 0.598 | 206.0 | -9.8 | 0.40 | 1.393 | 113.1 | 0.932 | 12.175 | 312.1 | 529.8 | 0.831 | 23.519A | 0.42 | 0.146 | 153.3 | 170.0 | -52.1 | 0.201 |
| | | 13.15 | 5.08 | 18.23 | TWO | 18.839 | 205.5 | 72.2 | 53.3 | | | | | | | | | | |
| 43840.0 | 47640.0 | 0.530 | 207.3 | -9.8 | 0.53 | 1.395 | 108.4 | 0.928 | 12.281 | 321.7 | 529.3 | 0.884 | 23.678A | 0.27 | 0.148 | 152.9 | 169.7 | -52.8 | 0.200 |
| | | 11.47 | 5.07 | 16.54 | TWO | 18.839 | 205.5 | 72.2 | 52.5 | | | | | | | | | | |
| 43850.0 | 47640.0 | 0.471 | 207.1 | -8.7 | 0.81 | 1.396 | 103.7 | 0.925 | 12.370 | 331.4 | 528.9 | 0.927 | 23.812A | -0.04 | 0.150 | 152.6 | 169.3 | -53.3 | 0.200 |
| | | 10.04 | 5.06 | 15.10 | TWO | 18.839 | 205.5 | 72.2 | 52.0 | | | | | | | | | | |
| 43860.0 | 47640.0 | 0.424 | 205.8 | -3.9 | 1.93 | 1.397 | 99.0 | 0.923 | 12.437 | 341.3 | 528.6 | 0.959 | 23.915A | -1.18 | 0.152 | 152.4 | 168.4 | -53.6 | 0.199 |
| | | 8.96 | 5.06 | 14.02 | TWO | 18.839 | 205.5 | 72.2 | 51.5 | | | | | | | | | | |
| 43870.0 | 47640.0 | 0.403 | 191.7 | -23.4 | -4.81 | 1.398 | 94.2 | 0.922 | 12.482 | 351.3 | 528.4 | 0.978 | 23.986A | 5.54 | 0.153 | 152.3 | 172.3 | -54.4 | 0.200 |
| | | 8.50 | 5.06 | 13.56 | ONE | 18.839 | 205.5 | 72.2 | 51.3 | | | | | | | | | | |
| 43880.0 | 47640.0 | 0.382 | 190.4 | -8.8 | -1.08 | 1.398 | 89.3 | 0.921 | 12.502 | 1.4 | 168.3 | 0.983D | 24.022A | 1.78 | 0.153 | 152.4 | 170.0 | -54.3 | 0.199 |
| | | 8.04 | 5.06 | 13.11 | ONE | 18.839 | 205.5 | 72.2 | 51.1 | | | | | | | | | | |
| 43890.0 | 47640.0 | 0.397 | 184.7 | -4.4 | -0.62 | 1.398 | 84.4 | 0.922 | 12.498 | 11.7 | 168.4 | 0.974D | 24.022A | 1.30 | 0.153 | 152.5 | 169.7 | -54.2 | 0.200 |
| | | 8.38 | 5.07 | 13.44 | ONE | 18.839 | 205.5 | 72.2 | 51.2 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43900.0 | 47640.0 | 0.436 | 180.2 | -1.6 | -0.44 | 1.397 | 79.4 | 0.924 | 12.469 | 22.0 | 168.6 | 0.950D | 23.988A | 1.10 | 0.152 | 152.7 | 169.7 | -54.0 | 0.200 |
| | | 9.24 | 5.07 | 14.31 | ONE | 18.839 | 205.5 | 72.2 | 51.4 | | | | | | | | | | |
| 43910.0 | 47640.0 | 0.493 | 177.7 | -0.0 | -0.35 | 1.396 | 74.4 | 0.927 | 12.418 | 32.5 | 168.9 | 0.912D | 23.924A | 0.99 | 0.151 | 153.1 | 169.8 | -53.6 | 0.201 |
| | | 10.57 | 5.08 | 15.65 | ONE | 18.839 | 205.5 | 72.2 | 51.7 | | | | | | | | | | |
| 43920.0 | 47640.0 | 0.563 | 177.2 | 0.5 | -0.30 | 1.394 | 69.3 | 0.930 | 12.347 | 43.0 | 169.3 | 0.860D | 23.833A | 0.91 | 0.150 | 153.6 | 169.9 | -53.1 | 0.202 |
| | | 12.27 | 5.09 | 17.36 | ONE | 18.839 | 205.5 | 72.2 | 52.2 | | | | | | | | | | |
| 43930.0 | 47640.0 | 0.641 | 178.3 | 0.2 | -0.27 | 1.392 | 64.2 | 0.935 | 12.259 | 53.6 | 169.8 | 0.795D | 23.723A | 0.85 | 0.148 | 154.3 | 170.1 | -52.5 | 0.203 |
| | | 14.26 | 5.11 | 19.37 | ONE | 18.839 | 205.5 | 72.2 | 52.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447740.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47740.0 | 0.600 | 206.4 | -10.0 | 0.41 | 1.392 | 113.2 | 0.930 | 11.862 | 311.6 | 530.5 | 0.829 | 22.895A | 0.41 | 0.138 | 151.7 | 170.3 | -51.2 | 0.195 |
| | | 13.21 | 5.01 | 18.22 | TWO | 18.533 | 203.9 | 71.2 | 55.4 | | | | | | | | | | |
| 43840.0 | 47740.0 | 0.532 | 207.7 | -10.0 | 0.54 | 1.394 | 108.6 | 0.926 | 11.958 | 321.3 | 530.0 | 0.882 | 23.033A | 0.26 | 0.140 | 151.3 | 170.0 | -51.9 | 0.195 |
| | | 11.52 | 5.00 | 16.52 | TWO | 18.533 | 203.9 | 71.2 | 54.6 | | | | | | | | | | |
| 43850.0 | 47740.0 | 0.472 | 207.6 | -8.9 | 0.81 | 1.395 | 103.9 | 0.923 | 12.037 | 331.0 | 529.6 | 0.926 | 23.149A | -0.04 | 0.142 | 151.0 | 169.6 | -52.4 | 0.194 |
| | | 10.07 | 5.00 | 15.07 | TWO | 18.533 | 203.9 | 71.2 | 54.0 | | | | | | | | | | |
| 43860.0 | 47740.0 | 0.424 | 206.1 | -4.7 | 1.77 | 1.396 | 99.2 | 0.921 | 12.099 | 340.9 | 529.3 | 0.958 | 23.239A | -1.02 | 0.144 | 150.8 | 168.9 | -52.8 | 0.194 |
| | | 8.97 | 4.99 | 13.96 | TWO | 18.533 | 203.9 | 71.2 | 53.6 | | | | | | | | | | |
| 43870.0 | 47740.0 | 0.428 | 187.1 | -34.3 | -8.42 | 1.397 | 94.3 | 0.919 | 12.139 | 350.9 | 529.1 | 0.977 | 23.301A | 9.14 | 0.145 | 150.7 | 174.9 | -53.6 | 0.195 |
| | | 9.05 | 5.00 | 14.05 | ONE | 18.533 | 203.9 | 71.2 | 53.5 | | | | | | | | | | |
| 43880.0 | 47740.0 | 0.381 | 190.8 | -9.6 | -1.25 | 1.397 | 89.5 | 0.919 | 12.158 | 1.0 | 169.1 | 0.983D | 23.332A | 1.95 | 0.145 | 150.7 | 170.5 | -53.4 | 0.194 |
| | | 8.03 | 4.99 | 13.02 | ONE | 18.533 | 203.9 | 71.2 | 53.2 | | | | | | | | | | |
| 43890.0 | 47740.0 | 0.396 | 185.2 | -4.9 | -0.69 | 1.397 | 84.6 | 0.920 | 12.154 | 11.3 | 169.1 | 0.975D | 23.333A | 1.37 | 0.145 | 150.9 | 170.1 | -53.3 | 0.194 |
| | | 8.34 | 5.00 | 13.33 | ONE | 18.533 | 203.9 | 71.2 | 53.2 | | | | | | | | | | |
| 43900.0 | 47740.0 | 0.433 | 180.6 | -2.0 | -0.48 | 1.396 | 79.6 | 0.922 | 12.128 | 21.6 | 169.3 | 0.951D | 23.305A | 1.14 | 0.145 | 151.1 | 170.1 | -53.1 | 0.195 |
| | | 9.18 | 5.00 | 14.18 | ONE | 18.533 | 203.9 | 71.2 | 53.4 | | | | | | | | | | |
| 43910.0 | 47740.0 | 0.489 | 178.1 | -0.3 | -0.38 | 1.395 | 74.6 | 0.924 | 12.082 | 32.0 | 169.6 | 0.914D | 23.250A | 1.01 | 0.143 | 151.5 | 170.1 | -52.8 | 0.195 |
| | | 10.48 | 5.01 | 15.49 | ONE | 18.533 | 203.9 | 71.2 | 53.7 | | | | | | | | | | |
| 43920.0 | 47740.0 | 0.558 | 177.5 | 0.2 | -0.33 | 1.393 | 69.6 | 0.928 | 12.017 | 42.6 | 170.0 | 0.863D | 23.172A | 0.93 | 0.142 | 152.0 | 170.2 | -52.3 | 0.196 |
| | | 12.16 | 5.03 | 17.19 | ONE | 18.533 | 203.9 | 71.2 | 54.2 | | | | | | | | | | |
| 43930.0 | 47740.0 | 0.636 | 178.6 | -0.0 | -0.29 | 1.392 | 64.4 | 0.933 | 11.938 | 53.1 | 170.5 | 0.799D | 23.077A | 0.86 | 0.140 | 152.7 | 170.4 | -51.7 | 0.198 |
| | | 14.13 | 5.04 | 19.17 | ONE | 18.533 | 203.9 | 71.2 | 54.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447840.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47840.0 | 0.603 | 206.8 | -10.1 | 0.43 | 1.392 | 113.5 | 0.929 | 11.598 | 311.2 | 531.2 | 0.826 | 22.371A | 0.40 | 0.131 | 150.1 | 170.6 | -50.3 | 0.191 |
| | | 13.28 | 4.95 | 18.24 | TWO | 20.046 | 202.5 | 70.1 | 57.4 | | | | | | | | | | |
| 43840.0 | 47840.0 | 0.535 | 208.2 | -10.1 | 0.55 | 1.393 | 108.8 | 0.925 | 11.685 | 320.8 | 530.7 | 0.880 | 22.491A | 0.25 | 0.133 | 149.6 | 170.3 | -51.0 | 0.190 |
| | | 11.58 | 4.94 | 16.52 | TWO | 20.046 | 202.5 | 70.1 | 56.7 | | | | | | | | | | |
| 43850.0 | 47840.0 | 0.474 | 208.1 | -9.1 | 0.81 | 1.395 | 104.1 | 0.921 | 11.758 | 330.6 | 530.3 | 0.924 | 22.592A | -0.04 | 0.135 | 149.3 | 169.9 | -51.5 | 0.189 |
| | | 10.11 | 4.94 | 15.05 | TWO | 20.046 | 202.5 | 70.1 | 56.1 | | | | | | | | | | |
| 43860.0 | 47840.0 | 0.425 | 206.6 | -5.3 | 1.64 | 1.396 | 99.4 | 0.919 | 11.814 | 340.5 | 530.1 | 0.957 | 22.671A | -0.90 | 0.136 | 149.2 | 169.3 | -51.9 | 0.189 |
| | | 8.99 | 4.93 | 13.92 | TWO | 20.046 | 202.5 | 70.1 | 55.6 | | | | | | | | | | |
| 43870.0 | 47840.0 | 0.638 | 155.2 | -65.6 | -24.50 | 1.396 | 94.5 | 0.918 | 11.851 | 350.5 | 529.9 | 0.977 | 22.725A | 25.22 | 0.137 | 149.0 | 184.2 | -52.3 | 0.197 |
| | | 14.18 | 5.03 | 19.20 | ONE | 20.046 | 202.5 | 70.1 | 56.9 | | | | | | | | | | |
| 43880.0 | 47840.0 | 0.381 | 191.1 | -10.6 | -1.46 | 1.396 | 89.7 | 0.917 | 11.868 | 0.6 | 169.8 | 0.983D | 22.753A | 2.16 | 0.138 | 149.1 | 170.9 | -52.6 | 0.189 |
| | | 8.02 | 4.93 | 12.95 | ONE | 20.046 | 202.5 | 70.1 | 55.2 | | | | | | | | | | |
| 43890.0 | 47840.0 | 0.394 | 185.7 | -5.4 | -0.76 | 1.396 | 84.8 | 0.918 | 11.865 | 10.8 | 169.8 | 0.975D | 22.755A | 1.44 | 0.138 | 149.2 | 170.5 | -52.5 | 0.189 |
| | | 8.30 | 4.93 | 13.23 | ONE | 20.046 | 202.5 | 70.1 | 55.2 | | | | | | | | | | |
| 43900.0 | 47840.0 | 0.430 | 181.2 | -2.3 | -0.53 | 1.395 | 79.9 | 0.920 | 11.842 | 21.2 | 170.0 | 0.953D | 22.731A | 1.18 | 0.137 | 149.4 | 170.4 | -52.3 | 0.190 |
| | | 9.11 | 4.94 | 14.06 | ONE | 20.046 | 202.5 | 70.1 | 55.4 | | | | | | | | | | |
| 43910.0 | 47840.0 | 0.486 | 178.6 | -0.6 | -0.41 | 1.394 | 74.9 | 0.922 | 11.800 | 31.6 | 170.3 | 0.916D | 22.684A | 1.03 | 0.136 | 149.8 | 170.4 | -51.9 | 0.190 |
| | | 10.39 | 4.95 | 15.34 | ONE | 20.046 | 202.5 | 70.1 | 55.8 | | | | | | | | | | |
| 43920.0 | 47840.0 | 0.554 | 178.0 | -0.0 | -0.35 | 1.393 | 69.8 | 0.926 | 11.741 | 42.1 | 170.6 | 0.865D | 22.617A | 0.94 | 0.135 | 150.3 | 170.5 | -51.4 | 0.191 |
| | | 12.05 | 4.96 | 17.02 | ONE | 20.046 | 202.5 | 70.1 | 56.3 | | | | | | | | | | |
| 43930.0 | 47840.0 | 0.631 | 179.0 | -0.2 | -0.31 | 1.391 | 64.7 | 0.931 | 11.669 | 52.6 | 171.1 | 0.803D | 22.535A | 0.87 | 0.133 | 151.0 | 170.7 | -50.8 | 0.193 |
| | | 14.00 | 4.98 | 18.98 | ONE | 20.046 | 202.5 | 70.1 | 56.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447940.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 47940.0 | 0.606 | 207.2 | -10.2 | 0.44 | 1.391 | 113.7 | 0.928 | 11.375 | 310.7 | 531.8 | 0.823 | 21.926A | 0.39 | 0.123 | 148.3 | 170.9 | -49.3 | 0.187 |
| | | 13.36 | 4.90 | 18.27 | TWO | 20.003 | 201.2 | 69.1 | 59.5 | | | | | | | | | | |
| 43840.0 | 47940.0 | 0.537 | 208.7 | -10.3 | 0.56 | 1.393 | 109.0 | 0.923 | 11.455 | 320.3 | 531.4 | 0.878 | 22.032A | 0.24 | 0.126 | 147.9 | 170.6 | -50.1 | 0.186 |
| | | 11.64 | 4.89 | 16.53 | TWO | 20.003 | 201.2 | 69.1 | 58.8 | | | | | | | | | | |
| 43850.0 | 47940.0 | 0.476 | 208.6 | -9.3 | 0.81 | 1.394 | 104.3 | 0.920 | 11.522 | 330.1 | 531.0 | 0.922 | 22.121A | -0.04 | 0.128 | 147.6 | 170.3 | -50.6 | 0.185 |
| | | 10.16 | 4.89 | 15.05 | TWO | 20.003 | 201.2 | 69.1 | 58.1 | | | | | | | | | | |
| 43860.0 | 47940.0 | 0.426 | 207.1 | -5.8 | 1.55 | 1.395 | 99.6 | 0.917 | 11.573 | 340.0 | 530.7 | 0.956 | 22.191A | -0.80 | 0.129 | 147.4 | 169.6 | -51.0 | 0.184 |
| | | 9.02 | 4.88 | 13.90 | TWO | 20.003 | 201.2 | 69.1 | 57.7 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43880.0 | 47940.0 | 0.381 | 191.5 | -11.8 | -1.72 | 1.396 | 89.9 | 0.915 | 11.623 | 0.1 | 170.5 | 0.9830 | 22.264A | 2.41 | 0.131 | 147.3 | 171.4 | -51.7 | 0.184 |
| | | 8.02 | 4.88 | 12.89 | ONE | 20.003 | 201.2 | 69.1 | 57.2 | | | | | | | | | | |
| 43890.0 | 47940.0 | 0.392 | 186.3 | -6.0 | -0.85 | 1.395 | 85.0 | 0.916 | 11.621 | 10.4 | 170.5 | 0.9760 | 22.266A | 1.52 | 0.131 | 147.4 | 170.9 | -51.6 | 0.184 |
| | | 8.26 | 4.88 | 13.14 | ONE | 20.003 | 201.2 | 69.1 | 57.3 | | | | | | | | | | |
| 43900.0 | 47940.0 | 0.428 | 181.7 | -2.8 | -0.58 | 1.395 | 80.1 | 0.918 | 11.600 | 20.7 | 170.7 | 0.9540 | 22.246A | 1.22 | 0.130 | 147.6 | 170.8 | -51.4 | 0.185 |
| | | 9.05 | 4.89 | 13.94 | ONE | 20.003 | 201.2 | 69.1 | 57.4 | | | | | | | | | | |
| 43910.0 | 47940.0 | 0.482 | 179.1 | -1.0 | -0.45 | 1.394 | 75.1 | 0.921 | 11.562 | 31.1 | 170.9 | 0.9180 | 22.205A | 1.06 | 0.129 | 148.0 | 170.8 | -51.1 | 0.186 |
| | | 10.31 | 4.90 | 15.20 | ONE | 20.003 | 201.2 | 69.1 | 57.8 | | | | | | | | | | |
| 43920.0 | 47940.0 | 0.550 | 178.4 | -0.3 | -0.37 | 1.392 | 70.1 | 0.925 | 11.508 | 41.5 | 171.3 | 0.8680 | 22.147A | 0.96 | 0.128 | 148.5 | 170.8 | -50.6 | 0.187 |
| | | 11.94 | 4.91 | 16.85 | ONE | 20.003 | 201.2 | 69.1 | 58.3 | | | | | | | | | | |
| 43930.0 | 47940.0 | 0.626 | 179.4 | -0.4 | -0.33 | 1.390 | 65.0 | 0.930 | 11.441 | 52.0 | 171.7 | 0.8060 | 22.076A | 0.88 | 0.126 | 149.2 | 171.0 | -50.0 | 0.188 |
| | | 13.87 | 4.93 | 18.80 | ONE | 20.003 | 201.2 | 69.1 | 58.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448040.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 48040.0 | 0.610 | 207.6 | -10.4 | 0.45 | 1.391 | 113.9 | 0.927 | 11.184 | 310.1 | 532.4 | 0.820 | 21.549A | 0.38 | 0.117 | 146.4 | 171.2 | -48.4 | 0.183 |
| | | 13.45 | 4.86 | 18.31 | TWO | 18.536 | 200.0 | 68.0 | 61.6 | | | | | | | | | | |
| 43840.0 | 48040.0 | 0.540 | 209.2 | -10.5 | 0.57 | 1.392 | 109.2 | 0.922 | 11.259 | 319.8 | 532.0 | 0.875 | 21.642A | 0.23 | 0.119 | 146.0 | 170.9 | -49.2 | 0.182 |
| | | 11.71 | 4.85 | 16.56 | TWO | 18.536 | 200.0 | 68.0 | 60.8 | | | | | | | | | | |
| 43850.0 | 48040.0 | 0.478 | 209.2 | -9.5 | 0.81 | 1.394 | 104.5 | 0.919 | 11.321 | 329.6 | 531.7 | 0.920 | 21.721A | -0.03 | 0.121 | 145.7 | 170.6 | -49.8 | 0.181 |
| | | 10.22 | 4.84 | 15.06 | TWO | 18.536 | 200.0 | 68.0 | 60.2 | | | | | | | | | | |
| 43860.0 | 48040.0 | 0.428 | 207.6 | -6.3 | 1.47 | 1.394 | 99.8 | 0.916 | 11.368 | 339.5 | 531.4 | 0.954 | 21.782A | -0.73 | 0.123 | 145.5 | 170.0 | -50.2 | 0.180 |
| | | 9.05 | 4.83 | 13.89 | TWO | 18.536 | 200.0 | 68.0 | 59.7 | | | | | | | | | | |
| 43870.0 | 48040.0 | 0.444 | 214.8 | 21.7 | 10.12 | 1.395 | 95.0 | 0.914 | 11.400 | 349.5 | 531.2 | 0.976 | 21.825A | -9.41 | 0.124 | 145.4 | 164.9 | -49.5 | 0.181 |
| | | 9.43 | 4.84 | 14.27 | TWO | 18.536 | 200.0 | 68.0 | 59.6 | | | | | | | | | | |
| 43880.0 | 48040.0 | 0.381 | 191.8 | -13.2 | -2.04 | 1.395 | 90.2 | 0.914 | 11.416 | 359.7 | 531.2 | 0.983 | 21.848A | 2.73 | 0.124 | 145.4 | 171.9 | -50.9 | 0.180 |
| | | 8.02 | 4.83 | 12.85 | ONE | 18.536 | 200.0 | 68.0 | 59.3 | | | | | | | | | | |
| 43890.0 | 48040.0 | 0.390 | 186.9 | -6.7 | -0.94 | 1.395 | 85.3 | 0.914 | 11.414 | 9.9 | 171.2 | 0.9770 | 21.850A | 1.61 | 0.124 | 145.5 | 171.2 | -50.8 | 0.180 |
| | | 8.23 | 4.83 | 13.06 | ONE | 18.536 | 200.0 | 68.0 | 59.3 | | | | | | | | | | |
| 43900.0 | 48040.0 | 0.425 | 182.3 | -3.2 | -0.63 | 1.394 | 80.4 | 0.916 | 11.395 | 20.2 | 171.3 | 0.9560 | 21.833A | 1.26 | 0.124 | 145.7 | 171.1 | -50.6 | 0.181 |
| | | 8.99 | 4.84 | 13.82 | ONE | 18.536 | 200.0 | 68.0 | 59.5 | | | | | | | | | | |
| 43910.0 | 48040.0 | 0.478 | 179.6 | -1.3 | -0.48 | 1.393 | 75.4 | 0.919 | 11.360 | 30.6 | 171.5 | 0.9200 | 21.799A | 1.08 | 0.123 | 146.0 | 171.1 | -50.2 | 0.182 |
| | | 10.22 | 4.85 | 15.06 | ONE | 18.536 | 200.0 | 68.0 | 59.8 | | | | | | | | | | |
| 43920.0 | 48040.0 | 0.545 | 178.8 | -0.5 | -0.40 | 1.392 | 70.4 | 0.923 | 11.310 | 41.0 | 171.9 | 0.8720 | 21.749A | 0.97 | 0.121 | 146.6 | 171.1 | -49.8 | 0.183 |
| | | 11.83 | 4.86 | 16.69 | ONE | 18.536 | 200.0 | 68.0 | 60.3 | | | | | | | | | | |
| 43930.0 | 48040.0 | 0.621 | 179.8 | -0.7 | -0.35 | 1.390 | 65.3 | 0.928 | 11.248 | 51.5 | 172.3 | 0.8100 | 21.686A | 0.89 | 0.119 | 147.2 | 171.3 | -49.2 | 0.184 |
| | | 13.74 | 4.88 | 18.62 | ONE | 18.536 | 200.0 | 68.0 | 60.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448140.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 48140.0 | 0.613 | 208.1 | -10.5 | 0.46 | 1.390 | 114.2 | 0.926 | 11.022 | 309.6 | 533.0 | 0.816 | 21.228A | 0.37 | 0.111 | 144.3 | 171.5 | -47.5 | 0.179 |
| | | 13.54 | 4.82 | 18.36 | TWO | 19.006 | 199.0 | 66.9 | 63.6 | | | | | | | | | | |
| 43840.0 | 48140.0 | 0.544 | 209.7 | -10.6 | 0.58 | 1.392 | 109.5 | 0.921 | 11.091 | 319.3 | 532.6 | 0.872 | 21.310A | 0.22 | 0.113 | 143.9 | 171.2 | -48.3 | 0.178 |
| | | 11.79 | 4.81 | 16.60 | TWO | 19.006 | 199.0 | 66.9 | 62.9 | | | | | | | | | | |
| 43850.0 | 48140.0 | 0.481 | 209.8 | -9.8 | 0.80 | 1.393 | 104.8 | 0.918 | 11.149 | 329.1 | 532.3 | 0.918 | 21.380A | -0.03 | 0.115 | 143.6 | 170.9 | -48.9 | 0.177 |
| | | 10.28 | 4.80 | 15.08 | TWO | 19.006 | 199.0 | 66.9 | 62.3 | | | | | | | | | | |
| 43860.0 | 48140.0 | 0.429 | 208.2 | -6.8 | 1.40 | 1.394 | 100.0 | 0.915 | 11.194 | 339.0 | 532.0 | 0.953 | 21.434A | -0.66 | 0.117 | 143.5 | 170.3 | -49.3 | 0.177 |
| | | 9.09 | 4.79 | 13.88 | TWO | 19.006 | 199.0 | 66.9 | 61.8 | | | | | | | | | | |
| 43870.0 | 48140.0 | 0.414 | 210.4 | 10.9 | 6.37 | 1.395 | 95.2 | 0.913 | 11.224 | 349.0 | 531.9 | 0.975 | 21.473A | -5.65 | 0.118 | 143.4 | 167.3 | -49.1 | 0.177 |
| | | 8.75 | 4.79 | 13.54 | TWO | 19.006 | 199.0 | 66.9 | 61.5 | | | | | | | | | | |
| 43880.0 | 48140.0 | 0.381 | 192.0 | -15.0 | -2.47 | 1.395 | 90.4 | 0.913 | 11.238 | 359.2 | 531.8 | 0.983 | 21.493A | 3.16 | 0.118 | 143.4 | 172.5 | -50.0 | 0.176 |
| | | 8.03 | 4.79 | 12.82 | ONE | 19.006 | 199.0 | 66.9 | 61.3 | | | | | | | | | | |
| 43890.0 | 48140.0 | 0.389 | 187.6 | -7.4 | -1.05 | 1.394 | 85.5 | 0.913 | 11.237 | 9.4 | 171.8 | 0.9770 | 21.496A | 1.71 | 0.118 | 143.5 | 171.6 | -49.9 | 0.177 |
| | | 8.19 | 4.79 | 12.98 | ONE | 19.006 | 199.0 | 66.9 | 61.3 | | | | | | | | | | |
| 43900.0 | 48140.0 | 0.422 | 182.9 | -3.7 | -0.68 | 1.394 | 80.6 | 0.915 | 11.220 | 19.7 | 171.9 | 0.9570 | 21.482A | 1.31 | 0.118 | 143.7 | 171.4 | -49.7 | 0.177 |
| | | 8.92 | 4.79 | 13.72 | ONE | 19.006 | 199.0 | 66.9 | 61.5 | | | | | | | | | | |
| 43910.0 | 48140.0 | 0.474 | 180.1 | -1.7 | -0.52 | 1.392 | 75.7 | 0.918 | 11.187 | 30.0 | 172.1 | 0.9230 | 21.452A | 1.11 | 0.117 | 144.0 | 171.4 | -49.4 | 0.178 |
| | | 10.13 | 4.80 | 14.93 | ONE | 19.006 | 199.0 | 66.9 | 61.8 | | | | | | | | | | |
| 43920.0 | 48140.0 | 0.540 | 179.3 | -0.8 | -0.43 | 1.391 | 70.7 | 0.921 | 11.142 | 40.4 | 172.4 | 0.8750 | 21.409A | 0.99 | 0.115 | 144.5 | 171.4 | -48.9 | 0.179 |
| | | 11.72 | 4.82 | 16.53 | ONE | 19.006 | 199.0 | 66.9 | 62.3 | | | | | | | | | | |
| 43930.0 | 48140.0 | 0.616 | 180.2 | -0.9 | -0.37 | 1.389 | 65.6 | 0.927 | 11.084 | 50.9 | 172.8 | 0.8140 | 21.354A | 0.90 | 0.113 | 145.2 | 171.5 | -48.4 | 0.181 |
| | | 13.60 | 4.84 | 18.44 | ONE | 19.006 | 199.0 | 66.9 | 62.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448240.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 48240.0 | 0.617 | 208.5 | -10.7 | 0.47 | 1.390 | 114.4 | 0.925 | 10.883 | 309.0 | 533.6 | 0.812 | 20.954A | 0.36 | 0.105 | 142.2 | 171.8 | -46.7 | 0.176 |
| | | 13.64 | 4.79 | 18.43 | TWO | 20.381 | 198.0 | 65.9 | 65.7 | | | | | | | | | | |
| 43840.0 | 48240.0 | 0.547 | 210.2 | -10.8 | 0.58 | 1.391 | 109.7 | 0.921 | 10.948 | 318.7 | 533.2 | 0.869 | 21.027A | 0.22 | 0.107 | 141.8 | 171.5 | -47.4 | 0.175 |
| | | 11.88 | 4.77 | 16.65 | TWO | 20.381 | 198.0 | 65.9 | 64.9 | | | | | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43850.0 | 48240.0 | 0.484<br>10.35 | 210.4<br>4.76 | -10.0<br>15.11 | 0.80<br>TWO | 1.393<br>20.381 | 105.0<br>198.0 | 0.917<br>65.9 | 11.002<br>64.3 | 328.5 | 532.9 | 0.916 | 21.088A | -0.03 | 0.110 | 141.5 | 171.1 | -48.0 | 0.174 |
| 43860.0 | 48240.0 | 0.431<br>9.14 | 208.9<br>4.75 | -7.3<br>13.89 | 1.35<br>TWO | 1.394<br>20.381 | 100.3<br>198.0 | 0.914<br>65.9 | 11.044<br>63.8 | 338.5 | 532.6 | 0.951 | 21.137A | -0.61 | 0.111 | 141.3 | 170.7 | -48.4 | 0.173 |
| 43870.0 | 48240.0 | 0.406<br>8.56 | 209.0<br>4.75 | 5.7<br>13.31 | 4.75<br>TWO | 1.394<br>20.381 | 95.5<br>198.0 | 0.912<br>65.9 | 11.073<br>63.5 | 348.5 | 532.5 | 0.974 | 21.172A | -4.04 | 0.112 | 141.2 | 168.5 | -48.4 | 0.173 |
| 43880.0 | 48240.0 | 0.383<br>8.07 | 192.1<br>4.75 | -17.3<br>12.82 | -3.05<br>ONE | 1.394<br>20.381 | 90.7<br>198.0 | 0.911<br>65.9 | 11.087<br>63.4 | 358.6 | 532.4 | 0.983 | 21.190A | 3.73 | 0.113 | 141.2 | 173.1 | -49.2 | 0.173 |
| 43890.0 | 48240.0 | 0.387<br>8.16 | 188.2<br>4.75 | -8.1<br>12.91 | -1.17<br>ONE | 1.394<br>20.381 | 85.8<br>198.0 | 0.912<br>65.9 | 11.086<br>63.3 | 8.8 | 172.4 | 0.978D | 21.194A | 1.82 | 0.113 | 141.3 | 172.0 | -49.1 | 0.173 |
| 43900.0 | 48240.0 | 0.419<br>8.86 | 183.6<br>4.76 | -4.2<br>13.62 | -0.74<br>ONE | 1.393<br>20.381 | 80.9<br>198.0 | 0.913<br>65.9 | 11.070<br>63.5 | 19.1 | 172.5 | 0.959D | 21.182A | 1.36 | 0.112 | 141.5 | 171.7 | -48.9 | 0.174 |
| 43910.0 | 48240.0 | 0.471<br>10.04 | 180.7<br>4.77 | -2.0<br>14.80 | -0.55<br>ONE | 1.392<br>20.381 | 75.9<br>198.0 | 0.916<br>65.9 | 11.041<br>63.8 | 29.4 | 172.7 | 0.925D | 21.156A | 1.14 | 0.111 | 141.9 | 171.7 | -48.6 | 0.175 |
| 43920.0 | 48240.0 | 0.536<br>11.60 | 179.8<br>4.78 | -1.1<br>16.38 | -0.45<br>ONE | 1.391<br>20.381 | 70.9<br>198.0 | 0.920<br>65.9 | 10.998<br>64.2 | 39.8 | 173.0 | 0.878D | 21.118A | 1.01 | 0.109 | 142.4 | 171.7 | -48.1 | 0.176 |
| 43930.0 | 48240.0 | 0.610<br>13.47 | 180.6<br>4.80 | -1.2<br>18.27 | -0.39<br>ONE | 1.389<br>20.381 | 65.9<br>198.0 | 0.925<br>65.9 | 10.945<br>64.8 | 50.2 | 173.3 | 0.818D | 21.071A | 0.91 | 0.107 | 143.0 | 171.8 | -47.6 | 0.177 |
| ARRIVAL DATE = 2448340.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 48340.0 | 0.621<br>13.75 | 209.0<br>4.76 | -10.8<br>18.51 | 0.48<br>TWO | 1.389<br>19.609 | 114.7<br>197.1 | 0.925<br>64.8 | 10.765<br>67.7 | 308.4 | 534.1 | 0.809 | 20.721A | 0.36 | 0.099 | 139.9 | 172.0 | -45.8 | 0.174 |
| 43840.0 | 48340.0 | 0.551<br>11.97 | 210.7<br>4.74 | -11.0<br>16.71 | 0.59<br>TWO | 1.391<br>19.609 | 110.0<br>197.1 | 0.920<br>64.8 | 10.825<br>66.9 | 318.1 | 533.8 | 0.866 | 20.785A | 0.21 | 0.102 | 139.5 | 171.7 | -46.5 | 0.172 |
| 43850.0 | 48340.0 | 0.487<br>10.42 | 211.0<br>4.73 | -10.2<br>15.15 | 0.80<br>TWO | 1.392<br>19.609 | 105.3<br>197.1 | 0.916<br>64.8 | 10.876<br>66.3 | 328.0 | 533.5 | 0.913 | 20.840A | -0.03 | 0.104 | 139.3 | 171.4 | -47.1 | 0.171 |
| 43860.0 | 48340.0 | 0.434<br>9.19 | 209.6<br>4.72 | -7.7<br>13.91 | 1.30<br>TWO | 1.393<br>19.609 | 100.5<br>197.1 | 0.913<br>64.8 | 10.916<br>65.8 | 337.9 | 533.2 | 0.950 | 20.883A | -0.57 | 0.106 | 139.1 | 170.9 | -47.5 | 0.171 |
| 43870.0 | 48340.0 | 0.403<br>8.50 | 208.7<br>4.72 | 2.5<br>13.21 | 3.85<br>TWO | 1.394<br>19.609 | 95.7<br>197.1 | 0.911<br>64.8 | 10.943<br>65.5 | 347.9 | 533.1 | 0.973 | 20.914A | -3.14 | 0.107 | 139.0 | 169.3 | -47.6 | 0.170 |
| 43880.0 | 48340.0 | 0.386<br>8.13 | 191.7<br>4.72 | -20.5<br>12.85 | -3.89<br>ONE | 1.394<br>19.609 | 90.9<br>197.1 | 0.910<br>64.8 | 10.957<br>65.4 | 358.1 | 533.0 | 0.983 | 20.931A | 4.57 | 0.107 | 139.0 | 173.9 | -48.4 | 0.170 |
| 43890.0 | 48340.0 | 0.386<br>8.13 | 188.9<br>4.72 | -9.0<br>12.85 | -1.31<br>ONE | 1.394<br>19.609 | 86.1<br>197.1 | 0.911<br>64.8 | 10.957<br>65.3 | 8.3 | 173.0 | 0.979D | 20.935A | 1.95 | 0.107 | 139.1 | 172.3 | -48.3 | 0.170 |
| 43900.0 | 48340.0 | 0.416<br>8.80 | 184.3<br>4.72 | -4.7<br>13.52 | -0.80<br>ONE | 1.393<br>19.609 | 81.2<br>197.1 | 0.912<br>64.8 | 10.943<br>65.5 | 18.5 | 173.1 | 0.960D | 20.925A | 1.42 | 0.107 | 139.3 | 172.0 | -48.1 | 0.171 |
| 43910.0 | 48340.0 | 0.467<br>9.95 | 181.3<br>4.73 | -2.4<br>14.68 | -0.59<br>ONE | 1.392<br>19.609 | 76.2<br>197.1 | 0.915<br>64.8 | 10.915<br>65.8 | 28.9 | 173.3 | 0.927D | 20.903A | 1.17 | 0.106 | 139.6 | 171.9 | -47.8 | 0.171 |
| 43920.0 | 48340.0 | 0.531<br>11.49 | 180.4<br>4.75 | -1.5<br>16.23 | -0.48<br>ONE | 1.390<br>19.609 | 71.3<br>197.1 | 0.919<br>64.8 | 10.876<br>66.2 | 39.2 | 173.5 | 0.881D | 20.870A | 1.03 | 0.104 | 140.1 | 172.0 | -47.3 | 0.173 |
| 43930.0 | 48340.0 | 0.605<br>13.33 | 181.1<br>4.76 | -1.4<br>18.10 | -0.42<br>ONE | 1.389<br>19.609 | 66.2<br>197.1 | 0.924<br>64.8 | 10.826<br>66.7 | 49.6 | 173.8 | 0.823D | 20.829A | 0.93 | 0.102 | 140.7 | 172.0 | -46.8 | 0.174 |
| ARRIVAL DATE = 2448440.0 | | | | | | | | | | | | | | | | | | | |
| 43830.0 | 48440.0 | 0.626<br>13.86 | 209.5<br>4.73 | -11.0<br>18.59 | 0.49<br>TWO | 1.389<br>18.458 | 115.0<br>196.3 | 0.925<br>63.7 | 10.663<br>69.7 | 307.8 | 534.6 | 0.805 | 20.521A | 0.35 | 0.094 | 137.4 | 172.2 | -45.0 | 0.171 |
| 43840.0 | 48440.0 | 0.555<br>12.07 | 211.3<br>4.72 | -11.2<br>16.78 | 0.60<br>TWO | 1.391<br>18.458 | 110.3<br>196.3 | 0.920<br>63.7 | 10.720<br>68.9 | 317.5 | 534.3 | 0.863 | 20.578A | 0.21 | 0.097 | 137.1 | 172.0 | -45.7 | 0.170 |
| 43850.0 | 48440.0 | 0.490<br>10.50 | 211.6<br>4.70 | -10.5<br>15.20 | 0.80<br>TWO | 1.392<br>18.458 | 105.6<br>196.3 | 0.915<br>63.7 | 10.769<br>68.3 | 327.4 | 534.0 | 0.911 | 20.627A | -0.03 | 0.099 | 136.9 | 171.7 | -46.3 | 0.169 |
| 43860.0 | 48440.0 | 0.436<br>9.24 | 210.3<br>4.69 | -8.1<br>13.94 | 1.26<br>TWO | 1.393<br>18.458 | 100.8<br>196.3 | 0.912<br>63.7 | 10.807<br>67.8 | 337.3 | 533.8 | 0.948 | 20.666A | -0.53 | 0.101 | 136.7 | 171.2 | -46.7 | 0.168 |
| 43870.0 | 48440.0 | 0.402<br>8.48 | 208.8<br>4.69 | 0.4<br>13.17 | 3.28<br>TWO | 1.393<br>18.458 | 96.0<br>196.3 | 0.910<br>63.7 | 10.833<br>67.5 | 347.4 | 533.6 | 0.972 | 20.693A | -2.58 | 0.102 | 136.6 | 169.9 | -46.8 | 0.168 |
| 43880.0 | 48440.0 | 0.393<br>8.28 | 190.7<br>4.69 | -25.1<br>12.97 | -5.20<br>ONE | 1.393<br>18.458 | 91.2<br>196.3 | 0.909<br>63.7 | 10.846<br>67.4 | 357.5 | 533.6 | 0.983 | 20.709A | 5.88 | 0.102 | 136.6 | 175.0 | -47.6 | 0.168 |
| 43890.0 | 48440.0 | 0.385<br>8.10 | 189.6<br>4.69 | -9.9<br>12.79 | -1.47<br>ONE | 1.393<br>18.458 | 86.3<br>196.3 | 0.910<br>63.7 | 10.846<br>67.3 | 7.7 | 173.6 | 0.979D | 20.713A | 2.11 | 0.102 | 136.7 | 172.7 | -47.4 | 0.167 |
| 43900.0 | 48440.0 | 0.414<br>8.74 | 185.0<br>4.69 | -5.3<br>13.43 | -0.87<br>ONE | 1.392<br>18.458 | 81.5<br>196.3 | 0.911<br>63.7 | 10.833<br>67.4 | 17.9 | 173.6 | 0.962D | 20.705A | 1.48 | 0.102 | 136.9 | 172.3 | -47.3 | 0.168 |
| 43910.0 | 48440.0 | 0.463<br>9.86 | 182.0<br>4.70 | -2.9<br>14.56 | -0.63<br>ONE | 1.391<br>18.458 | 76.5<br>196.3 | 0.914<br>63.7 | 10.808<br>67.7 | 28.2 | 173.8 | 0.930D | 20.686A | 1.21 | 0.101 | 137.2 | 172.2 | -47.0 | 0.169 |
| 43920.0 | 48440.0 | 0.526<br>11.37 | 180.9<br>4.72 | -1.8<br>16.09 | -0.51<br>ONE | 1.390<br>18.458 | 71.6<br>196.3 | 0.918<br>63.7 | 10.771<br>68.1 | 38.6 | 174.0 | 0.885D | 20.657A | 1.05 | 0.099 | 137.7 | 172.2 | -46.5 | 0.170 |
| 43930.0 | 48440.0 | 0.600<br>13.20 | 181.6<br>4.73 | -1.7<br>17.93 | -0.44<br>ONE | 1.388<br>18.458 | 66.6<br>196.3 | 0.923<br>63.7 | 10.724<br>68.7 | 49.0 | 174.3 | 0.827D | 20.621A | 0.94 | 0.097 | 138.2 | 172.3 | -46.0 | 0.172 |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 V 1 PSI 1 ECCEN SMA THET1 THET2 PERIH APHEL<br>LEG CDIST RAS DECLS LAMDA | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ARRIVAL DATE = 2448540.0 | | | | | | |
| 43830.0 | 48540.0 | 0.631 | 210.0 | -11.2 | 0.50 1.389 115.3 0.924 10.576 307.1 535.1 0.800 20.352A | 0.34 | 0.090 | 134.8 | 172.5 | -44.1 | 0.169 |
| | | 13.98 | 4.71 | 18.69 | TWO 19.582 195.5 62.6 71.7 | | | | | | |
| 43840.0 | 48540.0 | 0.559 | 211.9 | -11.4 | 0.60 1.390 110.6 0.919 10.631 316.9 534.8 0.859 20.402A | 0.20 | 0.092 | 134.5 | 172.2 | -44.9 | 0.168 |
| | | 12.17 | 4.69 | 16.86 | TWO 19.582 195.5 62.6 70.9 | | | | | | |
| 43850.0 | 48540.0 | 0.494 | 212.3 | -10.8 | 0.80 1.392 105.8 0.915 10.677 326.8 534.5 0.908 20.446A | -0.03 | 0.095 | 134.3 | 171.9 | -45.4 | 0.167 |
| | | 10.58 | 4.68 | 15.26 | TWO 19.582 195.5 62.6 70.3 | | | | | | |
| 43860.0 | 48540.0 | 0.439 | 211.0 | -8.5 | 1.23 1.393 101.1 0.912 10.713 336.7 534.3 0.946 20.480A | -0.49 | 0.096 | 134.2 | 171.5 | -45.9 | 0.166 |
| | | 9.30 | 4.67 | 13.97 | TWO 19.582 195.5 62.6 69.8 | | | | | | |
| 43870.0 | 48540.0 | 0.402 | 209.1 | -1.3 | 2.88 1.393 96.3 0.910 10.738 346.8 534.2 0.971 20.505A | -2.18 | 0.097 | 134.2 | 170.4 | -46.1 | 0.165 |
| | | 8.48 | 4.66 | 13.15 | TWO 19.582 195.5 62.6 69.5 | | | | | | |
| 43880.0 | 48540.0 | 0.409 | 187.9 | -32.6 | -7.57 1.393 91.5 0.909 10.751 356.9 534.1 0.983 20.520A | 8.23 | 0.098 | 134.2 | 176.7 | -46.9 | 0.166 |
| | | 8.63 | 4.67 | 13.31 | ONE 19.582 195.5 62.6 69.4 | | | | | | |
| 43890.0 | 48540.0 | 0.384 | 190.2 | -10.9 | -1.65 1.393 86.6 0.909 10.752 7.1 174.1 0.980D 20.523A | 2.29 | 0.098 | 134.3 | 173.0 | -46.6 | 0.165 |
| | | 8.08 | 4.66 | 12.75 | ONE 19.582 195.5 62.6 69.3 | | | | | | |
| 43900.0 | 48540.0 | 0.411 | 185.7 | -5.9 | -0.94 1.392 81.7 0.910 10.740 17.3 174.2 0.963D 20.517A | 1.55 | 0.097 | 134.4 | 172.6 | -46.5 | 0.165 |
| | | 8.68 | 4.67 | 13.35 | ONE 19.582 195.5 62.6 69.4 | | | | | | |
| 43910.0 | 48540.0 | 0.459 | 182.6 | -3.3 | -0.68 1.391 76.8 0.913 10.716 27.6 174.3 0.932D 20.500A | 1.24 | 0.096 | 134.7 | 172.5 | -46.2 | 0.166 |
| | | 9.77 | 4.68 | 14.45 | ONE 19.582 195.5 62.6 69.6 | | | | | | |
| 43920.0 | 48540.0 | 0.522 | 181.5 | -2.1 | -0.54 1.390 71.9 0.917 10.682 38.0 174.5 0.888D 20.476A | 1.07 | 0.095 | 135.1 | 172.4 | -45.8 | 0.168 |
| | | 11.26 | 4.69 | 15.95 | ONE 19.582 195.5 62.6 70.0 | | | | | | |
| 43930.0 | 48540.0 | 0.594 | 182.1 | -2.0 | -0.46 1.388 66.9 0.922 10.638 48.3 174.8 0.831D 20.445A | 0.95 | 0.093 | 135.7 | 172.5 | -45.3 | 0.169 |
| | | 13.06 | 4.71 | 17.77 | ONE 19.582 195.5 62.6 70.6 | | | | | | |
| | | | | | ARRIVAL DATE = 2448740.0 | | | | | | |
| 43830.0 | 48740.0 | 0.641 | 211.0 | -11.5 | 0.52 1.388 115.9 0.924 10.440 305.8 536.1 0.792 20.088A | 0.33 | 0.082 | 129.2 | 172.9 | -42.6 | 0.166 |
| | | 14.24 | 4.67 | 18.91 | TWO 19.167 194.1 60.4 75.5 | | | | | | |
| 43840.0 | 48740.0 | 0.568 | 213.0 | -11.8 | 0.62 1.390 111.2 0.919 10.490 315.6 535.8 0.852 20.127A | 0.19 | 0.084 | 129.0 | 172.6 | -43.3 | 0.164 |
| | | 12.39 | 4.66 | 17.05 | TWO 19.167 194.1 60.4 74.8 | | | | | | |
| 43850.0 | 48740.0 | 0.501 | 213.7 | -11.3 | 0.80 1.391 106.4 0.914 10.532 325.5 535.5 0.902 20.161A | -0.03 | 0.086 | 128.9 | 172.3 | -43.9 | 0.163 |
| | | 10.77 | 4.64 | 15.41 | TWO 19.167 194.1 60.4 74.2 | | | | | | |
| 43860.0 | 48740.0 | 0.445 | 212.6 | -9.3 | 1.17 1.392 101.7 0.911 10.565 335.5 535.3 0.942 20.188A | -0.44 | 0.088 | 128.8 | 172.0 | -44.3 | 0.162 |
| | | 9.44 | 4.63 | 14.07 | TWO 19.167 194.1 60.4 73.7 | | | | | | |
| 43870.0 | 48740.0 | 0.404 | 210.3 | -3.7 | 2.37 1.393 96.9 0.909 10.588 345.5 535.2 0.969 20.208A | -1.67 | 0.089 | 128.8 | 171.1 | -44.6 | 0.161 |
| | | 8.53 | 4.62 | 13.15 | TWO 19.167 194.1 60.4 73.3 | | | | | | |
| 43890.0 | 48740.0 | 0.382 | 191.5 | -13.4 | -2.14 1.392 87.2 0.907 10.603 5.8 175.1 0.981D 20.224A | 2.76 | 0.090 | 128.9 | 173.7 | -45.2 | 0.161 |
| | | 8.05 | 4.62 | 12.67 | ONE 19.167 194.1 60.4 73.1 | | | | | | |
| 43900.0 | 48740.0 | 0.406 | 187.3 | -7.3 | -1.12 1.392 82.4 0.909 10.593 16.1 175.2 0.966D 20.220A | 1.71 | 0.090 | 129.1 | 173.1 | -45.0 | 0.161 |
| | | 8.57 | 4.62 | 13.19 | ONE 19.167 194.1 60.4 73.2 | | | | | | |
| 43910.0 | 48740.0 | 0.451 | 184.0 | -4.3 | -0.77 1.391 77.5 0.911 10.573 26.3 175.3 0.937D 20.208A | 1.32 | 0.089 | 129.3 | 172.9 | -44.7 | 0.162 |
| | | 9.59 | 4.63 | 14.23 | ONE 19.167 194.1 60.4 73.4 | | | | | | |
| 43920.0 | 48740.0 | 0.512 | 182.7 | -2.9 | -0.60 1.389 72.5 0.915 10.542 36.6 175.4 0.895D 20.190A | 1.12 | 0.087 | 129.6 | 172.9 | -44.4 | 0.164 |
| | | 11.03 | 4.65 | 15.68 | ONE 19.167 194.1 60.4 73.8 | | | | | | |
| 43930.0 | 48740.0 | 0.583 | 183.1 | -2.6 | -0.51 1.387 67.6 0.920 10.503 46.9 175.7 0.840D 20.166A | 0.98 | 0.085 | 130.1 | 172.9 | -43.9 | 0.165 |
| | | 12.78 | 4.66 | 17.45 | ONE 19.167 194.1 60.4 74.2 | | | | | | |
| | | | | | ARRIVAL DATE = 2448940.0 | | | | | | |
| 43840.0 | 48940.0 | 0.578 | 214.2 | -12.2 | 0.63 1.390 111.9 0.919 10.389 314.3 536.7 0.844 19.934A | 0.18 | 0.077 | 122.9 | 173.0 | -41.9 | 0.162 |
| | | 12.64 | 4.63 | 17.26 | TWO 20.127 192.9 58.3 78.4 | | | | | | |
| 43850.0 | 48940.0 | 0.510 | 215.0 | -11.8 | 0.79 1.391 107.1 0.914 10.428 324.2 536.4 0.896 19.960A | -0.02 | 0.080 | 122.9 | 172.7 | -42.5 | 0.160 |
| | | 10.97 | 4.61 | 15.58 | TWO 20.127 192.9 58.3 77.9 | | | | | | |
| 43860.0 | 48940.0 | 0.451 | 214.7 | -10.1 | 1.13 1.392 102.3 0.910 10.459 334.2 536.3 0.937 19.981A | -0.40 | 0.082 | 123.0 | 172.4 | -42.9 | 0.159 |
| | | 9.59 | 4.60 | 14.19 | TWO 20.127 192.9 58.3 77.4 | | | | | | |
| 43870.0 | 48940.0 | 0.408 | 211.8 | -5.5 | 2.05 1.392 97.5 0.908 10.481 344.2 536.1 0.966 19.997A | -1.36 | 0.083 | 123.0 | 171.7 | -43.1 | 0.158 |
| | | 8.61 | 4.59 | 13.20 | TWO 20.127 192.9 58.3 77.1 | | | | | | |
| 43880.0 | 48940.0 | 0.475 | 221.8 | 30.8 | 13.80 1.392 92.7 0.907 10.494 354.3 536.1 0.981 20.007A | -13.15 | 0.083 | 123.1 | 165.0 | -42.0 | 0.160 |
| | | 10.15 | 4.61 | 14.76 | TWO 20.127 192.9 58.3 77.1 | | | | | | |
| 43890.0 | 48940.0 | 0.382 | 192.6 | -16.8 | -2.88 1.392 87.9 0.906 10.496 4.5 176.0 0.982D 20.011A | 3.49 | 0.084 | 123.2 | 174.5 | -43.8 | 0.158 |
| | | 8.06 | 4.59 | 12.65 | ONE 20.127 192.9 58.3 76.8 | | | | | | |
| 43900.0 | 48940.0 | 0.401 | 188.9 | -8.8 | -1.33 1.391 83.0 0.908 10.489 14.7 176.1 0.969D 20.008A | 1.90 | 0.083 | 123.3 | 173.6 | -43.6 | 0.158 |
| | | 8.46 | 4.59 | 13.05 | ONE 20.127 192.9 58.3 76.9 | | | | | | |
| 43910.0 | 48940.0 | 0.444 | 185.5 | -5.3 | -0.88 1.390 78.1 0.910 10.471 25.0 176.2 0.942D 20.000A | 1.42 | 0.082 | 123.4 | 173.3 | -43.4 | 0.159 |
| | | 9.42 | 4.60 | 14.02 | ONE 20.127 192.9 58.3 77.1 | | | | | | |
| 43920.0 | 48940.0 | 0.503 | 184.0 | -3.7 | -0.67 1.389 73.2 0.914 10.444 35.2 176.3 0.901D 19.987A | 1.17 | 0.081 | 123.7 | 173.3 | -43.0 | 0.160 |
| | | 10.80 | 4.61 | 15.41 | ONE 20.127 192.9 58.3 77.4 | | | | | | |

1978
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43930.0 | 48940.0 | 0.572 | 184.2 | -3.2 | -0.56 | 1.387 | 68.3 | 0.919 | 10.409 | 45.5 | 176.5 | 0.848D | 19.969A | 1.02 | 0.079 | 124.0 | 173.2 | -42.6 | 0.162 |
| | | 12.51 | 4.63 | 17.14 | ONE | 20.127 | 192.9 | 58.3 | 77.8 | | | | | | | | | | |
| 43940.0 | 48940.0 | 0.649 | 185.9 | -3.6 | -0.49 | 1.385 | 63.3 | 0.924 | 10.367 | 55.7 | 176.7 | 0.784D | 19.949A | 0.90 | 0.076 | 124.4 | 173.3 | -42.1 | 0.164 |
| | | 14.46 | 4.65 | 19.12 | ONE | 20.127 | 192.9 | 58.3 | 78.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449140.0 | | | | | | | | | | | | | | | | | | | |
| 43840.0 | 49140.0 | 0.588 | 215.4 | -12.6 | 0.64 | 1.389 | 112.5 | 0.919 | 10.321 | 312.8 | 537.5 | 0.835 | 19.806A | 0.18 | 0.072 | 116.2 | 173.3 | -40.7 | 0.160 |
| | | 12.90 | 4.61 | 17.51 | TWO | 18.811 | 191.9 | 56.1 | 82.0 | | | | | | | | | | |
| 43850.0 | 49140.0 | 0.519 | 216.5 | -12.3 | 0.79 | 1.391 | 107.8 | 0.914 | 10.357 | 322.8 | 537.3 | 0.889 | 19.825A | -0.02 | 0.074 | 116.5 | 173.0 | -41.2 | 0.158 |
| | | 11.19 | 4.59 | 15.78 | TWO | 18.811 | 191.9 | 56.1 | 81.4 | | | | | | | | | | |
| 43860.0 | 49140.0 | 0.459 | 215.8 | -10.8 | 1.09 | 1.391 | 103.0 | 0.910 | 10.386 | 332.8 | 537.1 | 0.932 | 19.841A | -0.36 | 0.076 | 116.6 | 172.7 | -41.6 | 0.157 |
| | | 9.76 | 4.58 | 14.34 | TWO | 18.811 | 191.9 | 56.1 | 80.9 | | | | | | | | | | |
| 43870.0 | 49140.0 | 0.412 | 213.5 | -7.0 | 1.83 | 1.392 | 98.2 | 0.908 | 10.408 | 342.8 | 537.0 | 0.963 | 19.853A | -1.15 | 0.077 | 116.8 | 172.2 | -41.9 | 0.156 |
| | | 8.71 | 4.57 | 13.28 | TWO | 18.811 | 191.9 | 56.1 | 80.6 | | | | | | | | | | |
| 43880.0 | 49140.0 | 0.405 | 214.1 | 10.4 | 6.45 | 1.392 | 93.4 | 0.906 | 10.420 | 352.9 | 536.9 | 0.980 | 19.861A | -5.80 | 0.078 | 116.9 | 169.4 | -41.6 | 0.156 |
| | | 8.54 | 4.57 | 13.11 | TWO | 18.811 | 191.9 | 56.1 | 80.4 | | | | | | | | | | |
| 43890.0 | 49140.0 | 0.386 | 192.9 | -21.9 | -4.14 | 1.392 | 88.5 | 0.906 | 10.423 | 3.1 | 176.9 | 0.983D | 19.864A | 4.75 | 0.078 | 117.0 | 175.6 | -42.6 | 0.156 |
| | | 8.13 | 4.57 | 12.70 | ONE | 18.811 | 191.9 | 56.1 | 80.3 | | | | | | | | | | |
| 43900.0 | 49140.0 | 0.397 | 190.6 | -10.6 | -1.59 | 1.391 | 83.7 | 0.907 | 10.417 | 13.3 | 176.9 | 0.972D | 19.863A | 2.16 | 0.078 | 117.1 | 174.1 | -42.4 | 0.156 |
| | | 8.37 | 4.57 | 12.94 | ONE | 18.811 | 191.9 | 56.1 | 80.4 | | | | | | | | | | |
| 43910.0 | 49140.0 | 0.437 | 187.1 | -6.5 | -1.00 | 1.390 | 78.8 | 0.909 | 10.402 | 23.6 | 177.0 | 0.947D | 19.857A | 1.53 | 0.077 | 117.2 | 173.7 | -42.2 | 0.157 |
| | | 9.25 | 4.58 | 13.83 | ONE | 18.811 | 191.9 | 56.1 | 80.5 | | | | | | | | | | |
| 43920.0 | 49140.0 | 0.493 | 185.4 | -4.5 | -0.75 | 1.389 | 73.9 | 0.912 | 10.378 | 33.8 | 177.1 | 0.908D | 19.848A | 1.23 | 0.076 | 117.3 | 173.6 | -41.9 | 0.158 |
| | | 10.58 | 4.59 | 15.16 | ONE | 18.811 | 191.9 | 56.1 | 80.8 | | | | | | | | | | |
| 43930.0 | 49140.0 | 0.561 | 185.4 | -3.9 | -0.62 | 1.387 | 69.0 | 0.917 | 10.346 | 44.0 | 177.3 | 0.857D | 19.836A | 1.05 | 0.074 | 117.4 | 173.5 | -41.5 | 0.160 |
| | | 12.24 | 4.61 | 16.84 | ONE | 18.811 | 191.9 | 56.1 | 81.2 | | | | | | | | | | |
| 43940.0 | 49140.0 | 0.637 | 186.9 | -4.1 | -0.54 | 1.385 | 64.1 | 0.923 | 10.308 | 54.2 | 177.5 | 0.794D | 19.821A | 0.92 | 0.071 | 117.6 | 173.6 | -41.1 | 0.162 |
| | | 14.15 | 4.63 | 18.78 | ONE | 18.811 | 191.9 | 56.1 | 81.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449340.0 | | | | | | | | | | | | | | | | | | | |
| 43840.0 | 49340.0 | 0.599 | 216.7 | -13.1 | 0.65 | 1.389 | 113.2 | 0.920 | 10.277 | 311.3 | 538.2 | 0.826 | 19.729A | 0.17 | 0.068 | 109.2 | 173.5 | -39.6 | 0.159 |
| | | 13.18 | 4.60 | 17.78 | TWO | 20.517 | 191.0 | 53.9 | 85.3 | | | | | | | | | | |
| 43850.0 | 49340.0 | 0.529 | 217.9 | -12.8 | 0.79 | 1.390 | 108.4 | 0.914 | 10.312 | 321.3 | 538.1 | 0.882 | 19.742A | -0.02 | 0.070 | 109.6 | 173.3 | -40.1 | 0.157 |
| | | 11.43 | 4.58 | 16.01 | TWO | 20.517 | 191.0 | 53.9 | 84.7 | | | | | | | | | | |
| 43860.0 | 49340.0 | 0.467 | 217.5 | -11.6 | 1.06 | 1.391 | 103.6 | 0.910 | 10.340 | 331.3 | 537.9 | 0.927 | 19.753A | -0.33 | 0.072 | 110.0 | 173.0 | -40.5 | 0.156 |
| | | 9.95 | 4.57 | 14.51 | TWO | 20.517 | 191.0 | 53.9 | 84.3 | | | | | | | | | | |
| 43870.0 | 49340.0 | 0.418 | 215.3 | -8.2 | 1.67 | 1.392 | 98.8 | 0.907 | 10.360 | 341.4 | 537.8 | 0.959 | 19.762A | -0.99 | 0.073 | 110.2 | 172.5 | -40.8 | 0.155 |
| | | 8.83 | 4.56 | 13.39 | TWO | 20.517 | 191.0 | 53.9 | 84.0 | | | | | | | | | | |
| 43880.0 | 49340.0 | 0.395 | 213.6 | 2.9 | 4.36 | 1.392 | 94.0 | 0.906 | 10.373 | 351.5 | 537.8 | 0.978 | 19.768A | -3.72 | 0.074 | 110.4 | 170.9 | -40.7 | 0.154 |
| | | 8.33 | 4.55 | 12.88 | TWO | 20.517 | 191.0 | 53.9 | 83.8 | | | | | | | | | | |
| 43890.0 | 49340.0 | 0.401 | 191.0 | -31.2 | -6.80 | 1.392 | 89.2 | 0.905 | 10.377 | 1.7 | 177.7 | 0.983D | 19.770A | 7.40 | 0.074 | 110.6 | 177.4 | -41.7 | 0.155 |
| | | 8.46 | 4.56 | 13.02 | ONE | 20.517 | 191.0 | 53.9 | 83.7 | | | | | | | | | | |
| 43900.0 | 49340.0 | 0.393 | 192.2 | -12.7 | -1.94 | 1.391 | 84.3 | 0.906 | 10.372 | 11.9 | 177.7 | 0.975D | 19.770A | 2.49 | 0.074 | 110.6 | 174.5 | -41.3 | 0.155 |
| | | 8.29 | 4.55 | 12.84 | ONE | 20.517 | 191.0 | 53.9 | 83.7 | | | | | | | | | | |
| 43910.0 | 49340.0 | 0.430 | 188.8 | -7.8 | -1.15 | 1.390 | 79.5 | 0.908 | 10.359 | 22.1 | 177.8 | 0.951D | 19.766A | 1.66 | 0.073 | 110.6 | 174.0 | -41.1 | 0.155 |
| | | 9.09 | 4.56 | 13.65 | ONE | 20.517 | 191.0 | 53.9 | 83.8 | | | | | | | | | | |
| 43920.0 | 49340.0 | 0.484 | 186.8 | -5.5 | -0.84 | 1.389 | 74.6 | 0.912 | 10.337 | 32.3 | 177.9 | 0.915D | 19.760A | 1.30 | 0.072 | 110.6 | 173.9 | -40.9 | 0.156 |
| | | 10.35 | 4.57 | 14.93 | ONE | 20.517 | 191.0 | 53.9 | 84.1 | | | | | | | | | | |
| 43930.0 | 49340.0 | 0.550 | 186.7 | -4.6 | -0.68 | 1.387 | 69.7 | 0.916 | 10.309 | 42.5 | 178.0 | 0.866D | 19.752A | 1.09 | 0.070 | 110.6 | 173.8 | -40.5 | 0.158 |
| | | 11.96 | 4.59 | 16.55 | ONE | 20.517 | 191.0 | 53.9 | 84.4 | | | | | | | | | | |
| 43940.0 | 49340.0 | 0.625 | 188.0 | -4.7 | -0.58 | 1.385 | 64.8 | 0.922 | 10.274 | 52.7 | 178.2 | 0.805D | 19.742A | 0.95 | 0.068 | 110.5 | 173.8 | -40.1 | 0.160 |
| | | 13.84 | 4.61 | 18.45 | ONE | 20.517 | 191.0 | 53.9 | 84.8 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2445410.0 | | | | | | | | | | | |
| 44260.0 | 45410.0 | 0.629 | 215.3 | -13.7 | 0.13 | 1.641 | 92.6 | 1.650 | -1.511 | 355.9 | 481.5 | 0.983 | NA | 0.69 | 0.876 | 174.4 | 159.4 | -68.7 | 0.874 |
| | | 13.93 | 19.95 | 33.89 | ONE | 18.620 | 322.9 | 77.1 | 9.6 | | | | | | | | | | |
| 44270.0 | 45410.0 | 0.632 | 209.5 | -11.7 | 0.12 | 1.643 | 86.3 | 1.656 | -1.497 | 5.9 | 121.4 | 0.982D | NA | 0.72 | 0.880 | 174.4 | 159.4 | -68.7 | 0.877 |
| | | 14.02 | 20.04 | 34.06 | ONE | 18.620 | 322.9 | 77.1 | 9.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445510.0 | | | | | | | | | | | |
| 44240.0 | 45510.0 | 0.643 | 220.3 | -15.3 | 0.17 | 1.596 | 102.6 | 1.485 | -1.948 | 339.0 | 486.2 | 0.944 | NA | 0.63 | 0.787 | 174.1 | 159.6 | -68.5 | 0.786 |
| | | 14.29 | 17.64 | 31.93 | ONE | 18.024 | 319.3 | 78.0 | 11.0 | | | | | | | | | | |
| 44250.0 | 45510.0 | 0.602 | 216.9 | -14.2 | 0.13 | 1.598 | 97.0 | 1.505 | -1.924 | 348.4 | 485.4 | 0.971 | NA | 0.67 | 0.791 | 174.0 | 159.4 | -68.7 | 0.790 |
| | | 13.26 | 17.74 | 31.00 | ONE | 18.024 | 319.3 | 78.0 | 10.8 | | | | | | | | | | |
| 44260.0 | 45510.0 | 0.584 | 211.8 | -12.5 | 0.11 | 1.599 | 91.1 | 1.517 | -1.904 | 358.2 | 485.0 | 0.984 | NA | 0.70 | 0.794 | 174.0 | 159.4 | -68.8 | 0.793 |
| | | 12.80 | 17.82 | 30.62 | ONE | 18.024 | 319.3 | 78.0 | 10.7 | | | | | | | | | | |
| 44270.0 | 45510.0 | 0.594 | 205.8 | -10.4 | 0.10 | 1.600 | 85.0 | 1.518 | -1.889 | 8.3 | 125.0 | 0.979D | NA | 0.72 | 0.797 | 174.0 | 159.3 | -68.8 | 0.796 |
| | | 13.04 | 17.89 | 30.93 | ONE | 18.024 | 319.3 | 78.0 | 10.7 | | | | | | | | | | |
| 44280.0 | 45510.0 | 0.633 | 200.3 | -8.3 | 0.09 | 1.600 | 78.6 | 1.509 | -1.878 | 18.9 | 125.4 | 0.955D | NA | 0.74 | 0.799 | 174.1 | 159.4 | -68.7 | 0.798 |
| | | 14.06 | 17.95 | 32.01 | ONE | 18.024 | 319.3 | 78.0 | 10.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445610.0 | | | | | | | | | | | |
| 44240.0 | 45610.0 | 0.598 | 217.9 | -14.5 | 0.14 | 1.563 | 101.1 | 1.390 | -2.439 | 340.9 | 489.3 | 0.952 | NA | 0.65 | 0.718 | 173.6 | 159.5 | -68.6 | 0.719 |
| | | 13.16 | 15.90 | 29.06 | ONE | 19.479 | 315.2 | 78.9 | 12.1 | | | | | | | | | | |
| 44250.0 | 45610.0 | 0.562 | 214.0 | -13.3 | 0.11 | 1.565 | 95.6 | 1.405 | -2.410 | 350.4 | 488.6 | 0.975 | NA | 0.69 | 0.721 | 173.6 | 159.4 | -68.7 | 0.722 |
| | | 12.26 | 15.97 | 28.23 | ONE | 19.479 | 315.2 | 78.9 | 12.0 | | | | | | | | | | |
| 44260.0 | 45610.0 | 0.550 | 208.4 | -11.4 | 0.09 | 1.566 | 89.8 | 1.412 | -2.387 | 0.3 | 128.3 | 0.984D | NA | 0.71 | 0.724 | 173.6 | 159.3 | -68.8 | 0.725 |
| | | 11.94 | 16.04 | 27.98 | ONE | 19.479 | 315.2 | 78.9 | 11.9 | | | | | | | | | | |
| 44270.0 | 45610.0 | 0.565 | 202.4 | -9.1 | 0.08 | 1.566 | 83.8 | 1.411 | -2.371 | 10.5 | 128.4 | 0.976D | NA | 0.73 | 0.726 | 173.6 | 159.3 | -68.8 | 0.727 |
| | | 12.32 | 16.09 | 28.42 | ONE | 19.479 | 315.2 | 78.9 | 11.9 | | | | | | | | | | |
| 44280.0 | 45610.0 | 0.610 | 197.1 | -7.0 | 0.08 | 1.565 | 77.6 | 1.402 | -2.359 | 21.2 | 128.9 | 0.948D | NA | 0.75 | 0.728 | 173.7 | 159.4 | -68.7 | 0.728 |
| | | 13.45 | 16.14 | 29.59 | ONE | 19.479 | 315.2 | 78.9 | 12.0 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445710.0 | | | | | | | | | | | |
| 44230.0 | 45710.0 | 0.611 | 217.9 | -14.5 | 0.17 | 1.535 | 105.1 | 1.299 | -3.094 | 333.4 | 493.1 | 0.925 | NA | 0.62 | 0.655 | 173.3 | 159.7 | -68.4 | 0.658 |
| | | 13.49 | 14.35 | 27.84 | ONE | 19.744 | 310.5 | 79.7 | 13.5 | | | | | | | | | | |
| 44240.0 | 45710.0 | 0.562 | 215.6 | -13.8 | 0.11 | 1.537 | 99.9 | 1.314 | -3.048 | 342.6 | 492.2 | 0.958 | NA | 0.67 | 0.658 | 173.2 | 159.5 | -68.6 | 0.661 |
| | | 12.26 | 14.43 | 26.68 | ONE | 19.744 | 310.5 | 79.7 | 13.3 | | | | | | | | | | |
| 44250.0 | 45710.0 | 0.531 | 211.2 | -12.4 | 0.09 | 1.538 | 94.4 | 1.325 | -3.013 | 352.2 | 491.6 | 0.978 | NA | 0.70 | 0.661 | 173.1 | 159.4 | -68.7 | 0.663 |
| | | 11.48 | 14.49 | 25.96 | ONE | 19.744 | 310.5 | 79.7 | 13.2 | | | | | | | | | | |
| 44260.0 | 45710.0 | 0.523 | 205.3 | -10.3 | 0.07 | 1.539 | 88.7 | 1.329 | -2.987 | 2.2 | 131.4 | 0.984D | NA | 0.72 | 0.663 | 173.1 | 159.3 | -68.8 | 0.665 |
| | | 11.29 | 14.54 | 25.83 | ONE | 19.744 | 310.5 | 79.7 | 13.1 | | | | | | | | | | |
| 44270.0 | 45710.0 | 0.544 | 199.3 | -7.9 | 0.07 | 1.538 | 82.8 | 1.327 | -2.969 | 12.5 | 131.6 | 0.972D | NA | 0.74 | 0.665 | 173.2 | 159.4 | -68.8 | 0.667 |
| | | 11.79 | 14.58 | 26.37 | ONE | 19.744 | 310.5 | 79.7 | 13.1 | | | | | | | | | | |
| 44280.0 | 45710.0 | 0.592 | 194.2 | -5.9 | 0.06 | 1.538 | 76.7 | 1.318 | -2.958 | 23.3 | 132.2 | 0.941D | NA | 0.75 | 0.666 | 173.3 | 159.5 | -68.7 | 0.668 |
| | | 13.01 | 14.62 | 27.63 | ONE | 19.744 | 310.5 | 79.7 | 13.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445810.0 | | | | | | | | | | | |
| 44220.0 | 45810.0 | 0.637 | 216.8 | -13.9 | 0.27 | 1.512 | 108.9 | 1.226 | -3.942 | 325.8 | 496.9 | 0.891 | NA | 0.51 | 0.599 | 172.9 | 160.0 | -68.2 | 0.604 |
| | | 14.14 | 13.04 | 27.18 | ONE | 18.254 | 305.0 | 80.4 | 15.0 | | | | | | | | | | |
| 44230.0 | 45810.0 | 0.579 | 216.1 | -14.0 | 0.13 | 1.514 | 103.9 | 1.241 | -3.871 | 334.9 | 495.8 | 0.932 | NA | 0.65 | 0.603 | 172.8 | 159.7 | -68.4 | 0.607 |
| | | 12.67 | 13.11 | 25.79 | ONE | 18.254 | 305.0 | 80.4 | 14.7 | | | | | | | | | | |
| 44240.0 | 45810.0 | 0.533 | 213.4 | -13.2 | 0.08 | 1.515 | 98.8 | 1.252 | -3.814 | 344.2 | 495.0 | 0.963 | NA | 0.70 | 0.606 | 172.7 | 159.6 | -68.6 | 0.610 |
| | | 11.53 | 13.17 | 24.71 | ONE | 18.254 | 305.0 | 80.4 | 14.5 | | | | | | | | | | |
| 44250.0 | 45810.0 | 0.505 | 208.6 | -11.5 | 0.07 | 1.516 | 93.4 | 1.260 | -3.771 | 353.9 | 494.5 | 0.980 | NA | 0.72 | 0.609 | 172.6 | 159.4 | -68.7 | 0.612 |
| | | 10.86 | 13.22 | 24.08 | ONE | 18.254 | 305.0 | 80.4 | 14.4 | | | | | | | | | | |
| 44260.0 | 45810.0 | 0.502 | 202.5 | -9.3 | 0.05 | 1.516 | 87.8 | 1.263 | -3.740 | 4.0 | 134.4 | 0.983D | NA | 0.74 | 0.610 | 172.6 | 159.4 | -68.8 | 0.614 |
| | | 10.79 | 13.27 | 24.05 | ONE | 18.254 | 305.0 | 80.4 | 14.3 | | | | | | | | | | |
| 44270.0 | 45810.0 | 0.527 | 196.5 | -6.9 | 0.05 | 1.516 | 82.0 | 1.260 | -3.721 | 14.4 | 134.6 | 0.968D | NA | 0.75 | 0.612 | 172.7 | 159.4 | -68.8 | 0.615 |
| | | 11.39 | 13.30 | 24.69 | ONE | 18.254 | 305.0 | 80.4 | 14.3 | | | | | | | | | | |
| 44280.0 | 45810.0 | 0.580 | 191.7 | -4.9 | 0.04 | 1.515 | 76.0 | 1.252 | -3.711 | 25.2 | 135.3 | 0.935D | NA | 0.76 | 0.612 | 172.8 | 159.5 | -68.6 | 0.616 |
| | | 12.69 | 13.33 | 26.01 | ONE | 18.254 | 305.0 | 80.4 | 14.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445910.0 | | | | | | | | | | | |
| 44220.0 | 45910.0 | 0.608 | 215.4 | -13.6 | 0.19 | 1.494 | 107.9 | 1.181 | -4.960 | 327.1 | 499.4 | 0.899 | NA | 0.59 | 0.554 | 172.4 | 160.0 | -68.1 | 0.561 |
| | | 13.41 | 11.99 | 25.40 | ONE | 18.424 | 298.6 | 81.0 | 16.2 | | | | | | | | | | |
| 44230.0 | 45910.0 | 0.552 | 214.4 | -13.5 | 0.08 | 1.496 | 102.9 | 1.193 | -4.867 | 336.2 | 498.4 | 0.938 | NA | 0.69 | 0.557 | 172.2 | 159.8 | -68.4 | 0.563 |
| | | 12.01 | 12.05 | 24.06 | ONE | 18.424 | 298.6 | 81.0 | 15.9 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44240.0 | 45910.0 | 0.509 | 211.3 | -12.5 | 0.05 | 1.498 | 97.8 | 1.202 | -4.795 | 345.7 | 497.7 | 0.967 | NA | 0.73 | 0.560 | 172.1 | 159.6 | -68.6 | 0.565 |
| | | 10.95 | 12.10 | 23.05 | ONE | 18.424 | 298.6 | 81.0 | 15.7 | | | | | | | | | | |
| 44250.0 | 45910.0 | 0.485 | 206.2 | -10.7 | 0.04 | 1.498 | 92.5 | 1.207 | -4.741 | 355.4 | 497.2 | 0.982 | NA | 0.74 | 0.562 | 172.1 | 159.5 | -68.7 | 0.567 |
| | | 10.37 | 12.14 | 22.51 | ONE | 18.424 | 298.6 | 81.0 | 15.6 | | | | | | | | | | |
| 44260.0 | 45910.0 | 0.486 | 200.0 | -8.3 | 0.03 | 1.498 | 87.0 | 1.209 | -4.705 | 5.5 | 137.1 | 0.982D | NA | 0.75 | 0.564 | 172.1 | 159.5 | -68.7 | 0.569 |
| | | 10.40 | 12.18 | 22.57 | ONE | 18.424 | 298.6 | 81.0 | 15.6 | | | | | | | | | | |
| 44270.0 | 45910.0 | 0.515 | 194.0 | -5.9 | 0.03 | 1.498 | 81.2 | 1.206 | -4.684 | 16.0 | 137.4 | 0.964D | NA | 0.76 | 0.565 | 172.2 | 159.5 | -68.7 | 0.570 |
| | | 11.09 | 12.20 | 23.29 | ONE | 18.424 | 298.6 | 81.0 | 15.6 | | | | | | | | | | |
| 44280.0 | 45910.0 | 0.570 | 189.6 | -4.1 | 0.03 | 1.497 | 75.3 | 1.199 | -4.677 | 26.8 | 138.1 | 0.929D | NA | 0.76 | 0.565 | 172.4 | 159.7 | -68.6 | 0.571 |
| | | 12.45 | 12.22 | 24.67 | ONE | 18.424 | 298.6 | 81.0 | 15.8 | | | | | | | | | | |
| 44290.0 | 45910.0 | 0.646 | 187.0 | -3.0 | 0.03 | 1.495 | 69.3 | 1.187 | -4.681 | 38.1 | 139.3 | 0.875D | NA | 0.77 | 0.565 | 172.6 | 159.9 | -68.3 | 0.571 |
| | | 14.38 | 12.24 | 26.62 | ONE | 18.424 | 298.6 | 81.0 | 16.0 | | | | | | | | | | |
| ARRIVAL DATE = 2446010.0 | | | | | | | | | | | | | | | | | | | |
| 44210.0 | 46010.0 | 0.646 | 213.3 | -13.7 | -0.14 | 1.478 | 111.7 | 1.133 | -6.456 | 319.2 | 502.9 | 0.859 | NA | 0.91 | 0.510 | 172.0 | 160.6 | -67.8 | 0.519 |
| | | 14.39 | 11.02 | 25.41 | TWO | 19.894 | 291.5 | 81.5 | 17.8 | | | | | | | | | | |
| 44220.0 | 46010.0 | 0.584 | 214.2 | -13.5 | 0.08 | 1.480 | 107.0 | 1.144 | -6.301 | 328.2 | 501.7 | 0.906 | NA | 0.69 | 0.514 | 171.8 | 160.2 | -68.1 | 0.522 |
| | | 12.80 | 11.08 | 23.88 | ONE | 19.894 | 291.5 | 81.5 | 17.5 | | | | | | | | | | |
| 44230.0 | 46010.0 | 0.530 | 212.9 | -13.2 | 0.03 | 1.482 | 102.1 | 1.153 | -6.177 | 337.4 | 500.8 | 0.943 | NA | 0.74 | 0.517 | 171.7 | 159.9 | -68.3 | 0.524 |
| | | 11.46 | 11.13 | 22.59 | ONE | 19.894 | 291.5 | 81.5 | 17.2 | | | | | | | | | | |
| 44240.0 | 46010.0 | 0.489 | 209.4 | -12.0 | 0.02 | 1.483 | 97.0 | 1.159 | -6.081 | 347.0 | 500.1 | 0.970 | NA | 0.75 | 0.519 | 171.6 | 159.7 | -68.5 | 0.526 |
| | | 10.47 | 11.18 | 21.65 | ONE | 19.894 | 291.5 | 81.5 | 17.0 | | | | | | | | | | |
| 44250.0 | 46010.0 | 0.468 | 204.0 | -10.0 | 0.02 | 1.483 | 91.7 | 1.163 | -6.013 | 356.8 | 499.8 | 0.983 | NA | 0.76 | 0.521 | 171.5 | 159.6 | -68.6 | 0.527 |
| | | 9.98 | 11.21 | 21.19 | ONE | 19.894 | 291.5 | 81.5 | 16.9 | | | | | | | | | | |
| 44260.0 | 46010.0 | 0.473 | 197.7 | -7.5 | 0.01 | 1.483 | 86.3 | 1.164 | -5.969 | 7.0 | 139.7 | 0.980D | NA | 0.76 | 0.522 | 171.6 | 159.6 | -68.6 | 0.529 |
| | | 10.09 | 11.24 | 21.33 | ONE | 19.894 | 291.5 | 81.5 | 16.9 | | | | | | | | | | |
| 44270.0 | 46010.0 | 0.505 | 191.9 | -5.1 | 0.01 | 1.483 | 80.6 | 1.162 | -5.947 | 17.5 | 140.1 | 0.961D | NA | 0.77 | 0.523 | 171.7 | 159.7 | -68.6 | 0.529 |
| | | 10.86 | 11.26 | 22.12 | ONE | 19.894 | 291.5 | 81.5 | 16.9 | | | | | | | | | | |
| 44280.0 | 46010.0 | 0.563 | 187.7 | -3.3 | 0.01 | 1.482 | 74.8 | 1.155 | -5.945 | 28.3 | 140.8 | 0.923D | NA | 0.77 | 0.523 | 171.8 | 159.8 | -68.4 | 0.530 |
| | | 12.26 | 11.28 | 23.54 | ONE | 19.894 | 291.5 | 81.5 | 17.1 | | | | | | | | | | |
| 44290.0 | 46010.0 | 0.639 | 185.5 | -2.4 | 0.01 | 1.480 | 68.8 | 1.146 | -5.959 | 39.6 | 142.0 | 0.868D | NA | 0.77 | 0.522 | 172.1 | 160.0 | -68.2 | 0.531 |
| | | 14.21 | 11.29 | 25.50 | ONE | 19.894 | 291.5 | 81.5 | 17.3 | | | | | | | | | | |
| ARRIVAL DATE = 2446110.0 | | | | | | | | | | | | | | | | | | | |
| 44210.0 | 46110.0 | 0.625 | 212.7 | -13.0 | 0.08 | 1.466 | 110.9 | 1.104 | -8.352 | 320.2 | 505.0 | 0.866 | NA | 0.69 | 0.474 | 171.4 | 160.6 | -67.6 | 0.485 |
| | | 13.85 | 10.24 | 24.09 | TWO | 19.408 | 283.6 | 81.9 | 19.1 | | | | | | | | | | |
| 44220.0 | 46110.0 | 0.564 | 213.0 | -13.5 | -0.08 | 1.468 | 106.2 | 1.112 | -8.131 | 329.2 | 503.9 | 0.911 | NA | 0.85 | 0.477 | 171.2 | 160.4 | -68.0 | 0.487 |
| | | 12.30 | 10.30 | 22.59 | ONE | 19.408 | 283.6 | 81.9 | 18.8 | | | | | | | | | | |
| 44230.0 | 46110.0 | 0.511 | 211.5 | -12.8 | -0.03 | 1.469 | 101.3 | 1.119 | -7.957 | 338.5 | 503.1 | 0.948 | NA | 0.80 | 0.480 | 171.1 | 160.1 | -68.2 | 0.489 |
| | | 11.00 | 10.34 | 21.34 | ONE | 19.408 | 283.6 | 81.9 | 18.5 | | | | | | | | | | |
| 44240.0 | 46110.0 | 0.473 | 207.7 | -11.5 | -0.02 | 1.470 | 96.3 | 1.124 | -7.826 | 348.1 | 502.5 | 0.972 | NA | 0.79 | 0.482 | 171.0 | 159.9 | -68.4 | 0.491 |
| | | 10.08 | 10.38 | 20.46 | ONE | 19.408 | 283.6 | 81.9 | 18.3 | | | | | | | | | | |
| 44250.0 | 46110.0 | 0.455 | 202.1 | -9.3 | -0.01 | 1.471 | 91.1 | 1.127 | -7.734 | 358.0 | 502.2 | 0.983 | NA | 0.78 | 0.484 | 171.0 | 159.8 | -68.5 | 0.492 |
| | | 9.67 | 10.40 | 20.07 | ONE | 19.408 | 283.6 | 81.9 | 18.2 | | | | | | | | | | |
| 44260.0 | 46110.0 | 0.463 | 195.7 | -6.7 | -0.01 | 1.471 | 85.6 | 1.127 | -7.679 | 8.2 | 142.2 | 0.979D | NA | 0.78 | 0.485 | 171.0 | 159.8 | -68.5 | 0.493 |
| | | 9.85 | 10.43 | 20.28 | ONE | 19.408 | 283.6 | 81.9 | 18.2 | | | | | | | | | | |
| 44270.0 | 46110.0 | 0.498 | 190.1 | -4.4 | -0.01 | 1.470 | 80.1 | 1.125 | -7.658 | 18.7 | 142.6 | 0.958D | NA | 0.78 | 0.485 | 171.1 | 159.8 | -68.4 | 0.494 |
| | | 10.68 | 10.44 | 21.12 | ONE | 19.408 | 283.6 | 81.9 | 18.3 | | | | | | | | | | |
| 44280.0 | 46110.0 | 0.557 | 186.2 | -2.7 | -0.01 | 1.469 | 74.3 | 1.120 | -7.666 | 29.6 | 143.3 | 0.919D | NA | 0.78 | 0.485 | 171.3 | 160.0 | -68.3 | 0.494 |
| | | 12.12 | 10.46 | 22.57 | ONE | 19.408 | 283.6 | 81.9 | 18.4 | | | | | | | | | | |
| 44290.0 | 46110.0 | 0.634 | 184.2 | -1.8 | -0.01 | 1.467 | 68.4 | 1.112 | -7.697 | 40.9 | 144.4 | 0.862D | NA | 0.77 | 0.485 | 171.6 | 160.3 | -68.0 | 0.495 |
| | | 14.07 | 10.47 | 24.55 | ONE | 19.408 | 283.6 | 81.9 | 18.7 | | | | | | | | | | |
| ARRIVAL DATE = 2446210.0 | | | | | | | | | | | | | | | | | | | |
| 44210.0 | 46210.0 | 0.607 | 212.0 | -12.4 | 0.22 | 1.456 | 110.3 | 1.079 | -11.083 | 321.0 | 507.0 | 0.872 | NA | 0.56 | 0.442 | 170.8 | 160.7 | -67.5 | 0.454 |
| | | 13.39 | 9.57 | 22.96 | TWO | 18.081 | 275.2 | 82.1 | 20.5 | | | | | | | | | | |
| 44220.0 | 46210.0 | 0.547 | 211.8 | -13.7 | -0.32 | 1.458 | 105.6 | 1.085 | -10.750 | 330.1 | 506.0 | 0.916 | NA | 1.09 | 0.445 | 170.6 | 160.6 | -67.8 | 0.456 |
| | | 11.87 | 9.61 | 21.49 | ONE | 18.081 | 275.2 | 82.1 | 20.1 | | | | | | | | | | |
| 44230.0 | 46210.0 | 0.495 | 210.2 | -12.6 | -0.09 | 1.459 | 100.7 | 1.091 | -10.491 | 339.5 | 505.2 | 0.951 | NA | 0.86 | 0.447 | 170.5 | 160.3 | -68.1 | 0.458 |
| | | 10.63 | 9.65 | 20.28 | ONE | 18.081 | 275.2 | 82.1 | 19.9 | | | | | | | | | | |
| 44240.0 | 46210.0 | 0.459 | 206.2 | -11.0 | -0.06 | 1.460 | 95.7 | 1.095 | -10.300 | 349.1 | 504.7 | 0.974 | NA | 0.82 | 0.449 | 170.4 | 160.1 | -68.3 | 0.459 |
| | | 9.77 | 9.68 | 19.45 | ONE | 18.081 | 275.2 | 82.1 | 19.7 | | | | | | | | | | |
| 44250.0 | 46210.0 | 0.444 | 200.4 | -8.7 | -0.04 | 1.460 | 90.5 | 1.097 | -10.171 | 359.1 | 504.4 | 0.983 | NA | 0.81 | 0.451 | 170.4 | 160.0 | -68.3 | 0.460 |
| | | 9.41 | 9.70 | 19.12 | ONE | 18.081 | 275.2 | 82.1 | 19.6 | | | | | | | | | | |
| 44260.0 | 46210.0 | 0.454 | 194.0 | -6.1 | -0.03 | 1.460 | 85.1 | 1.097 | -10.100 | 9.3 | 144.5 | 0.977D | NA | 0.80 | 0.452 | 170.4 | 160.0 | -68.4 | 0.461 |
| | | 9.66 | 9.72 | 19.38 | ONE | 18.081 | 275.2 | 82.1 | 19.6 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V I / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44270.0 | 46210.0 | 0.492 | 188.5 | -3.8 | -0.03 | 1.459 | 79.6 | 1.095 | -10.081 | 19.9 | 144.9 | 0.955D | NA | 0.79 | 0.452 | 170.6 | 160.0 | -68.3 | 0.462 |
| | | 10.54 | 9.74 | 20.27 | ONE | 18.081 | 275.2 | 82.1 | 19.7 | | | | | | | | | | |
| 44280.0 | 46210.0 | 0.552 | 184.8 | -2.2 | -0.03 | 1.458 | 73.9 | 1.090 | -10.108 | 30.7 | 145.6 | 0.914D | NA | 0.78 | 0.451 | 170.8 | 160.2 | -68.1 | 0.462 |
| | | 12.00 | 9.75 | 21.75 | ONE | 18.081 | 275.2 | 82.1 | 19.8 | | | | | | | | | | |
| 44290.0 | 46210.0 | 0.630 | 183.2 | -1.4 | -0.02 | 1.456 | 68.1 | 1.084 | -10.173 | 42.0 | 146.7 | 0.857D | NA | 0.78 | 0.451 | 171.1 | 160.5 | -67.8 | 0.463 |
| | | 13.96 | 9.76 | 23.72 | ONE | 18.081 | 275.2 | 82.1 | 20.1 | | | | | | | | | | |
| ARRIVAL DATE = 2446310.0 | | | | | | | | | | | | | | | | | | | |
| 44210.0 | 46310.0 | 0.592 | 211.5 | -12.0 | 0.31 | 1.447 | 109.7 | 1.057 | -15.316 | 321.7 | 508.9 | 0.877 | NA | 0.47 | 0.412 | 170.2 | 160.9 | -67.3 | 0.426 |
| | | 13.00 | 8.98 | 21.98 | TWO | 18.972 | 266.6 | 82.1 | 21.9 | | | | | | | | | | |
| 44220.0 | 46310.0 | 0.533 | 210.5 | -14.6 | -0.77 | 1.449 | 105.0 | 1.062 | -14.766 | 330.9 | 508.0 | 0.920 | NA | 1.54 | 0.415 | 170.0 | 161.0 | -67.7 | 0.428 |
| | | 11.52 | 9.02 | 20.54 | ONE | 18.972 | 266.6 | 82.1 | 21.5 | | | | | | | | | | |
| 44230.0 | 46310.0 | 0.482 | 209.0 | -12.4 | -0.17 | 1.450 | 100.2 | 1.066 | -14.347 | 340.3 | 507.2 | 0.954 | NA | 0.94 | 0.418 | 169.9 | 160.5 | -67.9 | 0.430 |
| | | 10.31 | 9.05 | 19.36 | ONE | 18.972 | 266.6 | 82.1 | 21.2 | | | | | | | | | | |
| 44240.0 | 46310.0 | 0.447 | 204.8 | -10.6 | -0.10 | 1.451 | 95.2 | 1.069 | -14.045 | 350.0 | 506.7 | 0.976 | NA | 0.86 | 0.420 | 169.8 | 160.3 | -68.1 | 0.431 |
| | | 9.50 | 9.07 | 18.57 | ONE | 18.972 | 266.6 | 82.1 | 21.1 | | | | | | | | | | |
| 44250.0 | 46310.0 | 0.434 | 198.8 | -8.2 | -0.07 | 1.451 | 90.0 | 1.071 | -13.850 | 360.0 | 506.5 | 0.983 | NA | 0.83 | 0.421 | 169.8 | 160.2 | -68.2 | 0.432 |
| | | 9.20 | 9.09 | 18.30 | ONE | 18.972 | 266.6 | 82.1 | 21.0 | | | | | | | | | | |
| 44260.0 | 46310.0 | 0.448 | 192.5 | -5.5 | -0.06 | 1.451 | 84.7 | 1.071 | -13.752 | 10.3 | 146.6 | 0.976D | NA | 0.81 | 0.421 | 169.8 | 160.2 | -68.2 | 0.433 |
| | | 9.50 | 9.11 | 18.61 | ONE | 18.972 | 266.6 | 82.1 | 21.0 | | | | | | | | | | |
| 44270.0 | 46310.0 | 0.487 | 187.1 | -3.2 | -0.05 | 1.450 | 79.2 | 1.069 | -13.741 | 20.8 | 147.0 | 0.952D | NA | 0.80 | 0.421 | 170.0 | 160.3 | -68.1 | 0.433 |
| | | 10.42 | 9.12 | 19.54 | ONE | 18.972 | 266.6 | 82.1 | 21.1 | | | | | | | | | | |
| 44280.0 | 46310.0 | 0.548 | 183.7 | -1.7 | -0.04 | 1.449 | 73.6 | 1.066 | -13.807 | 31.7 | 147.7 | 0.911D | NA | 0.79 | 0.421 | 170.2 | 160.5 | -67.9 | 0.434 |
| | | 11.90 | 9.13 | 21.03 | ONE | 18.972 | 266.6 | 82.1 | 21.3 | | | | | | | | | | |
| 44290.0 | 46310.0 | 0.626 | 182.3 | -1.1 | -0.04 | 1.447 | 67.9 | 1.061 | -13.941 | 42.9 | 148.8 | 0.853D | NA | 0.78 | 0.420 | 170.5 | 160.8 | -67.6 | 0.434 |
| | | 13.86 | 9.14 | 23.01 | ONE | 18.972 | 266.6 | 82.1 | 21.6 | | | | | | | | | | |
| ARRIVAL DATE = 2446410.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 46410.0 | 0.644 | 209.3 | -11.6 | 0.17 | 1.438 | 113.8 | 1.034 | -24.056 | 313.2 | 511.8 | 0.830 | NA | 0.61 | 0.382 | 169.8 | 161.6 | -66.6 | 0.399 |
| | | 14.34 | 8.42 | 22.76 | TWO | 20.090 | 258.1 | 81.9 | 23.8 | | | | | | | | | | |
| 44210.0 | 46410.0 | 0.579 | 211.0 | -11.7 | 0.37 | 1.440 | 109.2 | 1.039 | -22.684 | 322.3 | 510.7 | 0.881 | NA | 0.40 | 0.386 | 169.5 | 161.1 | -67.0 | 0.401 |
| | | 12.68 | 8.46 | 21.14 | TWO | 20.090 | 258.1 | 81.9 | 23.3 | | | | | | | | | | |
| 44220.0 | 46410.0 | 0.521 | 208.8 | -17.0 | -1.82 | 1.441 | 104.5 | 1.043 | -21.637 | 331.5 | 509.8 | 0.924 | NA | 2.59 | 0.388 | 169.3 | 161.8 | -67.5 | 0.403 |
| | | 11.25 | 8.49 | 19.74 | ONE | 20.090 | 258.1 | 81.9 | 23.0 | | | | | | | | | | |
| 44230.0 | 46410.0 | 0.471 | 208.0 | -12.4 | -0.27 | 1.443 | 99.7 | 1.046 | -20.862 | 341.0 | 509.1 | 0.956 | NA | 1.03 | 0.391 | 169.2 | 160.8 | -67.7 | 0.404 |
| | | 10.05 | 8.52 | 18.57 | ONE | 20.090 | 258.1 | 81.9 | 22.7 | | | | | | | | | | |
| 44240.0 | 46410.0 | 0.438 | 203.6 | -10.4 | -0.15 | 1.443 | 94.7 | 1.048 | -20.320 | 350.8 | 508.7 | 0.977 | NA | 0.91 | 0.392 | 169.1 | 160.6 | -67.9 | 0.405 |
| | | 9.28 | 8.54 | 17.82 | ONE | 20.090 | 258.1 | 81.9 | 22.5 | | | | | | | | | | |
| 44250.0 | 46410.0 | 0.427 | 197.5 | -7.8 | -0.10 | 1.444 | 89.6 | 1.049 | -19.984 | 0.8 | 148.5 | 0.983D | NA | 0.86 | 0.393 | 169.1 | 160.5 | -67.9 | 0.406 |
| | | 9.03 | 8.56 | 17.59 | ONE | 20.090 | 258.1 | 81.9 | 22.4 | | | | | | | | | | |
| 44260.0 | 46410.0 | 0.442 | 191.2 | -5.1 | -0.08 | 1.443 | 84.3 | 1.049 | -19.832 | 11.1 | 148.6 | 0.975D | NA | 0.83 | 0.394 | 169.2 | 160.5 | -67.9 | 0.407 |
| | | 9.37 | 8.57 | 17.95 | ONE | 20.090 | 258.1 | 81.9 | 22.4 | | | | | | | | | | |
| 44270.0 | 46410.0 | 0.483 | 186.0 | -2.8 | -0.07 | 1.442 | 78.9 | 1.048 | -19.847 | 21.6 | 149.0 | 0.950D | NA | 0.81 | 0.394 | 169.3 | 160.6 | -67.8 | 0.407 |
| | | 10.32 | 8.58 | 18.90 | ONE | 20.090 | 258.1 | 81.9 | 22.5 | | | | | | | | | | |
| 44280.0 | 46410.0 | 0.545 | 182.8 | -1.4 | -0.06 | 1.441 | 73.4 | 1.045 | -20.011 | 32.5 | 149.7 | 0.908D | NA | 0.80 | 0.393 | 169.6 | 160.8 | -67.6 | 0.408 |
| | | 11.82 | 8.59 | 20.41 | ONE | 20.090 | 258.1 | 81.9 | 22.8 | | | | | | | | | | |
| 44290.0 | 46410.0 | 0.622 | 181.6 | -0.8 | -0.06 | 1.439 | 67.7 | 1.042 | -20.309 | 43.7 | 150.8 | 0.849D | NA | 0.79 | 0.392 | 169.9 | 161.1 | -67.3 | 0.408 |
| | | 13.78 | 8.60 | 22.38 | ONE | 20.090 | 258.1 | 81.9 | 23.1 | | | | | | | | | | |
| ARRIVAL DATE = 2446510.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 46510.0 | 0.633 | 208.9 | -11.4 | 0.21 | 1.431 | 113.4 | 1.020 | -42.183 | 313.7 | 513.4 | 0.833 | NA | 0.57 | 0.358 | 169.1 | 161.9 | -66.3 | 0.377 |
| | | 14.05 | 7.98 | 22.03 | TWO | 18.973 | 250.2 | 81.6 | 25.3 | | | | | | | | | | |
| 44210.0 | 46510.0 | 0.568 | 210.6 | -11.4 | 0.42 | 1.433 | 108.8 | 1.023 | -38.547 | 322.8 | 512.4 | 0.884 | NA | 0.35 | 0.361 | 168.8 | 161.4 | -66.7 | 0.379 |
| | | 12.41 | 8.01 | 20.41 | TWO | 18.973 | 250.2 | 81.6 | 24.8 | | | | | | | | | | |
| 44220.0 | 46510.0 | 0.532 | 203.1 | -30.7 | -7.35 | 1.435 | 104.1 | 1.026 | -35.933 | 332.1 | 511.5 | 0.927 | NA | 8.12 | 0.364 | 168.6 | 164.7 | -67.5 | 0.380 |
| | | 11.51 | 8.04 | 19.55 | ONE | 18.973 | 250.2 | 81.6 | 24.6 | | | | | | | | | | |
| 44230.0 | 46510.0 | 0.462 | 207.0 | -12.4 | -0.38 | 1.436 | 99.3 | 1.028 | -34.090 | 341.6 | 510.9 | 0.958 | NA | 1.14 | 0.366 | 168.5 | 161.2 | -67.4 | 0.381 |
| | | 9.83 | 8.06 | 17.88 | ONE | 18.973 | 250.2 | 81.6 | 24.1 | | | | | | | | | | |
| 44240.0 | 46510.0 | 0.430 | 202.5 | -10.1 | -0.20 | 1.437 | 94.4 | 1.030 | -32.857 | 351.4 | 510.5 | 0.978 | NA | 0.95 | 0.367 | 168.4 | 160.9 | -67.6 | 0.382 |
| | | 9.10 | 8.08 | 17.17 | ONE | 18.973 | 250.2 | 81.6 | 24.0 | | | | | | | | | | |
| 44250.0 | 46510.0 | 0.420 | 196.4 | -7.5 | -0.14 | 1.437 | 89.3 | 1.031 | -32.132 | 1.4 | 150.3 | 0.983D | NA | 0.89 | 0.368 | 168.4 | 160.8 | -67.7 | 0.383 |
| | | 8.89 | 8.09 | 16.98 | ONE | 18.973 | 250.2 | 81.6 | 23.9 | | | | | | | | | | |
| 44260.0 | 46510.0 | 0.437 | 190.1 | -4.7 | -0.11 | 1.437 | 84.0 | 1.031 | -31.845 | 11.8 | 150.5 | 0.974D | NA | 0.85 | 0.369 | 168.5 | 160.8 | -67.6 | 0.383 |
| | | 9.27 | 8.10 | 17.37 | ONE | 18.973 | 250.2 | 81.6 | 23.9 | | | | | | | | | | |
| 44270.0 | 46510.0 | 0.479 | 185.0 | -2.5 | -0.09 | 1.436 | 78.7 | 1.030 | -31.952 | 22.3 | 150.9 | 0.948D | NA | 0.83 | 0.369 | 168.7 | 160.9 | -67.5 | 0.384 |
| | | 10.24 | 8.11 | 18.35 | ONE | 18.973 | 250.2 | 81.6 | 24.0 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 46510.0 | 0.542 | 182.0 | -1.1 | -0.08 | 1.434 | 73.2 | 1.028 | -32.423 | 33.2 | 151.6 | 0.905D | NA | 0.81 | 0.368 | 168.9 | 161.1 | -67.3 | 0.384 |
| | | 11.74 | 8.12 | 19.86 | ONE | 18.973 | 250.2 | 81.6 | 24.3 | | | | | | | | | | |
| 44290.0 | 46510.0 | 0.619 | 181.0 | -0.6 | -0.07 | 1.433 | 67.6 | 1.025 | -33.230 | 44.3 | 152.6 | 0.847D | NA | 0.79 | 0.367 | 169.2 | 161.4 | -66.9 | 0.385 |
| | | 13.69 | 8.13 | 21.82 | ONE | 18.973 | 250.2 | 81.6 | 24.6 | | | | | | | | | | |
| ARRIVAL DATE = 2446610.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 46610.0 | 0.624 | 208.7 | -11.2 | 0.24 | 1.426 | 113.1 | 1.007 | ******* | 314.0 | 515.0 | 0.837 | NA | 0.54 | 0.336 | 168.4 | 162.2 | -66.0 | 0.357 |
| | | 13.81 | 7.58 | 21.39 | TWO | 18.167 | 242.9 | 81.2 | 26.8 | | | | | | | | | | |
| 44210.0 | 46610.0 | 0.559 | 210.2 | -11.1 | 0.46 | 1.428 | 108.5 | 1.009 | -96.639 | 323.2 | 514.0 | 0.887 | NA | 0.31 | 0.339 | 168.1 | 161.7 | -66.4 | 0.358 |
| | | 12.18 | 7.61 | 19.79 | TWO | 18.167 | 242.9 | 81.2 | 26.3 | | | | | | | | | | |
| 44220.0 | 46610.0 | 0.526 | 217.5 | 7.4 | 7.82 | 1.429 | 103.8 | 1.011 | -83.134 | 332.5 | 513.2 | 0.929 | NA | -7.05 | 0.341 | 167.9 | 158.0 | -66.2 | 0.360 |
| | | 11.37 | 7.64 | 19.01 | TWO | 18.167 | 242.9 | 81.2 | 26.1 | | | | | | | | | | |
| 44230.0 | 46610.0 | 0.454 | 206.2 | -12.6 | -0.52 | 1.431 | 99.0 | 1.013 | -74.864 | 342.1 | 512.6 | 0.960 | NA | 1.28 | 0.343 | 167.8 | 161.6 | -67.1 | 0.360 |
| | | 9.64 | 7.65 | 17.29 | ONE | 18.167 | 242.9 | 81.2 | 25.7 | | | | | | | | | | |
| 44240.0 | 46610.0 | 0.423 | 201.6 | -10.0 | -0.26 | 1.431 | 94.1 | 1.014 | -69.862 | 351.9 | 512.2 | 0.978 | NA | 1.01 | 0.345 | 167.7 | 161.3 | -67.3 | 0.361 |
| | | 8.94 | 7.67 | 16.61 | ONE | 18.167 | 242.9 | 81.2 | 25.5 | | | | | | | | | | |
| 44250.0 | 46610.0 | 0.415 | 195.4 | -7.2 | -0.17 | 1.431 | 89.0 | 1.015 | -67.159 | 2.0 | 152.1 | 0.983D | NA | 0.92 | 0.345 | 167.7 | 161.1 | -67.4 | 0.362 |
| | | 8.77 | 7.68 | 16.45 | ONE | 18.167 | 242.9 | 81.2 | 25.4 | | | | | | | | | | |
| 44260.0 | 46610.0 | 0.433 | 189.2 | -4.4 | -0.13 | 1.431 | 83.8 | 1.015 | -66.267 | 12.3 | 152.2 | 0.973D | NA | 0.87 | 0.346 | 167.8 | 161.1 | -67.3 | 0.362 |
| | | 9.17 | 7.69 | 16.86 | ONE | 18.167 | 242.9 | 81.2 | 25.4 | | | | | | | | | | |
| 44270.0 | 46610.0 | 0.476 | 184.3 | -2.2 | -0.11 | 1.430 | 78.5 | 1.014 | -66.958 | 22.9 | 152.6 | 0.946D | NA | 0.84 | 0.346 | 168.0 | 161.2 | -67.2 | 0.363 |
| | | 10.16 | 7.70 | 17.86 | ONE | 18.167 | 242.9 | 81.2 | 25.6 | | | | | | | | | | |
| 44280.0 | 46610.0 | 0.539 | 181.4 | -0.9 | -0.10 | 1.429 | 73.0 | 1.013 | -69.173 | 33.7 | 153.3 | 0.903D | NA | 0.82 | 0.345 | 168.2 | 161.5 | -66.9 | 0.363 |
| | | 11.67 | 7.71 | 19.38 | ONE | 18.167 | 242.9 | 81.2 | 25.8 | | | | | | | | | | |
| 44290.0 | 46610.0 | 0.616 | 180.5 | -0.4 | -0.09 | 1.427 | 67.5 | 1.012 | -72.971 | 44.8 | 154.3 | 0.844D | NA | 0.80 | 0.344 | 168.6 | 161.8 | -66.6 | 0.364 |
| | | 13.61 | 7.71 | 21.33 | ONE | 18.167 | 242.9 | 81.2 | 26.2 | | | | | | | | | | |
| ARRIVAL DATE = 2446710.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 46710.0 | 0.616 | 208.5 | -11.1 | 0.27 | 1.421 | 112.8 | 0.996 | 203.107 | 314.3 | 516.4 | 0.839 | 405.374A | 0.51 | 0.315 | 167.6 | 162.5 | -65.6 | 0.338 |
| | | 13.61 | 7.23 | 20.84 | TWO | 19.544 | 236.5 | 80.6 | 28.4 | | | | | | | | | | |
| 44210.0 | 46710.0 | 0.551 | 209.9 | -10.9 | 0.49 | 1.423 | 108.2 | 0.997 | 320.772 | 323.5 | 515.5 | 0.889 | 640.656A | 0.28 | 0.318 | 167.4 | 162.0 | -66.0 | 0.339 |
| | | 11.99 | 7.26 | 19.24 | TWO | 19.544 | 236.5 | 80.6 | 27.9 | | | | | | | | | | |
| 44220.0 | 46710.0 | 0.498 | 212.3 | -3.4 | 3.24 | 1.425 | 103.5 | 0.999 | 621.235 | 332.9 | 514.7 | 0.931 | *******A | -2.47 | 0.321 | 167.2 | 160.3 | -66.2 | 0.340 |
| | | 10.68 | 7.28 | 17.96 | TWO | 19.544 | 236.5 | 80.6 | 27.5 | | | | | | | | | | |
| 44230.0 | 46710.0 | 0.447 | 205.4 | -12.9 | -0.70 | 1.426 | 98.7 | 1.000 | ******* | 342.5 | 514.2 | 0.961 | *******A | 1.46 | 0.322 | 167.0 | 162.0 | -66.8 | 0.341 |
| | | 9.49 | 7.29 | 16.78 | ONE | 19.544 | 236.5 | 80.6 | 27.2 | | | | | | | | | | |
| 44240.0 | 46710.0 | 0.417 | 200.9 | -10.0 | -0.32 | 1.426 | 93.8 | 1.000 | ******* | 352.4 | 513.8 | 0.979 | NA | 1.07 | 0.324 | 167.0 | 161.6 | -66.9 | 0.342 |
| | | 8.81 | 7.31 | 16.12 | ONE | 19.544 | 236.5 | 80.6 | 27.0 | | | | | | | | | | |
| 44250.0 | 46710.0 | 0.410 | 194.6 | -7.1 | -0.21 | 1.426 | 88.8 | 1.001 | ******* | 2.5 | 153.7 | 0.983D | NA | 0.95 | 0.324 | 167.0 | 161.5 | -67.0 | 0.342 |
| | | 8.66 | 7.32 | 15.98 | ONE | 19.544 | 236.5 | 80.6 | 26.9 | | | | | | | | | | |
| 44260.0 | 46710.0 | 0.429 | 188.4 | -4.2 | -0.16 | 1.426 | 83.6 | 1.001 | ******* | 12.8 | 153.8 | 0.972D | NA | 0.89 | 0.325 | 167.0 | 161.5 | -67.0 | 0.343 |
| | | 9.09 | 7.33 | 16.42 | ONE | 19.544 | 236.5 | 80.6 | 27.0 | | | | | | | | | | |
| 44270.0 | 46710.0 | 0.473 | 183.6 | -2.0 | -0.14 | 1.425 | 78.3 | 1.001 | ******* | 23.3 | 154.2 | 0.945D | NA | 0.85 | 0.324 | 167.2 | 161.6 | -66.8 | 0.343 |
| | | 10.09 | 7.33 | 17.42 | ONE | 19.544 | 236.5 | 80.6 | 27.1 | | | | | | | | | | |
| 44280.0 | 46710.0 | 0.536 | 180.9 | -0.7 | -0.12 | 1.424 | 72.9 | 1.000 | ******* | 34.1 | 154.9 | 0.902D | NA | 0.83 | 0.324 | 167.5 | 161.8 | -66.5 | 0.344 |
| | | 11.60 | 7.34 | 18.94 | ONE | 19.544 | 236.5 | 80.6 | 27.4 | | | | | | | | | | |
| 44290.0 | 46710.0 | 0.613 | 180.1 | -0.3 | -0.11 | 1.422 | 67.4 | 1.000 | ******* | 45.2 | 155.8 | 0.843D | *******A | 0.80 | 0.322 | 167.9 | 162.1 | -66.2 | 0.344 |
| | | 13.53 | 7.35 | 20.88 | ONE | 19.544 | 236.5 | 80.6 | 27.8 | | | | | | | | | | |
| ARRIVAL DATE = 2446810.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 46810.0 | 0.610 | 208.4 | -11.0 | 0.30 | 1.417 | 112.6 | 0.986 | 60.865 | 314.5 | 517.8 | 0.841 | 120.890A | 0.49 | 0.296 | 166.9 | 162.9 | -65.1 | 0.321 |
| | | 13.44 | 6.93 | 20.37 | TWO | 20.030 | 230.9 | 79.9 | 30.0 | | | | | | | | | | |
| 44210.0 | 46810.0 | 0.545 | 209.7 | -10.8 | 0.52 | 1.419 | 108.0 | 0.987 | 67.604 | 323.8 | 516.9 | 0.891 | 134.317A | 0.26 | 0.299 | 166.6 | 162.4 | -65.6 | 0.322 |
| | | 11.83 | 6.94 | 18.77 | TWO | 20.030 | 230.9 | 79.9 | 29.5 | | | | | | | | | | |
| 44220.0 | 46810.0 | 0.489 | 211.0 | -5.8 | 2.27 | 1.421 | 103.3 | 0.987 | 74.458 | 333.2 | 516.2 | 0.932 | 147.983A | -1.50 | 0.301 | 166.4 | 161.1 | -65.9 | 0.323 |
| | | 10.48 | 6.96 | 17.44 | TWO | 20.030 | 230.9 | 79.9 | 29.1 | | | | | | | | | | |
| 44230.0 | 46810.0 | 0.441 | 204.7 | -13.5 | -0.94 | 1.422 | 98.5 | 0.988 | 80.834 | 342.9 | 515.7 | 0.962 | 160.705A | 1.70 | 0.303 | 166.2 | 162.5 | -66.4 | 0.324 |
| | | 9.36 | 6.98 | 16.34 | ONE | 20.030 | 230.9 | 79.9 | 28.8 | | | | | | | | | | |
| 44240.0 | 46810.0 | 0.412 | 200.2 | -10.0 | -0.39 | 1.422 | 93.6 | 0.989 | 85.982 | 352.7 | 515.3 | 0.979 | 170.986A | 1.14 | 0.304 | 166.2 | 162.1 | -66.5 | 0.324 |
| | | 8.71 | 6.99 | 15.69 | ONE | 20.030 | 230.9 | 79.9 | 28.6 | | | | | | | | | | |
| 44250.0 | 46810.0 | 0.406 | 194.0 | -7.0 | -0.25 | 1.422 | 88.6 | 0.989 | 89.158 | 2.8 | 155.2 | 0.983D | 177.332A | 0.99 | 0.305 | 166.2 | 161.9 | -66.6 | 0.325 |
| | | 8.58 | 7.00 | 15.57 | ONE | 20.030 | 230.9 | 79.9 | 28.5 | | | | | | | | | | |
| 44260.0 | 46810.0 | 0.426 | 187.8 | -4.1 | -0.19 | 1.422 | 83.5 | 0.989 | 89.894 | 13.1 | 155.4 | 0.971D | 178.817A | 0.92 | 0.305 | 166.3 | 161.9 | -66.6 | 0.325 |
| | | 9.02 | 7.00 | 16.02 | ONE | 20.030 | 230.9 | 79.9 | 28.6 | | | | | | | | | | |
| 44270.0 | 46810.0 | 0.470 | 183.1 | -1.9 | -0.16 | 1.421 | 78.2 | 0.989 | 88.186 | 23.7 | 155.8 | 0.944D | 175.429A | 0.87 | 0.305 | 166.4 | 162.0 | -66.4 | 0.326 |
| | | 10.03 | 7.01 | 17.04 | ONE | 20.030 | 230.9 | 79.9 | 28.7 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 46810.0 | 0.533 | 180.5 | -0.6 | -0.14 | 1.419 | 72.9 | 0.989 | 84.498 | 34.5 | 156.4 | 0.901D | 168.096A | 0.84 | 0.304 | 166.7 | 162.2 | -66.1 | 0.326 |
| | | 11.53 | 7.02 | 18.55 | ONE | 20.030 | 230.9 | 79.9 | 29.0 | | | | | | | | | | |
| 44290.0 | 46810.0 | 0.610 | 179.9 | -0.2 | -0.13 | 1.418 | 67.4 | 0.989 | 79.556 | 45.5 | 157.3 | 0.842D | 158.270A | 0.81 | 0.303 | 167.1 | 162.6 | -65.7 | 0.327 |
| | | 13.45 | 7.03 | 20.48 | ONE | 20.030 | 230.9 | 79.9 | 29.5 | | | | | | | | | | |
| ARRIVAL DATE = 2446910.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 46910.0 | 0.604 | 208.3 | -10.9 | 0.32 | 1.414 | 112.4 | 0.978 | 37.818 | 314.6 | 519.1 | 0.842 | 74.793A | 0.47 | 0.279 | 166.0 | 163.3 | -64.7 | 0.305 |
| | | 13.31 | 6.65 | 19.96 | TWO | 18.572 | 226.1 | 79.1 | 31.7 | | | | | | | | | | |
| 44210.0 | 46910.0 | 0.540 | 209.6 | -10.7 | 0.54 | 1.416 | 107.8 | 0.978 | 40.081 | 323.9 | 518.2 | 0.892 | 79.270A | 0.24 | 0.281 | 165.8 | 162.7 | -65.1 | 0.306 |
| | | 11.69 | 6.67 | 18.36 | TWO | 18.572 | 226.1 | 79.1 | 31.2 | | | | | | | | | | |
| 44220.0 | 46910.0 | 0.484 | 210.3 | -6.7 | 1.84 | 1.417 | 103.1 | 0.978 | 42.172 | 333.4 | 517.6 | 0.933 | 83.410A | -1.08 | 0.284 | 165.6 | 161.7 | -65.4 | 0.307 |
| | | 10.34 | 6.68 | 17.02 | TWO | 18.572 | 226.1 | 79.1 | 30.8 | | | | | | | | | | |
| 44230.0 | 46910.0 | 0.437 | 204.0 | -14.4 | -1.27 | 1.418 | 98.4 | 0.978 | 43.943 | 343.1 | 517.1 | 0.963 | 86.924A | 2.03 | 0.285 | 165.4 | 163.1 | -66.0 | 0.308 |
| | | 9.26 | 6.70 | 15.96 | ONE | 18.572 | 226.1 | 79.1 | 30.5 | | | | | | | | | | |
| 44240.0 | 46910.0 | 0.408 | 199.7 | -10.1 | -0.48 | 1.418 | 93.5 | 0.978 | 45.254 | 353.0 | 516.8 | 0.980 | 89.529A | 1.22 | 0.286 | 165.3 | 162.5 | -66.1 | 0.308 |
| | | 8.61 | 6.70 | 15.32 | ONE | 18.572 | 226.1 | 79.1 | 30.3 | | | | | | | | | | |
| 44250.0 | 46910.0 | 0.403 | 193.5 | -6.9 | -0.30 | 1.418 | 88.5 | 0.979 | 45.995 | 3.1 | 156.7 | 0.983D | 91.008A | 1.03 | 0.287 | 165.3 | 162.4 | -66.2 | 0.309 |
| | | 8.50 | 6.71 | 15.21 | ONE | 18.572 | 226.1 | 79.1 | 30.2 | | | | | | | | | | |
| 44260.0 | 46910.0 | 0.423 | 187.4 | -4.0 | -0.22 | 1.418 | 83.4 | 0.979 | 46.113 | 13.4 | 156.8 | 0.971D | 91.255A | 0.94 | 0.287 | 165.4 | 162.4 | -66.1 | 0.309 |
| | | 8.95 | 6.72 | 15.67 | ONE | 18.572 | 226.1 | 79.1 | 30.2 | | | | | | | | | | |
| 44270.0 | 46910.0 | 0.467 | 182.8 | -1.8 | -0.18 | 1.417 | 78.2 | 0.979 | 45.627 | 24.0 | 157.2 | 0.943D | 90.311A | 0.89 | 0.287 | 165.6 | 162.5 | -65.9 | 0.310 |
| | | 9.96 | 6.73 | 16.69 | ONE | 18.572 | 226.1 | 79.1 | 30.4 | | | | | | | | | | |
| 44280.0 | 46910.0 | 0.530 | 180.3 | -0.6 | -0.16 | 1.416 | 72.8 | 0.980 | 44.623 | 34.7 | 157.8 | 0.900D | 88.347A | 0.85 | 0.286 | 165.9 | 162.7 | -65.6 | 0.310 |
| | | 11.47 | 6.73 | 18.20 | ONE | 18.572 | 226.1 | 79.1 | 30.7 | | | | | | | | | | |
| 44290.0 | 46910.0 | 0.607 | 179.7 | -0.2 | -0.15 | 1.414 | 67.4 | 0.981 | 43.237 | 45.6 | 158.6 | 0.842D | 85.633A | 0.82 | 0.285 | 166.3 | 163.0 | -65.2 | 0.311 |
| | | 13.37 | 6.74 | 20.12 | ONE | 18.572 | 226.1 | 79.1 | 31.1 | | | | | | | | | | |
| ARRIVAL DATE = 2447010.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47010.0 | 0.600 | 208.3 | -10.8 | 0.34 | 1.411 | 112.3 | 0.970 | 28.422 | 314.7 | 520.3 | 0.843 | 56.001A | 0.45 | 0.262 | 165.2 | 163.7 | -64.1 | 0.291 |
| | | 13.20 | 6.41 | 19.61 | TWO | 18.505 | 221.9 | 78.3 | 33.5 | | | | | | | | | | |
| 44210.0 | 47010.0 | 0.535 | 209.6 | -10.6 | 0.56 | 1.412 | 107.7 | 0.970 | 29.573 | 324.0 | 519.5 | 0.893 | 58.252A | 0.22 | 0.265 | 164.9 | 163.1 | -64.6 | 0.292 |
| | | 11.59 | 6.43 | 18.01 | TWO | 18.505 | 221.9 | 78.3 | 32.9 | | | | | | | | | | |
| 44220.0 | 47010.0 | 0.479 | 209.9 | -7.3 | 1.61 | 1.414 | 103.0 | 0.969 | 30.594 | 333.6 | 518.9 | 0.934 | 60.255A | -0.84 | 0.267 | 164.7 | 162.2 | -65.0 | 0.293 |
| | | 10.23 | 6.44 | 16.67 | TWO | 18.505 | 221.9 | 78.3 | 32.5 | | | | | | | | | | |
| 44230.0 | 47010.0 | 0.434 | 203.2 | -15.8 | -1.76 | 1.415 | 98.2 | 0.969 | 31.429 | 343.3 | 518.4 | 0.963 | 61.895A | 2.51 | 0.269 | 164.5 | 163.9 | -65.5 | 0.293 |
| | | 9.19 | 6.45 | 15.64 | ONE | 18.505 | 221.9 | 78.3 | 32.2 | | | | | | | | | | |
| 44240.0 | 47010.0 | 0.405 | 199.3 | -10.3 | -0.57 | 1.415 | 93.4 | 0.969 | 32.025 | 353.2 | 518.1 | 0.980 | 63.069A | 1.31 | 0.270 | 164.5 | 163.0 | -65.6 | 0.294 |
| | | 8.54 | 6.45 | 14.99 | ONE | 18.505 | 221.9 | 78.3 | 31.9 | | | | | | | | | | |
| 44250.0 | 47010.0 | 0.400 | 193.1 | -7.0 | -0.35 | 1.415 | 88.4 | 0.970 | 32.344 | 3.3 | 158.0 | 0.983D | 63.705A | 1.07 | 0.270 | 164.5 | 162.8 | -65.7 | 0.294 |
| | | 8.43 | 6.46 | 14.89 | ONE | 18.505 | 221.9 | 78.3 | 31.9 | | | | | | | | | | |
| 44260.0 | 47010.0 | 0.421 | 187.0 | -4.0 | -0.26 | 1.415 | 83.3 | 0.970 | 32.373 | 13.6 | 158.2 | 0.970D | 63.776A | 0.97 | 0.271 | 164.6 | 162.8 | -65.6 | 0.295 |
| | | 8.89 | 6.47 | 15.36 | ONE | 18.505 | 221.9 | 78.3 | 31.9 | | | | | | | | | | |
| 44270.0 | 47010.0 | 0.465 | 182.5 | -1.8 | -0.21 | 1.414 | 78.1 | 0.971 | 32.123 | 24.1 | 158.5 | 0.943D | 63.304A | 0.90 | 0.270 | 164.8 | 162.9 | -65.4 | 0.295 |
| | | 9.90 | 6.47 | 16.38 | ONE | 18.505 | 221.9 | 78.3 | 32.1 | | | | | | | | | | |
| 44280.0 | 47010.0 | 0.528 | 180.1 | -0.5 | -0.18 | 1.413 | 72.8 | 0.972 | 31.630 | 34.8 | 159.1 | 0.900D | 62.360A | 0.86 | 0.269 | 165.1 | 163.1 | -65.1 | 0.295 |
| | | 11.40 | 6.48 | 17.88 | ONE | 18.505 | 221.9 | 78.3 | 32.4 | | | | | | | | | | |
| 44290.0 | 47010.0 | 0.603 | 179.6 | -0.2 | -0.16 | 1.411 | 67.5 | 0.973 | 30.946 | 45.7 | 159.9 | 0.841D | 61.050A | 0.83 | 0.268 | 165.5 | 163.4 | -64.7 | 0.296 |
| | | 13.29 | 6.49 | 19.78 | ONE | 18.505 | 221.9 | 78.3 | 32.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447110.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47110.0 | 0.597 | 208.3 | -10.8 | 0.37 | 1.408 | 112.2 | 0.964 | 23.345 | 314.7 | 521.5 | 0.844 | 45.845A | 0.43 | 0.247 | 164.3 | 164.1 | -63.5 | 0.278 |
| | | 13.12 | 6.20 | 19.32 | TWO | 20.015 | 218.3 | 77.4 | 35.2 | | | | | | | | | | |
| 44210.0 | 47110.0 | 0.532 | 209.6 | -10.5 | 0.57 | 1.410 | 107.6 | 0.963 | 24.052 | 324.1 | 520.7 | 0.894 | 47.211A | 0.21 | 0.250 | 164.0 | 163.6 | -64.1 | 0.279 |
| | | 11.50 | 6.21 | 17.71 | TWO | 20.015 | 218.3 | 77.4 | 34.7 | | | | | | | | | | |
| 44220.0 | 47110.0 | 0.475 | 209.7 | -7.6 | 1.46 | 1.411 | 102.9 | 0.962 | 24.668 | 333.6 | 520.1 | 0.934 | 48.401A | -0.69 | 0.252 | 163.8 | 162.7 | -64.4 | 0.279 |
| | | 10.15 | 6.22 | 16.37 | TWO | 20.015 | 218.3 | 77.4 | 34.2 | | | | | | | | | | |
| 44230.0 | 47110.0 | 0.432 | 202.1 | -18.2 | -2.55 | 1.412 | 98.2 | 0.962 | 25.160 | 343.4 | 519.7 | 0.963 | 49.356A | 3.30 | 0.253 | 163.6 | 164.8 | -65.1 | 0.280 |
| | | 9.15 | 6.23 | 15.38 | ONE | 20.015 | 218.3 | 77.4 | 33.9 | | | | | | | | | | |
| 44240.0 | 47110.0 | 0.402 | 199.0 | -10.6 | -0.69 | 1.412 | 93.3 | 0.962 | 25.503 | 353.3 | 519.4 | 0.980 | 50.026A | 1.42 | 0.254 | 163.5 | 163.5 | -65.1 | 0.280 |
| | | 8.47 | 6.23 | 14.70 | ONE | 20.015 | 218.3 | 77.4 | 33.7 | | | | | | | | | | |
| 44250.0 | 47110.0 | 0.397 | 192.8 | -7.1 | -0.40 | 1.412 | 88.3 | 0.962 | 25.680 | 3.4 | 159.3 | 0.983D | 50.377A | 1.12 | 0.255 | 163.6 | 163.3 | -65.2 | 0.281 |
| | | 8.37 | 6.24 | 14.61 | ONE | 20.015 | 218.3 | 77.4 | 33.6 | | | | | | | | | | |
| 44260.0 | 47110.0 | 0.418 | 186.8 | -4.0 | -0.29 | 1.412 | 83.3 | 0.962 | 25.684 | 13.7 | 159.5 | 0.970D | 50.398A | 1.00 | 0.255 | 163.7 | 163.3 | -65.1 | 0.281 |
| | | 8.84 | 6.24 | 15.08 | ONE | 20.015 | 218.3 | 77.4 | 33.6 | | | | | | | | | | |
| 44270.0 | 47110.0 | 0.462 | 182.3 | -1.8 | -0.23 | 1.411 | 78.1 | 0.963 | 25.524 | 24.2 | 159.8 | 0.943D | 50.105A | 0.92 | 0.255 | 163.9 | 163.4 | -64.9 | 0.281 |
| | | 9.84 | 6.25 | 16.09 | ONE | 20.015 | 218.3 | 77.4 | 33.8 | | | | | | | | | | |

1979
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 47110.0 | 0.525 | 180.0 | -0.5 | -0.20 | 1.410 | 72.9 | 0.964 | 25.218 | 34.9 | 160.3 | 0.900D | 49.536A | 0.87 | 0.254 | 164.2 | 163.6 | -64.6 | 0.282 |
| | | 11.33 | 6.26 | 17.59 | ONE | 20.015 | 218.3 | 77.4 | 34.2 | | | | | | | | | | |
| 44290.0 | 47110.0 | 0.600 | 179.5 | -0.2 | -0.18 | 1.408 | 67.5 | 0.966 | 24.795 | 45.8 | 161.1 | 0.842D | 48.747A | 0.83 | 0.252 | 164.6 | 163.9 | -64.2 | 0.283 |
| | | 13.21 | 6.27 | 19.47 | ONE | 20.015 | 218.3 | 77.4 | 34.6 | | | | | | | | | | |
| ARRIVAL DATE = 2447210.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47210.0 | 0.594 | 208.4 | -10.8 | 0.38 | 1.406 | 112.2 | 0.958 | 20.181 | 314.6 | 522.6 | 0.844 | 39.518A | 0.41 | 0.233 | 163.4 | 164.5 | -62.9 | 0.266 |
| | | 13.05 | 6.01 | 19.06 | TWO | 19.745 | 215.1 | 76.5 | 37.0 | | | | | | | | | | |
| 44210.0 | 47210.0 | 0.529 | 209.6 | -10.5 | 0.59 | 1.407 | 107.6 | 0.957 | 20.667 | 324.0 | 521.9 | 0.894 | 40.440A | 0.19 | 0.236 | 163.0 | 164.0 | -63.5 | 0.267 |
| | | 11.44 | 6.02 | 17.46 | TWO | 19.745 | 215.1 | 76.5 | 36.5 | | | | | | | | | | |
| 44220.0 | 47210.0 | 0.472 | 209.6 | -7.9 | 1.35 | 1.409 | 102.9 | 0.956 | 21.084 | 333.6 | 521.3 | 0.934 | 41.234A | -0.59 | 0.238 | 162.8 | 163.2 | -63.9 | 0.267 |
| | | 10.08 | 6.02 | 16.10 | TWO | 19.745 | 215.1 | 76.5 | 36.0 | | | | | | | | | | |
| 44230.0 | 47210.0 | 0.435 | 200.2 | -22.7 | -4.07 | 1.409 | 98.1 | 0.955 | 21.413 | 343.4 | 520.9 | 0.964 | 41.862A | 4.82 | 0.239 | 162.7 | 166.2 | -64.6 | 0.268 |
| | | 9.21 | 6.03 | 15.24 | ONE | 19.745 | 215.1 | 76.5 | 35.7 | | | | | | | | | | |
| 44240.0 | 47210.0 | 0.399 | 198.8 | -11.1 | -0.82 | 1.410 | 93.3 | 0.955 | 21.638 | 353.3 | 520.6 | 0.980 | 42.297A | 1.55 | 0.240 | 162.6 | 164.1 | -64.6 | 0.268 |
| | | 8.42 | 6.04 | 14.45 | ONE | 19.745 | 215.1 | 76.5 | 35.4 | | | | | | | | | | |
| 44250.0 | 47210.0 | 0.395 | 192.7 | -7.2 | -0.46 | 1.410 | 88.3 | 0.955 | 21.751 | 3.4 | 160.5 | 0.983D | 42.519A | 1.18 | 0.241 | 162.6 | 163.8 | -64.6 | 0.268 |
| | | 8.32 | 6.04 | 14.36 | ONE | 19.745 | 215.1 | 76.5 | 35.3 | | | | | | | | | | |
| 44260.0 | 47210.0 | 0.416 | 186.7 | -4.1 | -0.33 | 1.409 | 83.3 | 0.955 | 21.747 | 13.8 | 160.7 | 0.970D | 42.523A | 1.03 | 0.241 | 162.7 | 163.8 | -64.5 | 0.269 |
| | | 8.78 | 6.05 | 14.83 | ONE | 19.745 | 215.1 | 76.5 | 35.4 | | | | | | | | | | |
| 44270.0 | 47210.0 | 0.460 | 182.3 | -1.8 | -0.26 | 1.408 | 78.2 | 0.956 | 21.631 | 24.2 | 161.0 | 0.943D | 42.320A | 0.94 | 0.240 | 162.9 | 163.9 | -64.3 | 0.269 |
| | | 9.78 | 6.05 | 15.84 | ONE | 19.745 | 215.1 | 76.5 | 35.6 | | | | | | | | | | |
| 44280.0 | 47210.0 | 0.522 | 179.9 | -0.6 | -0.22 | 1.407 | 72.9 | 0.958 | 21.417 | 34.9 | 161.5 | 0.900D | 41.934A | 0.89 | 0.239 | 163.2 | 164.0 | -64.0 | 0.270 |
| | | 11.26 | 6.06 | 17.32 | ONE | 19.745 | 215.1 | 76.5 | 35.9 | | | | | | | | | | |
| 44290.0 | 47210.0 | 0.597 | 179.5 | -0.3 | -0.20 | 1.405 | 67.6 | 0.960 | 21.121 | 45.7 | 162.2 | 0.843D | 41.400A | 0.84 | 0.238 | 163.7 | 164.3 | -63.6 | 0.270 |
| | | 13.12 | 6.07 | 19.19 | ONE | 19.745 | 215.1 | 76.5 | 36.4 | | | | | | | | | | |
| ARRIVAL DATE = 2447310.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47310.0 | 0.592 | 208.5 | -10.8 | 0.40 | 1.403 | 112.2 | 0.953 | 18.032 | 314.5 | 523.6 | 0.844 | 35.219A | 0.40 | 0.220 | 162.4 | 165.0 | -62.3 | 0.255 |
| | | 13.01 | 5.84 | 18.85 | TWO | 18.332 | 212.4 | 75.5 | 38.9 | | | | | | | | | | |
| 44210.0 | 47310.0 | 0.527 | 209.7 | -10.5 | 0.60 | 1.405 | 107.6 | 0.951 | 18.391 | 324.0 | 522.9 | 0.894 | 35.887A | 0.18 | 0.222 | 162.0 | 164.5 | -62.8 | 0.256 |
| | | 11.39 | 5.85 | 17.24 | TWO | 18.332 | 212.4 | 75.5 | 38.3 | | | | | | | | | | |
| 44220.0 | 47310.0 | 0.470 | 209.6 | -8.2 | 1.27 | 1.406 | 102.9 | 0.950 | 18.696 | 333.6 | 522.4 | 0.934 | 36.457A | -0.51 | 0.224 | 161.8 | 163.7 | -63.2 | 0.256 |
| | | 10.03 | 5.85 | 15.88 | TWO | 18.332 | 212.4 | 75.5 | 37.8 | | | | | | | | | | |
| 44230.0 | 47310.0 | 0.456 | 195.2 | -34.4 | -8.12 | 1.407 | 98.1 | 0.949 | 18.934 | 343.4 | 522.0 | 0.964 | 36.904A | 8.87 | 0.226 | 161.6 | 169.2 | -64.1 | 0.257 |
| | | 9.71 | 5.87 | 15.57 | ONE | 18.332 | 212.4 | 75.5 | 37.7 | | | | | | | | | | |
| 44240.0 | 47310.0 | 0.397 | 198.6 | -11.6 | -0.97 | 1.408 | 93.3 | 0.949 | 19.095 | 353.3 | 521.7 | 0.980 | 37.210A | 1.70 | 0.227 | 161.6 | 164.7 | -64.0 | 0.257 |
| | | 8.37 | 5.86 | 14.23 | ONE | 18.332 | 212.4 | 75.5 | 37.2 | | | | | | | | | | |
| 44250.0 | 47310.0 | 0.392 | 192.6 | -7.5 | -0.53 | 1.408 | 88.3 | 0.949 | 19.173 | 3.4 | 161.7 | 0.983D | 37.363A | 1.24 | 0.227 | 161.6 | 164.3 | -64.0 | 0.257 |
| | | 8.27 | 5.87 | 14.14 | ONE | 18.332 | 212.4 | 75.5 | 37.1 | | | | | | | | | | |
| 44260.0 | 47310.0 | 0.413 | 186.6 | -4.2 | -0.37 | 1.407 | 83.3 | 0.949 | 19.166 | 13.7 | 161.8 | 0.970D | 37.361A | 1.06 | 0.227 | 161.7 | 164.3 | -63.9 | 0.257 |
| | | 8.73 | 5.87 | 14.60 | ONE | 18.332 | 212.4 | 75.5 | 37.2 | | | | | | | | | | |
| 44270.0 | 47310.0 | 0.457 | 182.3 | -1.9 | -0.29 | 1.406 | 78.2 | 0.951 | 19.077 | 24.2 | 162.1 | 0.943D | 37.211A | 0.96 | 0.227 | 161.9 | 164.3 | -63.7 | 0.258 |
| | | 9.72 | 5.88 | 15.60 | ONE | 18.332 | 212.4 | 75.5 | 37.4 | | | | | | | | | | |
| 44280.0 | 47310.0 | 0.519 | 180.0 | -0.7 | -0.25 | 1.405 | 73.0 | 0.952 | 18.915 | 34.8 | 162.6 | 0.901D | 36.930A | 0.90 | 0.226 | 162.2 | 164.5 | -63.4 | 0.258 |
| | | 11.19 | 5.88 | 17.07 | ONE | 18.332 | 212.4 | 75.5 | 37.8 | | | | | | | | | | |
| 44290.0 | 47310.0 | 0.593 | 179.6 | -0.3 | -0.22 | 1.403 | 67.8 | 0.955 | 18.692 | 45.6 | 163.3 | 0.844D | 36.541A | 0.85 | 0.224 | 162.7 | 164.8 | -62.9 | 0.259 |
| | | 13.03 | 5.90 | 18.92 | ONE | 18.332 | 212.4 | 75.5 | 38.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447410.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47410.0 | 0.591 | 208.7 | -10.8 | 0.42 | 1.402 | 112.2 | 0.949 | 16.485 | 314.4 | 524.6 | 0.843 | 32.126A | 0.38 | 0.207 | 161.3 | 165.4 | -61.6 | 0.245 |
| | | 12.98 | 5.69 | 18.67 | TWO | 19.023 | 210.0 | 74.5 | 40.8 | | | | | | | | | | |
| 44210.0 | 47410.0 | 0.526 | 209.9 | -10.5 | 0.61 | 1.403 | 107.6 | 0.947 | 16.764 | 323.8 | 524.0 | 0.893 | 32.634A | 0.17 | 0.210 | 161.0 | 164.9 | -62.2 | 0.246 |
| | | 11.36 | 5.69 | 17.06 | TWO | 19.023 | 210.0 | 74.5 | 40.2 | | | | | | | | | | |
| 44220.0 | 47410.0 | 0.469 | 209.7 | -8.4 | 1.21 | 1.404 | 102.9 | 0.945 | 16.999 | 333.5 | 523.4 | 0.934 | 33.064A | -0.45 | 0.212 | 160.7 | 164.2 | -62.6 | 0.246 |
| | | 9.99 | 5.70 | 15.69 | TWO | 19.023 | 210.0 | 74.5 | 39.7 | | | | | | | | | | |
| 44240.0 | 47410.0 | 0.396 | 198.5 | -12.3 | -1.16 | 1.406 | 93.3 | 0.943 | 17.304 | 353.2 | 522.8 | 0.980 | 33.627A | 1.89 | 0.214 | 160.5 | 165.3 | -63.3 | 0.246 |
| | | 8.34 | 5.70 | 14.04 | ONE | 19.023 | 210.0 | 74.5 | 39.1 | | | | | | | | | | |
| 44250.0 | 47410.0 | 0.390 | 192.6 | -7.8 | -0.60 | 1.406 | 88.4 | 0.943 | 17.361 | 3.3 | 162.8 | 0.983D | 33.740A | 1.30 | 0.215 | 160.5 | 164.9 | -63.4 | 0.247 |
| | | 8.23 | 5.71 | 13.94 | ONE | 19.023 | 210.0 | 74.5 | 39.0 | | | | | | | | | | |
| 44260.0 | 47410.0 | 0.411 | 186.7 | -4.4 | -0.41 | 1.405 | 83.4 | 0.944 | 17.353 | 13.6 | 162.9 | 0.971D | 33.736A | 1.10 | 0.215 | 160.6 | 164.8 | -63.3 | 0.247 |
| | | 8.68 | 5.71 | 14.39 | ONE | 19.023 | 210.0 | 74.5 | 39.1 | | | | | | | | | | |
| 44270.0 | 47410.0 | 0.454 | 182.3 | -2.1 | -0.32 | 1.404 | 78.3 | 0.945 | 17.282 | 24.1 | 163.2 | 0.943D | 33.620A | 0.99 | 0.214 | 160.8 | 164.8 | -63.1 | 0.247 |
| | | 9.66 | 5.72 | 15.38 | ONE | 19.023 | 210.0 | 74.5 | 39.3 | | | | | | | | | | |
| 44280.0 | 47410.0 | 0.516 | 180.1 | -0.8 | -0.27 | 1.403 | 73.1 | 0.947 | 17.153 | 34.7 | 163.6 | 0.901D | 33.405A | 0.91 | 0.213 | 161.2 | 165.0 | -62.7 | 0.248 |
| | | 11.11 | 5.73 | 16.84 | ONE | 19.023 | 210.0 | 74.5 | 39.6 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44290.0 | 47410.0 | 0.589 | 179.7 | -0.4 | -0.24 | 1.401 | 67.9 | 0.950 | 16.977 | 45.4 | 164.3 | 0.845D | 33.109A | 0.86 | 0.212 | 161.7 | 165.3 | -62.3 | 0.249 |
| | | 12.94 | 5.74 | 18.68 | ONE | 19.023 | 210.0 | 74.5 | 40.1 | | | | | | | | | | |
| ARRIVAL DATE = 2447510.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47510.0 | 0.591 | 208.9 | -10.8 | 0.43 | 1.400 | 112.2 | 0.945 | 15.325 | 314.2 | 525.6 | 0.842 | 29.807A | 0.37 | 0.196 | 160.2 | 165.9 | -60.8 | 0.236 |
| | | 12.97 | 5.56 | 18.53 | TWO | 20.283 | 207.9 | 73.5 | 42.7 | | | | | | | | | | |
| 44210.0 | 47510.0 | 0.525 | 210.1 | -10.6 | 0.62 | 1.402 | 107.6 | 0.943 | 15.550 | 323.6 | 524.9 | 0.893 | 30.206A | 0.16 | 0.198 | 159.9 | 165.4 | -61.4 | 0.236 |
| | | 11.34 | 5.56 | 16.90 | TWO | 20.283 | 207.9 | 73.5 | 42.1 | | | | | | | | | | |
| 44220.0 | 47510.0 | 0.468 | 209.9 | -8.6 | 1.17 | 1.403 | 102.9 | 0.941 | 15.739 | 333.3 | 524.4 | 0.934 | 30.543A | -0.40 | 0.200 | 159.6 | 164.7 | -61.9 | 0.236 |
| | | 9.97 | 5.56 | 15.53 | TWO | 20.283 | 207.9 | 73.5 | 41.6 | | | | | | | | | | |
| 44230.0 | 47510.0 | 0.503 | 222.3 | 25.4 | 13.31 | 1.404 | 98.2 | 0.939 | 15.884 | 343.1 | 524.1 | 0.963 | 30.805A | -12.57 | 0.202 | 159.4 | 157.7 | -60.7 | 0.238 |
| | | 10.82 | 5.59 | 16.40 | TWO | 20.283 | 207.9 | 73.5 | 41.6 | | | | | | | | | | |
| 44240.0 | 47510.0 | 0.394 | 198.4 | -13.2 | -1.40 | 1.404 | 93.3 | 0.939 | 15.981 | 353.1 | 523.8 | 0.980 | 30.982A | 2.12 | 0.203 | 159.4 | 165.9 | -62.7 | 0.237 |
| | | 8.31 | 5.57 | 13.88 | ONE | 20.283 | 207.9 | 73.5 | 41.0 | | | | | | | | | | |
| 44250.0 | 47510.0 | 0.389 | 192.7 | -8.1 | -0.68 | 1.404 | 88.4 | 0.939 | 16.026 | 3.2 | 163.8 | 0.983D | 31.069A | 1.38 | 0.203 | 159.4 | 165.4 | -62.7 | 0.237 |
| | | 8.19 | 5.57 | 13.76 | ONE | 20.283 | 207.9 | 73.5 | 40.9 | | | | | | | | | | |
| 44260.0 | 47510.0 | 0.409 | 186.8 | -4.6 | -0.46 | 1.404 | 83.5 | 0.939 | 16.018 | 13.5 | 163.9 | 0.971D | 31.064A | 1.14 | 0.203 | 159.5 | 165.3 | -62.6 | 0.237 |
| | | 8.63 | 5.57 | 14.21 | ONE | 20.283 | 207.9 | 73.5 | 40.9 | | | | | | | | | | |
| 44270.0 | 47510.0 | 0.452 | 182.5 | -2.2 | -0.35 | 1.403 | 78.4 | 0.941 | 15.958 | 23.9 | 164.2 | 0.944D | 30.972A | 1.01 | 0.202 | 159.7 | 165.3 | -62.4 | 0.238 |
| | | 9.60 | 5.58 | 15.18 | ONE | 20.283 | 207.9 | 73.5 | 41.1 | | | | | | | | | | |
| 44280.0 | 47510.0 | 0.512 | 180.2 | -0.9 | -0.29 | 1.401 | 73.3 | 0.943 | 15.853 | 34.5 | 164.6 | 0.902D | 30.803A | 0.93 | 0.201 | 160.1 | 165.5 | -62.0 | 0.238 |
| | | 11.03 | 5.59 | 16.62 | ONE | 20.283 | 207.9 | 73.5 | 41.5 | | | | | | | | | | |
| 44290.0 | 47510.0 | 0.586 | 179.9 | -0.6 | -0.26 | 1.400 | 68.1 | 0.946 | 15.708 | 45.2 | 165.2 | 0.847D | 30.569A | 0.87 | 0.200 | 160.6 | 165.7 | -61.6 | 0.239 |
| | | 12.84 | 5.60 | 18.44 | ONE | 20.283 | 207.9 | 73.5 | 42.0 | | | | | | | | | | |
| ARRIVAL DATE = 2447610.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47610.0 | 0.591 | 209.1 | -10.9 | 0.45 | 1.398 | 112.3 | 0.942 | 14.427 | 313.9 | 526.5 | 0.841 | 28.014A | 0.36 | 0.185 | 159.0 | 166.3 | -60.1 | 0.228 |
| | | 12.98 | 5.44 | 18.42 | TWO | 19.325 | 206.1 | 72.5 | 44.7 | | | | | | | | | | |
| 44210.0 | 47610.0 | 0.525 | 210.3 | -10.7 | 0.63 | 1.400 | 107.7 | 0.939 | 14.614 | 323.4 | 525.9 | 0.892 | 28.337A | 0.15 | 0.187 | 158.7 | 165.8 | -60.7 | 0.228 |
| | | 11.34 | 5.44 | 16.78 | TWO | 19.325 | 206.1 | 72.5 | 44.0 | | | | | | | | | | |
| 44220.0 | 47610.0 | 0.467 | 210.1 | -8.8 | 1.13 | 1.401 | 103.0 | 0.937 | 14.771 | 333.1 | 525.4 | 0.933 | 28.608A | -0.37 | 0.189 | 158.4 | 165.2 | -61.1 | 0.228 |
| | | 9.96 | 5.44 | 15.40 | TWO | 19.325 | 206.1 | 72.5 | 43.5 | | | | | | | | | | |
| 44230.0 | 47610.0 | 0.442 | 213.8 | 8.6 | 6.50 | 1.402 | 98.3 | 0.935 | 14.891 | 342.9 | 525.0 | 0.963 | 28.819A | -5.76 | 0.191 | 158.3 | 161.7 | -60.9 | 0.228 |
| | | 9.37 | 5.44 | 14.81 | TWO | 19.325 | 206.1 | 72.5 | 43.2 | | | | | | | | | | |
| 44240.0 | 47610.0 | 0.394 | 198.2 | -14.3 | -1.71 | 1.403 | 93.4 | 0.935 | 14.970 | 352.9 | 524.8 | 0.980 | 28.961A | 2.42 | 0.192 | 158.2 | 166.6 | -62.0 | 0.228 |
| | | 8.30 | 5.44 | 13.74 | ONE | 19.325 | 206.1 | 72.5 | 42.9 | | | | | | | | | | |
| 44250.0 | 47610.0 | 0.387 | 192.9 | -8.5 | -0.76 | 1.403 | 88.5 | 0.935 | 15.006 | 3.0 | 164.8 | 0.983D | 29.030A | 1.46 | 0.192 | 158.2 | 165.9 | -62.0 | 0.228 |
| | | 8.16 | 5.45 | 13.60 | ONE | 19.325 | 206.1 | 72.5 | 42.8 | | | | | | | | | | |
| 44260.0 | 47610.0 | 0.407 | 187.0 | -4.9 | -0.50 | 1.402 | 83.6 | 0.935 | 14.998 | 13.3 | 164.9 | 0.971D | 29.025A | 1.18 | 0.192 | 158.3 | 165.8 | -61.9 | 0.229 |
| | | 8.58 | 5.45 | 14.03 | ONE | 19.325 | 206.1 | 72.5 | 42.8 | | | | | | | | | | |
| 44270.0 | 47610.0 | 0.449 | 182.7 | -2.4 | -0.38 | 1.401 | 78.5 | 0.937 | 14.948 | 23.7 | 165.1 | 0.945D | 28.951A | 1.04 | 0.191 | 158.5 | 165.8 | -61.7 | 0.229 |
| | | 9.54 | 5.46 | 15.00 | ONE | 19.325 | 206.1 | 72.5 | 43.0 | | | | | | | | | | |
| 44280.0 | 47610.0 | 0.509 | 180.4 | -1.1 | -0.32 | 1.400 | 73.4 | 0.939 | 14.859 | 34.3 | 165.5 | 0.904D | 28.814A | 0.95 | 0.190 | 158.9 | 165.9 | -61.3 | 0.230 |
| | | 10.95 | 5.46 | 16.42 | ONE | 19.325 | 206.1 | 72.5 | 43.4 | | | | | | | | | | |
| 44290.0 | 47610.0 | 0.582 | 180.1 | -0.7 | -0.28 | 1.398 | 68.2 | 0.942 | 14.737 | 44.9 | 166.1 | 0.849D | 28.625A | 0.88 | 0.189 | 159.4 | 166.2 | -60.8 | 0.231 |
| | | 12.74 | 5.48 | 18.22 | ONE | 19.325 | 206.1 | 72.5 | 43.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447710.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47710.0 | 0.592 | 209.4 | -11.0 | 0.46 | 1.397 | 112.4 | 0.939 | 13.717 | 313.6 | 527.3 | 0.839 | 26.595A | 0.35 | 0.175 | 157.8 | 166.8 | -59.2 | 0.220 |
| | | 12.99 | 5.33 | 18.33 | TWO | 18.336 | 204.4 | 71.5 | 46.7 | | | | | | | | | | |
| 44210.0 | 47710.0 | 0.525 | 210.6 | -10.7 | 0.64 | 1.399 | 107.8 | 0.936 | 13.876 | 323.2 | 526.7 | 0.891 | 26.861A | 0.15 | 0.177 | 157.4 | 166.3 | -59.9 | 0.220 |
| | | 11.35 | 5.33 | 16.68 | TWO | 18.336 | 204.4 | 71.5 | 46.0 | | | | | | | | | | |
| 44220.0 | 47710.0 | 0.467 | 210.4 | -9.0 | 1.10 | 1.400 | 103.1 | 0.933 | 14.008 | 332.8 | 526.3 | 0.932 | 27.085A | -0.34 | 0.179 | 157.2 | 165.7 | -60.4 | 0.220 |
| | | 9.96 | 5.33 | 15.29 | TWO | 18.336 | 204.4 | 71.5 | 45.4 | | | | | | | | | | |
| 44230.0 | 47710.0 | 0.430 | 211.6 | 2.7 | 4.47 | 1.401 | 98.4 | 0.932 | 14.110 | 342.7 | 525.9 | 0.962 | 27.258A | -3.73 | 0.180 | 157.0 | 163.4 | -60.4 | 0.220 |
| | | 9.11 | 5.33 | 14.44 | TWO | 18.336 | 204.4 | 71.5 | 45.1 | | | | | | | | | | |
| 44240.0 | 47710.0 | 0.394 | 198.0 | -15.8 | -2.11 | 1.401 | 93.5 | 0.931 | 14.177 | 352.7 | 525.7 | 0.979 | 27.375A | 2.82 | 0.181 | 156.9 | 167.3 | -61.3 | 0.220 |
| | | 8.30 | 5.33 | 13.63 | ONE | 18.336 | 204.4 | 71.5 | 44.8 | | | | | | | | | | |
| 44250.0 | 47710.0 | 0.386 | 193.1 | -9.0 | -0.86 | 1.401 | 88.6 | 0.931 | 14.207 | 2.8 | 165.7 | 0.983D | 27.431A | 1.56 | 0.182 | 156.9 | 166.5 | -61.3 | 0.220 |
| | | 8.13 | 5.33 | 13.46 | ONE | 18.336 | 204.4 | 71.5 | 44.7 | | | | | | | | | | |
| 44260.0 | 47710.0 | 0.405 | 187.3 | -5.2 | -0.56 | 1.401 | 83.7 | 0.932 | 14.200 | 13.1 | 165.8 | 0.972D | 27.428A | 1.22 | 0.182 | 157.0 | 166.3 | -61.2 | 0.221 |
| | | 8.54 | 5.34 | 13.88 | ONE | 18.336 | 204.4 | 71.5 | 44.8 | | | | | | | | | | |
| 44270.0 | 47710.0 | 0.446 | 182.9 | -2.7 | -0.42 | 1.400 | 78.7 | 0.933 | 14.156 | 23.5 | 166.0 | 0.946D | 27.367A | 1.06 | 0.181 | 157.3 | 166.3 | -60.9 | 0.221 |
| | | 9.48 | 5.35 | 14.82 | ONE | 18.336 | 204.4 | 71.5 | 45.0 | | | | | | | | | | |
| 44280.0 | 47710.0 | 0.506 | 180.7 | -1.3 | -0.34 | 1.398 | 73.6 | 0.936 | 14.080 | 34.0 | 166.4 | 0.905D | 27.254A | 0.96 | 0.180 | 157.6 | 166.4 | -60.6 | 0.222 |
| | | 10.87 | 5.35 | 16.23 | ONE | 18.336 | 204.4 | 71.5 | 45.3 | | | | | | | | | | |

1979
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44290.0 | 47710.0 | 0.578 | 180.3 | -0.9 | -0.30 | 1.397 | 68.4 | 0.939 | 13.975 | 44.6 | 166.9 | 0.851D | 27.099A | 0.89 | 0.178 | 158.2 | 166.6 | -60.1 | 0.223 |
| | | 12.64 | 5.37 | 18.01 | ONE | 18.336 | 204.4 | 71.5 | 45.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447810.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47810.0 | 0.593 | 209.7 | -11.0 | 0.47 | 1.396 | 112.6 | 0.936 | 13.144 | 313.3 | 528.1 | 0.837 | 25.451A | 0.34 | 0.165 | 156.5 | 167.2 | -58.4 | 0.213 |
| | | 13.02 | 5.24 | 18.26 | TWO | 19.604 | 202.9 | 70.4 | 48.7 | | | | | | | | | | |
| 44210.0 | 47810.0 | 0.526 | 211.0 | -10.8 | 0.64 | 1.398 | 107.9 | 0.933 | 13.282 | 322.8 | 527.6 | 0.889 | 25.674A | 0.14 | 0.167 | 156.1 | 166.7 | -59.1 | 0.213 |
| | | 11.37 | 5.24 | 16.60 | TWO | 19.604 | 202.9 | 70.4 | 48.0 | | | | | | | | | | |
| 44220.0 | 47810.0 | 0.468 | 210.7 | -9.2 | 1.07 | 1.399 | 103.2 | 0.930 | 13.396 | 332.6 | 527.1 | 0.931 | 25.862A | -0.31 | 0.169 | 155.9 | 166.2 | -59.6 | 0.213 |
| | | 9.97 | 5.23 | 15.20 | TWO | 19.604 | 202.9 | 70.4 | 47.4 | | | | | | | | | | |
| 44230.0 | 47810.0 | 0.426 | 210.8 | -0.4 | 3.50 | 1.400 | 98.5 | 0.929 | 13.484 | 342.4 | 526.8 | 0.961 | 26.007A | -2.76 | 0.171 | 155.7 | 164.4 | -59.7 | 0.213 |
| | | 9.02 | 5.23 | 14.25 | TWO | 19.604 | 202.9 | 70.4 | 47.0 | | | | | | | | | | |
| 44240.0 | 47810.0 | 0.394 | 197.7 | -17.8 | -2.67 | 1.400 | 93.7 | 0.928 | 13.542 | 352.4 | 526.6 | 0.979 | 26.104A | 3.38 | 0.172 | 155.6 | 168.2 | -60.5 | 0.213 |
| | | 8.32 | 5.24 | 13.55 | ONE | 19.604 | 202.9 | 70.4 | 46.8 | | | | | | | | | | |
| 44250.0 | 47810.0 | 0.384 | 193.4 | -9.6 | -0.98 | 1.400 | 88.8 | 0.928 | 13.568 | 2.5 | 166.6 | 0.983D | 26.152A | 1.67 | 0.172 | 155.6 | 167.0 | -60.5 | 0.213 |
| | | 8.10 | 5.24 | 13.34 | ONE | 19.604 | 202.9 | 70.4 | 46.7 | | | | | | | | | | |
| 44260.0 | 47810.0 | 0.403 | 187.6 | -5.6 | -0.61 | 1.400 | 83.8 | 0.928 | 13.561 | 12.8 | 166.6 | 0.972D | 26.150A | 1.27 | 0.172 | 155.7 | 166.8 | -60.4 | 0.213 |
| | | 8.49 | 5.24 | 13.73 | ONE | 19.604 | 202.9 | 70.4 | 46.7 | | | | | | | | | | |
| 44270.0 | 47810.0 | 0.444 | 183.3 | -2.9 | -0.45 | 1.399 | 78.8 | 0.930 | 13.523 | 23.2 | 166.9 | 0.947D | 26.099A | 1.09 | 0.171 | 155.9 | 166.8 | -60.2 | 0.214 |
| | | 9.41 | 5.25 | 14.66 | ONE | 19.604 | 202.9 | 70.4 | 46.9 | | | | | | | | | | |
| 44280.0 | 47810.0 | 0.502 | 180.9 | -1.5 | -0.37 | 1.397 | 73.8 | 0.933 | 13.456 | 33.7 | 167.2 | 0.907D | 26.005A | 0.98 | 0.170 | 156.3 | 166.9 | -59.8 | 0.214 |
| | | 10.79 | 5.26 | 16.05 | ONE | 19.604 | 202.9 | 70.4 | 47.3 | | | | | | | | | | |
| 44290.0 | 47810.0 | 0.574 | 180.6 | -1.0 | -0.32 | 1.396 | 68.6 | 0.936 | 13.364 | 44.3 | 167.7 | 0.853D | 25.875A | 0.90 | 0.169 | 156.8 | 167.1 | -59.3 | 0.215 |
| | | 12.54 | 5.27 | 17.81 | ONE | 19.604 | 202.9 | 70.4 | 47.8 | | | | | | | | | | |
| ARRIVAL DATE = 2447910.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 47910.0 | 0.594 | 210.0 | -11.1 | 0.48 | 1.395 | 112.7 | 0.934 | 12.675 | 312.9 | 528.9 | 0.835 | 24.516A | 0.33 | 0.156 | 155.1 | 167.6 | -57.6 | 0.207 |
| | | 13.06 | 5.16 | 18.22 | TWO | 20.294 | 201.6 | 69.4 | 50.7 | | | | | | | | | | |
| 44210.0 | 47910.0 | 0.527 | 211.3 | -11.0 | 0.65 | 1.397 | 108.1 | 0.931 | 12.797 | 322.5 | 528.4 | 0.888 | 24.705A | 0.13 | 0.158 | 154.7 | 167.2 | -58.2 | 0.206 |
| | | 11.40 | 5.15 | 16.55 | TWO | 20.294 | 201.6 | 69.4 | 50.0 | | | | | | | | | | |
| 44220.0 | 47910.0 | 0.468 | 211.1 | -9.4 | 1.05 | 1.398 | 103.4 | 0.928 | 12.897 | 332.2 | 528.0 | 0.930 | 24.865A | -0.29 | 0.160 | 154.5 | 166.6 | -58.7 | 0.206 |
| | | 9.98 | 5.15 | 15.13 | TWO | 20.294 | 201.6 | 69.4 | 49.4 | | | | | | | | | | |
| 44230.0 | 47910.0 | 0.425 | 210.5 | -2.2 | 2.93 | 1.399 | 98.6 | 0.926 | 12.974 | 342.1 | 527.7 | 0.961 | 24.988A | -2.19 | 0.162 | 154.3 | 165.2 | -59.0 | 0.206 |
| | | 8.98 | 5.15 | 14.13 | TWO | 20.294 | 201.6 | 69.4 | 49.0 | | | | | | | | | | |
| 44240.0 | 47910.0 | 0.397 | 197.1 | -20.7 | -3.51 | 1.399 | 93.8 | 0.925 | 13.025 | 352.1 | 527.5 | 0.979 | 25.071A | 4.22 | 0.163 | 154.2 | 169.2 | -59.8 | 0.206 |
| | | 8.37 | 5.15 | 13.52 | ONE | 20.294 | 201.6 | 69.4 | 48.8 | | | | | | | | | | |
| 44250.0 | 47910.0 | 0.383 | 193.7 | -10.3 | -1.11 | 1.399 | 88.9 | 0.925 | 13.047 | 2.2 | 167.4 | 0.983D | 25.112A | 1.79 | 0.163 | 154.2 | 167.6 | -59.7 | 0.206 |
| | | 8.08 | 5.15 | 13.23 | ONE | 20.294 | 201.6 | 69.4 | 48.6 | | | | | | | | | | |
| 44260.0 | 47910.0 | 0.401 | 188.0 | -6.0 | -0.67 | 1.398 | 84.0 | 0.925 | 13.042 | 12.5 | 167.5 | 0.973D | 25.110A | 1.33 | 0.163 | 154.3 | 167.3 | -59.6 | 0.207 |
| | | 8.45 | 5.15 | 13.60 | ONE | 20.294 | 201.6 | 69.4 | 48.7 | | | | | | | | | | |
| 44270.0 | 47910.0 | 0.441 | 183.6 | -3.2 | -0.49 | 1.398 | 79.0 | 0.927 | 13.008 | 22.8 | 167.7 | 0.948D | 25.068A | 1.12 | 0.162 | 154.5 | 167.2 | -59.4 | 0.207 |
| | | 9.35 | 5.16 | 14.51 | ONE | 20.294 | 201.6 | 69.4 | 48.9 | | | | | | | | | | |
| 44280.0 | 47910.0 | 0.499 | 181.3 | -1.7 | -0.40 | 1.396 | 74.0 | 0.930 | 12.949 | 33.3 | 168.0 | 0.909D | 24.989A | 1.00 | 0.161 | 154.9 | 167.3 | -59.0 | 0.208 |
| | | 10.71 | 5.17 | 15.88 | ONE | 20.294 | 201.6 | 69.4 | 49.3 | | | | | | | | | | |
| 44290.0 | 47910.0 | 0.570 | 180.9 | -1.2 | -0.34 | 1.395 | 68.9 | 0.934 | 12.867 | 43.9 | 168.5 | 0.856D | 24.879A | 0.91 | 0.160 | 155.4 | 167.5 | -58.5 | 0.209 |
| | | 12.44 | 5.18 | 17.62 | ONE | 20.294 | 201.6 | 69.4 | 49.8 | | | | | | | | | | |
| 44300.0 | 47910.0 | 0.649 | 182.0 | -1.5 | -0.31 | 1.393 | 63.7 | 0.938 | 12.768 | 54.5 | 169.0 | 0.790D | 24.746A | 0.85 | 0.158 | 156.1 | 167.8 | -57.9 | 0.210 |
| | | 14.45 | 5.20 | 19.65 | ONE | 20.294 | 201.6 | 69.4 | 50.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448010.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48010.0 | 0.596 | 210.4 | -11.2 | 0.49 | 1.394 | 112.9 | 0.932 | 12.287 | 312.5 | 529.6 | 0.833 | 23.742A | 0.32 | 0.147 | 153.7 | 168.0 | -56.7 | 0.201 |
| | | 13.11 | 5.08 | 18.19 | TWO | 18.899 | 200.4 | 68.3 | 52.8 | | | | | | | | | | |
| 44210.0 | 48010.0 | 0.529 | 211.7 | -11.1 | 0.66 | 1.396 | 108.2 | 0.929 | 12.395 | 322.1 | 529.1 | 0.886 | 23.905A | 0.13 | 0.150 | 153.3 | 167.6 | -57.4 | 0.201 |
| | | 11.43 | 5.08 | 16.51 | TWO | 18.899 | 200.4 | 68.3 | 52.0 | | | | | | | | | | |
| 44220.0 | 48010.0 | 0.469 | 211.5 | -9.6 | 1.03 | 1.397 | 103.5 | 0.926 | 12.485 | 331.9 | 528.7 | 0.929 | 24.042A | -0.27 | 0.152 | 153.0 | 167.1 | -57.9 | 0.200 |
| | | 10.01 | 5.07 | 15.08 | TWO | 18.899 | 200.4 | 68.3 | 51.5 | | | | | | | | | | |
| 44230.0 | 48010.0 | 0.424 | 210.6 | -3.6 | 2.55 | 1.398 | 98.8 | 0.924 | 12.554 | 341.7 | 528.4 | 0.960 | 24.148A | -1.82 | 0.153 | 152.8 | 165.9 | -58.2 | 0.200 |
| | | 8.97 | 5.07 | 14.04 | TWO | 18.899 | 200.4 | 68.3 | 51.0 | | | | | | | | | | |
| 44240.0 | 48010.0 | 0.403 | 195.7 | -25.3 | -4.89 | 1.398 | 94.0 | 0.922 | 12.599 | 351.8 | 528.3 | 0.978 | 24.219A | 5.60 | 0.154 | 152.7 | 170.6 | -59.0 | 0.200 |
| | | 8.50 | 5.07 | 13.57 | ONE | 18.899 | 200.4 | 68.3 | 50.8 | | | | | | | | | | |
| 44250.0 | 48010.0 | 0.383 | 194.1 | -11.0 | -1.26 | 1.398 | 89.1 | 0.922 | 12.619 | 1.9 | 168.2 | 0.983D | 24.255A | 1.94 | 0.154 | 152.7 | 168.1 | -58.9 | 0.200 |
| | | 8.06 | 5.07 | 13.13 | ONE | 18.899 | 200.4 | 68.3 | 50.6 | | | | | | | | | | |
| 44260.0 | 48010.0 | 0.399 | 188.5 | -6.5 | -0.74 | 1.398 | 84.2 | 0.923 | 12.614 | 12.1 | 168.3 | 0.974D | 24.254A | 1.39 | 0.154 | 152.8 | 167.8 | -58.8 | 0.200 |
| | | 8.41 | 5.07 | 13.48 | ONE | 18.899 | 200.4 | 68.3 | 50.7 | | | | | | | | | | |
| 44270.0 | 48010.0 | 0.438 | 184.1 | -3.6 | -0.53 | 1.397 | 79.2 | 0.925 | 12.584 | 22.5 | 168.4 | 0.949D | 24.219A | 1.15 | 0.154 | 153.0 | 167.7 | -58.6 | 0.201 |
| | | 9.29 | 5.08 | 14.37 | ONE | 18.899 | 200.4 | 68.3 | 50.9 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 48010.0 | 0.495 | 181.7 | -2.0 | -0.43 | 1.395 | 74.2 | 0.927 | 12.531 | 32.9 | 168.8 | 0.911D | 24.152A | 1.02 | 0.153 | 153.4 | 167.8 | -58.2 | 0.202 |
| | | 10.62 | 5.09 | 15.71 | ONE | 18.899 | 200.4 | 68.3 | 51.3 | | | | | | | | | | |
| 44290.0 | 48010.0 | 0.565 | 181.2 | -1.5 | -0.37 | 1.394 | 69.1 | 0.931 | 12.458 | 43.4 | 169.2 | 0.858D | 24.058A | 0.93 | 0.151 | 153.9 | 167.9 | -57.7 | 0.203 |
| | | 12.33 | 5.10 | 17.43 | ONE | 18.899 | 200.4 | 68.3 | 51.8 | | | | | | | | | | |
| 44300.0 | 48010.0 | 0.644 | 182.3 | -1.7 | -0.33 | 1.392 | 63.9 | 0.936 | 12.369 | 54.0 | 169.7 | 0.793D | 23.944A | 0.86 | 0.149 | 154.6 | 168.2 | -57.1 | 0.204 |
| | | 14.33 | 5.12 | 19.45 | ONE | 18.899 | 200.4 | 68.3 | 52.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448110.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48110.0 | 0.599 | 210.7 | -11.4 | 0.50 | 1.393 | 113.1 | 0.931 | 11.963 | 312.0 | 530.4 | 0.830 | 23.096A | 0.31 | 0.139 | 152.1 | 168.4 | -55.8 | 0.196 |
| | | 13.17 | 5.02 | 18.19 | TWO | 18.602 | 199.3 | 67.2 | 54.8 | | | | | | | | | | |
| 44210.0 | 48110.0 | 0.531 | 212.1 | -11.2 | 0.66 | 1.395 | 108.4 | 0.927 | 12.060 | 321.7 | 529.9 | 0.884 | 23.237A | 0.12 | 0.142 | 151.7 | 168.0 | -56.5 | 0.195 |
| | | 11.48 | 5.01 | 16.49 | TWO | 18.602 | 199.3 | 67.2 | 54.1 | | | | | | | | | | |
| 44220.0 | 48110.0 | 0.471 | 212.0 | -9.8 | 1.01 | 1.396 | 103.7 | 0.924 | 12.141 | 331.5 | 529.5 | 0.927 | 23.355A | -0.25 | 0.144 | 151.4 | 167.5 | -57.0 | 0.193 |
| | | 10.04 | 5.00 | 15.04 | TWO | 18.602 | 199.3 | 67.2 | 53.5 | | | | | | | | | | |
| 44230.0 | 48110.0 | 0.424 | 210.8 | -4.6 | 2.28 | 1.397 | 98.9 | 0.921 | 12.203 | 341.3 | 529.2 | 0.959 | 23.447A | -1.56 | 0.145 | 151.2 | 166.5 | -57.3 | 0.194 |
| | | 8.97 | 5.00 | 13.97 | TWO | 18.602 | 199.3 | 67.2 | 53.1 | | | | | | | | | | |
| 44240.0 | 48110.0 | 0.421 | 192.3 | -33.7 | -7.61 | 1.397 | 94.1 | 0.920 | 12.244 | 351.4 | 529.0 | 0.978 | 23.510A | 8.31 | 0.146 | 151.1 | 172.9 | -58.3 | 0.195 |
| | | 8.89 | 5.01 | 13.90 | ONE | 18.602 | 199.3 | 67.2 | 53.0 | | | | | | | | | | |
| 44250.0 | 48110.0 | 0.382 | 194.4 | -11.9 | -1.44 | 1.397 | 89.3 | 0.920 | 12.262 | 1.5 | 169.0 | 0.983D | 23.541A | 2.11 | 0.146 | 151.1 | 168.7 | -58.1 | 0.194 |
| | | 8.04 | 5.00 | 13.04 | ONE | 18.602 | 199.3 | 67.2 | 52.7 | | | | | | | | | | |
| 44260.0 | 48110.0 | 0.397 | 189.0 | -6.9 | -0.81 | 1.397 | 84.4 | 0.921 | 12.258 | 11.7 | 169.0 | 0.974D | 23.541A | 1.45 | 0.146 | 151.2 | 168.2 | -58.0 | 0.195 |
| | | 8.37 | 5.00 | 13.37 | ONE | 18.602 | 199.3 | 67.2 | 52.7 | | | | | | | | | | |
| 44270.0 | 48110.0 | 0.435 | 184.5 | -3.9 | -0.58 | 1.396 | 79.4 | 0.922 | 12.231 | 22.1 | 169.2 | 0.951D | 23.511A | 1.19 | 0.146 | 151.5 | 168.1 | -57.7 | 0.195 |
| | | 9.22 | 5.01 | 14.23 | ONE | 18.602 | 199.3 | 67.2 | 52.9 | | | | | | | | | | |
| 44280.0 | 48110.0 | 0.492 | 182.1 | -2.3 | -0.46 | 1.395 | 74.4 | 0.925 | 12.183 | 32.5 | 169.5 | 0.913D | 23.454A | 1.04 | 0.145 | 151.8 | 168.2 | -57.4 | 0.196 |
| | | 10.54 | 5.02 | 15.56 | ONE | 18.602 | 199.3 | 67.2 | 53.3 | | | | | | | | | | |
| 44290.0 | 48110.0 | 0.561 | 181.6 | -1.7 | -0.39 | 1.393 | 69.3 | 0.929 | 12.118 | 43.0 | 169.9 | 0.861D | 23.374A | 0.94 | 0.143 | 152.4 | 168.3 | -56.9 | 0.197 |
| | | 12.23 | 5.03 | 17.26 | ONE | 18.602 | 199.3 | 67.2 | 53.8 | | | | | | | | | | |
| 44300.0 | 48110.0 | 0.639 | 182.7 | -1.9 | -0.35 | 1.391 | 64.2 | 0.934 | 12.036 | 53.5 | 170.4 | 0.797D | 23.276A | 0.87 | 0.141 | 153.1 | 168.6 | -56.3 | 0.199 |
| | | 14.20 | 5.05 | 19.25 | ONE | 18.602 | 199.3 | 67.2 | 54.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448210.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48210.0 | 0.601 | 211.1 | -11.5 | 0.51 | 1.393 | 113.3 | 0.929 | 11.690 | 311.6 | 531.0 | 0.828 | 22.552A | 0.30 | 0.132 | 150.4 | 168.8 | -54.9 | 0.191 |
| | | 13.24 | 4.96 | 18.19 | TWO | 20.118 | 198.3 | 66.2 | 56.9 | | | | | | | | | | |
| 44210.0 | 48210.0 | 0.533 | 212.6 | -11.4 | 0.67 | 1.394 | 108.6 | 0.925 | 11.778 | 321.3 | 530.6 | 0.882 | 22.675A | 0.12 | 0.134 | 150.0 | 168.4 | -55.6 | 0.190 |
| | | 11.53 | 4.95 | 16.48 | TWO | 20.118 | 198.3 | 66.2 | 56.1 | | | | | | | | | | |
| 44220.0 | 48210.0 | 0.472 | 212.4 | -10.1 | 0.99 | 1.395 | 103.9 | 0.922 | 11.852 | 331.0 | 530.2 | 0.925 | 22.779A | -0.24 | 0.136 | 149.7 | 167.9 | -56.2 | 0.190 |
| | | 10.08 | 4.94 | 15.02 | TWO | 20.118 | 198.3 | 66.2 | 55.5 | | | | | | | | | | |
| 44230.0 | 48210.0 | 0.425 | 211.1 | -5.4 | 2.09 | 1.396 | 99.1 | 0.920 | 11.909 | 340.9 | 529.9 | 0.958 | 22.859A | -1.36 | 0.138 | 149.5 | 167.0 | -56.5 | 0.189 |
| | | 8.99 | 4.94 | 13.92 | TWO | 20.118 | 198.3 | 66.2 | 55.1 | | | | | | | | | | |
| 44240.0 | 48210.0 | 0.502 | 180.0 | -52.8 | -15.27 | 1.397 | 94.3 | 0.918 | 11.946 | 351.0 | 529.8 | 0.977 | 22.914A | 15.97 | 0.139 | 149.4 | 178.4 | -57.5 | 0.192 |
| | | 10.78 | 4.98 | 15.76 | ONE | 20.118 | 198.3 | 66.2 | 55.5 | | | | | | | | | | |
| 44250.0 | 48210.0 | 0.381 | 194.8 | -12.9 | -1.65 | 1.396 | 89.5 | 0.918 | 11.963 | 1.1 | 169.7 | 0.983D | 22.942A | 2.32 | 0.139 | 149.4 | 169.2 | -57.2 | 0.189 |
| | | 8.03 | 4.94 | 12.97 | ONE | 20.118 | 198.3 | 66.2 | 54.7 | | | | | | | | | | |
| 44260.0 | 48210.0 | 0.395 | 189.5 | -7.5 | -0.89 | 1.396 | 84.6 | 0.918 | 11.959 | 11.3 | 169.7 | 0.975D | 22.943A | 1.53 | 0.139 | 149.6 | 168.7 | -57.1 | 0.190 |
| | | 8.33 | 4.94 | 13.27 | ONE | 20.118 | 198.3 | 66.2 | 54.7 | | | | | | | | | | |
| 44270.0 | 48210.0 | 0.432 | 185.0 | -4.3 | -0.62 | 1.395 | 79.6 | 0.920 | 11.935 | 21.6 | 169.9 | 0.952D | 22.918A | 1.23 | 0.138 | 149.8 | 168.6 | -56.9 | 0.190 |
| | | 9.16 | 4.95 | 14.10 | ONE | 20.118 | 198.3 | 66.2 | 54.9 | | | | | | | | | | |
| 44280.0 | 48210.0 | 0.488 | 182.5 | -2.6 | -0.49 | 1.394 | 74.6 | 0.923 | 11.892 | 32.0 | 170.2 | 0.915D | 22.869A | 1.06 | 0.137 | 150.2 | 168.6 | -56.6 | 0.191 |
| | | 10.45 | 4.96 | 15.41 | ONE | 20.118 | 198.3 | 66.2 | 55.3 | | | | | | | | | | |
| 44290.0 | 48210.0 | 0.557 | 182.0 | -1.9 | -0.41 | 1.392 | 69.6 | 0.927 | 11.832 | 42.5 | 170.5 | 0.864D | 22.800A | 0.96 | 0.136 | 150.7 | 168.7 | -56.1 | 0.192 |
| | | 12.12 | 4.97 | 17.09 | ONE | 20.118 | 198.3 | 66.2 | 55.8 | | | | | | | | | | |
| 44300.0 | 48210.0 | 0.634 | 183.0 | -2.1 | -0.37 | 1.390 | 64.5 | 0.932 | 11.758 | 53.0 | 171.0 | 0.801D | 22.715A | 0.87 | 0.134 | 151.4 | 168.9 | -55.4 | 0.193 |
| | | 14.07 | 4.99 | 19.06 | ONE | 20.118 | 198.3 | 66.2 | 56.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448310.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48310.0 | 0.604 | 211.5 | -11.6 | 0.52 | 1.392 | 113.5 | 0.928 | 11.458 | 311.1 | 531.7 | 0.825 | 22.092A | 0.30 | 0.125 | 148.7 | 169.2 | -54.0 | 0.187 |
| | | 13.31 | 4.91 | 18.22 | TWO | 20.062 | 197.4 | 65.1 | 59.0 | | | | | | | | | | |
| 44210.0 | 48310.0 | 0.536 | 213.0 | -11.5 | 0.67 | 1.394 | 108.8 | 0.924 | 11.540 | 320.8 | 531.2 | 0.879 | 22.200A | 0.12 | 0.127 | 148.3 | 168.8 | -54.7 | 0.186 |
| | | 11.60 | 4.90 | 16.49 | TWO | 20.062 | 197.4 | 65.1 | 58.2 | | | | | | | | | | |
| 44220.0 | 48310.0 | 0.474 | 213.0 | -10.3 | 0.98 | 1.395 | 104.1 | 0.920 | 11.607 | 330.6 | 530.9 | 0.924 | 22.291A | -0.22 | 0.129 | 148.0 | 168.3 | -55.3 | 0.185 |
| | | 10.13 | 4.89 | 15.02 | TWO | 20.062 | 197.4 | 65.1 | 57.6 | | | | | | | | | | |
| 44230.0 | 48310.0 | 0.426 | 211.6 | -6.1 | 1.93 | 1.396 | 99.3 | 0.918 | 11.659 | 340.5 | 530.6 | 0.957 | 22.362A | -1.21 | 0.131 | 147.8 | 167.5 | -55.6 | 0.185 |
| | | 9.01 | 4.89 | 13.89 | TWO | 20.062 | 197.4 | 65.1 | 57.1 | | | | | | | | | | |
| 44250.0 | 48310.0 | 0.381 | 195.2 | -14.1 | -1.91 | 1.396 | 89.7 | 0.916 | 11.710 | 0.6 | 170.4 | 0.983D | 22.436A | 2.58 | 0.132 | 147.7 | 169.8 | -56.4 | 0.185 |
| | | 8.03 | 4.88 | 12.91 | ONE | 20.062 | 197.4 | 65.1 | 56.7 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44260.0 | 48310.0 | 0.393 | 190.0 | -8.1 | -0.97 | 1.395 | 84.8 | 0.917 | 11.706 | 10.9 | 170.4 | 0.976D | 22.437A | 1.61 | 0.132 | 147.8 | 169.2 | -56.3 | 0.185 |
| | | 8.29 | 4.89 | 13.17 | ONE | 20.062 | 197.4 | 65.1 | 56.7 | | | | | | | | | | |
| 44270.0 | 48310.0 | 0.430 | 185.6 | -4.7 | -0.67 | 1.394 | 79.9 | 0.918 | 11.685 | 21.2 | 170.6 | 0.953D | 22.416A | 1.27 | 0.131 | 148.0 | 169.0 | -56.1 | 0.185 |
| | | 9.09 | 4.89 | 13.99 | ONE | 20.062 | 197.4 | 65.1 | 56.9 | | | | | | | | | | |
| 44280.0 | 48310.0 | 0.484 | 183.0 | -2.9 | -0.52 | 1.393 | 74.9 | 0.921 | 11.645 | 31.5 | 170.8 | 0.917D | 22.374A | 1.09 | 0.130 | 148.4 | 169.0 | -55.7 | 0.186 |
| | | 10.36 | 4.90 | 15.26 | ONE | 20.062 | 197.4 | 65.1 | 57.3 | | | | | | | | | | |
| 44290.0 | 48310.0 | 0.552 | 182.4 | -2.2 | -0.44 | 1.392 | 69.9 | 0.925 | 11.590 | 42.0 | 171.2 | 0.867D | 22.314A | 0.97 | 0.129 | 148.9 | 169.1 | -55.2 | 0.187 |
| | | 12.01 | 4.92 | 16.92 | ONE | 20.062 | 197.4 | 65.1 | 57.8 | | | | | | | | | | |
| 44300.0 | 48310.0 | 0.629 | 183.4 | -2.3 | -0.39 | 1.390 | 64.8 | 0.930 | 11.522 | 52.5 | 171.6 | 0.804D | 22.240A | 0.88 | 0.127 | 149.6 | 169.3 | -54.6 | 0.189 |
| | | 13.94 | 4.93 | 18.88 | ONE | 20.062 | 197.4 | 65.1 | 58.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448410.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48410.0 | 0.608 | 212.0 | -11.8 | 0.53 | 1.391 | 113.7 | 0.927 | 11.262 | 310.6 | 532.3 | 0.822 | 21.702A | 0.29 | 0.118 | 146.8 | 169.5 | -53.1 | 0.183 |
| | | 13.39 | 4.86 | 18.26 | TWO | 18.598 | 196.5 | 64.0 | 61.0 | | | | | | | | | | |
| 44210.0 | 48410.0 | 0.538 | 213.5 | -11.7 | 0.68 | 1.393 | 109.0 | 0.923 | 11.337 | 320.3 | 531.9 | 0.877 | 21.797A | 0.11 | 0.120 | 146.4 | 169.2 | -53.8 | 0.182 |
| | | 11.67 | 4.85 | 16.52 | TWO | 18.598 | 196.5 | 64.0 | 60.3 | | | | | | | | | | |
| 44220.0 | 48410.0 | 0.477 | 213.5 | -10.6 | 0.97 | 1.394 | 104.3 | 0.919 | 11.399 | 330.1 | 531.5 | 0.922 | 21.877A | -0.21 | 0.122 | 146.1 | 168.7 | -54.4 | 0.181 |
| | | 10.18 | 4.84 | 15.02 | TWO | 18.598 | 196.5 | 64.0 | 59.6 | | | | | | | | | | |
| 44230.0 | 48410.0 | 0.427 | 212.1 | -6.8 | 1.81 | 1.395 | 99.6 | 0.917 | 11.447 | 340.0 | 531.3 | 0.955 | 21.940A | -1.09 | 0.124 | 145.9 | 167.9 | -54.8 | 0.181 |
| | | 9.04 | 4.84 | 13.87 | TWO | 18.598 | 196.5 | 64.0 | 59.2 | | | | | | | | | | |
| 44240.0 | 48410.0 | 0.541 | 229.2 | 37.5 | 18.08 | 1.395 | 94.8 | 0.915 | 11.480 | 350.0 | 531.1 | 0.976 | 21.983A | -17.39 | 0.125 | 145.8 | 158.2 | -52.6 | 0.184 |
| | | 11.73 | 4.88 | 16.61 | TWO | 18.598 | 196.5 | 64.0 | 59.6 | | | | | | | | | | |
| 44250.0 | 48410.0 | 0.381 | 195.5 | -15.5 | -2.23 | 1.395 | 89.9 | 0.914 | 11.495 | 0.2 | 171.0 | 0.983D | 22.006A | 2.89 | 0.125 | 145.8 | 170.4 | -55.5 | 0.181 |
| | | 8.03 | 4.83 | 12.87 | ONE | 18.598 | 196.5 | 64.0 | 58.8 | | | | | | | | | | |
| 44260.0 | 48410.0 | 0.392 | 190.6 | -8.7 | -1.07 | 1.395 | 85.0 | 0.915 | 11.492 | 10.4 | 171.1 | 0.976D | 22.008A | 1.70 | 0.125 | 145.9 | 169.6 | -55.4 | 0.181 |
| | | 8.25 | 4.84 | 13.09 | ONE | 18.598 | 196.5 | 64.0 | 58.8 | | | | | | | | | | |
| 44270.0 | 48410.0 | 0.427 | 186.1 | -5.2 | -0.72 | 1.394 | 80.1 | 0.917 | 11.472 | 20.7 | 171.2 | 0.955D | 21.990A | 1.31 | 0.125 | 146.1 | 169.4 | -55.2 | 0.181 |
| | | 9.03 | 4.84 | 13.87 | ONE | 18.598 | 196.5 | 64.0 | 58.9 | | | | | | | | | | |
| 44280.0 | 48410.0 | 0.481 | 183.5 | -3.2 | -0.56 | 1.393 | 75.2 | 0.920 | 11.436 | 31.0 | 171.4 | 0.919D | 21.953A | 1.12 | 0.124 | 146.5 | 169.4 | -54.9 | 0.182 |
| | | 10.27 | 4.85 | 15.12 | ONE | 18.598 | 196.5 | 64.0 | 59.3 | | | | | | | | | | |
| 44290.0 | 48410.0 | 0.548 | 182.9 | -2.4 | -0.46 | 1.391 | 70.1 | 0.924 | 11.386 | 41.5 | 171.8 | 0.870D | 21.902A | 0.99 | 0.122 | 147.0 | 169.5 | -54.4 | 0.183 |
| | | 11.89 | 4.87 | 16.76 | ONE | 18.598 | 196.5 | 64.0 | 59.7 | | | | | | | | | | |
| 44300.0 | 48410.0 | 0.624 | 183.8 | -2.6 | -0.41 | 1.389 | 65.1 | 0.929 | 11.323 | 51.9 | 172.2 | 0.808D | 21.838A | 0.89 | 0.120 | 147.7 | 169.6 | -53.8 | 0.185 |
| | | 13.81 | 4.88 | 18.69 | ONE | 18.598 | 196.5 | 64.0 | 60.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448510.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48510.0 | 0.611 | 212.4 | -11.9 | 0.54 | 1.391 | 114.0 | 0.926 | 11.093 | 310.0 | 532.9 | 0.818 | 21.369A | 0.28 | 0.112 | 144.8 | 169.9 | -52.2 | 0.180 |
| | | 13.49 | 4.82 | 18.31 | TWO | 19.077 | 195.7 | 62.9 | 63.1 | | | | | | | | | | |
| 44210.0 | 48510.0 | 0.542 | 214.0 | -11.9 | 0.68 | 1.393 | 109.3 | 0.922 | 11.163 | 319.8 | 532.5 | 0.874 | 21.453A | 0.11 | 0.114 | 144.4 | 169.5 | -52.9 | 0.178 |
| | | 11.74 | 4.81 | 16.55 | TWO | 19.077 | 195.7 | 62.9 | 62.3 | | | | | | | | | | |
| 44220.0 | 48510.0 | 0.479 | 214.1 | -10.8 | 0.96 | 1.394 | 104.5 | 0.918 | 11.222 | 329.6 | 532.2 | 0.920 | 21.524A | -0.20 | 0.116 | 144.1 | 169.1 | -53.5 | 0.178 |
| | | 10.24 | 4.80 | 15.04 | TWO | 19.077 | 195.7 | 62.9 | 61.7 | | | | | | | | | | |
| 44230.0 | 48510.0 | 0.429 | 212.6 | -7.3 | 1.71 | 1.394 | 99.8 | 0.915 | 11.267 | 339.5 | 531.9 | 0.954 | 21.579A | -0.99 | 0.118 | 143.9 | 168.4 | -53.9 | 0.177 |
| | | 9.07 | 4.79 | 13.87 | TWO | 19.077 | 195.7 | 62.9 | 61.2 | | | | | | | | | | |
| 44240.0 | 48510.0 | 0.438 | 218.0 | 18.2 | 9.40 | 1.395 | 95.0 | 0.914 | 11.297 | 349.5 | 531.8 | 0.975 | 21.618A | -8.71 | 0.119 | 143.8 | 163.4 | -53.2 | 0.178 |
| | | 9.27 | 4.80 | 14.08 | TWO | 19.077 | 195.7 | 62.9 | 61.1 | | | | | | | | | | |
| 44250.0 | 48510.0 | 0.382 | 195.7 | -17.2 | -2.65 | 1.395 | 90.2 | 0.913 | 11.311 | 359.7 | 531.7 | 0.983 | 21.639A | 3.30 | 0.119 | 143.8 | 171.0 | -54.7 | 0.177 |
| | | 8.05 | 4.79 | 12.84 | ONE | 19.077 | 195.7 | 62.9 | 60.8 | | | | | | | | | | |
| 44260.0 | 48510.0 | 0.390 | 191.3 | -9.4 | -1.18 | 1.394 | 85.3 | 0.914 | 11.309 | 9.9 | 171.7 | 0.977D | 21.641A | 1.80 | 0.119 | 143.9 | 170.0 | -54.6 | 0.177 |
| | | 8.22 | 4.79 | 13.01 | ONE | 19.077 | 195.7 | 62.9 | 60.8 | | | | | | | | | | |
| 44270.0 | 48510.0 | 0.424 | 186.7 | -5.6 | -0.77 | 1.393 | 80.4 | 0.915 | 11.291 | 20.1 | 171.8 | 0.956D | 21.626A | 1.36 | 0.119 | 144.2 | 169.8 | -54.4 | 0.177 |
| | | 8.97 | 4.80 | 13.76 | ONE | 19.077 | 195.7 | 62.9 | 60.9 | | | | | | | | | | |
| 44280.0 | 48510.0 | 0.477 | 184.0 | -3.6 | -0.59 | 1.392 | 75.4 | 0.918 | 11.258 | 30.5 | 172.0 | 0.921D | 21.595A | 1.14 | 0.118 | 144.5 | 169.8 | -54.0 | 0.178 |
| | | 10.18 | 4.81 | 14.99 | ONE | 19.077 | 195.7 | 62.9 | 61.3 | | | | | | | | | | |
| 44290.0 | 48510.0 | 0.543 | 183.3 | -2.7 | -0.49 | 1.391 | 70.4 | 0.922 | 11.212 | 40.9 | 172.3 | 0.873D | 21.550A | 1.00 | 0.116 | 145.0 | 169.8 | -53.6 | 0.179 |
| | | 11.78 | 4.82 | 16.60 | ONE | 19.077 | 195.7 | 62.9 | 61.7 | | | | | | | | | | |
| 44300.0 | 48510.0 | 0.619 | 184.2 | -2.8 | -0.43 | 1.389 | 65.4 | 0.927 | 11.153 | 51.3 | 172.7 | 0.812D | 21.494A | 0.90 | 0.114 | 145.7 | 170.0 | -53.0 | 0.181 |
| | | 13.68 | 4.84 | 18.52 | ONE | 19.077 | 195.7 | 62.9 | 62.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448610.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48610.0 | 0.615 | 212.9 | -12.0 | 0.55 | 1.391 | 114.2 | 0.926 | 10.950 | 309.5 | 533.5 | 0.815 | 21.085A | 0.28 | 0.106 | 142.7 | 170.2 | -51.3 | 0.177 |
| | | 13.58 | 4.79 | 18.37 | TWO | 20.448 | 195.0 | 61.9 | 65.1 | | | | | | | | | | |
| 44210.0 | 48610.0 | 0.545 | 214.5 | -12.1 | 0.68 | 1.392 | 109.5 | 0.921 | 11.015 | 319.2 | 533.1 | 0.871 | 21.159A | 0.11 | 0.108 | 142.3 | 169.8 | -52.1 | 0.175 |
| | | 11.83 | 4.77 | 16.60 | TWO | 20.448 | 195.0 | 61.9 | 64.3 | | | | | | | | | | |
| 44220.0 | 48610.0 | 0.482 | 214.7 | -11.1 | 0.95 | 1.393 | 104.8 | 0.917 | 11.070 | 329.0 | 532.8 | 0.917 | 21.222A | -0.19 | 0.110 | 142.0 | 169.4 | -52.6 | 0.174 |
| | | 10.30 | 4.76 | 15.07 | TWO | 20.448 | 195.0 | 61.9 | 63.7 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44230.0 | 48610.0 | 0.430 | 213.3 | -7.9 | 1.63 | 1.394 | 100.0 | 0.914 | 11.112 | 339.0 | 532.5 | 0.952 | 21.272A | -0.91 | 0.112 | 141.8 | 168.8 | -53.0 | 0.174 |
| | | 9.11 | 4.76 | 13.87 | TWO | 20.448 | 195.0 | 61.9 | 63.2 | | | | | | | | | | |
| 44240.0 | 48610.0 | 0.415 | 215.0 | 9.6 | 6.48 | 1.394 | 95.3 | 0.913 | 11.140 | 349.0 | 532.4 | 0.975 | 21.306A | -5.80 | 0.113 | 141.7 | 165.5 | -52.8 | 0.174 |
| | | 8.77 | 4.76 | 13.53 | TWO | 20.448 | 195.0 | 61.9 | 63.0 | | | | | | | | | | |
| 44250.0 | 48610.0 | 0.384 | 195.8 | -19.4 | -3.20 | 1.394 | 90.4 | 0.912 | 11.154 | 359.1 | 532.3 | 0.983 | 21.325A | 3.85 | 0.114 | 141.7 | 171.8 | -53.9 | 0.173 |
| | | 8.08 | 4.75 | 12.83 | ONE | 20.448 | 195.0 | 61.9 | 62.8 | | | | | | | | | | |
| 44260.0 | 48610.0 | 0.388 | 191.9 | -10.2 | -1.30 | 1.394 | 85.5 | 0.912 | 11.153 | 9.3 | 172.3 | 0.978D | 21.328A | 1.92 | 0.114 | 141.9 | 170.5 | -53.8 | 0.173 |
| | | 8.19 | 4.75 | 12.94 | ONE | 20.448 | 195.0 | 61.9 | 62.8 | | | | | | | | | | |
| 44270.0 | 48610.0 | 0.421 | 187.4 | -6.2 | -0.83 | 1.393 | 80.6 | 0.914 | 11.137 | 19.6 | 172.4 | 0.958D | 21.315A | 1.41 | 0.113 | 142.1 | 170.2 | -53.6 | 0.174 |
| | | 8.90 | 4.76 | 13.66 | ONE | 20.448 | 195.0 | 61.9 | 62.9 | | | | | | | | | | |
| 44280.0 | 48610.0 | 0.473 | 184.6 | -3.9 | -0.63 | 1.392 | 75.7 | 0.917 | 11.106 | 29.9 | 172.6 | 0.924D | 21.288A | 1.17 | 0.112 | 142.4 | 170.1 | -53.2 | 0.175 |
| | | 10.09 | 4.77 | 14.86 | ONE | 20.448 | 195.0 | 61.9 | 63.2 | | | | | | | | | | |
| 44290.0 | 48610.0 | 0.539 | 183.8 | -3.0 | -0.52 | 1.390 | 70.7 | 0.921 | 11.063 | 40.3 | 172.9 | 0.876D | 21.249A | 1.02 | 0.110 | 142.9 | 170.2 | -52.8 | 0.176 |
| | | 11.67 | 4.78 | 16.45 | ONE | 20.448 | 195.0 | 61.9 | 63.7 | | | | | | | | | | |
| 44300.0 | 48610.0 | 0.613 | 184.7 | -3.0 | -0.45 | 1.388 | 65.7 | 0.926 | 11.008 | 50.7 | 173.2 | 0.816D | 21.200A | 0.92 | 0.108 | 143.5 | 170.3 | -52.2 | 0.178 |
| | | 13.54 | 4.80 | 18.35 | ONE | 20.448 | 195.0 | 61.9 | 64.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448710.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48710.0 | 0.619 | 213.3 | -12.2 | 0.56 | 1.390 | 114.5 | 0.925 | 10.826 | 308.9 | 534.0 | 0.811 | 20.842A | 0.27 | 0.100 | 140.4 | 170.5 | -50.5 | 0.174 |
| | | 13.69 | 4.76 | 18.45 | TWO | 19.664 | 194.3 | 60.8 | 67.1 | | | | | | | | | | |
| 44210.0 | 48710.0 | 0.549 | 215.1 | -12.3 | 0.69 | 1.392 | 109.8 | 0.920 | 10.888 | 318.6 | 533.6 | 0.868 | 20.908A | 0.10 | 0.103 | 140.1 | 170.1 | -51.2 | 0.172 |
| | | 11.91 | 4.74 | 16.66 | TWO | 19.664 | 194.3 | 60.8 | 66.4 | | | | | | | | | | |
| 44220.0 | 48710.0 | 0.485 | 215.3 | -11.3 | 0.94 | 1.393 | 105.1 | 0.916 | 10.939 | 328.5 | 533.3 | 0.915 | 20.964A | -0.19 | 0.105 | 139.8 | 169.8 | -51.8 | 0.171 |
| | | 10.37 | 4.73 | 15.11 | TWO | 19.664 | 194.3 | 60.8 | 65.7 | | | | | | | | | | |
| 44230.0 | 48710.0 | 0.433 | 213.9 | -8.4 | 1.56 | 1.394 | 100.3 | 0.913 | 10.979 | 338.4 | 533.1 | 0.951 | 21.008A | -0.84 | 0.107 | 139.6 | 169.2 | -52.2 | 0.171 |
| | | 9.16 | 4.72 | 13.88 | TWO | 19.664 | 194.3 | 60.8 | 65.3 | | | | | | | | | | |
| 44240.0 | 48710.0 | 0.407 | 213.9 | 4.8 | 5.02 | 1.394 | 95.5 | 0.912 | 11.007 | 348.4 | 533.0 | 0.974 | 21.039A | -4.34 | 0.108 | 139.5 | 166.8 | -52.1 | 0.171 |
| | | 8.60 | 4.72 | 13.32 | TWO | 19.664 | 194.3 | 60.8 | 65.0 | | | | | | | | | | |
| 44250.0 | 48710.0 | 0.386 | 195.6 | -22.3 | -3.96 | 1.394 | 90.7 | 0.911 | 11.020 | 358.6 | 532.9 | 0.983 | 21.056A | 4.60 | 0.108 | 139.5 | 172.6 | -53.1 | 0.170 |
| | | 8.14 | 4.72 | 12.86 | ONE | 19.664 | 194.3 | 60.8 | 64.8 | | | | | | | | | | |
| 44260.0 | 48710.0 | 0.387 | 192.6 | -11.0 | -1.44 | 1.393 | 85.8 | 0.911 | 11.019 | 8.8 | 172.9 | 0.979D | 21.060A | 2.05 | 0.108 | 139.6 | 170.9 | -52.9 | 0.170 |
| | | 8.16 | 4.72 | 12.88 | ONE | 19.664 | 194.3 | 60.8 | 64.8 | | | | | | | | | | |
| 44270.0 | 48710.0 | 0.418 | 188.1 | -6.7 | -0.90 | 1.393 | 80.9 | 0.913 | 11.004 | 19.0 | 173.0 | 0.959D | 21.049A | 1.47 | 0.108 | 139.8 | 170.5 | -52.7 | 0.171 |
| | | 8.84 | 4.73 | 13.57 | ONE | 19.664 | 194.3 | 60.8 | 64.9 | | | | | | | | | | |
| 44280.0 | 48710.0 | 0.469 | 185.2 | -4.3 | -0.67 | 1.391 | 76.0 | 0.916 | 10.976 | 29.4 | 173.2 | 0.926D | 21.026A | 1.20 | 0.107 | 140.2 | 170.4 | -52.4 | 0.172 |
| | | 10.00 | 4.74 | 14.74 | ONE | 19.664 | 194.3 | 60.8 | 65.2 | | | | | | | | | | |
| 44290.0 | 48710.0 | 0.534 | 184.3 | -3.3 | -0.55 | 1.390 | 71.0 | 0.920 | 10.936 | 39.7 | 173.4 | 0.879D | 20.992A | 1.04 | 0.105 | 140.6 | 170.5 | -52.0 | 0.173 |
| | | 11.56 | 4.75 | 16.31 | ONE | 19.664 | 194.3 | 60.8 | 65.7 | | | | | | | | | | |
| 44300.0 | 48710.0 | 0.608 | 185.1 | -3.3 | -0.47 | 1.388 | 66.0 | 0.925 | 10.885 | 50.1 | 173.7 | 0.820D | 20.949A | 0.93 | 0.103 | 141.3 | 170.6 | -51.4 | 0.175 |
| | | 13.41 | 4.77 | 18.18 | ONE | 19.664 | 194.3 | 60.8 | 66.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448810.0 | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48810.0 | 0.623 | 213.8 | -12.4 | 0.56 | 1.390 | 114.8 | 0.925 | 10.721 | 308.3 | 534.5 | 0.807 | 20.635A | 0.27 | 0.095 | 138.0 | 170.8 | -49.6 | 0.171 |
| | | 13.80 | 4.73 | 18.53 | TWO | 18.521 | 193.7 | 59.7 | 69.1 | | | | | | | | | | |
| 44210.0 | 48810.0 | 0.552 | 215.6 | -12.5 | 0.69 | 1.391 | 110.1 | 0.920 | 10.779 | 318.0 | 534.2 | 0.865 | 20.693A | 0.10 | 0.098 | 137.7 | 170.4 | -50.4 | 0.170 |
| | | 12.01 | 4.72 | 16.73 | TWO | 18.521 | 193.7 | 59.7 | 68.4 | | | | | | | | | | |
| 44220.0 | 48810.0 | 0.488 | 216.0 | -11.6 | 0.93 | 1.393 | 105.3 | 0.916 | 10.828 | 327.9 | 533.9 | 0.913 | 20.743A | -0.18 | 0.100 | 137.4 | 170.1 | -50.9 | 0.169 |
| | | 10.45 | 4.70 | 15.15 | TWO | 18.521 | 193.7 | 59.7 | 67.7 | | | | | | | | | | |
| 44230.0 | 48810.0 | 0.435 | 214.6 | -8.8 | 1.49 | 1.393 | 100.6 | 0.913 | 10.866 | 337.9 | 533.7 | 0.949 | 20.782A | -0.78 | 0.102 | 137.3 | 169.5 | -51.3 | 0.168 |
| | | 9.21 | 4.69 | 13.91 | TWO | 18.521 | 193.7 | 59.7 | 67.3 | | | | | | | | | | |
| 44240.0 | 48810.0 | 0.404 | 213.7 | 1.7 | 4.15 | 1.394 | 95.8 | 0.911 | 10.892 | 347.9 | 533.5 | 0.973 | 20.811A | -3.47 | 0.103 | 137.2 | 167.6 | -51.4 | 0.168 |
| | | 8.53 | 4.69 | 13.22 | TWO | 18.521 | 193.7 | 59.7 | 66.9 | | | | | | | | | | |
| 44250.0 | 48810.0 | 0.392 | 194.8 | -26.3 | -5.09 | 1.394 | 90.9 | 0.910 | 10.905 | 358.0 | 533.4 | 0.983 | 20.826A | 5.73 | 0.103 | 137.2 | 173.7 | -52.3 | 0.168 |
| | | 8.26 | 4.69 | 12.96 | ONE | 18.521 | 193.7 | 59.7 | 66.8 | | | | | | | | | | |
| 44260.0 | 48810.0 | 0.386 | 193.2 | -11.9 | -1.60 | 1.393 | 86.1 | 0.910 | 10.904 | 8.2 | 173.5 | 0.979D | 20.830A | 2.20 | 0.103 | 137.3 | 171.3 | -52.1 | 0.168 |
| | | 8.13 | 4.69 | 12.82 | ONE | 18.521 | 193.7 | 59.7 | 66.7 | | | | | | | | | | |
| 44270.0 | 48810.0 | 0.416 | 188.8 | -7.3 | -0.97 | 1.392 | 81.2 | 0.912 | 10.891 | 18.5 | 173.5 | 0.961D | 20.821A | 1.53 | 0.103 | 137.5 | 170.9 | -51.9 | 0.168 |
| | | 8.78 | 4.70 | 13.48 | ONE | 18.521 | 193.7 | 59.7 | 66.9 | | | | | | | | | | |
| 44280.0 | 48810.0 | 0.465 | 185.8 | -4.8 | -0.71 | 1.391 | 76.3 | 0.915 | 10.865 | 28.8 | 173.7 | 0.929D | 20.801A | 1.24 | 0.102 | 137.8 | 170.8 | -51.6 | 0.169 |
| | | 9.92 | 4.70 | 14.62 | ONE | 18.521 | 193.7 | 59.7 | 67.2 | | | | | | | | | | |
| 44290.0 | 48810.0 | 0.529 | 184.9 | -3.7 | -0.57 | 1.389 | 71.3 | 0.918 | 10.827 | 39.1 | 173.9 | 0.883D | 20.771A | 1.06 | 0.100 | 138.3 | 170.8 | -51.2 | 0.170 |
| | | 11.44 | 4.72 | 16.16 | ONE | 18.521 | 193.7 | 59.7 | 67.6 | | | | | | | | | | |
| 44300.0 | 48810.0 | 0.603 | 185.6 | -3.6 | -0.50 | 1.388 | 66.3 | 0.924 | 10.779 | 49.4 | 174.2 | 0.825D | 20.734A | 0.94 | 0.098 | 138.9 | 170.8 | -50.7 | 0.172 |
| | | 13.27 | 4.74 | 18.01 | ONE | 18.521 | 193.7 | 59.7 | 68.1 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448910.0** | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 48910.0 | 0.628 | 214.3 | -12.5 | 0.57 | 1.390 | 115.1 | 0.924 | 10.631 | 307.6 | 535.0 | 0.803 | 20.458A | 0.26 | 0.091 | 135.5 | 171.0 | -48.8 | 0.169 |
| | | 13.92 | 4.71 | 18.63 | TWO | 19.653 | 193.1 | 58.6 | 71.1 | | | | | | | | | | |
| 44210.0 | 48910.0 | 0.556 | 216.2 | -12.7 | 0.69 | 1.391 | 110.4 | 0.919 | 10.686 | 317.4 | 534.7 | 0.861 | 20.510A | 0.10 | 0.093 | 135.2 | 170.7 | -49.5 | 0.168 |
| | | 12.11 | 4.69 | 16.80 | TWO | 19.653 | 193.1 | 58.6 | 70.3 | | | | | | | | | | |
| 44220.0 | 48910.0 | 0.492 | 216.6 | -11.8 | 0.92 | 1.392 | 105.6 | 0.915 | 10.732 | 327.3 | 534.4 | 0.910 | 20.554A | -0.17 | 0.095 | 135.0 | 170.4 | -50.1 | 0.167 |
| | | 10.53 | 4.68 | 15.21 | TWO | 19.653 | 193.1 | 58.6 | 69.7 | | | | | | | | | | |
| 44230.0 | 48910.0 | 0.437 | 215.3 | -9.3 | 1.44 | 1.393 | 100.8 | 0.912 | 10.768 | 337.3 | 534.2 | 0.947 | 20.589A | -0.73 | 0.097 | 134.8 | 169.8 | -50.5 | 0.166 |
| | | 9.27 | 4.67 | 13.94 | TWO | 19.653 | 193.1 | 58.6 | 69.2 | | | | | | | | | | |
| 44240.0 | 48910.0 | 0.403 | 213.8 | -0.5 | 3.57 | 1.393 | 96.0 | 0.910 | 10.793 | 347.3 | 534.1 | 0.972 | 20.615A | -2.90 | 0.098 | 134.8 | 168.3 | -50.6 | 0.165 |
| | | 8.51 | 4.66 | 13.18 | TWO | 19.653 | 193.1 | 58.6 | 68.9 | | | | | | | | | | |
| 44250.0 | 48910.0 | 0.404 | 192.9 | -32.4 | -6.95 | 1.393 | 91.2 | 0.909 | 10.806 | 357.5 | 534.0 | 0.983 | 20.629A | 7.59 | 0.099 | 134.8 | 175.2 | -51.6 | 0.166 |
| | | 8.53 | 4.67 | 13.20 | ONE | 19.653 | 193.1 | 58.6 | 68.8 | | | | | | | | | | |
| 44260.0 | 48910.0 | 0.385 | 193.9 | -12.9 | -1.78 | 1.393 | 86.4 | 0.909 | 10.806 | 7.6 | 174.0 | 0.980D | 20.633A | 2.38 | 0.099 | 134.9 | 171.7 | -51.3 | 0.165 |
| | | 8.11 | 4.66 | 12.77 | ONE | 19.653 | 193.1 | 58.6 | 68.7 | | | | | | | | | | |
| 44270.0 | 48910.0 | 0.413 | 189.5 | -7.9 | -1.04 | 1.392 | 81.5 | 0.911 | 10.794 | 17.9 | 174.1 | 0.963D | 20.625A | 1.60 | 0.098 | 135.0 | 171.2 | -51.1 | 0.166 |
| | | 8.72 | 4.67 | 13.39 | ONE | 19.653 | 193.1 | 58.6 | 68.8 | | | | | | | | | | |
| 44280.0 | 48910.0 | 0.462 | 186.5 | -5.2 | -0.75 | 1.391 | 76.6 | 0.914 | 10.770 | 28.1 | 174.2 | 0.931D | 20.608A | 1.27 | 0.097 | 135.3 | 171.1 | -50.8 | 0.166 |
| | | 9.83 | 4.68 | 14.50 | ONE | 19.653 | 193.1 | 58.6 | 69.1 | | | | | | | | | | |
| 44290.0 | 48910.0 | 0.525 | 185.4 | -4.0 | -0.60 | 1.389 | 71.6 | 0.917 | 10.734 | 38.5 | 174.4 | 0.886D | 20.583A | 1.08 | 0.096 | 135.7 | 171.0 | -50.4 | 0.168 |
| | | 11.33 | 4.69 | 16.02 | ONE | 19.653 | 193.1 | 58.6 | 69.5 | | | | | | | | | | |
| 44300.0 | 48910.0 | 0.597 | 186.1 | -3.8 | -0.52 | 1.387 | 66.7 | 0.922 | 10.690 | 48.8 | 174.7 | 0.829D | 20.550A | 0.95 | 0.093 | 136.3 | 171.1 | -49.9 | 0.169 |
| | | 13.14 | 4.71 | 17.85 | ONE | 19.653 | 193.1 | 58.6 | 70.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2449110.0** | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 49110.0 | 0.638 | 215.3 | -12.9 | 0.58 | 1.389 | 115.7 | 0.924 | 10.488 | 306.3 | 536.0 | 0.794 | 20.182A | 0.25 | 0.082 | 129.9 | 171.5 | -47.3 | 0.166 |
| | | 14.17 | 4.67 | 18.84 | TWO | 19.221 | 192.0 | 56.4 | 74.9 | | | | | | | | | | |
| 44210.0 | 49110.0 | 0.565 | 217.4 | -13.1 | 0.70 | 1.391 | 111.0 | 0.919 | 10.538 | 316.1 | 535.7 | 0.854 | 20.222A | 0.09 | 0.085 | 129.7 | 171.2 | -48.0 | 0.164 |
| | | 12.33 | 4.65 | 16.98 | TWO | 19.221 | 192.0 | 56.4 | 74.2 | | | | | | | | | | |
| 44220.0 | 49110.0 | 0.499 | 218.0 | -12.4 | 0.91 | 1.392 | 106.2 | 0.915 | 10.581 | 326.0 | 535.4 | 0.904 | 20.257A | -0.16 | 0.087 | 129.6 | 170.9 | -48.6 | 0.163 |
| | | 10.71 | 4.64 | 15.35 | TWO | 19.221 | 192.0 | 56.4 | 73.6 | | | | | | | | | | |
| 44230.0 | 49110.0 | 0.443 | 216.8 | -10.2 | 1.35 | 1.392 | 101.4 | 0.911 | 10.614 | 336.0 | 535.2 | 0.943 | 20.285A | -0.65 | 0.089 | 129.5 | 170.4 | -49.0 | 0.162 |
| | | 9.40 | 4.63 | 14.03 | TWO | 19.221 | 192.0 | 56.4 | 73.1 | | | | | | | | | | |
| 44240.0 | 49110.0 | 0.404 | 214.7 | -3.5 | 2.84 | 1.393 | 96.6 | 0.909 | 10.637 | 346.1 | 535.1 | 0.970 | 20.305A | -2.18 | 0.090 | 129.5 | 169.3 | -49.2 | 0.161 |
| | | 8.53 | 4.62 | 13.16 | TWO | 19.221 | 192.0 | 56.4 | 72.8 | | | | | | | | | | |
| 44250.0 | 49110.0 | 0.567 | 166.0 | -62.4 | -20.45 | 1.393 | 91.8 | 0.908 | 10.650 | 356.3 | 535.0 | 0.982 | 20.317A | 21.08 | 0.091 | 129.5 | 184.1 | -50.1 | 0.167 |
| | | 12.37 | 4.69 | 17.06 | ONE | 19.221 | 192.0 | 56.4 | 73.2 | | | | | | | | | | |
| 44260.0 | 49110.0 | 0.383 | 195.2 | -15.4 | -2.26 | 1.392 | 87.0 | 0.908 | 10.651 | 6.4 | 175.0 | 0.981D | 20.321A | 2.84 | 0.091 | 129.6 | 172.5 | -49.8 | 0.161 |
| | | 8.08 | 4.62 | 12.70 | ONE | 19.221 | 192.0 | 56.4 | 72.5 | | | | | | | | | | |
| 44270.0 | 49110.0 | 0.408 | 191.0 | -9.2 | -1.21 | 1.391 | 82.1 | 0.909 | 10.641 | 16.6 | 175.1 | 0.966D | 20.316A | 1.76 | 0.090 | 129.8 | 171.8 | -49.6 | 0.161 |
| | | 8.61 | 4.62 | 13.23 | ONE | 19.221 | 192.0 | 56.4 | 72.6 | | | | | | | | | | |
| 44280.0 | 49110.0 | 0.454 | 187.9 | -6.1 | -0.85 | 1.390 | 77.2 | 0.912 | 10.620 | 26.9 | 175.2 | 0.936D | 20.304A | 1.35 | 0.089 | 130.0 | 171.6 | -49.4 | 0.162 |
| | | 9.65 | 4.63 | 14.28 | ONE | 19.221 | 192.0 | 56.4 | 72.9 | | | | | | | | | | |
| 44290.0 | 49110.0 | 0.515 | 186.6 | -4.7 | -0.67 | 1.389 | 72.3 | 0.916 | 10.589 | 37.1 | 175.4 | 0.893D | 20.285A | 1.13 | 0.088 | 130.3 | 171.6 | -49.0 | 0.164 |
| | | 11.10 | 4.65 | 15.75 | ONE | 19.221 | 192.0 | 56.4 | 73.2 | | | | | | | | | | |
| 44300.0 | 49110.0 | 0.587 | 187.1 | -4.4 | -0.57 | 1.387 | 67.3 | 0.921 | 10.549 | 47.4 | 175.6 | 0.837D | 20.260A | 0.98 | 0.086 | 130.8 | 171.6 | -48.5 | 0.165 |
| | | 12.86 | 4.67 | 17.53 | ONE | 19.221 | 192.0 | 56.4 | 73.7 | | | | | | | | | | |
| **ARRIVAL DATE = 2449310.0** | | | | | | | | | | | | | | | | | | | |
| 44200.0 | 49310.0 | 0.648 | 216.4 | -13.2 | 0.60 | 1.389 | 116.4 | 0.924 | 10.387 | 304.9 | 536.8 | 0.785 | 19.989A | 0.25 | 0.075 | 123.7 | 171.9 | -45.9 | 0.164 |
| | | 14.44 | 4.65 | 19.09 | TWO | 20.195 | 191.1 | 54.2 | 78.5 | | | | | | | | | | |
| 44210.0 | 49310.0 | 0.575 | 218.6 | -13.5 | 0.71 | 1.390 | 111.6 | 0.919 | 10.433 | 314.8 | 536.6 | 0.846 | 20.019A | 0.09 | 0.078 | 123.7 | 171.6 | -46.6 | 0.162 |
| | | 12.57 | 4.63 | 17.19 | TWO | 20.195 | 191.1 | 54.2 | 77.8 | | | | | | | | | | |
| 44220.0 | 49310.0 | 0.507 | 219.3 | -12.9 | 0.90 | 1.391 | 106.8 | 0.914 | 10.472 | 324.7 | 536.3 | 0.898 | 20.046A | -0.15 | 0.080 | 123.7 | 171.3 | -47.1 | 0.160 |
| | | 10.91 | 4.61 | 15.52 | TWO | 20.195 | 191.1 | 54.2 | 77.3 | | | | | | | | | | |
| 44230.0 | 49310.0 | 0.449 | 218.4 | -11.0 | 1.28 | 1.392 | 102.0 | 0.911 | 10.503 | 334.7 | 536.2 | 0.939 | 20.067A | -0.58 | 0.082 | 123.7 | 170.9 | -47.5 | 0.159 |
| | | 9.55 | 4.60 | 14.14 | TWO | 20.195 | 191.1 | 54.2 | 76.8 | | | | | | | | | | |
| 44240.0 | 49310.0 | 0.407 | 216.1 | -5.7 | 2.41 | 1.392 | 97.2 | 0.908 | 10.525 | 344.8 | 536.0 | 0.967 | 20.084A | -1.75 | 0.083 | 123.8 | 170.1 | -47.8 | 0.158 |
| | | 8.60 | 4.59 | 13.19 | TWO | 20.195 | 191.1 | 54.2 | 76.5 | | | | | | | | | | |
| 44250.0 | 49310.0 | 0.625 | 239.0 | 47.8 | 24.09 | 1.392 | 92.5 | 0.907 | 10.538 | 354.8 | 536.0 | 0.982 | 20.094A | -23.47 | 0.084 | 123.8 | 157.9 | -44.9 | 0.166 |
| | | 13.84 | 4.67 | 18.50 | TWO | 20.195 | 191.1 | 54.2 | 76.9 | | | | | | | | | | |
| 44260.0 | 49310.0 | 0.383 | 196.3 | -18.6 | -2.96 | 1.392 | 87.6 | 0.907 | 10.540 | 5.1 | 175.9 | 0.982D | 20.097A | 3.53 | 0.084 | 123.9 | 173.4 | -48.5 | 0.158 |
| | | 8.08 | 4.59 | 12.67 | ONE | 20.195 | 191.1 | 54.2 | 76.2 | | | | | | | | | | |
| 44270.0 | 49310.0 | 0.403 | 192.6 | -10.7 | -1.42 | 1.391 | 82.7 | 0.908 | 10.531 | 15.3 | 176.0 | 0.969D | 20.094A | 1.95 | 0.084 | 124.0 | 172.4 | -48.3 | 0.158 |
| | | 8.50 | 4.59 | 13.09 | ONE | 20.195 | 191.1 | 54.2 | 76.3 | | | | | | | | | | |

1979
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 49310.0 | 0.446 | 189.3 | -7.2 | -0.96 | 1.390 | 77.8 | 0.911 | 10.513 | 25.5 | 176.1 | 0.941D | 20.085A | 1.45 | 0.083 | 124.2 | 172.1 | -48.0 | 0.159 |
| | | 9.48 | 4.60 | 14.08 | ONE | 20.195 | 191.1 | 54.2 | 76.5 | | | | | | | | | | |
| 44290.0 | 49310.0 | 0.506 | 187.9 | -5.5 | -0.74 | 1.388 | 72.9 | 0.914 | 10.486 | 35.8 | 176.2 | 0.900D | 20.072A | 1.18 | 0.081 | 124.4 | 172.0 | -47.7 | 0.160 |
| | | 10.87 | 4.61 | 15.49 | ONE | 20.195 | 191.1 | 54.2 | 76.8 | | | | | | | | | | |
| 44300.0 | 49310.0 | 0.576 | 188.2 | -5.1 | -0.62 | 1.386 | 68.0 | 0.919 | 10.450 | 46.0 | 176.4 | 0.846D | 20.054A | 1.01 | 0.079 | 124.7 | 172.0 | -47.2 | 0.162 |
| | | 12.59 | 4.63 | 17.22 | ONE | 20.195 | 191.1 | 54.2 | 77.2 | | | | | | | | | | |
| ARRIVAL DATE = 2449510.0 | | | | | | | | | | | | | | | | | | | |
| 44210.0 | 49510.0 | 0.585 | 219.8 | -13.9 | 0.71 | 1.390 | 112.3 | 0.919 | 10.360 | 313.4 | 537.4 | 0.838 | 19.882A | 0.08 | 0.072 | 117.1 | 172.0 | -45.3 | 0.160 |
| | | 12.82 | 4.61 | 17.43 | TWO | 18.865 | 190.2 | 52.1 | 81.4 | | | | | | | | | | |
| 44220.0 | 49510.0 | 0.516 | 220.8 | -13.4 | 0.89 | 1.391 | 107.5 | 0.914 | 10.397 | 323.3 | 537.2 | 0.892 | 19.902A | -0.14 | 0.075 | 117.3 | 171.7 | -45.8 | 0.158 |
| | | 11.12 | 4.59 | 15.71 | TWO | 18.865 | 190.2 | 52.1 | 80.8 | | | | | | | | | | |
| 44230.0 | 49510.0 | 0.457 | 220.0 | -11.8 | 1.23 | 1.392 | 102.7 | 0.910 | 10.426 | 333.4 | 537.0 | 0.934 | 19.918A | -0.53 | 0.077 | 117.4 | 171.3 | -46.3 | 0.157 |
| | | 9.71 | 4.58 | 14.29 | TWO | 18.865 | 190.2 | 52.1 | 80.4 | | | | | | | | | | |
| 44240.0 | 49510.0 | 0.411 | 217.7 | -7.4 | 2.11 | 1.392 | 97.9 | 0.908 | 10.447 | 343.4 | 536.9 | 0.964 | 19.931A | -1.46 | 0.078 | 117.6 | 170.7 | -46.9 | 0.156 |
| | | 8.69 | 4.57 | 13.26 | TWO | 18.865 | 190.2 | 52.1 | 80.0 | | | | | | | | | | |
| 44250.0 | 49510.0 | 0.420 | 220.2 | 15.4 | 8.54 | 1.392 | 93.1 | 0.906 | 10.459 | 353.5 | 536.8 | 0.980 | 19.939A | -7.93 | 0.079 | 117.7 | 166.6 | -46.0 | 0.156 |
| | | 8.89 | 4.57 | 13.46 | TWO | 18.865 | 190.2 | 52.1 | 79.9 | | | | | | | | | | |
| 44260.0 | 49510.0 | 0.386 | 196.8 | -23.3 | -4.10 | 1.392 | 88.2 | 0.906 | 10.462 | 3.7 | 176.8 | 0.983D | 19.942A | 4.67 | 0.079 | 117.8 | 174.5 | -47.3 | 0.156 |
| | | 8.14 | 4.57 | 12.71 | ONE | 18.865 | 190.2 | 52.1 | 79.8 | | | | | | | | | | |
| 44270.0 | 49510.0 | 0.399 | 194.2 | -12.4 | -1.68 | 1.391 | 83.4 | 0.907 | 10.456 | 13.9 | 176.8 | 0.971D | 19.940A | 2.20 | 0.078 | 117.9 | 172.9 | -47.0 | 0.156 |
| | | 8.41 | 4.57 | 12.97 | ONE | 18.865 | 190.2 | 52.1 | 79.8 | | | | | | | | | | |
| 44280.0 | 49510.0 | 0.439 | 190.9 | -8.3 | -1.08 | 1.390 | 78.5 | 0.909 | 10.440 | 24.1 | 176.9 | 0.946D | 19.934A | 1.55 | 0.077 | 118.0 | 172.5 | -46.8 | 0.157 |
| | | 9.31 | 4.58 | 13.89 | ONE | 18.865 | 190.2 | 52.1 | 80.0 | | | | | | | | | | |
| 44290.0 | 49510.0 | 0.496 | 189.2 | -6.4 | -0.81 | 1.388 | 73.6 | 0.913 | 10.415 | 34.3 | 177.0 | 0.906D | 19.924A | 1.24 | 0.076 | 118.1 | 172.4 | -46.5 | 0.158 |
| | | 10.65 | 4.59 | 15.24 | ONE | 18.865 | 190.2 | 52.1 | 80.3 | | | | | | | | | | |
| 44300.0 | 49510.0 | 0.565 | 189.4 | -5.7 | -0.67 | 1.386 | 68.7 | 0.918 | 10.383 | 44.6 | 177.2 | 0.855D | 19.912A | 1.05 | 0.074 | 118.2 | 172.4 | -46.1 | 0.160 |
| | | 12.32 | 4.61 | 16.92 | ONE | 18.865 | 190.2 | 52.1 | 80.6 | | | | | | | | | | |
| 44310.0 | 49510.0 | 0.641 | 191.0 | -6.0 | -0.59 | 1.384 | 63.8 | 0.923 | 10.344 | 54.8 | 177.4 | 0.792D | 19.896A | 0.91 | 0.071 | 118.5 | 172.4 | -45.7 | 0.162 |
| | | 14.24 | 4.63 | 18.87 | ONE | 18.865 | 190.2 | 52.1 | 81.1 | | | | | | | | | | |
| ARRIVAL DATE = 2449710.0 | | | | | | | | | | | | | | | | | | | |
| 44210.0 | 49710.0 | 0.596 | 221.0 | -14.3 | 0.71 | 1.390 | 113.0 | 0.920 | 10.313 | 311.9 | 538.2 | 0.829 | 19.797A | 0.08 | 0.068 | 110.1 | 172.3 | -44.2 | 0.159 |
| | | 13.10 | 4.60 | 17.70 | TWO | 20.578 | 189.5 | 49.9 | 84.7 | | | | | | | | | | |
| 44220.0 | 49710.0 | 0.526 | 222.2 | -13.9 | 0.88 | 1.391 | 108.2 | 0.915 | 10.348 | 321.9 | 538.0 | 0.884 | 19.811A | -0.13 | 0.071 | 110.5 | 172.0 | -44.7 | 0.157 |
| | | 11.36 | 4.58 | 15.94 | TWO | 20.578 | 189.5 | 49.9 | 84.2 | | | | | | | | | | |
| 44230.0 | 49710.0 | 0.464 | 221.7 | -12.5 | 1.18 | 1.392 | 103.4 | 0.911 | 10.376 | 331.9 | 537.8 | 0.929 | 19.823A | -0.49 | 0.072 | 110.8 | 171.7 | -45.1 | 0.156 |
| | | 9.89 | 4.56 | 14.46 | TWO | 20.578 | 189.5 | 49.9 | 83.7 | | | | | | | | | | |
| 44240.0 | 49710.0 | 0.417 | 219.5 | -8.8 | 1.91 | 1.392 | 98.6 | 0.908 | 10.396 | 342.0 | 537.7 | 0.960 | 19.832A | -1.26 | 0.074 | 111.1 | 171.1 | -45.4 | 0.155 |
| | | 8.80 | 4.55 | 13.36 | TWO | 20.578 | 189.5 | 49.9 | 83.4 | | | | | | | | | | |
| 44250.0 | 49710.0 | 0.399 | 218.5 | 4.9 | 5.35 | 1.392 | 93.7 | 0.906 | 10.408 | 352.1 | 537.7 | 0.979 | 19.838A | -4.75 | 0.074 | 111.3 | 168.9 | -45.2 | 0.154 |
| | | 8.43 | 4.55 | 12.98 | TWO | 20.578 | 189.5 | 49.9 | 83.2 | | | | | | | | | | |
| 44260.0 | 49710.0 | 0.398 | 195.7 | -31.3 | -6.32 | 1.392 | 88.9 | 0.906 | 10.412 | 2.3 | 177.6 | 0.984D | 19.840A | 6.87 | 0.075 | 111.4 | 176.2 | -46.3 | 0.155 |
| | | 8.39 | 4.55 | 12.95 | ONE | 20.578 | 189.5 | 49.9 | 83.1 | | | | | | | | | | |
| 44270.0 | 49710.0 | 0.395 | 195.9 | -14.4 | -2.01 | 1.391 | 84.1 | 0.906 | 10.407 | 12.5 | 177.7 | 0.974D | 19.840A | 2.52 | 0.074 | 111.4 | 173.4 | -46.0 | 0.154 |
| | | 8.32 | 4.55 | 12.87 | ONE | 20.578 | 189.5 | 49.9 | 83.1 | | | | | | | | | | |
| 44280.0 | 49710.0 | 0.432 | 192.5 | -9.6 | -1.22 | 1.389 | 79.2 | 0.909 | 10.393 | 22.7 | 177.7 | 0.950D | 19.836A | 1.68 | 0.074 | 111.4 | 172.9 | -45.7 | 0.155 |
| | | 9.15 | 4.56 | 13.71 | ONE | 20.578 | 189.5 | 49.9 | 83.3 | | | | | | | | | | |
| 44290.0 | 49710.0 | 0.487 | 190.7 | -7.3 | -0.90 | 1.388 | 74.3 | 0.912 | 10.371 | 32.9 | 177.8 | 0.913D | 19.830A | 1.31 | 0.072 | 111.4 | 172.7 | -45.5 | 0.156 |
| | | 10.43 | 4.57 | 15.00 | ONE | 20.578 | 189.5 | 49.9 | 83.5 | | | | | | | | | | |
| 44300.0 | 49710.0 | 0.554 | 190.6 | -6.4 | -0.73 | 1.386 | 69.5 | 0.917 | 10.342 | 43.1 | 177.9 | 0.863D | 19.821A | 1.09 | 0.070 | 111.4 | 172.7 | -45.1 | 0.158 |
| | | 12.05 | 4.59 | 16.63 | ONE | 20.578 | 189.5 | 49.9 | 83.9 | | | | | | | | | | |
| 44310.0 | 49710.0 | 0.628 | 192.0 | -6.5 | -0.63 | 1.384 | 64.5 | 0.922 | 10.306 | 53.2 | 178.1 | 0.802D | 19.810A | 0.94 | 0.068 | 111.4 | 172.6 | -44.7 | 0.160 |
| | | 13.93 | 4.61 | 18.54 | ONE | 20.578 | 189.5 | 49.9 | 84.3 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2445780.0 | | | | | | | | | | | |
| 44630.0 | 45780.0 | 0.631 | 219.7 | -15.3 | 0.06 | 1.643 | 92.4 | 1.658 | -1.495 | 356.1 | 481.4 | 0.983 | NA | 0.74 | 0.880 | 174.4 | 153.7 | -72.8 | 0.877 |
| | | 13.99 | 20.04 | 34.03 | ONE | 18.682 | 306.7 | 80.2 | 9.5 | | | | | | | | | | |
| 44640.0 | 45780.0 | 0.635 | 213.9 | -13.4 | 0.05 | 1.644 | 86.1 | 1.663 | -1.482 | 6.2 | 121.2 | 0.982D | NA | 0.75 | 0.883 | 174.5 | 153.6 | -72.8 | 0.881 |
| | | 14.08 | 20.13 | 34.22 | ONE | 18.682 | 306.7 | 80.2 | 9.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445880.0 | | | | | | | | | | | |
| 44610.0 | 45880.0 | 0.644 | 224.8 | -16.9 | 0.05 | 1.598 | 102.5 | 1.490 | -1.927 | 339.2 | 486.0 | 0.945 | NA | 0.73 | 0.790 | 174.1 | 154.0 | -72.6 | 0.790 |
| | | 14.32 | 17.72 | 32.04 | ONE | 18.092 | 300.6 | 80.9 | 10.9 | | | | | | | | | | |
| 44620.0 | 45880.0 | 0.604 | 221.3 | -15.9 | 0.04 | 1.600 | 96.8 | 1.511 | -1.902 | 348.6 | 485.2 | 0.972 | NA | 0.74 | 0.794 | 174.1 | 153.7 | -72.8 | 0.793 |
| | | 13.30 | 17.82 | 31.12 | ONE | 18.092 | 300.6 | 80.9 | 10.8 | | | | | | | | | | |
| 44630.0 | 45880.0 | 0.586 | 216.1 | -14.2 | 0.04 | 1.601 | 91.0 | 1.523 | -1.883 | 358.4 | 484.8 | 0.984 | NA | 0.75 | 0.798 | 174.0 | 153.6 | -72.9 | 0.796 |
| | | 12.85 | 17.90 | 30.75 | ONE | 18.092 | 300.6 | 80.9 | 10.7 | | | | | | | | | | |
| 44640.0 | 45880.0 | 0.596 | 210.1 | -12.2 | 0.03 | 1.601 | 84.8 | 1.524 | -1.868 | 8.5 | 124.8 | 0.979D | NA | 0.76 | 0.800 | 174.1 | 153.6 | -72.9 | 0.799 |
| | | 13.10 | 17.97 | 31.07 | ONE | 18.092 | 300.6 | 80.9 | 10.6 | | | | | | | | | | |
| 44650.0 | 45880.0 | 0.636 | 204.6 | -10.1 | 0.03 | 1.601 | 78.5 | 1.514 | -1.857 | 19.1 | 125.2 | 0.955D | NA | 0.76 | 0.802 | 174.2 | 153.7 | -72.8 | 0.801 |
| | | 14.13 | 18.03 | 32.16 | ONE | 18.092 | 300.6 | 80.9 | 10.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2445980.0 | | | | | | | | | | | |
| 44610.0 | 45980.0 | 0.599 | 222.3 | -16.2 | 0.03 | 1.565 | 101.0 | 1.395 | -2.410 | 341.1 | 489.1 | 0.953 | NA | 0.75 | 0.721 | 173.7 | 153.9 | -72.7 | 0.722 |
| | | 13.19 | 15.97 | 29.16 | ONE | 19.549 | 293.7 | 81.4 | 12.0 | | | | | | | | | | |
| 44620.0 | 45980.0 | 0.564 | 218.3 | -15.0 | 0.02 | 1.566 | 95.5 | 1.410 | -2.381 | 350.7 | 488.4 | 0.976 | NA | 0.76 | 0.725 | 173.6 | 153.7 | -72.8 | 0.725 |
| | | 12.29 | 16.05 | 28.34 | ONE | 19.549 | 293.7 | 81.4 | 11.9 | | | | | | | | | | |
| 44630.0 | 45980.0 | 0.551 | 212.7 | -13.1 | 0.02 | 1.567 | 89.7 | 1.417 | -2.359 | 0.5 | 128.1 | 0.985D | NA | 0.76 | 0.727 | 173.6 | 153.6 | -72.9 | 0.728 |
| | | 11.98 | 16.11 | 28.10 | ONE | 19.549 | 293.7 | 81.4 | 11.8 | | | | | | | | | | |
| 44640.0 | 45980.0 | 0.567 | 206.6 | -11.0 | 0.02 | 1.567 | 83.7 | 1.416 | -2.343 | 10.8 | 128.2 | 0.976D | NA | 0.77 | 0.729 | 173.6 | 153.6 | -72.9 | 0.730 |
| | | 12.38 | 16.17 | 28.55 | ONE | 19.549 | 293.7 | 81.4 | 11.8 | | | | | | | | | | |
| 44650.0 | 45980.0 | 0.612 | 201.3 | -8.9 | 0.01 | 1.566 | 77.5 | 1.407 | -2.332 | 21.4 | 128.7 | 0.948D | NA | 0.77 | 0.731 | 173.8 | 153.7 | -72.8 | 0.731 |
| | | 13.52 | 16.21 | 29.73 | ONE | 19.549 | 293.7 | 81.4 | 11.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446080.0 | | | | | | | | | | | |
| 44600.0 | 46080.0 | 0.612 | 222.3 | -16.3 | -0.01 | 1.537 | 105.0 | 1.303 | -3.052 | 333.6 | 493.0 | 0.925 | NA | 0.78 | 0.658 | 173.3 | 154.2 | -72.6 | 0.661 |
| | | 13.51 | 14.42 | 27.93 | ONE | 19.808 | 286.0 | 81.8 | 13.4 | | | | | | | | | | |
| 44610.0 | 46080.0 | 0.563 | 219.9 | -15.6 | -0.00 | 1.538 | 99.7 | 1.319 | -3.008 | 342.9 | 492.1 | 0.959 | NA | 0.78 | 0.661 | 173.2 | 153.9 | -72.7 | 0.664 |
| | | 12.28 | 14.49 | 26.78 | ONE | 19.808 | 286.0 | 81.8 | 13.2 | | | | | | | | | | |
| 44620.0 | 46080.0 | 0.532 | 215.5 | -14.1 | -0.00 | 1.539 | 94.3 | 1.329 | -2.974 | 352.5 | 491.5 | 0.979 | NA | 0.78 | 0.664 | 173.1 | 153.7 | -72.9 | 0.666 |
| | | 11.51 | 14.56 | 26.06 | ONE | 19.808 | 286.0 | 81.8 | 13.1 | | | | | | | | | | |
| 44630.0 | 46080.0 | 0.525 | 209.6 | -12.1 | -0.00 | 1.540 | 88.6 | 1.334 | -2.948 | 2.5 | 131.2 | 0.984D | NA | 0.77 | 0.667 | 173.1 | 153.6 | -72.9 | 0.668 |
| | | 11.33 | 14.61 | 25.94 | ONE | 19.808 | 286.0 | 81.8 | 13.0 | | | | | | | | | | |
| 44640.0 | 46080.0 | 0.546 | 203.5 | -9.8 | -0.00 | 1.539 | 82.7 | 1.332 | -2.930 | 12.8 | 131.4 | 0.972D | NA | 0.77 | 0.668 | 173.2 | 153.6 | -72.9 | 0.670 |
| | | 11.84 | 14.65 | 26.49 | ONE | 19.808 | 286.0 | 81.8 | 13.0 | | | | | | | | | | |
| 44650.0 | 46080.0 | 0.595 | 198.4 | -7.8 | -0.00 | 1.539 | 76.6 | 1.322 | -2.920 | 23.5 | 132.0 | 0.941D | NA | 0.77 | 0.669 | 173.3 | 153.7 | -72.8 | 0.671 |
| | | 13.07 | 14.69 | 27.76 | ONE | 19.808 | 286.0 | 81.8 | 13.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446180.0 | | | | | | | | | | | |
| 44590.0 | 46180.0 | 0.637 | 221.1 | -16.2 | -0.11 | 1.513 | 108.8 | 1.230 | -3.883 | 326.0 | 496.8 | 0.891 | NA | 0.88 | 0.602 | 172.9 | 154.6 | -72.3 | 0.607 |
| | | 14.15 | 13.10 | 27.25 | ONE | 18.318 | 277.8 | 82.0 | 14.8 | | | | | | | | | | |
| 44600.0 | 46180.0 | 0.580 | 220.5 | -15.9 | -0.05 | 1.515 | 103.8 | 1.245 | -3.814 | 335.1 | 495.7 | 0.933 | NA | 0.82 | 0.606 | 172.8 | 154.2 | -72.6 | 0.610 |
| | | 12.69 | 13.17 | 25.86 | ONE | 18.318 | 277.8 | 82.0 | 14.6 | | | | | | | | | | |
| 44610.0 | 46180.0 | 0.534 | 217.7 | -15.0 | -0.04 | 1.517 | 98.6 | 1.256 | -3.759 | 344.5 | 494.8 | 0.963 | NA | 0.80 | 0.609 | 172.7 | 153.9 | -72.7 | 0.613 |
| | | 11.55 | 13.24 | 24.79 | ONE | 18.318 | 277.8 | 82.0 | 14.4 | | | | | | | | | | |
| 44620.0 | 46180.0 | 0.506 | 212.9 | -13.3 | -0.03 | 1.517 | 93.2 | 1.264 | -3.717 | 354.2 | 494.3 | 0.981 | NA | 0.79 | 0.612 | 172.7 | 153.7 | -72.9 | 0.615 |
| | | 10.89 | 13.29 | 24.17 | ONE | 18.318 | 277.8 | 82.0 | 14.3 | | | | | | | | | | |
| 44630.0 | 46180.0 | 0.504 | 206.7 | -11.1 | -0.02 | 1.517 | 87.6 | 1.267 | -3.687 | 4.2 | 134.2 | 0.983D | NA | 0.79 | 0.613 | 172.7 | 153.6 | -72.9 | 0.616 |
| | | 10.82 | 13.33 | 24.15 | ONE | 18.318 | 277.8 | 82.0 | 14.2 | | | | | | | | | | |
| 44640.0 | 46180.0 | 0.529 | 200.7 | -8.8 | -0.02 | 1.517 | 81.8 | 1.264 | -3.668 | 14.6 | 134.4 | 0.968D | NA | 0.78 | 0.614 | 172.7 | 153.7 | -72.9 | 0.618 |
| | | 11.44 | 13.36 | 24.80 | ONE | 18.318 | 277.8 | 82.0 | 14.2 | | | | | | | | | | |
| 44650.0 | 46180.0 | 0.582 | 195.9 | -6.8 | -0.02 | 1.516 | 75.8 | 1.255 | -3.658 | 25.4 | 135.1 | 0.935D | NA | 0.78 | 0.615 | 172.9 | 153.8 | -72.8 | 0.619 |
| | | 12.75 | 13.39 | 26.14 | ONE | 18.318 | 277.8 | 82.0 | 14.3 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446280.0 | | | | | | | | | | | |
| 44590.0 | 46280.0 | 0.609 | 219.6 | -16.1 | -0.24 | 1.496 | 107.8 | 1.184 | -4.877 | 327.3 | 499.2 | 0.900 | NA | 1.01 | 0.557 | 172.4 | 154.8 | -72.3 | 0.563 |
| | | 13.42 | 12.04 | 25.46 | ONE | 18.495 | 269.2 | 82.1 | 16.1 | | | | | | | | | | |
| 44600.0 | 46280.0 | 0.553 | 218.7 | -15.5 | -0.11 | 1.498 | 102.8 | 1.196 | -4.787 | 336.5 | 498.2 | 0.939 | NA | 0.88 | 0.560 | 172.3 | 154.3 | -72.5 | 0.566 |
| | | 12.02 | 12.11 | 24.13 | ONE | 18.495 | 269.2 | 82.1 | 15.8 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I I LEG | V I CDIST | PSI I RAS | ECCEN DECLS | SMA LAMDA | THETI | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44610.0 | 46280.0 | 0.510 | 215.6 | -14.4 | -0.07 | 1.499 | 97.7 | 1.205 | -4.717 | 346.0 | 497.5 | 0.967 | NA | 0.84 | 0.563 | 172.2 | 154.0 | -72.7 | 0.568 |
| | | 10.97 | 12.16 | 23.12 | ONE | 18.495 | 269.2 | 82.1 | 15.6 | | | | | | | | | | |
| 44620.0 | 46280.0 | 0.486 | 210.4 | -12.6 | -0.05 | 1.499 | 92.3 | 1.211 | -4.665 | 355.7 | 497.1 | 0.982 | NA | 0.81 | 0.565 | 172.1 | 153.8 | -72.8 | 0.570 |
| | | 10.40 | 12.20 | 22.60 | ONE | 18.495 | 269.2 | 82.1 | 15.5 | | | | | | | | | | |
| 44630.0 | 46280.0 | 0.487 | 204.2 | -10.2 | -0.05 | 1.499 | 86.8 | 1.212 | -4.629 | 5.8 | 137.0 | 0.982D | NA | 0.80 | 0.566 | 172.2 | 153.7 | -72.9 | 0.571 |
| | | 10.43 | 12.23 | 22.67 | ONE | 18.495 | 269.2 | 82.1 | 15.4 | | | | | | | | | | |
| 44640.0 | 46280.0 | 0.517 | 198.2 | -7.8 | -0.04 | 1.499 | 81.1 | 1.209 | -4.609 | 16.3 | 137.3 | 0.964D | NA | 0.79 | 0.567 | 172.2 | 153.8 | -72.8 | 0.572 |
| | | 11.14 | 12.26 | 23.40 | ONE | 18.495 | 269.2 | 82.1 | 15.5 | | | | | | | | | | |
| 44650.0 | 46280.0 | 0.572 | 193.8 | -6.0 | -0.04 | 1.497 | 75.2 | 1.202 | -4.602 | 27.1 | 138.0 | 0.929D | NA | 0.79 | 0.568 | 172.4 | 154.0 | -72.7 | 0.573 |
| | | 12.50 | 12.28 | 24.78 | ONE | 18.495 | 269.2 | 82.1 | 15.6 | | | | | | | | | | |
| 44660.0 | 46280.0 | 0.648 | 191.2 | -4.9 | -0.03 | 1.496 | 69.1 | 1.190 | -4.605 | 38.3 | 139.1 | 0.874D | NA | 0.78 | 0.567 | 172.7 | 154.3 | -72.5 | 0.574 |
| | | 14.44 | 12.30 | 26.74 | ONE | 18.495 | 269.2 | 82.1 | 15.9 | | | | | | | | | | |
| ARRIVAL DATE = 2446380.0 | | | | | | | | | | | | | | | | | | | |
| 44580.0 | 46380.0 | 0.647 | 218.6 | -13.2 | 0.88 | 1.479 | 111.6 | 1.136 | -6.331 | 319.5 | 502.7 | 0.860 | NA | -0.11 | 0.513 | 172.0 | 154.9 | -71.9 | 0.521 |
| | | 14.40 | 11.07 | 25.47 | TWO | 19.965 | 260.6 | 82.0 | 17.7 | | | | | | | | | | |
| 44590.0 | 46380.0 | 0.585 | 218.3 | -16.1 | -0.42 | 1.481 | 106.9 | 1.147 | -6.181 | 328.5 | 501.6 | 0.906 | NA | 1.18 | 0.516 | 171.9 | 155.0 | -72.3 | 0.524 |
| | | 12.81 | 11.13 | 23.95 | ONE | 19.965 | 260.6 | 82.0 | 17.3 | | | | | | | | | | |
| 44600.0 | 46380.0 | 0.530 | 217.2 | -15.2 | -0.17 | 1.483 | 102.0 | 1.156 | -6.061 | 337.7 | 500.6 | 0.944 | NA | 0.93 | 0.519 | 171.7 | 154.5 | -72.5 | 0.526 |
| | | 11.47 | 11.19 | 22.65 | ONE | 19.965 | 260.6 | 82.0 | 17.1 | | | | | | | | | | |
| 44610.0 | 46380.0 | 0.490 | 213.7 | -13.9 | -0.11 | 1.484 | 96.9 | 1.163 | -5.969 | 347.3 | 500.0 | 0.970 | NA | 0.87 | 0.522 | 171.6 | 154.2 | -72.7 | 0.528 |
| | | 10.49 | 11.23 | 21.72 | ONE | 19.965 | 260.6 | 82.0 | 16.9 | | | | | | | | | | |
| 44620.0 | 46380.0 | 0.469 | 208.2 | -11.9 | -0.08 | 1.484 | 91.6 | 1.167 | -5.902 | 357.1 | 499.6 | 0.983 | NA | 0.84 | 0.524 | 171.6 | 154.0 | -72.8 | 0.530 |
| | | 10.00 | 11.26 | 21.27 | ONE | 19.965 | 260.6 | 82.0 | 16.8 | | | | | | | | | | |
| 44630.0 | 46380.0 | 0.474 | 201.9 | -9.4 | -0.07 | 1.484 | 86.1 | 1.167 | -5.860 | 7.2 | 139.6 | 0.980D | NA | 0.82 | 0.525 | 171.6 | 153.9 | -72.8 | 0.531 |
| | | 10.13 | 11.29 | 21.42 | ONE | 19.965 | 260.6 | 82.0 | 16.7 | | | | | | | | | | |
| 44640.0 | 46380.0 | 0.507 | 196.1 | -7.0 | -0.06 | 1.483 | 80.5 | 1.165 | -5.839 | 17.7 | 139.9 | 0.961D | NA | 0.80 | 0.525 | 171.7 | 154.0 | -72.7 | 0.532 |
| | | 10.91 | 11.31 | 22.22 | ONE | 19.965 | 260.6 | 82.0 | 16.8 | | | | | | | | | | |
| 44650.0 | 46380.0 | 0.565 | 191.9 | -5.3 | -0.05 | 1.482 | 74.6 | 1.158 | -5.837 | 28.6 | 140.7 | 0.923D | NA | 0.79 | 0.525 | 171.9 | 154.2 | -72.6 | 0.532 |
| | | 12.32 | 11.33 | 23.65 | ONE | 19.965 | 260.6 | 82.0 | 16.9 | | | | | | | | | | |
| 44660.0 | 46380.0 | 0.642 | 189.7 | -4.3 | -0.05 | 1.480 | 68.7 | 1.148 | -5.850 | 39.8 | 141.8 | 0.867D | NA | 0.78 | 0.525 | 172.2 | 154.6 | -72.3 | 0.533 |
| | | 14.27 | 11.35 | 25.62 | ONE | 19.965 | 260.6 | 82.0 | 17.2 | | | | | | | | | | |
| ARRIVAL DATE = 2446480.0 | | | | | | | | | | | | | | | | | | | |
| 44580.0 | 46480.0 | 0.626 | 217.7 | -12.9 | 0.85 | 1.467 | 110.8 | 1.106 | -8.162 | 320.4 | 504.9 | 0.867 | NA | -0.08 | 0.477 | 171.5 | 155.1 | -71.8 | 0.487 |
| | | 13.85 | 10.29 | 24.15 | TWO | 19.471 | 252.5 | 81.7 | 19.0 | | | | | | | | | | |
| 44590.0 | 46480.0 | 0.564 | 217.0 | -16.4 | -0.66 | 1.469 | 106.1 | 1.115 | -7.951 | 329.5 | 503.8 | 0.912 | NA | 1.43 | 0.480 | 171.3 | 155.3 | -72.2 | 0.489 |
| | | 12.30 | 10.34 | 22.65 | ONE | 19.471 | 252.5 | 81.7 | 18.6 | | | | | | | | | | |
| 44600.0 | 46480.0 | 0.512 | 215.7 | -14.9 | -0.24 | 1.470 | 101.2 | 1.122 | -7.784 | 338.8 | 502.9 | 0.948 | NA | 1.00 | 0.483 | 171.2 | 154.7 | -72.4 | 0.491 |
| | | 11.01 | 10.39 | 21.40 | ONE | 19.471 | 252.5 | 81.7 | 18.3 | | | | | | | | | | |
| 44610.0 | 46480.0 | 0.473 | 211.9 | -13.4 | -0.15 | 1.471 | 96.1 | 1.127 | -7.658 | 348.4 | 502.3 | 0.973 | NA | 0.90 | 0.485 | 171.1 | 154.4 | -72.6 | 0.493 |
| | | 10.10 | 10.43 | 20.52 | ONE | 19.471 | 252.5 | 81.7 | 18.2 | | | | | | | | | | |
| 44620.0 | 46480.0 | 0.456 | 206.2 | -11.2 | -0.11 | 1.471 | 90.9 | 1.130 | -7.570 | 358.3 | 502.0 | 0.983 | NA | 0.86 | 0.487 | 171.0 | 154.2 | -72.6 | 0.494 |
| | | 9.69 | 10.45 | 20.14 | ONE | 19.471 | 252.5 | 81.7 | 18.1 | | | | | | | | | | |
| 44630.0 | 46480.0 | 0.464 | 199.8 | -8.7 | -0.09 | 1.471 | 85.5 | 1.130 | -7.517 | 8.5 | 142.0 | 0.979D | NA | 0.83 | 0.487 | 171.1 | 154.2 | -72.7 | 0.495 |
| | | 9.89 | 10.48 | 20.36 | ONE | 19.471 | 252.5 | 81.7 | 18.0 | | | | | | | | | | |
| 44640.0 | 46480.0 | 0.500 | 194.2 | -6.3 | -0.08 | 1.470 | 79.9 | 1.128 | -7.497 | 19.0 | 142.4 | 0.957D | NA | 0.81 | 0.488 | 171.2 | 154.3 | -72.6 | 0.496 |
| | | 10.72 | 10.49 | 21.22 | ONE | 19.471 | 252.5 | 81.7 | 18.1 | | | | | | | | | | |
| 44650.0 | 46480.0 | 0.559 | 190.3 | -4.6 | -0.07 | 1.469 | 74.2 | 1.122 | -7.504 | 29.9 | 143.1 | 0.918D | NA | 0.80 | 0.488 | 171.4 | 154.5 | -72.4 | 0.497 |
| | | 12.17 | 10.51 | 22.68 | ONE | 19.471 | 252.5 | 81.7 | 18.3 | | | | | | | | | | |
| 44660.0 | 46480.0 | 0.637 | 188.4 | -3.8 | -0.07 | 1.467 | 68.3 | 1.114 | -7.534 | 41.1 | 144.3 | 0.861D | NA | 0.79 | 0.487 | 171.7 | 154.9 | -72.2 | 0.497 |
| | | 14.14 | 10.52 | 24.66 | ONE | 19.471 | 252.5 | 81.7 | 18.6 | | | | | | | | | | |
| ARRIVAL DATE = 2446580.0 | | | | | | | | | | | | | | | | | | | |
| 44580.0 | 46580.0 | 0.608 | 217.0 | -12.6 | 0.84 | 1.457 | 110.2 | 1.081 | -10.781 | 321.2 | 506.9 | 0.873 | NA | -0.06 | 0.444 | 170.9 | 155.3 | -71.6 | 0.456 |
| | | 13.39 | 9.61 | 23.01 | TWO | 18.148 | 245.0 | 81.3 | 20.3 | | | | | | | | | | |
| 44590.0 | 46580.0 | 0.547 | 215.7 | -17.0 | -1.03 | 1.459 | 105.4 | 1.088 | -10.464 | 330.4 | 505.8 | 0.917 | NA | 1.80 | 0.447 | 170.7 | 155.7 | -72.1 | 0.458 |
| | | 11.88 | 9.66 | 21.54 | ONE | 18.148 | 245.0 | 81.3 | 20.0 | | | | | | | | | | |
| 44600.0 | 46580.0 | 0.496 | 214.4 | -14.7 | -0.32 | 1.460 | 100.6 | 1.093 | -10.218 | 339.8 | 505.0 | 0.952 | NA | 1.08 | 0.450 | 170.6 | 155.0 | -72.3 | 0.460 |
| | | 10.63 | 9.70 | 20.33 | ONE | 18.148 | 245.0 | 81.3 | 19.7 | | | | | | | | | | |
| 44610.0 | 46580.0 | 0.459 | 210.3 | -13.0 | -0.19 | 1.461 | 95.5 | 1.097 | -10.037 | 349.4 | 504.5 | 0.975 | NA | 0.94 | 0.452 | 170.5 | 154.6 | -72.4 | 0.461 |
| | | 9.78 | 9.73 | 19.50 | ONE | 18.148 | 245.0 | 81.3 | 19.5 | | | | | | | | | | |
| 44620.0 | 46580.0 | 0.445 | 204.5 | -10.7 | -0.14 | 1.461 | 90.3 | 1.099 | -9.915 | 359.4 | 504.3 | 0.984 | NA | 0.88 | 0.453 | 170.5 | 154.5 | -72.5 | 0.462 |
| | | 9.43 | 9.75 | 19.18 | ONE | 18.148 | 245.0 | 81.3 | 19.4 | | | | | | | | | | |
| 44630.0 | 46580.0 | 0.456 | 198.1 | -8.1 | -0.12 | 1.460 | 85.0 | 1.099 | -9.847 | 9.6 | 144.3 | 0.977D | NA | 0.85 | 0.454 | 170.5 | 154.4 | -72.5 | 0.463 |
| | | 9.69 | 9.77 | 19.46 | ONE | 18.148 | 245.0 | 81.3 | 19.4 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44640.0 | 46580.0 | 0.494 | 192.6 | -5.7 | -0.10 | 1.460 | 79.5 | 1.097 | -9.828 | 20.2 | 144.7 | 0.954D | NA | 0.83 | 0.454 | 170.6 | 154.6 | -72.4 | 0.464 |
| | | 10.58 | 9.78 | 20.36 | ONE | 18.148 | 245.0 | 81.3 | 19.5 | | | | | | | | | | |
| 44650.0 | 46580.0 | 0.554 | 189.0 | -4.1 | -0.09 | 1.458 | 73.8 | 1.093 | -9.854 | 31.0 | 145.5 | 0.914D | NA | 0.81 | 0.454 | 170.8 | 154.8 | -72.2 | 0.464 |
| | | 12.05 | 9.79 | 21.85 | ONE | 18.148 | 245.0 | 81.3 | 19.7 | | | | | | | | | | |
| 44660.0 | 46580.0 | 0.632 | 187.3 | -3.4 | -0.08 | 1.457 | 68.0 | 1.086 | -9.915 | 42.2 | 146.6 | 0.856D | NA | 0.79 | 0.453 | 171.1 | 155.2 | -72.0 | 0.465 |
| | | 14.02 | 9.81 | 23.83 | ONE | 18.148 | 245.0 | 81.3 | 20.0 | | | | | | | | | | |
| ARRIVAL DATE = 2446680.0 | | | | | | | | | | | | | | | | | | | |
| 44580.0 | 46680.0 | 0.592 | 216.3 | -12.4 | 0.82 | 1.448 | 109.6 | 1.059 | -14.793 | 322.0 | 508.8 | 0.878 | NA | -0.05 | 0.415 | 170.3 | 155.6 | -71.4 | 0.428 |
| | | 13.01 | 9.02 | 22.03 | TWO | 19.045 | 238.3 | 80.8 | 21.7 | | | | | | | | | | |
| 44590.0 | 46680.0 | 0.533 | 214.2 | -18.3 | -1.66 | 1.450 | 104.9 | 1.065 | -14.278 | 331.2 | 507.8 | 0.921 | NA | 2.42 | 0.418 | 170.1 | 156.3 | -71.9 | 0.430 |
| | | 11.54 | 9.06 | 20.60 | ONE | 19.045 | 238.3 | 80.8 | 21.3 | | | | | | | | | | |
| 44600.0 | 46680.0 | 0.482 | 213.1 | -14.6 | -0.42 | 1.451 | 100.0 | 1.069 | -13.885 | 340.6 | 507.1 | 0.955 | NA | 1.17 | 0.420 | 169.9 | 155.3 | -72.1 | 0.432 |
| | | 10.31 | 9.09 | 19.40 | ONE | 19.045 | 238.3 | 80.8 | 21.1 | | | | | | | | | | |
| 44610.0 | 46680.0 | 0.448 | 208.9 | -12.7 | -0.24 | 1.452 | 95.0 | 1.072 | -13.602 | 350.3 | 506.6 | 0.976 | NA | 0.99 | 0.422 | 169.9 | 155.0 | -72.3 | 0.433 |
| | | 9.51 | 9.12 | 18.63 | ONE | 19.045 | 238.3 | 80.8 | 20.9 | | | | | | | | | | |
| 44620.0 | 46680.0 | 0.435 | 202.9 | -10.2 | -0.17 | 1.452 | 89.8 | 1.073 | -13.419 | 0.3 | 146.4 | 0.984D | NA | 0.91 | 0.423 | 169.8 | 154.8 | -72.3 | 0.434 |
| | | 9.22 | 9.14 | 18.36 | ONE | 19.045 | 238.3 | 80.8 | 20.8 | | | | | | | | | | |
| 44630.0 | 46680.0 | 0.449 | 196.5 | -7.5 | -0.14 | 1.451 | 84.5 | 1.073 | -13.327 | 10.6 | 146.4 | 0.976D | NA | 0.87 | 0.424 | 169.9 | 154.8 | -72.3 | 0.435 |
| | | 9.54 | 9.15 | 18.69 | ONE | 19.045 | 238.3 | 80.8 | 20.8 | | | | | | | | | | |
| 44640.0 | 46680.0 | 0.489 | 191.2 | -5.2 | -0.12 | 1.450 | 79.1 | 1.071 | -13.316 | 21.1 | 146.9 | 0.952D | NA | 0.84 | 0.424 | 170.0 | 154.9 | -72.2 | 0.435 |
| | | 10.46 | 9.16 | 19.63 | ONE | 19.045 | 238.3 | 80.8 | 20.9 | | | | | | | | | | |
| 44650.0 | 46680.0 | 0.550 | 187.9 | -3.7 | -0.11 | 1.449 | 73.5 | 1.068 | -13.379 | 32.0 | 147.6 | 0.910D | NA | 0.81 | 0.423 | 170.3 | 155.2 | -72.0 | 0.436 |
| | | 11.96 | 9.17 | 21.13 | ONE | 19.045 | 238.3 | 80.8 | 21.1 | | | | | | | | | | |
| 44660.0 | 46680.0 | 0.628 | 186.5 | -3.0 | -0.10 | 1.447 | 67.7 | 1.063 | -13.504 | 43.2 | 148.7 | 0.852D | NA | 0.79 | 0.422 | 170.6 | 155.6 | -71.7 | 0.436 |
| | | 13.92 | 9.18 | 23.11 | ONE | 19.045 | 238.3 | 80.8 | 21.4 | | | | | | | | | | |
| ARRIVAL DATE = 2446780.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 46780.0 | 0.644 | 213.9 | -12.8 | 0.36 | 1.439 | 113.7 | 1.036 | -22.895 | 313.5 | 511.6 | 0.830 | NA | 0.42 | 0.385 | 169.8 | 156.7 | -70.8 | 0.401 |
| | | 14.33 | 8.46 | 22.79 | TWO | 20.158 | 232.5 | 80.1 | 23.6 | | | | | | | | | | |
| 44580.0 | 46780.0 | 0.579 | 215.8 | -12.2 | 0.82 | 1.441 | 109.1 | 1.041 | -21.645 | 322.6 | 510.5 | 0.882 | NA | -0.04 | 0.388 | 169.6 | 155.9 | -71.2 | 0.403 |
| | | 12.68 | 8.50 | 21.18 | TWO | 20.158 | 232.5 | 80.1 | 23.1 | | | | | | | | | | |
| 44590.0 | 46780.0 | 0.523 | 212.3 | -21.4 | -2.95 | 1.442 | 104.4 | 1.045 | -20.688 | 331.8 | 509.6 | 0.925 | NA | 3.71 | 0.391 | 169.4 | 157.4 | -71.8 | 0.405 |
| | | 11.30 | 8.53 | 19.83 | ONE | 20.158 | 232.5 | 80.1 | 22.8 | | | | | | | | | | |
| 44600.0 | 46780.0 | 0.471 | 212.0 | -14.7 | -0.53 | 1.444 | 99.6 | 1.048 | -19.977 | 341.3 | 509.0 | 0.957 | NA | 1.28 | 0.393 | 169.3 | 155.8 | -71.9 | 0.406 |
| | | 10.05 | 8.56 | 18.61 | ONE | 20.158 | 232.5 | 80.1 | 22.5 | | | | | | | | | | |
| 44610.0 | 46780.0 | 0.438 | 207.7 | -12.4 | -0.29 | 1.444 | 94.6 | 1.050 | -19.480 | 351.1 | 508.5 | 0.977 | NA | 1.04 | 0.395 | 169.2 | 155.4 | -72.0 | 0.407 |
| | | 9.29 | 8.58 | 17.87 | ONE | 20.158 | 232.5 | 80.1 | 22.3 | | | | | | | | | | |
| 44620.0 | 46780.0 | 0.428 | 201.6 | -9.8 | -0.21 | 1.444 | 89.4 | 1.051 | -19.171 | 1.1 | 148.3 | 0.984D | NA | 0.94 | 0.396 | 169.2 | 155.2 | -72.1 | 0.408 |
| | | 9.05 | 8.60 | 17.65 | ONE | 20.158 | 232.5 | 80.1 | 22.2 | | | | | | | | | | |
| 44630.0 | 46780.0 | 0.443 | 195.2 | -7.1 | -0.17 | 1.444 | 84.2 | 1.051 | -19.032 | 11.4 | 148.4 | 0.975D | NA | 0.89 | 0.396 | 169.3 | 155.2 | -72.1 | 0.409 |
| | | 9.41 | 8.61 | 18.02 | ONE | 20.158 | 232.5 | 80.1 | 22.2 | | | | | | | | | | |
| 44640.0 | 46780.0 | 0.484 | 190.1 | -4.8 | -0.14 | 1.443 | 78.8 | 1.050 | -19.045 | 22.0 | 148.9 | 0.949D | NA | 0.85 | 0.396 | 169.4 | 155.3 | -72.0 | 0.409 |
| | | 10.36 | 8.62 | 18.99 | ONE | 20.158 | 232.5 | 80.1 | 22.3 | | | | | | | | | | |
| 44650.0 | 46780.0 | 0.547 | 186.9 | -3.3 | -0.13 | 1.441 | 73.2 | 1.047 | -19.197 | 32.8 | 149.6 | 0.907D | NA | 0.82 | 0.395 | 169.6 | 155.6 | -71.8 | 0.410 |
| | | 11.87 | 8.63 | 20.50 | ONE | 20.158 | 232.5 | 80.1 | 22.6 | | | | | | | | | | |
| 44660.0 | 46780.0 | 0.625 | 185.7 | -2.8 | -0.12 | 1.439 | 67.5 | 1.044 | -19.469 | 43.9 | 150.6 | 0.848D | NA | 0.80 | 0.395 | 170.0 | 156.1 | -71.5 | 0.410 |
| | | 13.84 | 8.64 | 22.48 | ONE | 20.158 | 232.5 | 80.1 | 22.9 | | | | | | | | | | |
| ARRIVAL DATE = 2446880.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 46880.0 | 0.633 | 213.5 | -12.6 | 0.39 | 1.433 | 113.3 | 1.021 | -38.992 | 314.0 | 513.3 | 0.834 | NA | 0.39 | 0.360 | 169.2 | 157.1 | -70.6 | 0.379 |
| | | 14.04 | 8.01 | 22.05 | TWO | 19.035 | 227.4 | 79.4 | 25.0 | | | | | | | | | | |
| 44580.0 | 46880.0 | 0.568 | 215.3 | -12.0 | 0.81 | 1.435 | 108.7 | 1.025 | -35.856 | 323.1 | 512.2 | 0.885 | NA | -0.04 | 0.363 | 168.9 | 156.3 | -70.9 | 0.380 |
| | | 12.40 | 8.04 | 20.44 | TWO | 19.035 | 227.4 | 79.4 | 24.6 | | | | | | | | | | |
| 44590.0 | 46880.0 | 0.530 | 207.9 | -31.9 | -7.13 | 1.436 | 104.0 | 1.028 | -33.580 | 332.4 | 511.4 | 0.927 | NA | 7.89 | 0.366 | 168.7 | 160.3 | -71.8 | 0.382 |
| | | 11.47 | 8.08 | 19.55 | ONE | 19.035 | 227.4 | 79.4 | 24.3 | | | | | | | | | | |
| 44600.0 | 46880.0 | 0.462 | 211.1 | -14.8 | -0.66 | 1.437 | 99.2 | 1.030 | -31.963 | 342.0 | 510.7 | 0.959 | NA | 1.41 | 0.368 | 168.6 | 156.3 | -71.7 | 0.383 |
| | | 9.83 | 8.09 | 17.92 | ONE | 19.035 | 227.4 | 79.4 | 23.9 | | | | | | | | | | |
| 44610.0 | 46880.0 | 0.430 | 206.6 | -12.2 | -0.35 | 1.437 | 94.2 | 1.032 | -30.877 | 351.7 | 510.3 | 0.978 | NA | 1.09 | 0.370 | 168.5 | 155.8 | -71.8 | 0.384 |
| | | 9.11 | 8.11 | 17.22 | ONE | 19.035 | 227.4 | 79.4 | 23.7 | | | | | | | | | | |
| 44620.0 | 46880.0 | 0.421 | 200.4 | -9.5 | -0.25 | 1.437 | 89.1 | 1.033 | -30.237 | 1.8 | 150.2 | 0.983D | NA | 0.97 | 0.371 | 168.5 | 155.7 | -71.9 | 0.385 |
| | | 8.91 | 8.13 | 17.03 | ONE | 19.035 | 227.4 | 79.4 | 23.6 | | | | | | | | | | |
| 44630.0 | 46880.0 | 0.439 | 194.1 | -6.7 | -0.19 | 1.437 | 83.9 | 1.032 | -29.985 | 12.1 | 150.3 | 0.973D | NA | 0.91 | 0.371 | 168.6 | 155.6 | -71.8 | 0.385 |
| | | 9.30 | 8.14 | 17.44 | ONE | 19.035 | 227.4 | 79.4 | 23.7 | | | | | | | | | | |
| 44640.0 | 46880.0 | 0.481 | 189.1 | -4.5 | -0.16 | 1.436 | 78.5 | 1.031 | -30.082 | 22.6 | 150.7 | 0.947D | NA | 0.86 | 0.371 | 168.8 | 155.8 | -71.7 | 0.386 |
| | | 10.28 | 8.15 | 18.43 | ONE | 19.035 | 227.4 | 79.4 | 23.8 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44650.0 | 46880.0 | 0.544 | 186.1 | -3.1 | -0.15 | 1.434 | 73.0 | 1.030 | -30.499 | 33.5 | 151.4 | 0.905D | NA | 0.83 | 0.370 | 169.0 | 156.1 | -71.5 | 0.386 |
| | | 11.79 | 8.16 | 19.95 | ONE | 19.035 | 227.4 | 79.4 | 24.1 | | | | | | | | | | |
| 44660.0 | 46880.0 | 0.622 | 185.1 | -2.5 | -0.14 | 1.433 | 67.4 | 1.027 | -31.211 | 44.6 | 152.5 | 0.845D | NA | 0.80 | 0.369 | 169.4 | 156.5 | -71.2 | 0.387 |
| | | 13.75 | 8.17 | 21.92 | ONE | 19.035 | 227.4 | 79.4 | 24.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446980.0 | | | | | | | | | | | |
| 44570.0 | 46980.0 | 0.623 | 213.2 | -12.5 | 0.41 | 1.427 | 112.9 | 1.008 | -98.651 | 314.3 | 514.8 | 0.838 | NA | 0.37 | 0.338 | 168.5 | 157.6 | -70.2 | 0.358 |
| | | 13.80 | 7.61 | 21.41 | TWO | 18.236 | 223.1 | 78.5 | 26.6 | | | | | | | | | | |
| 44580.0 | 46980.0 | 0.559 | 214.9 | -11.9 | 0.81 | 1.429 | 108.3 | 1.011 | -82.336 | 323.5 | 513.6 | 0.888 | NA | -0.03 | 0.341 | 168.2 | 156.8 | -70.6 | 0.360 |
| | | 12.17 | 7.64 | 19.81 | TWO | 18.236 | 223.1 | 78.5 | 26.1 | | | | | | | | | | |
| 44600.0 | 46980.0 | 0.454 | 210.2 | -15.0 | -0.83 | 1.431 | 98.8 | 1.015 | -65.969 | 342.5 | 512.4 | 0.960 | NA | 1.57 | 0.345 | 167.9 | 156.8 | -71.4 | 0.362 |
| | | 9.64 | 7.68 | 17.33 | ONE | 18.236 | 223.1 | 78.5 | 25.4 | | | | | | | | | | |
| 44610.0 | 46980.0 | 0.423 | 205.7 | -12.1 | -0.42 | 1.432 | 93.9 | 1.016 | -62.059 | 352.3 | 512.1 | 0.979 | NA | 1.15 | 0.347 | 167.8 | 156.3 | -71.5 | 0.363 |
| | | 8.95 | 7.70 | 16.65 | ONE | 18.236 | 223.1 | 78.5 | 25.2 | | | | | | | | | | |
| 44620.0 | 46980.0 | 0.416 | 199.4 | -9.3 | -0.29 | 1.432 | 88.8 | 1.016 | -59.925 | 2.3 | 151.9 | 0.983D | NA | 1.01 | 0.348 | 167.8 | 156.1 | -71.6 | 0.363 |
| | | 8.79 | 7.71 | 16.50 | ONE | 18.236 | 223.1 | 78.5 | 25.1 | | | | | | | | | | |
| 44630.0 | 46980.0 | 0.434 | 193.2 | -6.4 | -0.22 | 1.431 | 83.6 | 1.016 | -59.222 | 12.7 | 152.1 | 0.972D | NA | 0.93 | 0.348 | 167.9 | 156.1 | -71.5 | 0.364 |
| | | 9.20 | 7.72 | 16.93 | ONE | 18.236 | 223.1 | 78.5 | 25.2 | | | | | | | | | | |
| 44640.0 | 46980.0 | 0.478 | 188.3 | -4.2 | -0.19 | 1.430 | 78.3 | 1.016 | -59.782 | 23.2 | 152.5 | 0.946D | NA | 0.88 | 0.348 | 168.1 | 156.3 | -71.4 | 0.364 |
| | | 10.20 | 7.73 | 17.93 | ONE | 18.236 | 223.1 | 78.5 | 25.3 | | | | | | | | | | |
| 44650.0 | 46980.0 | 0.541 | 185.5 | -2.8 | -0.17 | 1.429 | 72.9 | 1.015 | -61.547 | 34.0 | 153.2 | 0.902D | NA | 0.84 | 0.347 | 168.3 | 156.6 | -71.2 | 0.365 |
| | | 11.72 | 7.74 | 19.46 | ONE | 18.236 | 223.1 | 78.5 | 25.6 | | | | | | | | | | |
| 44660.0 | 46980.0 | 0.618 | 184.7 | -2.4 | -0.15 | 1.427 | 67.3 | 1.013 | -64.534 | 45.1 | 154.1 | 0.843D | NA | 0.81 | 0.346 | 168.7 | 157.1 | -70.8 | 0.365 |
| | | 13.67 | 7.75 | 21.42 | ONE | 18.236 | 223.1 | 78.5 | 26.0 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447080.0 | | | | | | | | | | | |
| 44570.0 | 47080.0 | 0.615 | 213.0 | -12.3 | 0.43 | 1.423 | 112.7 | 0.997 | 306.437 | 314.6 | 516.2 | 0.840 | 612.034A | 0.35 | 0.317 | 167.7 | 158.0 | -69.9 | 0.340 |
| | | 13.59 | 7.26 | 20.86 | TWO | 19.618 | 219.3 | 77.7 | 28.1 | | | | | | | | | | |
| 44580.0 | 47080.0 | 0.551 | 214.6 | -11.7 | 0.80 | 1.424 | 108.1 | 0.999 | 688.266 | 323.8 | 515.3 | 0.890 | *******A | -0.03 | 0.320 | 167.5 | 157.3 | -70.3 | 0.341 |
| | | 11.97 | 7.29 | 19.26 | TWO | 19.618 | 219.3 | 77.7 | 27.6 | | | | | | | | | | |
| 44590.0 | 47080.0 | 0.514 | 220.3 | 4.4 | 6.97 | 1.426 | 103.4 | 1.000 | ******* | 333.3 | 514.6 | 0.931 | NA | -6.21 | 0.323 | 167.3 | 153.4 | -70.0 | 0.342 |
| | | 11.06 | 7.31 | 18.37 | TWO | 19.618 | 219.3 | 77.7 | 27.3 | | | | | | | | | | |
| 44600.0 | 47080.0 | 0.447 | 209.3 | -15.5 | -1.04 | 1.427 | 98.6 | 1.001 | ******* | 342.9 | 514.0 | 0.962 | NA | 1.78 | 0.324 | 167.2 | 157.5 | -71.1 | 0.343 |
| | | 9.49 | 7.32 | 16.81 | ONE | 19.618 | 219.3 | 77.7 | 27.0 | | | | | | | | | | |
| 44610.0 | 47080.0 | 0.417 | 204.9 | -12.1 | -0.49 | 1.427 | 93.6 | 1.002 | ******* | 352.7 | 513.7 | 0.979 | NA | 1.22 | 0.326 | 167.1 | 156.9 | -71.2 | 0.344 |
| | | 8.82 | 7.34 | 16.16 | ONE | 19.618 | 219.3 | 77.7 | 26.8 | | | | | | | | | | |
| 44620.0 | 47080.0 | 0.411 | 198.6 | -9.1 | -0.33 | 1.427 | 88.6 | 1.003 | ******* | 2.8 | 153.6 | 0.983D | NA | 1.04 | 0.326 | 167.1 | 156.7 | -71.2 | 0.344 |
| | | 8.68 | 7.35 | 16.03 | ONE | 19.618 | 219.3 | 77.7 | 26.7 | | | | | | | | | | |
| 44630.0 | 47080.0 | 0.431 | 192.4 | -6.2 | -0.25 | 1.426 | 83.4 | 1.003 | ******* | 13.1 | 153.7 | 0.972D | NA | 0.95 | 0.327 | 167.2 | 156.7 | -71.2 | 0.345 |
| | | 9.12 | 7.36 | 16.48 | ONE | 19.618 | 219.3 | 77.7 | 26.7 | | | | | | | | | | |
| 44640.0 | 47080.0 | 0.475 | 187.7 | -4.0 | -0.21 | 1.425 | 78.1 | 1.002 | ******* | 23.7 | 154.1 | 0.944D | NA | 0.89 | 0.326 | 167.3 | 156.8 | -71.1 | 0.345 |
| | | 10.13 | 7.36 | 17.50 | ONE | 19.618 | 219.3 | 77.7 | 26.9 | | | | | | | | | | |
| 44650.0 | 47080.0 | 0.538 | 185.0 | -2.7 | -0.19 | 1.424 | 72.7 | 1.002 | ******* | 34.5 | 154.8 | 0.901D | NA | 0.85 | 0.326 | 167.6 | 157.2 | -70.8 | 0.345 |
| | | 11.65 | 7.37 | 19.03 | ONE | 19.618 | 219.3 | 77.7 | 27.2 | | | | | | | | | | |
| 44660.0 | 47080.0 | 0.615 | 184.3 | -2.2 | -0.17 | 1.422 | 67.2 | 1.001 | ******* | 45.5 | 155.7 | 0.842D | NA | 0.82 | 0.324 | 168.0 | 157.6 | -70.4 | 0.346 |
| | | 13.59 | 7.38 | 20.97 | ONE | 19.618 | 219.3 | 77.7 | 27.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447180.0 | | | | | | | | | | | |
| 44570.0 | 47180.0 | 0.609 | 212.9 | -12.2 | 0.45 | 1.418 | 112.4 | 0.987 | 67.171 | 314.8 | 517.6 | 0.842 | 133.500A | 0.34 | 0.298 | 167.0 | 158.6 | -69.4 | 0.323 |
| | | 13.43 | 6.95 | 20.38 | TWO | 20.095 | 216.0 | 76.8 | 29.8 | | | | | | | | | | |
| 44580.0 | 47180.0 | 0.544 | 214.4 | -11.7 | 0.80 | 1.420 | 107.8 | 0.988 | 75.495 | 324.1 | 516.7 | 0.892 | 150.097A | -0.03 | 0.301 | 166.7 | 157.8 | -69.9 | 0.324 |
| | | 11.81 | 6.97 | 18.78 | TWO | 20.095 | 216.0 | 76.8 | 29.2 | | | | | | | | | | |
| 44590.0 | 47180.0 | 0.494 | 217.0 | -2.6 | 4.05 | 1.421 | 103.2 | 0.989 | 84.151 | 333.5 | 516.0 | 0.933 | 167.369A | -3.30 | 0.303 | 166.5 | 155.4 | -69.9 | 0.325 |
| | | 10.59 | 6.99 | 17.58 | TWO | 20.095 | 216.0 | 76.8 | 28.9 | | | | | | | | | | |
| 44600.0 | 47180.0 | 0.442 | 208.6 | -16.2 | -1.30 | 1.422 | 98.3 | 0.990 | 92.384 | 343.2 | 515.5 | 0.963 | 183.805A | 2.05 | 0.305 | 166.4 | 158.2 | -70.7 | 0.325 |
| | | 9.37 | 7.00 | 16.37 | ONE | 20.095 | 216.0 | 76.8 | 28.5 | | | | | | | | | | |
| 44610.0 | 47180.0 | 0.412 | 204.2 | -12.2 | -0.57 | 1.423 | 93.4 | 0.990 | 99.148 | 353.1 | 515.2 | 0.980 | 197.316A | 1.30 | 0.306 | 166.3 | 157.5 | -70.8 | 0.326 |
| | | 8.71 | 7.02 | 15.73 | ONE | 20.095 | 216.0 | 76.8 | 28.3 | | | | | | | | | | |
| 44620.0 | 47180.0 | 0.407 | 197.9 | -9.0 | -0.37 | 1.423 | 88.4 | 0.990 | 103.363 | 3.2 | 155.1 | 0.983D | 205.744A | 1.08 | 0.307 | 166.3 | 157.3 | -70.9 | 0.326 |
| | | 8.59 | 7.02 | 15.62 | ONE | 20.095 | 216.0 | 76.8 | 28.3 | | | | | | | | | | |
| 44630.0 | 47180.0 | 0.428 | 191.8 | -6.1 | -0.28 | 1.422 | 83.3 | 0.991 | 104.317 | 13.5 | 155.2 | 0.971D | 207.664A | 0.97 | 0.307 | 166.4 | 157.3 | -70.8 | 0.327 |
| | | 9.05 | 7.03 | 16.08 | ONE | 20.095 | 216.0 | 76.8 | 28.3 | | | | | | | | | | |
| 44640.0 | 47180.0 | 0.472 | 187.2 | -3.9 | -0.23 | 1.421 | 78.0 | 0.991 | 101.992 | 24.0 | 155.6 | 0.943D | 203.040A | 0.91 | 0.307 | 166.6 | 157.4 | -70.7 | 0.327 |
| | | 10.07 | 7.04 | 17.11 | ONE | 20.095 | 216.0 | 76.8 | 28.5 | | | | | | | | | | |
| 44650.0 | 47180.0 | 0.535 | 184.6 | -2.6 | -0.21 | 1.419 | 72.7 | 0.991 | 97.070 | 34.8 | 156.3 | 0.900D | 193.240A | 0.86 | 0.306 | 166.9 | 157.7 | -70.4 | 0.328 |
| | | 11.59 | 7.05 | 18.63 | ONE | 20.095 | 216.0 | 76.8 | 28.8 | | | | | | | | | | |

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EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44660.0 | 47180.0 | 0.612 | 184.0 | -2.2 | -0.19 | 1.418 | 67.2 | 0.991 | 90.596 | 45.8 | 157.2 | 0.841D | 180.352A | 0.82 | 0.305 | 167.3 | 158.2 | -70.0 | 0.328 |
| | | 13.51 | 7.06 | 20.57 | ONE | 20.095 | 216.0 | 76.8 | 29.2 | | | | | | | | | | |
| ARRIVAL DATE = 2447280.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47280.0 | 0.603 | 212.8 | -12.1 | 0.47 | 1.415 | 112.3 | 0.979 | 39.990 | 315.0 | 518.9 | 0.844 | 79.137A | 0.32 | 0.281 | 166.2 | 159.1 | -69.0 | 0.307 |
| | | 13.29 | 6.68 | 19.97 | TWO | 18.635 | 213.2 | 75.8 | 31.4 | | | | | | | | | | |
| 44580.0 | 47280.0 | 0.539 | 214.2 | -11.6 | 0.80 | 1.417 | 107.7 | 0.979 | 42.535 | 324.3 | 518.1 | 0.893 | 84.177A | -0.03 | 0.283 | 165.9 | 158.3 | -69.4 | 0.308 |
| | | 11.68 | 6.69 | 18.37 | TWO | 18.635 | 213.2 | 75.8 | 30.9 | | | | | | | | | | |
| 44590.0 | 47280.0 | 0.485 | 215.8 | -5.2 | 3.00 | 1.418 | 103.0 | 0.979 | 44.898 | 333.8 | 517.4 | 0.934 | 88.862A | -2.25 | 0.286 | 165.7 | 156.5 | -69.6 | 0.309 |
| | | 10.38 | 6.71 | 17.09 | TWO | 18.635 | 213.2 | 75.8 | 30.5 | | | | | | | | | | |
| 44600.0 | 47280.0 | 0.437 | 207.8 | -17.2 | -1.67 | 1.419 | 98.2 | 0.979 | 46.910 | 343.5 | 516.9 | 0.963 | 92.856A | 2.41 | 0.287 | 165.5 | 159.0 | -70.3 | 0.309 |
| | | 9.27 | 6.72 | 15.99 | ONE | 18.635 | 213.2 | 75.8 | 30.2 | | | | | | | | | | |
| 44610.0 | 47280.0 | 0.408 | 203.6 | -12.3 | -0.66 | 1.419 | 93.3 | 0.980 | 48.401 | 353.4 | 516.6 | 0.980 | 95.822A | 1.38 | 0.288 | 165.5 | 158.1 | -70.4 | 0.310 |
| | | 8.62 | 6.73 | 15.35 | ONE | 18.635 | 213.2 | 75.8 | 30.0 | | | | | | | | | | |
| 44620.0 | 47280.0 | 0.404 | 197.4 | -9.0 | -0.42 | 1.419 | 88.3 | 0.980 | 49.241 | 3.5 | 156.5 | 0.983D | 97.500A | 1.12 | 0.289 | 165.5 | 157.9 | -70.5 | 0.310 |
| | | 8.52 | 6.74 | 15.26 | ONE | 18.635 | 213.2 | 75.8 | 29.9 | | | | | | | | | | |
| 44630.0 | 47280.0 | 0.425 | 191.3 | -6.0 | -0.32 | 1.418 | 83.2 | 0.980 | 49.367 | 13.8 | 156.7 | 0.971D | 97.764A | 1.00 | 0.289 | 165.6 | 157.9 | -70.4 | 0.311 |
| | | 8.98 | 6.75 | 15.73 | ONE | 18.635 | 213.2 | 75.8 | 29.9 | | | | | | | | | | |
| 44640.0 | 47280.0 | 0.469 | 186.8 | -3.8 | -0.26 | 1.417 | 78.0 | 0.981 | 48.802 | 24.3 | 157.1 | 0.943D | 96.662A | 0.93 | 0.289 | 165.8 | 158.0 | -70.2 | 0.311 |
| | | 10.01 | 6.75 | 16.76 | ONE | 18.635 | 213.2 | 75.8 | 30.1 | | | | | | | | | | |
| 44650.0 | 47280.0 | 0.533 | 184.3 | -2.5 | -0.23 | 1.416 | 72.6 | 0.981 | 47.651 | 35.1 | 157.7 | 0.899D | 94.402A | 0.87 | 0.288 | 166.1 | 158.3 | -69.9 | 0.312 |
| | | 11.52 | 6.76 | 18.28 | ONE | 18.635 | 213.2 | 75.8 | 30.4 | | | | | | | | | | |
| 44660.0 | 47280.0 | 0.609 | 183.8 | -2.1 | -0.21 | 1.414 | 67.2 | 0.982 | 46.070 | 46.0 | 158.5 | 0.840D | 91.300A | 0.83 | 0.287 | 166.5 | 158.8 | -69.5 | 0.312 |
| | | 13.43 | 6.77 | 20.20 | ONE | 18.635 | 213.2 | 75.8 | 30.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447380.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47380.0 | 0.599 | 212.8 | -12.1 | 0.48 | 1.412 | 112.1 | 0.971 | 29.548 | 315.0 | 520.1 | 0.845 | 58.251A | 0.31 | 0.264 | 165.3 | 159.7 | -68.5 | 0.293 |
| | | 13.18 | 6.44 | 19.61 | TWO | 18.577 | 210.7 | 74.8 | 33.1 | | | | | | | | | | |
| 44580.0 | 47380.0 | 0.535 | 214.1 | -11.6 | 0.80 | 1.413 | 107.5 | 0.971 | 30.795 | 324.4 | 519.4 | 0.894 | 60.696A | -0.02 | 0.267 | 165.1 | 158.9 | -68.9 | 0.293 |
| | | 11.57 | 6.45 | 18.02 | TWO | 18.577 | 210.7 | 74.8 | 32.6 | | | | | | | | | | |
| 44590.0 | 47380.0 | 0.480 | 215.1 | -6.5 | 2.46 | 1.415 | 102.8 | 0.971 | 31.905 | 333.9 | 518.7 | 0.935 | 62.876A | -1.70 | 0.269 | 164.8 | 157.4 | -69.2 | 0.294 |
| | | 10.25 | 6.46 | 16.71 | TWO | 18.577 | 210.7 | 74.8 | 32.2 | | | | | | | | | | |
| 44600.0 | 47380.0 | 0.434 | 207.0 | -18.7 | -2.19 | 1.415 | 98.1 | 0.971 | 32.813 | 343.6 | 518.2 | 0.964 | 64.662A | 2.92 | 0.271 | 164.7 | 160.0 | -69.9 | 0.295 |
| | | 9.20 | 6.47 | 15.67 | ONE | 18.577 | 210.7 | 74.8 | 31.8 | | | | | | | | | | |
| 44610.0 | 47380.0 | 0.405 | 203.2 | -12.6 | -0.77 | 1.416 | 93.2 | 0.971 | 33.459 | 353.6 | 518.0 | 0.980 | 65.938A | 1.48 | 0.272 | 164.6 | 158.8 | -70.0 | 0.295 |
| | | 8.54 | 6.48 | 15.02 | ONE | 18.577 | 210.7 | 74.8 | 31.6 | | | | | | | | | | |
| 44620.0 | 47380.0 | 0.401 | 197.0 | -9.0 | -0.47 | 1.415 | 88.2 | 0.971 | 33.804 | 3.7 | 157.9 | 0.983D | 66.625A | 1.17 | 0.272 | 164.6 | 158.5 | -70.0 | 0.296 |
| | | 8.45 | 6.49 | 14.93 | ONE | 18.577 | 210.7 | 74.8 | 31.6 | | | | | | | | | | |
| 44630.0 | 47380.0 | 0.422 | 191.0 | -6.0 | -0.35 | 1.415 | 83.1 | 0.971 | 33.831 | 14.0 | 158.0 | 0.970D | 66.693A | 1.03 | 0.272 | 164.7 | 158.5 | -69.9 | 0.296 |
| | | 8.92 | 6.49 | 15.42 | ONE | 18.577 | 210.7 | 74.8 | 31.6 | | | | | | | | | | |
| 44640.0 | 47380.0 | 0.467 | 186.5 | -3.7 | -0.29 | 1.414 | 77.9 | 0.972 | 33.554 | 24.5 | 158.4 | 0.942D | 66.167A | 0.94 | 0.272 | 164.9 | 158.7 | -69.8 | 0.296 |
| | | 9.95 | 6.50 | 16.45 | ONE | 18.577 | 210.7 | 74.8 | 31.8 | | | | | | | | | | |
| 44650.0 | 47380.0 | 0.530 | 184.1 | -2.5 | -0.25 | 1.412 | 72.6 | 0.973 | 33.013 | 35.2 | 159.0 | 0.899D | 65.128A | 0.88 | 0.271 | 165.2 | 159.0 | -69.5 | 0.297 |
| | | 11.45 | 6.51 | 17.96 | ONE | 18.577 | 210.7 | 74.8 | 32.1 | | | | | | | | | | |
| 44660.0 | 47380.0 | 0.606 | 183.7 | -2.1 | -0.22 | 1.411 | 67.3 | 0.974 | 32.267 | 46.1 | 159.8 | 0.840D | 63.693A | 0.84 | 0.270 | 165.7 | 159.4 | -69.0 | 0.297 |
| | | 13.35 | 6.52 | 19.87 | ONE | 18.577 | 210.7 | 74.8 | 32.6 | | | | | | | | | | |
| ARRIVAL DATE = 2447480.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47480.0 | 0.596 | 212.8 | -12.1 | 0.50 | 1.409 | 112.1 | 0.965 | 24.049 | 315.1 | 521.3 | 0.845 | 47.252A | 0.29 | 0.249 | 164.5 | 160.2 | -67.9 | 0.280 |
| | | 13.09 | 6.22 | 19.31 | TWO | 20.087 | 208.5 | 73.8 | 34.9 | | | | | | | | | | |
| 44580.0 | 47480.0 | 0.531 | 214.1 | -11.5 | 0.79 | 1.411 | 107.4 | 0.964 | 24.801 | 324.4 | 520.6 | 0.895 | 48.708A | -0.02 | 0.252 | 164.2 | 159.5 | -68.4 | 0.280 |
| | | 11.48 | 6.23 | 17.71 | TWO | 20.087 | 208.5 | 73.8 | 34.3 | | | | | | | | | | |
| 44590.0 | 47480.0 | 0.476 | 214.7 | -7.3 | 2.13 | 1.412 | 102.8 | 0.963 | 25.456 | 334.0 | 520.0 | 0.935 | 49.977A | -1.37 | 0.254 | 163.9 | 158.2 | -68.7 | 0.281 |
| | | 10.15 | 6.24 | 16.39 | TWO | 20.087 | 208.5 | 73.8 | 33.9 | | | | | | | | | | |
| 44600.0 | 47480.0 | 0.433 | 205.9 | -21.1 | -2.99 | 1.413 | 98.0 | 0.963 | 25.979 | 343.7 | 519.5 | 0.964 | 50.995A | 3.72 | 0.255 | 163.8 | 161.2 | -69.5 | 0.281 |
| | | 9.17 | 6.25 | 15.42 | ONE | 20.087 | 208.5 | 73.8 | 33.6 | | | | | | | | | | |
| 44610.0 | 47480.0 | 0.402 | 202.9 | -12.9 | -0.89 | 1.413 | 93.1 | 0.963 | 26.343 | 353.7 | 519.2 | 0.980 | 51.706A | 1.60 | 0.256 | 163.7 | 159.6 | -69.5 | 0.282 |
| | | 8.48 | 6.25 | 14.73 | ONE | 20.087 | 208.5 | 73.8 | 33.3 | | | | | | | | | | |
| 44620.0 | 47480.0 | 0.398 | 196.7 | -9.1 | -0.53 | 1.413 | 88.1 | 0.963 | 26.529 | 3.8 | 159.2 | 0.983D | 52.076A | 1.22 | 0.257 | 163.7 | 159.2 | -69.5 | 0.282 |
| | | 8.39 | 6.26 | 14.65 | ONE | 20.087 | 208.5 | 73.8 | 33.3 | | | | | | | | | | |
| 44630.0 | 47480.0 | 0.419 | 190.7 | -6.0 | -0.39 | 1.412 | 83.1 | 0.963 | 26.531 | 14.1 | 159.3 | 0.970D | 52.093A | 1.06 | 0.257 | 163.8 | 159.2 | -69.4 | 0.282 |
| | | 8.87 | 6.27 | 15.13 | ONE | 20.087 | 208.5 | 73.8 | 33.3 | | | | | | | | | | |
| 44640.0 | 47480.0 | 0.464 | 186.3 | -3.7 | -0.31 | 1.411 | 77.9 | 0.964 | 26.358 | 24.6 | 159.7 | 0.942D | 51.773A | 0.96 | 0.256 | 164.0 | 159.3 | -69.2 | 0.283 |
| | | 9.89 | 6.27 | 16.16 | ONE | 20.087 | 208.5 | 73.8 | 33.5 | | | | | | | | | | |
| 44650.0 | 47480.0 | 0.527 | 184.0 | -2.5 | -0.27 | 1.409 | 72.7 | 0.965 | 26.029 | 35.3 | 160.2 | 0.899D | 51.160A | 0.89 | 0.255 | 164.4 | 159.6 | -68.9 | 0.283 |
| | | 11.38 | 6.28 | 17.67 | ONE | 20.087 | 208.5 | 73.8 | 33.9 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44660.0 | 47480.0 | 0.603 | 183.6 | -2.1 | -0.24 | 1.408 | 67.3 | 0.967 | 25.577 | 46.1 | 161.0 | 0.840D | 50.314A | 0.84 | 0.254 | 164.8 | 160.0 | -68.5 | 0.284 |
| | | 13.27 | 6.29 | 19.56 | ONE | 20.087 | 208.5 | 73.8 | 34.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447580.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47580.0 | 0.593 | 212.9 | -12.1 | 0.51 | 1.407 | 112.0 | 0.959 | 20.671 | 315.0 | 522.4 | 0.845 | 40.497A | 0.28 | 0.235 | 163.5 | 160.8 | -67.3 | 0.268 |
| | | 13.03 | 6.03 | 19.05 | TWO | 19.806 | 206.6 | 72.8 | 36.7 | | | | | | | | | | |
| 44580.0 | 47580.0 | 0.528 | 214.1 | -11.5 | 0.79 | 1.408 | 107.4 | 0.958 | 21.182 | 324.4 | 521.7 | 0.895 | 41.469A | -0.02 | 0.237 | 163.2 | 160.1 | -67.8 | 0.268 |
| | | 11.42 | 6.04 | 17.45 | TWO | 19.806 | 206.6 | 72.8 | 36.1 | | | | | | | | | | |
| 44590.0 | 47580.0 | 0.472 | 214.4 | -7.9 | 1.90 | 1.409 | 102.7 | 0.957 | 21.620 | 334.0 | 521.1 | 0.935 | 42.305A | -1.15 | 0.239 | 163.0 | 158.9 | -68.2 | 0.269 |
| | | 10.08 | 6.04 | 16.12 | TWO | 19.806 | 206.6 | 72.8 | 35.6 | | | | | | | | | | |
| 44600.0 | 47580.0 | 0.435 | 204.2 | -25.3 | -4.38 | 1.410 | 97.9 | 0.956 | 21.965 | 343.8 | 520.7 | 0.964 | 42.966A | 5.11 | 0.241 | 162.8 | 162.9 | -69.0 | 0.269 |
| | | 9.22 | 6.05 | 15.28 | ONE | 19.806 | 206.6 | 72.8 | 35.4 | | | | | | | | | | |
| 44610.0 | 47580.0 | 0.399 | 202.6 | -13.4 | -1.03 | 1.410 | 93.1 | 0.956 | 22.201 | 353.7 | 520.5 | 0.980 | 43.422A | 1.73 | 0.242 | 162.8 | 160.3 | -68.9 | 0.269 |
| | | 8.42 | 6.06 | 14.48 | ONE | 19.806 | 206.6 | 72.8 | 35.1 | | | | | | | | | | |
| 44620.0 | 47580.0 | 0.395 | 196.5 | -9.3 | -0.59 | 1.410 | 88.1 | 0.956 | 22.317 | 3.8 | 160.4 | 0.983D | 43.652A | 1.28 | 0.242 | 162.8 | 159.9 | -69.0 | 0.270 |
| | | 8.34 | 6.06 | 14.40 | ONE | 19.806 | 206.6 | 72.8 | 35.0 | | | | | | | | | | |
| 44630.0 | 47580.0 | 0.417 | 190.6 | -6.1 | -0.43 | 1.409 | 83.1 | 0.957 | 22.311 | 14.2 | 160.5 | 0.970D | 43.652A | 1.09 | 0.242 | 162.9 | 159.8 | -68.9 | 0.270 |
| | | 8.81 | 6.07 | 14.88 | ONE | 19.806 | 206.6 | 72.8 | 35.1 | | | | | | | | | | |
| 44640.0 | 47580.0 | 0.462 | 186.2 | -3.8 | -0.34 | 1.408 | 78.0 | 0.958 | 22.188 | 24.6 | 160.9 | 0.942D | 43.433A | 0.98 | 0.242 | 163.1 | 160.0 | -68.7 | 0.270 |
| | | 9.83 | 6.07 | 15.90 | ONE | 19.806 | 206.6 | 72.8 | 35.3 | | | | | | | | | | |
| 44650.0 | 47580.0 | 0.524 | 184.0 | -2.5 | -0.29 | 1.407 | 72.7 | 0.959 | 21.960 | 35.3 | 161.4 | 0.899D | 43.022A | 0.91 | 0.241 | 163.4 | 160.2 | -68.4 | 0.271 |
| | | 11.31 | 6.08 | 17.39 | ONE | 19.806 | 206.6 | 72.8 | 35.6 | | | | | | | | | | |
| 44660.0 | 47580.0 | 0.599 | 183.6 | -2.2 | -0.26 | 1.405 | 67.4 | 0.961 | 21.649 | 46.1 | 162.1 | 0.841D | 42.456A | 0.85 | 0.239 | 163.9 | 160.6 | -67.9 | 0.272 |
| | | 13.18 | 6.09 | 19.27 | ONE | 19.806 | 206.6 | 72.8 | 36.1 | | | | | | | | | | |
| ARRIVAL DATE = 2447680.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47680.0 | 0.591 | 213.0 | -12.1 | 0.52 | 1.404 | 112.0 | 0.954 | 18.398 | 314.9 | 523.5 | 0.845 | 35.950A | 0.27 | 0.221 | 162.5 | 161.5 | -66.7 | 0.257 |
| | | 12.98 | 5.86 | 18.84 | TWO | 18.397 | 204.9 | 71.8 | 38.5 | | | | | | | | | | |
| 44580.0 | 47680.0 | 0.526 | 214.2 | -11.6 | 0.79 | 1.406 | 107.4 | 0.952 | 18.772 | 324.4 | 522.8 | 0.895 | 36.648A | -0.02 | 0.224 | 162.2 | 160.7 | -67.2 | 0.257 |
| | | 11.37 | 5.86 | 17.23 | TWO | 18.397 | 204.9 | 71.8 | 37.9 | | | | | | | | | | |
| 44590.0 | 47680.0 | 0.470 | 214.4 | -8.4 | 1.74 | 1.407 | 102.7 | 0.951 | 19.089 | 334.0 | 522.2 | 0.935 | 37.243A | -0.99 | 0.226 | 162.0 | 159.6 | -67.6 | 0.257 |
| | | 10.02 | 5.87 | 15.89 | TWO | 18.397 | 204.9 | 71.8 | 37.4 | | | | | | | | | | |
| 44600.0 | 47680.0 | 0.451 | 200.5 | -34.1 | -7.42 | 1.408 | 97.9 | 0.950 | 19.337 | 343.8 | 521.8 | 0.964 | 37.710A | 8.15 | 0.227 | 161.8 | 165.8 | -68.6 | 0.258 |
| | | 9.57 | 5.88 | 15.46 | ONE | 18.397 | 204.9 | 71.8 | 37.3 | | | | | | | | | | |
| 44610.0 | 47680.0 | 0.397 | 202.4 | -13.9 | -1.19 | 1.408 | 93.1 | 0.950 | 19.504 | 353.7 | 521.6 | 0.980 | 38.028A | 1.90 | 0.228 | 161.8 | 161.1 | -68.4 | 0.258 |
| | | 8.38 | 5.88 | 14.26 | ONE | 18.397 | 204.9 | 71.8 | 36.9 | | | | | | | | | | |
| 44620.0 | 47680.0 | 0.393 | 196.5 | -9.6 | -0.66 | 1.408 | 88.1 | 0.950 | 19.584 | 3.8 | 161.5 | 0.983D | 38.185A | 1.34 | 0.229 | 161.8 | 160.6 | -68.4 | 0.258 |
| | | 8.29 | 5.88 | 14.17 | ONE | 18.397 | 204.9 | 71.8 | 36.8 | | | | | | | | | | |
| 44630.0 | 47680.0 | 0.415 | 190.5 | -6.2 | -0.47 | 1.407 | 83.1 | 0.950 | 19.575 | 14.1 | 161.7 | 0.970D | 38.179A | 1.12 | 0.229 | 161.9 | 160.5 | -68.3 | 0.259 |
| | | 8.76 | 5.89 | 14.65 | ONE | 18.397 | 204.9 | 71.8 | 36.9 | | | | | | | | | | |
| 44640.0 | 47680.0 | 0.459 | 186.2 | -3.9 | -0.37 | 1.406 | 78.0 | 0.952 | 19.481 | 24.6 | 162.0 | 0.942D | 38.019A | 1.00 | 0.228 | 162.1 | 160.6 | -68.1 | 0.259 |
| | | 9.77 | 5.90 | 15.66 | ONE | 18.397 | 204.9 | 71.8 | 37.1 | | | | | | | | | | |
| 44650.0 | 47680.0 | 0.521 | 184.0 | -2.6 | -0.31 | 1.405 | 72.8 | 0.953 | 19.310 | 35.2 | 162.5 | 0.899D | 37.721A | 0.92 | 0.227 | 162.4 | 160.9 | -67.8 | 0.260 |
| | | 11.24 | 5.90 | 17.14 | ONE | 18.397 | 204.9 | 71.8 | 37.4 | | | | | | | | | | |
| 44660.0 | 47680.0 | 0.596 | 183.7 | -2.3 | -0.28 | 1.403 | 67.6 | 0.956 | 19.077 | 46.0 | 163.2 | 0.842D | 37.313A | 0.86 | 0.226 | 162.9 | 161.3 | -67.3 | 0.260 |
| | | 13.09 | 5.91 | 19.01 | ONE | 18.397 | 204.9 | 71.8 | 37.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447780.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47780.0 | 0.590 | 213.1 | -12.1 | 0.53 | 1.403 | 112.0 | 0.950 | 16.771 | 314.7 | 524.5 | 0.844 | 32.698A | 0.26 | 0.209 | 161.5 | 162.1 | -66.0 | 0.247 |
| | | 12.95 | 5.71 | 18.66 | TWO | 19.096 | 203.4 | 70.7 | 40.4 | | | | | | | | | | |
| 44580.0 | 47780.0 | 0.525 | 214.4 | -11.6 | 0.79 | 1.404 | 107.4 | 0.948 | 17.060 | 324.2 | 523.8 | 0.895 | 33.226A | -0.02 | 0.211 | 161.2 | 161.4 | -66.6 | 0.247 |
| | | 11.33 | 5.71 | 17.04 | TWO | 19.096 | 203.4 | 70.7 | 39.8 | | | | | | | | | | |
| 44590.0 | 47780.0 | 0.468 | 214.4 | -8.7 | 1.62 | 1.405 | 102.7 | 0.946 | 17.304 | 333.9 | 523.3 | 0.935 | 33.673A | -0.87 | 0.213 | 160.9 | 160.3 | -66.9 | 0.247 |
| | | 9.98 | 5.71 | 15.70 | TWO | 19.096 | 203.4 | 70.7 | 39.3 | | | | | | | | | | |
| 44600.0 | 47780.0 | 0.576 | 183.3 | -60.5 | -19.00 | 1.406 | 97.9 | 0.945 | 17.492 | 343.7 | 522.9 | 0.964 | 34.021A | 19.73 | 0.215 | 160.8 | 175.1 | -68.0 | 0.251 |
| | | 12.60 | 5.77 | 18.38 | ONE | 19.096 | 203.4 | 70.7 | 40.0 | | | | | | | | | | |
| 44610.0 | 47780.0 | 0.396 | 202.2 | -14.6 | -1.39 | 1.406 | 93.1 | 0.944 | 17.618 | 353.6 | 522.7 | 0.980 | 34.256A | 2.09 | 0.216 | 160.7 | 161.9 | -67.8 | 0.248 |
| | | 8.34 | 5.72 | 14.07 | ONE | 19.096 | 203.4 | 70.7 | 38.7 | | | | | | | | | | |
| 44620.0 | 47780.0 | 0.391 | 196.5 | -9.9 | -0.73 | 1.406 | 88.2 | 0.944 | 17.677 | 3.8 | 162.6 | 0.983D | 34.371A | 1.41 | 0.216 | 160.7 | 161.3 | -67.8 | 0.248 |
| | | 8.25 | 5.73 | 13.97 | ONE | 19.096 | 203.4 | 70.7 | 38.6 | | | | | | | | | | |
| 44630.0 | 47780.0 | 0.412 | 190.6 | -6.4 | -0.51 | 1.405 | 83.2 | 0.945 | 17.667 | 14.1 | 162.7 | 0.970D | 34.363A | 1.16 | 0.216 | 160.8 | 161.2 | -67.7 | 0.248 |
| | | 8.71 | 5.73 | 14.44 | ONE | 19.096 | 203.4 | 70.7 | 38.7 | | | | | | | | | | |
| 44640.0 | 47780.0 | 0.456 | 186.3 | -4.0 | -0.40 | 1.404 | 78.1 | 0.946 | 17.591 | 24.5 | 163.0 | 0.943D | 34.240A | 1.03 | 0.216 | 161.1 | 161.3 | -67.5 | 0.249 |
| | | 9.71 | 5.74 | 15.44 | ONE | 19.096 | 203.4 | 70.7 | 38.9 | | | | | | | | | | |
| 44650.0 | 47780.0 | 0.518 | 184.1 | -2.7 | -0.34 | 1.403 | 72.9 | 0.948 | 17.457 | 35.1 | 163.5 | 0.900D | 34.014A | 0.94 | 0.215 | 161.4 | 161.5 | -67.1 | 0.249 |
| | | 11.17 | 5.74 | 16.91 | ONE | 19.096 | 203.4 | 70.7 | 39.3 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44660.0 | 47780.0 | 0.592 | 183.8 | -2.4 | -0.30 | 1.401 | 67.7 | 0.951 | 17.274 | 45.8 | 164.1 | 0.844D | 33.704A | 0.87 | 0.213 | 161.9 | 161.9 | -66.7 | 0.250 |
| | | 13.00 | 5.76 | 18.76 | ONE | 19.096 | 203.4 | 70.7 | 39.7 | | | | | | | | | | |
| ARRIVAL DATE = 2447880.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47880.0 | 0.589 | 213.3 | -12.1 | 0.54 | 1.401 | 112.1 | 0.946 | 15.557 | 314.5 | 525.4 | 0.844 | 30.271A | 0.25 | 0.197 | 160.4 | 162.7 | -65.3 | 0.237 |
| | | 12.94 | 5.57 | 18.51 | TWO | 20.351 | 202.0 | 69.7 | 42.3 | | | | | | | | | | |
| 44580.0 | 47880.0 | 0.524 | 214.6 | -11.7 | 0.79 | 1.402 | 107.4 | 0.943 | 15.790 | 324.1 | 524.8 | 0.894 | 30.685A | -0.02 | 0.200 | 160.1 | 162.0 | -65.9 | 0.237 |
| | | 11.31 | 5.57 | 16.89 | TWO | 20.351 | 202.0 | 69.7 | 41.7 | | | | | | | | | | |
| 44590.0 | 47880.0 | 0.467 | 214.5 | -9.1 | 1.52 | 1.404 | 102.7 | 0.942 | 15.984 | 333.7 | 524.3 | 0.935 | 31.033A | -0.78 | 0.202 | 159.8 | 161.0 | -66.3 | 0.238 |
| | | 9.95 | 5.58 | 15.53 | TWO | 20.351 | 202.0 | 69.7 | 41.1 | | | | | | | | | | |
| 44610.0 | 47880.0 | 0.395 | 202.1 | -15.6 | -1.64 | 1.404 | 93.1 | 0.940 | 16.233 | 353.5 | 523.7 | 0.980 | 31.486A | 2.34 | 0.204 | 159.6 | 162.7 | -67.1 | 0.238 |
| | | 8.32 | 5.58 | 13.90 | ONE | 20.351 | 202.0 | 69.7 | 40.6 | | | | | | | | | | |
| 44620.0 | 47880.0 | 0.389 | 196.5 | -10.2 | -0.82 | 1.404 | 88.2 | 0.940 | 16.278 | 3.7 | 163.6 | 0.983D | 31.573A | 1.49 | 0.204 | 159.6 | 162.1 | -67.1 | 0.238 |
| | | 8.21 | 5.58 | 13.79 | ONE | 20.351 | 202.0 | 69.7 | 40.5 | | | | | | | | | | |
| 44630.0 | 47880.0 | 0.410 | 190.7 | -6.7 | -0.56 | 1.404 | 83.2 | 0.940 | 16.268 | 13.9 | 163.8 | 0.971D | 31.566A | 1.20 | 0.204 | 159.7 | 161.9 | -67.0 | 0.238 |
| | | 8.66 | 5.59 | 14.25 | ONE | 20.351 | 202.0 | 69.7 | 40.5 | | | | | | | | | | |
| 44640.0 | 47880.0 | 0.454 | 186.4 | -4.2 | -0.43 | 1.402 | 78.2 | 0.942 | 16.206 | 24.4 | 164.0 | 0.943D | 31.469A | 1.05 | 0.204 | 160.0 | 162.0 | -66.8 | 0.239 |
| | | 9.65 | 5.60 | 15.24 | ONE | 20.351 | 202.0 | 69.7 | 40.8 | | | | | | | | | | |
| 44650.0 | 47880.0 | 0.515 | 184.2 | -2.9 | -0.36 | 1.401 | 73.1 | 0.944 | 16.096 | 34.9 | 164.5 | 0.901D | 31.291A | 0.95 | 0.203 | 160.3 | 162.2 | -66.5 | 0.240 |
| | | 11.09 | 5.60 | 16.69 | ONE | 20.351 | 202.0 | 69.7 | 41.1 | | | | | | | | | | |
| 44660.0 | 47880.0 | 0.588 | 183.9 | -2.5 | -0.32 | 1.399 | 67.8 | 0.947 | 15.946 | 45.6 | 165.1 | 0.845D | 31.047A | 0.88 | 0.201 | 160.8 | 162.5 | -66.0 | 0.240 |
| | | 12.91 | 5.62 | 18.52 | ONE | 20.351 | 202.0 | 69.7 | 41.6 | | | | | | | | | | |
| ARRIVAL DATE = 2447980.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 47980.0 | 0.589 | 213.6 | -12.2 | 0.55 | 1.399 | 112.1 | 0.942 | 14.622 | 314.3 | 526.3 | 0.842 | 28.401A | 0.25 | 0.186 | 159.3 | 163.3 | -64.5 | 0.229 |
| | | 12.94 | 5.45 | 18.39 | TWO | 19.384 | 200.7 | 68.6 | 44.2 | | | | | | | | | | |
| 44580.0 | 47980.0 | 0.524 | 214.8 | -11.8 | 0.79 | 1.401 | 107.5 | 0.940 | 14.814 | 323.8 | 525.7 | 0.893 | 28.734A | -0.02 | 0.189 | 158.9 | 162.6 | -65.1 | 0.229 |
| | | 11.31 | 5.45 | 16.76 | TWO | 19.384 | 200.7 | 68.6 | 43.6 | | | | | | | | | | |
| 44590.0 | 47980.0 | 0.466 | 214.6 | -9.4 | 1.45 | 1.402 | 102.8 | 0.938 | 14.974 | 333.5 | 525.2 | 0.934 | 29.014A | -0.70 | 0.191 | 158.7 | 161.7 | -65.6 | 0.229 |
| | | 9.94 | 5.45 | 15.39 | TWO | 19.384 | 200.7 | 68.6 | 43.1 | | | | | | | | | | |
| 44600.0 | 47980.0 | 0.477 | 223.0 | 18.7 | 10.89 | 1.403 | 98.1 | 0.936 | 15.097 | 343.3 | 524.9 | 0.963 | 29.231A | -10.17 | 0.192 | 158.5 | 155.2 | -64.6 | 0.230 |
| | | 10.18 | 5.47 | 15.64 | TWO | 19.384 | 200.7 | 68.6 | 43.0 | | | | | | | | | | |
| 44610.0 | 47980.0 | 0.394 | 202.0 | -16.7 | -1.95 | 1.403 | 93.2 | 0.935 | 15.178 | 353.3 | 524.7 | 0.980 | 29.376A | 2.64 | 0.193 | 158.4 | 163.6 | -66.5 | 0.229 |
| | | 8.31 | 5.46 | 13.76 | ONE | 19.384 | 200.7 | 68.6 | 42.5 | | | | | | | | | | |
| 44620.0 | 47980.0 | 0.388 | 196.7 | -10.7 | -0.91 | 1.403 | 88.3 | 0.935 | 15.214 | 3.5 | 164.6 | 0.983D | 29.445A | 1.58 | 0.193 | 158.4 | 162.8 | -66.5 | 0.229 |
| | | 8.17 | 5.46 | 13.63 | ONE | 19.384 | 200.7 | 68.6 | 42.4 | | | | | | | | | | |
| 44630.0 | 47980.0 | 0.408 | 190.9 | -6.9 | -0.61 | 1.402 | 83.4 | 0.936 | 15.205 | 13.8 | 164.7 | 0.971D | 29.439A | 1.24 | 0.193 | 158.5 | 162.6 | -66.4 | 0.230 |
| | | 8.62 | 5.46 | 14.08 | ONE | 19.384 | 200.7 | 68.6 | 42.4 | | | | | | | | | | |
| 44640.0 | 47980.0 | 0.451 | 186.6 | -4.4 | -0.46 | 1.401 | 78.3 | 0.938 | 15.152 | 24.2 | 165.0 | 0.944D | 29.360A | 1.08 | 0.193 | 158.8 | 162.6 | -66.1 | 0.230 |
| | | 9.59 | 5.47 | 15.05 | ONE | 19.384 | 200.7 | 68.6 | 42.6 | | | | | | | | | | |
| 44650.0 | 47980.0 | 0.512 | 184.4 | -3.0 | -0.39 | 1.399 | 73.2 | 0.940 | 15.060 | 34.7 | 165.4 | 0.903D | 29.217A | 0.97 | 0.192 | 159.1 | 162.8 | -65.8 | 0.231 |
| | | 11.01 | 5.48 | 16.49 | ONE | 19.384 | 200.7 | 68.6 | 43.0 | | | | | | | | | | |
| 44660.0 | 47980.0 | 0.584 | 184.1 | -2.6 | -0.34 | 1.398 | 68.0 | 0.943 | 14.934 | 45.4 | 166.0 | 0.847D | 29.021A | 0.89 | 0.190 | 159.6 | 163.1 | -65.3 | 0.232 |
| | | 12.81 | 5.49 | 18.30 | ONE | 19.384 | 200.7 | 68.6 | 43.5 | | | | | | | | | | |
| ARRIVAL DATE = 2448080.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 48080.0 | 0.590 | 213.8 | -12.3 | 0.56 | 1.398 | 112.2 | 0.939 | 13.883 | 314.0 | 527.2 | 0.841 | 26.925A | 0.24 | 0.176 | 158.1 | 163.9 | -63.8 | 0.221 |
| | | 12.95 | 5.35 | 18.30 | TWO | 18.403 | 199.6 | 67.6 | 46.2 | | | | | | | | | | |
| 44580.0 | 48080.0 | 0.524 | 215.1 | -11.9 | 0.79 | 1.400 | 107.6 | 0.936 | 14.045 | 323.6 | 526.6 | 0.892 | 27.199A | -0.01 | 0.178 | 157.7 | 163.2 | -64.4 | 0.221 |
| | | 11.31 | 5.34 | 16.66 | TWO | 18.403 | 199.6 | 67.6 | 45.5 | | | | | | | | | | |
| 44590.0 | 48080.0 | 0.466 | 214.9 | -9.6 | 1.38 | 1.401 | 102.9 | 0.934 | 14.181 | 333.3 | 526.1 | 0.933 | 27.429A | -0.64 | 0.180 | 157.4 | 162.4 | -64.8 | 0.221 |
| | | 9.93 | 5.34 | 15.28 | TWO | 18.403 | 199.6 | 67.6 | 45.0 | | | | | | | | | | |
| 44600.0 | 48080.0 | 0.441 | 218.0 | 7.3 | 6.57 | 1.401 | 98.1 | 0.933 | 14.285 | 343.1 | 525.8 | 0.963 | 27.606A | -5.86 | 0.182 | 157.3 | 158.5 | -64.5 | 0.221 |
| | | 9.35 | 5.35 | 14.70 | TWO | 18.403 | 199.6 | 67.6 | 44.7 | | | | | | | | | | |
| 44610.0 | 48080.0 | 0.394 | 201.8 | -18.2 | -2.35 | 1.402 | 93.3 | 0.932 | 14.353 | 353.1 | 525.6 | 0.980 | 27.725A | 3.04 | 0.183 | 157.2 | 164.6 | -65.8 | 0.221 |
| | | 8.31 | 5.35 | 13.65 | ONE | 18.403 | 199.6 | 67.6 | 44.4 | | | | | | | | | | |
| 44620.0 | 48080.0 | 0.386 | 196.9 | -11.2 | -1.01 | 1.401 | 88.4 | 0.932 | 14.382 | 3.3 | 165.6 | 0.983D | 27.782A | 1.67 | 0.183 | 157.2 | 163.5 | -65.7 | 0.221 |
| | | 8.14 | 5.35 | 13.49 | ONE | 18.403 | 199.6 | 67.6 | 44.3 | | | | | | | | | | |
| 44630.0 | 48080.0 | 0.406 | 191.1 | -7.2 | -0.66 | 1.401 | 83.5 | 0.932 | 14.374 | 13.5 | 165.6 | 0.971D | 27.777A | 1.29 | 0.183 | 157.3 | 163.3 | -65.6 | 0.222 |
| | | 8.57 | 5.35 | 13.92 | ONE | 18.403 | 199.6 | 67.6 | 44.3 | | | | | | | | | | |
| 44640.0 | 48080.0 | 0.448 | 186.9 | -4.6 | -0.50 | 1.400 | 78.5 | 0.934 | 14.329 | 23.9 | 165.9 | 0.945D | 27.712A | 1.10 | 0.182 | 157.5 | 163.3 | -65.4 | 0.222 |
| | | 9.52 | 5.36 | 14.88 | ONE | 18.403 | 199.6 | 67.6 | 44.6 | | | | | | | | | | |
| 44650.0 | 48080.0 | 0.508 | 184.6 | -3.2 | -0.41 | 1.398 | 73.4 | 0.937 | 14.249 | 34.4 | 166.3 | 0.904D | 27.595A | 0.98 | 0.181 | 157.9 | 163.4 | -65.0 | 0.223 |
| | | 10.93 | 5.37 | 16.30 | ONE | 18.403 | 199.6 | 67.6 | 44.9 | | | | | | | | | | |
| 44660.0 | 48080.0 | 0.581 | 184.4 | -2.8 | -0.36 | 1.396 | 68.2 | 0.940 | 14.141 | 45.0 | 166.8 | 0.849D | 27.433A | 0.90 | 0.180 | 158.4 | 163.7 | -64.5 | 0.224 |
| | | 12.71 | 5.38 | 18.09 | ONE | 18.403 | 199.6 | 67.6 | 45.4 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2448180.0 | | | | | | | | | | | |
| 44570.0 | 48180.0 | 0.591 | 214.1 | -12.3 | 0.57 | 1.397 | 112.4 | 0.937 | 13.288 | 313.7 | 528.0 | 0.839 | 25.737A | 0.23 | 0.166 | 156.8 | 164.4 | -62.9 | 0.214 |
| | | 12.98 | 5.25 | 18.23 | TWO | 19.678 | 198.6 | 66.5 | 48.2 | | | | | | | | | | |
| 44580.0 | 48180.0 | 0.525 | 215.4 | -12.0 | 0.79 | 1.398 | 107.7 | 0.934 | 13.428 | 323.3 | 527.4 | 0.891 | 25.966A | -0.01 | 0.169 | 156.4 | 163.8 | -63.6 | 0.214 |
| | | 11.33 | 5.25 | 16.57 | TWO | 19.678 | 198.6 | 66.5 | 47.5 | | | | | | | | | | |
| 44590.0 | 48180.0 | 0.466 | 215.2 | -9.9 | 1.33 | 1.399 | 103.0 | 0.931 | 13.545 | 333.0 | 527.0 | 0.932 | 26.158A | -0.59 | 0.171 | 156.1 | 163.0 | -64.0 | 0.214 |
| | | 9.94 | 5.24 | 15.18 | TWO | 19.678 | 198.6 | 66.5 | 47.0 | | | | | | | | | | |
| 44600.0 | 48180.0 | 0.431 | 216.3 | 2.2 | 4.83 | 1.400 | 98.3 | 0.929 | 13.635 | 342.9 | 526.7 | 0.962 | 26.307A | -4.11 | 0.172 | 155.9 | 160.2 | -64.0 | 0.214 |
| | | 9.12 | 5.25 | 14.37 | TWO | 19.678 | 198.6 | 66.5 | 46.6 | | | | | | | | | | |
| 44610.0 | 48180.0 | 0.395 | 201.5 | -20.1 | -2.90 | 1.400 | 93.4 | 0.928 | 13.693 | 352.9 | 526.5 | 0.980 | 26.406A | 3.58 | 0.173 | 155.9 | 165.6 | -65.1 | 0.214 |
| | | 8.32 | 5.25 | 13.57 | ONE | 19.678 | 198.6 | 66.5 | 46.3 | | | | | | | | | | |
| 44620.0 | 48180.0 | 0.385 | 197.1 | -11.7 | -1.13 | 1.400 | 88.6 | 0.928 | 13.718 | 3.0 | 166.4 | 0.983D | 26.454A | 1.79 | 0.173 | 155.9 | 164.2 | -65.0 | 0.214 |
| | | 8.12 | 5.25 | 13.36 | ONE | 19.678 | 198.6 | 66.5 | 46.2 | | | | | | | | | | |
| 44630.0 | 48180.0 | 0.404 | 191.5 | -7.6 | -0.72 | 1.399 | 83.6 | 0.929 | 13.711 | 13.3 | 166.5 | 0.972D | 26.450A | 1.34 | 0.173 | 156.0 | 163.9 | -64.9 | 0.214 |
| | | 8.52 | 5.25 | 13.78 | ONE | 19.678 | 198.6 | 66.5 | 46.3 | | | | | | | | | | |
| 44640.0 | 48180.0 | 0.446 | 187.2 | -4.9 | -0.54 | 1.398 | 78.6 | 0.931 | 13.671 | 23.6 | 166.7 | 0.946D | 26.396A | 1.13 | 0.173 | 156.2 | 163.9 | -64.7 | 0.215 |
| | | 9.46 | 5.26 | 14.72 | ONE | 19.678 | 198.6 | 66.5 | 46.5 | | | | | | | | | | |
| 44650.0 | 48180.0 | 0.505 | 184.9 | -3.4 | -0.44 | 1.397 | 73.5 | 0.933 | 13.602 | 34.1 | 167.1 | 0.906D | 26.299A | 1.00 | 0.172 | 156.6 | 164.1 | -64.3 | 0.215 |
| | | 10.85 | 5.27 | 16.12 | ONE | 19.678 | 198.6 | 66.5 | 46.9 | | | | | | | | | | |
| 44660.0 | 48180.0 | 0.577 | 184.6 | -2.9 | -0.38 | 1.395 | 68.4 | 0.937 | 13.508 | 44.7 | 167.6 | 0.851D | 26.164A | 0.91 | 0.170 | 157.1 | 164.3 | -63.8 | 0.216 |
| | | 12.61 | 5.28 | 17.89 | ONE | 19.678 | 198.6 | 66.5 | 47.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448280.0 | | | | | | | | | | | |
| 44570.0 | 48280.0 | 0.592 | 214.4 | -12.4 | 0.58 | 1.396 | 112.5 | 0.935 | 12.802 | 313.3 | 528.8 | 0.837 | 24.766A | 0.22 | 0.157 | 155.4 | 165.0 | -62.1 | 0.208 |
| | | 13.01 | 5.17 | 18.18 | TWO | 20.356 | 197.6 | 65.4 | 50.2 | | | | | | | | | | |
| 44580.0 | 48280.0 | 0.526 | 215.7 | -12.1 | 0.79 | 1.397 | 107.8 | 0.931 | 12.925 | 322.9 | 528.3 | 0.889 | 24.961A | -0.01 | 0.160 | 155.0 | 164.4 | -62.8 | 0.207 |
| | | 11.35 | 5.16 | 16.51 | TWO | 20.356 | 197.6 | 65.4 | 49.5 | | | | | | | | | | |
| 44590.0 | 48280.0 | 0.467 | 215.5 | -10.2 | 1.29 | 1.398 | 103.1 | 0.929 | 13.028 | 332.7 | 527.8 | 0.931 | 25.124A | -0.55 | 0.162 | 154.7 | 163.6 | -63.2 | 0.207 |
| | | 9.95 | 5.16 | 15.11 | TWO | 20.356 | 197.6 | 65.4 | 48.9 | | | | | | | | | | |
| 44600.0 | 48280.0 | 0.427 | 215.7 | -0.8 | 3.88 | 1.399 | 98.4 | 0.927 | 13.106 | 342.5 | 527.5 | 0.962 | 25.250A | -3.17 | 0.163 | 154.6 | 161.5 | -63.3 | 0.207 |
| | | 9.03 | 5.16 | 14.19 | TWO | 20.356 | 197.6 | 65.4 | 48.6 | | | | | | | | | | |
| 44610.0 | 48280.0 | 0.397 | 200.9 | -22.9 | -3.68 | 1.399 | 93.6 | 0.926 | 13.157 | 352.6 | 527.3 | 0.979 | 25.335A | 4.36 | 0.164 | 154.5 | 166.8 | -64.3 | 0.207 |
| | | 8.37 | 5.16 | 13.53 | ONE | 20.356 | 197.6 | 65.4 | 48.3 | | | | | | | | | | |
| 44620.0 | 48280.0 | 0.384 | 197.5 | -12.4 | -1.26 | 1.399 | 88.7 | 0.925 | 13.179 | 2.7 | 167.3 | 0.983D | 25.375A | 1.91 | 0.164 | 154.5 | 164.9 | -64.2 | 0.207 |
| | | 8.09 | 5.16 | 13.25 | ONE | 20.356 | 197.6 | 65.4 | 48.2 | | | | | | | | | | |
| 44630.0 | 48280.0 | 0.402 | 191.8 | -8.0 | -0.78 | 1.398 | 83.8 | 0.926 | 13.172 | 12.9 | 167.3 | 0.973D | 25.372A | 1.40 | 0.164 | 154.6 | 164.6 | -64.1 | 0.207 |
| | | 8.48 | 5.16 | 13.64 | ONE | 20.356 | 197.6 | 65.4 | 48.2 | | | | | | | | | | |
| 44640.0 | 48280.0 | 0.443 | 187.5 | -5.2 | -0.58 | 1.397 | 78.8 | 0.928 | 13.137 | 23.3 | 167.6 | 0.947D | 25.328A | 1.16 | 0.163 | 154.8 | 164.5 | -63.9 | 0.208 |
| | | 9.40 | 5.17 | 14.56 | ONE | 20.356 | 197.6 | 65.4 | 48.5 | | | | | | | | | | |
| 44650.0 | 48280.0 | 0.501 | 185.3 | -3.6 | -0.47 | 1.396 | 73.7 | 0.931 | 13.076 | 33.8 | 167.9 | 0.907D | 25.246A | 1.02 | 0.162 | 155.2 | 164.6 | -63.5 | 0.209 |
| | | 10.77 | 5.18 | 15.95 | ONE | 20.356 | 197.6 | 65.4 | 48.8 | | | | | | | | | | |
| 44660.0 | 48280.0 | 0.572 | 184.9 | -3.1 | -0.41 | 1.394 | 68.6 | 0.934 | 12.993 | 44.3 | 168.4 | 0.854D | 25.132A | 0.92 | 0.161 | 155.7 | 164.9 | -63.0 | 0.209 |
| | | 12.51 | 5.19 | 17.70 | ONE | 20.356 | 197.6 | 65.4 | 49.3 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448380.0 | | | | | | | | | | | |
| 44570.0 | 48380.0 | 0.594 | 214.8 | -12.5 | 0.59 | 1.395 | 112.7 | 0.933 | 12.400 | 312.9 | 529.5 | 0.835 | 23.965A | 0.22 | 0.149 | 154.0 | 165.5 | -61.2 | 0.202 |
| | | 13.06 | 5.09 | 18.15 | TWO | 18.958 | 196.8 | 64.3 | 52.3 | | | | | | | | | | |
| 44580.0 | 48380.0 | 0.527 | 216.1 | -12.2 | 0.79 | 1.396 | 108.0 | 0.929 | 12.510 | 322.6 | 529.0 | 0.887 | 24.132A | -0.01 | 0.151 | 153.6 | 165.0 | -61.9 | 0.201 |
| | | 11.39 | 5.08 | 16.47 | TWO | 18.958 | 196.8 | 64.3 | 51.5 | | | | | | | | | | |
| 44590.0 | 48380.0 | 0.468 | 215.9 | -10.4 | 1.25 | 1.398 | 103.3 | 0.926 | 12.601 | 332.3 | 528.6 | 0.930 | 24.272A | -0.51 | 0.153 | 153.3 | 164.2 | -62.4 | 0.201 |
| | | 9.98 | 5.08 | 15.06 | TWO | 18.958 | 196.8 | 64.3 | 51.0 | | | | | | | | | | |
| 44600.0 | 48380.0 | 0.425 | 215.5 | -2.7 | 3.29 | 1.398 | 98.5 | 0.924 | 12.670 | 342.2 | 528.3 | 0.961 | 24.380A | -2.58 | 0.154 | 153.1 | 162.5 | -62.6 | 0.201 |
| | | 8.99 | 5.08 | 14.07 | TWO | 18.958 | 196.8 | 64.3 | 50.5 | | | | | | | | | | |
| 44610.0 | 48380.0 | 0.402 | 199.8 | -26.9 | -4.89 | 1.398 | 93.7 | 0.923 | 12.716 | 352.2 | 528.1 | 0.979 | 24.452A | 5.56 | 0.155 | 153.0 | 168.4 | -63.6 | 0.201 |
| | | 8.49 | 5.08 | 13.57 | ONE | 18.958 | 196.8 | 64.3 | 50.3 | | | | | | | | | | |
| 44620.0 | 48380.0 | 0.383 | 197.8 | -13.1 | -1.42 | 1.398 | 88.9 | 0.923 | 12.736 | 2.4 | 168.1 | 0.983D | 24.488A | 2.06 | 0.156 | 153.0 | 165.6 | -63.4 | 0.201 |
| | | 8.07 | 5.08 | 13.15 | ONE | 18.958 | 196.8 | 64.3 | 50.2 | | | | | | | | | | |
| 44630.0 | 48380.0 | 0.400 | 192.2 | -8.4 | -0.84 | 1.397 | 84.0 | 0.924 | 12.730 | 12.6 | 168.1 | 0.973D | 24.486A | 1.46 | 0.156 | 153.1 | 165.2 | -63.3 | 0.201 |
| | | 8.44 | 5.08 | 13.52 | ONE | 18.958 | 196.8 | 64.3 | 50.2 | | | | | | | | | | |
| 44640.0 | 48380.0 | 0.440 | 187.9 | -5.5 | -0.62 | 1.396 | 79.0 | 0.925 | 12.698 | 22.9 | 168.3 | 0.948D | 24.448A | 1.20 | 0.155 | 153.4 | 165.1 | -63.1 | 0.202 |
| | | 9.33 | 5.09 | 14.42 | ONE | 18.958 | 196.8 | 64.3 | 50.4 | | | | | | | | | | |
| 44650.0 | 48380.0 | 0.498 | 185.6 | -3.9 | -0.50 | 1.395 | 73.9 | 0.928 | 12.644 | 33.4 | 168.6 | 0.909D | 24.379A | 1.04 | 0.154 | 153.8 | 165.2 | -62.7 | 0.202 |
| | | 10.68 | 5.10 | 15.78 | ONE | 18.958 | 196.8 | 64.3 | 50.8 | | | | | | | | | | |
| 44660.0 | 48380.0 | 0.568 | 185.3 | -3.3 | -0.43 | 1.393 | 68.9 | 0.932 | 12.569 | 43.9 | 169.1 | 0.856D | 24.282A | 0.94 | 0.152 | 154.3 | 165.4 | -62.2 | 0.203 |
| | | 12.40 | 5.11 | 17.51 | ONE | 18.958 | 196.8 | 64.3 | 51.3 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44670.0 | 48380.0 | 0.647 | 186.4 | -3.6 | -0.39 | 1.391 | 63.7 | 0.937 | 12.478 | 54.5 | 169.6 | 0.7910 | 24.164A | 0.85 | 0.150 | 155.0 | 165.7 | -61.6 | 0.205 |
| * | | 14.41 | 5.13 | 19.53 | ONE | 18.958 | 196.8 | 64.3 | 51.9 | | | | | | | | | | |

ARRIVAL DATE = 2448480.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44570.0 | 48480.0 | 0.597 | 215.1 | -12.7 | 0.59 | 1.394 | 112.8 | 0.931 | 12.064 | 312.5 | 530.2 | 0.832 | 23.295A | 0.21 | 0.141 | 152.4 | 166.1 | -60.4 | 0.196 |
| | | 13.12 | 5.02 | 18.14 | TWO | 18.671 | 196.0 | 63.3 | 54.3 | | | | | | | | | | |
| 44580.0 | 48480.0 | 0.529 | 216.5 | -12.4 | 0.78 | 1.396 | 108.2 | 0.927 | 12.163 | 322.2 | 529.8 | 0.886 | 23.440A | -0.01 | 0.143 | 152.0 | 165.5 | -61.1 | 0.196 |
| | | 11.43 | 5.02 | 16.45 | TWO | 18.671 | 196.0 | 63.3 | 53.6 | | | | | | | | | | |
| 44590.0 | 48480.0 | 0.469 | 216.4 | -10.7 | 1.21 | 1.397 | 103.5 | 0.924 | 12.245 | 331.9 | 529.4 | 0.929 | 23.561A | -0.48 | 0.145 | 151.7 | 164.8 | -61.6 | 0.195 |
| | | 10.01 | 5.01 | 15.02 | TWO | 18.671 | 196.0 | 63.3 | 53.0 | | | | | | | | | | |
| 44600.0 | 48480.0 | 0.425 | 215.5 | -4.2 | 2.88 | 1.397 | 98.7 | 0.922 | 12.307 | 341.8 | 529.1 | 0.960 | 23.655A | -2.18 | 0.146 | 151.5 | 163.3 | -61.8 | 0.195 |
| | | 8.98 | 5.01 | 13.99 | TWO | 18.671 | 196.0 | 63.3 | 52.6 | | | | | | | | | | |
| 44610.0 | 48480.0 | 0.416 | 197.3 | -11.6 | -7.01 | 1.397 | 93.9 | 0.921 | 12.348 | 351.9 | 528.9 | 0.979 | 23.718A | 7.68 | 0.147 | 151.4 | 170.6 | -62.9 | 0.196 |
| | | 8.78 | 5.02 | 13.80 | ONE | 18.671 | 196.0 | 63.3 | 52.4 | | | | | | | | | | |
| 44620.0 | 48480.0 | 0.383 | 198.1 | -14.0 | -1.60 | 1.397 | 89.0 | 0.920 | 12.366 | 2.0 | 168.8 | 0.983D | 23.749A | 2.24 | 0.148 | 151.5 | 166.3 | -62.6 | 0.195 |
| | | 8.06 | 5.01 | 13.07 | ONE | 18.671 | 196.0 | 63.3 | 52.2 | | | | | | | | | | |
| 44630.0 | 48480.0 | 0.398 | 192.7 | -8.9 | -0.92 | 1.397 | 84.1 | 0.921 | 12.361 | 12.2 | 168.9 | 0.974D | 23.748A | 1.53 | 0.148 | 151.6 | 165.8 | -62.5 | 0.195 |
| | | 8.40 | 5.01 | 13.41 | ONE | 18.671 | 196.0 | 63.3 | 52.2 | | | | | | | | | | |
| 44640.0 | 48480.0 | 0.437 | 188.4 | -5.9 | -0.66 | 1.396 | 79.2 | 0.923 | 12.333 | 22.5 | 169.1 | 0.950D | 23.717A | 1.23 | 0.147 | 151.8 | 165.7 | -62.3 | 0.196 |
| | | 9.27 | 5.02 | 14.29 | ONE | 18.671 | 196.0 | 63.3 | 52.4 | | | | | | | | | | |
| 44650.0 | 48480.0 | 0.494 | 186.0 | -4.2 | -0.53 | 1.394 | 74.2 | 0.926 | 12.284 | 33.0 | 169.4 | 0.911D | 23.657A | 1.06 | 0.146 | 152.2 | 165.8 | -61.9 | 0.197 |
| | | 10.60 | 5.03 | 15.62 | ONE | 18.671 | 196.0 | 63.3 | 52.8 | | | | | | | | | | |
| 44660.0 | 48480.0 | 0.564 | 185.6 | -3.6 | -0.45 | 1.392 | 69.1 | 0.930 | 12.217 | 43.5 | 169.8 | 0.859D | 23.574A | 0.95 | 0.144 | 152.7 | 166.0 | -61.4 | 0.198 |
| | | 12.30 | 5.04 | 17.34 | ONE | 18.671 | 196.0 | 63.3 | 53.3 | | | | | | | | | | |
| 44670.0 | 48480.0 | 0.642 | 186.8 | -3.8 | -0.41 | 1.390 | 64.0 | 0.935 | 12.134 | 54.0 | 170.3 | 0.795D | 23.473A | 0.86 | 0.142 | 153.4 | 166.2 | -60.8 | 0.199 |
| | | 14.28 | 5.06 | 19.34 | ONE | 18.671 | 196.0 | 63.3 | 53.9 | | | | | | | | | | |

ARRIVAL DATE = 2448580.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44570.0 | 48580.0 | 0.599 | 215.5 | -12.8 | 0.60 | 1.394 | 113.0 | 0.930 | 11.781 | 312.0 | 530.9 | 0.830 | 22.733A | 0.21 | 0.133 | 150.8 | 166.6 | -59.5 | 0.192 |
| | | 13.18 | 4.97 | 18.15 | TWO | 20.188 | 195.2 | 62.2 | 56.3 | | | | | | | | | | |
| 44580.0 | 48580.0 | 0.531 | 216.9 | -12.6 | 0.78 | 1.395 | 108.4 | 0.926 | 11.871 | 321.7 | 530.5 | 0.883 | 22.859A | -0.01 | 0.135 | 150.4 | 166.0 | -60.2 | 0.191 |
| | | 11.49 | 4.96 | 16.44 | TWO | 20.188 | 195.2 | 62.2 | 55.6 | | | | | | | | | | |
| 44590.0 | 48580.0 | 0.471 | 216.8 | -11.0 | 1.18 | 1.396 | 103.7 | 0.922 | 11.946 | 331.5 | 530.1 | 0.927 | 22.965A | -0.45 | 0.137 | 150.1 | 165.4 | -60.7 | 0.190 |
| | | 10.04 | 4.95 | 14.99 | TWO | 20.188 | 195.2 | 62.2 | 55.0 | | | | | | | | | | |
| 44600.0 | 48580.0 | 0.425 | 215.7 | -5.3 | 2.59 | 1.397 | 98.9 | 0.920 | 12.003 | 341.4 | 529.8 | 0.959 | 23.047A | -1.88 | 0.139 | 149.9 | 164.1 | -61.0 | 0.190 |
| | | 8.98 | 4.95 | 13.93 | TWO | 20.188 | 195.2 | 62.2 | 54.6 | | | | | | | | | | |
| 44610.0 | 48580.0 | 0.459 | 190.6 | -46.5 | -11.68 | 1.397 | 94.1 | 0.919 | 12.040 | 351.5 | 529.6 | 0.978 | 23.102A | 12.35 | 0.140 | 149.8 | 174.7 | -62.2 | 0.192 |
| | | 9.76 | 4.97 | 14.73 | ONE | 20.188 | 195.2 | 62.2 | 54.7 | | | | | | | | | | |
| 44620.0 | 48580.0 | 0.382 | 198.5 | -15.0 | -1.81 | 1.397 | 89.2 | 0.918 | 12.057 | 1.6 | 169.6 | 0.983D | 23.130A | 2.45 | 0.140 | 149.8 | 167.0 | -61.8 | 0.190 |
| | | 8.05 | 4.95 | 12.99 | ONE | 20.188 | 195.2 | 62.2 | 54.2 | | | | | | | | | | |
| 44630.0 | 48580.0 | 0.396 | 193.2 | -9.5 | -1.00 | 1.396 | 84.3 | 0.919 | 12.052 | 11.8 | 169.6 | 0.975D | 23.130A | 1.60 | 0.140 | 149.9 | 166.4 | -61.7 | 0.190 |
| | | 8.36 | 4.95 | 13.31 | ONE | 20.188 | 195.2 | 62.2 | 54.2 | | | | | | | | | | |
| 44640.0 | 48580.0 | 0.434 | 188.9 | -6.2 | -0.70 | 1.395 | 79.4 | 0.921 | 12.027 | 22.1 | 169.8 | 0.951D | 23.103A | 1.27 | 0.139 | 150.2 | 166.3 | -61.5 | 0.191 |
| | | 9.20 | 4.95 | 14.16 | ONE | 20.188 | 195.2 | 62.2 | 54.4 | | | | | | | | | | |
| 44650.0 | 48580.0 | 0.491 | 186.5 | -4.5 | -0.56 | 1.393 | 74.4 | 0.924 | 11.983 | 32.5 | 170.1 | 0.913D | 23.052A | 1.09 | 0.138 | 150.6 | 166.3 | -61.1 | 0.191 |
| | | 10.51 | 4.96 | 15.47 | ONE | 20.188 | 195.2 | 62.2 | 54.8 | | | | | | | | | | |
| 44660.0 | 48580.0 | 0.560 | 186.0 | -3.8 | -0.47 | 1.392 | 69.4 | 0.928 | 11.921 | 43.0 | 170.4 | 0.862D | 22.981A | 0.96 | 0.137 | 151.1 | 166.5 | -60.6 | 0.193 |
| | | 12.19 | 4.98 | 17.17 | ONE | 20.188 | 195.2 | 62.2 | 55.3 | | | | | | | | | | |
| 44670.0 | 48580.0 | 0.637 | 187.1 | -4.0 | -0.42 | 1.390 | 64.3 | 0.933 | 11.846 | 53.5 | 170.9 | 0.798D | 22.893A | 0.87 | 0.135 | 151.8 | 166.7 | -60.0 | 0.194 |
| | | 14.15 | 5.00 | 19.15 | ONE | 20.188 | 195.2 | 62.2 | 55.9 | | | | | | | | | | |

ARRIVAL DATE = 2448680.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44570.0 | 48680.0 | 0.602 | 215.9 | -12.9 | 0.61 | 1.393 | 113.3 | 0.928 | 11.542 | 311.6 | 531.6 | 0.827 | 22.257A | 0.20 | 0.126 | 149.1 | 167.0 | -58.6 | 0.187 |
| | | 13.25 | 4.91 | 18.17 | TWO | 20.119 | 194.5 | 61.1 | 58.4 | | | | | | | | | | |
| 44580.0 | 48680.0 | 0.534 | 217.4 | -12.7 | 0.78 | 1.394 | 108.6 | 0.924 | 11.624 | 321.3 | 531.1 | 0.881 | 22.367A | -0.01 | 0.128 | 148.7 | 166.5 | -59.3 | 0.186 |
| | | 11.55 | 4.90 | 16.45 | TWO | 20.119 | 194.5 | 61.1 | 57.7 | | | | | | | | | | |
| 44590.0 | 48680.0 | 0.473 | 217.3 | -11.2 | 1.16 | 1.395 | 103.9 | 0.921 | 11.693 | 331.1 | 530.8 | 0.925 | 22.460A | -0.42 | 0.130 | 148.4 | 165.9 | -59.8 | 0.186 |
| | | 10.09 | 4.90 | 14.98 | TWO | 20.119 | 194.5 | 61.1 | 57.1 | | | | | | | | | | |
| 44600.0 | 48680.0 | 0.425 | 216.1 | -6.2 | 2.36 | 1.396 | 99.1 | 0.918 | 11.745 | 341.0 | 530.5 | 0.958 | 22.532A | -1.66 | 0.132 | 148.2 | 164.7 | -60.1 | 0.185 |
| | | 9.00 | 4.89 | 13.89 | TWO | 20.119 | 194.5 | 61.1 | 56.6 | | | | | | | | | | |
| 44620.0 | 48680.0 | 0.382 | 198.9 | -16.2 | -2.07 | 1.396 | 89.5 | 0.917 | 11.795 | 1.1 | 170.3 | 0.984D | 22.606A | 2.70 | 0.133 | 148.1 | 167.7 | -61.0 | 0.185 |
| | | 8.04 | 4.89 | 12.93 | ONE | 20.119 | 194.5 | 61.1 | 56.2 | | | | | | | | | | |
| 44630.0 | 48680.0 | 0.395 | 193.8 | -10.0 | -1.09 | 1.395 | 84.6 | 0.917 | 11.791 | 11.4 | 170.3 | 0.975D | 22.607A | 1.68 | 0.133 | 148.2 | 167.0 | -60.9 | 0.185 |
| | | 8.32 | 4.89 | 13.21 | ONE | 20.119 | 194.5 | 61.1 | 56.2 | | | | | | | | | | |
| 44640.0 | 48680.0 | 0.432 | 189.4 | -6.6 | -0.75 | 1.394 | 79.6 | 0.919 | 11.768 | 21.7 | 170.5 | 0.953D | 22.584A | 1.31 | 0.132 | 148.4 | 166.8 | -60.6 | 0.186 |
| | | 9.14 | 4.90 | 14.04 | ONE | 20.119 | 194.5 | 61.1 | 56.4 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44650.0 | 48680.0 | 0.487 | 186.9 | -4.8 | -0.59 | 1.393 | 74.6 | 0.922 | 11.728 | 32.0 | 170.7 | 0.916D | 22.541A | 1.11 | 0.131 | 148.8 | 166.8 | -60.3 | 0.187 |
| | | 10.42 | 4.91 | 15.33 | ONE | 20.119 | 194.5 | 61.1 | 56.8 | | | | | | | | | | |
| 44660.0 | 48680.0 | 0.555 | 186.4 | -4.0 | -0.50 | 1.391 | 69.6 | 0.926 | 11.672 | 42.5 | 171.1 | 0.865D | 22.479A | 0.98 | 0.130 | 149.3 | 167.0 | -59.8 | 0.188 |
| | | 12.08 | 4.92 | 17.00 | ONE | 20.119 | 194.5 | 61.1 | 57.3 | | | | | | | | | | |
| 44670.0 | 48680.0 | 0.632 | 187.5 | -4.2 | -0.44 | 1.389 | 64.5 | 0.931 | 11.603 | 52.9 | 171.5 | 0.802D | 22.403A | 0.88 | 0.128 | 150.0 | 167.2 | -59.2 | 0.189 |
| | | 14.02 | 4.94 | 18.96 | ONE | 20.119 | 194.5 | 61.1 | 57.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448780.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 48780.0 | 0.605 | 216.4 | -13.1 | 0.61 | 1.392 | 113.5 | 0.927 | 11.338 | 311.1 | 532.2 | 0.824 | 21.852A | 0.20 | 0.119 | 147.2 | 167.5 | -57.7 | 0.183 |
| | | 13.34 | 4.87 | 18.20 | TWO | 18.657 | 193.9 | 60.0 | 60.4 | | | | | | | | | | |
| 44580.0 | 48780.0 | 0.536 | 217.9 | -12.9 | 0.78 | 1.394 | 108.8 | 0.923 | 11.414 | 320.8 | 531.8 | 0.879 | 21.950A | -0.01 | 0.122 | 146.8 | 167.0 | -58.4 | 0.182 |
| | | 11.61 | 4.86 | 16.47 | TWO | 18.657 | 193.9 | 60.0 | 59.7 | | | | | | | | | | |
| 44590.0 | 48780.0 | 0.475 | 217.9 | -11.5 | 1.13 | 1.395 | 104.1 | 0.920 | 11.477 | 330.6 | 531.4 | 0.923 | 22.031A | -0.40 | 0.124 | 146.5 | 166.4 | -59.0 | 0.182 |
| | | 10.14 | 4.85 | 14.99 | TWO | 18.657 | 193.9 | 60.0 | 59.1 | | | | | | | | | | |
| 44600.0 | 48780.0 | 0.426 | 216.5 | -7.0 | 2.18 | 1.395 | 99.3 | 0.917 | 11.526 | 340.5 | 531.2 | 0.956 | 22.095A | -1.49 | 0.125 | 146.3 | 165.4 | -59.3 | 0.181 |
| | | 9.02 | 4.84 | 13.86 | TWO | 18.657 | 193.9 | 60.0 | 58.6 | | | | | | | | | | |
| 44620.0 | 48780.0 | 0.382 | 199.2 | -17.5 | -2.38 | 1.395 | 89.7 | 0.915 | 11.573 | 0.7 | 170.9 | 0.984D | 22.162A | 3.01 | 0.126 | 146.2 | 168.5 | -60.2 | 0.181 |
| | | 8.05 | 4.84 | 12.89 | ONE | 18.657 | 193.9 | 60.0 | 58.2 | | | | | | | | | | |
| 44630.0 | 48780.0 | 0.393 | 194.4 | -10.7 | -1.18 | 1.395 | 84.8 | 0.916 | 11.569 | 10.9 | 171.0 | 0.976D | 22.163A | 1.77 | 0.126 | 146.3 | 167.5 | -60.0 | 0.181 |
| | | 8.28 | 4.84 | 13.12 | ONE | 18.657 | 193.9 | 60.0 | 58.2 | | | | | | | | | | |
| 44640.0 | 48780.0 | 0.429 | 189.9 | -7.1 | -0.80 | 1.394 | 79.9 | 0.917 | 11.549 | 21.2 | 171.1 | 0.954D | 22.144A | 1.36 | 0.126 | 146.6 | 167.3 | -59.8 | 0.182 |
| | | 9.08 | 4.85 | 13.92 | ONE | 18.657 | 193.9 | 60.0 | 58.4 | | | | | | | | | | |
| 44650.0 | 48780.0 | 0.483 | 187.4 | -5.1 | -0.62 | 1.392 | 74.9 | 0.920 | 11.512 | 31.5 | 171.3 | 0.918D | 22.106A | 1.14 | 0.125 | 146.9 | 167.3 | -59.5 | 0.183 |
| | | 10.33 | 4.86 | 15.19 | ONE | 18.657 | 193.9 | 60.0 | 58.8 | | | | | | | | | | |
| 44660.0 | 48780.0 | 0.551 | 186.8 | -4.3 | -0.52 | 1.390 | 69.9 | 0.924 | 11.460 | 41.9 | 171.7 | 0.868D | 22.052A | 0.99 | 0.123 | 147.5 | 167.4 | -59.0 | 0.184 |
| | | 11.97 | 4.87 | 16.84 | ONE | 18.657 | 193.9 | 60.0 | 59.2 | | | | | | | | | | |
| 44670.0 | 48780.0 | 0.627 | 187.9 | -4.4 | -0.46 | 1.388 | 64.8 | 0.929 | 11.396 | 52.4 | 172.1 | 0.806D | 21.986A | 0.89 | 0.121 | 148.2 | 167.6 | -58.4 | 0.185 |
| | | 13.89 | 4.89 | 18.78 | ONE | 18.657 | 193.9 | 60.0 | 59.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448880.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 48880.0 | 0.609 | 216.8 | -13.2 | 0.62 | 1.392 | 113.7 | 0.927 | 11.164 | 310.5 | 532.8 | 0.821 | 21.508A | 0.19 | 0.113 | 145.3 | 167.9 | -56.8 | 0.180 |
| | | 13.42 | 4.83 | 18.25 | TWO | 19.147 | 193.3 | 58.9 | 62.5 | | | | | | | | | | |
| 44580.0 | 48880.0 | 0.539 | 218.4 | -13.1 | 0.78 | 1.393 | 109.0 | 0.922 | 11.235 | 320.3 | 532.4 | 0.876 | 21.593A | -0.01 | 0.115 | 144.9 | 167.4 | -57.5 | 0.179 |
| | | 11.69 | 4.81 | 16.50 | TWO | 19.147 | 193.3 | 58.9 | 61.7 | | | | | | | | | | |
| 44590.0 | 48880.0 | 0.477 | 218.4 | -11.8 | 1.11 | 1.394 | 104.3 | 0.918 | 11.294 | 330.1 | 532.0 | 0.921 | 21.666A | -0.38 | 0.117 | 144.6 | 166.9 | -58.1 | 0.178 |
| | | 10.19 | 4.80 | 15.00 | TWO | 19.147 | 193.3 | 58.9 | 61.1 | | | | | | | | | | |
| 44600.0 | 48880.0 | 0.428 | 217.0 | -7.7 | 2.04 | 1.395 | 99.5 | 0.916 | 11.339 | 340.0 | 531.8 | 0.955 | 21.723A | -1.35 | 0.119 | 144.4 | 165.9 | -58.4 | 0.177 |
| | | 9.05 | 4.80 | 13.85 | TWO | 19.147 | 193.3 | 58.9 | 60.7 | | | | | | | | | | |
| 44610.0 | 48880.0 | 0.497 | 228.4 | 30.0 | 14.84 | 1.395 | 94.8 | 0.914 | 11.369 | 350.0 | 531.6 | 0.976 | 21.762A | -14.19 | 0.120 | 144.3 | 157.3 | -56.7 | 0.180 |
| | | 10.67 | 4.83 | 15.49 | TWO | 19.147 | 193.3 | 58.9 | 60.8 | | | | | | | | | | |
| 44620.0 | 48880.0 | 0.383 | 199.4 | -19.2 | -2.77 | 1.395 | 89.9 | 0.914 | 11.383 | 0.2 | 171.6 | 0.984D | 21.782A | 3.39 | 0.120 | 144.3 | 169.2 | -59.3 | 0.177 |
| | | 8.06 | 4.80 | 12.86 | ONE | 19.147 | 193.3 | 58.9 | 60.2 | | | | | | | | | | |
| 44630.0 | 48880.0 | 0.391 | 195.0 | -11.4 | -1.29 | 1.394 | 85.0 | 0.914 | 11.380 | 10.4 | 171.6 | 0.977D | 21.784A | 1.87 | 0.120 | 144.4 | 168.1 | -59.2 | 0.177 |
| | | 8.25 | 4.80 | 13.04 | ONE | 19.147 | 193.3 | 58.9 | 60.2 | | | | | | | | | | |
| 44640.0 | 48880.0 | 0.426 | 190.5 | -7.5 | -0.86 | 1.393 | 80.1 | 0.916 | 11.362 | 20.7 | 171.7 | 0.956D | 21.768A | 1.40 | 0.120 | 144.6 | 167.8 | -59.0 | 0.178 |
| | | 9.01 | 4.80 | 13.82 | ONE | 19.147 | 193.3 | 58.9 | 60.4 | | | | | | | | | | |
| 44650.0 | 48880.0 | 0.479 | 187.9 | -5.4 | -0.66 | 1.392 | 75.2 | 0.919 | 11.328 | 31.0 | 171.9 | 0.920D | 21.735A | 1.16 | 0.118 | 145.0 | 167.8 | -58.6 | 0.179 |
| | | 10.25 | 4.81 | 15.06 | ONE | 19.147 | 193.3 | 58.9 | 60.7 | | | | | | | | | | |
| 44660.0 | 48880.0 | 0.546 | 187.3 | -4.6 | -0.55 | 1.390 | 70.2 | 0.923 | 11.280 | 41.4 | 172.2 | 0.871D | 21.689A | 1.01 | 0.117 | 145.5 | 167.8 | -58.2 | 0.180 |
| | | 11.86 | 4.83 | 16.68 | ONE | 19.147 | 193.3 | 58.9 | 61.2 | | | | | | | | | | |
| 44670.0 | 48880.0 | 0.622 | 188.3 | -4.6 | -0.48 | 1.388 | 65.1 | 0.928 | 11.221 | 51.8 | 172.6 | 0.810D | 21.631A | 0.90 | 0.115 | 146.2 | 168.0 | -57.6 | 0.181 |
| | | 13.76 | 4.84 | 18.60 | ONE | 19.147 | 193.3 | 58.9 | 61.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448980.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 48980.0 | 0.612 | 217.3 | -13.3 | 0.62 | 1.391 | 114.0 | 0.926 | 11.015 | 310.0 | 533.3 | 0.817 | 21.213A | 0.19 | 0.107 | 143.2 | 168.3 | -56.0 | 0.177 |
| | | 13.52 | 4.79 | 18.31 | TWO | 20.513 | 192.7 | 57.8 | 64.5 | | | | | | | | | | |
| 44580.0 | 48980.0 | 0.543 | 218.9 | -13.2 | 0.78 | 1.393 | 109.3 | 0.921 | 11.081 | 319.7 | 533.0 | 0.873 | 21.289A | -0.01 | 0.109 | 142.8 | 167.8 | -56.7 | 0.175 |
| | | 11.77 | 4.78 | 16.54 | TWO | 20.513 | 192.7 | 57.8 | 63.8 | | | | | | | | | | |
| 44590.0 | 48980.0 | 0.480 | 219.0 | -12.0 | 1.09 | 1.394 | 104.5 | 0.917 | 11.136 | 329.6 | 532.6 | 0.919 | 21.353A | -0.36 | 0.111 | 142.5 | 167.3 | -57.2 | 0.175 |
| | | 10.26 | 4.77 | 15.02 | TWO | 20.513 | 192.7 | 57.8 | 63.1 | | | | | | | | | | |
| 44600.0 | 48980.0 | 0.429 | 217.6 | -8.3 | 1.92 | 1.394 | 99.8 | 0.915 | 11.179 | 339.5 | 532.4 | 0.954 | 21.404A | -1.23 | 0.113 | 142.3 | 166.5 | -57.6 | 0.174 |
| | | 9.09 | 4.76 | 13.85 | TWO | 20.513 | 192.7 | 57.8 | 62.7 | | | | | | | | | | |
| 44610.0 | 48980.0 | 0.434 | 221.8 | 15.6 | 9.04 | 1.395 | 95.0 | 0.913 | 11.207 | 349.5 | 532.3 | 0.975 | 21.439A | -8.38 | 0.114 | 142.2 | 161.3 | -56.9 | 0.175 |
| | | 9.20 | 4.77 | 13.97 | TWO | 20.513 | 192.7 | 57.8 | 62.5 | | | | | | | | | | |
| 44620.0 | 48980.0 | 0.384 | 199.6 | -21.2 | -3.29 | 1.394 | 90.1 | 0.912 | 11.221 | 359.7 | 532.2 | 0.984 | 21.458A | 3.90 | 0.114 | 142.2 | 170.0 | -58.5 | 0.174 |
| | | 8.09 | 4.76 | 12.85 | ONE | 20.513 | 192.7 | 57.8 | 62.2 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44630.0 | 48980.0 | 0.390 | 195.6 | -12.1 | -1.41 | 1.394 | 85.3 | 0.913 | 11.219 | 9.9 | 172.2 | 0.978D | 21.460A | 1.99 | 0.114 | 142.3 | 168.6 | -58.4 | 0.174 |
| | | 8.21 | 4.76 | 12.97 | ONE | 20.513 | 192.7 | 57.8 | 62.2 | | | | | | | | | | |
| 44640.0 | 48980.0 | 0.423 | 191.2 | -8.0 | -0.92 | 1.393 | 80.4 | 0.915 | 11.202 | 20.1 | 172.3 | 0.957D | 21.446A | 1.46 | 0.114 | 142.6 | 168.3 | -58.2 | 0.174 |
| | | 8.95 | 4.76 | 13.71 | ONE | 20.513 | 192.7 | 57.8 | 62.4 | | | | | | | | | | |
| 44650.0 | 48980.0 | 0.476 | 188.5 | -5.8 | -0.70 | 1.391 | 75.4 | 0.917 | 11.170 | 30.5 | 172.5 | 0.922D | 21.418A | 1.19 | 0.113 | 142.9 | 168.2 | -57.8 | 0.175 |
| | | 10.16 | 4.77 | 14.93 | ONE | 20.513 | 192.7 | 57.8 | 62.7 | | | | | | | | | | |
| 44660.0 | 48980.0 | 0.542 | 187.8 | -4.9 | -0.58 | 1.389 | 70.5 | 0.921 | 11.126 | 40.8 | 172.8 | 0.874D | 21.378A | 1.03 | 0.111 | 143.4 | 168.3 | -57.4 | 0.176 |
| | | 11.74 | 4.79 | 16.53 | ONE | 20.513 | 192.7 | 57.8 | 63.2 | | | | | | | | | | |
| 44670.0 | 48980.0 | 0.617 | 188.7 | -4.9 | -0.51 | 1.388 | 65.4 | 0.926 | 11.071 | 51.2 | 173.1 | 0.814D | 21.327A | 0.91 | 0.109 | 144.1 | 168.4 | -56.8 | 0.178 |
| | | 13.63 | 4.81 | 18.43 | ONE | 20.513 | 192.7 | 57.8 | 63.7 | | | | | | | | | | |
| ARRIVAL DATE = 2449080.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 49080.0 | 0.616 | 217.7 | -13.5 | 0.63 | 1.391 | 114.3 | 0.925 | 10.887 | 309.4 | 533.9 | 0.813 | 20.961A | 0.19 | 0.101 | 140.9 | 168.7 | -55.1 | 0.174 |
| | | 13.62 | 4.76 | 18.38 | TWO | 19.717 | 192.2 | 56.7 | 66.5 | | | | | | | | | | |
| 44580.0 | 49080.0 | 0.546 | 219.4 | -13.4 | 0.78 | 1.392 | 109.5 | 0.921 | 10.949 | 319.2 | 533.5 | 0.870 | 21.029A | -0.01 | 0.104 | 140.6 | 168.2 | -55.8 | 0.173 |
| | | 11.85 | 4.74 | 16.60 | TWO | 19.717 | 192.2 | 56.7 | 65.8 | | | | | | | | | | |
| 44590.0 | 49080.0 | 0.483 | 219.6 | -12.3 | 1.08 | 1.393 | 104.8 | 0.917 | 11.001 | 329.0 | 533.2 | 0.917 | 21.086A | -0.35 | 0.106 | 140.3 | 167.7 | -56.4 | 0.172 |
| | | 10.33 | 4.73 | 15.06 | TWO | 19.717 | 192.2 | 56.7 | 65.2 | | | | | | | | | | |
| 44600.0 | 49080.0 | 0.431 | 218.2 | -8.9 | 1.82 | 1.394 | 100.0 | 0.914 | 11.041 | 339.0 | 533.0 | 0.952 | 21.131A | -1.13 | 0.108 | 140.1 | 166.9 | -56.8 | 0.171 |
| | | 9.13 | 4.73 | 13.86 | TWO | 19.717 | 192.2 | 56.7 | 64.7 | | | | | | | | | | |
| 44610.0 | 49080.0 | 0.416 | 219.6 | 8.3 | 6.59 | 1.394 | 95.2 | 0.912 | 11.068 | 349.0 | 532.8 | 0.975 | 21.162A | -5.94 | 0.109 | 140.1 | 163.4 | -56.5 | 0.171 |
| | | 8.79 | 4.73 | 13.52 | TWO | 19.717 | 192.2 | 56.7 | 64.4 | | | | | | | | | | |
| 44620.0 | 49080.0 | 0.387 | 199.5 | -23.9 | -3.97 | 1.394 | 90.4 | 0.911 | 11.081 | 359.2 | 532.8 | 0.984 | 21.179A | 4.59 | 0.109 | 140.1 | 170.9 | -57.7 | 0.171 |
| | | 8.15 | 4.72 | 12.87 | ONE | 19.717 | 192.2 | 56.7 | 64.3 | | | | | | | | | | |
| 44630.0 | 49080.0 | 0.388 | 196.3 | -12.9 | -1.55 | 1.393 | 85.5 | 0.912 | 11.080 | 9.3 | 172.8 | 0.978D | 21.182A | 2.12 | 0.109 | 140.2 | 169.1 | -57.5 | 0.171 |
| | | 8.18 | 4.72 | 12.91 | ONE | 19.717 | 192.2 | 56.7 | 64.2 | | | | | | | | | | |
| 44640.0 | 49080.0 | 0.420 | 191.8 | -8.6 | -0.98 | 1.392 | 80.7 | 0.913 | 11.065 | 19.6 | 172.9 | 0.959D | 21.171A | 1.51 | 0.108 | 140.4 | 168.7 | -57.3 | 0.171 |
| | | 8.89 | 4.73 | 13.62 | ONE | 19.717 | 192.2 | 56.7 | 64.4 | | | | | | | | | | |
| 44650.0 | 49080.0 | 0.472 | 189.1 | -6.2 | -0.74 | 1.391 | 75.7 | 0.916 | 11.036 | 29.9 | 173.1 | 0.925D | 21.146A | 1.22 | 0.107 | 140.7 | 168.6 | -57.0 | 0.172 |
| | | 10.07 | 4.74 | 14.81 | ONE | 19.717 | 192.2 | 56.7 | 64.7 | | | | | | | | | | |
| 44660.0 | 49080.0 | 0.537 | 188.3 | -5.2 | -0.60 | 1.389 | 70.8 | 0.920 | 10.994 | 40.2 | 173.3 | 0.878D | 21.111A | 1.05 | 0.106 | 141.2 | 168.6 | -56.6 | 0.173 |
| | | 11.63 | 4.75 | 16.38 | ONE | 19.717 | 192.2 | 56.7 | 65.1 | | | | | | | | | | |
| 44670.0 | 49080.0 | 0.611 | 189.2 | -5.1 | -0.53 | 1.387 | 65.8 | 0.925 | 10.943 | 50.6 | 173.7 | 0.818D | 21.067A | 0.92 | 0.104 | 141.8 | 168.8 | -56.0 | 0.175 |
| | | 13.49 | 4.77 | 18.26 | ONE | 19.717 | 192.2 | 56.7 | 65.7 | | | | | | | | | | |
| ARRIVAL DATE = 2449180.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 49180.0 | 0.621 | 218.2 | -13.7 | 0.63 | 1.391 | 114.5 | 0.925 | 10.778 | 308.8 | 534.4 | 0.810 | 20.746A | 0.18 | 0.096 | 138.6 | 169.0 | -54.3 | 0.171 |
| | | 13.73 | 4.73 | 18.46 | TWO | 18.582 | 191.7 | 55.7 | 68.5 | | | | | | | | | | |
| 44580.0 | 49180.0 | 0.550 | 220.0 | -13.6 | 0.78 | 1.392 | 109.8 | 0.920 | 10.836 | 318.6 | 534.1 | 0.867 | 20.806A | -0.01 | 0.099 | 138.2 | 168.6 | -55.0 | 0.170 |
| | | 11.95 | 4.72 | 16.66 | TWO | 18.582 | 191.7 | 55.7 | 67.8 | | | | | | | | | | |
| 44590.0 | 49180.0 | 0.486 | 220.3 | -12.6 | 1.06 | 1.393 | 105.1 | 0.916 | 10.885 | 328.5 | 533.8 | 0.915 | 20.856A | -0.33 | 0.101 | 138.0 | 168.1 | -55.5 | 0.169 |
| | | 10.40 | 4.70 | 15.10 | TWO | 18.582 | 191.7 | 55.7 | 67.1 | | | | | | | | | | |
| 44600.0 | 49180.0 | 0.433 | 218.9 | -9.4 | 1.74 | 1.394 | 100.3 | 0.913 | 10.924 | 338.4 | 533.6 | 0.950 | 20.897A | -1.05 | 0.102 | 137.8 | 167.4 | -55.9 | 0.168 |
| | | 9.18 | 4.70 | 13.88 | TWO | 18.582 | 191.7 | 55.7 | 66.7 | | | | | | | | | | |
| 44610.0 | 49180.0 | 0.409 | 218.8 | 3.9 | 5.25 | 1.394 | 95.5 | 0.911 | 10.949 | 348.4 | 533.4 | 0.974 | 20.925A | -4.60 | 0.104 | 137.8 | 164.7 | -55.8 | 0.168 |
| | | 8.63 | 4.69 | 13.33 | TWO | 18.582 | 191.7 | 55.7 | 66.4 | | | | | | | | | | |
| 44620.0 | 49180.0 | 0.391 | 199.0 | -27.4 | -4.95 | 1.394 | 90.7 | 0.910 | 10.962 | 358.6 | 533.3 | 0.984 | 20.941A | 5.56 | 0.104 | 137.8 | 172.0 | -57.0 | 0.168 |
| | | 8.25 | 4.69 | 12.94 | ONE | 18.582 | 191.7 | 55.7 | 66.2 | | | | | | | | | | |
| 44630.0 | 49180.0 | 0.387 | 196.9 | -13.8 | -1.71 | 1.393 | 85.8 | 0.911 | 10.961 | 8.8 | 173.3 | 0.979D | 20.944A | 2.27 | 0.104 | 137.9 | 169.6 | -56.7 | 0.168 |
| | | 8.16 | 4.69 | 12.85 | ONE | 18.582 | 191.7 | 55.7 | 66.2 | | | | | | | | | | |
| 44640.0 | 49180.0 | 0.418 | 192.5 | -9.1 | -1.05 | 1.392 | 80.9 | 0.912 | 10.947 | 19.0 | 173.4 | 0.960D | 20.934A | 1.57 | 0.103 | 138.1 | 169.1 | -56.5 | 0.168 |
| | | 8.83 | 4.70 | 13.52 | ONE | 18.582 | 191.7 | 55.7 | 66.3 | | | | | | | | | | |
| 44650.0 | 49180.0 | 0.468 | 189.7 | -6.6 | -0.78 | 1.390 | 76.0 | 0.915 | 10.920 | 29.3 | 173.6 | 0.927D | 20.913A | 1.26 | 0.102 | 138.4 | 169.0 | -56.2 | 0.169 |
| | | 9.98 | 4.71 | 14.69 | ONE | 18.582 | 191.7 | 55.7 | 66.6 | | | | | | | | | | |
| 44660.0 | 49180.0 | 0.532 | 188.8 | -5.5 | -0.63 | 1.389 | 71.1 | 0.919 | 10.882 | 39.6 | 173.8 | 0.881D | 20.883A | 1.07 | 0.101 | 138.8 | 169.0 | -55.8 | 0.170 |
| | | 11.52 | 4.72 | 16.24 | ONE | 18.582 | 191.7 | 55.7 | 67.0 | | | | | | | | | | |
| 44670.0 | 49180.0 | 0.606 | 189.6 | -5.4 | -0.55 | 1.387 | 66.1 | 0.924 | 10.833 | 50.0 | 174.1 | 0.822D | 20.844A | 0.93 | 0.099 | 139.4 | 169.1 | -55.2 | 0.172 |
| | | 13.36 | 4.74 | 18.10 | ONE | 18.582 | 191.7 | 55.7 | 67.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449280.0 | | | | | | | | | | | | | | | | | | | |
| 44570.0 | 49280.0 | 0.625 | 218.7 | -13.8 | 0.64 | 1.390 | 114.8 | 0.925 | 10.684 | 308.2 | 534.9 | 0.806 | 20.562A | 0.18 | 0.091 | 136.1 | 169.3 | -53.5 | 0.169 |
| | | 13.85 | 4.71 | 18.55 | TWO | 19.722 | 191.2 | 54.6 | 70.5 | | | | | | | | | | |
| 44580.0 | 49280.0 | 0.554 | 220.6 | -13.8 | 0.78 | 1.392 | 110.1 | 0.920 | 10.739 | 318.0 | 534.6 | 0.864 | 20.615A | -0.01 | 0.094 | 135.8 | 168.9 | -54.2 | 0.168 |
| | | 12.05 | 4.69 | 16.74 | TWO | 19.722 | 191.2 | 54.6 | 69.7 | | | | | | | | | | |
| 44590.0 | 49280.0 | 0.489 | 220.9 | -12.8 | 1.05 | 1.393 | 105.3 | 0.915 | 10.786 | 327.9 | 534.3 | 0.912 | 20.660A | -0.32 | 0.096 | 135.5 | 168.5 | -54.7 | 0.167 |
| | | 10.48 | 4.68 | 15.16 | TWO | 19.722 | 191.2 | 54.6 | 69.1 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44600.0 | 49280.0 | 0.436 | 219.6 | -10.0 | 1.66 | 1.393 | 100.6 | 0.912 | 10.822 | 337.8 | 534.1 | 0.949 | 20.696A | -0.98 | 0.098 | 135.4 | 167.8 | -55.1 | 0.166 |
| | | 9.24 | 4.67 | 13.91 | TWO | 19.722 | 191.2 | 54.6 | 68.6 | | | | | | | | | | |
| 44610.0 | 49280.0 | 0.406 | 218.6 | 0.9 | 4.40 | 1.393 | 95.8 | 0.910 | 10.847 | 347.9 | 534.0 | 0.973 | 20.722A | -3.76 | 0.099 | 135.3 | 165.7 | -55.1 | 0.165 |
| | | 8.57 | 4.67 | 13.23 | TWO | 19.722 | 191.2 | 54.6 | 68.3 | | | | | | | | | | |
| 44620.0 | 49280.0 | 0.401 | 197.6 | -32.5 | -6.46 | 1.393 | 90.9 | 0.909 | 10.860 | 358.0 | 533.9 | 0.983 | 20.736A | 7.06 | 0.099 | 135.4 | 173.5 | -56.3 | 0.166 |
| | | 8.45 | 4.67 | 13.12 | ONE | 19.722 | 191.2 | 54.6 | 68.2 | | | | | | | | | | |
| 44630.0 | 49280.0 | 0.386 | 197.6 | -14.8 | -1.89 | 1.393 | 86.1 | 0.910 | 10.859 | 8.2 | 173.9 | 0.980D | 20.739A | 2.44 | 0.099 | 135.4 | 170.1 | -56.0 | 0.165 |
| | | 8.13 | 4.67 | 12.80 | ONE | 19.722 | 191.2 | 54.6 | 68.1 | | | | | | | | | | |
| 44640.0 | 49280.0 | 0.415 | 193.2 | -9.7 | -1.13 | 1.392 | 81.2 | 0.911 | 10.847 | 18.4 | 174.0 | 0.962D | 20.731A | 1.64 | 0.099 | 135.6 | 169.5 | -55.8 | 0.166 |
| | | 8.77 | 4.67 | 13.44 | ONE | 19.722 | 191.2 | 54.6 | 68.3 | | | | | | | | | | |
| 44650.0 | 49280.0 | 0.464 | 190.3 | -7.0 | -0.82 | 1.390 | 76.3 | 0.914 | 10.822 | 28.7 | 174.1 | 0.930D | 20.714A | 1.29 | 0.098 | 135.9 | 169.4 | -55.4 | 0.167 |
| | | 9.89 | 4.68 | 14.57 | ONE | 19.722 | 191.2 | 54.6 | 68.5 | | | | | | | | | | |
| 44660.0 | 49280.0 | 0.528 | 189.4 | -5.8 | -0.66 | 1.388 | 71.4 | 0.918 | 10.786 | 39.0 | 174.3 | 0.884D | 20.687A | 1.09 | 0.096 | 136.3 | 169.4 | -55.0 | 0.168 |
| | | 11.40 | 4.69 | 16.10 | ONE | 19.722 | 191.2 | 54.6 | 68.9 | | | | | | | | | | |
| 44670.0 | 49280.0 | 0.601 | 190.1 | -5.7 | -0.57 | 1.387 | 66.4 | 0.923 | 10.740 | 49.3 | 174.6 | 0.827D | 20.653A | 0.95 | 0.094 | 136.9 | 169.4 | -54.5 | 0.170 |
| | | 13.22 | 4.71 | 17.93 | ONE | 19.722 | 191.2 | 54.6 | 69.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449480.0 | | | | | | | | | | | |
| 44570.0 | 49480.0 | 0.635 | 219.7 | -14.1 | 0.65 | 1.390 | 115.4 | 0.924 | 10.535 | 306.9 | 535.9 | 0.797 | 20.274A | 0.17 | 0.083 | 130.6 | 169.9 | -51.9 | 0.166 |
| | | 14.09 | 4.67 | 18.76 | TWO | 19.272 | 190.4 | 52.4 | 74.3 | | | | | | | | | | |
| 44580.0 | 49480.0 | 0.562 | 221.7 | -14.2 | 0.78 | 1.391 | 110.7 | 0.919 | 10.586 | 316.7 | 535.6 | 0.857 | 20.315A | -0.01 | 0.086 | 130.4 | 169.6 | -52.6 | 0.164 |
| | | 12.26 | 4.65 | 16.91 | TWO | 19.272 | 190.4 | 52.4 | 73.6 | | | | | | | | | | |
| 44590.0 | 49480.0 | 0.497 | 222.3 | -13.4 | 1.02 | 1.392 | 105.9 | 0.915 | 10.628 | 326.6 | 535.3 | 0.907 | 20.350A | -0.30 | 0.088 | 130.2 | 169.1 | -53.2 | 0.163 |
| | | 10.65 | 4.64 | 15.29 | TWO | 19.272 | 190.4 | 52.4 | 73.0 | | | | | | | | | | |
| 44600.0 | 49480.0 | 0.441 | 221.1 | -10.9 | 1.54 | 1.393 | 101.1 | 0.911 | 10.662 | 336.6 | 535.1 | 0.945 | 20.379A | -0.87 | 0.090 | 130.2 | 168.6 | -53.6 | 0.162 |
| | | 9.36 | 4.63 | 13.99 | TWO | 19.272 | 190.4 | 52.4 | 72.5 | | | | | | | | | | |
| 44610.0 | 49480.0 | 0.405 | 219.2 | -3.1 | 3.39 | 1.393 | 96.4 | 0.909 | 10.685 | 346.7 | 535.0 | 0.971 | 20.399A | -2.75 | 0.091 | 130.1 | 167.1 | -53.7 | 0.161 |
| | | 8.55 | 4.62 | 13.17 | TWO | 19.272 | 190.4 | 52.4 | 72.2 | | | | | | | | | | |
| 44620.0 | 49480.0 | 0.484 | 184.5 | -54.1 | -14.58 | 1.393 | 91.5 | 0.908 | 10.697 | 356.9 | 534.9 | 0.983 | 20.411A | 15.17 | 0.091 | 130.2 | 179.9 | -54.9 | 0.164 |
| | | 10.35 | 4.65 | 15.00 | ONE | 19.272 | 190.4 | 52.4 | 72.3 | | | | | | | | | | |
| 44630.0 | 49480.0 | 0.385 | 198.9 | -17.2 | -2.34 | 1.392 | 86.7 | 0.908 | 10.698 | 7.0 | 174.9 | 0.981D | 20.415A | 2.89 | 0.091 | 130.3 | 171.0 | -54.5 | 0.161 |
| | | 8.10 | 4.62 | 12.72 | ONE | 19.272 | 190.4 | 52.4 | 71.9 | | | | | | | | | | |
| 44640.0 | 49480.0 | 0.410 | 194.7 | -11.0 | -1.30 | 1.391 | 81.8 | 0.910 | 10.687 | 17.2 | 175.0 | 0.965D | 20.410A | 1.80 | 0.091 | 130.4 | 170.3 | -54.3 | 0.162 |
| | | 8.65 | 4.63 | 13.28 | ONE | 19.272 | 190.4 | 52.4 | 72.0 | | | | | | | | | | |
| 44650.0 | 49480.0 | 0.457 | 191.7 | -8.0 | -0.92 | 1.390 | 76.9 | 0.912 | 10.666 | 27.4 | 175.1 | 0.935D | 20.397A | 1.37 | 0.090 | 130.6 | 170.0 | -54.0 | 0.162 |
| | | 9.71 | 4.63 | 14.35 | ONE | 19.272 | 190.4 | 52.4 | 72.3 | | | | | | | | | | |
| 44660.0 | 49480.0 | 0.518 | 190.6 | -6.6 | -0.73 | 1.388 | 72.0 | 0.916 | 10.634 | 37.7 | 175.3 | 0.891D | 20.377A | 1.13 | 0.088 | 131.0 | 170.0 | -53.6 | 0.164 |
| | | 11.18 | 4.65 | 15.82 | ONE | 19.272 | 190.4 | 52.4 | 72.7 | | | | | | | | | | |
| 44670.0 | 49480.0 | 0.590 | 191.1 | -6.2 | -0.62 | 1.386 | 67.1 | 0.921 | 10.593 | 48.0 | 175.5 | 0.835D | 20.351A | 0.97 | 0.086 | 131.5 | 170.0 | -53.1 | 0.165 |
| | | 12.95 | 4.67 | 17.62 | ONE | 19.272 | 190.4 | 52.4 | 73.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449680.0 | | | | | | | | | | | |
| 44570.0 | 49680.0 | 0.645 | 220.7 | -14.5 | 0.66 | 1.390 | 116.1 | 0.924 | 10.429 | 305.5 | 536.7 | 0.788 | 20.070A | 0.17 | 0.076 | 124.4 | 170.4 | -50.5 | 0.163 |
| | | 14.36 | 4.64 | 19.00 | TWO | 20.261 | 189.6 | 50.2 | 77.9 | | | | | | | | | | |
| 44580.0 | 49680.0 | 0.572 | 222.9 | -14.6 | 0.78 | 1.391 | 111.3 | 0.919 | 10.475 | 315.4 | 536.5 | 0.849 | 20.101A | -0.01 | 0.079 | 124.4 | 170.1 | -51.2 | 0.161 |
| | | 12.49 | 4.62 | 17.12 | TWO | 20.261 | 189.6 | 50.2 | 77.3 | | | | | | | | | | |
| 44590.0 | 49680.0 | 0.505 | 223.6 | -13.9 | 1.00 | 1.392 | 106.5 | 0.914 | 10.515 | 325.3 | 536.2 | 0.901 | 20.129A | -0.28 | 0.081 | 124.4 | 169.7 | -51.7 | 0.160 |
| | | 10.84 | 4.61 | 15.45 | TWO | 20.261 | 189.6 | 50.2 | 76.7 | | | | | | | | | | |
| 44600.0 | 49680.0 | 0.447 | 222.6 | -11.7 | 1.45 | 1.392 | 101.8 | 0.911 | 10.546 | 335.3 | 536.1 | 0.941 | 20.151A | -0.78 | 0.083 | 124.4 | 169.2 | -52.1 | 0.159 |
| | | 9.50 | 4.60 | 14.10 | TWO | 20.261 | 189.6 | 50.2 | 76.2 | | | | | | | | | | |
| 44610.0 | 49680.0 | 0.407 | 220.4 | -5.7 | 2.80 | 1.393 | 97.0 | 0.908 | 10.568 | 345.4 | 535.9 | 0.968 | 20.167A | -2.17 | 0.084 | 124.4 | 168.1 | -52.3 | 0.158 |
| | | 8.59 | 4.59 | 13.18 | TWO | 20.261 | 189.6 | 50.2 | 75.9 | | | | | | | | | | |
| 44630.0 | 49680.0 | 0.384 | 200.0 | -20.2 | -3.00 | 1.392 | 87.3 | 0.907 | 10.581 | 5.7 | 175.8 | 0.982D | 20.180A | 3.54 | 0.084 | 124.6 | 172.0 | -53.1 | 0.158 |
| | | 8.10 | 4.59 | 12.69 | ONE | 20.261 | 189.6 | 50.2 | 75.6 | | | | | | | | | | |
| 44640.0 | 49680.0 | 0.405 | 196.3 | -12.5 | -1.50 | 1.391 | 82.4 | 0.908 | 10.573 | 15.9 | 175.9 | 0.968D | 20.177A | 1.99 | 0.084 | 124.7 | 170.9 | -52.9 | 0.158 |
| | | 8.55 | 4.59 | 13.14 | ONE | 20.261 | 189.6 | 50.2 | 75.7 | | | | | | | | | | |
| 44650.0 | 49680.0 | 0.449 | 193.1 | -9.0 | -1.02 | 1.389 | 77.6 | 0.911 | 10.554 | 26.1 | 176.0 | 0.940D | 20.168A | 1.46 | 0.083 | 124.9 | 170.6 | -52.6 | 0.159 |
| | | 9.54 | 4.60 | 14.14 | ONE | 20.261 | 189.6 | 50.2 | 75.9 | | | | | | | | | | |
| 44660.0 | 49680.0 | 0.509 | 191.8 | -7.3 | -0.79 | 1.388 | 72.7 | 0.915 | 10.526 | 36.3 | 176.1 | 0.898D | 20.154A | 1.19 | 0.081 | 125.1 | 170.5 | -52.3 | 0.160 |
| | | 10.95 | 4.61 | 15.56 | ONE | 20.261 | 189.6 | 50.2 | 76.3 | | | | | | | | | | |
| 44670.0 | 49680.0 | 0.579 | 192.2 | -6.8 | -0.67 | 1.386 | 67.8 | 0.920 | 10.489 | 46.6 | 176.3 | 0.844D | 20.135A | 1.01 | 0.079 | 125.5 | 170.5 | -51.8 | 0.162 |
| | | 12.68 | 4.63 | 17.31 | ONE | 20.261 | 189.6 | 50.2 | 76.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449880.0 | | | | | | | | | | | |
| 44580.0 | 49880.0 | 0.582 | 224.1 | -15.0 | 0.78 | 1.391 | 112.0 | 0.919 | 10.398 | 314.0 | 537.3 | 0.841 | 19.955A | -0.01 | 0.073 | 117.9 | 170.5 | -49.9 | 0.160 |
| | | 12.74 | 4.61 | 17.35 | TWO | 18.916 | 188.9 | 48.0 | 80.8 | | | | | | | | | | |

1980
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44590.0 | 49880.0 | 0.513 | 225.1 | -14.4 | 0.98 | 1.392 | 107.2 | 0.914 | 10.435 | 324.0 | 537.1 | 0.894 | 19.976A | -0.26 | 0.075 | 118.1 | 170.2 | -50.4 | 0.158 |
| | | 11.05 | 4.59 | 15.64 | TWO | 18.916 | 188.9 | 48.0 | 80.2 | | | | | | | | | | |
| 44600.0 | 49880.0 | 0.454 | 224.2 | -12.6 | 1.37 | 1.392 | 102.4 | 0.911 | 10.464 | 334.0 | 536.9 | 0.936 | 19.993A | -0.70 | 0.077 | 118.2 | 169.7 | -50.8 | 0.157 |
| | | 9.66 | 4.57 | 14.23 | TWO | 18.916 | 188.9 | 48.0 | 79.8 | | | | | | | | | | |
| 44610.0 | 49880.0 | 0.411 | 221.9 | -7.6 | 2.42 | 1.392 | 97.6 | 0.908 | 10.485 | 344.0 | 536.8 | 0.965 | 20.005A | -1.80 | 0.078 | 118.3 | 168.8 | -51.0 | 0.156 |
| | | 8.67 | 4.57 | 13.24 | TWO | 18.916 | 188.9 | 48.0 | 79.4 | | | | | | | | | | |
| 44620.0 | 49880.0 | 0.452 | 227.3 | 22.9 | 11.75 | 1.392 | 92.8 | 0.907 | 10.497 | 354.1 | 536.8 | 0.981 | 20.013A | -11.18 | 0.079 | 118.4 | 162.6 | -50.0 | 0.157 |
| | | 9.60 | 4.58 | 14.18 | TWO | 18.916 | 188.9 | 48.0 | 79.4 | | | | | | | | | | |
| 44630.0 | 49880.0 | 0.387 | 200.8 | -24.6 | -4.03 | 1.391 | 87.9 | 0.906 | 10.500 | 4.4 | 176.7 | 0.983D | 20.016A | 4.56 | 0.079 | 118.5 | 173.2 | -51.9 | 0.156 |
| | | 8.15 | 4.56 | 12.71 | ONE | 18.916 | 188.9 | 48.0 | 79.2 | | | | | | | | | | |
| 44640.0 | 49880.0 | 0.401 | 198.0 | -14.2 | -1.75 | 1.390 | 83.1 | 0.907 | 10.493 | 14.5 | 176.8 | 0.971D | 20.015A | 2.23 | 0.079 | 118.6 | 171.6 | -51.6 | 0.156 |
| | | 8.45 | 4.57 | 13.01 | ONE | 18.916 | 188.9 | 48.0 | 79.2 | | | | | | | | | | |
| 44650.0 | 49880.0 | 0.442 | 194.7 | -10.1 | -1.14 | 1.389 | 78.2 | 0.910 | 10.476 | 24.7 | 176.8 | 0.945D | 20.008A | 1.57 | 0.078 | 118.7 | 171.1 | -51.4 | 0.157 |
| | | 9.37 | 4.57 | 13.95 | ONE | 18.916 | 188.9 | 48.0 | 79.4 | | | | | | | | | | |
| 44660.0 | 49880.0 | 0.500 | 193.1 | -8.1 | -0.87 | 1.387 | 73.4 | 0.913 | 10.451 | 34.9 | 177.0 | 0.905D | 19.998A | 1.24 | 0.076 | 118.8 | 171.0 | -51.1 | 0.158 |
| | | 10.73 | 4.59 | 15.31 | ONE | 18.916 | 188.9 | 48.0 | 79.7 | | | | | | | | | | |
| 44670.0 | 49880.0 | 0.568 | 193.4 | -7.5 | -0.72 | 1.386 | 68.5 | 0.918 | 10.418 | 45.1 | 177.1 | 0.852D | 19.984A | 1.04 | 0.074 | 119.0 | 171.0 | -50.7 | 0.160 |
| | | 12.41 | 4.60 | 17.01 | ONE | 18.916 | 188.9 | 48.0 | 80.1 | | | | | | | | | | |
| 44680.0 | 49880.0 | 0.644 | 195.0 | -7.7 | -0.63 | 1.383 | 63.5 | 0.924 | 10.379 | 55.3 | 177.3 | 0.789D | 19.969A | 0.89 | 0.072 | 119.3 | 171.0 | -50.2 | 0.162 |
| | | 14.34 | 4.63 | 18.96 | ONE | 18.916 | 188.9 | 48.0 | 80.6 | | | | | | | | | | |

ARRIVAL DATE = 2450080.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44580.0 | 50080.0 | 0.592 | 225.4 | -15.4 | 0.78 | 1.390 | 112.7 | 0.920 | 10.348 | 312.5 | 538.1 | 0.832 | 19.863A | -0.01 | 0.069 | 110.9 | 170.9 | -48.8 | 0.158 |
| | | 13.01 | 4.59 | 17.61 | TWO | 20.637 | 188.2 | 45.9 | 84.1 | | | | | | | | | | |
| 44590.0 | 50080.0 | 0.523 | 226.5 | -14.9 | 0.96 | 1.391 | 107.9 | 0.915 | 10.382 | 322.5 | 537.9 | 0.887 | 19.878A | -0.25 | 0.071 | 111.3 | 170.6 | -49.3 | 0.157 |
| | | 11.28 | 4.57 | 15.86 | TWO | 20.637 | 188.2 | 45.9 | 83.6 | | | | | | | | | | |
| 44600.0 | 50080.0 | 0.462 | 225.9 | -13.3 | 1.31 | 1.392 | 103.1 | 0.911 | 10.410 | 332.6 | 537.8 | 0.931 | 19.890A | -0.65 | 0.073 | 111.6 | 170.2 | -49.7 | 0.155 |
| | | 9.83 | 4.56 | 14.39 | TWO | 20.637 | 188.2 | 45.9 | 83.2 | | | | | | | | | | |
| 44610.0 | 50080.0 | 0.415 | 223.6 | -9.2 | 2.15 | 1.392 | 98.2 | 0.908 | 10.431 | 342.7 | 537.6 | 0.962 | 19.899A | -1.54 | 0.074 | 111.9 | 169.4 | -49.9 | 0.154 |
| | | 8.77 | 4.55 | 13.32 | TWO | 20.637 | 188.2 | 45.9 | 82.8 | | | | | | | | | | |
| 44620.0 | 50080.0 | 0.407 | 223.5 | 7.7 | 6.63 | 1.392 | 93.4 | 0.906 | 10.443 | 352.8 | 537.6 | 0.980 | 19.905A | -6.07 | 0.075 | 112.0 | 166.3 | -49.6 | 0.154 |
| | | 8.59 | 4.55 | 13.14 | TWO | 20.637 | 188.2 | 45.9 | 82.7 | | | | | | | | | | |
| 44630.0 | 50080.0 | 0.396 | 200.2 | -31.5 | -5.90 | 1.391 | 88.6 | 0.906 | 10.446 | 3.0 | 177.6 | 0.984D | 19.908A | 6.41 | 0.075 | 112.1 | 174.8 | -50.9 | 0.154 |
| | | 8.34 | 4.55 | 12.89 | ONE | 20.637 | 188.2 | 45.9 | 82.6 | | | | | | | | | | |
| 44640.0 | 50080.0 | 0.397 | 199.6 | -16.1 | -2.07 | 1.390 | 83.8 | 0.907 | 10.440 | 13.1 | 177.6 | 0.974D | 19.907A | 2.54 | 0.075 | 112.2 | 172.1 | -50.5 | 0.154 |
| | | 8.36 | 4.55 | 12.91 | ONE | 20.637 | 188.2 | 45.9 | 82.6 | | | | | | | | | | |
| 44650.0 | 50080.0 | 0.435 | 196.3 | -11.3 | -1.28 | 1.389 | 78.9 | 0.909 | 10.426 | 23.3 | 177.6 | 0.949D | 19.903A | 1.69 | 0.074 | 112.2 | 171.6 | -50.3 | 0.155 |
| | | 9.21 | 4.56 | 13.77 | ONE | 20.637 | 188.2 | 45.9 | 82.7 | | | | | | | | | | |
| 44660.0 | 50080.0 | 0.490 | 194.5 | -9.0 | -0.95 | 1.387 | 74.0 | 0.912 | 10.404 | 33.5 | 177.7 | 0.911D | 19.896A | 1.31 | 0.072 | 112.2 | 171.4 | -50.0 | 0.156 |
| | | 10.50 | 4.57 | 15.07 | ONE | 20.637 | 188.2 | 45.9 | 83.0 | | | | | | | | | | |
| 44670.0 | 50080.0 | 0.558 | 194.6 | -8.2 | -0.78 | 1.385 | 69.2 | 0.917 | 10.374 | 43.6 | 177.9 | 0.861D | 19.887A | 1.08 | 0.070 | 112.2 | 171.3 | -49.7 | 0.158 |
| | | 12.14 | 4.59 | 16.72 | ONE | 20.637 | 188.2 | 45.9 | 83.3 | | | | | | | | | | |
| 44680.0 | 50080.0 | 0.632 | 196.1 | -8.3 | -0.67 | 1.383 | 64.3 | 0.923 | 10.338 | 53.8 | 178.0 | 0.800D | 19.876A | 0.92 | 0.068 | 112.3 | 171.3 | -49.3 | 0.160 |
| | | 14.03 | 4.61 | 18.63 | ONE | 20.637 | 188.2 | 45.9 | 83.7 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2446150.0** | | | | | | | | | | | | | | | | | | | |
| 45000.0 | 46150.0 | 0.633 | 224.1 | -16.8 | -0.02 | 1.645 | 92.3 | 1.665 | -1.480 | 356.4 | 481.2 | 0.984 | NA | 0.78 | 0.884 | 174.5 | 144.7 | -76.6 | 0.881 |
| | | 14.04 | 20.13 | 34.17 | ONE | 18.745 | 280.3 | 82.0 | 9.5 | | | | | | | | | | |
| 45010.0 | 46150.0 | 0.637 | 218.2 | -15.1 | -0.01 | 1.646 | 86.0 | 1.670 | -1.467 | 6.4 | 121.1 | 0.983D | NA | 0.78 | 0.887 | 174.5 | 144.6 | -76.7 | 0.884 |
| | | 14.15 | 20.22 | 34.38 | ONE | 18.745 | 280.3 | 82.0 | 9.4 | | | | | | | | | | |
| **ARRIVAL DATE = 2446250.0** | | | | | | | | | | | | | | | | | | | |
| 44980.0 | 46250.0 | 0.645 | 229.3 | -18.3 | -0.05 | 1.600 | 102.3 | 1.497 | -1.905 | 339.5 | 485.8 | 0.946 | NA | 0.82 | 0.794 | 174.2 | 145.2 | -76.5 | 0.793 |
| | | 14.35 | 17.81 | 32.16 | ONE | 18.161 | 271.8 | 82.1 | 10.8 | | | | | | | | | | |
| 44990.0 | 46250.0 | 0.605 | 225.8 | -17.4 | -0.04 | 1.601 | 96.7 | 1.517 | -1.881 | 348.9 | 485.1 | 0.973 | NA | 0.80 | 0.798 | 174.1 | 144.8 | -76.6 | 0.796 |
| | | 13.34 | 17.90 | 31.24 | ONE | 18.161 | 271.8 | 82.1 | 10.7 | | | | | | | | | | |
| 45000.0 | 46250.0 | 0.588 | 220.5 | -15.8 | -0.04 | 1.602 | 90.8 | 1.529 | -1.863 | 358.7 | 484.7 | 0.985 | NA | 0.79 | 0.801 | 174.1 | 144.6 | -76.7 | 0.800 |
| | | 12.90 | 17.98 | 30.88 | ONE | 18.161 | 271.8 | 82.1 | 10.6 | | | | | | | | | | |
| 45010.0 | 46250.0 | 0.599 | 214.4 | -13.9 | -0.03 | 1.603 | 84.7 | 1.530 | -1.848 | 8.8 | 124.7 | 0.980D | NA | 0.79 | 0.804 | 174.1 | 144.5 | -76.7 | 0.802 |
| | | 13.16 | 18.06 | 31.22 | ONE | 18.161 | 271.8 | 82.1 | 10.5 | | | | | | | | | | |
| 45020.0 | 46250.0 | 0.639 | 208.8 | -11.9 | -0.03 | 1.602 | 78.3 | 1.520 | -1.837 | 19.3 | 125.1 | 0.955D | NA | 0.78 | 0.806 | 174.2 | 144.7 | -76.7 | 0.805 |
| | | 14.20 | 18.12 | 32.32 | ONE | 18.161 | 271.8 | 82.1 | 10.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2446350.0** | | | | | | | | | | | | | | | | | | | |
| 44980.0 | 46350.0 | 0.600 | 226.8 | -17.8 | -0.08 | 1.566 | 100.9 | 1.400 | -2.381 | 341.4 | 488.9 | 0.953 | NA | 0.84 | 0.724 | 173.7 | 145.1 | -76.6 | 0.725 |
| | | 13.21 | 16.05 | 29.26 | ONE | 19.621 | 263.2 | 82.1 | 11.9 | | | | | | | | | | |
| 44990.0 | 46350.0 | 0.565 | 222.7 | -16.6 | -0.07 | 1.568 | 95.3 | 1.415 | -2.353 | 350.9 | 488.3 | 0.977 | NA | 0.82 | 0.728 | 173.7 | 144.7 | -76.7 | 0.728 |
| | | 12.33 | 16.13 | 28.45 | ONE | 19.621 | 263.2 | 82.1 | 11.8 | | | | | | | | | | |
| 45000.0 | 46350.0 | 0.553 | 217.0 | -14.8 | -0.06 | 1.568 | 89.5 | 1.423 | -2.331 | 0.8 | 128.0 | 0.985D | NA | 0.81 | 0.731 | 173.6 | 144.5 | -76.7 | 0.731 |
| | | 12.03 | 16.19 | 28.22 | ONE | 19.621 | 263.2 | 82.1 | 11.7 | | | | | | | | | | |
| 45010.0 | 46350.0 | 0.570 | 210.9 | -12.7 | -0.05 | 1.568 | 83.5 | 1.422 | -2.315 | 11.0 | 128.1 | 0.976D | NA | 0.79 | 0.733 | 173.7 | 144.5 | -76.7 | 0.733 |
| | | 12.44 | 16.25 | 28.68 | ONE | 19.621 | 263.2 | 82.1 | 11.7 | | | | | | | | | | |
| 45020.0 | 46350.0 | 0.615 | 205.5 | -10.7 | -0.05 | 1.567 | 77.3 | 1.411 | -2.304 | 21.7 | 128.6 | 0.948D | NA | 0.79 | 0.734 | 173.8 | 144.7 | -76.7 | 0.734 |
| | | 13.59 | 16.29 | 29.88 | ONE | 19.621 | 263.2 | 82.1 | 11.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2446450.0** | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 46450.0 | 0.613 | 226.8 | -18.0 | -0.17 | 1.538 | 104.8 | 1.308 | -3.012 | 333.9 | 492.8 | 0.926 | NA | 0.93 | 0.661 | 173.4 | 145.6 | -76.4 | 0.663 |
| | | 13.52 | 14.49 | 28.01 | ONE | 19.872 | 254.9 | 81.8 | 13.3 | | | | | | | | | | |
| 44980.0 | 46450.0 | 0.564 | 224.4 | -17.2 | -0.12 | 1.540 | 99.6 | 1.323 | -2.969 | 343.2 | 491.9 | 0.959 | NA | 0.87 | 0.664 | 173.2 | 145.0 | -76.6 | 0.666 |
| | | 12.30 | 14.56 | 26.87 | ONE | 19.872 | 254.9 | 81.8 | 13.1 | | | | | | | | | | |
| 44990.0 | 46450.0 | 0.533 | 219.8 | -15.8 | -0.09 | 1.541 | 94.1 | 1.334 | -2.935 | 352.8 | 491.3 | 0.980 | NA | 0.84 | 0.667 | 173.2 | 144.7 | -76.7 | 0.669 |
| | | 11.54 | 14.63 | 26.16 | ONE | 19.872 | 254.9 | 81.8 | 12.9 | | | | | | | | | | |
| 45000.0 | 46450.0 | 0.526 | 213.9 | -13.8 | -0.08 | 1.541 | 88.4 | 1.338 | -2.910 | 2.7 | 131.1 | 0.984D | NA | 0.82 | 0.670 | 173.2 | 144.5 | -76.8 | 0.671 |
| | | 11.37 | 14.68 | 26.05 | ONE | 19.872 | 254.9 | 81.8 | 12.9 | | | | | | | | | | |
| 45010.0 | 46450.0 | 0.548 | 207.7 | -11.6 | -0.07 | 1.540 | 82.5 | 1.336 | -2.893 | 13.0 | 131.3 | 0.972D | NA | 0.80 | 0.671 | 173.3 | 144.5 | -76.7 | 0.673 |
| | | 11.90 | 14.72 | 26.62 | ONE | 19.872 | 254.9 | 81.8 | 12.9 | | | | | | | | | | |
| 45020.0 | 46450.0 | 0.598 | 202.6 | -9.7 | -0.06 | 1.539 | 76.4 | 1.326 | -2.882 | 23.8 | 131.9 | 0.941D | NA | 0.79 | 0.672 | 173.4 | 144.8 | -76.7 | 0.674 |
| | | 13.14 | 14.76 | 27.90 | ONE | 19.872 | 254.9 | 81.8 | 13.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2446550.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 46550.0 | 0.638 | 225.4 | -18.2 | -0.46 | 1.515 | 108.7 | 1.233 | -3.825 | 326.3 | 496.6 | 0.892 | NA | 1.22 | 0.605 | 173.0 | 146.3 | -76.2 | 0.610 |
| | | 14.16 | 13.16 | 27.33 | ONE | 18.383 | 247.2 | 81.5 | 14.7 | | | | | | | | | | |
| 44970.0 | 46550.0 | 0.580 | 224.9 | -17.6 | -0.23 | 1.517 | 103.7 | 1.248 | -3.758 | 335.4 | 495.5 | 0.934 | NA | 0.98 | 0.609 | 172.9 | 145.6 | -76.4 | 0.613 |
| | | 12.70 | 13.24 | 25.94 | ONE | 18.383 | 247.2 | 81.5 | 14.5 | | | | | | | | | | |
| 44980.0 | 46550.0 | 0.535 | 222.1 | -16.7 | -0.15 | 1.518 | 98.5 | 1.260 | -3.704 | 344.8 | 494.7 | 0.964 | NA | 0.90 | 0.612 | 172.8 | 145.1 | -76.6 | 0.615 |
| | | 11.57 | 13.30 | 24.87 | ONE | 18.383 | 247.2 | 81.5 | 14.3 | | | | | | | | | | |
| 44990.0 | 46550.0 | 0.508 | 217.2 | -15.1 | -0.12 | 1.518 | 93.1 | 1.268 | -3.663 | 354.5 | 494.2 | 0.981 | NA | 0.86 | 0.614 | 172.7 | 144.7 | -76.7 | 0.617 |
| | | 10.92 | 13.35 | 24.27 | ONE | 18.383 | 247.2 | 81.5 | 14.1 | | | | | | | | | | |
| 45000.0 | 46550.0 | 0.505 | 211.0 | -12.9 | -0.10 | 1.518 | 87.5 | 1.271 | -3.634 | 4.5 | 134.0 | 0.983D | NA | 0.83 | 0.616 | 172.7 | 144.6 | -76.7 | 0.619 |
| | | 10.86 | 13.39 | 24.26 | ONE | 18.383 | 247.2 | 81.5 | 14.1 | | | | | | | | | | |
| 45010.0 | 46550.0 | 0.531 | 204.9 | -10.6 | -0.09 | 1.518 | 81.7 | 1.268 | -3.616 | 14.9 | 134.3 | 0.968D | NA | 0.81 | 0.617 | 172.8 | 144.7 | -76.7 | 0.620 |
| | | 11.50 | 13.43 | 24.92 | ONE | 18.383 | 247.2 | 81.5 | 14.1 | | | | | | | | | | |
| 45020.0 | 46550.0 | 0.584 | 200.1 | -8.7 | -0.08 | 1.517 | 75.7 | 1.259 | -3.606 | 25.7 | 135.0 | 0.934D | NA | 0.80 | 0.618 | 172.9 | 144.9 | -76.6 | 0.622 |
| | | 12.81 | 13.45 | 26.26 | ONE | 18.383 | 247.2 | 81.5 | 14.2 | | | | | | | | | | |
| **ARRIVAL DATE = 2446650.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 46650.0 | 0.609 | 224.0 | -18.3 | -0.62 | 1.497 | 107.6 | 1.188 | -4.796 | 327.6 | 499.0 | 0.901 | NA | 1.38 | 0.559 | 172.5 | 146.5 | -76.2 | 0.566 |
| | | 13.43 | 12.10 | 25.53 | ONE | 18.566 | 240.3 | 80.9 | 15.9 | | | | | | | | | | |
| 44970.0 | 46650.0 | 0.553 | 223.1 | -17.3 | -0.29 | 1.499 | 102.7 | 1.200 | -4.709 | 336.8 | 498.0 | 0.940 | NA | 1.04 | 0.563 | 172.3 | 145.7 | -76.4 | 0.568 |
| | | 12.03 | 12.17 | 24.20 | ONE | 18.566 | 240.3 | 80.9 | 15.7 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44980.0 | 46650.0 | 0.510 | 219.9 | -16.1 | -0.19 | 1.500 | 97.5 | 1.209 | -4.640 | 346.2 | 497.3 | 0.968 | NA | 0.94 | 0.566 | 172.2 | 145.2 | -76.6 | 0.570 |
| | | 10.98 | 12.22 | 23.20 | ONE | 18.566 | 240.3 | 80.9 | 15.5 | | | | | | | | | | |
| 44990.0 | 46650.0 | 0.487 | 214.7 | -14.3 | -0.15 | 1.500 | 92.2 | 1.214 | -4.590 | 356.0 | 496.9 | 0.983 | NA | 0.88 | 0.568 | 172.2 | 144.9 | -76.7 | 0.572 |
| | | 10.42 | 12.26 | 22.68 | ONE | 18.566 | 240.3 | 80.9 | 15.3 | | | | | | | | | | |
| 45000.0 | 46650.0 | 0.489 | 208.3 | -12.0 | -0.12 | 1.500 | 86.6 | 1.216 | -4.556 | 6.1 | 136.8 | 0.982D | NA | 0.85 | 0.569 | 172.2 | 144.8 | -76.7 | 0.573 |
| | | 10.47 | 12.29 | 22.76 | ONE | 18.566 | 240.3 | 80.9 | 15.3 | | | | | | | | | | |
| 45010.0 | 46650.0 | 0.519 | 202.4 | -9.7 | -0.11 | 1.499 | 80.9 | 1.213 | -4.536 | 16.5 | 137.1 | 0.964D | NA | 0.82 | 0.570 | 172.3 | 144.9 | -76.7 | 0.575 |
| | | 11.19 | 12.32 | 23.51 | ONE | 18.566 | 240.3 | 80.9 | 15.4 | | | | | | | | | | |
| 45020.0 | 46650.0 | 0.575 | 197.9 | -7.9 | -0.10 | 1.498 | 75.0 | 1.205 | -4.529 | 27.4 | 137.8 | 0.928D | NA | 0.80 | 0.570 | 172.5 | 145.2 | -76.5 | 0.576 |
| | | 12.56 | 12.34 | 24.91 | ONE | 18.566 | 240.3 | 80.9 | 15.5 | | | | | | | | | | |
| ARRIVAL DATE = 2446750.0 | | | | | | | | | | | | | | | | | | | |
| 44950.0 | 46750.0 | 0.648 | 224.0 | -11.8 | 2.22 | 1.481 | 111.5 | 1.139 | -6.209 | 319.8 | 502.6 | 0.861 | NA | -1.46 | 0.515 | 172.1 | 146.2 | -75.7 | 0.524 |
| | | 14.44 | 11.13 | 25.57 | TWO | 20.036 | 234.2 | 80.3 | 17.5 | | | | | | | | | | |
| 44960.0 | 46750.0 | 0.585 | 222.5 | -18.5 | -0.84 | 1.483 | 106.7 | 1.150 | -6.065 | 328.8 | 501.4 | 0.907 | NA | 1.60 | 0.519 | 171.9 | 146.8 | -76.2 | 0.526 |
| | | 12.82 | 11.19 | 24.01 | ONE | 20.036 | 234.2 | 80.3 | 17.2 | | | | | | | | | | |
| 44970.0 | 46750.0 | 0.531 | 221.5 | -17.1 | -0.36 | 1.484 | 101.8 | 1.159 | -5.949 | 338.0 | 500.5 | 0.945 | NA | 1.11 | 0.522 | 171.8 | 146.0 | -76.4 | 0.529 |
| | | 11.47 | 11.24 | 22.72 | ONE | 20.036 | 234.2 | 80.3 | 16.9 | | | | | | | | | | |
| 44980.0 | 46750.0 | 0.490 | 218.0 | -15.7 | -0.23 | 1.485 | 96.7 | 1.166 | -5.860 | 347.6 | 499.8 | 0.971 | NA | 0.97 | 0.524 | 171.7 | 145.4 | -76.5 | 0.531 |
| | | 10.50 | 11.28 | 21.79 | ONE | 20.036 | 234.2 | 80.3 | 16.7 | | | | | | | | | | |
| 44990.0 | 46750.0 | 0.470 | 212.4 | -13.7 | -0.18 | 1.485 | 91.4 | 1.170 | -5.795 | 357.4 | 499.4 | 0.983 | NA | 0.90 | 0.526 | 171.7 | 145.1 | -76.6 | 0.532 |
| | | 10.03 | 11.32 | 21.35 | ONE | 20.036 | 234.2 | 80.3 | 16.6 | | | | | | | | | | |
| 45000.0 | 46750.0 | 0.476 | 206.0 | -11.3 | -0.15 | 1.485 | 85.9 | 1.170 | -5.754 | 7.5 | 139.4 | 0.981D | NA | 0.86 | 0.527 | 171.7 | 145.0 | -76.6 | 0.533 |
| | | 10.16 | 11.35 | 21.51 | ONE | 20.036 | 234.2 | 80.3 | 16.6 | | | | | | | | | | |
| 45010.0 | 46750.0 | 0.509 | 200.2 | -8.9 | -0.13 | 1.484 | 80.3 | 1.168 | -5.734 | 18.0 | 139.8 | 0.961D | NA | 0.83 | 0.528 | 171.8 | 145.2 | -76.6 | 0.534 |
| | | 10.96 | 11.37 | 22.32 | ONE | 20.036 | 234.2 | 80.3 | 16.6 | | | | | | | | | | |
| 45020.0 | 46750.0 | 0.567 | 196.1 | -7.2 | -0.12 | 1.482 | 74.5 | 1.161 | -5.732 | 28.9 | 140.5 | 0.923D | NA | 0.81 | 0.528 | 172.0 | 145.5 | -76.4 | 0.535 |
| | | 12.38 | 11.38 | 23.76 | ONE | 20.036 | 234.2 | 80.3 | 16.8 | | | | | | | | | | |
| 45030.0 | 46750.0 | 0.644 | 193.9 | -6.2 | -0.11 | 1.481 | 68.5 | 1.151 | -5.744 | 40.1 | 141.7 | 0.866D | NA | 0.79 | 0.528 | 172.2 | 146.1 | -76.2 | 0.536 |
| | | 14.34 | 11.40 | 25.74 | ONE | 20.036 | 234.2 | 80.3 | 17.0 | | | | | | | | | | |
| ARRIVAL DATE = 2446850.0 | | | | | | | | | | | | | | | | | | | |
| 44950.0 | 46850.0 | 0.626 | 222.9 | -12.3 | 1.79 | 1.469 | 110.7 | 1.109 | -7.980 | 320.7 | 504.7 | 0.868 | NA | -1.03 | 0.479 | 171.5 | 146.6 | -75.6 | 0.489 |
| | | 13.87 | 10.34 | 24.22 | TWO | 19.533 | 228.9 | 79.6 | 18.8 | | | | | | | | | | |
| 44960.0 | 46850.0 | 0.565 | 221.2 | -18.9 | -1.15 | 1.470 | 106.0 | 1.117 | -7.778 | 329.8 | 503.6 | 0.913 | NA | 1.90 | 0.483 | 171.4 | 147.3 | -76.1 | 0.492 |
| | | 12.31 | 10.40 | 22.71 | ONE | 19.533 | 228.9 | 79.6 | 18.5 | | | | | | | | | | |
| 44970.0 | 46850.0 | 0.512 | 220.0 | -16.9 | -0.44 | 1.471 | 101.1 | 1.125 | -7.617 | 339.1 | 502.7 | 0.949 | NA | 1.18 | 0.485 | 171.2 | 146.3 | -76.3 | 0.494 |
| | | 11.02 | 10.44 | 21.46 | ONE | 19.533 | 228.9 | 79.6 | 18.2 | | | | | | | | | | |
| 44980.0 | 46850.0 | 0.474 | 216.1 | -15.3 | -0.28 | 1.472 | 96.0 | 1.130 | -7.496 | 348.7 | 502.1 | 0.973 | NA | 1.01 | 0.487 | 171.1 | 145.8 | -76.4 | 0.495 |
| | | 10.11 | 10.48 | 20.59 | ONE | 19.533 | 228.9 | 79.6 | 18.0 | | | | | | | | | | |
| 44990.0 | 46850.0 | 0.457 | 210.4 | -13.1 | -0.21 | 1.472 | 90.7 | 1.133 | -7.412 | 358.6 | 501.8 | 0.984 | NA | 0.93 | 0.489 | 171.1 | 145.5 | -76.5 | 0.496 |
| | | 9.71 | 10.50 | 20.22 | ONE | 19.533 | 228.9 | 79.6 | 17.9 | | | | | | | | | | |
| 45000.0 | 46850.0 | 0.466 | 203.9 | -10.6 | -0.17 | 1.472 | 85.3 | 1.133 | -7.362 | 8.8 | 141.9 | 0.979D | NA | 0.88 | 0.490 | 171.2 | 145.4 | -76.5 | 0.497 |
| | | 9.92 | 10.53 | 20.45 | ONE | 19.533 | 228.9 | 79.6 | 17.9 | | | | | | | | | | |
| 45010.0 | 46850.0 | 0.502 | 198.3 | -8.2 | -0.15 | 1.471 | 79.7 | 1.130 | -7.342 | 19.3 | 142.2 | 0.957D | NA | 0.84 | 0.490 | 171.3 | 145.6 | -76.5 | 0.498 |
| | | 10.77 | 10.54 | 21.32 | ONE | 19.533 | 228.9 | 79.6 | 18.0 | | | | | | | | | | |
| 45020.0 | 46850.0 | 0.561 | 194.5 | -6.6 | -0.13 | 1.469 | 74.0 | 1.125 | -7.348 | 30.2 | 143.0 | 0.918D | NA | 0.82 | 0.490 | 171.5 | 146.0 | -76.3 | 0.499 |
| | | 12.23 | 10.56 | 22.79 | ONE | 19.533 | 228.9 | 79.6 | 18.1 | | | | | | | | | | |
| 45030.0 | 46850.0 | 0.639 | 192.6 | -5.7 | -0.13 | 1.468 | 68.1 | 1.117 | -7.377 | 41.4 | 144.2 | 0.860D | NA | 0.79 | 0.490 | 171.7 | 146.6 | -76.1 | 0.499 |
| | | 14.20 | 10.57 | 24.78 | ONE | 19.533 | 228.9 | 79.6 | 18.4 | | | | | | | | | | |
| ARRIVAL DATE = 2446950.0 | | | | | | | | | | | | | | | | | | | |
| 44950.0 | 46950.0 | 0.608 | 222.0 | -12.5 | 1.56 | 1.458 | 110.0 | 1.083 | -10.494 | 321.5 | 506.7 | 0.874 | NA | -0.79 | 0.447 | 171.0 | 147.0 | -75.5 | 0.458 |
| | | 13.40 | 9.66 | 23.06 | TWO | 18.215 | 224.3 | 78.8 | 20.1 | | | | | | | | | | |
| 44960.0 | 46950.0 | 0.548 | 219.8 | -19.8 | -1.59 | 1.460 | 105.3 | 1.090 | -10.193 | 330.7 | 505.7 | 0.918 | NA | 2.34 | 0.450 | 170.8 | 147.9 | -76.1 | 0.460 |
| | | 11.89 | 9.70 | 21.60 | ONE | 18.215 | 224.3 | 78.8 | 19.8 | | | | | | | | | | |
| 44970.0 | 46950.0 | 0.496 | 218.6 | -16.8 | -0.53 | 1.461 | 100.4 | 1.096 | -9.959 | 340.1 | 504.9 | 0.953 | NA | 1.27 | 0.452 | 170.6 | 146.7 | -76.2 | 0.462 |
| | | 10.63 | 9.74 | 20.38 | ONE | 18.215 | 224.3 | 78.8 | 19.5 | | | | | | | | | | |
| 44980.0 | 46950.0 | 0.460 | 214.5 | -14.9 | -0.33 | 1.461 | 95.4 | 1.100 | -9.786 | 349.8 | 504.3 | 0.975 | NA | 1.05 | 0.454 | 170.6 | 146.2 | -76.3 | 0.463 |
| | | 9.79 | 9.77 | 19.56 | ONE | 18.215 | 224.3 | 78.8 | 19.3 | | | | | | | | | | |
| 44990.0 | 46950.0 | 0.445 | 208.6 | -12.6 | -0.24 | 1.461 | 90.2 | 1.102 | -9.670 | 359.7 | 504.1 | 0.984 | NA | 0.96 | 0.456 | 170.5 | 145.9 | -76.4 | 0.465 |
| | | 9.46 | 9.80 | 19.25 | ONE | 18.215 | 224.3 | 78.8 | 19.2 | | | | | | | | | | |
| 45000.0 | 46950.0 | 0.457 | 202.2 | -10.0 | -0.19 | 1.461 | 84.8 | 1.102 | -9.606 | 9.9 | 144.2 | 0.977D | NA | 0.90 | 0.456 | 170.6 | 145.8 | -76.4 | 0.465 |
| | | 9.73 | 9.82 | 19.54 | ONE | 18.215 | 224.3 | 78.8 | 19.2 | | | | | | | | | | |
| 45010.0 | 46950.0 | 0.496 | 196.7 | -7.6 | -0.17 | 1.460 | 79.3 | 1.100 | -9.588 | 20.5 | 144.6 | 0.954D | NA | 0.85 | 0.457 | 170.7 | 146.0 | -76.3 | 0.466 |
| | | 10.63 | 9.83 | 20.46 | ONE | 18.215 | 224.3 | 78.8 | 19.3 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45020.0 | 46950.0 | 0.557<br>12.11 | 193.1<br>9.84 | -6.0<br>21.95 | -0.15<br>ONE | 1.458<br>18.215 | 73.6<br>224.3 | 1.095<br>78.8 | -9.612<br>19.5 | 31.3 | 145.3 | 0.913D | NA | 0.82 | 0.456 | 170.9 | 146.5 | -76.2 | 0.467 |
| 45030.0 | 46950.0 | 0.635<br>14.09 | 191.5<br>9.85 | -5.3<br>23.94 | -0.14<br>ONE | 1.457<br>18.215 | 67.8<br>224.3 | 1.088<br>78.8 | -9.670<br>19.8 | 42.5 | 146.4 | 0.855D | NA | 0.79 | 0.456 | 171.2 | 147.1 | -75.9 | 0.467 |
| | | | | | | | | ARRIVAL DATE = 2447050.0 | | | | | | | | | | |
| 44950.0 | 47050.0 | 0.592<br>13.01 | 221.3<br>9.06 | -12.5<br>22.07 | 1.41<br>TWO | 1.450<br>19.118 | 109.4<br>220.4 | 1.061<br>77.9 | -14.303<br>21.5 | 322.3 | 508.6 | 0.879 | NA | -0.65 | 0.417 | 170.3 | 147.5 | -75.4 | 0.430 |
| 44960.0 | 47050.0 | 0.534<br>11.56 | 218.3<br>9.10 | -21.4<br>20.66 | -2.30<br>ONE | 1.451<br>19.118 | 104.7<br>220.4 | 1.067<br>77.9 | -13.820<br>21.1 | 331.5 | 507.6 | 0.922 | NA | 3.05 | 0.420 | 170.2 | 148.9 | -76.0 | 0.432 |
| 44970.0 | 47050.0 | 0.482<br>10.32 | 217.3<br>9.13 | -16.7<br>19.45 | -0.64<br>ONE | 1.452<br>19.118 | 99.9<br>220.4 | 1.071<br>77.9 | -13.451<br>20.9 | 340.9 | 506.9 | 0.955 | NA | 1.38 | 0.422 | 170.0 | 147.3 | -76.1 | 0.434 |
| 44980.0 | 47050.0 | 0.448<br>9.52 | 213.1<br>9.16 | -14.6<br>18.68 | -0.38<br>ONE | 1.452<br>19.118 | 94.8<br>220.4 | 1.074<br>77.9 | -13.186<br>20.7 | 350.7 | 506.4 | 0.977 | NA | 1.10 | 0.424 | 169.9 | 146.7 | -76.2 | 0.435 |
| 44990.0 | 47050.0 | 0.436<br>9.25 | 207.0<br>9.18 | -12.1<br>18.43 | -0.27<br>ONE | 1.452<br>19.118 | 89.7<br>220.4 | 1.076<br>77.9 | -13.014<br>20.6 | 0.6 | 146.2 | 0.984D | NA | 0.98 | 0.425 | 169.9 | 146.4 | -76.2 | 0.436 |
| 45000.0 | 47050.0 | 0.450<br>9.57 | 200.6<br>9.20 | -9.4<br>18.77 | -0.22<br>ONE | 1.452<br>19.118 | 84.4<br>220.4 | 1.075<br>77.9 | -12.927<br>20.6 | 10.9 | 146.3 | 0.976D | NA | 0.91 | 0.426 | 170.0 | 146.4 | -76.2 | 0.437 |
| 45010.0 | 47050.0 | 0.491<br>10.51 | 195.3<br>9.21 | -7.1<br>19.72 | -0.19<br>ONE | 1.451<br>19.118 | 78.9<br>220.4 | 1.074<br>77.9 | -12.918<br>20.7 | 21.4 | 146.7 | 0.951D | NA | 0.87 | 0.426 | 170.1 | 146.6 | -76.1 | 0.437 |
| 45020.0 | 47050.0 | 0.553<br>12.01 | 192.0<br>9.22 | -5.6<br>21.23 | -0.17<br>ONE | 1.449<br>19.118 | 73.3<br>220.4 | 1.070<br>77.9 | -12.976<br>20.9 | 32.3 | 147.5 | 0.910D | NA | 0.83 | 0.426 | 170.3 | 147.1 | -76.0 | 0.438 |
| 45030.0 | 47050.0 | 0.631<br>13.99 | 190.6<br>9.23 | -4.9<br>23.22 | -0.16<br>ONE | 1.447<br>19.118 | 67.6<br>220.4 | 1.065<br>77.9 | -13.094<br>21.2 | 43.5 | 148.6 | 0.851D | NA | 0.80 | 0.425 | 170.7 | 147.7 | -75.7 | 0.438 |
| | | | | | | | | ARRIVAL DATE = 2447150.0 | | | | | | | | | | |
| 44940.0 | 47150.0 | 0.644<br>14.32 | 218.5<br>8.50 | -13.9<br>22.82 | 0.56<br>TWO | 1.440<br>20.226 | 113.5<br>217.0 | 1.038<br>77.0 | -21.839<br>23.3 | 313.8 | 511.5 | 0.832 | NA | 0.22 | 0.387 | 169.9 | 149.4 | -74.9 | 0.403 |
| 44950.0 | 47150.0 | 0.579<br>12.68 | 220.6<br>8.54 | -12.5<br>21.22 | 1.31<br>TWO | 1.442<br>20.226 | 109.0<br>217.0 | 1.043<br>77.0 | -20.696<br>22.9 | 322.9 | 510.4 | 0.883 | NA | -0.55 | 0.390 | 169.7 | 148.1 | -75.2 | 0.405 |
| 44960.0 | 47150.0 | 0.525<br>11.33 | 216.3<br>8.57 | -24.6<br>19.91 | -3.61<br>ONE | 1.443<br>20.226 | 104.2<br>217.0 | 1.047<br>77.0 | -19.817<br>22.6 | 332.2 | 509.5 | 0.926 | NA | 4.36 | 0.393 | 169.5 | 150.3 | -75.9 | 0.407 |
| 44970.0 | 47150.0 | 0.471<br>10.05 | 216.2<br>8.60 | -16.8<br>18.65 | -0.76<br>ONE | 1.444<br>20.226 | 99.4<br>217.0 | 1.050<br>77.0 | -19.164<br>22.3 | 341.7 | 508.8 | 0.958 | NA | 1.50 | 0.395 | 169.4 | 147.9 | -75.9 | 0.408 |
| 44980.0 | 47150.0 | 0.439<br>9.30 | 211.8<br>8.62 | -14.4<br>17.92 | -0.43<br>ONE | 1.445<br>20.226 | 94.4<br>217.0 | 1.052<br>77.0 | -18.706<br>22.1 | 351.4 | 508.3 | 0.978 | NA | 1.15 | 0.397 | 169.3 | 147.3 | -76.0 | 0.409 |
| 44990.0 | 47150.0 | 0.429<br>9.07 | 205.6<br>8.64 | -11.7<br>17.71 | -0.31<br>ONE | 1.445<br>20.226 | 89.3<br>217.0 | 1.053<br>77.0 | -18.422<br>22.0 | 1.4 | 148.2 | 0.984D | NA | 1.01 | 0.398 | 169.3 | 147.0 | -76.1 | 0.410 |
| 45000.0 | 47150.0 | 0.445<br>9.44 | 199.3<br>8.65 | -9.0<br>18.09 | -0.25<br>ONE | 1.444<br>20.226 | 84.0<br>217.0 | 1.053<br>77.0 | -18.294<br>22.0 | 11.7 | 148.3 | 0.975D | NA | 0.93 | 0.398 | 169.4 | 147.0 | -76.0 | 0.411 |
| 45010.0 | 47150.0 | 0.486<br>10.41 | 194.2<br>8.66 | -6.7<br>19.07 | -0.21<br>ONE | 1.443<br>20.226 | 78.6<br>217.0 | 1.052<br>77.0 | -18.307<br>22.1 | 22.3 | 148.7 | 0.949D | NA | 0.88 | 0.398 | 169.5 | 147.2 | -75.9 | 0.411 |
| 45020.0 | 47150.0 | 0.549<br>11.93 | 191.0<br>8.67 | -5.3<br>20.60 | -0.19<br>ONE | 1.441<br>20.226 | 73.0<br>217.0 | 1.049<br>77.0 | -18.447<br>22.4 | 33.1 | 149.4 | 0.906D | NA | 0.84 | 0.398 | 169.7 | 147.7 | -75.7 | 0.412 |
| 45030.0 | 47150.0 | 0.627<br>13.90 | 189.9<br>8.68 | -4.7<br>22.58 | -0.18<br>ONE | 1.439<br>20.226 | 67.4<br>217.0 | 1.045<br>77.0 | -18.698<br>22.7 | 44.3 | 150.5 | 0.847D | NA | 0.80 | 0.397 | 170.1 | 148.4 | -75.4 | 0.412 |
| | | | | | | | | ARRIVAL DATE = 2447250.0 | | | | | | | | | | |
| 44940.0 | 47250.0 | 0.632<br>14.03 | 218.1<br>8.05 | -13.7<br>22.07 | 0.58<br>TWO | 1.434<br>19.097 | 113.1<br>214.0 | 1.023<br>76.1 | -36.247<br>24.8 | 314.3 | 513.1 | 0.836 | NA | 0.20 | 0.363 | 169.3 | 150.0 | -74.6 | 0.381 |
| 44950.0 | 47250.0 | 0.568<br>12.39 | 220.1<br>8.08 | -12.5<br>20.47 | 1.24<br>TWO | 1.436<br>19.097 | 108.5<br>214.0 | 1.026<br>76.1 | -33.516<br>24.3 | 323.4 | 512.1 | 0.886 | NA | -0.47 | 0.366 | 169.0 | 148.7 | -74.9 | 0.382 |
| 44960.0 | 47250.0 | 0.528<br>11.42 | 212.8<br>8.11 | -32.8<br>19.54 | -6.87<br>ONE | 1.437<br>19.097 | 103.8<br>214.0 | 1.029<br>76.1 | -31.516<br>24.1 | 332.8 | 511.2 | 0.928 | NA | 7.62 | 0.368 | 168.8 | 153.3 | -75.9 | 0.384 |
| 44970.0 | 47250.0 | 0.462<br>9.83 | 215.2<br>8.13 | -17.0<br>17.96 | -0.91<br>ONE | 1.438<br>19.097 | 99.0<br>214.0 | 1.032<br>76.1 | -30.088<br>23.7 | 342.3 | 510.6 | 0.960 | NA | 1.65 | 0.370 | 168.7 | 148.7 | -75.7 | 0.385 |
| 44980.0 | 47250.0 | 0.430<br>9.11 | 210.7<br>8.15 | -14.2<br>17.26 | -0.50<br>ONE | 1.438<br>19.097 | 94.0<br>214.0 | 1.034<br>76.1 | -29.125<br>23.5 | 352.1 | 510.2 | 0.979 | NA | 1.21 | 0.372 | 168.6 | 148.0 | -75.8 | 0.386 |
| 44990.0 | 47250.0 | 0.422<br>8.93 | 204.4<br>8.16 | -11.5<br>17.09 | -0.35<br>ONE | 1.438<br>19.097 | 88.9<br>214.0 | 1.034<br>76.1 | -28.557<br>23.4 | 2.1 | 150.0 | 0.984D | NA | 1.05 | 0.373 | 168.6 | 147.7 | -75.8 | 0.387 |
| 45000.0 | 47250.0 | 0.440<br>9.33 | 198.1<br>8.18 | -8.7<br>17.51 | -0.28<br>ONE | 1.437<br>19.097 | 83.7<br>214.0 | 1.034<br>76.1 | -28.335<br>23.5 | 12.4 | 150.2 | 0.973D | NA | 0.95 | 0.373 | 168.7 | 147.7 | -75.8 | 0.387 |
| 45010.0 | 47250.0 | 0.483<br>10.33 | 193.2<br>8.19 | -6.4<br>18.51 | -0.23<br>ONE | 1.436<br>19.097 | 78.3<br>214.0 | 1.033<br>76.1 | -28.423<br>23.6 | 23.0 | 150.6 | 0.947D | NA | 0.89 | 0.373 | 168.9 | 148.0 | -75.7 | 0.388 |
| 45020.0 | 47250.0 | 0.546<br>11.85 | 190.2<br>8.19 | -5.0<br>20.04 | -0.21<br>ONE | 1.434<br>19.097 | 72.8<br>214.0 | 1.031<br>76.1 | -28.797<br>23.8 | 33.8 | 151.3 | 0.904D | NA | 0.85 | 0.372 | 169.1 | 148.4 | -75.5 | 0.388 |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45030.0 | 47250.0 | 0.624 | 189.3 | -4.4 | -0.19 | 1.433 | 67.2 | 1.029 | -29.429 | 44.9 | 152.3 | 0.844D | NA | 0.81 | 0.371 | 169.5 | 149.1 | -75.2 | 0.388 |
| | | 13.82 | 8.20 | 22.02 | ONE | 19.097 | 214.0 | 76.1 | 24.2 | | | | | | | | | | |
| ARRIVAL DATE = 2447350.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 47350.0 | 0.623 | 217.8 | -13.6 | 0.59 | 1.428 | 112.8 | 1.010 | -83.836 | 314.7 | 514.6 | 0.839 | NA | 0.19 | 0.340 | 168.6 | 150.7 | -74.3 | 0.360 |
| | | 13.78 | 7.65 | 21.43 | TWO | 18.306 | 211.4 | 75.1 | 26.3 | | | | | | | | | | |
| 44950.0 | 47350.0 | 0.558 | 219.6 | -12.4 | 1.18 | 1.430 | 108.2 | 1.012 | -71.733 | 323.8 | 513.6 | 0.889 | NA | -0.42 | 0.343 | 168.3 | 149.4 | -74.6 | 0.361 |
| | | 12.16 | 7.67 | 19.83 | TWO | 18.306 | 211.4 | 75.1 | 25.8 | | | | | | | | | | |
| 44970.0 | 47350.0 | 0.454 | 214.2 | -17.3 | -1.10 | 1.432 | 98.7 | 1.016 | -58.980 | 342.8 | 512.3 | 0.961 | NA | 1.82 | 0.347 | 168.0 | 149.5 | -75.4 | 0.364 |
| | | 9.64 | 7.72 | 17.36 | ONE | 18.306 | 211.4 | 75.1 | 25.2 | | | | | | | | | | |
| 44980.0 | 47350.0 | 0.424 | 209.7 | -14.2 | -0.57 | 1.432 | 93.7 | 1.018 | -55.841 | 352.7 | 511.9 | 0.979 | NA | 1.28 | 0.349 | 167.9 | 148.8 | -75.5 | 0.365 |
| | | 8.96 | 7.73 | 16.69 | ONE | 18.306 | 211.4 | 75.1 | 25.0 | | | | | | | | | | |
| 44990.0 | 47350.0 | 0.417 | 203.4 | -11.2 | -0.39 | 1.432 | 88.6 | 1.018 | -54.116 | 2.7 | 151.8 | 0.983D | NA | 1.08 | 0.350 | 167.9 | 148.5 | -75.6 | 0.365 |
| | | 8.81 | 7.75 | 16.55 | ONE | 18.306 | 211.4 | 75.1 | 24.9 | | | | | | | | | | |
| 45000.0 | 47350.0 | 0.436 | 197.2 | -8.4 | -0.31 | 1.431 | 83.4 | 1.018 | -53.554 | 13.0 | 151.9 | 0.972D | NA | 0.98 | 0.350 | 168.0 | 148.5 | -75.5 | 0.366 |
| | | 9.24 | 7.76 | 17.00 | ONE | 18.306 | 211.4 | 75.1 | 25.0 | | | | | | | | | | |
| 45010.0 | 47350.0 | 0.480 | 192.4 | -6.1 | -0.26 | 1.430 | 78.1 | 1.017 | -54.020 | 23.6 | 152.3 | 0.945D | NA | 0.91 | 0.350 | 168.2 | 148.7 | -75.4 | 0.366 |
| | | 10.25 | 7.77 | 18.02 | ONE | 18.306 | 211.4 | 75.1 | 25.1 | | | | | | | | | | |
| 45020.0 | 47350.0 | 0.543 | 189.6 | -4.8 | -0.23 | 1.429 | 72.7 | 1.016 | -55.463 | 34.4 | 153.0 | 0.902D | NA | 0.86 | 0.349 | 168.4 | 149.2 | -75.2 | 0.367 |
| | | 11.78 | 7.77 | 19.55 | ONE | 18.306 | 211.4 | 75.1 | 25.4 | | | | | | | | | | |
| 45030.0 | 47350.0 | 0.621 | 188.8 | -4.3 | -0.21 | 1.427 | 67.1 | 1.015 | -57.878 | 45.4 | 154.0 | 0.842D | NA | 0.81 | 0.348 | 168.8 | 149.9 | -74.8 | 0.367 |
| | | 13.74 | 7.78 | 21.52 | ONE | 18.306 | 211.4 | 75.1 | 25.7 | | | | | | | | | | |
| ARRIVAL DATE = 2447450.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 47450.0 | 0.615 | 217.6 | -13.5 | 0.60 | 1.424 | 112.5 | 0.999 | 622.514 | 315.0 | 516.1 | 0.841 | *******A | 0.18 | 0.319 | 167.9 | 151.4 | -73.9 | 0.341 |
| | | 13.57 | 7.29 | 20.87 | TWO | 19.692 | 209.2 | 74.1 | 27.9 | | | | | | | | | | |
| 44950.0 | 47450.0 | 0.550 | 219.3 | -12.4 | 1.14 | 1.425 | 107.9 | 1.000 | ******* | 324.2 | 515.2 | 0.892 | NA | -0.37 | 0.322 | 167.6 | 150.1 | -74.3 | 0.342 |
| | | 11.96 | 7.32 | 19.28 | TWO | 19.692 | 209.2 | 74.1 | 27.4 | | | | | | | | | | |
| 44960.0 | 47450.0 | 0.588 | 233.5 | 21.4 | 15.52 | 1.426 | 103.2 | 1.002 | ******* | 333.6 | 514.4 | 0.932 | NA | -14.77 | 0.325 | 167.4 | 141.6 | -72.7 | 0.345 |
| | | 12.89 | 7.37 | 20.26 | TWO | 19.692 | 209.2 | 74.1 | 27.5 | | | | | | | | | | |
| 44970.0 | 47450.0 | 0.447 | 213.4 | -17.8 | -1.32 | 1.427 | 98.4 | 1.003 | ******* | 343.3 | 513.8 | 0.962 | NA | 2.05 | 0.326 | 167.3 | 150.5 | -75.1 | 0.345 |
| | | 9.49 | 7.35 | 16.85 | ONE | 19.692 | 209.2 | 74.1 | 26.7 | | | | | | | | | | |
| 44980.0 | 47450.0 | 0.418 | 208.9 | -14.2 | -0.64 | 1.427 | 93.5 | 1.004 | ******* | 353.1 | 513.5 | 0.980 | NA | 1.35 | 0.328 | 167.2 | 149.6 | -75.2 | 0.345 |
| | | 8.83 | 7.37 | 16.20 | ONE | 19.692 | 209.2 | 74.1 | 26.5 | | | | | | | | | | |
| 44990.0 | 47450.0 | 0.412 | 202.6 | -11.1 | -0.43 | 1.427 | 88.4 | 1.004 | ******* | 3.2 | 153.4 | 0.983D | NA | 1.12 | 0.328 | 167.2 | 149.3 | -75.3 | 0.346 |
| | | 8.70 | 7.38 | 16.08 | ONE | 19.692 | 209.2 | 74.1 | 26.4 | | | | | | | | | | |
| 45000.0 | 47450.0 | 0.432 | 196.4 | -8.2 | -0.34 | 1.426 | 83.2 | 1.004 | ******* | 13.5 | 153.6 | 0.971D | NA | 1.00 | 0.329 | 167.3 | 149.3 | -75.2 | 0.346 |
| | | 9.16 | 7.39 | 16.54 | ONE | 19.692 | 209.2 | 74.1 | 26.5 | | | | | | | | | | |
| 45010.0 | 47450.0 | 0.477 | 191.7 | -5.9 | -0.28 | 1.425 | 77.9 | 1.004 | ******* | 24.1 | 154.0 | 0.944D | NA | 0.92 | 0.328 | 167.5 | 149.6 | -75.1 | 0.347 |
| | | 10.18 | 7.40 | 17.58 | ONE | 19.692 | 209.2 | 74.1 | 26.6 | | | | | | | | | | |
| 45020.0 | 47450.0 | 0.540 | 189.1 | -4.6 | -0.25 | 1.424 | 72.6 | 1.003 | ******* | 34.8 | 154.6 | 0.900D | NA | 0.87 | 0.328 | 167.7 | 150.1 | -74.8 | 0.347 |
| | | 11.71 | 7.40 | 19.12 | ONE | 19.692 | 209.2 | 74.1 | 26.9 | | | | | | | | | | |
| 45030.0 | 47450.0 | 0.618 | 188.4 | -4.2 | -0.23 | 1.422 | 67.1 | 1.002 | ******* | 45.8 | 155.6 | 0.840D | NA | 0.82 | 0.326 | 168.1 | 150.8 | -74.5 | 0.348 |
| | | 13.66 | 7.41 | 21.07 | ONE | 19.692 | 209.2 | 74.1 | 27.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447550.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 47550.0 | 0.608 | 217.4 | -13.4 | 0.61 | 1.420 | 112.3 | 0.989 | 74.905 | 315.2 | 517.5 | 0.844 | 148.966A | 0.17 | 0.300 | 167.1 | 152.2 | -73.6 | 0.324 |
| | | 13.40 | 6.98 | 20.38 | TWO | 20.158 | 207.2 | 73.1 | 29.5 | | | | | | | | | | |
| 44950.0 | 47550.0 | 0.544 | 219.0 | -12.4 | 1.10 | 1.421 | 107.7 | 0.990 | 85.421 | 324.5 | 516.6 | 0.893 | 169.949A | -0.34 | 0.303 | 166.8 | 151.0 | -73.9 | 0.325 |
| | | 11.79 | 7.00 | 18.80 | TWO | 20.158 | 207.2 | 73.1 | 29.0 | | | | | | | | | | |
| 44960.0 | 47550.0 | 0.506 | 224.0 | 3.1 | 6.81 | 1.422 | 103.0 | 0.990 | 96.676 | 333.9 | 515.9 | 0.934 | 192.419A | -6.07 | 0.305 | 166.6 | 146.5 | -73.6 | 0.326 |
| | | 10.88 | 7.02 | 17.90 | TWO | 20.158 | 207.2 | 73.1 | 28.6 | | | | | | | | | | |
| 44970.0 | 47550.0 | 0.442 | 212.6 | -18.6 | -1.61 | 1.423 | 98.2 | 0.991 | 107.683 | 343.6 | 515.3 | 0.963 | 214.403A | 2.33 | 0.307 | 166.5 | 151.6 | -74.8 | 0.327 |
| | | 9.37 | 7.03 | 16.40 | ONE | 20.158 | 207.2 | 73.1 | 28.3 | | | | | | | | | | |
| 44980.0 | 47550.0 | 0.413 | 208.2 | -14.3 | -0.73 | 1.423 | 93.2 | 0.992 | 116.944 | 353.5 | 515.0 | 0.980 | 232.908A | 1.43 | 0.308 | 166.4 | 150.5 | -74.9 | 0.328 |
| | | 8.72 | 7.04 | 15.76 | ONE | 20.158 | 207.2 | 73.1 | 28.1 | | | | | | | | | | |
| 44990.0 | 47550.0 | 0.408 | 201.9 | -11.0 | -0.48 | 1.423 | 88.2 | 0.992 | 122.794 | 3.6 | 154.9 | 0.983D | 244.605A | 1.16 | 0.309 | 166.4 | 150.2 | -74.9 | 0.328 |
| | | 8.61 | 7.05 | 15.67 | ONE | 20.158 | 207.2 | 73.1 | 28.0 | | | | | | | | | | |
| 45000.0 | 47550.0 | 0.429 | 195.8 | -8.0 | -0.37 | 1.422 | 83.1 | 0.992 | 124.078 | 13.9 | 155.1 | 0.971D | 247.185A | 1.03 | 0.309 | 166.5 | 150.2 | -74.9 | 0.329 |
| | | 9.08 | 7.06 | 16.15 | ONE | 20.158 | 207.2 | 73.1 | 28.1 | | | | | | | | | | |
| 45010.0 | 47550.0 | 0.474 | 191.2 | -5.8 | -0.31 | 1.421 | 77.8 | 0.992 | 120.745 | 24.4 | 155.5 | 0.943D | 240.548A | 0.94 | 0.309 | 166.7 | 150.4 | -74.7 | 0.329 |
| | | 10.12 | 7.07 | 17.19 | ONE | 20.158 | 207.2 | 73.1 | 28.2 | | | | | | | | | | |
| 45020.0 | 47550.0 | 0.538 | 188.7 | -4.5 | -0.27 | 1.419 | 72.5 | 0.992 | 113.869 | 35.2 | 156.1 | 0.899D | 226.840A | 0.88 | 0.308 | 167.0 | 150.9 | -74.5 | 0.329 |
| | | 11.65 | 7.08 | 18.72 | ONE | 20.158 | 207.2 | 73.1 | 28.5 | | | | | | | | | | |
| 45030.0 | 47550.0 | 0.615 | 188.1 | -4.1 | -0.25 | 1.417 | 67.0 | 0.992 | 105.047 | 46.1 | 157.0 | 0.839D | 209.254A | 0.83 | 0.307 | 167.4 | 151.6 | -74.1 | 0.330 |
| | | 13.58 | 7.08 | 20.67 | ONE | 20.158 | 207.2 | 73.1 | 28.9 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2447650.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 47650.0 | 0.602 | 217.3 | -13.3 | 0.62 | 1.416 | 112.1 | 0.980 | 42.414 | 315.3 | 518.8 | 0.845 | 83.983A | 0.17 | 0.283 | 166.3 | 153.0 | -73.1 | 0.308 |
| | | 13.26 | 6.70 | 19.97 | TWO | 18.698 | 205.4 | 72.1 | 31.1 | | | | | | | | | | |
| 44950.0 | 47650.0 | 0.538 | 218.8 | -12.4 | 1.77 | 1.417 | 107.5 | 0.980 | 45.291 | 324.7 | 517.9 | 0.895 | 89.688A | -0.31 | 0.285 | 166.0 | 151.8 | -73.5 | 0.309 |
| | | 11.66 | 6.72 | 18.38 | TWO | 18.698 | 205.4 | 72.1 | 30.6 | | | | | | | | | | |
| 44960.0 | 47650.0 | 0.490 | 221.5 | -2.5 | 4.55 | 1.419 | 102.8 | 0.981 | 47.980 | 334.2 | 517.2 | 0.935 | 95.024A | -3.81 | 0.287 | 165.8 | 148.7 | -73.5 | 0.310 |
| | | 10.49 | 6.74 | 17.23 | TWO | 18.698 | 205.4 | 72.1 | 30.2 | | | | | | | | | | |
| 44970.0 | 47650.0 | 0.437 | 211.8 | -19.7 | -1.99 | 1.419 | 98.0 | 0.981 | 50.278 | 343.9 | 516.8 | 0.964 | 99.593A | 2.71 | 0.289 | 165.7 | 152.8 | -74.5 | 0.311 |
| | | 9.27 | 6.75 | 16.02 | ONE | 18.698 | 205.4 | 72.1 | 29.9 | | | | | | | | | | |
| 44980.0 | 47650.0 | 0.409 | 207.6 | -14.4 | -0.83 | 1.419 | 93.1 | 0.981 | 51.987 | 353.8 | 516.5 | 0.981 | 102.993A | 1.52 | 0.290 | 165.6 | 151.5 | -74.5 | 0.311 |
| | | 8.62 | 6.76 | 15.38 | ONE | 18.698 | 205.4 | 72.1 | 29.7 | | | | | | | | | | |
| 44990.0 | 47650.0 | 0.404 | 201.3 | -11.0 | -0.53 | 1.419 | 88.1 | 0.981 | 52.946 | 3.9 | 156.4 | 0.983D | 104.909A | 1.21 | 0.291 | 165.6 | 151.1 | -74.6 | 0.312 |
| | | 8.54 | 6.77 | 15.30 | ONE | 18.698 | 205.4 | 72.1 | 29.6 | | | | | | | | | | |
| 45000.0 | 47650.0 | 0.426 | 195.3 | -8.0 | -0.40 | 1.418 | 83.0 | 0.982 | 53.079 | 14.2 | 156.5 | 0.970D | 105.187A | 1.05 | 0.291 | 165.7 | 151.1 | -74.5 | 0.312 |
| | | 9.02 | 6.77 | 15.79 | ONE | 18.698 | 205.4 | 72.1 | 29.7 | | | | | | | | | | |
| 45010.0 | 47650.0 | 0.471 | 190.8 | -5.7 | -0.33 | 1.417 | 77.8 | 0.982 | 52.415 | 24.7 | 156.9 | 0.942D | 103.887A | 0.96 | 0.290 | 165.9 | 151.4 | -74.3 | 0.313 |
| | | 10.06 | 6.78 | 16.83 | ONE | 18.698 | 205.4 | 72.1 | 29.8 | | | | | | | | | | |
| 45020.0 | 47650.0 | 0.535 | 188.4 | -4.4 | -0.29 | 1.415 | 72.4 | 0.982 | 51.080 | 35.4 | 157.5 | 0.898D | 101.263A | 0.89 | 0.290 | 166.2 | 151.9 | -74.0 | 0.313 |
| | | 11.58 | 6.79 | 18.37 | ONE | 18.698 | 205.4 | 72.1 | 30.2 | | | | | | | | | | |
| 45030.0 | 47650.0 | 0.612 | 187.9 | -4.0 | -0.27 | 1.413 | 67.0 | 0.983 | 49.264 | 46.3 | 158.4 | 0.839D | 97.689A | 0.83 | 0.288 | 166.6 | 152.5 | -73.7 | 0.314 |
| | | 13.50 | 6.80 | 20.30 | ONE | 18.698 | 205.4 | 72.1 | 30.6 | | | | | | | | | | |
| ARRIVAL DATE = 2447750.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 47750.0 | 0.598 | 217.3 | -13.3 | 0.63 | 1.413 | 112.0 | 0.972 | 30.759 | 315.4 | 520.0 | 0.846 | 60.671A | 0.16 | 0.266 | 165.5 | 153.8 | -72.6 | 0.294 |
| | | 13.15 | 6.46 | 19.61 | TWO | 18.648 | 203.8 | 71.1 | 32.8 | | | | | | | | | | |
| 44950.0 | 47750.0 | 0.534 | 218.7 | -12.4 | 1.05 | 1.414 | 107.4 | 0.972 | 32.114 | 324.8 | 519.2 | 0.896 | 63.332A | -0.29 | 0.269 | 165.2 | 152.7 | -73.1 | 0.295 |
| | | 11.55 | 6.47 | 18.02 | TWO | 18.648 | 203.8 | 71.1 | 32.3 | | | | | | | | | | |
| 44960.0 | 47750.0 | 0.482 | 220.3 | -5.0 | 3.52 | 1.415 | 102.7 | 0.972 | 33.322 | 334.3 | 518.6 | 0.936 | 65.708A | -2.78 | 0.271 | 165.0 | 150.2 | -73.1 | 0.296 |
| | | 10.30 | 6.49 | 16.78 | TWO | 18.648 | 203.8 | 71.1 | 31.9 | | | | | | | | | | |
| 44970.0 | 47750.0 | 0.434 | 210.9 | -21.2 | -2.51 | 1.416 | 97.9 | 0.972 | 34.311 | 344.0 | 518.1 | 0.965 | 67.656A | 3.23 | 0.272 | 164.8 | 154.1 | -74.1 | 0.296 |
| | | 9.20 | 6.50 | 15.70 | ONE | 18.648 | 203.8 | 71.1 | 31.5 | | | | | | | | | | |
| 44980.0 | 47750.0 | 0.405 | 207.1 | -14.7 | -0.94 | 1.416 | 93.0 | 0.972 | 35.014 | 354.0 | 517.8 | 0.981 | 69.046A | 1.63 | 0.273 | 164.8 | 152.5 | -74.1 | 0.297 |
| | | 8.55 | 6.50 | 15.05 | ONE | 18.648 | 203.8 | 71.1 | 31.3 | | | | | | | | | | |
| 44990.0 | 47750.0 | 0.401 | 200.9 | -11.0 | -0.59 | 1.416 | 88.0 | 0.972 | 35.386 | 4.1 | 157.8 | 0.983D | 69.789A | 1.25 | 0.274 | 164.8 | 152.1 | -74.1 | 0.297 |
| | | 8.47 | 6.51 | 14.98 | ONE | 18.648 | 203.8 | 71.1 | 31.3 | | | | | | | | | | |
| 45000.0 | 47750.0 | 0.424 | 194.9 | -7.9 | -0.44 | 1.415 | 82.9 | 0.973 | 35.410 | 14.4 | 157.9 | 0.970D | 69.851A | 1.08 | 0.274 | 164.9 | 152.1 | -74.1 | 0.297 |
| | | 8.96 | 6.52 | 15.47 | ONE | 18.648 | 203.8 | 71.1 | 31.3 | | | | | | | | | | |
| 45010.0 | 47750.0 | 0.469 | 190.5 | -5.7 | -0.36 | 1.414 | 77.7 | 0.973 | 35.101 | 24.9 | 158.3 | 0.941D | 69.261A | 0.97 | 0.274 | 165.1 | 152.3 | -73.9 | 0.298 |
| | | 10.00 | 6.52 | 16.52 | ONE | 18.648 | 203.8 | 71.1 | 31.5 | | | | | | | | | | |
| 45020.0 | 47750.0 | 0.532 | 188.2 | -4.4 | -0.31 | 1.412 | 72.4 | 0.974 | 34.505 | 35.6 | 158.9 | 0.898D | 68.113A | 0.90 | 0.273 | 165.4 | 152.8 | -73.6 | 0.298 |
| | | 11.51 | 6.53 | 18.04 | ONE | 18.648 | 203.8 | 71.1 | 31.8 | | | | | | | | | | |
| 45030.0 | 47750.0 | 0.609 | 187.8 | -4.0 | -0.28 | 1.410 | 67.1 | 0.975 | 33.688 | 46.5 | 159.7 | 0.839D | 66.538A | 0.84 | 0.271 | 165.8 | 153.5 | -73.2 | 0.299 |
| | | 13.42 | 6.54 | 19.96 | ONE | 18.648 | 203.8 | 71.1 | 32.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447850.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 47850.0 | 0.594 | 217.3 | -13.3 | 0.63 | 1.410 | 111.9 | 0.966 | 24.790 | 315.4 | 521.2 | 0.847 | 48.734A | 0.15 | 0.251 | 164.6 | 154.7 | -72.1 | 0.281 |
| | | 13.06 | 6.24 | 19.30 | TWO | 20.159 | 202.4 | 70.0 | 34.5 | | | | | | | | | | |
| 44950.0 | 47850.0 | 0.530 | 218.6 | -12.4 | 1.02 | 1.411 | 107.3 | 0.965 | 25.591 | 324.8 | 520.4 | 0.896 | 50.287A | -0.26 | 0.253 | 164.3 | 153.6 | -72.6 | 0.282 |
| | | 11.46 | 6.25 | 17.71 | TWO | 20.159 | 202.4 | 70.0 | 34.0 | | | | | | | | | | |
| 44960.0 | 47850.0 | 0.476 | 219.7 | -6.6 | 2.92 | 1.412 | 102.6 | 0.964 | 26.289 | 334.4 | 519.8 | 0.936 | 51.641A | -2.19 | 0.255 | 164.1 | 151.5 | -72.7 | 0.282 |
| | | 10.17 | 6.26 | 16.44 | TWO | 20.159 | 202.4 | 70.0 | 33.5 | | | | | | | | | | |
| 44970.0 | 47850.0 | 0.433 | 209.8 | -23.6 | -3.29 | 1.413 | 97.8 | 0.964 | 26.845 | 344.2 | 519.4 | 0.965 | 52.725A | 4.00 | 0.257 | 163.9 | 155.7 | -73.7 | 0.283 |
| | | 9.18 | 6.27 | 15.45 | ONE | 20.159 | 202.4 | 70.0 | 33.3 | | | | | | | | | | |
| 44980.0 | 47850.0 | 0.402 | 206.8 | -15.0 | -1.06 | 1.413 | 92.9 | 0.964 | 27.231 | 354.1 | 519.1 | 0.981 | 53.481A | 1.75 | 0.258 | 163.9 | 153.6 | -73.7 | 0.283 |
| | | 8.48 | 6.28 | 14.76 | ONE | 20.159 | 202.4 | 70.0 | 33.0 | | | | | | | | | | |
| 44990.0 | 47850.0 | 0.399 | 200.6 | -11.1 | -0.65 | 1.413 | 87.9 | 0.964 | 27.426 | 4.2 | 159.0 | 0.983D | 53.870A | 1.31 | 0.258 | 163.9 | 153.1 | -73.7 | 0.283 |
| | | 8.41 | 6.28 | 14.69 | ONE | 20.159 | 202.4 | 70.0 | 32.9 | | | | | | | | | | |
| 45000.0 | 47850.0 | 0.421 | 194.6 | -8.0 | -0.48 | 1.412 | 82.9 | 0.965 | 27.425 | 14.5 | 159.2 | 0.970D | 53.881A | 1.11 | 0.258 | 164.0 | 153.1 | -73.6 | 0.284 |
| | | 8.90 | 6.29 | 15.19 | ONE | 20.159 | 202.4 | 70.0 | 33.0 | | | | | | | | | | |
| 45010.0 | 47850.0 | 0.466 | 190.3 | -5.7 | -0.39 | 1.411 | 77.7 | 0.965 | 27.236 | 25.0 | 159.5 | 0.941D | 53.531A | 0.99 | 0.258 | 164.2 | 153.3 | -73.4 | 0.284 |
| | | 9.94 | 6.30 | 16.23 | ONE | 20.159 | 202.4 | 70.0 | 33.2 | | | | | | | | | | |
| 45020.0 | 47850.0 | 0.529 | 188.1 | -4.4 | -0.33 | 1.409 | 72.5 | 0.967 | 26.883 | 35.7 | 160.1 | 0.897D | 52.869A | 0.91 | 0.257 | 164.5 | 153.7 | -73.1 | 0.285 |
| | | 11.44 | 6.30 | 17.75 | ONE | 20.159 | 202.4 | 70.0 | 33.5 | | | | | | | | | | |
| 45030.0 | 47850.0 | 0.605 | 187.7 | -4.0 | -0.30 | 1.407 | 67.1 | 0.968 | 26.399 | 46.5 | 160.9 | 0.839D | 51.960A | 0.85 | 0.256 | 165.0 | 154.4 | -72.7 | 0.285 |
| | | 13.34 | 6.31 | 19.65 | ONE | 20.159 | 202.4 | 70.0 | 34.0 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2447950.0 | | | | | | | | | | | |
| 44940.0 | 47950.0 | 0.592 | 217.4 | -13.3 | 0.64 | 1.408 | 111.8 | 0.960 | 21.181 | 315.4 | 522.3 | 0.847 | 41.515A | 0.15 | 0.237 | 163.7 | 155.6 | -71.6 | 0.269 |
| | | 12.99 | 6.05 | 19.04 | TWO | 19.866 | 201.1 | 69.0 | 36.3 | | | | | | | | | | |
| 44950.0 | 47950.0 | 0.527 | 218.7 | -12.5 | 1.01 | 1.409 | 107.2 | 0.959 | 21.718 | 324.8 | 521.5 | 0.897 | 42.539A | -0.25 | 0.239 | 163.4 | 154.5 | -72.0 | 0.269 |
| | | 11.39 | 6.06 | 17.44 | TWO | 19.866 | 201.1 | 69.0 | 35.7 | | | | | | | | | | |
| 44960.0 | 47950.0 | 0.473 | 219.3 | -7.6 | 2.54 | 1.410 | 102.5 | 0.958 | 22.178 | 334.4 | 521.0 | 0.937 | 43.419A | -1.81 | 0.241 | 163.2 | 152.6 | -72.3 | 0.270 |
| | | 10.08 | 6.06 | 16.15 | TWO | 19.866 | 201.1 | 69.0 | 35.3 | | | | | | | | | | |
| 44970.0 | 47950.0 | 0.435 | 208.3 | -27.4 | -4.54 | 1.411 | 97.7 | 0.957 | 22.540 | 344.2 | 520.6 | 0.965 | 44.114A | 5.25 | 0.242 | 163.0 | 157.8 | -73.3 | 0.270 |
| | | 9.23 | 6.07 | 15.30 | ONE | 19.866 | 201.1 | 69.0 | 35.0 | | | | | | | | | | |
| 44980.0 | 47950.0 | 0.400 | 206.5 | -15.5 | -1.21 | 1.411 | 92.9 | 0.957 | 22.786 | 354.2 | 520.3 | 0.981 | 44.591A | 1.89 | 0.243 | 162.9 | 154.7 | -73.2 | 0.271 |
| | | 8.43 | 6.08 | 14.50 | ONE | 19.866 | 201.1 | 69.0 | 34.7 | | | | | | | | | | |
| 44990.0 | 47950.0 | 0.396 | 200.4 | -11.3 | -0.71 | 1.410 | 87.9 | 0.957 | 22.906 | 4.3 | 160.3 | 0.983D | 44.829A | 1.37 | 0.244 | 162.9 | 154.2 | -73.2 | 0.271 |
| | | 8.35 | 6.08 | 14.44 | ONE | 19.866 | 201.1 | 69.0 | 34.7 | | | | | | | | | | |
| 45000.0 | 47950.0 | 0.419 | 194.5 | -8.1 | -0.52 | 1.409 | 82.9 | 0.958 | 22.897 | 14.6 | 160.4 | 0.970D | 44.824A | 1.14 | 0.244 | 163.1 | 154.1 | -73.1 | 0.271 |
| | | 8.85 | 6.09 | 14.93 | ONE | 19.866 | 201.1 | 69.0 | 34.7 | | | | | | | | | | |
| 45010.0 | 47950.0 | 0.464 | 190.2 | -5.7 | -0.41 | 1.408 | 77.7 | 0.959 | 22.765 | 25.1 | 160.7 | 0.941D | 44.588A | 1.01 | 0.243 | 163.3 | 154.3 | -72.9 | 0.272 |
| | | 9.88 | 6.09 | 15.97 | ONE | 19.866 | 201.1 | 69.0 | 34.9 | | | | | | | | | | |
| 45020.0 | 47950.0 | 0.527 | 188.0 | -4.4 | -0.36 | 1.407 | 72.5 | 0.960 | 22.524 | 35.7 | 161.3 | 0.898D | 44.150A | 0.92 | 0.242 | 163.6 | 154.7 | -72.6 | 0.272 |
| | | 11.37 | 6.10 | 17.48 | ONE | 19.866 | 201.1 | 69.0 | 35.3 | | | | | | | | | | |
| 45030.0 | 47950.0 | 0.602 | 187.7 | -4.1 | -0.32 | 1.405 | 67.2 | 0.962 | 22.194 | 46.5 | 162.0 | 0.840D | 43.549A | 0.85 | 0.241 | 164.1 | 155.3 | -72.1 | 0.273 |
| | | 13.25 | 6.11 | 19.36 | ONE | 19.866 | 201.1 | 69.0 | 35.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448050.0 | | | | | | | | | | | |
| 44940.0 | 48050.0 | 0.590 | 217.5 | -13.3 | 0.65 | 1.405 | 111.8 | 0.955 | 18.774 | 315.3 | 523.3 | 0.847 | 36.702A | 0.14 | 0.223 | 162.7 | 156.5 | -71.0 | 0.258 |
| | | 12.94 | 5.88 | 18.82 | TWO | 18.461 | 199.9 | 67.9 | 38.1 | | | | | | | | | | |
| 44950.0 | 48050.0 | 0.525 | 218.7 | -12.5 | 0.99 | 1.407 | 107.2 | 0.953 | 19.164 | 324.8 | 522.6 | 0.897 | 37.432A | -0.23 | 0.226 | 162.4 | 155.4 | -71.5 | 0.258 |
| | | 11.34 | 5.88 | 17.22 | TWO | 18.461 | 199.9 | 67.9 | 37.5 | | | | | | | | | | |
| 44960.0 | 48050.0 | 0.470 | 219.1 | -8.3 | 2.27 | 1.408 | 102.5 | 0.952 | 19.495 | 334.4 | 522.1 | 0.937 | 38.053A | -1.54 | 0.228 | 162.2 | 153.7 | -71.7 | 0.258 |
| | | 10.02 | 5.89 | 15.91 | TWO | 18.461 | 199.9 | 67.9 | 37.1 | | | | | | | | | | |
| 44970.0 | 48050.0 | 0.447 | 205.5 | -34.4 | -6.92 | 1.408 | 97.7 | 0.951 | 19.752 | 344.2 | 521.7 | 0.965 | 38.539A | 7.63 | 0.229 | 162.0 | 160.9 | -72.9 | 0.259 |
| | | 9.48 | 5.90 | 15.38 | ONE | 18.461 | 199.9 | 67.9 | 36.9 | | | | | | | | | | |
| 44980.0 | 48050.0 | 0.398 | 206.3 | -16.1 | -1.38 | 1.408 | 92.8 | 0.951 | 19.925 | 354.2 | 521.5 | 0.981 | 38.869A | 2.06 | 0.230 | 161.9 | 155.8 | -72.6 | 0.259 |
| | | 8.38 | 5.90 | 14.28 | ONE | 18.461 | 199.9 | 67.9 | 36.5 | | | | | | | | | | |
| 44990.0 | 48050.0 | 0.394 | 200.3 | -11.6 | -0.78 | 1.408 | 87.9 | 0.951 | 20.006 | 4.3 | 161.4 | 0.983D | 39.030A | 1.43 | 0.230 | 162.0 | 155.2 | -72.6 | 0.259 |
| | | 8.31 | 5.90 | 14.21 | ONE | 18.461 | 199.9 | 67.9 | 36.4 | | | | | | | | | | |
| 45000.0 | 48050.0 | 0.416 | 194.4 | -8.2 | -0.56 | 1.407 | 82.9 | 0.952 | 19.995 | 14.6 | 161.5 | 0.970D | 39.020A | 1.18 | 0.230 | 162.1 | 155.1 | -72.5 | 0.260 |
| | | 8.80 | 5.91 | 14.70 | ONE | 18.461 | 199.9 | 67.9 | 36.5 | | | | | | | | | | |
| 45010.0 | 48050.0 | 0.461 | 190.2 | -5.8 | -0.44 | 1.406 | 77.8 | 0.953 | 19.895 | 25.0 | 161.8 | 0.941D | 38.848A | 1.03 | 0.230 | 162.3 | 155.3 | -72.3 | 0.260 |
| | | 9.82 | 5.91 | 15.73 | ONE | 18.461 | 199.9 | 67.9 | 36.7 | | | | | | | | | | |
| 45020.0 | 48050.0 | 0.524 | 188.0 | -4.5 | -0.38 | 1.404 | 72.6 | 0.954 | 19.716 | 35.6 | 162.4 | 0.898D | 38.533A | 0.94 | 0.229 | 162.6 | 155.7 | -72.0 | 0.261 |
| | | 11.30 | 5.92 | 17.22 | ONE | 18.461 | 199.9 | 67.9 | 37.1 | | | | | | | | | | |
| 45030.0 | 48050.0 | 0.598 | 187.8 | -4.2 | -0.34 | 1.402 | 67.3 | 0.957 | 19.472 | 46.4 | 163.0 | 0.841D | 38.103A | 0.86 | 0.227 | 163.1 | 156.2 | -71.6 | 0.261 |
| | | 13.16 | 5.93 | 19.10 | ONE | 18.461 | 199.9 | 67.9 | 37.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448150.0 | | | | | | | | | | | |
| 44940.0 | 48150.0 | 0.588 | 217.6 | -13.3 | 0.65 | 1.404 | 111.8 | 0.950 | 17.065 | 315.2 | 524.3 | 0.846 | 33.283A | 0.13 | 0.211 | 161.7 | 157.4 | -70.3 | 0.248 |
| | | 12.91 | 5.72 | 18.63 | TWO | 19.169 | 198.9 | 66.8 | 40.0 | | | | | | | | | | |
| 44950.0 | 48150.0 | 0.523 | 218.8 | -12.6 | 0.98 | 1.405 | 107.2 | 0.948 | 17.364 | 324.7 | 523.7 | 0.896 | 33.832A | -0.22 | 0.213 | 161.4 | 156.3 | -70.8 | 0.248 |
| | | 11.30 | 5.73 | 17.03 | TWO | 19.169 | 198.9 | 66.8 | 39.4 | | | | | | | | | | |
| 44960.0 | 48150.0 | 0.468 | 219.0 | -8.9 | 2.07 | 1.406 | 102.5 | 0.947 | 17.616 | 334.3 | 523.1 | 0.936 | 34.295A | -1.34 | 0.215 | 161.1 | 154.8 | -71.1 | 0.248 |
| | | 9.97 | 5.73 | 15.70 | TWO | 19.169 | 198.9 | 66.8 | 38.9 | | | | | | | | | | |
| 44970.0 | 48150.0 | 0.502 | 197.3 | -50.5 | -13.17 | 1.406 | 97.7 | 0.946 | 17.810 | 344.2 | 522.8 | 0.965 | 34.655A | 13.87 | 0.216 | 161.0 | 167.7 | -72.6 | 0.250 |
| | | 10.77 | 5.76 | 16.54 | ONE | 19.169 | 198.9 | 66.8 | 39.1 | | | | | | | | | | |
| 44980.0 | 48150.0 | 0.396 | 206.1 | -16.8 | -1.59 | 1.406 | 92.9 | 0.945 | 17.939 | 354.1 | 522.5 | 0.981 | 34.898A | 2.26 | 0.217 | 160.9 | 157.0 | -72.1 | 0.249 |
| | | 8.35 | 5.74 | 14.09 | ONE | 19.169 | 198.9 | 66.8 | 38.3 | | | | | | | | | | |
| 44990.0 | 48150.0 | 0.392 | 200.3 | -11.9 | -0.86 | 1.406 | 87.9 | 0.945 | 17.998 | 4.2 | 162.5 | 0.983D | 35.014A | 1.50 | 0.218 | 160.9 | 156.2 | -72.1 | 0.249 |
| | | 8.26 | 5.74 | 14.01 | ONE | 19.169 | 198.9 | 66.8 | 38.2 | | | | | | | | | | |
| 45000.0 | 48150.0 | 0.414 | 194.4 | -8.4 | -0.60 | 1.405 | 82.9 | 0.946 | 17.986 | 14.5 | 162.6 | 0.970D | 35.003A | 1.22 | 0.218 | 161.0 | 156.1 | -72.0 | 0.249 |
| | | 8.75 | 5.75 | 14.49 | ONE | 19.169 | 198.9 | 66.8 | 38.3 | | | | | | | | | | |
| 45010.0 | 48150.0 | 0.459 | 190.2 | -5.9 | -0.47 | 1.404 | 77.9 | 0.947 | 17.907 | 25.0 | 162.9 | 0.942D | 34.872A | 1.06 | 0.217 | 161.3 | 156.2 | -71.7 | 0.250 |
| | | 9.76 | 5.75 | 15.51 | ONE | 19.169 | 198.9 | 66.8 | 38.5 | | | | | | | | | | |
| 45020.0 | 48150.0 | 0.521 | 188.1 | -4.6 | -0.40 | 1.402 | 72.7 | 0.949 | 17.767 | 35.5 | 163.4 | 0.899D | 34.634A | 0.95 | 0.216 | 161.6 | 156.6 | -71.4 | 0.250 |
| | | 11.23 | 5.76 | 16.99 | ONE | 19.169 | 198.9 | 66.8 | 38.9 | | | | | | | | | | |
| 45030.0 | 48150.0 | 0.595 | 187.9 | -4.2 | -0.36 | 1.400 | 67.5 | 0.952 | 17.576 | 46.2 | 164.0 | 0.842D | 34.309A | 0.87 | 0.215 | 162.1 | 157.2 | -70.9 | 0.251 |
| | | 13.07 | 5.77 | 18.84 | ONE | 19.169 | 198.9 | 66.8 | 39.4 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448250.0** | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 48250.0 | 0.588 | 217.8 | -13.4 | 0.66 | 1.402 | 111.9 | 0.946 | 15.794 | 315.0 | 525.3 | 0.845 | 30.743A | 0.13 | 0.199 | 160.6 | 158.2 | -69.6 | 0.238 |
| | | 12.89 | 5.59 | 18.48 | TWO | 20.417 | 197.9 | 65.7 | 41.9 | | | | | | | | | | |
| 44950.0 | 48250.0 | 0.523 | 219.0 | -12.7 | 0.96 | 1.403 | 107.2 | 0.944 | 16.033 | 324.5 | 524.6 | 0.896 | 31.171A | -0.21 | 0.201 | 160.3 | 157.2 | -70.2 | 0.238 |
| | | 11.28 | 5.59 | 16.87 | TWO | 20.417 | 197.9 | 65.7 | 41.2 | | | | | | | | | | |
| 44960.0 | 48250.0 | 0.466 | 219.1 | -9.4 | 1.92 | 1.404 | 102.5 | 0.942 | 16.234 | 334.2 | 524.1 | 0.936 | 31.531A | -1.19 | 0.203 | 160.0 | 155.8 | -70.5 | 0.239 |
| | | 9.94 | 5.59 | 15.53 | TWO | 20.417 | 197.9 | 65.7 | 40.7 | | | | | | | | | | |
| 44980.0 | 48250.0 | 0.395 | 205.9 | -17.7 | -1.84 | 1.405 | 92.9 | 0.941 | 16.488 | 354.0 | 523.6 | 0.981 | 31.996A | 2.50 | 0.205 | 159.8 | 158.2 | -71.5 | 0.239 |
| | | 8.33 | 5.60 | 13.92 | ONE | 20.417 | 197.9 | 65.7 | 40.2 | | | | | | | | | | |
| 44990.0 | 48250.0 | 0.390 | 200.3 | -12.2 | -0.94 | 1.404 | 88.0 | 0.941 | 16.533 | 4.1 | 163.5 | 0.983D | 32.084A | 1.58 | 0.206 | 159.8 | 157.3 | -71.4 | 0.239 |
| | | 8.23 | 5.60 | 13.83 | ONE | 20.417 | 197.9 | 65.7 | 40.1 | | | | | | | | | | |
| 45000.0 | 48250.0 | 0.412 | 194.5 | -8.6 | -0.65 | 1.403 | 83.0 | 0.941 | 16.522 | 14.4 | 163.6 | 0.970D | 32.074A | 1.26 | 0.206 | 159.9 | 157.1 | -71.3 | 0.240 |
| | | 8.70 | 5.60 | 14.30 | ONE | 20.417 | 197.9 | 65.7 | 40.1 | | | | | | | | | | |
| 45010.0 | 48250.0 | 0.456 | 190.3 | -6.1 | -0.51 | 1.402 | 78.0 | 0.943 | 16.457 | 24.8 | 163.9 | 0.942D | 31.971A | 1.08 | 0.205 | 160.2 | 157.2 | -71.1 | 0.240 |
| | | 9.70 | 5.61 | 15.31 | ONE | 20.417 | 197.9 | 65.7 | 40.4 | | | | | | | | | | |
| 45020.0 | 48250.0 | 0.517 | 188.2 | -4.8 | -0.43 | 1.401 | 72.8 | 0.945 | 16.342 | 35.4 | 164.4 | 0.900D | 31.785A | 0.97 | 0.204 | 160.5 | 157.5 | -70.8 | 0.241 |
| | | 11.15 | 5.62 | 16.77 | ONE | 20.417 | 197.9 | 65.7 | 40.7 | | | | | | | | | | |
| 45030.0 | 48250.0 | 0.591 | 188.0 | -4.4 | -0.38 | 1.399 | 67.6 | 0.948 | 16.187 | 46.0 | 165.0 | 0.843D | 31.530A | 0.88 | 0.203 | 161.0 | 158.0 | -70.3 | 0.241 |
| | | 12.98 | 5.63 | 18.61 | ONE | 20.417 | 197.9 | 65.7 | 41.2 | | | | | | | | | | |
| **ARRIVAL DATE = 2448350.0** | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 48350.0 | 0.588 | 218.0 | -13.4 | 0.66 | 1.400 | 111.9 | 0.943 | 14.818 | 314.7 | 526.2 | 0.844 | 28.792A | 0.13 | 0.188 | 159.5 | 159.1 | -68.9 | 0.230 |
| | | 12.89 | 5.47 | 18.36 | TWO | 19.442 | 197.0 | 64.7 | 43.8 | | | | | | | | | | |
| 44950.0 | 48350.0 | 0.522 | 219.2 | -12.8 | 0.95 | 1.402 | 107.3 | 0.940 | 15.015 | 324.3 | 525.6 | 0.895 | 29.136A | -0.20 | 0.190 | 159.1 | 158.1 | -69.5 | 0.230 |
| | | 11.27 | 5.47 | 16.73 | TWO | 19.442 | 197.0 | 64.7 | 43.1 | | | | | | | | | | |
| 44960.0 | 48350.0 | 0.466 | 219.2 | -9.8 | 1.79 | 1.403 | 102.6 | 0.938 | 15.180 | 334.0 | 525.1 | 0.935 | 29.424A | -1.07 | 0.192 | 158.9 | 156.8 | -69.8 | 0.230 |
| | | 9.92 | 5.47 | 15.39 | TWO | 19.442 | 197.0 | 64.7 | 42.6 | | | | | | | | | | |
| 44970.0 | 48350.0 | 0.596 | 238.7 | 36.4 | 20.54 | 1.403 | 97.9 | 0.937 | 15.305 | 343.8 | 524.8 | 0.964 | 29.647A | -19.85 | 0.194 | 158.7 | 144.4 | -66.7 | 0.234 |
| | | 13.10 | 5.52 | 18.63 | TWO | 19.442 | 197.0 | 64.7 | 43.3 | | | | | | | | | | |
| 44980.0 | 48350.0 | 0.394 | 205.8 | -18.9 | -2.15 | 1.403 | 93.0 | 0.936 | 15.388 | 353.8 | 524.5 | 0.981 | 29.795A | 2.81 | 0.194 | 158.6 | 159.4 | -70.8 | 0.230 |
| | | 8.31 | 5.47 | 13.78 | ONE | 19.442 | 197.0 | 64.7 | 42.0 | | | | | | | | | | |
| 44990.0 | 48350.0 | 0.389 | 200.5 | -12.7 | -1.04 | 1.403 | 88.1 | 0.936 | 15.424 | 4.0 | 164.5 | 0.983D | 29.864A | 1.67 | 0.195 | 158.7 | 158.3 | -70.8 | 0.230 |
| | | 8.19 | 5.47 | 13.66 | ONE | 19.442 | 197.0 | 64.7 | 41.9 | | | | | | | | | | |
| 45000.0 | 48350.0 | 0.410 | 194.7 | -8.9 | -0.70 | 1.402 | 83.1 | 0.937 | 15.413 | 14.2 | 164.6 | 0.971D | 29.856A | 1.30 | 0.195 | 158.8 | 158.0 | -70.7 | 0.231 |
| | | 8.65 | 5.48 | 14.13 | ONE | 19.442 | 197.0 | 64.7 | 42.0 | | | | | | | | | | |
| 45010.0 | 48350.0 | 0.453 | 190.5 | -6.3 | -0.54 | 1.401 | 78.1 | 0.939 | 15.358 | 24.6 | 164.9 | 0.943D | 29.772A | 1.11 | 0.194 | 159.0 | 158.1 | -70.5 | 0.231 |
| | | 9.64 | 5.48 | 15.12 | ONE | 19.442 | 197.0 | 64.7 | 42.2 | | | | | | | | | | |
| 45020.0 | 48350.0 | 0.514 | 188.4 | -4.9 | -0.45 | 1.399 | 73.0 | 0.941 | 15.262 | 35.2 | 165.3 | 0.901D | 29.623A | 0.98 | 0.193 | 159.4 | 158.4 | -70.1 | 0.232 |
| | | 11.08 | 5.49 | 16.57 | ONE | 19.442 | 197.0 | 64.7 | 42.6 | | | | | | | | | | |
| 45030.0 | 48350.0 | 0.587 | 188.2 | -4.5 | -0.40 | 1.397 | 67.8 | 0.944 | 15.132 | 45.8 | 165.9 | 0.845D | 29.418A | 0.89 | 0.192 | 159.9 | 158.9 | -69.6 | 0.233 |
| | | 12.88 | 5.50 | 18.39 | ONE | 19.442 | 197.0 | 64.7 | 43.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2448450.0** | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 48450.0 | 0.588 | 218.3 | -13.5 | 0.67 | 1.399 | 112.0 | 0.940 | 14.050 | 314.5 | 527.0 | 0.843 | 27.256A | 0.12 | 0.178 | 158.3 | 159.9 | -68.1 | 0.222 |
| | | 12.90 | 5.36 | 18.26 | TWO | 18.469 | 196.2 | 63.6 | 45.7 | | | | | | | | | | |
| 44950.0 | 48450.0 | 0.522 | 219.5 | -12.9 | 0.94 | 1.400 | 107.4 | 0.937 | 14.216 | 324.0 | 526.5 | 0.894 | 27.538A | -0.19 | 0.180 | 157.9 | 159.0 | -68.7 | 0.222 |
| | | 11.27 | 5.36 | 16.63 | TWO | 18.469 | 196.2 | 63.6 | 45.1 | | | | | | | | | | |
| 44960.0 | 48450.0 | 0.465 | 219.4 | -10.2 | 1.69 | 1.401 | 102.7 | 0.935 | 14.355 | 333.8 | 526.0 | 0.935 | 27.775A | -0.97 | 0.182 | 157.7 | 157.8 | -69.1 | 0.222 |
| | | 9.91 | 5.35 | 15.27 | TWO | 18.469 | 196.2 | 63.6 | 44.5 | | | | | | | | | | |
| 44970.0 | 48450.0 | 0.466 | 225.7 | 15.0 | 9.90 | 1.402 | 97.9 | 0.933 | 14.460 | 343.6 | 525.7 | 0.964 | 27.956A | -9.21 | 0.183 | 157.5 | 151.2 | -68.2 | 0.223 |
| | | 9.93 | 5.37 | 15.29 | TWO | 18.469 | 196.2 | 63.6 | 44.4 | | | | | | | | | | |
| 44980.0 | 48450.0 | 0.394 | 205.6 | -20.3 | -2.54 | 1.402 | 93.1 | 0.933 | 14.529 | 353.6 | 525.5 | 0.980 | 28.077A | 3.20 | 0.184 | 157.4 | 160.6 | -70.2 | 0.222 |
| | | 8.31 | 5.36 | 13.67 | ONE | 18.469 | 196.2 | 63.6 | 44.0 | | | | | | | | | | |
| 44990.0 | 48450.0 | 0.387 | 200.7 | -13.2 | -1.14 | 1.401 | 88.2 | 0.932 | 14.558 | 3.7 | 165.4 | 0.983D | 28.134A | 1.77 | 0.184 | 157.4 | 159.3 | -70.1 | 0.222 |
| | | 8.16 | 5.36 | 13.52 | ONE | 18.469 | 196.2 | 63.6 | 43.8 | | | | | | | | | | |
| 45000.0 | 48450.0 | 0.408 | 195.0 | -9.2 | -0.75 | 1.401 | 83.2 | 0.933 | 14.549 | 14.0 | 165.5 | 0.971D | 28.127A | 1.35 | 0.184 | 157.6 | 159.0 | -70.0 | 0.222 |
| | | 8.60 | 5.36 | 13.97 | ONE | 18.469 | 196.2 | 63.6 | 43.9 | | | | | | | | | | |
| 45010.0 | 48450.0 | 0.451 | 190.8 | -6.5 | -0.58 | 1.399 | 78.2 | 0.935 | 14.501 | 24.4 | 165.8 | 0.944D | 28.058A | 1.13 | 0.184 | 157.8 | 159.1 | -69.8 | 0.223 |
| | | 9.57 | 5.37 | 14.94 | ONE | 18.469 | 196.2 | 63.6 | 44.1 | | | | | | | | | | |
| 45020.0 | 48450.0 | 0.511 | 188.6 | -5.1 | -0.48 | 1.398 | 73.1 | 0.937 | 14.419 | 34.9 | 166.2 | 0.903D | 27.936A | 1.00 | 0.183 | 158.2 | 159.3 | -69.4 | 0.224 |
| | | 11.00 | 5.38 | 16.38 | ONE | 18.469 | 196.2 | 63.6 | 44.5 | | | | | | | | | | |
| 45030.0 | 48450.0 | 0.583 | 188.4 | -4.6 | -0.42 | 1.396 | 68.0 | 0.941 | 14.308 | 45.5 | 166.7 | 0.847D | 27.768A | 0.90 | 0.181 | 158.7 | 159.8 | -68.9 | 0.224 |
| | | 12.78 | 5.39 | 18.18 | ONE | 18.469 | 196.2 | 63.6 | 45.0 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2448550.0 | | | | | | | | | | | |
| 44940.0 | 48550.0 | 0.589 | 218.5 | -13.6 | 0.67 | 1.398 | 112.1 | 0.937 | 13.432 | 314.1 | 527.9 | 0.841 | 26.023A | 0.12 | 0.168 | 157.0 | 160.7 | -67.4 | 0.215 |
| | | 12.93 | 5.26 | 18.19 | TWO | 19.750 | 195.4 | 62.5 | 47.7 | | | | | | | | | | |
| 44950.0 | 48550.0 | 0.523 | 219.8 | -13.0 | 0.93 | 1.399 | 107.5 | 0.934 | 13.576 | 323.7 | 527.3 | 0.893 | 26.259A | -0.18 | 0.170 | 156.7 | 159.8 | -68.0 | 0.215 |
| | | 11.29 | 5.26 | 16.54 | TWO | 19.750 | 195.4 | 62.5 | 47.0 | | | | | | | | | | |
| 44960.0 | 48550.0 | 0.465 | 219.6 | -10.5 | 1.61 | 1.400 | 102.8 | 0.932 | 13.695 | 333.5 | 526.9 | 0.934 | 26.456A | -0.89 | 0.172 | 156.4 | 158.7 | -68.4 | 0.214 |
| | | 9.91 | 5.26 | 15.17 | TWO | 19.750 | 195.4 | 62.5 | 46.5 | | | | | | | | | | |
| 44970.0 | 48550.0 | 0.440 | 222.3 | 6.2 | 6.66 | 1.401 | 98.0 | 0.930 | 13.785 | 343.3 | 526.6 | 0.963 | 26.607A | -5.97 | 0.173 | 156.2 | 154.3 | -68.0 | 0.215 |
| | | 9.34 | 5.26 | 14.60 | TWO | 19.750 | 195.4 | 62.5 | 46.2 | | | | | | | | | | |
| 44980.0 | 48550.0 | 0.395 | 205.4 | -22.2 | -3.06 | 1.401 | 93.2 | 0.929 | 13.844 | 353.4 | 526.4 | 0.980 | 26.708A | 3.71 | 0.174 | 156.1 | 162.0 | -69.5 | 0.215 |
| | | 8.33 | 5.26 | 13.59 | ONE | 19.750 | 195.4 | 62.5 | 45.9 | | | | | | | | | | |
| 44990.0 | 48550.0 | 0.386 | 200.9 | -13.7 | -1.26 | 1.400 | 88.3 | 0.929 | 13.869 | 3.5 | 166.3 | 0.983D | 26.755A | 1.88 | 0.175 | 156.1 | 160.3 | -69.4 | 0.215 |
| | | 8.13 | 5.26 | 13.39 | ONE | 19.750 | 195.4 | 62.5 | 45.8 | | | | | | | | | | |
| 45000.0 | 48550.0 | 0.406 | 195.3 | -9.5 | -0.81 | 1.399 | 83.4 | 0.930 | 13.861 | 13.7 | 166.4 | 0.972D | 26.750A | 1.40 | 0.175 | 156.3 | 159.9 | -69.3 | 0.215 |
| | | 8.56 | 5.26 | 13.82 | ONE | 19.750 | 195.4 | 62.5 | 45.8 | | | | | | | | | | |
| 45010.0 | 48550.0 | 0.448 | 191.0 | -6.8 | -0.61 | 1.398 | 78.4 | 0.932 | 13.819 | 24.1 | 166.6 | 0.945D | 26.693A | 1.16 | 0.174 | 156.5 | 159.9 | -69.0 | 0.215 |
| | | 9.51 | 5.27 | 14.78 | ONE | 19.750 | 195.4 | 62.5 | 46.1 | | | | | | | | | | |
| 45020.0 | 48550.0 | 0.508 | 188.9 | -5.3 | -0.50 | 1.397 | 73.3 | 0.934 | 13.748 | 34.6 | 167.0 | 0.904D | 26.591A | 1.02 | 0.173 | 156.9 | 160.2 | -68.7 | 0.216 |
| | | 10.91 | 5.28 | 16.19 | ONE | 19.750 | 195.4 | 62.5 | 46.4 | | | | | | | | | | |
| 45030.0 | 48550.0 | 0.579 | 188.7 | -4.8 | -0.44 | 1.395 | 68.2 | 0.938 | 13.651 | 45.2 | 167.5 | 0.850D | 26.451A | 0.91 | 0.171 | 157.4 | 160.6 | -68.2 | 0.217 |
| | | 12.68 | 5.29 | 17.97 | ONE | 19.750 | 195.4 | 62.5 | 46.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448650.0 | | | | | | | | | | | |
| 44940.0 | 48650.0 | 0.590 | 218.9 | -13.7 | 0.68 | 1.397 | 112.3 | 0.935 | 12.928 | 313.8 | 528.6 | 0.839 | 25.017A | 0.11 | 0.159 | 155.7 | 161.5 | -66.6 | 0.208 |
| | | 12.96 | 5.18 | 18.14 | TWO | 20.416 | 194.7 | 61.4 | 49.7 | | | | | | | | | | |
| 44950.0 | 48650.0 | 0.524 | 220.1 | -13.2 | 0.92 | 1.398 | 107.6 | 0.932 | 13.054 | 323.4 | 528.1 | 0.891 | 25.217A | -0.17 | 0.161 | 155.3 | 160.6 | -67.2 | 0.208 |
| | | 11.31 | 5.17 | 16.48 | TWO | 20.416 | 194.7 | 61.4 | 49.0 | | | | | | | | | | |
| 44960.0 | 48650.0 | 0.466 | 220.0 | -10.8 | 1.54 | 1.399 | 102.9 | 0.929 | 13.158 | 333.2 | 527.7 | 0.933 | 25.383A | -0.82 | 0.163 | 155.0 | 159.6 | -67.6 | 0.208 |
| | | 9.92 | 5.17 | 15.09 | TWO | 20.416 | 194.7 | 61.4 | 48.5 | | | | | | | | | | |
| 44970.0 | 48650.0 | 0.431 | 221.0 | 1.6 | 5.10 | 1.399 | 98.2 | 0.927 | 13.237 | 343.0 | 527.4 | 0.963 | 25.512A | -4.42 | 0.164 | 154.8 | 156.3 | -67.5 | 0.208 |
| | | 9.13 | 5.17 | 14.30 | TWO | 20.416 | 194.7 | 61.4 | 48.1 | | | | | | | | | | |
| 44980.0 | 48650.0 | 0.397 | 204.9 | -24.7 | -3.78 | 1.399 | 93.3 | 0.926 | 13.289 | 353.1 | 527.2 | 0.980 | 25.597A | 4.43 | 0.165 | 154.8 | 163.5 | -68.8 | 0.208 |
| | | 8.38 | 5.17 | 13.55 | ONE | 20.416 | 194.7 | 61.4 | 47.9 | | | | | | | | | | |
| 44990.0 | 48650.0 | 0.385 | 201.2 | -14.4 | -1.40 | 1.399 | 88.5 | 0.926 | 13.310 | 3.2 | 167.1 | 0.983D | 25.638A | 2.01 | 0.165 | 154.8 | 161.3 | -68.7 | 0.208 |
| | | 8.11 | 5.17 | 13.28 | ONE | 20.416 | 194.7 | 61.4 | 47.7 | | | | | | | | | | |
| 45000.0 | 48650.0 | 0.404 | 195.6 | -9.9 | -0.87 | 1.398 | 83.5 | 0.927 | 13.303 | 13.4 | 167.2 | 0.972D | 25.633A | 1.45 | 0.165 | 154.9 | 160.8 | -68.5 | 0.208 |
| | | 8.52 | 5.17 | 13.69 | ONE | 20.416 | 194.7 | 61.4 | 47.8 | | | | | | | | | | |
| 45010.0 | 48650.0 | 0.445 | 191.4 | -7.1 | -0.65 | 1.397 | 78.5 | 0.929 | 13.266 | 23.8 | 167.4 | 0.946D | 25.586A | 1.19 | 0.165 | 155.1 | 160.8 | -68.3 | 0.209 |
| | | 9.45 | 5.18 | 14.63 | ONE | 20.416 | 194.7 | 61.4 | 48.0 | | | | | | | | | | |
| 45020.0 | 48650.0 | 0.504 | 189.2 | -5.5 | -0.53 | 1.395 | 73.5 | 0.931 | 13.203 | 34.2 | 167.8 | 0.906D | 25.500A | 1.04 | 0.164 | 155.5 | 161.0 | -67.9 | 0.209 |
| | | 10.83 | 5.19 | 16.02 | ONE | 20.416 | 194.7 | 61.4 | 48.4 | | | | | | | | | | |
| 45030.0 | 48650.0 | 0.575 | 189.0 | -5.0 | -0.46 | 1.394 | 68.4 | 0.935 | 13.117 | 44.8 | 168.3 | 0.852D | 25.383A | 0.93 | 0.162 | 156.0 | 161.4 | -67.4 | 0.210 |
| | | 12.58 | 5.20 | 17.78 | ONE | 20.416 | 194.7 | 61.4 | 48.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448750.0 | | | | | | | | | | | |
| 44940.0 | 48750.0 | 0.592 | 219.2 | -13.8 | 0.68 | 1.396 | 112.4 | 0.933 | 12.512 | 313.4 | 529.4 | 0.837 | 24.186A | 0.11 | 0.150 | 154.3 | 162.2 | -65.7 | 0.202 |
| | | 13.00 | 5.10 | 18.10 | TWO | 19.014 | 194.1 | 60.3 | 51.7 | | | | | | | | | | |
| 44950.0 | 48750.0 | 0.525 | 220.5 | -13.3 | 0.92 | 1.397 | 107.8 | 0.930 | 12.623 | 323.1 | 528.9 | 0.889 | 24.358A | -0.16 | 0.152 | 153.9 | 161.4 | -66.4 | 0.202 |
| | | 11.34 | 5.09 | 16.44 | TWO | 19.014 | 194.1 | 60.3 | 51.0 | | | | | | | | | | |
| 44960.0 | 48750.0 | 0.467 | 220.3 | -11.1 | 1.48 | 1.398 | 103.1 | 0.927 | 12.716 | 332.8 | 528.5 | 0.931 | 24.500A | -0.76 | 0.154 | 153.6 | 160.4 | -66.8 | 0.202 |
| | | 9.94 | 5.09 | 15.03 | TWO | 19.014 | 194.1 | 60.3 | 50.5 | | | | | | | | | | |
| 44970.0 | 48750.0 | 0.427 | 220.4 | -13.3 | 4.19 | 1.398 | 98.3 | 0.925 | 12.786 | 342.7 | 528.2 | 0.962 | 24.610A | -3.51 | 0.156 | 153.4 | 157.8 | -66.8 | 0.202 |
| | | 9.04 | 5.09 | 14.13 | TWO | 19.014 | 194.1 | 60.3 | 50.1 | | | | | | | | | | |
| 44980.0 | 48750.0 | 0.402 | 204.0 | -28.3 | -4.83 | 1.399 | 93.5 | 0.924 | 12.832 | 352.8 | 528.0 | 0.980 | 24.684A | 5.48 | 0.156 | 153.3 | 165.3 | -68.1 | 0.202 |
| | | 8.48 | 5.09 | 13.57 | ONE | 19.014 | 194.1 | 60.3 | 49.9 | | | | | | | | | | |
| 44990.0 | 48750.0 | 0.384 | 201.5 | -15.1 | -1.55 | 1.398 | 88.6 | 0.923 | 12.851 | 2.9 | 168.0 | 0.983D | 24.719A | 2.16 | 0.157 | 153.3 | 162.2 | -67.9 | 0.202 |
| | | 8.09 | 5.09 | 13.18 | ONE | 19.014 | 194.1 | 60.3 | 49.7 | | | | | | | | | | |
| 45000.0 | 48750.0 | 0.402 | 196.0 | -10.4 | -0.94 | 1.397 | 83.7 | 0.924 | 12.844 | 13.1 | 168.0 | 0.973D | 24.716A | 1.52 | 0.157 | 153.4 | 161.7 | -67.8 | 0.202 |
| | | 8.47 | 5.09 | 13.56 | ONE | 19.014 | 194.1 | 60.3 | 49.7 | | | | | | | | | | |
| 45010.0 | 48750.0 | 0.442 | 191.8 | -7.4 | -0.69 | 1.396 | 78.7 | 0.926 | 12.812 | 23.4 | 168.2 | 0.948D | 24.676A | 1.23 | 0.156 | 153.7 | 161.6 | -67.5 | 0.202 |
| | | 9.38 | 5.10 | 14.48 | ONE | 19.014 | 194.1 | 60.3 | 50.0 | | | | | | | | | | |
| 45020.0 | 48750.0 | 0.501 | 189.6 | -5.8 | -0.56 | 1.394 | 73.7 | 0.929 | 12.756 | 33.9 | 168.5 | 0.908D | 24.604A | 1.06 | 0.155 | 154.1 | 161.8 | -67.2 | 0.203 |
| | | 10.75 | 5.11 | 15.86 | ONE | 19.014 | 194.1 | 60.3 | 50.3 | | | | | | | | | | |
| 45030.0 | 48750.0 | 0.571 | 189.3 | -5.2 | -0.49 | 1.393 | 68.6 | 0.933 | 12.679 | 44.4 | 169.0 | 0.855D | 24.503A | 0.94 | 0.153 | 154.6 | 162.1 | -66.7 | 0.204 |
| | | 12.48 | 5.12 | 17.60 | ONE | 19.014 | 194.1 | 60.3 | 50.8 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448850.0** | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 48850.0 | 0.594 | 219.6 | -13.9 | 0.68 | 1.395 | 112.6 | 0.931 | 12.164 | 313.0 | 530.1 | 0.835 | 23.494A | 0.11 | 0.142 | 152.7 | 162.9 | -64.9 | 0.197 |
| | | 13.06 | 5.03 | 18.09 | TWO | 18.739 | 193.5 | 59.3 | 53.8 | | | | | | | | | | |
| 44950.0 | 48850.0 | 0.527 | 220.9 | -13.5 | 0.91 | 1.396 | 107.9 | 0.928 | 12.265 | 322.7 | 529.6 | 0.887 | 23.642A | -0.16 | 0.144 | 152.4 | 162.2 | -65.5 | 0.196 |
| | | 11.38 | 5.02 | 16.41 | TWO | 18.739 | 193.5 | 59.3 | 53.0 | | | | | | | | | | |
| 44960.0 | 48850.0 | 0.468 | 220.7 | -11.4 | 1.43 | 1.397 | 103.2 | 0.925 | 12.348 | 332.5 | 529.2 | 0.930 | 23.765A | -0.71 | 0.146 | 152.1 | 161.2 | -66.0 | 0.196 |
| | | 9.97 | 5.02 | 14.99 | TWO | 18.739 | 193.5 | 59.3 | 52.5 | | | | | | | | | | |
| 44970.0 | 48850.0 | 0.426 | 220.3 | -3.3 | 3.59 | 1.398 | 98.5 | 0.923 | 12.411 | 342.3 | 528.9 | 0.961 | 23.861A | -2.91 | 0.148 | 151.9 | 159.1 | -66.1 | 0.196 |
| | | 9.01 | 5.02 | 14.02 | TWO | 18.739 | 193.5 | 59.3 | 52.1 | | | | | | | | | | |
| 44980.0 | 48850.0 | 0.412 | 202.2 | -33.8 | -6.54 | 1.398 | 93.6 | 0.921 | 12.452 | 352.4 | 528.8 | 0.979 | 23.924A | 7.18 | 0.148 | 151.8 | 167.6 | -67.4 | 0.196 |
| | | 8.70 | 5.02 | 13.72 | ONE | 18.739 | 193.5 | 59.3 | 51.9 | | | | | | | | | | |
| 44990.0 | 48850.0 | 0.383 | 201.9 | -16.0 | -1.73 | 1.397 | 88.8 | 0.921 | 12.469 | 2.5 | 168.7 | 0.984D | 23.955A | 2.33 | 0.149 | 151.8 | 163.1 | -67.1 | 0.196 |
| | | 8.08 | 5.02 | 13.09 | ONE | 18.739 | 193.5 | 59.3 | 51.7 | | | | | | | | | | |
| 45000.0 | 48850.0 | 0.400 | 196.5 | -10.8 | -1.02 | 1.396 | 83.9 | 0.922 | 12.463 | 12.7 | 168.8 | 0.974D | 23.953A | 1.58 | 0.149 | 151.9 | 162.5 | -67.0 | 0.196 |
| | | 8.43 | 5.02 | 13.45 | ONE | 18.739 | 193.5 | 59.3 | 51.7 | | | | | | | | | | |
| 45010.0 | 48850.0 | 0.440 | 192.2 | -7.7 | -0.74 | 1.395 | 78.9 | 0.924 | 12.434 | 23.1 | 169.0 | 0.949D | 23.920A | 1.26 | 0.148 | 152.2 | 162.4 | -66.7 | 0.197 |
| | | 9.32 | 5.03 | 14.35 | ONE | 18.739 | 193.5 | 59.3 | 51.9 | | | | | | | | | | |
| 45020.0 | 48850.0 | 0.497 | 190.0 | -6.0 | -0.59 | 1.394 | 73.9 | 0.927 | 12.384 | 33.5 | 169.3 | 0.910D | 23.858A | 1.08 | 0.147 | 152.5 | 162.5 | -66.4 | 0.197 |
| | | 10.66 | 5.04 | 15.70 | ONE | 18.739 | 193.5 | 59.3 | 52.3 | | | | | | | | | | |
| 45030.0 | 48850.0 | 0.567 | 189.6 | -5.4 | -0.51 | 1.392 | 68.9 | 0.930 | 12.315 | 43.9 | 169.7 | 0.857D | 23.772A | 0.95 | 0.145 | 153.1 | 162.8 | -65.9 | 0.198 |
| | | 12.37 | 5.05 | 17.42 | ONE | 18.739 | 193.5 | 59.3 | 52.8 | | | | | | | | | | |
| 45040.0 | 48850.0 | 0.645 | 190.8 | -5.6 | -0.46 | 1.390 | 63.8 | 0.935 | 12.230 | 54.5 | 170.2 | 0.792D | 23.668A | 0.85 | 0.143 | 153.8 | 163.2 | -65.2 | 0.200 |
| | | 14.36 | 5.07 | 19.43 | ONE | 18.739 | 193.5 | 59.3 | 53.5 | | | | | | | | | | |
| **ARRIVAL DATE = 2448950.0** | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 48950.0 | 0.597 | 219.9 | -14.0 | 0.69 | 1.394 | 112.8 | 0.930 | 11.872 | 312.5 | 530.8 | 0.832 | 22.912A | 0.11 | 0.134 | 151.1 | 163.6 | -64.0 | 0.192 |
| | | 13.12 | 4.97 | 18.09 | TWO | 20.257 | 192.9 | 58.2 | 55.8 | | | | | | | | | | |
| 44950.0 | 48950.0 | 0.529 | 221.3 | -13.6 | 0.90 | 1.396 | 108.1 | 0.926 | 11.963 | 322.2 | 530.3 | 0.885 | 23.040A | -0.15 | 0.137 | 150.7 | 162.9 | -64.7 | 0.191 |
| | | 11.43 | 4.96 | 16.40 | TWO | 20.257 | 192.9 | 58.2 | 55.1 | | | | | | | | | | |
| 44960.0 | 48950.0 | 0.469 | 221.2 | -11.7 | 1.38 | 1.396 | 103.4 | 0.923 | 12.038 | 332.0 | 530.0 | 0.929 | 23.148A | -0.67 | 0.138 | 150.4 | 162.0 | -65.2 | 0.191 |
| | | 10.00 | 4.96 | 14.96 | TWO | 20.257 | 192.9 | 58.2 | 54.5 | | | | | | | | | | |
| 44970.0 | 48950.0 | 0.425 | 220.4 | -4.8 | 3.16 | 1.397 | 98.6 | 0.921 | 12.096 | 341.9 | 529.7 | 0.960 | 23.231A | -2.49 | 0.140 | 150.3 | 160.1 | -65.3 | 0.191 |
| | | 8.99 | 4.95 | 13.95 | TWO | 20.257 | 192.9 | 58.2 | 54.1 | | | | | | | | | | |
| 44980.0 | 48950.0 | 0.438 | 197.9 | -43.2 | -9.76 | 1.397 | 93.8 | 0.919 | 12.133 | 352.0 | 529.5 | 0.979 | 23.287A | 10.39 | 0.141 | 150.2 | 171.2 | -66.7 | 0.192 |
| | | 9.30 | 4.97 | 14.26 | ONE | 20.257 | 192.9 | 58.2 | 54.1 | | | | | | | | | | |
| 44990.0 | 48950.0 | 0.383 | 202.3 | -17.0 | -1.94 | 1.396 | 89.0 | 0.919 | 12.149 | 2.1 | 169.4 | 0.984D | 23.315A | 2.54 | 0.141 | 150.2 | 164.1 | -66.3 | 0.191 |
| | | 8.06 | 4.95 | 13.02 | ONE | 20.257 | 192.9 | 58.2 | 53.7 | | | | | | | | | | |
| 45000.0 | 48950.0 | 0.398 | 197.0 | -11.4 | -1.10 | 1.396 | 84.1 | 0.920 | 12.144 | 12.3 | 169.5 | 0.974D | 23.314A | 1.66 | 0.141 | 150.3 | 163.3 | -66.2 | 0.191 |
| | | 8.39 | 4.96 | 13.35 | ONE | 20.257 | 192.9 | 58.2 | 53.7 | | | | | | | | | | |
| 45010.0 | 48950.0 | 0.437 | 192.7 | -8.1 | -0.78 | 1.394 | 79.1 | 0.922 | 12.118 | 22.6 | 169.7 | 0.950D | 23.286A | 1.30 | 0.140 | 150.5 | 163.2 | -65.9 | 0.191 |
| | | 9.26 | 4.96 | 14.22 | ONE | 20.257 | 192.9 | 58.2 | 53.9 | | | | | | | | | | |
| 45020.0 | 48950.0 | 0.493 | 190.4 | -6.3 | -0.62 | 1.393 | 74.2 | 0.924 | 12.072 | 33.0 | 170.0 | 0.912D | 23.233A | 1.10 | 0.139 | 150.9 | 163.2 | -65.6 | 0.192 |
| | | 10.58 | 4.97 | 15.55 | ONE | 20.257 | 192.9 | 58.2 | 54.3 | | | | | | | | | | |
| 45030.0 | 48950.0 | 0.563 | 190.0 | -5.6 | -0.53 | 1.391 | 69.1 | 0.928 | 12.009 | 43.5 | 170.3 | 0.860D | 23.159A | 0.96 | 0.138 | 151.4 | 163.5 | -65.1 | 0.193 |
| | | 12.26 | 4.98 | 17.25 | ONE | 20.257 | 192.9 | 58.2 | 54.8 | | | | | | | | | | |
| 45040.0 | 48950.0 | 0.640 | 191.2 | -5.8 | -0.48 | 1.389 | 64.0 | 0.933 | 11.932 | 54.0 | 170.8 | 0.796D | 23.069A | 0.86 | 0.136 | 152.2 | 163.8 | -64.5 | 0.195 |
| | | 14.24 | 5.00 | 19.24 | ONE | 20.257 | 192.9 | 58.2 | 55.4 | | | | | | | | | | |
| **ARRIVAL DATE = 2449050.0** | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49050.0 | 0.600 | 220.3 | -14.1 | 0.69 | 1.394 | 113.0 | 0.929 | 11.624 | 312.1 | 531.4 | 0.829 | 22.419A | 0.10 | 0.127 | 149.4 | 164.2 | -63.1 | 0.188 |
| | | 13.19 | 4.92 | 18.11 | TWO | 20.173 | 192.3 | 57.1 | 57.8 | | | | | | | | | | |
| 44950.0 | 49050.0 | 0.531 | 221.8 | -13.8 | 0.90 | 1.395 | 108.3 | 0.925 | 11.708 | 321.8 | 531.0 | 0.883 | 22.532A | -0.15 | 0.129 | 149.0 | 163.5 | -63.8 | 0.187 |
| | | 11.49 | 4.91 | 16.40 | TWO | 20.173 | 192.3 | 57.1 | 57.1 | | | | | | | | | | |
| 44960.0 | 49050.0 | 0.471 | 221.7 | -12.0 | 1.34 | 1.396 | 103.6 | 0.921 | 11.777 | 331.6 | 530.6 | 0.927 | 22.627A | -0.63 | 0.131 | 148.7 | 162.7 | -64.3 | 0.186 |
| | | 10.05 | 4.90 | 14.95 | TWO | 20.173 | 192.3 | 57.1 | 56.5 | | | | | | | | | | |
| 44970.0 | 49050.0 | 0.425 | 220.6 | -6.0 | 2.84 | 1.396 | 98.8 | 0.919 | 11.829 | 341.5 | 530.4 | 0.959 | 22.700A | -2.17 | 0.133 | 148.5 | 161.1 | -64.5 | 0.186 |
| | | 9.00 | 4.90 | 13.89 | TWO | 20.173 | 192.3 | 57.1 | 56.1 | | | | | | | | | | |
| 44980.0 | 49050.0 | 0.539 | 182.2 | -61.5 | -18.00 | 1.396 | 94.0 | 0.918 | 11.864 | 351.6 | 530.2 | 0.978 | 22.749A | 18.63 | 0.134 | 148.4 | 178.9 | -65.8 | 0.190 |
| | | 11.67 | 4.95 | 16.61 | ONE | 20.173 | 192.3 | 57.1 | 56.7 | | | | | | | | | | |
| 44990.0 | 49050.0 | 0.383 | 202.6 | -18.1 | -2.19 | 1.396 | 89.2 | 0.917 | 11.879 | 1.7 | 170.1 | 0.984D | 22.774A | 2.78 | 0.134 | 148.5 | 165.0 | -65.5 | 0.186 |
| | | 8.06 | 4.90 | 12.96 | ONE | 20.173 | 192.3 | 57.1 | 55.7 | | | | | | | | | | |
| 45000.0 | 49050.0 | 0.396 | 197.5 | -11.9 | -1.18 | 1.395 | 84.3 | 0.918 | 11.874 | 11.9 | 170.2 | 0.975D | 22.774A | 1.74 | 0.134 | 148.6 | 164.1 | -65.4 | 0.186 |
| | | 8.35 | 4.90 | 13.25 | ONE | 20.173 | 192.3 | 57.1 | 55.7 | | | | | | | | | | |
| 45010.0 | 49050.0 | 0.434 | 193.2 | -8.5 | -0.83 | 1.394 | 79.4 | 0.920 | 11.851 | 22.2 | 170.3 | 0.952D | 22.750A | 1.34 | 0.133 | 148.8 | 163.9 | -65.1 | 0.187 |
| | | 9.19 | 4.90 | 14.10 | ONE | 20.173 | 192.3 | 57.1 | 55.9 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45020.0 | 49050.0 | 0.490<br>10.49 | 190.8<br>4.91 | -6.6<br>15.40 | -0.65<br>ONE | 1.392<br>20.173 | 74.4<br>192.3 | 0.923<br>57.1 | 11.809<br>56.3 | 32.6 | 170.6 | 0.914D | 22.704A | 1.12 | 0.132 | 149.2 | 163.9 | -64.8 | 0.187 |
| 45030.0 | 49050.0 | 0.558<br>12.16 | 190.4<br>4.93 | -5.9<br>17.08 | -0.56<br>ONE | 1.390<br>20.173 | 69.4<br>192.3 | 0.927<br>57.1 | 11.752<br>56.8 | 43.0 | 171.0 | 0.863D | 22.640A | 0.98 | 0.131 | 149.7 | 164.1 | -64.3 | 0.188 |
| 45040.0 | 49050.0 | 0.635<br>14.11 | 191.5<br>4.95 | -6.0<br>19.05 | -0.50<br>ONE | 1.388<br>20.173 | 64.3<br>192.3 | 0.932<br>57.1 | 11.681<br>57.4 | 53.4 | 171.4 | 0.800D | 22.562A | 0.87 | 0.129 | 150.4 | 164.5 | -63.7 | 0.190 |
| ARRIVAL DATE = 2449150.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49150.0 | 0.603<br>13.27 | 220.8<br>4.87 | -14.3<br>18.14 | 0.69<br>TWO | 1.393<br>18.714 | 113.2<br>191.8 | 0.928<br>56.0 | 11.414<br>59.9 | 311.6 | 532.1 | 0.826 | 22.001A | 0.10 | 0.120 | 147.6 | 164.8 | -62.3 | 0.184 |
| 44950.0 | 49150.0 | 0.534<br>11.56 | 222.3<br>4.86 | -14.0<br>16.42 | 0.89<br>TWO | 1.394<br>18.714 | 108.5<br>191.8 | 0.923<br>56.0 | 11.490<br>59.1 | 321.3 | 531.6 | 0.881 | 22.100A | -0.14 | 0.123 | 147.2 | 164.2 | -62.9 | 0.183 |
| 44960.0 | 49150.0 | 0.473<br>10.09 | 222.2<br>4.85 | -12.3<br>14.95 | 1.31<br>TWO | 1.395<br>18.714 | 103.8<br>191.8 | 0.920<br>56.0 | 11.554<br>58.5 | 331.1 | 531.3 | 0.925 | 22.184A | -0.60 | 0.125 | 146.9 | 163.4 | -63.5 | 0.182 |
| 44970.0 | 49150.0 | 0.426<br>9.01 | 221.0<br>4.85 | -7.0<br>13.86 | 2.60<br>TWO | 1.396<br>18.714 | 99.1<br>191.8 | 0.917<br>56.0 | 11.603<br>58.1 | 341.1 | 531.0 | 0.958 | 22.248A | -1.93 | 0.126 | 146.7 | 162.0 | -63.7 | 0.182 |
| 44990.0 | 49150.0 | 0.383<br>8.06 | 203.0<br>4.85 | -19.4<br>12.91 | -2.49<br>ONE | 1.395<br>18.714 | 89.4<br>191.8 | 0.916<br>56.0 | 11.649<br>57.7 | 1.2 | 170.8 | 0.984D | 22.315A | 3.08 | 0.127 | 146.6 | 165.9 | -64.7 | 0.181 |
| 45000.0 | 49150.0 | 0.394<br>8.31 | 198.1<br>4.85 | -12.5<br>13.16 | -1.28<br>ONE | 1.394<br>18.714 | 84.5<br>191.8 | 0.916<br>56.0 | 11.645<br>57.7 | 11.4 | 170.9 | 0.976D | 22.315A | 1.83 | 0.127 | 146.8 | 164.8 | -64.5 | 0.182 |
| 45010.0 | 49150.0 | 0.431<br>9.13 | 193.7<br>4.85 | -8.9<br>13.98 | -0.88<br>ONE | 1.393<br>18.714 | 79.6<br>191.8 | 0.918<br>56.0 | 11.624<br>57.9 | 21.7 | 171.0 | 0.953D | 22.295A | 1.39 | 0.127 | 147.0 | 164.5 | -64.3 | 0.182 |
| 45020.0 | 49150.0 | 0.486<br>10.40 | 191.3<br>4.86 | -6.9<br>15.26 | -0.69<br>ONE | 1.392<br>18.714 | 74.6<br>191.8 | 0.921<br>56.0 | 11.586<br>58.2 | 32.1 | 171.2 | 0.916D | 22.255A | 1.15 | 0.126 | 147.4 | 164.6 | -64.0 | 0.183 |
| 45030.0 | 49150.0 | 0.554<br>12.05 | 190.8<br>4.88 | -6.1<br>16.92 | -0.58<br>ONE | 1.390<br>18.714 | 69.6<br>191.8 | 0.925<br>56.0 | 11.533<br>58.7 | 42.4 | 171.6 | 0.866D | 22.200A | 0.99 | 0.124 | 147.9 | 164.7 | -63.5 | 0.184 |
| 45040.0 | 49150.0 | 0.630<br>13.98 | 191.9<br>4.89 | -6.2<br>18.87 | -0.52<br>ONE | 1.388<br>18.714 | 64.6<br>191.8 | 0.930<br>56.0 | 11.468<br>59.3 | 52.9 | 172.0 | 0.804D | 22.132A | 0.88 | 0.122 | 148.6 | 165.0 | -62.9 | 0.186 |
| ARRIVAL DATE = 2449250.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49250.0 | 0.606<br>13.36 | 221.2<br>4.83 | -14.4<br>18.19 | 0.70<br>TWO | 1.393<br>19.215 | 113.5<br>191.4 | 0.927<br>54.9 | 11.234<br>61.9 | 311.0 | 532.7 | 0.823 | 21.644A | 0.10 | 0.114 | 145.7 | 165.4 | -61.4 | 0.180 |
| 44950.0 | 49250.0 | 0.537<br>11.63 | 222.8<br>4.82 | -14.1<br>16.45 | 0.89<br>TWO | 1.394<br>19.215 | 108.8<br>191.4 | 0.922<br>54.9 | 11.305<br>61.2 | 320.8 | 532.3 | 0.878 | 21.732A | -0.14 | 0.116 | 145.3 | 164.7 | -62.1 | 0.179 |
| 44960.0 | 49250.0 | 0.475<br>10.15 | 222.8<br>4.81 | -12.6<br>14.96 | 1.27<br>TWO | 1.395<br>19.215 | 104.0<br>191.4 | 0.919<br>54.9 | 11.364<br>60.6 | 330.6 | 531.9 | 0.923 | 21.805A | -0.57 | 0.118 | 145.0 | 164.0 | -62.6 | 0.178 |
| 44970.0 | 49250.0 | 0.427<br>9.04 | 221.4<br>4.80 | -7.9<br>13.84 | 2.40<br>TWO | 1.395<br>19.215 | 99.3<br>191.4 | 0.916<br>54.9 | 11.410<br>60.1 | 340.6 | 531.7 | 0.957 | 21.863A | -1.74 | 0.120 | 144.8 | 162.7 | -62.9 | 0.178 |
| 44990.0 | 49250.0 | 0.383<br>8.07 | 203.2<br>4.80 | -21.0<br>12.87 | -2.86<br>ONE | 1.395<br>19.215 | 89.6<br>191.4 | 0.914<br>54.9 | 11.453<br>59.7 | 0.8 | 171.5 | 0.984D | 21.922A | 3.45 | 0.121 | 144.7 | 166.8 | -63.9 | 0.178 |
| 45000.0 | 49250.0 | 0.393<br>8.28 | 198.7<br>4.80 | -13.2<br>13.08 | -1.39<br>ONE | 1.394<br>19.215 | 84.8<br>191.4 | 0.915<br>54.9 | 11.450<br>59.7 | 10.9 | 171.5 | 0.977D | 21.924A | 1.93 | 0.121 | 144.8 | 165.5 | -63.7 | 0.178 |
| 45010.0 | 49250.0 | 0.428<br>9.06 | 194.3<br>4.81 | -9.4<br>13.87 | -0.94<br>ONE | 1.393<br>19.215 | 79.9<br>191.4 | 0.916<br>54.9 | 11.431<br>59.9 | 21.2 | 171.6 | 0.955D | 21.906A | 1.43 | 0.120 | 145.1 | 165.2 | -63.5 | 0.178 |
| 45020.0 | 49250.0 | 0.482<br>10.31 | 191.8<br>4.82 | -7.3<br>15.13 | -0.72<br>ONE | 1.391<br>19.215 | 74.9<br>191.4 | 0.919<br>54.9 | 11.396<br>60.2 | 31.5 | 171.8 | 0.919D | 21.873A | 1.18 | 0.119 | 145.4 | 165.2 | -63.1 | 0.179 |
| 45030.0 | 49250.0 | 0.549<br>11.94 | 191.3<br>4.83 | -6.4<br>16.77 | -0.61<br>ONE | 1.389<br>19.215 | 69.9<br>191.4 | 0.923<br>54.9 | 11.347<br>60.7 | 41.9 | 172.1 | 0.869D | 21.824A | 1.01 | 0.118 | 145.9 | 165.3 | -62.7 | 0.180 |
| 45040.0 | 49250.0 | 0.625<br>13.85 | 192.3<br>4.85 | -6.5<br>18.70 | -0.54<br>ONE | 1.387<br>19.215 | 64.9<br>191.4 | 0.928<br>54.9 | 11.286<br>61.3 | 52.3 | 172.5 | 0.808D | 21.765A | 0.89 | 0.116 | 146.6 | 165.6 | -62.1 | 0.182 |
| ARRIVAL DATE = 2449350.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49350.0 | 0.610<br>13.45 | 221.7<br>4.79 | -14.6<br>18.24 | 0.70<br>TWO | 1.392<br>20.575 | 113.7<br>190.9 | 0.926<br>53.8 | 11.079<br>63.9 | 310.5 | 533.2 | 0.820 | 21.339A | 0.10 | 0.108 | 143.6 | 165.9 | -60.5 | 0.177 |
| 44950.0 | 49350.0 | 0.540<br>11.71 | 223.3<br>4.78 | -14.3<br>16.49 | 0.88<br>TWO | 1.393<br>20.575 | 109.0<br>190.9 | 0.921<br>53.8 | 11.146<br>63.2 | 320.3 | 532.8 | 0.876 | 21.416A | -0.13 | 0.110 | 143.2 | 165.3 | -61.2 | 0.176 |
| 44960.0 | 49350.0 | 0.478<br>10.21 | 223.3<br>4.77 | -12.9<br>14.98 | 1.24<br>TWO | 1.394<br>20.575 | 104.3<br>190.9 | 0.918<br>53.8 | 11.202<br>62.6 | 330.1 | 532.5 | 0.921 | 21.482A | -0.54 | 0.112 | 143.0 | 164.6 | -61.8 | 0.175 |
| 44970.0 | 49350.0 | 0.428<br>9.07 | 222.0<br>4.76 | -8.6<br>13.83 | 2.24<br>TWO | 1.395<br>20.575 | 99.5<br>190.9 | 0.915<br>53.8 | 11.244<br>62.1 | 340.1 | 532.3 | 0.955 | 21.533A | -1.58 | 0.114 | 142.8 | 163.5 | -62.1 | 0.174 |
| 44980.0 | 49350.0 | 0.477<br>10.20 | 230.1<br>4.78 | 25.1<br>14.98 | 13.22<br>TWO | 1.395<br>20.575 | 94.7<br>190.9 | 0.913<br>53.8 | 11.272<br>62.2 | 350.1 | 532.1 | 0.976 | 21.568A | -12.60 | 0.115 | 142.7 | 155.1 | -60.5 | 0.176 |
| 44990.0 | 49350.0 | 0.384<br>8.10 | 203.4<br>4.76 | -22.9<br>12.86 | -3.34<br>ONE | 1.394<br>20.575 | 89.9<br>190.9 | 0.913<br>53.8 | 11.285<br>61.7 | 0.3 | 172.1 | 0.984D | 21.587A | 3.91 | 0.115 | 142.7 | 167.8 | -63.1 | 0.174 |
| 45000.0 | 49350.0 | 0.391<br>8.25 | 199.3<br>4.76 | -14.0<br>13.01 | -1.51<br>ONE | 1.393<br>20.575 | 85.0<br>190.9 | 0.913<br>53.8 | 11.283<br>61.7 | 10.4 | 172.1 | 0.977D | 21.589A | 2.04 | 0.115 | 142.8 | 166.2 | -62.9 | 0.174 |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45010.0 | 49350.0 | 0.425 | 195.0 | -9.9 | -1.00 | 1.392 | 80.1 | 0.915 | 11.265 | 20.7 | 172.2 | 0.956D | 21.574A | 1.49 | 0.115 | 143.0 | 165.8 | -62.7 | 0.175 |
| | | 9.00 | 4.77 | 13.77 | ONE | 20.575 | 190.9 | 53.8 | 61.9 | | | | | | | | | | |
| 45020.0 | 49350.0 | 0.479 | 192.4 | -7.6 | -0.76 | 1.391 | 75.2 | 0.918 | 11.233 | 31.0 | 172.4 | 0.921D | 21.545A | 1.21 | 0.114 | 143.4 | 165.7 | -62.3 | 0.176 |
| | | 10.22 | 4.78 | 15.00 | ONE | 20.575 | 190.9 | 53.8 | 62.2 | | | | | | | | | | |
| 45030.0 | 49350.0 | 0.545 | 191.8 | -6.7 | -0.63 | 1.389 | 70.2 | 0.922 | 11.188 | 41.3 | 172.7 | 0.872D | 21.503A | 1.03 | 0.112 | 143.9 | 165.8 | -61.9 | 0.177 |
| | | 11.82 | 4.79 | 16.61 | ONE | 20.575 | 190.9 | 53.8 | 62.6 | | | | | | | | | | |
| 45040.0 | 49350.0 | 0.620 | 192.8 | -6.7 | -0.56 | 1.387 | 65.2 | 0.927 | 11.131 | 51.7 | 173.1 | 0.812D | 21.451A | 0.90 | 0.110 | 144.5 | 166.1 | -61.3 | 0.178 |
| | | 13.71 | 4.81 | 18.52 | ONE | 20.575 | 190.9 | 53.8 | 63.2 | | | | | | | | | | |
| ARRIVAL DATE = 2449450.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49450.0 | 0.614 | 222.1 | -14.7 | 0.70 | 1.392 | 114.0 | 0.925 | 10.947 | 309.9 | 533.8 | 0.816 | 21.078A | 0.09 | 0.102 | 141.4 | 166.4 | -59.7 | 0.174 |
| | | 13.55 | 4.76 | 18.31 | TWO | 19.767 | 190.5 | 52.7 | 65.9 | | | | | | | | | | |
| 44950.0 | 49450.0 | 0.544 | 223.8 | -14.5 | 0.88 | 1.393 | 109.3 | 0.921 | 11.010 | 319.7 | 533.4 | 0.873 | 21.146A | -0.13 | 0.105 | 141.1 | 165.8 | -60.4 | 0.173 |
| | | 11.79 | 4.75 | 16.54 | TWO | 19.767 | 190.5 | 52.7 | 65.2 | | | | | | | | | | |
| 44960.0 | 49450.0 | 0.481 | 224.0 | -13.2 | 1.22 | 1.394 | 104.5 | 0.917 | 11.062 | 329.6 | 533.1 | 0.919 | 21.205A | -0.52 | 0.107 | 140.8 | 165.1 | -60.9 | 0.172 |
| | | 10.27 | 4.74 | 15.01 | TWO | 19.767 | 190.5 | 52.7 | 64.6 | | | | | | | | | | |
| 44970.0 | 49450.0 | 0.430 | 222.5 | -9.3 | 2.11 | 1.394 | 99.8 | 0.914 | 11.102 | 339.5 | 532.9 | 0.954 | 21.250A | -1.45 | 0.108 | 140.6 | 164.1 | -61.3 | 0.171 |
| | | 9.11 | 4.73 | 13.83 | TWO | 19.767 | 190.5 | 52.7 | 64.1 | | | | | | | | | | |
| 44980.0 | 49450.0 | 0.433 | 225.7 | 13.6 | 8.81 | 1.394 | 95.0 | 0.912 | 11.129 | 349.6 | 532.7 | 0.976 | 21.282A | -8.20 | 0.109 | 140.5 | 158.7 | -60.5 | 0.172 |
| | | 9.16 | 4.73 | 13.89 | TWO | 19.767 | 190.5 | 52.7 | 63.9 | | | | | | | | | | |
| 44990.0 | 49450.0 | 0.387 | 203.4 | -25.3 | -3.96 | 1.394 | 90.1 | 0.912 | 11.142 | 359.7 | 532.7 | 0.984 | 21.299A | 4.53 | 0.110 | 140.5 | 168.8 | -62.3 | 0.171 |
| | | 8.15 | 4.73 | 12.87 | ONE | 19.767 | 190.5 | 52.7 | 63.7 | | | | | | | | | | |
| 45000.0 | 49450.0 | 0.390 | 200.0 | -14.7 | -1.64 | 1.393 | 85.3 | 0.912 | 11.140 | 9.9 | 172.7 | 0.978D | 21.301A | 2.17 | 0.110 | 140.6 | 166.8 | -62.1 | 0.171 |
| | | 8.22 | 4.73 | 12.94 | ONE | 19.767 | 190.5 | 52.7 | 63.7 | | | | | | | | | | |
| 45010.0 | 49450.0 | 0.423 | 195.6 | -10.4 | -1.06 | 1.392 | 80.4 | 0.914 | 11.123 | 20.1 | 172.8 | 0.958D | 21.289A | 1.54 | 0.109 | 140.9 | 166.4 | -61.9 | 0.171 |
| | | 8.94 | 4.73 | 13.67 | ONE | 19.767 | 190.5 | 52.7 | 63.8 | | | | | | | | | | |
| 45020.0 | 49450.0 | 0.475 | 193.0 | -8.0 | -0.80 | 1.390 | 75.5 | 0.917 | 11.094 | 30.4 | 173.0 | 0.923D | 21.264A | 1.24 | 0.108 | 141.2 | 166.3 | -61.5 | 0.172 |
| | | 10.13 | 4.74 | 14.88 | ONE | 19.767 | 190.5 | 52.7 | 64.1 | | | | | | | | | | |
| 45030.0 | 49450.0 | 0.540 | 192.3 | -7.0 | -0.66 | 1.388 | 70.5 | 0.921 | 11.051 | 40.8 | 173.2 | 0.876D | 21.227A | 1.05 | 0.107 | 141.7 | 166.3 | -61.1 | 0.174 |
| | | 11.71 | 4.76 | 16.47 | ONE | 19.767 | 190.5 | 52.7 | 64.6 | | | | | | | | | | |
| 45040.0 | 49450.0 | 0.615 | 193.2 | -6.9 | -0.58 | 1.386 | 65.5 | 0.926 | 10.999 | 51.1 | 173.6 | 0.816D | 21.182A | 0.91 | 0.104 | 142.3 | 166.5 | -60.5 | 0.175 |
| | | 13.58 | 4.77 | 18.35 | ONE | 19.767 | 190.5 | 52.7 | 65.1 | | | | | | | | | | |
| ARRIVAL DATE = 2449550.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49550.0 | 0.618 | 222.6 | -14.9 | 0.70 | 1.391 | 114.3 | 0.925 | 10.833 | 309.3 | 534.3 | 0.812 | 20.854A | 0.09 | 0.097 | 139.1 | 166.8 | -58.8 | 0.172 |
| | | 13.66 | 4.73 | 18.39 | TWO | 18.640 | 190.1 | 51.6 | 67.9 | | | | | | | | | | |
| 44950.0 | 49550.0 | 0.547 | 224.4 | -14.7 | 0.87 | 1.393 | 109.5 | 0.920 | 10.892 | 319.1 | 534.0 | 0.870 | 20.915A | -0.12 | 0.100 | 138.8 | 166.3 | -59.5 | 0.170 |
| | | 11.88 | 4.72 | 16.60 | TWO | 18.640 | 190.1 | 51.6 | 67.2 | | | | | | | | | | |
| 44960.0 | 49550.0 | 0.484 | 224.6 | -13.5 | 1.19 | 1.393 | 104.8 | 0.916 | 10.942 | 329.0 | 533.7 | 0.917 | 20.967A | -0.49 | 0.102 | 138.5 | 165.7 | -60.1 | 0.169 |
| | | 10.35 | 4.71 | 15.05 | TWO | 18.640 | 190.1 | 51.6 | 66.6 | | | | | | | | | | |
| 44970.0 | 49550.0 | 0.432 | 223.2 | -9.9 | 1.99 | 1.394 | 100.0 | 0.913 | 10.980 | 339.0 | 533.4 | 0.952 | 21.008A | -1.34 | 0.103 | 138.3 | 164.7 | -60.4 | 0.168 |
| | | 9.15 | 4.70 | 13.85 | TWO | 18.640 | 190.1 | 51.6 | 66.1 | | | | | | | | | | |
| 44980.0 | 49550.0 | 0.417 | 224.0 | 7.1 | 6.68 | 1.394 | 95.2 | 0.911 | 11.006 | 349.0 | 533.3 | 0.975 | 21.036A | -6.07 | 0.104 | 138.3 | 160.8 | -60.1 | 0.168 |
| | | 8.81 | 4.70 | 13.51 | TWO | 18.640 | 190.1 | 51.6 | 65.9 | | | | | | | | | | |
| 44990.0 | 49550.0 | 0.391 | 203.1 | -28.4 | -4.81 | 1.393 | 90.4 | 0.911 | 11.018 | 359.2 | 533.2 | 0.984 | 21.052A | 5.37 | 0.105 | 138.3 | 170.0 | -61.6 | 0.168 |
| | | 8.23 | 4.70 | 12.93 | ONE | 18.640 | 190.1 | 51.6 | 65.7 | | | | | | | | | | |
| 45000.0 | 49550.0 | 0.389 | 200.6 | -15.6 | -1.80 | 1.393 | 85.5 | 0.911 | 11.017 | 9.4 | 173.2 | 0.979D | 21.054A | 2.32 | 0.105 | 138.4 | 167.4 | -61.3 | 0.168 |
| | | 8.19 | 4.69 | 12.88 | ONE | 18.640 | 190.1 | 51.6 | 65.6 | | | | | | | | | | |
| 45010.0 | 49550.0 | 0.420 | 196.3 | -10.9 | -1.13 | 1.391 | 80.7 | 0.913 | 11.002 | 19.6 | 173.3 | 0.959D | 21.044A | 1.60 | 0.104 | 138.6 | 166.9 | -61.1 | 0.169 |
| | | 8.88 | 4.70 | 13.58 | ONE | 18.640 | 190.1 | 51.6 | 65.8 | | | | | | | | | | |
| 45020.0 | 49550.0 | 0.471 | 193.6 | -8.4 | -0.84 | 1.390 | 75.7 | 0.916 | 10.974 | 29.9 | 173.5 | 0.926D | 21.022A | 1.27 | 0.103 | 138.9 | 166.8 | -60.8 | 0.169 |
| | | 10.05 | 4.71 | 14.76 | ONE | 18.640 | 190.1 | 51.6 | 66.1 | | | | | | | | | | |
| 45030.0 | 49550.0 | 0.536 | 192.8 | -7.3 | -0.69 | 1.388 | 70.8 | 0.920 | 10.935 | 40.2 | 173.8 | 0.879D | 20.991A | 1.07 | 0.101 | 139.4 | 166.8 | -60.3 | 0.171 |
| | | 11.60 | 4.72 | 16.32 | ONE | 18.640 | 190.1 | 51.6 | 66.5 | | | | | | | | | | |
| 45040.0 | 49550.0 | 0.610 | 193.7 | -7.2 | -0.60 | 1.386 | 65.8 | 0.925 | 10.885 | 50.5 | 174.1 | 0.820D | 20.951A | 0.92 | 0.099 | 140.0 | 167.0 | -59.8 | 0.172 |
| | | 13.45 | 4.74 | 18.19 | ONE | 18.640 | 190.1 | 51.6 | 67.1 | | | | | | | | | | |
| ARRIVAL DATE = 2449650.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49650.0 | 0.622 | 223.1 | -15.0 | 0.71 | 1.391 | 114.6 | 0.925 | 10.736 | 308.7 | 534.8 | 0.809 | 20.663A | 0.09 | 0.092 | 136.6 | 167.2 | -58.0 | 0.169 |
| | | 13.77 | 4.71 | 18.48 | TWO | 19.789 | 189.7 | 50.5 | 69.9 | | | | | | | | | | |
| 44950.0 | 49650.0 | 0.551 | 224.9 | -14.9 | 0.87 | 1.392 | 109.8 | 0.920 | 10.792 | 318.5 | 534.5 | 0.866 | 20.717A | -0.12 | 0.095 | 136.3 | 166.7 | -58.7 | 0.168 |
| | | 11.98 | 4.69 | 16.67 | TWO | 19.789 | 189.7 | 50.5 | 69.1 | | | | | | | | | | |
| 44960.0 | 49650.0 | 0.487 | 225.2 | -13.7 | 1.17 | 1.393 | 105.1 | 0.916 | 10.839 | 328.4 | 534.2 | 0.914 | 20.763A | -0.47 | 0.097 | 136.1 | 166.1 | -59.3 | 0.167 |
| | | 10.42 | 4.68 | 15.10 | TWO | 19.789 | 189.7 | 50.5 | 68.5 | | | | | | | | | | |
| 44970.0 | 49650.0 | 0.434 | 223.8 | -10.5 | 1.90 | 1.394 | 100.3 | 0.913 | 10.875 | 338.4 | 534.0 | 0.950 | 20.800A | -1.25 | 0.099 | 135.9 | 165.3 | -59.6 | 0.166 |
| | | 9.20 | 4.67 | 13.87 | TWO | 19.789 | 189.7 | 50.5 | 68.1 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44980.0 | 49650.0 | 0.410 | 223.5 | 2.9 | 5.42 | 1.394 | 95.5 | 0.911 | 10.900 | 348.5 | 533.9 | 0.974 | 20.825A | -4.82 | 0.100 | 135.9 | 162.3 | -59.5 | 0.166 |
| | | 8.66 | 4.67 | 13.33 | TWO | 19.789 | 189.7 | 50.5 | 67.8 | | | | | | | | | | |
| 44990.0 | 49650.0 | 0.398 | 202.3 | -32.7 | -6.05 | 1.393 | 90.7 | 0.910 | 10.912 | 358.6 | 533.8 | 0.984 | 20.840A | 6.61 | 0.100 | 135.9 | 171.5 | -60.8 | 0.166 |
| | | 8.39 | 4.67 | 13.06 | ONE | 19.789 | 189.7 | 50.5 | 67.7 | | | | | | | | | | |
| 45000.0 | 49650.0 | 0.387 | 201.3 | -16.6 | -1.97 | 1.392 | 85.8 | 0.910 | 10.911 | 8.8 | 173.8 | 0.980D | 20.842A | 2.48 | 0.100 | 136.0 | 168.0 | -60.5 | 0.165 |
| | | 8.16 | 4.67 | 12.83 | ONE | 19.789 | 189.7 | 50.5 | 67.6 | | | | | | | | | | |
| 45010.0 | 49650.0 | 0.417 | 197.0 | -11.5 | -1.20 | 1.391 | 80.9 | 0.912 | 10.898 | 19.0 | 173.9 | 0.961D | 20.834A | 1.67 | 0.100 | 136.2 | 167.4 | -60.3 | 0.166 |
| | | 8.82 | 4.67 | 13.49 | ONE | 19.789 | 189.7 | 50.5 | 67.7 | | | | | | | | | | |
| 45020.0 | 49650.0 | 0.467 | 194.2 | -8.8 | -0.88 | 1.390 | 76.0 | 0.915 | 10.872 | 29.3 | 174.0 | 0.928D | 20.815A | 1.30 | 0.098 | 136.5 | 167.2 | -60.0 | 0.167 |
| | | 9.96 | 4.68 | 14.64 | ONE | 19.789 | 189.7 | 50.5 | 68.0 | | | | | | | | | | |
| 45030.0 | 49650.0 | 0.531 | 193.3 | -7.6 | -0.72 | 1.388 | 71.1 | 0.919 | 10.835 | 39.5 | 174.3 | 0.882D | 20.788A | 1.09 | 0.097 | 136.9 | 167.2 | -59.6 | 0.168 |
| | | 11.49 | 4.70 | 16.18 | ONE | 19.789 | 189.7 | 50.5 | 68.4 | | | | | | | | | | |
| 45040.0 | 49650.0 | 0.604 | 194.1 | -7.5 | -0.62 | 1.386 | 66.1 | 0.924 | 10.789 | 49.8 | 174.5 | 0.824D | 20.753A | 0.93 | 0.095 | 137.5 | 167.4 | -59.0 | 0.170 |
| | | 13.31 | 4.71 | 18.03 | ONE | 19.789 | 189.7 | 50.5 | 68.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449850.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 49850.0 | 0.632 | 224.1 | -15.3 | 0.71 | 1.391 | 115.2 | 0.924 | 10.581 | 307.4 | 535.8 | 0.800 | 20.362A | 0.09 | 0.084 | 131.2 | 168.0 | -56.5 | 0.166 |
| | | 14.01 | 4.67 | 18.68 | TWO | 19.320 | 189.0 | 48.4 | 73.7 | | | | | | | | | | |
| 44950.0 | 49850.0 | 0.559 | 226.1 | -15.3 | 0.86 | 1.392 | 110.4 | 0.919 | 10.632 | 317.3 | 535.5 | 0.860 | 20.404A | -0.11 | 0.086 | 131.0 | 167.5 | -57.2 | 0.164 |
| | | 12.18 | 4.65 | 16.84 | TWO | 19.320 | 189.0 | 48.4 | 73.0 | | | | | | | | | | |
| 44960.0 | 49850.0 | 0.494 | 226.6 | -14.3 | 1.13 | 1.393 | 105.6 | 0.915 | 10.675 | 327.2 | 535.2 | 0.909 | 20.440A | -0.44 | 0.089 | 130.8 | 167.0 | -57.7 | 0.163 |
| | | 10.59 | 4.64 | 15.23 | TWO | 19.320 | 189.0 | 48.4 | 72.4 | | | | | | | | | | |
| 44970.0 | 49850.0 | 0.439 | 225.3 | -11.5 | 1.74 | 1.393 | 100.9 | 0.912 | 10.708 | 337.2 | 535.0 | 0.947 | 20.469A | -1.09 | 0.090 | 130.8 | 166.2 | -58.1 | 0.162 |
| | | 9.32 | 4.63 | 13.94 | TWO | 19.320 | 189.0 | 48.4 | 71.9 | | | | | | | | | | |
| 44980.0 | 49850.0 | 0.406 | 223.7 | -2.2 | 4.01 | 1.393 | 96.1 | 0.909 | 10.731 | 347.3 | 534.9 | 0.972 | 20.490A | -3.42 | 0.091 | 130.7 | 164.3 | -58.1 | 0.161 |
| | | 8.57 | 4.62 | 13.20 | TWO | 19.320 | 189.0 | 48.4 | 71.6 | | | | | | | | | | |
| 44990.0 | 49850.0 | 0.448 | 194.7 | -48.9 | -11.60 | 1.393 | 91.2 | 0.908 | 10.743 | 357.5 | 534.8 | 0.984 | 20.502A | 12.15 | 0.092 | 130.8 | 176.8 | -59.5 | 0.163 |
| | | 9.51 | 4.64 | 14.15 | ONE | 19.320 | 189.0 | 48.4 | 71.6 | | | | | | | | | | |
| 45000.0 | 49850.0 | 0.386 | 202.6 | -18.8 | -2.41 | 1.392 | 86.4 | 0.909 | 10.743 | 7.6 | 174.8 | 0.981D | 20.505A | 2.91 | 0.092 | 130.9 | 169.2 | -59.0 | 0.161 |
| | | 8.13 | 4.62 | 12.75 | ONE | 19.320 | 189.0 | 48.4 | 71.4 | | | | | | | | | | |
| 45010.0 | 49850.0 | 0.412 | 198.5 | -12.8 | -1.37 | 1.391 | 81.5 | 0.910 | 10.732 | 17.8 | 174.9 | 0.964D | 20.500A | 1.82 | 0.091 | 131.0 | 168.3 | -58.8 | 0.162 |
| | | 8.70 | 4.63 | 13.33 | ONE | 19.320 | 189.0 | 48.4 | 71.5 | | | | | | | | | | |
| 45020.0 | 49850.0 | 0.460 | 195.5 | -9.7 | -0.98 | 1.389 | 76.6 | 0.913 | 10.710 | 28.0 | 175.0 | 0.933D | 20.486A | 1.38 | 0.090 | 131.3 | 168.1 | -58.5 | 0.162 |
| | | 9.78 | 4.63 | 14.42 | ONE | 19.320 | 189.0 | 48.4 | 71.7 | | | | | | | | | | |
| 45030.0 | 49850.0 | 0.522 | 194.5 | -8.3 | -0.78 | 1.387 | 71.7 | 0.917 | 10.677 | 38.3 | 175.2 | 0.889D | 20.465A | 1.13 | 0.089 | 131.6 | 168.0 | -58.1 | 0.164 |
| | | 11.26 | 4.65 | 15.91 | ONE | 19.320 | 189.0 | 48.4 | 72.1 | | | | | | | | | | |
| 45040.0 | 49850.0 | 0.594 | 195.1 | -8.0 | -0.66 | 1.385 | 66.8 | 0.922 | 10.636 | 48.5 | 175.4 | 0.833D | 20.439A | 0.96 | 0.087 | 132.1 | 168.1 | -57.6 | 0.165 |
| | | 13.04 | 4.67 | 17.71 | ONE | 19.320 | 189.0 | 48.4 | 72.6 | | | | | | | | | | |
| ARRIVAL DATE = 2450050.0 | | | | | | | | | | | | | | | | | | | |
| 44940.0 | 50050.0 | 0.642 | 225.2 | -15.6 | 0.72 | 1.390 | 115.8 | 0.924 | 10.470 | 306.1 | 536.6 | 0.791 | 20.148A | 0.08 | 0.076 | 125.1 | 168.6 | -55.1 | 0.163 |
| | | 14.27 | 4.64 | 18.91 | TWO | 20.324 | 188.3 | 46.2 | 77.4 | | | | | | | | | | |
| 44950.0 | 50050.0 | 0.569 | 227.3 | -15.7 | 0.85 | 1.391 | 111.0 | 0.919 | 10.516 | 316.0 | 536.4 | 0.852 | 20.180A | -0.11 | 0.079 | 125.1 | 168.2 | -55.7 | 0.161 |
| | | 12.41 | 4.62 | 17.03 | TWO | 20.324 | 188.3 | 46.2 | 76.7 | | | | | | | | | | |
| 44960.0 | 50050.0 | 0.502 | 227.9 | -14.8 | 1.10 | 1.392 | 106.2 | 0.914 | 10.556 | 325.9 | 536.1 | 0.903 | 20.208A | -0.41 | 0.081 | 125.1 | 167.7 | -56.3 | 0.160 |
| | | 10.78 | 4.61 | 15.38 | TWO | 20.324 | 188.3 | 46.2 | 76.1 | | | | | | | | | | |
| 44970.0 | 50050.0 | 0.445 | 226.8 | -12.4 | 1.62 | 1.393 | 101.5 | 0.911 | 10.587 | 336.0 | 536.0 | 0.943 | 20.231A | -0.98 | 0.083 | 125.1 | 167.1 | -56.7 | 0.159 |
| | | 9.45 | 4.60 | 14.05 | TWO | 20.324 | 188.3 | 46.2 | 75.6 | | | | | | | | | | |
| 44980.0 | 50050.0 | 0.407 | 224.7 | -5.4 | 3.24 | 1.393 | 96.7 | 0.909 | 10.609 | 346.0 | 535.8 | 0.970 | 20.248A | -2.65 | 0.084 | 125.1 | 165.6 | -56.8 | 0.158 |
| | | 8.59 | 4.59 | 13.18 | TWO | 20.324 | 188.3 | 46.2 | 75.3 | | | | | | | | | | |
| 45000.0 | 50050.0 | 0.385 | 203.9 | -21.7 | -3.02 | 1.391 | 87.0 | 0.908 | 10.621 | 6.3 | 175.8 | 0.982D | 20.261A | 3.51 | 0.085 | 125.2 | 170.3 | -57.7 | 0.158 |
| | | 8.12 | 4.59 | 12.71 | ONE | 20.324 | 188.3 | 46.2 | 75.1 | | | | | | | | | | |
| 45010.0 | 50050.0 | 0.407 | 200.0 | -14.2 | -1.57 | 1.390 | 82.2 | 0.909 | 10.612 | 16.5 | 175.8 | 0.967D | 20.257A | 2.00 | 0.084 | 125.4 | 169.1 | -57.4 | 0.158 |
| | | 8.59 | 4.59 | 13.18 | ONE | 20.324 | 188.3 | 46.2 | 75.1 | | | | | | | | | | |
| 45020.0 | 50050.0 | 0.452 | 196.9 | -10.7 | -1.08 | 1.389 | 77.3 | 0.911 | 10.593 | 26.7 | 175.9 | 0.938D | 20.247A | 1.47 | 0.083 | 125.6 | 168.8 | -57.2 | 0.159 |
| | | 9.61 | 4.60 | 14.21 | ONE | 20.324 | 188.3 | 46.2 | 75.4 | | | | | | | | | | |
| 45030.0 | 50050.0 | 0.512 | 195.7 | -9.1 | -0.85 | 1.387 | 72.4 | 0.915 | 10.564 | 36.9 | 176.1 | 0.896D | 20.232A | 1.18 | 0.082 | 125.8 | 168.7 | -56.8 | 0.160 |
| | | 11.03 | 4.61 | 15.64 | ONE | 20.324 | 188.3 | 46.2 | 75.7 | | | | | | | | | | |
| 45040.0 | 50050.0 | 0.583 | 196.2 | -8.6 | -0.71 | 1.385 | 67.5 | 0.920 | 10.527 | 47.1 | 176.3 | 0.841D | 20.213A | 0.99 | 0.080 | 126.2 | 168.7 | -56.4 | 0.162 |
| | | 12.77 | 4.63 | 17.40 | ONE | 20.324 | 188.3 | 46.2 | 76.2 | | | | | | | | | | |
| ARRIVAL DATE = 2450250.0 | | | | | | | | | | | | | | | | | | | |
| 44950.0 | 50250.0 | 0.578 | 228.5 | -16.0 | 0.85 | 1.391 | 111.7 | 0.919 | 10.435 | 314.6 | 537.2 | 0.844 | 20.026A | -0.10 | 0.073 | 118.6 | 168.7 | -54.5 | 0.159 |
| | | 12.66 | 4.60 | 17.26 | TWO | 18.963 | 187.7 | 44.0 | 80.2 | | | | | | | | | | |
| 44960.0 | 50250.0 | 0.510 | 229.4 | -15.3 | 1.07 | 1.392 | 106.9 | 0.914 | 10.472 | 324.6 | 537.0 | 0.897 | 20.047A | -0.38 | 0.076 | 118.8 | 168.3 | -55.0 | 0.158 |
| | | 10.98 | 4.59 | 15.57 | TWO | 18.963 | 187.7 | 44.0 | 79.6 | | | | | | | | | | |

1982
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44970.0 | 50250.0 | 0.452 | 228.6 | -13.2 | 1.52 | 1.392 | 102.1 | 0.911 | 10.501 | 334.6 | 536.8 | 0.938 | 20.064A | -0.88 | 0.077 | 118.9 | 167.7 | -55.4 | 0.156 |
| | | 9.66 | 4.57 | 14.18 | TWO | 18.963 | 187.7 | 44.0 | 79.2 | | | | | | | | | | |
| 44980.0 | 50250.0 | 0.410 | 226.1 | -7.7 | 2.75 | 1.392 | 97.3 | 0.908 | 10.522 | 344.7 | 536.7 | 0.967 | 20.077A | -2.17 | 0.079 | 119.0 | 166.6 | -55.5 | 0.156 |
| | | 8.65 | 4.57 | 13.22 | TWO | 18.963 | 187.7 | 44.0 | 78.9 | | | | | | | | | | |
| 44990.0 | 50250.0 | 0.522 | 236.5 | 34.4 | 17.29 | 1.392 | 92.5 | 0.907 | 10.533 | 354.7 | 536.7 | 0.982 | 20.085A | -16.77 | 0.079 | 119.1 | 156.5 | -53.4 | 0.159 |
| | | 11.26 | 4.60 | 15.86 | TWO | 18.963 | 187.7 | 44.0 | 79.0 | | | | | | | | | | |
| 45000.0 | 50250.0 | 0.387 | 204.7 | -25.7 | -3.95 | 1.391 | 87.6 | 0.907 | 10.536 | 5.0 | 176.6 | 0.983D | 20.088A | 4.43 | 0.079 | 119.2 | 171.6 | -56.4 | 0.155 |
| | | 8.16 | 4.56 | 12.72 | ONE | 18.963 | 187.7 | 44.0 | 78.6 | | | | | | | | | | |
| 45010.0 | 50250.0 | 0.403 | 201.7 | -15.8 | -1.81 | 1.390 | 82.8 | 0.908 | 10.528 | 15.2 | 176.7 | 0.970D | 20.086A | 2.23 | 0.079 | 119.3 | 169.9 | -56.2 | 0.156 |
| | | 8.49 | 4.56 | 13.06 | ONE | 18.963 | 187.7 | 44.0 | 78.7 | | | | | | | | | | |
| 45020.0 | 50250.0 | 0.445 | 198.5 | -11.8 | -1.20 | 1.388 | 77.9 | 0.910 | 10.511 | 25.3 | 176.8 | 0.943D | 20.079A | 1.57 | 0.078 | 119.4 | 169.4 | -55.9 | 0.156 |
| | | 9.44 | 4.57 | 14.01 | ONE | 18.963 | 187.7 | 44.0 | 78.9 | | | | | | | | | | |
| 45030.0 | 50250.0 | 0.503 | 197.0 | -9.9 | -0.92 | 1.387 | 73.1 | 0.914 | 10.485 | 35.5 | 176.9 | 0.903D | 20.068A | 1.24 | 0.076 | 119.6 | 169.3 | -55.6 | 0.158 |
| | | 10.81 | 4.59 | 15.39 | ONE | 18.963 | 187.7 | 44.0 | 79.2 | | | | | | | | | | |
| 45040.0 | 50250.0 | 0.572 | 197.3 | -9.2 | -0.76 | 1.385 | 68.2 | 0.919 | 10.452 | 45.7 | 177.1 | 0.850D | 20.054A | 1.02 | 0.074 | 119.8 | 169.3 | -55.2 | 0.159 |
| | | 12.50 | 4.60 | 17.10 | ONE | 18.963 | 187.7 | 44.0 | 79.6 | | | | | | | | | | |
| 45050.0 | 50250.0 | 0.648 | 199.1 | -9.4 | -0.67 | 1.383 | 63.3 | 0.924 | 10.412 | 55.8 | 177.3 | 0.786D | 20.037A | 0.87 | 0.072 | 120.1 | 169.3 | -54.7 | 0.162 |
| | | 14.44 | 4.63 | 19.07 | ONE | 18.963 | 187.7 | 44.0 | 80.0 | | | | | | | | | | |

ARRIVAL DATE = 2450450.0

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44950.0 | 50450.0 | 0.589 | 229.8 | -16.4 | 0.84 | 1.391 | 112.4 | 0.919 | 10.381 | 313.2 | 538.0 | 0.836 | 19.926A | -0.10 | 0.069 | 111.7 | 169.2 | -53.3 | 0.158 |
| | | 12.92 | 4.59 | 17.51 | TWO | 20.693 | 187.1 | 41.9 | 83.6 | | | | | | | | | | |
| 44960.0 | 50450.0 | 0.520 | 230.8 | -15.8 | 1.04 | 1.392 | 107.6 | 0.915 | 10.415 | 323.2 | 537.8 | 0.890 | 19.941A | -0.36 | 0.071 | 112.1 | 168.8 | -53.8 | 0.156 |
| | | 11.20 | 4.57 | 15.78 | TWO | 20.693 | 187.1 | 41.9 | 83.0 | | | | | | | | | | |
| 44970.0 | 50450.0 | 0.459 | 230.1 | -14.0 | 1.43 | 1.392 | 102.7 | 0.911 | 10.443 | 333.2 | 537.7 | 0.933 | 19.953A | -0.81 | 0.073 | 112.4 | 168.3 | -54.2 | 0.155 |
| | | 9.78 | 4.56 | 14.33 | TWO | 20.693 | 187.1 | 41.9 | 82.6 | | | | | | | | | | |
| 44980.0 | 50450.0 | 0.414 | 227.8 | -9.4 | 2.41 | 1.392 | 97.9 | 0.908 | 10.463 | 343.3 | 537.6 | 0.964 | 19.963A | -1.84 | 0.074 | 112.6 | 167.4 | -54.4 | 0.154 |
| | | 8.74 | 4.55 | 13.29 | TWO | 20.693 | 187.1 | 41.9 | 82.3 | | | | | | | | | | |
| 44990.0 | 50450.0 | 0.420 | 228.7 | 11.8 | 8.34 | 1.392 | 93.1 | 0.906 | 10.475 | 353.4 | 537.5 | 0.981 | 19.969A | -7.82 | 0.075 | 112.7 | 162.9 | -53.8 | 0.154 |
| | | 8.87 | 4.55 | 13.42 | TWO | 20.693 | 187.1 | 41.9 | 82.1 | | | | | | | | | | |
| 45000.0 | 50450.0 | 0.394 | 204.7 | -31.7 | -5.54 | 1.391 | 88.3 | 0.906 | 10.478 | 3.6 | 177.5 | 0.984D | 19.972A | 6.01 | 0.075 | 112.8 | 173.3 | -55.4 | 0.154 |
| | | 8.31 | 4.55 | 12.85 | ONE | 20.693 | 187.1 | 41.9 | 82.0 | | | | | | | | | | |
| 45010.0 | 50450.0 | 0.399 | 203.4 | -17.7 | -2.12 | 1.390 | 83.5 | 0.907 | 10.472 | 13.8 | 177.5 | 0.973D | 19.971A | 2.53 | 0.075 | 112.9 | 170.6 | -55.1 | 0.154 |
| | | 8.40 | 4.55 | 12.95 | ONE | 20.693 | 187.1 | 41.9 | 82.0 | | | | | | | | | | |
| 45020.0 | 50450.0 | 0.438 | 200.1 | -12.9 | -1.33 | 1.388 | 78.6 | 0.909 | 10.457 | 23.9 | 177.6 | 0.948D | 19.966A | 1.69 | 0.074 | 112.9 | 170.0 | -54.8 | 0.155 |
| | | 9.27 | 4.55 | 13.83 | ONE | 20.693 | 187.1 | 41.9 | 82.2 | | | | | | | | | | |
| 45030.0 | 50450.0 | 0.494 | 198.4 | -10.7 | -1.00 | 1.387 | 73.8 | 0.913 | 10.434 | 34.1 | 177.7 | 0.910D | 19.959A | 1.30 | 0.072 | 113.0 | 169.8 | -54.6 | 0.156 |
| | | 10.58 | 4.57 | 15.15 | ONE | 20.693 | 187.1 | 41.9 | 82.5 | | | | | | | | | | |
| 45040.0 | 50450.0 | 0.561 | 198.5 | -9.9 | -0.82 | 1.385 | 68.9 | 0.917 | 10.404 | 44.2 | 177.8 | 0.859D | 19.949A | 1.06 | 0.070 | 113.0 | 169.7 | -54.2 | 0.158 |
| | | 12.23 | 4.58 | 16.81 | ONE | 20.693 | 187.1 | 41.9 | 82.8 | | | | | | | | | | |
| 45050.0 | 50450.0 | 0.636 | 200.1 | -10.0 | -0.71 | 1.382 | 64.0 | 0.923 | 10.367 | 54.3 | 178.0 | 0.797D | 19.938A | 0.89 | 0.068 | 113.1 | 169.7 | -53.8 | 0.160 |
| | | 14.13 | 4.61 | 18.74 | ONE | 20.693 | 187.1 | 41.9 | 83.2 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DVI | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2446520.0 | | | | | | | | | | | |
| 45370.0 | 46520.0 | 0.635 | 228.5 | -18.2 | -0.09 | 1.647 | 92.1 | 1.672 | -1.465 | 356.7 | 481.0 | 0.985 | NA | 0.82 | 0.887 | 174.5 | 129.6 | -79.9 | 0.884 |
| | | 14.10 | 20.23 | 34.32 | ONE | 18.808 | 249.4 | 81.6 | 9.4 | | | | | | | | | | |
| 45380.0 | 46520.0 | 0.640 | 222.6 | -16.6 | -0.08 | 1.647 | 85.8 | 1.677 | -1.452 | 6.7 | 120.9 | 0.983D | NA | 0.80 | 0.891 | 174.5 | 129.5 | -79.9 | 0.888 |
| | | 14.22 | 20.32 | 34.54 | ONE | 18.808 | 249.4 | 81.6 | 9.3 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446620.0 | | | | | | | | | | | |
| 45350.0 | 46620.0 | 0.646 | 233.9 | -19.7 | -0.16 | 1.601 | 102.2 | 1.503 | -1.884 | 339.8 | 485.7 | 0.947 | NA | 0.90 | 0.797 | 174.2 | 130.5 | -79.8 | 0.796 |
| | | 14.38 | 17.89 | 32.27 | ONE | 18.231 | 242.2 | 81.1 | 10.7 | | | | | | | | | | |
| 45360.0 | 46620.0 | 0.607 | 230.3 | -18.8 | -0.13 | 1.603 | 96.5 | 1.523 | -1.861 | 349.2 | 484.9 | 0.974 | NA | 0.86 | 0.801 | 174.1 | 129.8 | -79.9 | 0.800 |
| | | 13.38 | 17.99 | 31.36 | ONE | 18.231 | 242.2 | 81.1 | 10.6 | | | | | | | | | | |
| 45370.0 | 46620.0 | 0.590 | 224.9 | -17.3 | -0.11 | 1.604 | 90.6 | 1.535 | -1.842 | 359.0 | 484.5 | 0.986 | NA | 0.83 | 0.805 | 174.1 | 129.3 | -80.0 | 0.803 |
| | | 12.95 | 18.07 | 31.02 | ONE | 18.231 | 242.2 | 81.1 | 10.5 | | | | | | | | | | |
| 45380.0 | 46620.0 | 0.601 | 218.7 | -15.5 | -0.10 | 1.604 | 84.5 | 1.536 | -1.828 | 9.1 | 124.5 | 0.980D | NA | 0.81 | 0.807 | 174.1 | 129.2 | -80.0 | 0.806 |
| | | 13.23 | 18.14 | 31.37 | ONE | 18.231 | 242.2 | 81.1 | 10.5 | | | | | | | | | | |
| 45390.0 | 46620.0 | 0.642 | 213.1 | -13.6 | -0.09 | 1.603 | 78.1 | 1.526 | -1.817 | 19.6 | 125.0 | 0.955D | NA | 0.79 | 0.809 | 174.2 | 129.5 | -79.9 | 0.808 |
| | | 14.28 | 18.20 | 32.49 | ONE | 18.231 | 242.2 | 81.1 | 10.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446720.0 | | | | | | | | | | | |
| 45350.0 | 46720.0 | 0.601 | 231.3 | -19.2 | -0.19 | 1.568 | 106.7 | 1.406 | -2.352 | 341.7 | 488.8 | 0.955 | NA | 0.93 | 0.728 | 173.8 | 130.2 | -79.9 | 0.728 |
| | | 13.24 | 16.13 | 29.36 | ONE | 19.694 | 235.9 | 80.5 | 11.8 | | | | | | | | | | |
| 45360.0 | 46720.0 | 0.567 | 227.2 | -18.1 | -0.15 | 1.569 | 95.2 | 1.421 | -2.325 | 351.2 | 488.1 | 0.978 | NA | 0.88 | 0.731 | 173.7 | 129.5 | -79.9 | 0.731 |
| | | 12.36 | 16.20 | 28.57 | ONE | 19.694 | 235.9 | 80.5 | 11.7 | | | | | | | | | | |
| 45370.0 | 46720.0 | 0.555 | 221.4 | -16.4 | -0.13 | 1.569 | 89.4 | 1.428 | -2.303 | 1.1 | 127.8 | 0.986D | NA | 0.84 | 0.734 | 173.7 | 129.2 | -80.0 | 0.734 |
| | | 12.08 | 16.27 | 28.35 | ONE | 19.694 | 235.9 | 80.5 | 11.6 | | | | | | | | | | |
| 45380.0 | 46720.0 | 0.572 | 215.2 | -14.4 | -0.12 | 1.569 | 83.4 | 1.427 | -2.288 | 11.3 | 127.9 | 0.976D | NA | 0.82 | 0.736 | 173.7 | 129.2 | -80.0 | 0.736 |
| | | 12.50 | 16.32 | 28.82 | ONE | 19.694 | 235.9 | 80.5 | 11.6 | | | | | | | | | | |
| 45390.0 | 46720.0 | 0.618 | 209.8 | -12.4 | -0.11 | 1.568 | 77.1 | 1.416 | -2.277 | 21.9 | 128.4 | 0.948D | NA | 0.80 | 0.737 | 173.9 | 129.5 | -79.9 | 0.738 |
| | | 13.66 | 16.37 | 30.04 | ONE | 19.694 | 235.9 | 80.5 | 11.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446820.0 | | | | | | | | | | | |
| 45340.0 | 46820.0 | 0.613 | 231.3 | -19.5 | -0.32 | 1.540 | 104.7 | 1.312 | -2.972 | 334.2 | 492.6 | 0.928 | NA | 1.07 | 0.664 | 173.4 | 131.0 | -79.8 | 0.666 |
| | | 13.54 | 14.56 | 28.10 | ONE | 19.936 | 230.4 | 79.8 | 13.2 | | | | | | | | | | |
| 45350.0 | 46820.0 | 0.565 | 228.8 | -18.7 | -0.23 | 1.541 | 99.4 | 1.328 | -2.930 | 343.5 | 491.7 | 0.960 | NA | 0.96 | 0.668 | 173.3 | 130.1 | -79.9 | 0.669 |
| | | 12.32 | 14.64 | 26.96 | ONE | 19.936 | 230.4 | 79.8 | 13.0 | | | | | | | | | | |
| 45360.0 | 46820.0 | 0.534 | 224.2 | -17.4 | -0.18 | 1.542 | 94.0 | 1.338 | -2.897 | 353.1 | 491.1 | 0.980 | NA | 0.90 | 0.670 | 173.2 | 129.4 | -80.0 | 0.672 |
| | | 11.57 | 14.70 | 26.27 | ONE | 19.936 | 230.4 | 79.8 | 12.8 | | | | | | | | | | |
| 45370.0 | 46820.0 | 0.528 | 218.1 | -15.5 | -0.15 | 1.542 | 88.3 | 1.343 | -2.872 | 3.0 | 130.9 | 0.985D | NA | 0.86 | 0.673 | 173.2 | 129.1 | -80.0 | 0.674 |
| | | 11.41 | 14.75 | 26.16 | ONE | 19.936 | 230.4 | 79.8 | 12.8 | | | | | | | | | | |
| 45380.0 | 46820.0 | 0.550 | 211.9 | -13.3 | -0.14 | 1.541 | 82.4 | 1.341 | -2.856 | 13.3 | 131.1 | 0.972D | NA | 0.83 | 0.674 | 173.3 | 129.2 | -80.0 | 0.675 |
| | | 11.96 | 14.79 | 26.75 | ONE | 19.936 | 230.4 | 79.8 | 12.8 | | | | | | | | | | |
| 45390.0 | 46820.0 | 0.600 | 206.9 | -11.4 | -0.13 | 1.540 | 76.2 | 1.331 | -2.845 | 24.0 | 131.7 | 0.941D | NA | 0.80 | 0.675 | 173.4 | 129.6 | -79.9 | 0.677 |
| | | 13.21 | 14.83 | 28.04 | ONE | 19.936 | 230.4 | 79.8 | 12.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446920.0 | | | | | | | | | | | |
| 45330.0 | 46920.0 | 0.638 | 229.9 | -20.1 | -0.76 | 1.516 | 108.5 | 1.237 | -3.769 | 326.6 | 496.4 | 0.894 | NA | 1.51 | 0.608 | 173.0 | 132.3 | -79.6 | 0.612 |
| | | 14.17 | 13.23 | 27.40 | ONE | 18.448 | 225.6 | 79.0 | 14.6 | | | | | | | | | | |
| 45340.0 | 46920.0 | 0.581 | 229.4 | -19.2 | -0.39 | 1.518 | 103.5 | 1.252 | -3.703 | 335.7 | 495.3 | 0.935 | NA | 1.12 | 0.612 | 172.9 | 131.0 | -79.8 | 0.615 |
| | | 12.71 | 13.30 | 26.02 | ONE | 18.448 | 225.6 | 79.0 | 14.3 | | | | | | | | | | |
| 45350.0 | 46920.0 | 0.535 | 226.5 | -18.2 | -0.27 | 1.519 | 98.3 | 1.264 | -3.651 | 345.1 | 494.5 | 0.965 | NA | 0.99 | 0.615 | 172.8 | 130.1 | -79.9 | 0.618 |
| | | 11.59 | 13.37 | 24.96 | ONE | 18.448 | 225.6 | 79.0 | 14.1 | | | | | | | | | | |
| 45360.0 | 46920.0 | 0.509 | 221.5 | -16.7 | -0.21 | 1.519 | 92.9 | 1.272 | -3.611 | 354.8 | 494.0 | 0.982 | NA | 0.92 | 0.617 | 172.8 | 129.5 | -80.0 | 0.620 |
| | | 10.94 | 13.42 | 24.36 | ONE | 18.448 | 225.6 | 79.0 | 14.0 | | | | | | | | | | |
| 45370.0 | 46920.0 | 0.507 | 215.2 | -14.6 | -0.17 | 1.519 | 87.3 | 1.275 | -3.583 | 4.8 | 133.9 | 0.984D | NA | 0.87 | 0.619 | 172.8 | 129.3 | -80.0 | 0.622 |
| | | 10.90 | 13.46 | 24.36 | ONE | 18.448 | 225.6 | 79.0 | 14.0 | | | | | | | | | | |
| 45380.0 | 46920.0 | 0.534 | 209.1 | -12.4 | -0.15 | 1.518 | 81.5 | 1.272 | -3.565 | 15.2 | 134.1 | 0.968D | NA | 0.84 | 0.620 | 172.8 | 129.4 | -80.0 | 0.623 |
| | | 11.55 | 13.49 | 25.04 | ONE | 18.448 | 225.6 | 79.0 | 14.0 | | | | | | | | | | |
| 45390.0 | 46920.0 | 0.587 | 204.3 | -10.5 | -0.14 | 1.517 | 75.5 | 1.263 | -3.555 | 26.0 | 134.8 | 0.934D | NA | 0.81 | 0.621 | 173.0 | 129.9 | -79.9 | 0.624 |
| | | 12.88 | 13.52 | 26.40 | ONE | 18.448 | 225.6 | 79.0 | 14.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447020.0 | | | | | | | | | | | |
| 45330.0 | 47020.0 | 0.609 | 228.4 | -20.3 | -0.96 | 1.499 | 107.5 | 1.191 | -4.717 | 327.9 | 498.9 | 0.902 | NA | 1.70 | 0.562 | 172.5 | 132.5 | -79.7 | 0.568 |
| | | 13.44 | 12.16 | 25.60 | ONE | 18.639 | 221.5 | 78.2 | 15.8 | | | | | | | | | | |
| 45340.0 | 47020.0 | 0.553 | 227.6 | -19.0 | -0.46 | 1.500 | 102.5 | 1.203 | -4.633 | 337.1 | 497.9 | 0.941 | NA | 1.19 | 0.566 | 172.4 | 131.2 | -79.8 | 0.571 |
| | | 12.04 | 12.23 | 24.26 | ONE | 18.639 | 221.5 | 78.2 | 15.5 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45350.0 | 47020.0 | 0.511 | 224.3 | -17.8 | -0.31 | 1.501 | 97.4 | 1.212 | -4.566 | 346.6 | 497.1 | 0.969 | NA | 1.03 | 0.568 | 172.3 | 130.3 | -79.9 | 0.573 |
| | | 11.00 | 12.28 | 23.28 | ONE | 18.639 | 221.5 | 78.2 | 15.3 | | | | | | | | | | |
| 45360.0 | 47020.0 | 0.488 | 218.9 | -16.0 | -0.24 | 1.501 | 92.0 | 1.218 | -4.517 | 356.3 | 496.7 | 0.983 | NA | 0.94 | 0.570 | 172.3 | 129.7 | -80.0 | 0.575 |
| | | 10.45 | 12.32 | 22.77 | ONE | 18.639 | 221.5 | 78.2 | 15.2 | | | | | | | | | | |
| 45370.0 | 47020.0 | 0.491 | 212.5 | -13.8 | -0.20 | 1.501 | 86.5 | 1.219 | -4.484 | 6.4 | 136.7 | 0.982D | NA | 0.89 | 0.572 | 172.3 | 129.5 | -80.0 | 0.576 |
| | | 10.51 | 12.35 | 22.87 | ONE | 18.639 | 221.5 | 78.2 | 15.2 | | | | | | | | | | |
| 45380.0 | 47020.0 | 0.521 | 206.5 | -11.5 | -0.17 | 1.500 | 80.7 | 1.216 | -4.465 | 16.9 | 137.0 | 0.964D | NA | 0.85 | 0.573 | 172.4 | 129.7 | -79.9 | 0.577 |
| | | 11.24 | 12.38 | 23.63 | ONE | 18.639 | 221.5 | 78.2 | 15.2 | | | | | | | | | | |
| 45390.0 | 47020.0 | 0.577 | 202.1 | -9.7 | -0.16 | 1.498 | 74.8 | 1.208 | -4.458 | 27.7 | 137.7 | 0.928D | NA | 0.81 | 0.573 | 172.5 | 130.3 | -79.8 | 0.578 |
| | | 12.63 | 12.40 | 25.03 | ONE | 18.639 | 221.5 | 78.2 | 15.4 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447120.0 | | | | | | | | | | | | |
| 45330.0 | 47120.0 | 0.585 | 226.9 | -20.6 | -1.21 | 1.484 | 106.6 | 1.153 | -5.952 | 329.1 | 501.2 | 0.909 | NA | 1.95 | 0.522 | 172.0 | 133.0 | -79.6 | 0.529 |
| | | 12.82 | 11.24 | 24.07 | ONE | 20.107 | 217.9 | 77.3 | 17.0 | | | | | | | | | | |
| 45340.0 | 47120.0 | 0.531 | 225.9 | -18.8 | -0.53 | 1.485 | 101.6 | 1.162 | -5.840 | 338.4 | 500.3 | 0.946 | NA | 1.26 | 0.525 | 171.9 | 131.5 | -79.8 | 0.531 |
| | | 11.48 | 11.30 | 22.78 | ONE | 20.107 | 217.9 | 77.3 | 16.8 | | | | | | | | | | |
| 45350.0 | 47120.0 | 0.491 | 222.3 | -17.4 | -0.35 | 1.486 | 96.5 | 1.169 | -5.754 | 347.9 | 499.6 | 0.972 | NA | 1.06 | 0.527 | 171.8 | 130.6 | -79.9 | 0.533 |
| | | 10.51 | 11.34 | 21.86 | ONE | 20.107 | 217.9 | 77.3 | 16.6 | | | | | | | | | | |
| 45360.0 | 47120.0 | 0.471 | 216.6 | -15.4 | -0.27 | 1.486 | 91.2 | 1.173 | -5.692 | 357.7 | 499.3 | 0.984 | NA | 0.96 | 0.529 | 171.7 | 130.1 | -79.9 | 0.534 |
| | | 10.05 | 11.38 | 21.43 | ONE | 20.107 | 217.9 | 77.3 | 16.5 | | | | | | | | | | |
| 45370.0 | 47120.0 | 0.478 | 210.2 | -13.0 | -0.22 | 1.485 | 85.8 | 1.174 | -5.653 | 7.9 | 139.3 | 0.981D | NA | 0.90 | 0.530 | 171.8 | 130.0 | -79.9 | 0.536 |
| | | 10.20 | 11.40 | 21.61 | ONE | 20.107 | 217.9 | 77.3 | 16.4 | | | | | | | | | | |
| 45380.0 | 47120.0 | 0.511 | 204.3 | -10.7 | -0.19 | 1.484 | 80.1 | 1.171 | -5.633 | 18.3 | 139.6 | 0.961D | NA | 0.86 | 0.531 | 171.9 | 130.2 | -79.9 | 0.537 |
| | | 11.01 | 11.42 | 22.43 | ONE | 20.107 | 217.9 | 77.3 | 16.5 | | | | | | | | | | |
| 45390.0 | 47120.0 | 0.570 | 200.2 | -9.0 | -0.18 | 1.483 | 74.3 | 1.164 | -5.631 | 29.2 | 140.4 | 0.922D | NA | 0.82 | 0.531 | 172.0 | 130.9 | -79.8 | 0.537 |
| | | 12.44 | 11.44 | 23.88 | ONE | 20.107 | 217.9 | 77.3 | 16.7 | | | | | | | | | | |
| 45400.0 | 47120.0 | 0.667 | 198.1 | -8.0 | -0.17 | 1.481 | 68.3 | 1.153 | -5.643 | 40.4 | 141.5 | 0.866D | NA | 0.79 | 0.530 | 172.3 | 131.9 | -79.6 | 0.538 |
| | | 14.42 | 11.46 | 25.87 | ONE | 20.107 | 217.9 | 77.3 | 16.9 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447220.0 | | | | | | | | | | | | |
| 45320.0 | 47220.0 | 0.628 | 228.2 | -11.1 | 3.00 | 1.470 | 110.6 | 1.111 | -7.806 | 321.0 | 504.5 | 0.869 | NA | -2.24 | 0.482 | 171.6 | 132.6 | -78.9 | 0.492 |
| | | 13.92 | 10.39 | 24.31 | TWO | 19.594 | 214.8 | 76.4 | 18.6 | | | | | | | | | | |
| 45330.0 | 47220.0 | 0.565 | 225.5 | -21.2 | -1.55 | 1.471 | 105.8 | 1.120 | -7.611 | 330.1 | 503.4 | 0.914 | NA | 2.29 | 0.485 | 171.4 | 133.7 | -79.6 | 0.494 |
| | | 12.32 | 10.45 | 22.76 | ONE | 19.594 | 214.8 | 76.4 | 18.3 | | | | | | | | | | |
| 45340.0 | 47220.0 | 0.512 | 224.3 | -18.7 | -0.62 | 1.472 | 100.9 | 1.127 | -7.458 | 339.5 | 502.5 | 0.950 | NA | 1.35 | 0.488 | 171.3 | 132.1 | -79.7 | 0.496 |
| | | 11.02 | 10.49 | 21.51 | ONE | 19.594 | 214.8 | 76.4 | 18.0 | | | | | | | | | | |
| 45350.0 | 47220.0 | 0.474 | 220.4 | -17.0 | -0.40 | 1.473 | 95.8 | 1.133 | -7.342 | 349.1 | 502.0 | 0.974 | NA | 1.11 | 0.490 | 171.2 | 131.1 | -79.8 | 0.497 |
| | | 10.12 | 10.53 | 20.65 | ONE | 19.594 | 214.8 | 76.4 | 17.8 | | | | | | | | | | |
| 45360.0 | 47220.0 | 0.458 | 214.6 | -14.8 | -0.30 | 1.473 | 90.6 | 1.136 | -7.261 | 359.0 | 501.7 | 0.984 | NA | 0.99 | 0.492 | 171.2 | 130.6 | -79.9 | 0.499 |
| | | 9.74 | 10.56 | 20.29 | ONE | 19.594 | 214.8 | 76.4 | 17.7 | | | | | | | | | | |
| 45370.0 | 47220.0 | 0.467 | 208.1 | -12.4 | -0.25 | 1.472 | 85.1 | 1.136 | -7.212 | 9.1 | 141.7 | 0.979D | NA | 0.92 | 0.492 | 171.2 | 130.5 | -79.9 | 0.500 |
| | | 9.96 | 10.58 | 20.54 | ONE | 19.594 | 214.8 | 76.4 | 17.7 | | | | | | | | | | |
| 45380.0 | 47220.0 | 0.504 | 202.4 | -10.1 | -0.21 | 1.471 | 79.6 | 1.133 | -7.193 | 19.7 | 142.1 | 0.957D | NA | 0.87 | 0.493 | 171.3 | 130.9 | -79.8 | 0.500 |
| | | 10.83 | 10.60 | 21.42 | ONE | 19.594 | 214.8 | 76.4 | 17.8 | | | | | | | | | | |
| 45390.0 | 47220.0 | 0.564 | 198.6 | -8.4 | -0.20 | 1.470 | 73.8 | 1.127 | -7.200 | 30.5 | 142.9 | 0.917D | NA | 0.83 | 0.493 | 171.5 | 131.6 | -79.7 | 0.501 |
| | | 12.29 | 10.61 | 22.91 | ONE | 19.594 | 214.8 | 76.4 | 18.0 | | | | | | | | | | |
| 45400.0 | 47220.0 | 0.642 | 196.8 | -7.6 | -0.19 | 1.468 | 67.9 | 1.119 | -7.227 | 41.7 | 144.0 | 0.859D | NA | 0.79 | 0.492 | 171.8 | 132.7 | -79.5 | 0.502 |
| | | 14.28 | 10.62 | 24.90 | ONE | 19.594 | 214.8 | 76.4 | 18.3 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447320.0 | | | | | | | | | | | | |
| 45320.0 | 47320.0 | 0.609 | 227.1 | -11.9 | 2.44 | 1.460 | 109.9 | 1.086 | -10.222 | 321.9 | 506.5 | 0.875 | NA | -1.68 | 0.449 | 171.0 | 133.4 | -78.9 | 0.460 |
| | | 13.43 | 9.71 | 23.13 | TWO | 18.282 | 212.2 | 75.4 | 19.9 | | | | | | | | | | |
| 45330.0 | 47320.0 | 0.548 | 224.0 | -22.2 | -2.03 | 1.461 | 105.1 | 1.093 | -9.936 | 331.0 | 505.5 | 0.919 | NA | 2.77 | 0.452 | 170.8 | 134.6 | -79.6 | 0.462 |
| | | 11.90 | 9.75 | 21.65 | ONE | 18.282 | 212.2 | 75.4 | 19.6 | | | | | | | | | | |
| 45340.0 | 47320.0 | 0.496 | 222.9 | -18.6 | -0.72 | 1.462 | 100.2 | 1.098 | -9.713 | 340.4 | 504.7 | 0.954 | NA | 1.44 | 0.455 | 170.7 | 132.8 | -79.6 | 0.464 |
| | | 10.63 | 9.79 | 20.42 | ONE | 18.282 | 212.2 | 75.4 | 19.3 | | | | | | | | | | |
| 45350.0 | 47320.0 | 0.460 | 218.7 | -16.7 | -0.45 | 1.462 | 95.2 | 1.102 | -9.549 | 350.1 | 504.2 | 0.976 | NA | 1.15 | 0.457 | 170.6 | 131.8 | -79.7 | 0.466 |
| | | 9.80 | 9.82 | 19.62 | ONE | 18.282 | 212.2 | 75.4 | 19.1 | | | | | | | | | | |
| 45360.0 | 47320.0 | 0.446 | 212.7 | -14.4 | -0.33 | 1.462 | 90.0 | 1.104 | -9.438 | 0.0 | 143.9 | 0.984D | NA | 1.02 | 0.458 | 170.6 | 131.3 | -79.8 | 0.467 |
| | | 9.48 | 9.85 | 19.32 | ONE | 18.282 | 212.2 | 75.4 | 19.0 | | | | | | | | | | |
| 45370.0 | 47320.0 | 0.459 | 206.2 | -11.8 | -0.27 | 1.461 | 84.6 | 1.104 | -9.377 | 10.3 | 144.0 | 0.978D | NA | 0.94 | 0.459 | 170.7 | 131.3 | -79.8 | 0.468 |
| | | 9.77 | 9.86 | 19.63 | ONE | 18.282 | 212.2 | 75.4 | 19.0 | | | | | | | | | | |
| 45380.0 | 47320.0 | 0.498 | 200.8 | -9.5 | -0.24 | 1.460 | 79.1 | 1.102 | -9.361 | 20.8 | 144.4 | 0.954D | NA | 0.88 | 0.459 | 170.8 | 131.7 | -79.7 | 0.468 |
| | | 10.68 | 9.88 | 20.56 | ONE | 18.282 | 212.2 | 75.4 | 19.1 | | | | | | | | | | |
| 45390.0 | 47320.0 | 0.559 | 197.2 | -7.9 | -0.21 | 1.459 | 73.4 | 1.097 | -9.383 | 31.6 | 145.2 | 0.913D | NA | 0.83 | 0.459 | 171.0 | 132.4 | -79.5 | 0.469 |
| | | 12.18 | 9.89 | 22.07 | ONE | 18.282 | 212.2 | 75.4 | 19.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45400.0 | 47320.0 | 0.638 | 195.7 | -7.1 | -0.20 | 1.457 | 67.6 | 1.090 | -9.438 | 42.8 | 146.3 | 0.854D | NA | 0.79 | 0.458 | 171.3 | 133.6 | -79.3 | 0.469 |
| | | 14.16 | 9.90 | 24.06 | ONE | 18.282 | 212.2 | 75.4 | 19.6 | | | | | | | | | | |
| ARRIVAL DATE = 2447420.0 | | | | | | | | | | | | | | | | | | | |
| 45320.0 | 47420.0 | 0.593 | 226.2 | -12.3 | 2.10 | 1.451 | 109.3 | 1.064 | -13.846 | 322.6 | 508.4 | 0.880 | NA | -1.34 | 0.419 | 170.4 | 134.2 | -78.8 | 0.432 |
| | | 13.02 | 9.11 | 22.12 | TWO | 19.192 | 209.8 | 74.4 | 21.3 | | | | | | | | | | |
| 45330.0 | 47420.0 | 0.535 | 222.5 | -23.9 | -2.76 | 1.452 | 104.6 | 1.069 | -13.392 | 331.8 | 507.4 | 0.923 | NA | 3.49 | 0.422 | 170.2 | 135.9 | -79.6 | 0.434 |
| | | 11.57 | 9.15 | 20.72 | ONE | 19.192 | 209.8 | 74.4 | 21.0 | | | | | | | | | | |
| 45340.0 | 47420.0 | 0.482 | 221.6 | -18.7 | -0.84 | 1.453 | 99.7 | 1.073 | -13.045 | 341.3 | 506.7 | 0.956 | NA | 1.56 | 0.425 | 170.1 | 133.6 | -79.5 | 0.436 |
| | | 10.32 | 9.18 | 19.49 | ONE | 19.192 | 209.8 | 74.4 | 20.7 | | | | | | | | | | |
| 45350.0 | 47420.0 | 0.449 | 217.2 | -16.4 | -0.50 | 1.453 | 94.7 | 1.076 | -12.796 | 351.0 | 506.2 | 0.977 | NA | 1.20 | 0.426 | 170.0 | 132.7 | -79.6 | 0.437 |
| | | 9.53 | 9.20 | 18.73 | ONE | 19.192 | 209.8 | 74.4 | 20.5 | | | | | | | | | | |
| 45360.0 | 47420.0 | 0.437 | 211.1 | -13.9 | -0.37 | 1.453 | 89.5 | 1.078 | -12.634 | 1.0 | 146.0 | 0.984D | NA | 1.05 | 0.428 | 170.0 | 132.2 | -79.6 | 0.438 |
| | | 9.27 | 9.22 | 18.49 | ONE | 19.192 | 209.8 | 74.4 | 20.4 | | | | | | | | | | |
| 45370.0 | 47420.0 | 0.452 | 204.7 | -11.3 | -0.30 | 1.452 | 84.2 | 1.078 | -12.553 | 11.2 | 146.1 | 0.976D | NA | 0.95 | 0.428 | 170.1 | 132.2 | -79.6 | 0.439 |
| | | 9.61 | 9.24 | 18.85 | ONE | 19.192 | 209.8 | 74.4 | 20.4 | | | | | | | | | | |
| 45380.0 | 47420.0 | 0.493 | 199.4 | -9.0 | -0.26 | 1.451 | 78.7 | 1.076 | -12.544 | 21.8 | 146.6 | 0.951D | NA | 0.89 | 0.428 | 170.2 | 132.6 | -79.5 | 0.439 |
| | | 10.56 | 9.25 | 19.81 | ONE | 19.192 | 209.8 | 74.4 | 20.5 | | | | | | | | | | |
| 45390.0 | 47420.0 | 0.555 | 196.1 | -7.5 | -0.23 | 1.449 | 73.1 | 1.072 | -12.600 | 32.6 | 147.3 | 0.909D | NA | 0.84 | 0.428 | 170.4 | 133.4 | -79.4 | 0.440 |
| | | 12.08 | 9.26 | 21.34 | ONE | 19.192 | 209.8 | 74.4 | 20.7 | | | | | | | | | | |
| 45400.0 | 47420.0 | 0.634 | 194.8 | -6.8 | -0.22 | 1.447 | 67.4 | 1.067 | -12.710 | 43.8 | 148.4 | 0.850D | NA | 0.80 | 0.427 | 170.7 | 134.6 | -79.2 | 0.440 |
| | | 14.06 | 9.27 | 23.33 | ONE | 19.192 | 209.8 | 74.4 | 21.0 | | | | | | | | | | |
| ARRIVAL DATE = 2447520.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 47520.0 | 0.643 | 223.1 | -14.9 | 0.77 | 1.441 | 113.4 | 1.040 | -20.879 | 314.2 | 511.3 | 0.833 | NA | 0.0 | 0.389 | 170.0 | 137.4 | -78.4 | 0.405 |
| | | 14.30 | 8.54 | 22.85 | TWO | 20.293 | 207.7 | 73.4 | 23.1 | | | | | | | | | | |
| 45320.0 | 47520.0 | 0.579 | 225.5 | -12.6 | 1.87 | 1.443 | 108.8 | 1.045 | -19.830 | 323.2 | 510.2 | 0.884 | NA | -1.12 | 0.392 | 169.8 | 135.2 | -78.6 | 0.407 |
| | | 12.68 | 8.58 | 21.26 | TWO | 20.293 | 207.7 | 73.4 | 22.7 | | | | | | | | | | |
| 45330.0 | 47520.0 | 0.526 | 220.7 | -27.0 | -4.00 | 1.444 | 104.1 | 1.049 | -19.021 | 332.5 | 509.3 | 0.927 | NA | 4.73 | 0.395 | 169.6 | 137.9 | -79.6 | 0.409 |
| | | 11.35 | 8.62 | 19.97 | ONE | 20.293 | 207.7 | 73.4 | 22.4 | | | | | | | | | | |
| 45340.0 | 47520.0 | 0.471 | 220.4 | -18.8 | -0.97 | 1.445 | 99.2 | 1.052 | -18.418 | 342.1 | 508.6 | 0.959 | NA | 1.69 | 0.397 | 169.5 | 134.7 | -79.4 | 0.410 |
| | | 10.05 | 8.64 | 18.69 | ONE | 20.293 | 207.7 | 73.4 | 22.1 | | | | | | | | | | |
| 45350.0 | 47520.0 | 0.439 | 215.9 | -16.2 | -0.57 | 1.445 | 94.2 | 1.054 | -17.996 | 351.8 | 508.2 | 0.978 | NA | 1.26 | 0.399 | 169.4 | 133.7 | -79.5 | 0.411 |
| | | 9.31 | 8.66 | 17.97 | ONE | 20.293 | 207.7 | 73.4 | 21.9 | | | | | | | | | | |
| 45360.0 | 47520.0 | 0.430 | 209.7 | -13.6 | -0.41 | 1.445 | 89.1 | 1.055 | -17.734 | 1.8 | 148.0 | 0.984D | NA | 1.08 | 0.400 | 169.4 | 133.2 | -79.5 | 0.412 |
| | | 9.09 | 8.68 | 17.77 | ONE | 20.293 | 207.7 | 73.4 | 21.8 | | | | | | | | | | |
| 45370.0 | 47520.0 | 0.446 | 203.3 | -10.9 | -0.33 | 1.444 | 83.8 | 1.055 | -17.617 | 12.1 | 148.1 | 0.975D | NA | 0.97 | 0.400 | 169.5 | 133.2 | -79.5 | 0.413 |
| | | 9.48 | 8.69 | 18.17 | ONE | 20.293 | 207.7 | 73.4 | 21.8 | | | | | | | | | | |
| 45380.0 | 47520.0 | 0.489 | 198.2 | -8.6 | -0.28 | 1.443 | 78.4 | 1.054 | -17.630 | 22.6 | 148.6 | 0.949D | NA | 0.90 | 0.400 | 169.6 | 133.7 | -79.4 | 0.413 |
| | | 10.46 | 8.70 | 19.17 | ONE | 20.293 | 207.7 | 73.4 | 21.9 | | | | | | | | | | |
| 45390.0 | 47520.0 | 0.552 | 195.1 | -7.1 | -0.25 | 1.441 | 72.8 | 1.051 | -17.760 | 33.5 | 149.3 | 0.906D | NA | 0.85 | 0.400 | 169.8 | 134.5 | -79.2 | 0.414 |
| | | 11.99 | 8.71 | 20.70 | ONE | 20.293 | 207.7 | 73.4 | 22.2 | | | | | | | | | | |
| 45400.0 | 47520.0 | 0.630 | 194.0 | -6.5 | -0.24 | 1.439 | 67.2 | 1.047 | -17.992 | 44.6 | 150.4 | 0.846D | NA | 0.80 | 0.399 | 170.2 | 135.7 | -79.0 | 0.414 |
| | | 13.97 | 8.72 | 22.70 | ONE | 20.293 | 207.7 | 73.4 | 22.5 | | | | | | | | | | |
| ARRIVAL DATE = 2447620.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 47620.0 | 0.632 | 222.7 | -14.7 | 0.77 | 1.435 | 113.0 | 1.025 | -33.874 | 314.7 | 512.9 | 0.837 | NA | 0.0 | 0.365 | 169.4 | 138.4 | -78.2 | 0.382 |
| | | 14.01 | 8.08 | 22.09 | TWO | 19.157 | 205.9 | 72.4 | 24.6 | | | | | | | | | | |
| 45320.0 | 47620.0 | 0.568 | 224.9 | -12.7 | 1.71 | 1.437 | 108.4 | 1.028 | -31.473 | 323.8 | 511.9 | 0.888 | NA | -0.96 | 0.368 | 169.1 | 136.3 | -78.4 | 0.384 |
| | | 12.39 | 8.12 | 20.51 | TWO | 19.157 | 205.9 | 72.4 | 24.1 | | | | | | | | | | |
| 45330.0 | 47620.0 | 0.526 | 217.8 | -33.6 | -6.60 | 1.438 | 103.6 | 1.031 | -29.703 | 333.1 | 511.0 | 0.930 | NA | 7.33 | 0.370 | 168.9 | 141.2 | -79.7 | 0.386 |
| | | 11.37 | 8.15 | 19.52 | ONE | 19.157 | 205.9 | 72.4 | 23.9 | | | | | | | | | | |
| 45340.0 | 47620.0 | 0.462 | 219.3 | -19.0 | -1.13 | 1.438 | 98.8 | 1.034 | -28.432 | 342.7 | 510.4 | 0.961 | NA | 1.84 | 0.372 | 168.8 | 135.9 | -79.2 | 0.387 |
| | | 9.83 | 8.17 | 18.00 | ONE | 19.157 | 205.9 | 72.4 | 23.5 | | | | | | | | | | |
| 45350.0 | 47620.0 | 0.431 | 214.8 | -16.1 | -0.63 | 1.439 | 93.8 | 1.036 | -27.573 | 352.5 | 510.0 | 0.979 | NA | 1.32 | 0.374 | 168.7 | 134.8 | -79.3 | 0.388 |
| | | 9.12 | 8.19 | 17.31 | ONE | 19.157 | 205.9 | 72.4 | 23.3 | | | | | | | | | | |
| 45360.0 | 47620.0 | 0.423 | 208.5 | -13.3 | -0.45 | 1.438 | 88.7 | 1.036 | -27.067 | 2.5 | 149.9 | 0.984D | NA | 1.11 | 0.375 | 168.7 | 134.4 | -79.3 | 0.388 |
| | | 8.95 | 8.20 | 17.15 | ONE | 19.157 | 205.9 | 72.4 | 23.2 | | | | | | | | | | |
| 45370.0 | 47620.0 | 0.442 | 202.1 | -10.5 | -0.36 | 1.437 | 83.5 | 1.036 | -26.870 | 12.8 | 150.0 | 0.973D | NA | 1.00 | 0.375 | 168.8 | 134.4 | -79.3 | 0.389 |
| | | 9.37 | 8.21 | 17.58 | ONE | 19.157 | 205.9 | 72.4 | 23.2 | | | | | | | | | | |
| 45380.0 | 47620.0 | 0.485 | 197.2 | -8.3 | -0.30 | 1.436 | 78.1 | 1.035 | -26.952 | 23.4 | 150.4 | 0.946D | NA | 0.92 | 0.375 | 169.0 | 134.8 | -79.2 | 0.389 |
| | | 10.38 | 8.22 | 18.60 | ONE | 19.157 | 205.9 | 72.4 | 23.4 | | | | | | | | | | |
| 45390.0 | 47620.0 | 0.549 | 194.3 | -6.9 | -0.27 | 1.434 | 72.6 | 1.033 | -27.289 | 34.2 | 151.2 | 0.903D | NA | 0.86 | 0.374 | 169.2 | 135.7 | -79.0 | 0.390 |
| | | 11.91 | 8.23 | 20.15 | ONE | 19.157 | 205.9 | 72.4 | 23.6 | | | | | | | | | | |
| 45400.0 | 47620.0 | 0.627 | 193.4 | -6.3 | -0.25 | 1.432 | 67.0 | 1.030 | -27.857 | 45.3 | 152.2 | 0.843D | NA | 0.81 | 0.373 | 169.6 | 137.0 | -78.7 | 0.390 |
| | | 13.89 | 8.24 | 22.13 | ONE | 19.157 | 205.9 | 72.4 | 24.0 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2447720.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 47720.0 | 0.622<br>13.76 | 222.4<br>7.68 | -14.6<br>21.44 | 0.77<br>TWO | 1.430<br>18.374 | 112.6<br>204.3 | 1.012<br>71.4 | -72.952<br>26.1 | 315.0 | 514.5 | 0.840 | NA | 0.0 | 0.342 | 168.7 | 139.5 | -78.0 | 0.362 |
| 45320.0 | 47720.0 | 0.558<br>12.15 | 224.4<br>7.71 | -12.8<br>19.86 | 1.59<br>TWO | 1.431<br>18.374 | 108.0<br>204.3 | 1.014<br>71.4 | -63.602<br>25.6 | 324.2 | 513.5 | 0.891 | NA | -0.84 | 0.345 | 168.4 | 137.4 | -78.2 | 0.363 |
| 45330.0 | 47720.0 | 0.591<br>12.98 | 209.8<br>7.77 | -53.8<br>20.75 | -15.33<br>ONE | 1.432<br>18.374 | 103.3<br>204.3 | 1.016<br>71.4 | -57.444<br>25.8 | 333.6 | 512.7 | 0.932 | NA | 16.05 | 0.348 | 168.2 | 151.3 | -80.1 | 0.366 |
| 45340.0 | 47720.0 | 0.454<br>9.64 | 218.4<br>7.75 | -19.4<br>17.39 | -1.33<br>ONE | 1.433<br>18.374 | 98.5<br>204.3 | 1.018<br>71.4 | -53.375<br>24.9 | 343.2 | 512.1 | 0.962 | NA | 2.03 | 0.349 | 168.1 | 137.2 | -79.1 | 0.366 |
| 45350.0 | 47720.0 | 0.424<br>8.96 | 213.8<br>7.77 | -16.1<br>16.73 | -0.70<br>ONE | 1.433<br>18.374 | 93.5<br>204.3 | 1.019<br>71.4 | -50.801<br>24.8 | 353.0 | 511.7 | 0.980 | NA | 1.39 | 0.351 | 168.0 | 136.1 | -79.1 | 0.366 |
| 45360.0 | 47720.0 | 0.418<br>8.83 | 207.4<br>7.78 | -13.1<br>16.61 | -0.49<br>ONE | 1.432<br>18.374 | 88.4<br>204.3 | 1.020<br>71.4 | -49.381<br>24.7 | 3.1 | 151.6 | 0.984D | NA | 1.15 | 0.352 | 168.0 | 135.6 | -79.1 | 0.367 |
| 45370.0 | 47720.0 | 0.438<br>9.28 | 201.2<br>7.79 | -10.3<br>17.07 | -0.39<br>ONE | 1.432<br>18.374 | 83.2<br>204.3 | 1.020<br>71.4 | -48.923<br>24.7 | 13.4 | 151.8 | 0.972D | NA | 1.02 | 0.352 | 168.1 | 135.7 | -79.1 | 0.368 |
| 45380.0 | 47720.0 | 0.482<br>10.30 | 196.4<br>7.80 | -8.0<br>18.10 | -0.33<br>ONE | 1.430<br>18.374 | 77.9<br>204.3 | 1.019<br>71.4 | -49.322<br>24.9 | 24.0 | 152.2 | 0.945D | NA | 0.93 | 0.352 | 168.3 | 136.1 | -79.0 | 0.368 |
| 45390.0 | 47720.0 | 0.546<br>11.84 | 193.7<br>7.81 | -6.6<br>19.65 | -0.29<br>ONE | 1.428<br>18.374 | 72.5<br>204.3 | 1.018<br>71.4 | -50.529<br>25.1 | 34.8 | 152.9 | 0.901D | NA | 0.87 | 0.351 | 168.5 | 137.0 | -78.8 | 0.368 |
| 45400.0 | 47720.0 | 0.624<br>13.81 | 192.9<br>7.82 | -6.1<br>21.63 | -0.27<br>ONE | 1.426<br>18.374 | 66.9<br>204.3 | 1.016<br>71.4 | -52.528<br>25.5 | 45.8 | 153.9 | 0.841D | NA | 0.81 | 0.350 | 168.9 | 138.3 | -78.5 | 0.369 |
| ARRIVAL DATE = 2447820.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 47820.0 | 0.614<br>13.55 | 222.2<br>7.32 | -14.5<br>20.87 | 0.77<br>TWO | 1.425<br>19.765 | 112.3<br>202.8 | 1.000<br>70.3 | ******<br>27.6 | 315.3 | 515.9 | 0.843 | NA | 0.0 | 0.321 | 168.0 | 140.7 | -77.7 | 0.343 |
| 45320.0 | 47820.0 | 0.550<br>11.94 | 224.0<br>7.35 | -12.9<br>19.29 | 1.50<br>TWO | 1.426<br>19.765 | 107.7<br>202.8 | 1.002<br>70.3 | *******<br>27.1 | 324.6 | 515.0 | 0.893 | NA | -0.75 | 0.324 | 167.7 | 138.7 | -77.9 | 0.344 |
| 45340.0 | 47820.0 | 0.447<br>9.49 | 217.5<br>7.39 | -20.0<br>16.88 | -1.56<br>ONE | 1.428<br>19.765 | 98.2<br>202.8 | 1.004<br>70.3 | *******<br>26.5 | 343.7 | 513.7 | 0.963 | NA | 2.26 | 0.328 | 167.4 | 138.8 | -78.8 | 0.346 |
| 45350.0 | 47820.0 | 0.418<br>8.83 | 212.9<br>7.40 | -16.1<br>16.23 | -0.79<br>ONE | 1.428<br>19.765 | 93.2<br>202.8 | 1.005<br>70.3 | *******<br>26.3 | 353.5 | 513.3 | 0.980 | NA | 1.46 | 0.330 | 167.3 | 137.5 | -78.9 | 0.347 |
| 45360.0 | 47820.0 | 0.413<br>8.72 | 206.6<br>7.41 | -13.0<br>16.13 | -0.54<br>ONE | 1.427<br>19.765 | 88.2<br>202.8 | 1.006<br>70.3 | *******<br>26.2 | 3.6 | 153.3 | 0.984D | NA | 1.19 | 0.330 | 167.3 | 137.0 | -78.9 | 0.348 |
| 45370.0 | 47820.0 | 0.434<br>9.19 | 200.4<br>7.42 | -10.0<br>16.61 | -0.42<br>ONE | 1.426<br>19.765 | 83.0<br>202.8 | 1.006<br>70.3 | *******<br>26.2 | 13.9 | 153.4 | 0.971D | NA | 1.04 | 0.331 | 167.4 | 137.1 | -78.8 | 0.348 |
| 45380.0 | 47820.0 | 0.479<br>10.23 | 195.7<br>7.43 | -7.8<br>17.66 | -0.35<br>ONE | 1.425<br>19.765 | 77.7<br>202.8 | 1.005<br>70.3 | *******<br>26.4 | 24.4 | 153.8 | 0.943D | NA | 0.95 | 0.330 | 167.6 | 137.5 | -78.7 | 0.348 |
| 45390.0 | 47820.0 | 0.543<br>11.78 | 193.2<br>7.43 | -6.5<br>19.21 | -0.31<br>ONE | 1.423<br>19.765 | 72.3<br>202.8 | 1.005<br>70.3 | *******<br>26.7 | 35.2 | 154.5 | 0.899D | NA | 0.88 | 0.329 | 167.9 | 138.4 | -78.5 | 0.349 |
| 45400.0 | 47820.0 | 0.621<br>13.73 | 192.5<br>7.44 | -6.0<br>21.18 | -0.29<br>ONE | 1.421<br>19.765 | 66.8<br>202.8 | 1.004<br>70.3 | *******<br>27.1 | 46.2 | 155.5 | 0.839D | NA | 0.82 | 0.328 | 168.2 | 139.7 | -78.2 | 0.349 |
| ARRIVAL DATE = 2447920.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 47920.0 | 0.607<br>13.37 | 222.0<br>7.01 | -14.4<br>20.39 | 0.77<br>TWO | 1.421<br>20.221 | 112.1<br>201.5 | 0.990<br>69.3 | 84.547<br>29.2 | 315.6 | 517.3 | 0.845 | 168.249A | 0.0 | 0.302 | 167.2 | 142.0 | -77.3 | 0.326 |
| 45320.0 | 47920.0 | 0.543<br>11.78 | 223.7<br>7.03 | -13.0<br>18.81 | 1.42<br>TWO | 1.422<br>20.221 | 107.5<br>201.5 | 0.991<br>69.3 | 98.202<br>28.7 | 324.9 | 516.4 | 0.895 | 195.510A | -0.68 | 0.305 | 166.9 | 140.0 | -77.6 | 0.327 |
| 45330.0 | 47920.0 | 0.543<br>11.78 | 232.9<br>7.06 | 13.5<br>18.84 | 11.90<br>TWO | 1.423<br>20.221 | 102.8<br>201.5 | 0.992<br>69.3 | 113.363<br>28.6 | 334.3 | 515.7 | 0.935 | 225.792A | -11.08 | 0.307 | 166.8 | 132.4 | -76.2 | 0.329 |
| 45340.0 | 47920.0 | 0.442<br>9.37 | 216.6<br>7.06 | -20.8<br>16.43 | -1.86<br>ONE | 1.423<br>20.221 | 98.0<br>201.5 | 0.993<br>69.3 | 128.754<br>28.0 | 344.0 | 515.2 | 0.964 | 256.544A | 2.55 | 0.309 | 166.6 | 140.4 | -78.6 | 0.329 |
| 45350.0 | 47920.0 | 0.413<br>8.72 | 212.2<br>7.07 | -16.2<br>15.80 | -0.88<br>ONE | 1.423<br>20.221 | 93.0<br>201.5 | 0.993<br>69.3 | 142.138<br>27.8 | 353.9 | 514.9 | 0.981 | 283.295A | 1.55 | 0.310 | 166.5 | 139.0 | -78.6 | 0.329 |
| 45360.0 | 47920.0 | 0.409<br>8.63 | 205.8<br>7.08 | -12.9<br>15.72 | -0.58<br>ONE | 1.423<br>20.221 | 88.0<br>201.5 | 0.993<br>69.3 | 150.757<br>27.7 | 4.0 | 154.8 | 0.983D | 300.531A | 1.23 | 0.311 | 166.6 | 138.5 | -78.6 | 0.330 |
| 45370.0 | 47920.0 | 0.431<br>9.12 | 199.7<br>7.09 | -9.9<br>16.21 | -0.45<br>ONE | 1.422<br>20.221 | 82.9<br>201.5 | 0.994<br>69.3 | 152.572<br>27.8 | 14.3 | 154.9 | 0.971D | 304.173A | 1.07 | 0.311 | 166.7 | 138.5 | -78.5 | 0.330 |
| 45380.0 | 47920.0 | 0.476<br>10.17 | 195.2<br>7.10 | -7.7<br>17.27 | -0.38<br>ONE | 1.421<br>20.221 | 77.6<br>201.5 | 0.994<br>69.3 | 147.465<br>28.0 | 24.8 | 155.4 | 0.942D | 293.988A | 0.96 | 0.310 | 166.8 | 139.0 | -78.4 | 0.331 |
| 45390.0 | 47920.0 | 0.540<br>11.71 | 192.7<br>7.11 | -6.4<br>18.82 | -0.33<br>ONE | 1.419<br>20.221 | 72.3<br>201.5 | 0.993<br>69.3 | 137.267<br>28.3 | 35.6 | 156.0 | 0.898D | 273.636A | 0.89 | 0.310 | 167.1 | 139.9 | -78.2 | 0.331 |
| 45400.0 | 47920.0 | 0.618<br>13.65 | 192.2<br>7.11 | -5.9<br>20.77 | -0.30<br>ONE | 1.417<br>20.221 | 66.8<br>201.5 | 0.993<br>69.3 | 124.621<br>28.7 | 46.5 | 156.9 | 0.838D | 248.404A | 0.82 | 0.308 | 167.5 | 141.1 | -77.8 | 0.331 |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448020.0** | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48020.0 | 0.601 | 221.9 | -14.4 | 0.77 | 1.417 | 111.9 | 0.981 | 45.120 | 315.7 | 518.6 | 0.847 | 89.393A | 0.0 | 0.284 | 166.4 | 143.3 | -77.0 | 0.310 |
| | | 13.23 | 6.73 | 19.96 | TWO | 18.759 | 200.3 | 68.2 | 30.8 | | | | | | | | | | |
| 45320.0 | 48020.0 | 0.537 | 223.4 | -13.0 | 1.36 | 1.418 | 107.3 | 0.981 | 48.392 | 325.1 | 517.8 | 0.896 | 95.887A | -0.62 | 0.287 | 166.2 | 141.4 | -77.3 | 0.311 |
| | | 11.64 | 6.75 | 18.38 | TWO | 18.759 | 200.3 | 68.2 | 30.3 | | | | | | | | | | |
| 45330.0 | 48020.0 | 0.500 | 227.8 | 2.1 | 6.80 | 1.419 | 102.6 | 0.982 | 51.469 | 334.6 | 517.1 | 0.936 | 102.002A | -6.08 | 0.289 | 166.0 | 136.3 | -76.7 | 0.312 |
| | | 10.73 | 6.77 | 17.50 | TWO | 18.759 | 200.3 | 68.2 | 30.0 | | | | | | | | | | |
| 45340.0 | 48020.0 | 0.437 | 215.8 | -21.9 | -2.24 | 1.420 | 97.8 | 0.982 | 54.115 | 344.3 | 516.6 | 0.965 | 107.264A | 2.93 | 0.291 | 165.8 | 142.3 | -78.3 | 0.312 |
| | | 9.27 | 6.78 | 16.05 | ONE | 18.759 | 200.3 | 68.2 | 29.6 | | | | | | | | | | |
| 45350.0 | 48020.0 | 0.409 | 211.6 | -16.4 | -0.98 | 1.420 | 92.9 | 0.983 | 56.085 | 354.2 | 516.3 | 0.981 | 111.188A | 1.64 | 0.292 | 165.7 | 140.6 | -78.3 | 0.313 |
| | | 8.63 | 6.78 | 15.41 | ONE | 18.759 | 200.3 | 68.2 | 29.4 | | | | | | | | | | |
| 45360.0 | 48020.0 | 0.405 | 209.3 | -12.9 | -0.64 | 1.419 | 87.9 | 0.983 | 57.185 | 4.3 | 156.2 | 0.983D | 113.387A | 1.27 | 0.293 | 165.8 | 140.0 | -78.3 | 0.313 |
| | | 8.56 | 6.79 | 15.35 | ONE | 18.759 | 200.3 | 68.2 | 29.3 | | | | | | | | | | |
| 45370.0 | 48020.0 | 0.428 | 199.2 | -9.8 | -0.48 | 1.418 | 82.8 | 0.983 | 57.323 | 14.6 | 156.4 | 0.970D | 113.676A | 1.09 | 0.293 | 165.9 | 140.1 | -78.2 | 0.314 |
| | | 9.06 | 6.80 | 15.86 | ONE | 18.759 | 200.3 | 68.2 | 29.4 | | | | | | | | | | |
| 45380.0 | 48020.0 | 0.474 | 194.8 | -7.6 | -0.40 | 1.417 | 77.5 | 0.983 | 56.534 | 25.1 | 156.8 | 0.941D | 112.127A | 0.98 | 0.292 | 166.1 | 140.5 | -78.1 | 0.314 |
| | | 10.11 | 6.81 | 16.91 | ONE | 18.759 | 200.3 | 68.2 | 29.6 | | | | | | | | | | |
| 45390.0 | 48020.0 | 0.538 | 192.4 | -6.3 | -0.35 | 1.415 | 72.2 | 0.984 | 54.972 | 35.8 | 157.4 | 0.897D | 109.048A | 0.90 | 0.291 | 166.4 | 141.4 | -77.8 | 0.315 |
| | | 11.64 | 6.81 | 18.46 | ONE | 18.759 | 200.3 | 68.2 | 29.9 | | | | | | | | | | |
| 45400.0 | 48020.0 | 0.615 | 192.0 | -5.9 | -0.32 | 1.413 | 66.8 | 0.984 | 52.868 | 46.7 | 158.3 | 0.837D | 104.899A | 0.83 | 0.290 | 166.8 | 142.6 | -77.5 | 0.315 |
| | | 13.57 | 6.82 | 20.40 | ONE | 18.759 | 200.3 | 68.2 | 30.3 | | | | | | | | | | |
| **ARRIVAL DATE = 2448120.0** | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48120.0 | 0.597 | 221.8 | -14.4 | 0.77 | 1.414 | 111.8 | 0.974 | 32.056 | 315.8 | 519.8 | 0.848 | 63.264A | 0.0 | 0.268 | 165.6 | 144.7 | -76.5 | 0.295 |
| | | 13.11 | 6.48 | 19.60 | TWO | 18.719 | 199.2 | 67.1 | 32.5 | | | | | | | | | | |
| 45320.0 | 48120.0 | 0.533 | 223.3 | -13.1 | 1.31 | 1.415 | 107.2 | 0.973 | 33.531 | 325.2 | 519.0 | 0.897 | 66.165A | -0.57 | 0.271 | 165.3 | 142.8 | -76.9 | 0.296 |
| | | 11.52 | 6.50 | 18.02 | TWO | 18.719 | 199.2 | 67.1 | 31.9 | | | | | | | | | | |
| 45330.0 | 48120.0 | 0.486 | 225.8 | -2.6 | 4.91 | 1.416 | 102.5 | 0.973 | 34.848 | 334.7 | 518.4 | 0.937 | 68.759A | -4.19 | 0.273 | 165.1 | 138.9 | -76.6 | 0.297 |
| | | 10.40 | 6.51 | 16.91 | TWO | 18.719 | 199.2 | 67.1 | 31.6 | | | | | | | | | | |
| 45340.0 | 48120.0 | 0.435 | 215.0 | -23.4 | -2.75 | 1.416 | 97.7 | 0.973 | 35.926 | 344.5 | 517.9 | 0.966 | 70.886A | 3.44 | 0.274 | 165.0 | 144.4 | -78.0 | 0.298 |
| | | 9.21 | 6.52 | 15.73 | ONE | 18.719 | 199.2 | 67.1 | 31.2 | | | | | | | | | | |
| 45350.0 | 48120.0 | 0.405 | 211.1 | -16.7 | -1.09 | 1.416 | 92.8 | 0.973 | 36.691 | 354.4 | 517.7 | 0.981 | 72.401A | 1.75 | 0.275 | 164.9 | 142.2 | -77.9 | 0.298 |
| | | 8.55 | 6.53 | 15.08 | ONE | 18.719 | 199.2 | 67.1 | 31.0 | | | | | | | | | | |
| 45360.0 | 48120.0 | 0.402 | 204.8 | -12.9 | -0.69 | 1.416 | 87.8 | 0.973 | 37.093 | 4.5 | 157.6 | 0.983D | 73.203A | 1.32 | 0.276 | 164.9 | 141.6 | -77.9 | 0.299 |
| | | 8.49 | 6.54 | 15.02 | ONE | 18.719 | 199.2 | 67.1 | 31.0 | | | | | | | | | | |
| 45370.0 | 48120.0 | 0.425 | 198.8 | -9.8 | -0.52 | 1.415 | 82.7 | 0.974 | 37.112 | 14.8 | 157.8 | 0.970D | 73.255A | 1.12 | 0.276 | 165.0 | 141.6 | -77.8 | 0.299 |
| | | 9.00 | 6.54 | 15.54 | ONE | 18.719 | 199.2 | 67.1 | 31.0 | | | | | | | | | | |
| 45380.0 | 48120.0 | 0.471 | 194.5 | -7.5 | -0.43 | 1.413 | 77.5 | 0.974 | 36.767 | 25.3 | 158.1 | 0.941D | 72.593A | 1.00 | 0.275 | 165.2 | 142.1 | -77.7 | 0.299 |
| | | 10.05 | 6.55 | 16.60 | ONE | 18.719 | 199.2 | 67.1 | 31.2 | | | | | | | | | | |
| 45390.0 | 48120.0 | 0.535 | 192.2 | -6.3 | -0.37 | 1.412 | 72.2 | 0.975 | 36.108 | 36.0 | 158.7 | 0.896D | 71.319A | 0.91 | 0.274 | 165.5 | 142.9 | -77.4 | 0.300 |
| | | 11.58 | 6.56 | 18.13 | ONE | 18.719 | 199.2 | 67.1 | 31.5 | | | | | | | | | | |
| 45400.0 | 48120.0 | 0.611 | 191.9 | -5.9 | -0.34 | 1.410 | 66.9 | 0.976 | 35.211 | 46.9 | 159.6 | 0.837D | 69.585A | 0.84 | 0.273 | 166.0 | 144.1 | -77.0 | 0.300 |
| | | 13.49 | 6.57 | 20.06 | ONE | 18.719 | 199.2 | 67.1 | 32.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2448220.0** | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48220.0 | 0.593 | 221.8 | -14.3 | 0.77 | 1.411 | 111.7 | 0.967 | 25.568 | 315.9 | 521.0 | 0.848 | 50.288A | 0.0 | 0.253 | 164.7 | 146.1 | -76.1 | 0.282 |
| | | 13.02 | 6.26 | 19.29 | TWO | 20.229 | 198.2 | 66.1 | 34.2 | | | | | | | | | | |
| 45320.0 | 48220.0 | 0.529 | 223.2 | -13.2 | 1.27 | 1.412 | 107.1 | 0.966 | 26.421 | 325.3 | 520.2 | 0.898 | 51.944A | -0.52 | 0.255 | 164.5 | 144.3 | -76.4 | 0.283 |
| | | 11.43 | 6.27 | 17.70 | TWO | 20.229 | 198.2 | 66.1 | 33.6 | | | | | | | | | | |
| 45330.0 | 48220.0 | 0.478 | 224.8 | -5.2 | 3.91 | 1.413 | 102.4 | 0.965 | 27.163 | 334.8 | 519.6 | 0.938 | 53.389A | -3.20 | 0.257 | 164.2 | 141.0 | -76.4 | 0.284 |
| | | 10.22 | 6.29 | 16.51 | TWO | 20.229 | 198.2 | 66.1 | 33.2 | | | | | | | | | | |
| 45340.0 | 48220.0 | 0.433 | 214.0 | -25.6 | -3.48 | 1.413 | 97.6 | 0.965 | 27.755 | 344.6 | 519.2 | 0.966 | 54.544A | 4.17 | 0.259 | 164.1 | 146.7 | -77.7 | 0.284 |
| | | 9.18 | 6.29 | 15.47 | ONE | 20.229 | 198.2 | 66.1 | 32.9 | | | | | | | | | | |
| 45350.0 | 48220.0 | 0.402 | 210.7 | -17.0 | -1.22 | 1.413 | 92.7 | 0.965 | 28.164 | 354.5 | 519.0 | 0.981 | 55.347A | 1.87 | 0.260 | 164.0 | 143.9 | -77.6 | 0.284 |
| | | 8.49 | 6.30 | 14.79 | ONE | 20.229 | 198.2 | 66.1 | 32.7 | | | | | | | | | | |
| 45360.0 | 48220.0 | 0.400 | 208.5 | -13.1 | -0.75 | 1.413 | 87.7 | 0.965 | 28.369 | 4.7 | 158.9 | 0.983D | 55.754A | 1.38 | 0.260 | 164.0 | 143.3 | -77.5 | 0.285 |
| | | 8.43 | 6.31 | 14.73 | ONE | 20.229 | 198.2 | 66.1 | 32.6 | | | | | | | | | | |
| 45370.0 | 48220.0 | 0.423 | 198.5 | -9.9 | -0.56 | 1.412 | 82.6 | 0.966 | 28.363 | 15.0 | 159.0 | 0.969D | 55.756A | 1.15 | 0.260 | 164.2 | 143.3 | -77.4 | 0.285 |
| | | 8.94 | 6.31 | 15.25 | ONE | 20.229 | 198.2 | 66.1 | 32.7 | | | | | | | | | | |
| 45380.0 | 48220.0 | 0.469 | 194.3 | -7.5 | -0.46 | 1.411 | 77.5 | 0.967 | 28.157 | 25.4 | 159.4 | 0.940D | 55.373A | 1.02 | 0.260 | 164.4 | 143.7 | -77.3 | 0.286 |
| | | 9.99 | 6.32 | 16.31 | ONE | 20.229 | 198.2 | 66.1 | 32.9 | | | | | | | | | | |
| 45390.0 | 48220.0 | 0.532 | 192.1 | -6.3 | -0.39 | 1.409 | 72.3 | 0.968 | 27.776 | 36.1 | 160.0 | 0.896D | 54.656A | 0.92 | 0.259 | 164.7 | 144.5 | -77.0 | 0.286 |
| | | 11.51 | 6.33 | 17.84 | ONE | 20.229 | 198.2 | 66.1 | 33.2 | | | | | | | | | | |
| 45400.0 | 48220.0 | 0.608 | 191.8 | -5.9 | -0.36 | 1.407 | 66.9 | 0.969 | 27.258 | 46.9 | 160.8 | 0.837D | 53.678A | 0.84 | 0.257 | 165.1 | 145.6 | -76.6 | 0.287 |
| | | 13.41 | 6.34 | 19.75 | ONE | 20.229 | 198.2 | 66.1 | 33.7 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2448320.0 | | | | | | | | | | | |
| 45310.0 | 48320.0 | 0.590 | 221.9 | -14.4 | 0.77 | 1.409 | 111.6 | 0.961 | 21.708 | 315.8 | 522.1 | 0.849 | 42.567A | 0.0 | 0.238 | 163.8 | 147.5 | -75.6 | 0.270 |
| | | 12.95 | 6.07 | 19.02 | TWO | 19.924 | 197.3 | 65.0 | 36.0 | | | | | | | | | | |
| 45320.0 | 48320.0 | 0.526 | 223.2 | -13.2 | 1.23 | 1.410 | 107.0 | 0.960 | 22.272 | 325.3 | 521.4 | 0.898 | 43.646A | -0.49 | 0.241 | 163.5 | 145.8 | -76.0 | 0.271 |
| | | 11.36 | 6.08 | 17.43 | TWO | 19.924 | 197.3 | 65.0 | 35.4 | | | | | | | | | | |
| 45330.0 | 48320.0 | 0.473 | 224.2 | -6.8 | 3.30 | 1.411 | 102.3 | 0.959 | 22.755 | 334.9 | 520.8 | 0.938 | 44.572A | -2.59 | 0.243 | 163.3 | 142.9 | -76.0 | 0.271 |
| | | 10.10 | 6.09 | 16.19 | TWO | 19.924 | 197.3 | 65.0 | 34.9 | | | | | | | | | | |
| 45340.0 | 48320.0 | 0.435 | 212.6 | -29.0 | -4.60 | 1.411 | 97.5 | 0.958 | 23.134 | 344.7 | 520.4 | 0.966 | 45.302A | 5.28 | 0.244 | 163.2 | 149.5 | -77.4 | 0.272 |
| | | 9.22 | 6.09 | 15.31 | ONE | 19.924 | 197.3 | 65.0 | 34.7 | | | | | | | | | | |
| 45350.0 | 48320.0 | 0.400 | 210.4 | -17.5 | -1.37 | 1.411 | 92.6 | 0.958 | 23.391 | 354.6 | 520.2 | 0.982 | 45.801A | 2.02 | 0.245 | 163.1 | 145.7 | -77.1 | 0.272 |
| | | 8.43 | 6.10 | 14.53 | ONE | 19.924 | 197.3 | 65.0 | 34.4 | | | | | | | | | | |
| 45360.0 | 48320.0 | 0.397 | 204.3 | -13.2 | -0.82 | 1.410 | 87.7 | 0.958 | 23.515 | 4.7 | 160.1 | 0.983D | 46.046A | 1.44 | 0.246 | 163.1 | 144.9 | -77.1 | 0.272 |
| | | 8.37 | 6.10 | 14.48 | ONE | 19.924 | 197.3 | 65.0 | 34.3 | | | | | | | | | | |
| 45370.0 | 48320.0 | 0.420 | 198.4 | -9.9 | -0.60 | 1.409 | 82.6 | 0.959 | 23.502 | 15.0 | 160.3 | 0.969D | 46.034A | 1.19 | 0.245 | 163.2 | 144.9 | -77.0 | 0.273 |
| | | 8.88 | 6.11 | 14.99 | ONE | 19.924 | 197.3 | 65.0 | 34.4 | | | | | | | | | | |
| 45380.0 | 48320.0 | 0.466 | 194.1 | -7.6 | -0.48 | 1.408 | 77.5 | 0.960 | 23.360 | 25.5 | 160.6 | 0.940D | 45.779A | 1.04 | 0.245 | 163.4 | 145.3 | -76.8 | 0.273 |
| | | 9.93 | 6.11 | 16.04 | ONE | 19.924 | 197.3 | 65.0 | 34.6 | | | | | | | | | | |
| 45390.0 | 48320.0 | 0.529 | 192.0 | -6.3 | -0.42 | 1.406 | 72.3 | 0.961 | 23.104 | 36.1 | 161.1 | 0.896D | 45.311A | 0.93 | 0.244 | 163.8 | 146.0 | -76.5 | 0.273 |
| | | 11.44 | 6.12 | 17.56 | ONE | 19.924 | 197.3 | 65.0 | 35.0 | | | | | | | | | | |
| 45400.0 | 48320.0 | 0.605 | 191.8 | -5.9 | -0.38 | 1.404 | 67.0 | 0.963 | 22.756 | 46.9 | 161.9 | 0.838D | 44.673A | 0.85 | 0.243 | 164.2 | 147.0 | -76.1 | 0.274 |
| | | 13.33 | 6.13 | 19.46 | ONE | 19.924 | 197.3 | 65.0 | 35.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448420.0 | | | | | | | | | | | |
| 45310.0 | 48420.0 | 0.586 | 222.0 | -14.4 | 0.77 | 1.406 | 111.6 | 0.956 | 19.161 | 315.7 | 523.2 | 0.849 | 37.472A | 0.0 | 0.225 | 162.9 | 148.9 | -75.0 | 0.259 |
| | | 12.90 | 5.89 | 18.79 | TWO | 18.523 | 196.4 | 63.9 | 37.7 | | | | | | | | | | |
| 45320.0 | 48420.0 | 0.524 | 223.2 | -13.3 | 1.20 | 1.408 | 107.0 | 0.954 | 19.566 | 325.2 | 522.5 | 0.898 | 38.235A | -0.46 | 0.227 | 162.6 | 147.2 | -75.4 | 0.259 |
| | | 11.30 | 5.90 | 17.20 | TWO | 18.523 | 196.4 | 63.9 | 37.2 | | | | | | | | | | |
| 45330.0 | 48420.0 | 0.470 | 223.9 | -7.9 | 2.88 | 1.408 | 102.3 | 0.953 | 19.910 | 334.8 | 521.9 | 0.938 | 38.883A | -2.17 | 0.229 | 162.3 | 144.7 | -75.5 | 0.260 |
| | | 10.02 | 5.91 | 15.93 | TWO | 18.523 | 196.4 | 63.9 | 36.7 | | | | | | | | | | |
| 45340.0 | 48420.0 | 0.443 | 210.4 | -34.7 | -6.51 | 1.409 | 97.5 | 0.952 | 20.177 | 344.7 | 521.5 | 0.966 | 39.388A | 7.19 | 0.231 | 162.2 | 153.2 | -77.1 | 0.261 |
| | | 9.40 | 5.92 | 15.32 | ONE | 18.523 | 196.4 | 63.9 | 36.5 | | | | | | | | | | |
| 45350.0 | 48420.0 | 0.398 | 210.2 | -18.1 | -1.54 | 1.409 | 92.6 | 0.952 | 20.355 | 354.6 | 521.3 | 0.982 | 39.729A | 2.19 | 0.231 | 162.1 | 147.4 | -76.7 | 0.260 |
| | | 8.39 | 5.92 | 14.31 | ONE | 18.523 | 196.4 | 63.9 | 36.2 | | | | | | | | | | |
| 45360.0 | 48420.0 | 0.395 | 204.2 | -13.5 | -0.89 | 1.408 | 87.7 | 0.952 | 20.438 | 4.7 | 161.3 | 0.983D | 39.893A | 1.50 | 0.232 | 162.1 | 146.6 | -76.6 | 0.261 |
| | | 8.33 | 5.92 | 14.25 | ONE | 18.523 | 196.4 | 63.9 | 36.1 | | | | | | | | | | |
| 45370.0 | 48420.0 | 0.418 | 198.3 | -10.1 | -0.64 | 1.407 | 82.7 | 0.953 | 20.424 | 15.0 | 161.4 | 0.969D | 39.878A | 1.22 | 0.232 | 162.3 | 146.5 | -76.5 | 0.261 |
| | | 8.83 | 5.93 | 14.76 | ONE | 18.523 | 196.4 | 63.9 | 36.2 | | | | | | | | | | |
| 45380.0 | 48420.0 | 0.463 | 194.1 | -7.7 | -0.51 | 1.406 | 77.6 | 0.954 | 20.317 | 25.5 | 161.7 | 0.941D | 39.694A | 1.06 | 0.231 | 162.5 | 146.8 | -76.3 | 0.261 |
| | | 9.87 | 5.93 | 15.80 | ONE | 18.523 | 196.4 | 63.9 | 36.4 | | | | | | | | | | |
| 45390.0 | 48420.0 | 0.526 | 192.0 | -6.4 | -0.44 | 1.404 | 72.4 | 0.955 | 20.129 | 36.1 | 162.2 | 0.897D | 39.361A | 0.95 | 0.230 | 162.8 | 147.5 | -76.0 | 0.262 |
| | | 11.37 | 5.94 | 17.31 | ONE | 18.523 | 196.4 | 63.9 | 36.7 | | | | | | | | | | |
| 45400.0 | 48420.0 | 0.601 | 191.8 | -6.0 | -0.40 | 1.402 | 67.1 | 0.958 | 19.873 | 46.8 | 162.9 | 0.839D | 38.908A | 0.86 | 0.229 | 163.3 | 148.5 | -75.6 | 0.263 |
| | | 13.24 | 5.95 | 19.19 | ONE | 18.523 | 196.4 | 63.9 | 37.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448520.0 | | | | | | | | | | | |
| 45310.0 | 48520.0 | 0.587 | 222.1 | -14.4 | 0.77 | 1.404 | 111.6 | 0.951 | 17.363 | 315.6 | 524.2 | 0.848 | 33.878A | 0.0 | 0.212 | 161.9 | 150.3 | -74.4 | 0.249 |
| | | 12.87 | 5.74 | 18.61 | TWO | 19.240 | 195.7 | 62.8 | 39.6 | | | | | | | | | | |
| 45320.0 | 48520.0 | 0.522 | 223.3 | -13.4 | 1.17 | 1.406 | 107.0 | 0.949 | 17.672 | 325.1 | 523.5 | 0.898 | 34.447A | -0.43 | 0.215 | 161.6 | 148.7 | -74.9 | 0.249 |
| | | 11.26 | 5.74 | 17.01 | TWO | 19.240 | 195.7 | 62.8 | 39.0 | | | | | | | | | | |
| 45330.0 | 48520.0 | 0.468 | 223.7 | -8.7 | 2.58 | 1.406 | 102.3 | 0.948 | 17.933 | 334.8 | 523.0 | 0.938 | 34.927A | -1.87 | 0.216 | 161.3 | 146.4 | -75.0 | 0.249 |
| | | 9.97 | 5.75 | 15.71 | TWO | 19.240 | 195.7 | 62.8 | 38.5 | | | | | | | | | | |
| 45340.0 | 48520.0 | 0.474 | 205.4 | -45.9 | -10.56 | 1.407 | 97.5 | 0.947 | 18.133 | 344.6 | 522.6 | 0.966 | 35.299A | 11.24 | 0.218 | 161.2 | 159.5 | -76.9 | 0.251 |
| | | 10.11 | 5.77 | 15.88 | ONE | 19.240 | 195.7 | 62.8 | 38.5 | | | | | | | | | | |
| 45350.0 | 48520.0 | 0.396 | 210.0 | -18.9 | -1.75 | 1.407 | 92.6 | 0.946 | 18.265 | 354.6 | 522.4 | 0.981 | 35.548A | 2.39 | 0.219 | 161.1 | 149.2 | -76.2 | 0.250 |
| | | 8.35 | 5.76 | 14.11 | ONE | 19.240 | 195.7 | 62.8 | 38.0 | | | | | | | | | | |
| 45360.0 | 48520.0 | 0.393 | 204.1 | -13.8 | -0.97 | 1.406 | 87.7 | 0.946 | 18.324 | 4.7 | 162.4 | 0.983D | 35.666A | 1.58 | 0.219 | 161.1 | 148.2 | -76.1 | 0.250 |
| | | 8.28 | 5.76 | 14.04 | ONE | 19.240 | 195.7 | 62.8 | 37.9 | | | | | | | | | | |
| 45370.0 | 48520.0 | 0.416 | 198.3 | -10.2 | -0.69 | 1.405 | 82.7 | 0.947 | 18.310 | 15.0 | 162.5 | 0.970D | 35.651A | 1.26 | 0.219 | 161.2 | 148.1 | -76.0 | 0.250 |
| | | 8.78 | 5.77 | 14.55 | ONE | 19.240 | 195.7 | 62.8 | 38.0 | | | | | | | | | | |
| 45380.0 | 48520.0 | 0.461 | 194.1 | -7.8 | -0.54 | 1.404 | 77.6 | 0.948 | 18.226 | 25.4 | 162.8 | 0.941D | 35.511A | 1.08 | 0.219 | 161.5 | 148.4 | -75.8 | 0.251 |
| | | 9.81 | 5.77 | 15.58 | ONE | 19.240 | 195.7 | 62.8 | 38.2 | | | | | | | | | | |
| 45390.0 | 48520.0 | 0.523 | 192.1 | -6.5 | -0.46 | 1.402 | 72.5 | 0.950 | 18.079 | 36.0 | 163.3 | 0.898D | 35.261A | 0.96 | 0.218 | 161.8 | 149.0 | -75.4 | 0.251 |
| | | 11.30 | 5.78 | 17.08 | ONE | 19.240 | 195.7 | 62.8 | 38.5 | | | | | | | | | | |
| 45400.0 | 48520.0 | 0.598 | 191.9 | -6.1 | -0.41 | 1.400 | 67.3 | 0.953 | 17.880 | 46.7 | 163.9 | 0.840D | 34.921A | 0.87 | 0.216 | 162.3 | 149.9 | -75.0 | 0.252 |
| | | 13.15 | 5.79 | 18.94 | ONE | 19.240 | 195.7 | 62.8 | 39.0 | | | | | | | | | | |

1983
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2448620.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48620.0 | 0.586 | 222.3 | -14.5 | 0.77 | 1.403 | 111.6 | 0.947 | 16.033 | 315.4 | 525.1 | 0.847 | 31.220A | 0.0 | 0.200 | 160.8 | 151.6 | -73.8 | 0.239 |
| | | 12.85 | 5.60 | 18.45 | TWO | 20.482 | 194.9 | 61.7 | 41.5 | | | | | | | | | | |
| 45320.0 | 48620.0 | 0.521 | 223.5 | -13.5 | 1.14 | 1.404 | 107.0 | 0.945 | 16.280 | 325.0 | 524.5 | 0.897 | 31.662A | -0.41 | 0.203 | 160.5 | 150.1 | -74.3 | 0.239 |
| | | 11.24 | 5.60 | 16.84 | TWO | 20.482 | 194.9 | 61.7 | 40.8 | | | | | | | | | | |
| 45330.0 | 48620.0 | 0.466 | 223.7 | -9.4 | 2.35 | 1.405 | 102.3 | 0.943 | 16.485 | 334.6 | 524.0 | 0.937 | 32.033A | -1.65 | 0.205 | 160.2 | 148.0 | -74.5 | 0.240 |
| | | 9.93 | 5.61 | 15.53 | TWO | 20.482 | 194.9 | 61.7 | 40.3 | | | | | | | | | | |
| 45350.0 | 48620.0 | 0.395 | 209.8 | -19.8 | -2.00 | 1.405 | 92.7 | 0.941 | 16.746 | 354.5 | 523.4 | 0.981 | 32.510A | 2.63 | 0.207 | 160.0 | 151.0 | -75.6 | 0.240 |
| | | 8.33 | 5.61 | 13.94 | ONE | 20.482 | 194.9 | 61.7 | 39.8 | | | | | | | | | | |
| 45360.0 | 48620.0 | 0.391 | 204.2 | -14.1 | -1.06 | 1.404 | 87.8 | 0.941 | 16.791 | 4.6 | 163.4 | 0.983D | 32.598A | 1.66 | 0.207 | 160.0 | 149.9 | -75.5 | 0.240 |
| | | 8.25 | 5.62 | 13.86 | ONE | 20.482 | 194.9 | 61.7 | 39.7 | | | | | | | | | | |
| 45370.0 | 48620.0 | 0.414 | 198.4 | -10.5 | -0.73 | 1.403 | 82.8 | 0.942 | 16.777 | 14.9 | 163.5 | 0.970D | 32.585A | 1.30 | 0.207 | 160.1 | 149.6 | -75.4 | 0.241 |
| | | 8.74 | 5.62 | 14.36 | ONE | 20.482 | 194.9 | 61.7 | 39.8 | | | | | | | | | | |
| 45380.0 | 48620.0 | 0.458 | 194.3 | -8.0 | -0.58 | 1.402 | 77.7 | 0.944 | 16.708 | 25.3 | 163.8 | 0.942D | 32.475A | 1.10 | 0.207 | 160.4 | 149.9 | -75.2 | 0.241 |
| | | 9.75 | 5.63 | 15.38 | ONE | 20.482 | 194.9 | 61.7 | 40.0 | | | | | | | | | | |
| 45390.0 | 48620.0 | 0.520 | 192.2 | -6.6 | -0.49 | 1.400 | 72.6 | 0.946 | 16.589 | 35.8 | 164.3 | 0.899D | 32.280A | 0.98 | 0.206 | 160.7 | 150.5 | -74.9 | 0.242 |
| | | 11.22 | 5.64 | 16.86 | ONE | 20.482 | 194.9 | 61.7 | 40.4 | | | | | | | | | | |
| 45400.0 | 48620.0 | 0.594 | 192.1 | -6.2 | -0.43 | 1.398 | 67.4 | 0.949 | 16.428 | 46.5 | 164.9 | 0.842D | 32.015A | 0.88 | 0.204 | 161.2 | 151.3 | -74.4 | 0.242 |
| | | 13.06 | 5.65 | 18.70 | ONE | 20.482 | 194.9 | 61.7 | 40.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448720.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48720.0 | 0.586 | 222.5 | -14.5 | 0.77 | 1.401 | 111.7 | 0.944 | 15.916 | 315.2 | 526.0 | 0.846 | 29.186A | 0.0 | 0.189 | 159.7 | 152.9 | -73.1 | 0.231 |
| | | 12.84 | 5.48 | 18.32 | TWO | 19.497 | 194.3 | 60.7 | 43.4 | | | | | | | | | | |
| 45320.0 | 48720.0 | 0.520 | 223.7 | -13.7 | 1.12 | 1.402 | 107.1 | 0.941 | 15.218 | 324.8 | 525.4 | 0.897 | 29.540A | -0.38 | 0.192 | 159.4 | 151.5 | -73.6 | 0.231 |
| | | 11.23 | 5.48 | 16.71 | TWO | 19.497 | 194.3 | 60.7 | 42.7 | | | | | | | | | | |
| 45330.0 | 48720.0 | 0.465 | 223.7 | -10.0 | 2.17 | 1.403 | 102.4 | 0.939 | 15.386 | 334.5 | 525.0 | 0.937 | 29.836A | -1.47 | 0.194 | 159.1 | 149.6 | -73.9 | 0.231 |
| | | 9.90 | 5.48 | 15.38 | TWO | 19.497 | 194.3 | 60.7 | 42.2 | | | | | | | | | | |
| 45350.0 | 48720.0 | 0.395 | 209.7 | -20.9 | -2.30 | 1.403 | 92.7 | 0.937 | 15.598 | 354.3 | 524.4 | 0.981 | 30.214A | 2.93 | 0.196 | 158.9 | 152.8 | -75.0 | 0.231 |
| | | 8.32 | 5.49 | 13.80 | ONE | 19.497 | 194.3 | 60.7 | 41.6 | | | | | | | | | | |
| 45360.0 | 48720.0 | 0.390 | 204.3 | -14.6 | -1.15 | 1.403 | 87.8 | 0.937 | 15.633 | 4.4 | 164.4 | 0.983D | 30.284A | 1.75 | 0.196 | 158.9 | 151.4 | -74.9 | 0.231 |
| | | 8.21 | 5.49 | 13.70 | ONE | 19.497 | 194.3 | 60.7 | 41.5 | | | | | | | | | | |
| 45370.0 | 48720.0 | 0.411 | 198.6 | -10.7 | -0.79 | 1.402 | 82.9 | 0.938 | 15.621 | 14.7 | 164.5 | 0.970D | 30.272A | 1.34 | 0.196 | 159.0 | 151.1 | -74.8 | 0.232 |
| | | 8.69 | 5.49 | 14.18 | ONE | 19.497 | 194.3 | 60.7 | 41.6 | | | | | | | | | | |
| 45380.0 | 48720.0 | 0.456 | 194.4 | -8.2 | -0.61 | 1.400 | 77.8 | 0.939 | 15.563 | 25.1 | 164.8 | 0.942D | 30.184A | 1.13 | 0.195 | 159.2 | 151.3 | -74.6 | 0.232 |
| | | 9.69 | 5.50 | 15.19 | ONE | 19.497 | 194.3 | 60.7 | 41.8 | | | | | | | | | | |
| 45390.0 | 48720.0 | 0.517 | 192.4 | -6.8 | -0.51 | 1.399 | 72.7 | 0.942 | 15.464 | 35.6 | 165.2 | 0.900D | 30.027A | 0.99 | 0.194 | 159.6 | 151.9 | -74.2 | 0.233 |
| | | 11.14 | 5.51 | 16.65 | ONE | 19.497 | 194.3 | 60.7 | 42.2 | | | | | | | | | | |
| 45400.0 | 48720.0 | 0.590 | 192.2 | -6.3 | -0.45 | 1.397 | 67.6 | 0.945 | 15.329 | 46.2 | 165.8 | 0.843D | 29.815A | 0.89 | 0.193 | 160.1 | 152.6 | -73.8 | 0.234 |
| | | 12.96 | 5.52 | 18.48 | ONE | 19.497 | 194.3 | 60.7 | 42.7 | | | | | | | | | | |
| ARRIVAL DATE = 2448820.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48820.0 | 0.586 | 222.7 | -14.6 | 0.77 | 1.400 | 111.8 | 0.941 | 14.217 | 314.9 | 526.9 | 0.845 | 27.538A | 0.0 | 0.179 | 158.5 | 154.2 | -72.4 | 0.223 |
| | | 12.85 | 5.37 | 18.22 | TWO | 18.533 | 193.6 | 59.6 | 45.3 | | | | | | | | | | |
| 45320.0 | 48820.0 | 0.520 | 224.0 | -13.8 | 1.10 | 1.401 | 107.1 | 0.938 | 14.387 | 324.5 | 526.3 | 0.896 | 27.878A | -0.36 | 0.181 | 158.2 | 152.8 | -72.9 | 0.223 |
| | | 11.23 | 5.37 | 16.60 | TWO | 18.533 | 193.6 | 59.6 | 44.6 | | | | | | | | | | |
| 45330.0 | 48820.0 | 0.464 | 223.9 | -10.5 | 2.03 | 1.402 | 102.4 | 0.936 | 14.528 | 334.3 | 525.9 | 0.936 | 28.120A | -1.33 | 0.183 | 157.9 | 151.0 | -73.2 | 0.223 |
| | | 9.89 | 5.37 | 15.25 | TWO | 18.533 | 193.6 | 59.6 | 44.1 | | | | | | | | | | |
| 45340.0 | 48820.0 | 0.533 | 236.3 | 27.8 | 16.06 | 1.402 | 97.7 | 0.934 | 14.635 | 344.1 | 525.5 | 0.965 | 28.306A | -15.40 | 0.184 | 157.7 | 139.8 | -70.7 | 0.225 |
| | | 11.54 | 5.40 | 16.95 | TWO | 18.533 | 193.6 | 59.6 | 44.4 | | | | | | | | | | |
| 45350.0 | 48820.0 | 0.394 | 209.6 | -22.3 | -2.68 | 1.402 | 92.8 | 0.933 | 14.705 | 354.1 | 525.3 | 0.981 | 28.428A | 3.30 | 0.185 | 157.6 | 154.6 | -74.4 | 0.223 |
| | | 8.32 | 5.37 | 13.69 | ONE | 18.533 | 193.6 | 59.6 | 43.5 | | | | | | | | | | |
| 45360.0 | 48820.0 | 0.388 | 204.5 | -15.1 | -1.26 | 1.401 | 87.9 | 0.933 | 14.734 | 4.3 | 165.3 | 0.983D | 28.485A | 1.85 | 0.186 | 157.7 | 153.0 | -74.3 | 0.223 |
| | | 8.18 | 5.37 | 13.55 | ONE | 18.533 | 193.6 | 59.6 | 43.4 | | | | | | | | | | |
| 45370.0 | 48820.0 | 0.409 | 198.8 | -11.0 | -0.84 | 1.400 | 83.0 | 0.934 | 14.723 | 14.5 | 165.4 | 0.971D | 28.475A | 1.39 | 0.186 | 157.8 | 152.6 | -74.2 | 0.223 |
| | | 8.64 | 5.38 | 14.02 | ONE | 18.533 | 193.6 | 59.6 | 43.5 | | | | | | | | | | |
| 45380.0 | 48820.0 | 0.453 | 194.6 | -8.4 | -0.65 | 1.399 | 78.0 | 0.936 | 14.673 | 24.9 | 165.7 | 0.943D | 28.403A | 1.16 | 0.185 | 158.0 | 152.7 | -73.9 | 0.224 |
| | | 9.63 | 5.38 | 15.01 | ONE | 18.533 | 193.6 | 59.6 | 43.7 | | | | | | | | | | |
| 45390.0 | 48820.0 | 0.514 | 192.6 | -6.9 | -0.54 | 1.397 | 72.9 | 0.938 | 14.588 | 35.4 | 166.1 | 0.901D | 28.275A | 1.01 | 0.184 | 158.4 | 153.2 | -73.6 | 0.225 |
| | | 11.06 | 5.39 | 16.46 | ONE | 18.533 | 193.6 | 59.6 | 44.1 | | | | | | | | | | |
| 45400.0 | 48820.0 | 0.587 | 192.4 | -6.5 | -0.47 | 1.395 | 67.8 | 0.942 | 14.473 | 46.0 | 166.6 | 0.845D | 28.101A | 0.90 | 0.182 | 158.9 | 153.9 | -73.1 | 0.225 |
| | | 12.86 | 5.40 | 18.27 | ONE | 18.533 | 193.6 | 59.6 | 44.6 | | | | | | | | | | |
| ARRIVAL DATE = 2448920.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 48920.0 | 0.587 | 223.0 | -14.7 | 0.77 | 1.399 | 111.9 | 0.938 | 13.576 | 314.6 | 527.7 | 0.843 | 26.308A | 0.0 | 0.169 | 157.3 | 155.4 | -71.6 | 0.216 |
| | | 12.87 | 5.27 | 18.14 | TWO | 19.821 | 193.1 | 58.5 | 47.2 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45320.0 | 48920.0 | 0.521 | 224.2 | -13.9 | 1.08 | 1.400 | 107.3 | 0.935 | 13.722 | 324.3 | 527.2 | 0.895 | 26.550A | -0.35 | 0.171 | 156.9 | 154.1 | -72.2 | 0.215 |
| | | 11.24 | 5.27 | 16.51 | TWO | 19.821 | 193.1 | 58.5 | 46.6 | | | | | | | | | | |
| 45330.0 | 48920.0 | 0.464 | 224.1 | -10.9 | 1.91 | 1.401 | 102.5 | 0.932 | 13.843 | 334.0 | 526.7 | 0.935 | 26.751A | -1.21 | 0.173 | 156.6 | 152.4 | -72.5 | 0.215 |
| | | 9.88 | 5.27 | 15.15 | TWO | 19.821 | 193.1 | 58.5 | 46.0 | | | | | | | | | | |
| 45340.0 | 48920.0 | 0.466 | 229.0 | 12.5 | 9.39 | 1.401 | 97.8 | 0.931 | 13.935 | 343.8 | 526.4 | 0.965 | 26.906A | -8.74 | 0.175 | 156.5 | 145.4 | -71.5 | 0.216 |
| | | 9.79 | 5.28 | 15.07 | TWO | 19.821 | 193.1 | 58.5 | 45.9 | | | | | | | | | | |
| 45350.0 | 48920.0 | 0.395 | 209.3 | -24.0 | -3.16 | 1.401 | 92.9 | 0.930 | 13.994 | 353.9 | 526.2 | 0.981 | 27.008A | 3.78 | 0.176 | 156.4 | 156.5 | -73.8 | 0.216 |
| | | 8.33 | 5.27 | 13.60 | ONE | 19.821 | 193.1 | 58.5 | 45.4 | | | | | | | | | | |
| 45360.0 | 48920.0 | 0.387 | 204.7 | -15.6 | -1.38 | 1.400 | 88.1 | 0.930 | 14.019 | 4.0 | 166.2 | 0.983D | 27.055A | 1.96 | 0.176 | 156.4 | 154.4 | -73.6 | 0.216 |
| | | 8.15 | 5.27 | 13.42 | ONE | 19.821 | 193.1 | 58.5 | 45.3 | | | | | | | | | | |
| 45370.0 | 48920.0 | 0.407 | 199.1 | -11.4 | -0.90 | 1.399 | 83.1 | 0.931 | 14.009 | 14.3 | 166.3 | 0.971D | 27.047A | 1.44 | 0.176 | 156.5 | 154.0 | -73.5 | 0.216 |
| | | 8.60 | 5.27 | 13.87 | ONE | 19.821 | 193.1 | 58.5 | 45.4 | | | | | | | | | | |
| 45380.0 | 48920.0 | 0.450 | 194.9 | -8.6 | -0.68 | 1.398 | 78.1 | 0.932 | 13.966 | 24.6 | 166.5 | 0.944D | 26.987A | 1.19 | 0.175 | 156.8 | 154.1 | -73.3 | 0.216 |
| | | 9.57 | 5.28 | 14.85 | ONE | 19.821 | 193.1 | 58.5 | 45.6 | | | | | | | | | | |
| 45390.0 | 48920.0 | 0.510 | 192.9 | -7.1 | -0.57 | 1.396 | 73.1 | 0.935 | 13.892 | 35.1 | 166.9 | 0.903D | 26.881A | 1.03 | 0.174 | 157.1 | 154.5 | -72.9 | 0.217 |
| | | 10.98 | 5.29 | 16.27 | ONE | 19.821 | 193.1 | 58.5 | 46.0 | | | | | | | | | | |
| 45400.0 | 48920.0 | 0.583 | 192.7 | -6.6 | -0.50 | 1.394 | 68.0 | 0.939 | 13.792 | 45.6 | 167.4 | 0.848D | 26.736A | 0.91 | 0.173 | 157.7 | 155.1 | -72.4 | 0.218 |
| | | 12.76 | 5.30 | 18.07 | ONE | 19.821 | 193.1 | 58.5 | 46.5 | | | | | | | | | | |

ARRIVAL DATE = 2449020.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45310.0 | 49020.0 | 0.588 | 223.3 | -14.8 | 0.77 | 1.398 | 112.0 | 0.936 | 13.054 | 314.3 | 528.5 | 0.842 | 25.266A | 0.0 | 0.160 | 155.9 | 156.5 | -70.9 | 0.209 |
| | | 12.90 | 5.18 | 18.09 | TWO | 20.474 | 192.5 | 57.4 | 49.2 | | | | | | | | | | |
| 45320.0 | 49020.0 | 0.522 | 224.6 | -14.1 | 1.06 | 1.399 | 107.4 | 0.932 | 13.182 | 323.9 | 528.0 | 0.893 | 25.470A | -0.33 | 0.162 | 155.6 | 155.3 | -71.4 | 0.209 |
| | | 11.26 | 5.18 | 16.44 | TWO | 20.474 | 192.5 | 57.4 | 48.5 | | | | | | | | | | |
| 45330.0 | 49020.0 | 0.464 | 224.4 | -11.3 | 1.81 | 1.399 | 102.7 | 0.930 | 13.287 | 333.7 | 527.6 | 0.934 | 25.640A | -1.12 | 0.164 | 155.3 | 153.8 | -71.8 | 0.209 |
| | | 9.89 | 5.18 | 15.07 | TWO | 20.474 | 192.5 | 57.4 | 48.0 | | | | | | | | | | |
| 45340.0 | 49020.0 | 0.440 | 226.6 | 5.1 | 6.74 | 1.400 | 97.9 | 0.928 | 13.367 | 343.6 | 527.3 | 0.964 | 25.771A | -6.09 | 0.165 | 155.1 | 148.7 | -71.3 | 0.209 |
| | | 9.32 | 5.18 | 14.51 | TWO | 20.474 | 192.5 | 57.4 | 47.7 | | | | | | | | | | |
| 45350.0 | 49020.0 | 0.397 | 208.9 | -26.3 | -3.82 | 1.400 | 93.1 | 0.927 | 13.419 | 353.6 | 527.1 | 0.981 | 25.857A | 4.43 | 0.166 | 155.0 | 158.5 | -73.2 | 0.209 |
| | | 8.37 | 5.18 | 13.55 | ONE | 20.474 | 192.5 | 57.4 | 47.4 | | | | | | | | | | |
| 45360.0 | 49020.0 | 0.386 | 205.0 | -16.3 | -1.51 | 1.399 | 88.2 | 0.927 | 13.440 | 3.7 | 167.0 | 0.983D | 25.897A | 2.09 | 0.167 | 155.0 | 155.9 | -72.9 | 0.209 |
| | | 8.13 | 5.18 | 13.31 | ONE | 20.474 | 192.5 | 57.4 | 47.3 | | | | | | | | | | |
| 45370.0 | 49020.0 | 0.405 | 199.4 | -11.8 | -0.96 | 1.398 | 83.3 | 0.928 | 13.431 | 14.0 | 167.1 | 0.972D | 25.891A | 1.50 | 0.167 | 155.2 | 155.3 | -72.8 | 0.209 |
| | | 8.55 | 5.18 | 13.74 | ONE | 20.474 | 192.5 | 57.4 | 47.3 | | | | | | | | | | |
| 45380.0 | 49020.0 | 0.448 | 195.3 | -8.9 | -0.72 | 1.397 | 78.3 | 0.929 | 13.393 | 24.3 | 167.3 | 0.945D | 25.841A | 1.22 | 0.166 | 155.4 | 155.4 | -72.5 | 0.209 |
| | | 9.50 | 5.19 | 14.69 | ONE | 20.474 | 192.5 | 57.4 | 47.6 | | | | | | | | | | |
| 45390.0 | 49020.0 | 0.507 | 193.2 | -7.3 | -0.59 | 1.395 | 73.3 | 0.932 | 13.328 | 34.7 | 167.7 | 0.905D | 25.752A | 1.04 | 0.165 | 155.8 | 155.7 | -72.2 | 0.210 |
| | | 10.90 | 5.20 | 16.10 | ONE | 20.474 | 192.5 | 57.4 | 47.9 | | | | | | | | | | |
| 45400.0 | 49020.0 | 0.579 | 193.0 | -6.8 | -0.52 | 1.393 | 68.2 | 0.936 | 13.240 | 45.3 | 168.2 | 0.850D | 25.630A | 0.92 | 0.163 | 156.3 | 156.3 | -71.7 | 0.211 |
| | | 12.66 | 5.21 | 17.87 | ONE | 20.474 | 192.5 | 57.4 | 48.5 | | | | | | | | | | |

ARRIVAL DATE = 2449120.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45310.0 | 49120.0 | 0.590 | 223.6 | -14.9 | 0.77 | 1.397 | 112.2 | 0.933 | 12.623 | 313.9 | 529.3 | 0.840 | 24.406A | 0.0 | 0.151 | 154.5 | 157.6 | -70.1 | 0.203 |
| | | 12.94 | 5.11 | 18.05 | TWO | 19.069 | 192.0 | 56.3 | 51.2 | | | | | | | | | | |
| 45320.0 | 49120.0 | 0.523 | 224.9 | -14.2 | 1.05 | 1.398 | 107.5 | 0.930 | 12.736 | 323.6 | 528.8 | 0.891 | 24.581A | -0.32 | 0.154 | 154.1 | 156.4 | -70.7 | 0.203 |
| | | 11.29 | 5.10 | 16.39 | TWO | 19.069 | 192.0 | 56.3 | 50.5 | | | | | | | | | | |
| 45330.0 | 49120.0 | 0.465 | 224.7 | -11.7 | 1.73 | 1.398 | 102.8 | 0.927 | 12.830 | 333.4 | 528.4 | 0.933 | 24.727A | -1.04 | 0.155 | 153.9 | 155.0 | -71.1 | 0.202 |
| | | 9.91 | 5.10 | 15.01 | TWO | 19.069 | 192.0 | 56.3 | 50.0 | | | | | | | | | | |
| 45340.0 | 49120.0 | 0.432 | 225.5 | 0.9 | 5.32 | 1.399 | 98.1 | 0.925 | 12.901 | 343.2 | 528.1 | 0.963 | 24.838A | -4.67 | 0.157 | 153.7 | 151.1 | -70.8 | 0.202 |
| | | 9.14 | 5.10 | 14.24 | TWO | 19.069 | 192.0 | 56.3 | 49.6 | | | | | | | | | | |
| 45350.0 | 49120.0 | 0.401 | 208.3 | -29.5 | -4.74 | 1.399 | 93.2 | 0.924 | 12.946 | 353.3 | 527.9 | 0.980 | 24.912A | 5.35 | 0.158 | 153.6 | 160.7 | -72.5 | 0.202 |
| | | 8.46 | 5.10 | 13.56 | ONE | 19.069 | 192.0 | 56.3 | 49.4 | | | | | | | | | | |
| 45360.0 | 49120.0 | 0.385 | 205.3 | -17.0 | -1.66 | 1.398 | 88.4 | 0.924 | 12.965 | 3.4 | 167.8 | 0.984D | 24.947A | 2.23 | 0.158 | 153.6 | 157.2 | -72.2 | 0.202 |
| | | 8.11 | 5.10 | 13.21 | ONE | 19.069 | 192.0 | 56.3 | 49.2 | | | | | | | | | | |
| 45370.0 | 49120.0 | 0.403 | 199.8 | -12.2 | -1.03 | 1.397 | 83.4 | 0.925 | 12.957 | 13.6 | 167.9 | 0.972D | 24.942A | 1.56 | 0.158 | 153.7 | 156.6 | -72.1 | 0.203 |
| | | 8.51 | 5.10 | 13.61 | ONE | 19.069 | 192.0 | 56.3 | 49.3 | | | | | | | | | | |
| 45380.0 | 49120.0 | 0.445 | 195.6 | -9.2 | -0.76 | 1.396 | 78.5 | 0.927 | 12.923 | 24.0 | 168.1 | 0.947D | 24.900A | 1.25 | 0.157 | 154.0 | 156.6 | -71.8 | 0.203 |
| | | 9.44 | 5.11 | 14.55 | ONE | 19.069 | 192.0 | 56.3 | 49.5 | | | | | | | | | | |
| 45390.0 | 49120.0 | 0.504 | 193.5 | -7.6 | -0.62 | 1.394 | 73.5 | 0.930 | 12.866 | 34.4 | 168.4 | 0.906D | 24.825A | 1.06 | 0.156 | 154.4 | 156.9 | -71.4 | 0.204 |
| | | 10.82 | 5.12 | 15.94 | ONE | 19.069 | 192.0 | 56.3 | 49.9 | | | | | | | | | | |
| 45400.0 | 49120.0 | 0.574 | 193.3 | -7.0 | -0.54 | 1.392 | 68.4 | 0.933 | 12.787 | 44.9 | 168.9 | 0.853D | 24.721A | 0.93 | 0.155 | 154.9 | 157.4 | -70.9 | 0.205 |
| | | 12.56 | 5.13 | 17.69 | ONE | 19.069 | 192.0 | 56.3 | 50.4 | | | | | | | | | | |

ARRIVAL DATE = 2449220.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45310.0 | 49220.0 | 0.592 | 224.0 | -15.0 | 0.77 | 1.396 | 112.4 | 0.932 | 12.263 | 313.5 | 530.0 | 0.837 | 23.690A | 0.0 | 0.143 | 153.0 | 158.6 | -69.2 | 0.198 |
| | | 13.00 | 5.04 | 18.03 | TWO | 18.804 | 191.5 | 55.2 | 53.2 | | | | | | | | | | |

1983
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45320.0 | 49220.0 | 0.525 | 225.3 | -14.4 | 1.04 | 1.397 | 107.7 | 0.928 | 12.365 | 323.2 | 529.5 | 0.890 | 23.841A | -0.31 | 0.145 | 152.6 | 157.5 | -69.9 | 0.197 |
| | | 11.33 | 5.03 | 16.36 | TWO | 18.804 | 191.5 | 55.2 | 52.5 | | | | | | | | | | |
| 45330.0 | 49220.0 | 0.466 | 225.1 | -12.1 | 1.65 | 1.398 | 103.0 | 0.925 | 12.449 | 333.0 | 529.1 | 0.932 | 23.966A | -0.97 | 0.147 | 152.4 | 156.2 | -70.3 | 0.197 |
| | | 9.93 | 5.03 | 14.96 | TWO | 18.804 | 191.5 | 55.2 | 52.0 | | | | | | | | | | |
| 45340.0 | 49220.0 | 0.428 | 225.1 | -2.0 | 4.44 | 1.398 | 98.2 | 0.923 | 12.513 | 342.9 | 528.8 | 0.962 | 24.063A | -3.79 | 0.149 | 152.2 | 153.0 | -70.2 | 0.197 |
| | | 9.05 | 5.03 | 14.08 | TWO | 18.804 | 191.5 | 55.2 | 51.6 | | | | | | | | | | |
| 45350.0 | 49220.0 | 0.409 | 206.9 | -34.1 | -6.14 | 1.398 | 93.4 | 0.922 | 12.554 | 352.9 | 528.7 | 0.980 | 24.127A | 6.74 | 0.150 | 152.1 | 163.3 | -71.8 | 0.197 |
| | | 8.63 | 5.03 | 13.66 | ONE | 18.804 | 191.5 | 55.2 | 51.4 | | | | | | | | | | |
| 45360.0 | 49220.0 | 0.384 | 205.7 | -17.8 | -1.84 | 1.397 | 88.5 | 0.922 | 12.571 | 3.1 | 168.6 | 0.984D | 24.158A | 2.40 | 0.150 | 152.1 | 158.6 | -71.5 | 0.196 |
| | | 8.09 | 5.03 | 13.12 | ONE | 18.804 | 191.5 | 55.2 | 51.2 | | | | | | | | | | |
| 45370.0 | 49220.0 | 0.401 | 200.3 | -12.6 | -1.16 | 1.396 | 83.6 | 0.923 | 12.564 | 13.3 | 168.7 | 0.973D | 24.154A | 1.62 | 0.150 | 152.2 | 157.8 | -71.3 | 0.197 |
| | | 8.47 | 5.03 | 13.50 | ONE | 18.804 | 191.5 | 55.2 | 51.2 | | | | | | | | | | |
| 45380.0 | 49220.0 | 0.442 | 196.1 | -9.5 | -0.81 | 1.395 | 78.7 | 0.924 | 12.533 | 23.6 | 168.9 | 0.948D | 24.119A | 1.28 | 0.149 | 152.5 | 157.7 | -71.1 | 0.197 |
| | | 9.38 | 5.03 | 14.41 | ONE | 18.804 | 191.5 | 55.2 | 51.5 | | | | | | | | | | |
| 45390.0 | 49220.0 | 0.500 | 193.9 | -7.8 | -0.65 | 1.393 | 73.7 | 0.927 | 12.481 | 34.0 | 169.2 | 0.908D | 24.055A | 1.08 | 0.148 | 152.9 | 157.9 | -70.7 | 0.198 |
| | | 10.73 | 5.04 | 15.78 | ONE | 18.804 | 191.5 | 55.2 | 51.8 | | | | | | | | | | |
| 45400.0 | 49220.0 | 0.570 | 193.6 | -7.2 | -0.56 | 1.391 | 68.6 | 0.931 | 12.411 | 44.4 | 169.6 | 0.855D | 23.966A | 0.95 | 0.146 | 153.4 | 158.4 | -70.2 | 0.199 |
| | | 12.45 | 5.06 | 17.51 | ONE | 18.804 | 191.5 | 55.2 | 52.3 | | | | | | | | | | |
| 45410.0 | 49220.0 | 0.649 | 194.9 | -7.4 | -0.51 | 1.389 | 63.5 | 0.936 | 12.324 | 54.9 | 170.1 | 0.790D | 23.858A | 0.84 | 0.144 | 154.1 | 159.0 | -69.6 | 0.200 |
| | | 14.45 | 5.07 | 19.53 | ONE | 18.804 | 191.5 | 55.2 | 53.0 | | | | | | | | | | |

ARRIVAL DATE = 2449320.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45310.0 | 49320.0 | 0.594 | 224.4 | -15.1 | 0.77 | 1.395 | 112.6 | 0.930 | 11.961 | 313.1 | 530.7 | 0.835 | 23.088A | 0.0 | 0.135 | 151.5 | 159.5 | -68.4 | 0.193 |
| | | 13.06 | 4.98 | 18.03 | TWO | 20.324 | 191.0 | 54.1 | 55.3 | | | | | | | | | | |
| 45320.0 | 49320.0 | 0.527 | 225.7 | -14.6 | 1.02 | 1.396 | 107.9 | 0.926 | 12.053 | 322.8 | 530.2 | 0.888 | 23.219A | -0.29 | 0.138 | 151.1 | 158.5 | -69.0 | 0.192 |
| | | 11.38 | 4.97 | 16.35 | TWO | 20.324 | 191.0 | 54.1 | 54.5 | | | | | | | | | | |
| 45330.0 | 49320.0 | 0.467 | 225.6 | -12.4 | 1.59 | 1.397 | 103.1 | 0.923 | 12.130 | 332.6 | 529.8 | 0.930 | 23.329A | -0.90 | 0.140 | 150.8 | 157.3 | -69.5 | 0.191 |
| | | 9.96 | 4.96 | 14.93 | TWO | 20.324 | 191.0 | 54.1 | 54.0 | | | | | | | | | | |
| 45340.0 | 49320.0 | 0.426 | 225.0 | -4.0 | 3.83 | 1.397 | 98.4 | 0.921 | 12.187 | 342.5 | 529.6 | 0.961 | 23.413A | -3.19 | 0.141 | 150.6 | 154.6 | -69.5 | 0.191 |
| | | 9.01 | 4.96 | 13.98 | TWO | 20.324 | 191.0 | 54.1 | 53.6 | | | | | | | | | | |
| 45350.0 | 49320.0 | 0.427 | 204.1 | -41.3 | -8.51 | 1.397 | 93.6 | 0.920 | 12.224 | 352.6 | 529.4 | 0.980 | 23.469A | 9.11 | 0.142 | 150.5 | 166.9 | -71.2 | 0.192 |
| | | 9.03 | 4.97 | 14.00 | ONE | 20.324 | 191.0 | 54.1 | 53.5 | | | | | | | | | | |
| 45360.0 | 49320.0 | 0.384 | 206.0 | -18.8 | -2.04 | 1.396 | 88.7 | 0.920 | 12.240 | 2.7 | 169.3 | 0.984D | 23.496A | 2.60 | 0.142 | 150.5 | 159.8 | -70.7 | 0.191 |
| | | 8.08 | 4.96 | 13.04 | ONE | 20.324 | 191.0 | 54.1 | 53.2 | | | | | | | | | | |
| 45370.0 | 49320.0 | 0.400 | 200.7 | -13.2 | -1.18 | 1.395 | 83.8 | 0.920 | 12.234 | 12.9 | 169.4 | 0.974D | 23.494A | 1.70 | 0.142 | 150.6 | 158.9 | -70.5 | 0.191 |
| | | 8.43 | 4.96 | 13.39 | ONE | 20.324 | 191.0 | 54.1 | 53.2 | | | | | | | | | | |
| 45380.0 | 49320.0 | 0.439 | 196.5 | -9.9 | -0.85 | 1.394 | 78.9 | 0.922 | 12.207 | 23.2 | 169.6 | 0.949D | 23.464A | 1.32 | 0.141 | 150.9 | 158.8 | -70.3 | 0.192 |
| | | 9.31 | 4.97 | 14.28 | ONE | 20.324 | 191.0 | 54.1 | 53.4 | | | | | | | | | | |
| 45390.0 | 49320.0 | 0.496 | 194.3 | -8.1 | -0.68 | 1.392 | 73.9 | 0.925 | 12.160 | 33.5 | 169.9 | 0.910D | 23.409A | 1.11 | 0.140 | 151.3 | 159.0 | -69.9 | 0.193 |
| | | 10.65 | 4.98 | 15.63 | ONE | 20.324 | 191.0 | 54.1 | 53.8 | | | | | | | | | | |
| 45400.0 | 49320.0 | 0.566 | 194.0 | -7.4 | -0.58 | 1.390 | 68.9 | 0.929 | 12.095 | 44.0 | 170.2 | 0.858D | 23.333A | 0.96 | 0.139 | 151.8 | 159.4 | -69.4 | 0.194 |
| | | 12.35 | 4.99 | 17.34 | ONE | 20.324 | 191.0 | 54.1 | 54.3 | | | | | | | | | | |
| 45410.0 | 49320.0 | 0.644 | 195.2 | -7.6 | -0.53 | 1.388 | 63.8 | 0.934 | 12.017 | 54.4 | 170.7 | 0.794D | 23.240A | 0.85 | 0.137 | 152.5 | 159.9 | -68.8 | 0.195 |
| | | 14.33 | 5.01 | 19.34 | ONE | 20.324 | 191.0 | 54.1 | 54.9 | | | | | | | | | | |

ARRIVAL DATE = 2449420.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45310.0 | 49420.0 | 0.597 | 224.8 | -15.3 | 0.77 | 1.394 | 112.8 | 0.929 | 11.705 | 312.6 | 531.3 | 0.832 | 22.579A | 0.0 | 0.128 | 149.8 | 160.4 | -67.6 | 0.188 |
| | | 13.12 | 4.92 | 18.05 | TWO | 20.225 | 190.6 | 53.0 | 57.3 | | | | | | | | | | |
| 45320.0 | 49420.0 | 0.529 | 226.2 | -14.7 | 1.01 | 1.396 | 108.1 | 0.925 | 11.790 | 322.3 | 530.9 | 0.886 | 22.694A | -0.28 | 0.131 | 149.4 | 159.5 | -68.2 | 0.187 |
| | | 11.43 | 4.91 | 16.35 | TWO | 20.225 | 190.6 | 53.0 | 56.6 | | | | | | | | | | |
| 45330.0 | 49420.0 | 0.469 | 226.0 | -12.7 | 1.53 | 1.396 | 103.3 | 0.922 | 11.859 | 332.2 | 530.5 | 0.929 | 22.790A | -0.85 | 0.132 | 149.1 | 158.3 | -68.7 | 0.187 |
| | | 10.00 | 4.91 | 14.91 | TWO | 20.225 | 190.6 | 53.0 | 56.0 | | | | | | | | | | |
| 45340.0 | 49420.0 | 0.425 | 225.1 | -5.5 | 3.40 | 1.396 | 98.6 | 0.919 | 11.912 | 342.1 | 530.3 | 0.960 | 22.864A | -2.76 | 0.134 | 148.9 | 156.0 | -68.8 | 0.186 |
| | | 9.00 | 4.90 | 13.91 | TWO | 20.225 | 190.6 | 53.0 | 55.6 | | | | | | | | | | |
| 45350.0 | 49420.0 | 0.477 | 196.4 | -54.0 | -13.39 | 1.396 | 93.7 | 0.918 | 11.946 | 352.2 | 530.1 | 0.979 | 22.914A | 13.98 | 0.135 | 148.8 | 173.1 | -70.5 | 0.189 |
| | | 10.20 | 4.93 | 15.13 | ONE | 20.225 | 190.6 | 53.0 | 55.8 | | | | | | | | | | |
| 45360.0 | 49420.0 | 0.383 | 206.4 | -19.9 | -2.28 | 1.396 | 88.9 | 0.918 | 11.961 | 2.3 | 170.0 | 0.984D | 22.938A | 2.83 | 0.135 | 148.8 | 161.1 | -69.9 | 0.186 |
| | | 8.07 | 4.90 | 12.98 | ONE | 20.225 | 190.6 | 53.0 | 55.2 | | | | | | | | | | |
| 45370.0 | 49420.0 | 0.398 | 201.3 | -13.7 | -1.27 | 1.395 | 84.0 | 0.918 | 11.956 | 12.5 | 170.1 | 0.975D | 22.937A | 1.78 | 0.135 | 148.9 | 160.0 | -69.8 | 0.187 |
| | | 8.39 | 4.91 | 13.29 | ONE | 20.225 | 190.6 | 53.0 | 55.2 | | | | | | | | | | |
| 45380.0 | 49420.0 | 0.436 | 197.0 | -10.3 | -0.90 | 1.393 | 79.1 | 0.920 | 11.931 | 22.7 | 170.3 | 0.951D | 22.911A | 1.36 | 0.134 | 149.2 | 159.8 | -69.5 | 0.187 |
| | | 9.25 | 4.91 | 14.16 | ONE | 20.225 | 190.6 | 53.0 | 55.4 | | | | | | | | | | |
| 45390.0 | 49420.0 | 0.493 | 194.7 | -8.4 | -0.71 | 1.392 | 74.1 | 0.923 | 11.888 | 33.1 | 170.5 | 0.913D | 22.864A | 1.13 | 0.133 | 149.6 | 159.9 | -69.1 | 0.188 |
| | | 10.56 | 4.92 | 15.48 | ONE | 20.225 | 190.6 | 53.0 | 55.8 | | | | | | | | | | |
| 45400.0 | 49420.0 | 0.562 | 194.4 | -7.7 | -0.61 | 1.390 | 69.1 | 0.927 | 11.829 | 43.5 | 170.9 | 0.861D | 22.798A | 0.97 | 0.132 | 150.1 | 160.3 | -68.6 | 0.189 |
| | | 12.24 | 4.93 | 17.17 | ONE | 20.225 | 190.6 | 53.0 | 56.3 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45410.0 | 49420.0 | 0.639 | 195.6 | -7.8 | -0.54 | 1.388 | 64.1 | 0.932 | 11.757 | 53.9 | 171.3 | 0.797D | 22.717A | 0.85 | 0.130 | 150.8 | 160.7 | -68.0 | 0.191 |
| | | 14.20 | 4.95 | 19.15 | ONE | 20.225 | 190.6 | 53.0 | 56.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449520.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 49520.0 | 0.600 | 225.2 | -15.4 | 0.77 | 1.394 | 113.0 | 0.928 | 11.488 | 312.1 | 531.9 | 0.829 | 22.146A | 0.0 | 0.121 | 148.0 | 161.2 | -66.7 | 0.184 |
| | | 13.20 | 4.88 | 18.08 | TWO | 18.769 | 190.2 | 52.0 | 59.3 | | | | | | | | | | |
| 45320.0 | 49520.0 | 0.531 | 226.7 | -14.9 | 1.00 | 1.395 | 108.3 | 0.924 | 11.565 | 321.9 | 531.5 | 0.883 | 22.247A | -0.27 | 0.124 | 147.6 | 160.3 | -67.4 | 0.183 |
| | | 11.49 | 4.86 | 16.36 | TWO | 18.769 | 190.2 | 52.0 | 58.6 | | | | | | | | | | |
| 45330.0 | 49520.0 | 0.471 | 226.6 | -13.0 | 1.48 | 1.396 | 103.5 | 0.920 | 11.630 | 331.7 | 531.2 | 0.927 | 22.332A | -0.80 | 0.126 | 147.3 | 159.3 | -67.8 | 0.182 |
| | | 10.05 | 4.86 | 14.90 | TWO | 18.769 | 190.2 | 52.0 | 58.0 | | | | | | | | | | |
| 45340.0 | 49520.0 | 0.426 | 225.4 | -6.8 | 3.06 | 1.396 | 98.8 | 0.918 | 11.678 | 341.6 | 530.9 | 0.959 | 22.397A | -2.43 | 0.127 | 147.1 | 157.3 | -68.0 | 0.182 |
| | | 9.01 | 4.85 | 13.86 | TWO | 18.769 | 190.2 | 52.0 | 57.6 | | | | | | | | | | |
| 45360.0 | 49520.0 | 0.383 | 206.8 | -21.1 | -2.57 | 1.395 | 89.1 | 0.916 | 11.724 | 1.8 | 170.7 | 0.984D | 22.464A | 3.12 | 0.128 | 147.0 | 162.3 | -69.2 | 0.182 |
| | | 8.08 | 4.85 | 12.93 | ONE | 18.769 | 190.2 | 52.0 | 57.2 | | | | | | | | | | |
| 45370.0 | 49520.0 | 0.396 | 201.8 | -14.3 | -1.36 | 1.394 | 84.3 | 0.917 | 11.719 | 12.0 | 170.8 | 0.976D | 22.463A | 1.87 | 0.128 | 147.1 | 161.0 | -69.0 | 0.182 |
| | | 8.35 | 4.85 | 13.20 | ONE | 18.769 | 190.2 | 52.0 | 57.2 | | | | | | | | | | |
| 45380.0 | 49520.0 | 0.433 | 197.6 | -10.7 | -0.95 | 1.393 | 79.3 | 0.919 | 11.697 | 22.3 | 170.9 | 0.952D | 22.442A | 1.41 | 0.128 | 147.4 | 160.7 | -68.7 | 0.183 |
| | | 9.18 | 4.86 | 14.04 | ONE | 18.769 | 190.2 | 52.0 | 57.4 | | | | | | | | | | |
| 45390.0 | 49520.0 | 0.489 | 195.2 | -8.7 | -0.75 | 1.391 | 74.4 | 0.922 | 11.658 | 32.6 | 171.1 | 0.915D | 22.401A | 1.15 | 0.126 | 147.8 | 160.8 | -68.3 | 0.184 |
| | | 10.47 | 4.87 | 15.34 | ONE | 18.769 | 190.2 | 52.0 | 57.7 | | | | | | | | | | |
| 45400.0 | 49520.0 | 0.557 | 194.8 | -7.9 | -0.63 | 1.389 | 69.4 | 0.926 | 11.604 | 43.0 | 171.5 | 0.864D | 22.343A | 0.99 | 0.125 | 148.3 | 161.1 | -67.9 | 0.185 |
| | | 12.13 | 4.88 | 17.01 | ONE | 18.769 | 190.2 | 52.0 | 58.2 | | | | | | | | | | |
| 45410.0 | 49520.0 | 0.634 | 196.0 | -8.0 | -0.56 | 1.387 | 64.3 | 0.931 | 11.537 | 53.4 | 171.9 | 0.801D | 22.273A | 0.86 | 0.123 | 149.0 | 161.5 | -67.3 | 0.186 |
| | | 14.07 | 4.90 | 18.97 | ONE | 18.769 | 190.2 | 52.0 | 58.8 | | | | | | | | | | |
| ARRIVAL DATE = 2449620.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 49620.0 | 0.603 | 225.6 | -15.5 | 0.77 | 1.393 | 113.2 | 0.927 | 11.301 | 311.6 | 532.5 | 0.826 | 21.777A | 0.0 | 0.115 | 146.1 | 162.0 | -65.9 | 0.180 |
| | | 13.28 | 4.83 | 18.12 | TWO | 19.282 | 189.8 | 50.9 | 61.4 | | | | | | | | | | |
| 45320.0 | 49620.0 | 0.534 | 227.2 | -15.1 | 0.99 | 1.394 | 108.5 | 0.923 | 11.373 | 321.4 | 532.1 | 0.881 | 21.866A | -0.26 | 0.117 | 145.7 | 161.2 | -66.5 | 0.179 |
| | | 11.56 | 4.82 | 16.39 | TWO | 19.282 | 189.8 | 50.9 | 60.6 | | | | | | | | | | |
| 45330.0 | 49620.0 | 0.473 | 227.1 | -13.3 | 1.44 | 1.395 | 103.8 | 0.919 | 11.433 | 331.2 | 531.8 | 0.925 | 21.941A | -0.76 | 0.119 | 145.4 | 160.2 | -67.0 | 0.179 |
| | | 10.10 | 4.81 | 14.91 | TWO | 19.282 | 189.8 | 50.9 | 60.0 | | | | | | | | | | |
| 45340.0 | 49620.0 | 0.426 | 225.8 | -7.8 | 2.80 | 1.395 | 99.0 | 0.917 | 11.479 | 341.2 | 531.6 | 0.958 | 21.999A | -2.17 | 0.121 | 145.2 | 158.4 | -67.2 | 0.178 |
| | | 9.02 | 4.81 | 13.83 | TWO | 19.282 | 189.8 | 50.9 | 59.6 | | | | | | | | | | |
| 45360.0 | 49620.0 | 0.384 | 207.1 | -22.6 | -2.92 | 1.395 | 89.4 | 0.915 | 11.522 | 1.3 | 171.4 | 0.984D | 22.059A | 3.46 | 0.122 | 145.1 | 163.5 | -68.4 | 0.178 |
| | | 8.08 | 4.81 | 12.89 | ONE | 19.282 | 189.8 | 50.9 | 59.2 | | | | | | | | | | |
| 45370.0 | 49620.0 | 0.394 | 202.4 | -15.0 | -1.47 | 1.394 | 84.5 | 0.915 | 11.518 | 11.5 | 171.4 | 0.976D | 22.059A | 1.96 | 0.122 | 145.2 | 162.0 | -68.2 | 0.178 |
| | | 8.31 | 4.81 | 13.12 | ONE | 19.282 | 189.8 | 50.9 | 59.2 | | | | | | | | | | |
| 45380.0 | 49620.0 | 0.431 | 198.1 | -11.1 | -1.00 | 1.392 | 79.6 | 0.917 | 11.497 | 21.8 | 171.5 | 0.954D | 22.041A | 1.45 | 0.121 | 145.5 | 161.6 | -67.9 | 0.179 |
| | | 9.12 | 4.81 | 13.93 | ONE | 19.282 | 189.8 | 50.9 | 59.4 | | | | | | | | | | |
| 45390.0 | 49620.0 | 0.485 | 195.7 | -9.0 | -0.78 | 1.391 | 74.6 | 0.920 | 11.461 | 32.1 | 171.8 | 0.917D | 22.005A | 1.18 | 0.120 | 145.8 | 161.7 | -67.6 | 0.180 |
| | | 10.38 | 4.82 | 15.21 | ONE | 19.282 | 189.8 | 50.9 | 59.7 | | | | | | | | | | |
| 45400.0 | 49620.0 | 0.553 | 195.3 | -8.2 | -0.66 | 1.389 | 69.7 | 0.924 | 11.411 | 42.4 | 172.1 | 0.867D | 21.956A | 1.00 | 0.119 | 146.4 | 161.9 | -67.1 | 0.181 |
| | | 12.02 | 4.84 | 16.86 | ONE | 19.282 | 189.8 | 50.9 | 60.2 | | | | | | | | | | |
| 45410.0 | 49620.0 | 0.629 | 196.4 | -8.2 | -0.58 | 1.386 | 64.6 | 0.929 | 11.350 | 52.8 | 172.5 | 0.805D | 21.894A | 0.87 | 0.117 | 147.1 | 162.3 | -66.5 | 0.182 |
| | | 13.94 | 4.85 | 18.79 | ONE | 19.282 | 189.8 | 50.9 | 60.8 | | | | | | | | | | |
| ARRIVAL DATE = 2449720.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 49720.0 | 0.607 | 226.1 | -15.7 | 0.77 | 1.393 | 113.5 | 0.926 | 11.142 | 311.1 | 533.1 | 0.823 | 21.461A | 0.0 | 0.109 | 144.0 | 162.7 | -65.0 | 0.177 |
| | | 13.38 | 4.80 | 18.17 | TWO | 20.635 | 189.4 | 49.8 | 63.4 | | | | | | | | | | |
| 45320.0 | 49720.0 | 0.537 | 227.7 | -15.3 | 0.98 | 1.394 | 108.7 | 0.922 | 11.209 | 320.8 | 532.7 | 0.878 | 21.540A | -0.26 | 0.111 | 143.7 | 161.9 | -65.7 | 0.176 |
| | | 11.64 | 4.78 | 16.42 | TWO | 20.635 | 189.4 | 49.8 | 62.6 | | | | | | | | | | |
| 45330.0 | 49720.0 | 0.476 | 227.7 | -13.6 | 1.40 | 1.395 | 104.0 | 0.918 | 11.265 | 330.7 | 532.4 | 0.923 | 21.607A | -0.72 | 0.113 | 143.4 | 161.0 | -66.2 | 0.175 |
| | | 10.16 | 4.77 | 14.93 | TWO | 20.635 | 189.4 | 49.8 | 62.0 | | | | | | | | | | |
| 45340.0 | 49720.0 | 0.427 | 226.3 | -8.7 | 2.59 | 1.395 | 99.2 | 0.915 | 11.308 | 340.7 | 532.2 | 0.957 | 21.658A | -1.96 | 0.115 | 143.2 | 159.4 | -66.4 | 0.175 |
| | | 9.05 | 4.77 | 13.81 | TWO | 20.635 | 189.4 | 49.8 | 61.6 | | | | | | | | | | |
| 45350.0 | 49720.0 | 0.590 | 242.8 | 40.0 | 21.41 | 1.395 | 94.5 | 0.914 | 11.336 | 350.6 | 532.0 | 0.977 | 21.694A | -20.83 | 0.116 | 143.1 | 145.3 | -62.7 | 0.180 |
| | | 12.94 | 4.83 | 17.77 | TWO | 20.635 | 189.4 | 49.8 | 62.2 | | | | | | | | | | |
| 45360.0 | 49720.0 | 0.385 | 207.4 | -24.4 | -3.35 | 1.394 | 89.6 | 0.913 | 11.348 | 0.8 | 172.0 | 0.984D | 21.712A | 3.89 | 0.116 | 143.1 | 164.7 | -67.6 | 0.174 |
| | | 8.11 | 4.77 | 12.87 | ONE | 20.635 | 189.4 | 49.8 | 61.2 | | | | | | | | | | |
| 45370.0 | 49720.0 | 0.393 | 203.1 | -15.7 | -1.59 | 1.393 | 84.7 | 0.914 | 11.345 | 11.0 | 172.0 | 0.977D | 21.713A | 2.07 | 0.116 | 143.2 | 162.9 | -67.4 | 0.175 |
| | | 8.28 | 4.77 | 13.05 | ONE | 20.635 | 189.4 | 49.8 | 61.1 | | | | | | | | | | |
| 45380.0 | 49720.0 | 0.428 | 198.7 | -11.6 | -1.06 | 1.392 | 79.8 | 0.916 | 11.327 | 21.3 | 172.1 | 0.955D | 21.698A | 1.50 | 0.115 | 143.5 | 162.5 | -67.1 | 0.175 |
| | | 9.06 | 4.77 | 13.83 | ONE | 20.635 | 189.4 | 49.8 | 61.3 | | | | | | | | | | |
| 45390.0 | 49720.0 | 0.482 | 196.3 | -9.4 | -0.82 | 1.390 | 74.9 | 0.919 | 11.293 | 31.6 | 172.3 | 0.920D | 21.667A | 1.21 | 0.114 | 143.8 | 162.4 | -66.8 | 0.176 |
| | | 10.30 | 4.78 | 15.08 | ONE | 20.635 | 189.4 | 49.8 | 61.7 | | | | | | | | | | |

1983
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45400.0 | 49720.0 | 0.548 | 195.7 | -8.5 | -0.68 | 1.388 | 69.9 | 0.923 | 11.247 | 41.9 | 172.6 | 0.870D | 21.624A | 1.02 | 0.113 | 144.3 | 162.6 | -66.3 | 0.177 |
| | | 11.91 | 4.80 | 16.70 | ONE | 20.635 | 189.4 | 49.8 | 62.1 | | | | | | | | | | |
| 45410.0 | 49720.0 | 0.624 | 196.8 | -8.5 | -0.60 | 1.386 | 64.9 | 0.928 | 11.190 | 52.2 | 173.0 | 0.809D | 21.570A | 0.88 | 0.111 | 145.0 | 162.9 | -65.7 | 0.179 |
| | | 13.81 | 4.81 | 18.62 | ONE | 20.635 | 189.4 | 49.8 | 62.7 | | | | | | | | | | |
| ARRIVAL DATE = 2449820.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 49820.0 | 0.611 | 226.6 | -15.8 | 0.77 | 1.393 | 113.7 | 0.926 | 11.005 | 310.5 | 533.7 | 0.819 | 21.191A | 0.0 | 0.103 | 141.9 | 163.4 | -64.2 | 0.174 |
| | | 13.47 | 4.76 | 18.24 | TWO | 19.814 | 189.1 | 48.7 | 65.4 | | | | | | | | | | |
| 45320.0 | 49820.0 | 0.541 | 228.2 | -15.5 | 0.97 | 1.394 | 109.0 | 0.921 | 11.068 | 320.3 | 533.3 | 0.875 | 21.261A | -0.25 | 0.106 | 141.5 | 162.6 | -64.8 | 0.173 |
| | | 11.72 | 4.75 | 16.47 | TWO | 19.814 | 189.1 | 48.7 | 64.6 | | | | | | | | | | |
| 45330.0 | 49820.0 | 0.478 | 228.3 | -13.9 | 1.36 | 1.394 | 104.2 | 0.917 | 11.121 | 330.2 | 533.0 | 0.921 | 21.320A | -0.69 | 0.108 | 141.2 | 161.7 | -65.4 | 0.172 |
| | | 10.22 | 4.74 | 14.96 | TWO | 19.814 | 189.1 | 48.7 | 64.0 | | | | | | | | | | |
| 45340.0 | 49820.0 | 0.429 | 226.8 | -9.5 | 2.42 | 1.394 | 99.5 | 0.914 | 11.161 | 340.1 | 532.8 | 0.955 | 21.366A | -1.79 | 0.109 | 141.1 | 160.3 | -65.6 | 0.171 |
| | | 9.08 | 4.73 | 13.81 | TWO | 19.814 | 189.1 | 48.7 | 63.6 | | | | | | | | | | |
| 45350.0 | 49820.0 | 0.466 | 232.8 | 21.6 | 12.26 | 1.394 | 94.7 | 0.913 | 11.187 | 350.1 | 532.6 | 0.977 | 21.398A | -11.69 | 0.110 | 141.0 | 151.8 | -64.0 | 0.173 |
| | | 9.94 | 4.75 | 14.69 | TWO | 19.814 | 189.1 | 48.7 | 63.5 | | | | | | | | | | |
| 45360.0 | 49820.0 | 0.387 | 207.5 | -26.6 | -3.91 | 1.394 | 89.8 | 0.912 | 11.200 | 0.3 | 172.6 | 0.984D | 21.415A | 4.44 | 0.111 | 141.0 | 165.9 | -66.8 | 0.171 |
| | | 8.15 | 4.73 | 12.88 | ONE | 19.814 | 189.1 | 48.7 | 63.1 | | | | | | | | | | |
| 45370.0 | 49820.0 | 0.391 | 203.7 | -16.5 | -1.72 | 1.393 | 85.0 | 0.913 | 11.197 | 10.5 | 172.6 | 0.978D | 21.416A | 2.20 | 0.111 | 141.1 | 163.7 | -66.6 | 0.171 |
| | | 8.25 | 4.73 | 12.98 | ONE | 19.814 | 189.1 | 48.7 | 63.1 | | | | | | | | | | |
| 45380.0 | 49820.0 | 0.425 | 199.4 | -12.1 | -1.12 | 1.391 | 80.1 | 0.914 | 11.180 | 20.7 | 172.7 | 0.957D | 21.403A | 1.56 | 0.110 | 141.3 | 163.2 | -66.3 | 0.172 |
| | | 8.99 | 4.74 | 13.73 | ONE | 19.814 | 189.1 | 48.7 | 63.3 | | | | | | | | | | |
| 45390.0 | 49820.0 | 0.478 | 196.8 | -9.8 | -0.86 | 1.390 | 75.2 | 0.917 | 11.149 | 31.0 | 172.9 | 0.922D | 21.377A | 1.24 | 0.109 | 141.7 | 163.2 | -66.0 | 0.173 |
| | | 10.21 | 4.75 | 14.95 | ONE | 19.814 | 189.1 | 48.7 | 63.6 | | | | | | | | | | |
| 45400.0 | 49820.0 | 0.544 | 196.2 | -8.8 | -0.71 | 1.388 | 70.2 | 0.921 | 11.106 | 41.3 | 173.2 | 0.874D | 21.339A | 1.04 | 0.107 | 142.2 | 163.3 | -65.5 | 0.174 |
| | | 11.80 | 4.76 | 16.56 | ONE | 19.814 | 189.1 | 48.7 | 64.1 | | | | | | | | | | |
| 45410.0 | 49820.0 | 0.619 | 197.2 | -8.7 | -0.62 | 1.386 | 65.2 | 0.926 | 11.053 | 51.6 | 173.5 | 0.813D | 21.292A | 0.89 | 0.105 | 142.8 | 163.6 | -65.0 | 0.175 |
| | | 13.68 | 4.78 | 18.45 | ONE | 19.814 | 189.1 | 48.7 | 64.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449920.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 49920.0 | 0.615 | 227.0 | -15.9 | 0.77 | 1.392 | 114.0 | 0.925 | 10.887 | 309.9 | 534.2 | 0.816 | 20.959A | 0.0 | 0.098 | 139.6 | 164.0 | -63.3 | 0.172 |
| | | 13.58 | 4.73 | 18.31 | TWO | 18.696 | 188.7 | 47.6 | 67.3 | | | | | | | | | | |
| 45320.0 | 49920.0 | 0.544 | 228.8 | -15.7 | 0.96 | 1.393 | 109.3 | 0.920 | 10.947 | 319.7 | 533.9 | 0.872 | 21.021A | -0.24 | 0.101 | 139.2 | 163.3 | -64.0 | 0.170 |
| | | 11.81 | 4.72 | 16.53 | TWO | 18.696 | 188.7 | 47.6 | 66.6 | | | | | | | | | | |
| 45330.0 | 49920.0 | 0.481 | 228.9 | -14.2 | 1.33 | 1.394 | 104.5 | 0.916 | 10.996 | 329.6 | 533.6 | 0.919 | 21.074A | -0.66 | 0.103 | 139.0 | 162.4 | -64.5 | 0.169 |
| | | 10.29 | 4.71 | 15.00 | TWO | 18.696 | 188.7 | 47.6 | 66.0 | | | | | | | | | | |
| 45340.0 | 49920.0 | 0.431 | 227.4 | -10.2 | 2.27 | 1.394 | 99.7 | 0.914 | 11.034 | 339.6 | 533.3 | 0.954 | 21.115A | -1.65 | 0.104 | 138.8 | 161.2 | -64.8 | 0.169 |
| | | 9.12 | 4.70 | 13.82 | TWO | 18.696 | 188.7 | 47.6 | 65.5 | | | | | | | | | | |
| 45350.0 | 49920.0 | 0.431 | 229.7 | 11.8 | 8.66 | 1.394 | 94.9 | 0.912 | 11.060 | 349.6 | 533.2 | 0.976 | 21.144A | -8.09 | 0.105 | 138.7 | 155.4 | -64.0 | 0.169 |
| | | 9.13 | 4.71 | 13.84 | TWO | 18.696 | 188.7 | 47.6 | 65.4 | | | | | | | | | | |
| 45360.0 | 49920.0 | 0.390 | 207.4 | -29.3 | -4.65 | 1.393 | 90.1 | 0.911 | 11.072 | 359.8 | 533.1 | 0.984 | 21.159A | 5.18 | 0.106 | 138.8 | 167.3 | -66.1 | 0.168 |
| | | 8.22 | 4.70 | 12.92 | ONE | 18.696 | 188.7 | 47.6 | 65.1 | | | | | | | | | | |
| 45370.0 | 49920.0 | 0.390 | 204.4 | -17.3 | -1.87 | 1.392 | 85.3 | 0.912 | 11.070 | 10.0 | 173.2 | 0.979D | 21.161A | 2.34 | 0.105 | 138.9 | 164.5 | -65.8 | 0.168 |
| | | 8.22 | 4.70 | 12.92 | ONE | 18.696 | 188.7 | 47.6 | 65.1 | | | | | | | | | | |
| 45380.0 | 49920.0 | 0.422 | 200.1 | -12.6 | -1.19 | 1.391 | 80.4 | 0.913 | 11.054 | 20.2 | 173.3 | 0.959D | 21.150A | 1.62 | 0.105 | 139.1 | 163.9 | -65.6 | 0.169 |
| | | 8.93 | 4.70 | 13.63 | ONE | 18.696 | 188.7 | 47.6 | 65.2 | | | | | | | | | | |
| 45390.0 | 49920.0 | 0.474 | 197.4 | -10.2 | -0.90 | 1.389 | 75.5 | 0.916 | 11.026 | 30.4 | 173.4 | 0.925D | 21.127A | 1.27 | 0.104 | 139.4 | 163.8 | -65.2 | 0.170 |
| | | 10.12 | 4.71 | 14.83 | ONE | 18.696 | 188.7 | 47.6 | 65.5 | | | | | | | | | | |
| 45400.0 | 49920.0 | 0.539 | 196.7 | -9.1 | -0.74 | 1.387 | 70.5 | 0.920 | 10.986 | 40.7 | 173.7 | 0.877D | 21.094A | 1.06 | 0.102 | 139.9 | 163.9 | -64.8 | 0.171 |
| | | 11.68 | 4.73 | 16.41 | ONE | 18.696 | 188.7 | 47.6 | 66.0 | | | | | | | | | | |
| 45410.0 | 49920.0 | 0.613 | 197.7 | -8.9 | -0.64 | 1.385 | 65.6 | 0.925 | 10.935 | 51.0 | 174.0 | 0.818D | 21.053A | 0.90 | 0.100 | 140.5 | 164.2 | -64.2 | 0.173 |
| | | 13.54 | 4.74 | 18.29 | ONE | 18.696 | 188.7 | 47.6 | 66.5 | | | | | | | | | | |
| ARRIVAL DATE = 2450020.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 50020.0 | 0.619 | 227.5 | -16.1 | 0.77 | 1.392 | 114.3 | 0.925 | 10.786 | 309.3 | 534.7 | 0.812 | 20.761A | 0.0 | 0.093 | 137.1 | 164.5 | -62.5 | 0.169 |
| | | 13.69 | 4.71 | 18.39 | TWO | 19.855 | 188.4 | 46.5 | 69.3 | | | | | | | | | | |
| 45320.0 | 50020.0 | 0.548 | 229.3 | -15.8 | 0.95 | 1.393 | 109.5 | 0.920 | 10.843 | 319.2 | 534.4 | 0.869 | 20.816A | -0.23 | 0.096 | 136.8 | 163.9 | -63.2 | 0.168 |
| | | 11.90 | 4.69 | 16.60 | TWO | 19.855 | 188.4 | 46.5 | 68.6 | | | | | | | | | | |
| 45330.0 | 50020.0 | 0.484 | 229.5 | -14.5 | 1.30 | 1.394 | 104.8 | 0.916 | 10.890 | 329.1 | 534.1 | 0.917 | 20.863A | -0.63 | 0.098 | 136.6 | 163.1 | -63.7 | 0.167 |
| | | 10.36 | 4.68 | 15.04 | TWO | 19.855 | 188.4 | 46.5 | 67.9 | | | | | | | | | | |
| 45340.0 | 50020.0 | 0.433 | 228.1 | -10.8 | 2.15 | 1.394 | 100.0 | 0.913 | 10.926 | 339.0 | 533.9 | 0.952 | 20.899A | -1.53 | 0.099 | 136.4 | 161.9 | -64.1 | 0.166 |
| | | 9.17 | 4.67 | 13.84 | TWO | 19.855 | 188.4 | 46.5 | 67.5 | | | | | | | | | | |
| 45350.0 | 50020.0 | 0.418 | 229.5 | 5.9 | 6.75 | 1.394 | 95.2 | 0.911 | 10.950 | 349.1 | 533.8 | 0.975 | 20.925A | -6.18 | 0.100 | 136.4 | 157.6 | -63.6 | 0.166 |
| | | 8.82 | 4.67 | 13.50 | TWO | 19.855 | 188.4 | 46.5 | 67.2 | | | | | | | | | | |
| 45360.0 | 50020.0 | 0.396 | 206.8 | -33.0 | -5.69 | 1.393 | 90.4 | 0.910 | 10.962 | 359.2 | 533.7 | 0.984 | 20.939A | 6.21 | 0.101 | 136.4 | 168.9 | -65.4 | 0.166 |
| | | 8.34 | 4.67 | 13.01 | ONE | 19.855 | 188.4 | 46.5 | 67.1 | | | | | | | | | | |

1983
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45370.0 | 50020.0 | 0.389 | 205.1 | -18.2 | -2.33 | 1.392 | 85.5 | 0.911 | 10.961 | 9.4 | 173.7 | 0.980D | 20.942A | 2.50 | 0.101 | 136.5 | 165.3 | -65.0 | 0.166 |
| | | 8.19 | 4.67 | 12.86 | ONE | 19.855 | 188.4 | 46.5 | 67.0 | | | | | | | | | | |
| 45380.0 | 50020.0 | 0.420 | 200.8 | -13.2 | -1.26 | 1.391 | 80.7 | 0.912 | 10.946 | 19.6 | 173.8 | 0.960D | 20.932A | 1.68 | 0.100 | 136.7 | 164.6 | -64.8 | 0.166 |
| | | 8.87 | 4.67 | 13.54 | ONE | 19.855 | 188.4 | 46.5 | 67.2 | | | | | | | | | | |
| 45390.0 | 50020.0 | 0.470 | 198.1 | -10.6 | -0.94 | 1.389 | 75.8 | 0.915 | 10.920 | 29.8 | 173.9 | 0.927D | 20.913A | 1.30 | 0.099 | 137.0 | 164.4 | -64.5 | 0.167 |
| | | 10.03 | 4.68 | 14.71 | ONE | 19.855 | 188.4 | 46.5 | 67.4 | | | | | | | | | | |
| 45400.0 | 50020.0 | 0.535 | 197.3 | -9.4 | -0.77 | 1.387 | 70.8 | 0.919 | 10.882 | 40.1 | 174.2 | 0.880D | 20.884A | 1.08 | 0.097 | 137.4 | 164.5 | -64.0 | 0.168 |
| | | 11.57 | 4.70 | 16.27 | ONE | 19.855 | 188.4 | 46.5 | 67.9 | | | | | | | | | | |
| 45410.0 | 50020.0 | 0.608 | 198.2 | -9.2 | -0.66 | 1.385 | 65.9 | 0.924 | 10.835 | 50.4 | 174.5 | 0.822D | 20.849A | 0.92 | 0.095 | 138.1 | 164.7 | -63.5 | 0.170 |
| | | 13.41 | 4.72 | 18.12 | ONE | 19.855 | 188.4 | 46.5 | 68.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450220.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 50220.0 | 0.628 | 228.5 | -16.4 | 0.77 | 1.391 | 114.9 | 0.924 | 10.626 | 308.1 | 535.7 | 0.804 | 20.447A | 0.0 | 0.084 | 131.8 | 165.5 | -61.0 | 0.166 |
| | | 13.92 | 4.67 | 18.59 | TWO | 19.365 | 187.8 | 44.3 | 73.1 | | | | | | | | | | |
| 45320.0 | 50220.0 | 0.556 | 230.5 | -16.2 | 0.94 | 1.392 | 110.1 | 0.919 | 10.676 | 317.9 | 535.4 | 0.863 | 20.490A | -0.22 | 0.087 | 131.6 | 164.9 | -61.7 | 0.164 |
| | | 12.16 | 4.65 | 16.76 | TWO | 19.365 | 187.8 | 44.3 | 72.4 | | | | | | | | | | |
| 45330.0 | 50220.0 | 0.491 | 230.9 | -15.1 | 1.25 | 1.393 | 105.3 | 0.915 | 10.719 | 327.9 | 535.1 | 0.911 | 20.527A | -0.59 | 0.089 | 131.4 | 164.2 | -62.2 | 0.163 |
| | | 10.52 | 4.64 | 15.16 | TWO | 19.365 | 187.8 | 44.3 | 71.8 | | | | | | | | | | |
| 45340.0 | 50220.0 | 0.438 | 229.5 | -11.9 | 1.94 | 1.393 | 100.6 | 0.912 | 10.753 | 337.9 | 534.9 | 0.949 | 20.556A | -1.34 | 0.091 | 131.3 | 163.3 | -62.5 | 0.162 |
| | | 9.27 | 4.63 | 13.90 | TWO | 19.365 | 187.8 | 44.3 | 71.3 | | | | | | | | | | |
| 45350.0 | 50220.0 | 0.408 | 228.1 | -8.9 | 4.76 | 1.393 | 95.8 | 0.910 | 10.775 | 347.9 | 534.8 | 0.973 | 20.577A | -4.20 | 0.092 | 131.3 | 160.5 | -62.4 | 0.161 |
| | | 8.62 | 4.62 | 13.25 | TWO | 19.365 | 187.8 | 44.3 | 71.0 | | | | | | | | | | |
| 45360.0 | 50220.0 | 0.429 | 202.3 | -45.7 | -9.77 | 1.392 | 90.9 | 0.909 | 10.787 | 358.1 | 534.7 | 0.984 | 20.589A | 10.27 | 0.092 | 131.3 | 173.7 | -64.1 | 0.163 |
| | | 9.07 | 4.64 | 13.71 | ONE | 19.365 | 187.8 | 44.3 | 71.0 | | | | | | | | | | |
| 45370.0 | 50220.0 | 0.387 | 206.4 | -20.4 | -2.45 | 1.391 | 86.1 | 0.909 | 10.786 | 8.2 | 174.7 | 0.981D | 20.592A | 2.90 | 0.092 | 131.4 | 166.8 | -63.6 | 0.161 |
| | | 8.15 | 4.62 | 12.78 | ONE | 19.365 | 187.8 | 44.3 | 70.8 | | | | | | | | | | |
| 45380.0 | 50220.0 | 0.414 | 202.2 | -14.4 | -1.42 | 1.390 | 81.2 | 0.911 | 10.775 | 18.4 | 174.8 | 0.964D | 20.586A | 1.83 | 0.092 | 131.6 | 165.8 | -63.3 | 0.162 |
| | | 8.75 | 4.63 | 13.38 | ONE | 19.365 | 187.8 | 44.3 | 70.9 | | | | | | | | | | |
| 45390.0 | 50220.0 | 0.463 | 199.4 | -11.4 | -1.03 | 1.388 | 76.4 | 0.913 | 10.752 | 28.6 | 174.9 | 0.932D | 20.571A | 1.38 | 0.091 | 131.8 | 165.5 | -63.0 | 0.163 |
| | | 9.85 | 4.64 | 14.49 | ONE | 19.365 | 187.8 | 44.3 | 71.2 | | | | | | | | | | |
| 45400.0 | 50220.0 | 0.525 | 198.4 | -10.0 | -0.83 | 1.387 | 71.5 | 0.917 | 10.718 | 38.8 | 175.1 | 0.887D | 20.550A | 1.12 | 0.089 | 132.2 | 165.5 | -62.6 | 0.164 |
| | | 11.34 | 4.65 | 15.99 | ONE | 19.365 | 187.8 | 44.3 | 71.6 | | | | | | | | | | |
| 45410.0 | 50220.0 | 0.598 | 199.2 | -9.7 | -0.71 | 1.384 | 66.5 | 0.922 | 10.676 | 49.1 | 175.4 | 0.830D | 20.523A | 0.94 | 0.087 | 132.7 | 165.7 | -62.1 | 0.166 |
| | | 13.14 | 4.67 | 17.81 | ONE | 19.365 | 187.8 | 44.3 | 72.1 | | | | | | | | | | |
| ARRIVAL DATE = 2450420.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 50420.0 | 0.638 | 229.6 | -16.7 | 0.77 | 1.391 | 115.5 | 0.924 | 10.509 | 306.7 | 536.5 | 0.795 | 20.223A | 0.0 | 0.077 | 125.8 | 166.4 | -59.6 | 0.163 |
| | | 14.18 | 4.64 | 18.82 | TWO | 20.385 | 187.2 | 42.2 | 76.8 | | | | | | | | | | |
| 45320.0 | 50420.0 | 0.565 | 231.7 | -16.6 | 0.92 | 1.392 | 110.7 | 0.919 | 10.556 | 316.6 | 536.3 | 0.855 | 20.256A | -0.21 | 0.080 | 125.7 | 165.8 | -60.2 | 0.161 |
| | | 12.33 | 4.62 | 16.95 | TWO | 20.385 | 187.2 | 42.2 | 76.1 | | | | | | | | | | |
| 45330.0 | 50420.0 | 0.499 | 232.3 | -15.6 | 1.20 | 1.393 | 105.9 | 0.915 | 10.595 | 326.6 | 536.1 | 0.906 | 20.284A | -0.54 | 0.082 | 125.7 | 165.2 | -60.8 | 0.160 |
| | | 10.71 | 4.61 | 15.31 | TWO | 20.385 | 187.2 | 42.2 | 75.5 | | | | | | | | | | |
| 45340.0 | 50420.0 | 0.443 | 231.0 | -12.9 | 1.79 | 1.393 | 101.1 | 0.911 | 10.626 | 336.6 | 535.9 | 0.945 | 20.307A | -1.19 | 0.084 | 125.7 | 164.4 | -61.1 | 0.159 |
| | | 9.40 | 4.60 | 14.00 | TWO | 20.385 | 187.2 | 42.2 | 75.0 | | | | | | | | | | |
| 45350.0 | 50420.0 | 0.407 | 228.9 | -8.8 | 3.74 | 1.393 | 96.3 | 0.909 | 10.647 | 346.7 | 535.8 | 0.971 | 20.324A | -3.19 | 0.085 | 125.7 | 162.4 | -61.1 | 0.158 |
| | | 8.60 | 4.59 | 13.19 | TWO | 20.385 | 187.2 | 42.2 | 74.7 | | | | | | | | | | |
| 45370.0 | 50420.0 | 0.386 | 207.7 | -23.1 | -3.12 | 1.391 | 86.7 | 0.908 | 10.660 | 7.0 | 175.7 | 0.982D | 20.337A | 3.46 | 0.085 | 125.8 | 168.2 | -62.2 | 0.158 |
| | | 8.14 | 4.59 | 12.73 | ONE | 20.385 | 187.2 | 42.2 | 74.5 | | | | | | | | | | |
| 45380.0 | 50420.0 | 0.409 | 203.8 | -15.8 | -1.62 | 1.390 | 81.8 | 0.909 | 10.650 | 17.1 | 175.7 | 0.967D | 20.333A | 2.01 | 0.085 | 126.0 | 166.9 | -61.9 | 0.158 |
| | | 8.64 | 4.59 | 13.23 | ONE | 20.385 | 187.2 | 42.2 | 74.6 | | | | | | | | | | |
| 45390.0 | 50420.0 | 0.455 | 200.8 | -12.4 | -1.13 | 1.388 | 77.0 | 0.912 | 10.630 | 27.3 | 175.8 | 0.937D | 20.322A | 1.46 | 0.084 | 126.2 | 166.5 | -61.6 | 0.159 |
| | | 9.68 | 4.60 | 14.28 | ONE | 20.385 | 187.2 | 42.2 | 74.8 | | | | | | | | | | |
| 45400.0 | 50420.0 | 0.516 | 199.6 | -10.7 | -0.89 | 1.386 | 72.1 | 0.916 | 10.600 | 37.5 | 176.0 | 0.894D | 20.307A | 1.17 | 0.082 | 126.4 | 166.4 | -61.3 | 0.160 |
| | | 11.12 | 4.61 | 15.73 | ONE | 20.385 | 187.2 | 42.2 | 75.2 | | | | | | | | | | |
| 45410.0 | 50420.0 | 0.587 | 200.2 | -10.3 | -0.75 | 1.384 | 67.2 | 0.921 | 10.563 | 47.7 | 176.2 | 0.839D | 20.286A | 0.97 | 0.080 | 126.8 | 166.5 | -60.8 | 0.162 |
| | | 12.87 | 4.63 | 17.50 | ONE | 20.385 | 187.2 | 42.2 | 75.6 | | | | | | | | | | |
| ARRIVAL DATE = 2450620.0 | | | | | | | | | | | | | | | | | | | |
| 45310.0 | 50620.0 | 0.649 | 230.7 | -17.0 | 0.77 | 1.391 | 116.2 | 0.925 | 10.427 | 305.4 | 537.4 | 0.786 | 20.068A | 0.0 | 0.071 | 119.2 | 167.0 | -58.3 | 0.161 |
| | | 14.45 | 4.62 | 19.07 | TWO | 19.008 | 186.7 | 40.0 | 80.3 | | | | | | | | | | |
| 45320.0 | 50620.0 | 0.575 | 232.9 | -17.0 | 0.91 | 1.392 | 111.4 | 0.919 | 10.470 | 315.3 | 537.1 | 0.848 | 20.092A | -0.20 | 0.074 | 119.3 | 166.5 | -59.0 | 0.159 |
| | | 12.57 | 4.60 | 17.17 | TWO | 19.008 | 186.7 | 40.0 | 79.6 | | | | | | | | | | |
| 45330.0 | 50620.0 | 0.507 | 233.7 | -16.1 | 1.16 | 1.392 | 106.6 | 0.914 | 10.507 | 325.3 | 536.9 | 0.900 | 20.114A | -0.51 | 0.076 | 119.4 | 166.0 | -59.5 | 0.157 |
| | | 10.91 | 4.58 | 15.49 | TWO | 19.008 | 186.7 | 40.0 | 79.1 | | | | | | | | | | |
| 45340.0 | 50620.0 | 0.450 | 232.6 | -13.8 | 1.66 | 1.393 | 101.8 | 0.911 | 10.536 | 335.3 | 536.8 | 0.940 | 20.131A | -1.07 | 0.078 | 119.6 | 165.3 | -59.8 | 0.156 |
| | | 9.55 | 4.57 | 14.12 | TWO | 19.008 | 186.7 | 40.0 | 78.6 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45350.0 | 50620.0 | 0.409<br>8.64 | 230.3<br>4.56 | -7.5<br>13.20 | 3.11<br>TWO | 1.392<br>19.008 | 97.0<br>186.7 | 0.908<br>40.0 | 10.556<br>78.3 | 345.4 | 536.6 | 0.968 | 20.144A | -2.57 | 0.079 | 119.7 | 163.8 | -59.9 | 0.156 |
| 45370.0 | 50620.0 | 0.387<br>8.17 | 208.8<br>4.56 | -26.7<br>12.73 | -3.86<br>ONE | 1.391<br>19.008 | 87.3<br>186.7 | 0.907<br>40.0 | 10.569<br>78.1 | 5.6 | 176.6 | 0.984D | 20.155A | 4.29 | 0.080 | 119.8 | 169.6 | -61.0 | 0.155 |
| 45380.0 | 50620.0 | 0.405<br>8.54 | 205.5<br>4.56 | -17.3<br>13.10 | -1.85<br>ONE | 1.389<br>19.008 | 82.5<br>186.7 | 0.908<br>40.0 | 10.561<br>78.1 | 15.8 | 176.6 | 0.970D | 20.153A | 2.23 | 0.079 | 119.9 | 167.8 | -60.7 | 0.156 |
| 45390.0 | 50620.0 | 0.448<br>9.51 | 202.3<br>4.57 | -13.4<br>14.08 | -1.24<br>ONE | 1.388<br>19.008 | 77.6<br>186.7 | 0.911<br>40.0 | 10.544<br>78.3 | 26.0 | 176.7 | 0.942D | 20.146A | 1.56 | 0.078 | 120.1 | 167.3 | -60.4 | 0.156 |
| 45400.0 | 50620.0 | 0.507<br>10.89 | 200.9<br>4.59 | -11.5<br>15.48 | -0.96<br>ONE | 1.386<br>19.008 | 72.8<br>186.7 | 0.914<br>40.0 | 10.518<br>78.6 | 36.1 | 176.8 | 0.901D | 20.134A | 1.22 | 0.077 | 120.2 | 167.2 | -60.1 | 0.158 |
| 45410.0 | 50620.0 | 0.576<br>12.60 | 201.3<br>4.60 | -10.9<br>17.20 | -0.80<br>ONE | 1.384<br>19.008 | 67.9<br>186.7 | 0.919<br>40.0 | 10.484<br>79.0 | 46.3 | 177.0 | 0.848D | 20.120A | 1.00 | 0.075 | 120.5 | 167.2 | -59.7 | 0.159 |

ARRIVAL DATE = 2450820.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45320.0 | 50820.0 | 0.585<br>12.83 | 234.2<br>4.59 | -17.3<br>17.41 | 0.90<br>TWO | 1.392<br>20.746 | 112.0<br>186.2 | 0.919<br>37.9 | 10.412<br>83.0 | 313.9 | 537.9 | 0.839 | 19.985A | -0.19 | 0.069 | 112.5 | 167.1 | -57.8 | 0.158 |
| 45330.0 | 50820.0 | 0.516<br>11.12 | 235.2<br>4.57 | -16.6<br>15.69 | 1.12<br>TWO | 1.392<br>20.746 | 107.2<br>186.2 | 0.915<br>37.9 | 10.447<br>82.5 | 323.9 | 537.7 | 0.893 | 20.000A | -0.48 | 0.072 | 112.8 | 166.6 | -58.3 | 0.156 |
| 45340.0 | 50820.0 | 0.457<br>9.71 | 234.3<br>4.55 | -14.6<br>14.27 | 1.56<br>TWO | 1.392<br>20.746 | 102.4<br>186.2 | 0.911<br>37.9 | 10.474<br>82.0 | 333.9 | 537.6 | 0.936 | 20.013A | -0.98 | 0.073 | 113.0 | 166.0 | -58.7 | 0.155 |
| 45350.0 | 50820.0 | 0.413<br>8.72 | 231.9<br>4.55 | -9.5<br>13.27 | 2.69<br>TWO | 1.392<br>20.746 | 97.6<br>186.2 | 0.908<br>37.9 | 10.494<br>81.7 | 344.0 | 537.5 | 0.966 | 20.023A | -2.16 | 0.074 | 113.2 | 164.8 | -58.8 | 0.154 |
| 45360.0 | 50820.0 | 0.442<br>9.38 | 234.4<br>4.56 | 17.8<br>13.94 | 10.79<br>TWO | 1.392<br>20.746 | 92.8<br>186.2 | 0.907<br>37.9 | 10.506<br>81.6 | 354.1 | 537.4 | 0.982 | 20.029A | -10.32 | 0.075 | 113.4 | 158.3 | -57.7 | 0.155 |
| 45370.0 | 50820.0 | 0.393<br>8.28 | 209.2<br>4.54 | -32.0<br>12.82 | -5.23<br>ONE | 1.391<br>20.746 | 88.0<br>186.2 | 0.906<br>37.9 | 10.508<br>81.5 | 4.3 | 177.4 | 0.985D | 20.032A | 5.64 | 0.075 | 113.5 | 171.4 | -59.9 | 0.154 |
| 45380.0 | 50820.0 | 0.401<br>8.45 | 207.2<br>4.54 | -19.1<br>12.99 | -2.14<br>ONE | 1.389<br>20.746 | 83.1<br>186.2 | 0.907<br>37.9 | 10.502<br>81.5 | 14.4 | 177.4 | 0.973D | 20.030A | 2.50 | 0.075 | 113.6 | 168.7 | -59.6 | 0.154 |
| 45390.0 | 50820.0 | 0.441<br>9.34 | 203.9<br>4.55 | -14.5<br>13.89 | -1.38<br>ONE | 1.388<br>20.746 | 78.3<br>186.2 | 0.910<br>37.9 | 10.486<br>81.7 | 24.6 | 177.5 | 0.947D | 20.026A | 1.68 | 0.074 | 113.6 | 168.0 | -59.3 | 0.154 |
| 45400.0 | 50820.0 | 0.497<br>10.67 | 202.3<br>4.57 | -12.3<br>15.24 | -1.04<br>ONE | 1.386<br>20.746 | 73.5<br>186.2 | 0.913<br>37.9 | 10.463<br>81.9 | 34.7 | 177.6 | 0.908D | 20.018A | 1.28 | 0.073 | 113.6 | 167.8 | -59.0 | 0.156 |
| 45410.0 | 50820.0 | 0.565<br>12.33 | 202.5<br>4.58 | -11.5<br>16.91 | -0.86<br>ONE | 1.384<br>20.746 | 68.6<br>186.2 | 0.918<br>37.9 | 10.432<br>82.3 | 44.8 | 177.7 | 0.856D | 20.008A | 1.04 | 0.071 | 113.7 | 167.7 | -58.6 | 0.157 |
| 45420.0 | 50820.0 | 0.640<br>14.24 | 204.2<br>4.60 | -11.6<br>18.84 | -0.75<br>ONE | 1.382<br>20.746 | 63.7<br>186.2 | 0.924<br>37.9 | 10.395<br>82.7 | 54.9 | 177.9 | 0.794D | 19.996A | 0.86 | 0.068 | 113.8 | 167.8 | -58.2 | 0.160 |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2446890.0** | | | | | | | | | | | | | | | | | | | |
| 45740.0 | 46890.0 | 0.637 | 233.0 | -19.5 | -0.16 | 1.648 | 91.9 | 1.680 | -1.450 | 357.0 | 480.9 | 0.986 | NA | 0.85 | 0.891 | 174.5 | 104.4 | -81.9 | 0.888 |
| | | 14.15 | 20.32 | 34.48 | ONE | 18.871 | 227.0 | 79.3 | 9.3 | | | | | | | | | | |
| 45750.0 | 46890.0 | 0.643 | 227.0 | -18.0 | -0.14 | 1.649 | 85.6 | 1.685 | -1.437 | 7.0 | 120.8 | 0.984D | NA | 0.82 | 0.894 | 174.6 | 104.1 | -82.0 | 0.891 |
| | | 14.30 | 20.42 | 34.71 | ONE | 18.871 | 227.0 | 79.3 | 9.3 | | | | | | | | | | |
| **ARRIVAL DATE = 2446990.0** | | | | | | | | | | | | | | | | | | | |
| 45720.0 | 46990.0 | 0.647 | 238.5 | -20.9 | -0.26 | 1.603 | 102.0 | 1.509 | -1.864 | 340.1 | 485.5 | 0.949 | NA | 0.97 | 0.800 | 174.2 | 105.6 | -81.9 | 0.799 |
| | | 14.40 | 17.98 | 32.38 | ONE | 18.301 | 222.7 | 78.5 | 10.6 | | | | | | | | | | |
| 45730.0 | 46990.0 | 0.608 | 234.7 | -20.1 | -0.21 | 1.604 | 96.3 | 1.530 | -1.841 | 349.5 | 484.7 | 0.975 | NA | 0.91 | 0.805 | 174.2 | 104.5 | -82.0 | 0.803 |
| | | 13.41 | 18.08 | 31.49 | ONE | 18.301 | 222.7 | 78.5 | 10.5 | | | | | | | | | | |
| 45740.0 | 46990.0 | 0.592 | 229.3 | -18.7 | -0.18 | 1.605 | 90.4 | 1.541 | -1.822 | 359.3 | 484.3 | 0.987 | NA | 0.86 | 0.808 | 174.1 | 103.9 | -82.0 | 0.806 |
| | | 13.00 | 18.16 | 31.16 | ONE | 18.301 | 222.7 | 78.5 | 10.4 | | | | | | | | | | |
| 45750.0 | 46990.0 | 0.604 | 223.0 | -16.9 | -0.16 | 1.605 | 84.3 | 1.542 | -1.808 | 9.4 | 124.4 | 0.981D | NA | 0.83 | 0.811 | 174.2 | 103.7 | -82.0 | 0.809 |
| | | 13.30 | 18.23 | 31.53 | ONE | 18.301 | 222.7 | 78.5 | 10.4 | | | | | | | | | | |
| 45760.0 | 46990.0 | 0.646 | 217.4 | -15.2 | -0.15 | 1.605 | 77.9 | 1.531 | -1.797 | 19.9 | 124.8 | 0.955D | NA | 0.80 | 0.813 | 174.3 | 104.1 | -82.0 | 0.811 |
| | | 14.37 | 18.29 | 32.66 | ONE | 18.301 | 222.7 | 78.5 | 10.4 | | | | | | | | | | |
| **ARRIVAL DATE = 2447090.0** | | | | | | | | | | | | | | | | | | | |
| 45720.0 | 47090.0 | 0.602 | 235.8 | -20.5 | -0.29 | 1.569 | 100.5 | 1.411 | -2.325 | 342.0 | 488.6 | 0.956 | NA | 1.00 | 0.731 | 173.8 | 105.1 | -82.0 | 0.731 |
| | | 13.26 | 16.21 | 29.46 | ONE | 19.767 | 218.9 | 77.6 | 11.7 | | | | | | | | | | |
| 45730.0 | 47090.0 | 0.568 | 231.6 | -19.4 | -0.23 | 1.570 | 95.0 | 1.426 | -2.298 | 351.5 | 487.9 | 0.979 | NA | 0.93 | 0.734 | 173.7 | 104.1 | -82.0 | 0.734 |
| | | 12.39 | 16.28 | 28.68 | ONE | 19.767 | 218.9 | 77.6 | 11.6 | | | | | | | | | | |
| 45740.0 | 47090.0 | 0.557 | 225.7 | -17.8 | -0.20 | 1.570 | 89.2 | 1.433 | -2.277 | 1.4 | 127.6 | 0.986D | NA | 0.87 | 0.737 | 173.7 | 103.6 | -82.0 | 0.737 |
| | | 12.12 | 16.35 | 28.47 | ONE | 19.767 | 218.9 | 77.6 | 11.5 | | | | | | | | | | |
| 45750.0 | 47090.0 | 0.575 | 219.4 | -15.9 | -0.18 | 1.570 | 83.2 | 1.432 | -2.261 | 11.6 | 127.7 | 0.977D | NA | 0.84 | 0.739 | 173.8 | 103.6 | -82.0 | 0.739 |
| | | 12.57 | 16.40 | 28.97 | ONE | 19.767 | 218.9 | 77.6 | 11.5 | | | | | | | | | | |
| 45760.0 | 47090.0 | 0.621 | 214.1 | -14.1 | -0.17 | 1.569 | 76.9 | 1.421 | -2.251 | 22.2 | 128.3 | 0.948D | NA | 0.80 | 0.741 | 173.9 | 104.1 | -82.0 | 0.741 |
| | | 13.75 | 16.45 | 30.20 | ONE | 19.767 | 218.9 | 77.6 | 11.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2447190.0** | | | | | | | | | | | | | | | | | | | |
| 45710.0 | 47190.0 | 0.614 | 235.9 | -20.9 | -0.47 | 1.541 | 104.5 | 1.317 | -2.933 | 334.5 | 492.4 | 0.929 | NA | 1.19 | 0.667 | 174.4 | 106.3 | -81.9 | 0.669 |
| | | 13.55 | 14.63 | 28.18 | ONE | 19.999 | 215.7 | 76.7 | 13.0 | | | | | | | | | | |
| 45720.0 | 47190.0 | 0.566 | 233.3 | -20.1 | -0.33 | 1.542 | 99.3 | 1.333 | -2.892 | 343.8 | 491.5 | 0.962 | NA | 1.03 | 0.671 | 173.3 | 104.9 | -82.0 | 0.672 |
| | | 12.34 | 14.71 | 27.05 | ONE | 19.999 | 215.7 | 76.7 | 12.8 | | | | | | | | | | |
| 45730.0 | 47190.0 | 0.536 | 228.6 | -18.8 | -0.26 | 1.543 | 93.8 | 1.343 | -2.860 | 353.4 | 491.0 | 0.981 | NA | 0.95 | 0.673 | 173.3 | 103.9 | -82.0 | 0.675 |
| | | 11.60 | 14.77 | 26.37 | ONE | 19.999 | 215.7 | 76.7 | 12.7 | | | | | | | | | | |
| 45740.0 | 47190.0 | 0.530 | 222.4 | -17.0 | -0.22 | 1.543 | 88.1 | 1.348 | -2.836 | 3.4 | 130.8 | 0.986D | NA | 0.89 | 0.676 | 173.3 | 103.5 | -82.0 | 0.677 |
| | | 11.46 | 14.82 | 26.28 | ONE | 19.999 | 215.7 | 76.7 | 12.7 | | | | | | | | | | |
| 45750.0 | 47190.0 | 0.553 | 216.2 | -14.9 | -0.20 | 1.542 | 82.2 | 1.345 | -2.820 | 13.7 | 131.0 | 0.973D | NA | 0.84 | 0.677 | 173.3 | 103.6 | -82.0 | 0.678 |
| | | 12.02 | 14.87 | 26.89 | ONE | 19.999 | 215.7 | 76.7 | 12.7 | | | | | | | | | | |
| 45760.0 | 47190.0 | 0.604 | 211.1 | -13.1 | -0.18 | 1.541 | 76.1 | 1.335 | -2.809 | 24.3 | 131.6 | 0.940D | NA | 0.81 | 0.678 | 173.5 | 104.3 | -82.0 | 0.680 |
| | | 13.29 | 14.90 | 28.19 | ONE | 19.999 | 215.7 | 76.7 | 12.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2447290.0** | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 47290.0 | 0.638 | 234.5 | -21.8 | -1.03 | 1.518 | 108.3 | 1.241 | -3.714 | 327.0 | 496.2 | 0.895 | NA | 1.76 | 0.611 | 173.1 | 108.1 | -81.9 | 0.615 |
| | | 14.18 | 13.30 | 27.48 | ONE | 18.512 | 212.9 | 75.7 | 14.5 | | | | | | | | | | |
| 45710.0 | 47290.0 | 0.581 | 233.9 | -20.7 | -0.54 | 1.519 | 103.4 | 1.256 | -3.650 | 336.1 | 495.1 | 0.936 | NA | 1.25 | 0.615 | 172.9 | 106.2 | -82.0 | 0.618 |
| | | 12.72 | 13.37 | 26.09 | ONE | 18.512 | 212.9 | 75.7 | 14.2 | | | | | | | | | | |
| 45720.0 | 47290.0 | 0.536 | 230.9 | -19.7 | -0.37 | 1.520 | 98.1 | 1.268 | -3.600 | 345.4 | 494.3 | 0.966 | NA | 1.07 | 0.618 | 172.9 | 104.8 | -82.0 | 0.621 |
| | | 11.60 | 13.43 | 25.04 | ONE | 18.512 | 212.9 | 75.7 | 14.0 | | | | | | | | | | |
| 45730.0 | 47290.0 | 0.510 | 225.8 | -18.2 | -0.29 | 1.520 | 92.7 | 1.276 | -3.561 | 355.1 | 493.8 | 0.983 | NA | 0.97 | 0.620 | 172.8 | 104.0 | -82.0 | 0.623 |
| | | 10.97 | 13.49 | 24.46 | ONE | 18.512 | 212.9 | 75.7 | 13.9 | | | | | | | | | | |
| 45740.0 | 47290.0 | 0.509 | 219.4 | -16.2 | -0.25 | 1.520 | 87.1 | 1.279 | -3.533 | 5.1 | 133.7 | 0.984D | NA | 0.90 | 0.622 | 172.8 | 103.6 | -82.0 | 0.625 |
| | | 10.95 | 13.53 | 24.48 | ONE | 18.512 | 212.9 | 75.7 | 13.8 | | | | | | | | | | |
| 45750.0 | 47290.0 | 0.536 | 213.3 | -14.0 | -0.22 | 1.519 | 81.3 | 1.275 | -3.516 | 15.5 | 134.0 | 0.968D | NA | 0.85 | 0.623 | 172.9 | 103.8 | -82.0 | 0.626 |
| | | 11.61 | 13.56 | 25.17 | ONE | 18.512 | 212.9 | 75.7 | 13.9 | | | | | | | | | | |
| 45760.0 | 47290.0 | 0.590 | 208.5 | -12.2 | -0.20 | 1.518 | 75.3 | 1.266 | -3.506 | 26.3 | 134.7 | 0.934D | NA | 0.81 | 0.624 | 173.0 | 104.7 | -82.0 | 0.627 |
| | | 12.96 | 13.59 | 26.55 | ONE | 18.512 | 212.9 | 75.7 | 14.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2447390.0** | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 47390.0 | 0.609 | 232.9 | -22.1 | -1.24 | 1.500 | 107.3 | 1.195 | -4.641 | 328.3 | 498.7 | 0.903 | NA | 1.97 | 0.565 | 172.6 | 108.4 | -82.0 | 0.571 |
| | | 13.44 | 12.23 | 25.66 | ONE | 18.711 | 210.5 | 74.7 | 15.6 | | | | | | | | | | |
| 45710.0 | 47390.0 | 0.554 | 232.0 | -20.6 | -0.61 | 1.501 | 102.3 | 1.207 | -4.559 | 337.5 | 497.7 | 0.942 | NA | 1.32 | 0.568 | 172.4 | 106.4 | -82.0 | 0.573 |
| | | 12.04 | 12.29 | 24.33 | ONE | 18.711 | 210.5 | 74.7 | 15.4 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45720.0 | 47390.0 | 0.511 | 228.7 | -19.3 | -0.41 | 1.502 | 97.2 | 1.216 | -4.495 | 346.9 | 497.0 | 0.970 | NA | 1.10 | 0.571 | 172.4 | 105.1 | -82.0 | 0.575 |
| | | 11.01 | 12.34 | 23.35 | ONE | 18.711 | 210.5 | 74.7 | 15.2 | | | | | | | | | | |
| 45730.0 | 47390.0 | 0.489 | 223.2 | -17.6 | -0.32 | 1.502 | 91.8 | 1.221 | -4.448 | 356.7 | 496.6 | 0.984 | NA | 0.99 | 0.573 | 172.3 | 104.2 | -82.0 | 0.577 |
| | | 10.47 | 12.38 | 22.86 | ONE | 18.711 | 210.5 | 74.7 | 15.1 | | | | | | | | | | |
| 45740.0 | 47390.0 | 0.492 | 216.7 | -15.4 | -0.27 | 1.501 | 86.3 | 1.223 | -4.415 | 6.8 | 136.5 | 0.983D | NA | 0.92 | 0.575 | 172.3 | 104.0 | -82.0 | 0.579 |
| | | 10.55 | 12.42 | 22.97 | ONE | 18.711 | 210.5 | 74.7 | 15.0 | | | | | | | | | | |
| 45750.0 | 47390.0 | 0.524 | 210.7 | -13.2 | -0.24 | 1.500 | 80.5 | 1.219 | -4.397 | 17.2 | 136.8 | 0.964D | NA | 0.86 | 0.575 | 172.4 | 104.3 | -82.0 | 0.580 |
| | | 11.30 | 12.44 | 23.75 | ONE | 18.711 | 210.5 | 74.7 | 15.1 | | | | | | | | | | |
| 45760.0 | 47390.0 | 0.580 | 206.3 | -11.5 | -0.22 | 1.499 | 74.6 | 1.211 | -4.390 | 28.0 | 137.5 | 0.927D | NA | 0.82 | 0.576 | 172.6 | 105.3 | -81.9 | 0.581 |
| | | 12.71 | 12.47 | 25.17 | ONE | 18.711 | 210.5 | 74.7 | 15.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447490.0 | | | | | | | | | | | |
| 45700.0 | 47490.0 | 0.585 | 231.4 | -22.5 | -1.51 | 1.485 | 106.4 | 1.156 | -5.844 | 329.4 | 501.0 | 0.910 | NA | 2.24 | 0.524 | 172.0 | 108.9 | -82.0 | 0.531 |
| | | 12.82 | 11.30 | 24.13 | ONE | 20.178 | 208.3 | 73.7 | 16.9 | | | | | | | | | | |
| 45710.0 | 47490.0 | 0.531 | 230.3 | -20.4 | -0.70 | 1.486 | 101.5 | 1.165 | -5.736 | 338.7 | 500.1 | 0.947 | NA | 1.40 | 0.527 | 171.9 | 106.9 | -82.0 | 0.534 |
| | | 11.48 | 11.35 | 22.84 | ONE | 20.178 | 208.3 | 73.7 | 16.6 | | | | | | | | | | |
| 45720.0 | 47490.0 | 0.491 | 226.6 | -18.9 | -0.46 | 1.486 | 96.3 | 1.172 | -5.653 | 348.3 | 499.4 | 0.973 | NA | 1.14 | 0.530 | 171.8 | 105.5 | -82.0 | 0.535 |
| | | 10.53 | 11.40 | 21.92 | ONE | 20.178 | 208.3 | 73.7 | 16.4 | | | | | | | | | | |
| 45730.0 | 47490.0 | 0.472 | 220.9 | -17.0 | -0.35 | 1.486 | 91.0 | 1.176 | -5.594 | 358.1 | 499.1 | 0.985 | NA | 1.01 | 0.531 | 171.8 | 104.8 | -82.0 | 0.537 |
| | | 10.08 | 11.43 | 21.51 | ONE | 20.178 | 208.3 | 73.7 | 16.3 | | | | | | | | | | |
| 45740.0 | 47490.0 | 0.479 | 214.3 | -14.7 | -0.29 | 1.486 | 85.6 | 1.177 | -5.556 | 8.2 | 139.1 | 0.981D | NA | 0.93 | 0.533 | 171.8 | 104.6 | -82.0 | 0.538 |
| | | 10.24 | 11.46 | 21.70 | ONE | 20.178 | 208.3 | 73.7 | 16.3 | | | | | | | | | | |
| 45750.0 | 47490.0 | 0.514 | 208.5 | -12.5 | -0.26 | 1.485 | 79.9 | 1.173 | -5.537 | 18.7 | 139.5 | 0.960D | NA | 0.87 | 0.533 | 171.9 | 105.0 | -82.0 | 0.539 |
| | | 11.07 | 11.48 | 22.55 | ONE | 20.178 | 208.3 | 73.7 | 16.4 | | | | | | | | | | |
| 45760.0 | 47490.0 | 0.573 | 204.4 | -10.8 | -0.24 | 1.483 | 74.1 | 1.167 | -5.534 | 29.5 | 140.2 | 0.922D | NA | 0.82 | 0.533 | 172.1 | 106.1 | -81.9 | 0.540 |
| | | 12.51 | 11.50 | 24.01 | ONE | 20.178 | 208.3 | 73.7 | 16.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447590.0 | | | | | | | | | | | |
| 45690.0 | 47590.0 | 0.632 | 233.8 | -8.8 | 4.64 | 1.471 | 110.4 | 1.114 | -7.640 | 321.4 | 504.3 | 0.870 | NA | -3.90 | 0.484 | 171.7 | 109.8 | -81.0 | 0.494 |
| | | 14.02 | 10.45 | 24.46 | TWO | 19.655 | 206.4 | 72.7 | 18.5 | | | | | | | | | | |
| 45700.0 | 47590.0 | 0.565 | 229.9 | -23.2 | -1.87 | 1.472 | 105.6 | 1.123 | -7.453 | 330.5 | 503.2 | 0.916 | NA | 2.59 | 0.488 | 171.5 | 109.8 | -82.0 | 0.496 |
| | | 12.32 | 10.50 | 22.82 | ONE | 19.655 | 206.4 | 72.7 | 18.1 | | | | | | | | | | |
| 45710.0 | 47590.0 | 0.512 | 228.7 | -20.4 | -0.79 | 1.473 | 100.7 | 1.130 | -7.306 | 339.8 | 502.4 | 0.951 | NA | 1.49 | 0.490 | 171.4 | 107.6 | -82.0 | 0.498 |
| | | 11.02 | 10.54 | 21.56 | ONE | 19.655 | 206.4 | 72.7 | 17.9 | | | | | | | | | | |
| 45720.0 | 47590.0 | 0.475 | 224.7 | -18.6 | -0.51 | 1.474 | 95.6 | 1.136 | -7.194 | 349.4 | 501.8 | 0.975 | NA | 1.19 | 0.492 | 171.3 | 106.3 | -82.0 | 0.500 |
| | | 10.13 | 10.58 | 20.71 | ONE | 19.655 | 206.4 | 72.7 | 17.7 | | | | | | | | | | |
| 45730.0 | 47590.0 | 0.459 | 218.8 | -16.5 | -0.39 | 1.473 | 90.4 | 1.138 | -7.117 | 359.3 | 501.5 | 0.985 | NA | 1.04 | 0.494 | 171.3 | 105.6 | -82.0 | 0.501 |
| | | 9.76 | 10.61 | 20.37 | ONE | 19.655 | 206.4 | 72.7 | 17.6 | | | | | | | | | | |
| 45740.0 | 47590.0 | 0.469 | 212.2 | -14.1 | -0.32 | 1.473 | 84.9 | 1.139 | -7.071 | 9.5 | 141.5 | 0.979D | NA | 0.95 | 0.495 | 171.3 | 105.5 | -82.0 | 0.502 |
| | | 10.00 | 10.63 | 20.63 | ONE | 19.655 | 206.4 | 72.7 | 17.6 | | | | | | | | | | |
| 45750.0 | 47590.0 | 0.506 | 206.6 | -11.8 | -0.28 | 1.471 | 79.4 | 1.136 | -7.052 | 20.0 | 141.9 | 0.957D | NA | 0.88 | 0.495 | 171.4 | 106.0 | -81.9 | 0.503 |
| | | 10.88 | 10.65 | 21.53 | ONE | 19.655 | 206.4 | 72.7 | 17.6 | | | | | | | | | | |
| 45760.0 | 47590.0 | 0.567 | 202.8 | -10.2 | -0.26 | 1.470 | 73.6 | 1.130 | -7.058 | 30.8 | 142.7 | 0.916D | NA | 0.83 | 0.495 | 171.6 | 107.2 | -81.9 | 0.503 |
| | | 12.37 | 10.66 | 23.03 | ONE | 19.655 | 206.4 | 72.7 | 17.8 | | | | | | | | | | |
| 45770.0 | 47590.0 | 0.645 | 200.9 | -9.4 | -0.24 | 1.468 | 67.7 | 1.121 | -7.084 | 42.0 | 143.9 | 0.858D | NA | 0.79 | 0.495 | 171.9 | 109.0 | -81.8 | 0.504 |
| | | 14.36 | 10.68 | 25.04 | ONE | 19.655 | 206.4 | 72.7 | 18.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447690.0 | | | | | | | | | | | |
| 45690.0 | 47690.0 | 0.610 | 232.3 | -10.7 | 3.54 | 1.461 | 109.7 | 1.088 | -9.965 | 322.2 | 506.3 | 0.876 | NA | -2.80 | 0.451 | 171.1 | 110.9 | -81.1 | 0.463 |
| | | 13.47 | 9.76 | 23.22 | TWO | 18.348 | 204.7 | 71.7 | 19.8 | | | | | | | | | | |
| 45700.0 | 47690.0 | 0.548 | 228.5 | -24.3 | -2.36 | 1.462 | 104.9 | 1.095 | -9.693 | 331.4 | 505.3 | 0.921 | NA | 3.08 | 0.455 | 170.9 | 111.0 | -82.1 | 0.465 |
| | | 11.90 | 9.80 | 21.70 | ONE | 18.348 | 204.7 | 71.7 | 19.4 | | | | | | | | | | |
| 45710.0 | 47690.0 | 0.496 | 227.2 | -20.4 | -0.90 | 1.463 | 100.0 | 1.101 | -9.481 | 340.8 | 504.5 | 0.955 | NA | 1.59 | 0.457 | 170.8 | 108.6 | -82.0 | 0.466 |
| | | 10.63 | 9.84 | 20.47 | ONE | 18.348 | 204.7 | 71.7 | 19.2 | | | | | | | | | | |
| 45720.0 | 47690.0 | 0.461 | 223.0 | -18.3 | -0.56 | 1.463 | 95.0 | 1.105 | -9.324 | 350.5 | 504.0 | 0.977 | NA | 1.24 | 0.459 | 170.7 | 107.3 | -82.0 | 0.468 |
| | | 9.81 | 9.87 | 19.68 | ONE | 18.348 | 204.7 | 71.7 | 19.0 | | | | | | | | | | |
| 45730.0 | 47690.0 | 0.448 | 216.9 | -16.0 | -0.42 | 1.462 | 89.8 | 1.107 | -9.219 | 0.4 | 143.8 | 0.985D | NA | 1.07 | 0.460 | 170.7 | 106.6 | -82.0 | 0.469 |
| | | 9.50 | 9.89 | 19.40 | ONE | 18.348 | 204.7 | 71.7 | 18.9 | | | | | | | | | | |
| 45740.0 | 47690.0 | 0.461 | 210.3 | -13.5 | -0.35 | 1.462 | 84.4 | 1.107 | -9.161 | 10.6 | 143.8 | 0.978D | NA | 0.97 | 0.461 | 170.7 | 106.6 | -81.9 | 0.470 |
| | | 9.81 | 9.91 | 19.72 | ONE | 18.348 | 204.7 | 71.7 | 18.9 | | | | | | | | | | |
| 45750.0 | 47690.0 | 0.500 | 204.9 | -11.3 | -0.30 | 1.460 | 78.9 | 1.104 | -9.146 | 21.2 | 144.3 | 0.954D | NA | 0.89 | 0.461 | 170.9 | 107.2 | -81.9 | 0.470 |
| | | 10.74 | 9.93 | 20.66 | ONE | 18.348 | 204.7 | 71.7 | 19.0 | | | | | | | | | | |
| 45760.0 | 47690.0 | 0.562 | 201.4 | -9.7 | -0.27 | 1.459 | 73.2 | 1.099 | -9.167 | 32.0 | 145.0 | 0.912D | NA | 0.84 | 0.461 | 171.1 | 108.5 | -81.8 | 0.471 |
| | | 12.25 | 9.94 | 22.18 | ONE | 18.348 | 204.7 | 71.7 | 19.2 | | | | | | | | | | |
| 45770.0 | 47690.0 | 0.641 | 199.8 | -9.0 | -0.26 | 1.457 | 67.4 | 1.093 | -9.220 | 43.2 | 146.2 | 0.853D | NA | 0.79 | 0.460 | 171.4 | 110.4 | -81.7 | 0.472 |
| | | 14.24 | 9.95 | 24.19 | ONE | 18.348 | 204.7 | 71.7 | 19.5 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2447790.0** | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 47790.0 | 0.593 | 231.2 | -11.7 | 2.92 | 1.452 | 109.1 | 1.066 | -13.420 | 323.0 | 508.2 | 0.881 | NA | -2.19 | 0.422 | 170.5 | 112.2 | -81.1 | 0.435 |
| | | 13.04 | 9.15 | 22.19 | TWO | 19.265 | 203.2 | 70.6 | 21.1 | | | | | | | | | | |
| 45700.0 | 47790.0 | 0.536 | 226.9 | -26.0 | -3.07 | 1.453 | 104.4 | 1.071 | -12.993 | 332.2 | 507.3 | 0.925 | NA | 3.79 | 0.425 | 170.3 | 112.6 | -82.1 | 0.436 |
| | | 11.58 | 9.19 | 20.77 | ONE | 19.265 | 203.2 | 70.6 | 20.8 | | | | | | | | | | |
| 45710.0 | 47790.0 | 0.482 | 225.9 | -20.5 | -1.02 | 1.454 | 99.5 | 1.076 | -12.667 | 341.7 | 506.5 | 0.958 | NA | 1.71 | 0.427 | 170.2 | 109.9 | -81.9 | 0.438 |
| | | 10.31 | 9.22 | 19.53 | ONE | 19.265 | 203.2 | 70.6 | 20.5 | | | | | | | | | | |
| 45720.0 | 47790.0 | 0.449 | 221.4 | -18.1 | -0.62 | 1.454 | 94.5 | 1.079 | -12.437 | 351.4 | 506.1 | 0.978 | NA | 1.29 | 0.429 | 170.1 | 108.5 | -81.9 | 0.439 |
| | | 9.54 | 9.25 | 18.79 | ONE | 19.265 | 203.2 | 70.6 | 20.3 | | | | | | | | | | |
| 45730.0 | 47790.0 | 0.438 | 215.2 | -15.7 | -0.46 | 1.453 | 89.5 | 1.080 | -12.280 | 1.4 | 145.9 | 0.985D | NA | 1.10 | 0.430 | 170.1 | 107.9 | -81.9 | 0.440 |
| | | 9.29 | 9.27 | 18.56 | ONE | 19.265 | 203.2 | 70.6 | 20.2 | | | | | | | | | | |
| 45740.0 | 47790.0 | 0.454 | 208.7 | -13.0 | -0.37 | 1.452 | 84.0 | 1.080 | -12.204 | 11.6 | 146.0 | 0.976D | NA | 0.99 | 0.430 | 170.2 | 107.9 | -81.9 | 0.441 |
| | | 9.65 | 9.28 | 18.93 | ONE | 19.265 | 203.2 | 70.6 | 20.2 | | | | | | | | | | |
| 45750.0 | 47790.0 | 0.495 | 203.5 | -10.8 | -0.32 | 1.451 | 78.5 | 1.078 | -12.197 | 22.2 | 146.4 | 0.951D | NA | 0.91 | 0.430 | 170.3 | 108.6 | -81.8 | 0.441 |
| | | 10.62 | 9.30 | 19.91 | ONE | 19.265 | 203.2 | 70.6 | 20.3 | | | | | | | | | | |
| 45760.0 | 47790.0 | 0.558 | 200.2 | -9.3 | -0.29 | 1.449 | 72.9 | 1.074 | -12.249 | 33.0 | 147.2 | 0.908D | NA | 0.85 | 0.430 | 170.5 | 110.0 | -81.8 | 0.442 |
| | | 12.15 | 9.31 | 21.45 | ONE | 19.265 | 203.2 | 70.6 | 20.6 | | | | | | | | | | |
| 45770.0 | 47790.0 | 0.637 | 198.9 | -8.6 | -0.27 | 1.447 | 67.2 | 1.069 | -12.353 | 44.1 | 148.3 | 0.848D | NA | 0.79 | 0.429 | 170.8 | 112.0 | -81.6 | 0.442 |
| | | 14.14 | 9.32 | 23.46 | ONE | 19.265 | 203.2 | 70.6 | 20.9 | | | | | | | | | | |
| **ARRIVAL DATE = 2447890.0** | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 47890.0 | 0.642 | 227.8 | -15.7 | 0.99 | 1.443 | 113.2 | 1.042 | -20.007 | 314.6 | 511.1 | 0.835 | NA | -0.22 | 0.391 | 170.1 | 116.9 | -81.1 | 0.407 |
| | | 14.28 | 8.58 | 22.87 | TWO | 20.360 | 201.8 | 69.6 | 22.9 | | | | | | | | | | |
| 45690.0 | 47890.0 | 0.579 | 230.4 | -12.3 | 2.53 | 1.444 | 108.6 | 1.047 | -19.041 | 323.6 | 510.0 | 0.886 | NA | -1.79 | 0.395 | 169.9 | 113.7 | -81.1 | 0.409 |
| | | 12.68 | 8.62 | 21.30 | TWO | 20.360 | 201.8 | 69.6 | 22.5 | | | | | | | | | | |
| 45700.0 | 47890.0 | 0.526 | 225.2 | -28.9 | -4.21 | 1.445 | 103.9 | 1.051 | -18.294 | 332.9 | 509.1 | 0.928 | NA | 4.92 | 0.397 | 169.7 | 114.9 | -82.3 | 0.411 |
| | | 11.35 | 8.66 | 20.01 | ONE | 20.360 | 201.8 | 69.6 | 22.2 | | | | | | | | | | |
| 45710.0 | 47890.0 | 0.471 | 224.7 | -20.6 | -1.16 | 1.446 | 99.0 | 1.054 | -17.736 | 342.5 | 508.4 | 0.960 | NA | 1.85 | 0.399 | 169.5 | 111.5 | -81.9 | 0.412 |
| | | 10.04 | 8.68 | 18.73 | ONE | 20.360 | 201.8 | 69.6 | 21.9 | | | | | | | | | | |
| 45720.0 | 47890.0 | 0.439 | 220.1 | -18.0 | -0.69 | 1.446 | 94.0 | 1.056 | -17.346 | 352.2 | 508.0 | 0.979 | NA | 1.35 | 0.401 | 169.5 | 110.1 | -81.9 | 0.413 |
| | | 9.31 | 8.70 | 18.02 | ONE | 20.360 | 201.8 | 69.6 | 21.7 | | | | | | | | | | |
| 45730.0 | 47890.0 | 0.431 | 213.8 | -15.3 | -0.50 | 1.445 | 88.9 | 1.058 | -17.104 | 2.2 | 147.9 | 0.985D | NA | 1.13 | 0.402 | 169.5 | 109.5 | -81.9 | 0.414 |
| | | 9.12 | 8.72 | 17.84 | ONE | 20.360 | 201.8 | 69.6 | 21.6 | | | | | | | | | | |
| 45740.0 | 47890.0 | 0.448 | 207.3 | -12.6 | -0.40 | 1.444 | 83.6 | 1.057 | -16.996 | 12.5 | 148.0 | 0.975D | NA | 1.01 | 0.403 | 169.5 | 109.5 | -81.8 | 0.415 |
| | | 9.52 | 8.73 | 18.25 | ONE | 20.360 | 201.8 | 69.6 | 21.6 | | | | | | | | | | |
| 45750.0 | 47890.0 | 0.491 | 202.3 | -10.4 | -0.34 | 1.443 | 78.2 | 1.056 | -17.010 | 23.0 | 148.4 | 0.948D | NA | 0.92 | 0.402 | 169.7 | 110.3 | -81.8 | 0.415 |
| | | 10.52 | 8.75 | 19.26 | ONE | 20.360 | 201.8 | 69.6 | 21.7 | | | | | | | | | | |
| 45760.0 | 47890.0 | 0.554 | 199.2 | -9.0 | -0.31 | 1.441 | 72.6 | 1.053 | -17.132 | 33.9 | 149.2 | 0.905D | NA | 0.85 | 0.402 | 169.9 | 111.8 | -81.7 | 0.416 |
| | | 12.06 | 8.75 | 20.82 | ONE | 20.360 | 201.8 | 69.6 | 22.0 | | | | | | | | | | |
| 45770.0 | 47890.0 | 0.633 | 198.1 | -8.4 | -0.29 | 1.439 | 67.0 | 1.049 | -17.348 | 45.0 | 150.3 | 0.845D | NA | 0.80 | 0.401 | 170.3 | 113.9 | -81.5 | 0.416 |
| | | 14.05 | 8.76 | 22.82 | ONE | 20.360 | 201.8 | 69.6 | 22.3 | | | | | | | | | | |
| **ARRIVAL DATE = 2447990.0** | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 47990.0 | 0.631 | 227.4 | -15.6 | 0.97 | 1.436 | 112.8 | 1.026 | -31.813 | 315.0 | 512.7 | 0.839 | NA | -0.21 | 0.367 | 169.4 | 118.6 | -81.0 | 0.384 |
| | | 13.98 | 8.12 | 22.10 | TWO | 19.216 | 200.6 | 68.5 | 24.3 | | | | | | | | | | |
| 45690.0 | 47990.0 | 0.567 | 229.7 | -12.7 | 2.25 | 1.438 | 108.2 | 1.030 | -29.685 | 324.2 | 511.7 | 0.889 | NA | -1.52 | 0.370 | 169.2 | 115.4 | -81.0 | 0.386 |
| | | 12.38 | 8.16 | 20.54 | TWO | 19.216 | 200.6 | 68.5 | 23.9 | | | | | | | | | | |
| 45700.0 | 47990.0 | 0.524 | 222.8 | -34.3 | -6.31 | 1.439 | 103.4 | 1.033 | -28.105 | 333.0 | 510.9 | 0.931 | NA | 7.02 | 0.372 | 169.0 | 118.4 | -82.5 | 0.388 |
| | | 11.31 | 8.19 | 19.50 | ONE | 19.216 | 200.6 | 68.5 | 23.6 | | | | | | | | | | |
| 45710.0 | 47990.0 | 0.461 | 223.6 | -20.9 | -1.33 | 1.439 | 98.6 | 1.036 | -26.967 | 343.1 | 510.2 | 0.962 | NA | 2.01 | 0.374 | 168.9 | 113.3 | -81.8 | 0.389 |
| | | 9.82 | 8.21 | 18.03 | ONE | 19.216 | 200.6 | 68.5 | 23.3 | | | | | | | | | | |
| 45720.0 | 47990.0 | 0.431 | 218.9 | -17.9 | -0.75 | 1.439 | 93.6 | 1.037 | -26.197 | 352.9 | 509.8 | 0.980 | NA | 1.41 | 0.376 | 168.8 | 111.9 | -81.8 | 0.390 |
| | | 9.13 | 8.23 | 17.35 | ONE | 19.216 | 200.6 | 68.5 | 23.1 | | | | | | | | | | |
| 45730.0 | 47990.0 | 0.424 | 212.5 | -15.1 | -0.54 | 1.438 | 88.5 | 1.038 | -25.743 | 2.9 | 149.7 | 0.984D | NA | 1.17 | 0.377 | 168.8 | 111.3 | -81.8 | 0.390 |
| | | 8.97 | 8.24 | 17.21 | ONE | 19.216 | 200.6 | 68.5 | 23.0 | | | | | | | | | | |
| 45740.0 | 47990.0 | 0.443 | 206.2 | -12.3 | -0.43 | 1.437 | 83.3 | 1.038 | -25.568 | 13.2 | 149.9 | 0.973D | NA | 1.03 | 0.377 | 168.9 | 111.4 | -81.7 | 0.391 |
| | | 9.41 | 8.25 | 17.66 | ONE | 19.216 | 200.6 | 68.5 | 23.0 | | | | | | | | | | |
| 45750.0 | 47990.0 | 0.487 | 201.3 | -10.1 | -0.37 | 1.436 | 77.9 | 1.037 | -25.646 | 23.8 | 150.3 | 0.946D | NA | 0.93 | 0.377 | 169.1 | 112.2 | -81.7 | 0.391 |
| | | 10.43 | 8.26 | 18.69 | ONE | 19.216 | 200.6 | 68.5 | 23.2 | | | | | | | | | | |
| 45760.0 | 47990.0 | 0.551 | 198.4 | -8.7 | -0.33 | 1.434 | 72.4 | 1.035 | -25.953 | 34.6 | 151.0 | 0.902D | NA | 0.86 | 0.376 | 169.3 | 113.8 | -81.6 | 0.392 |
| | | 11.98 | 8.27 | 20.25 | ONE | 19.216 | 200.6 | 68.5 | 23.4 | | | | | | | | | | |
| 45770.0 | 47990.0 | 0.630 | 197.5 | -8.1 | -0.31 | 1.432 | 66.8 | 1.032 | -26.467 | 45.6 | 152.1 | 0.842D | NA | 0.80 | 0.375 | 169.7 | 115.9 | -81.4 | 0.392 |
| | | 13.97 | 8.28 | 22.25 | ONE | 19.216 | 200.6 | 68.5 | 23.8 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2448090.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48090.0 | 0.621 | 227.1 | -15.5 | C.96 | 1.431 | 112.4 | 1.013 | -64.656 | 315.4 | 514.3 | 0.842 | NA | -0.20 | 0.344 | 168.8 | 120.4 | -80.8 | 0.364 |
| | | 13.73 | 7.72 | 21.45 | TWO | 18.442 | 199.5 | 67.5 | 25.8 | | | | | | | | | | |
| 45690.0 | 48090.0 | 0.597 | 229.1 | -13.0 | 2.05 | 1.432 | 107.8 | 1.016 | -57.199 | 324.6 | 513.3 | 0.892 | NA | -1.32 | 0.347 | 168.5 | 117.3 | -80.9 | 0.365 |
| | | 12.14 | 7.74 | 19.88 | TWO | 18.442 | 199.5 | 67.5 | 25.4 | | | | | | | | | | |
| 45700.0 | 48090.0 | 0.552 | 218.1 | -47.0 | -11.48 | 1.433 | 103.1 | 1.018 | -52.173 | 334.1 | 512.5 | 0.933 | NA | 12.19 | 0.350 | 168.3 | 126.0 | -83.2 | 0.367 |
| | | 12.00 | 7.79 | 19.79 | ONE | 18.442 | 199.5 | 67.5 | 25.3 | | | | | | | | | | |
| 45710.0 | 48090.0 | 0.453 | 222.6 | -21.3 | -1.52 | 1.433 | 98.3 | 1.020 | -48.804 | 343.6 | 511.9 | 0.963 | NA | 2.20 | 0.351 | 168.2 | 115.4 | -81.8 | 0.367 |
| | | 9.64 | 7.79 | 17.43 | ONE | 18.442 | 199.5 | 67.5 | 24.7 | | | | | | | | | | |
| 45720.0 | 48090.0 | 0.424 | 217.9 | -17.9 | -0.83 | 1.433 | 93.3 | 1.021 | -46.653 | 353.5 | 511.6 | 0.981 | NA | 1.48 | 0.353 | 168.1 | 113.9 | -81.7 | 0.368 |
| | | 8.97 | 7.80 | 16.78 | ONE | 18.442 | 199.5 | 67.5 | 24.5 | | | | | | | | | | |
| 45730.0 | 48090.0 | 0.419 | 211.4 | -14.9 | -0.58 | 1.433 | 88.2 | 1.022 | -45.465 | 3.5 | 151.5 | 0.984D | NA | 1.20 | 0.354 | 168.1 | 113.3 | -81.7 | 0.369 |
| | | 8.85 | 7.82 | 16.67 | ONE | 18.442 | 199.5 | 67.5 | 24.5 | | | | | | | | | | |
| 45740.0 | 48090.0 | 0.439 | 205.2 | -12.0 | -0.46 | 1.432 | 83.0 | 1.022 | -45.090 | 13.8 | 151.6 | 0.972D | NA | 1.05 | 0.354 | 168.2 | 113.5 | -81.6 | 0.369 |
| | | 9.32 | 7.83 | 17.14 | ONE | 18.442 | 199.5 | 67.5 | 24.5 | | | | | | | | | | |
| 45750.0 | 48090.0 | 0.484 | 200.4 | -9.8 | -0.39 | 1.430 | 77.7 | 1.021 | -45.439 | 24.4 | 152.1 | 0.944D | NA | 0.95 | 0.354 | 168.4 | 114.3 | -81.6 | 0.370 |
| | | 10.36 | 7.84 | 18.19 | ONE | 18.442 | 199.5 | 67.5 | 24.7 | | | | | | | | | | |
| 45760.0 | 48090.0 | 0.549 | 197.8 | -8.5 | -0.35 | 1.428 | 72.3 | 1.019 | -46.469 | 35.2 | 152.8 | 0.900D | NA | 0.87 | 0.353 | 168.7 | 115.9 | -81.4 | 0.370 |
| | | 11.91 | 7.84 | 19.76 | ONE | 18.442 | 199.5 | 67.5 | 24.9 | | | | | | | | | | |
| 45770.0 | 48090.0 | 0.627 | 197.0 | -8.0 | -0.32 | 1.426 | 66.7 | 1.017 | -48.158 | 46.2 | 153.8 | 0.839D | NA | 0.81 | 0.352 | 169.0 | 118.1 | -81.2 | 0.371 |
| | | 13.89 | 7.85 | 21.74 | ONE | 18.442 | 199.5 | 67.5 | 25.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448190.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48190.0 | 0.612 | 226.8 | -15.4 | C.95 | 1.426 | 112.1 | 1.001 | ******* | 315.8 | 515.7 | 0.845 | NA | -0.19 | 0.323 | 168.1 | 122.4 | -80.6 | 0.345 |
| | | 13.52 | 7.36 | 20.87 | TWO | 19.838 | 198.5 | 66.4 | 27.3 | | | | | | | | | | |
| 45690.0 | 48190.0 | 0.549 | 228.7 | -13.2 | 1.90 | 1.427 | 107.5 | 1.003 | ******* | 325.0 | 514.8 | 0.895 | NA | -1.17 | 0.326 | 167.8 | 119.3 | -80.7 | 0.346 |
| | | 11.93 | 7.38 | 19.31 | TWO | 19.838 | 198.5 | 66.4 | 26.9 | | | | | | | | | | |
| 45710.0 | 48190.0 | 0.447 | 221.7 | -21.9 | -1.76 | 1.428 | 98.0 | 1.006 | ******* | 344.1 | 513.5 | 0.965 | NA | 2.43 | 0.330 | 167.5 | 117.8 | -81.7 | 0.348 |
| | | 9.48 | 7.42 | 16.90 | ONE | 19.838 | 198.5 | 66.4 | 26.2 | | | | | | | | | | |
| 45720.0 | 48190.0 | 0.418 | 217.0 | -17.9 | -0.91 | 1.428 | 93.0 | 1.007 | ******* | 354.0 | 513.2 | 0.981 | NA | 1.56 | 0.332 | 167.4 | 116.2 | -81.6 | 0.349 |
| | | 8.84 | 7.43 | 16.27 | ONE | 19.838 | 198.5 | 66.4 | 26.0 | | | | | | | | | | |
| 45730.0 | 48190.0 | 0.414 | 210.5 | -14.7 | -0.63 | 1.428 | 88.0 | 1.007 | ******* | 4.0 | 153.1 | 0.984D | NA | 1.24 | 0.332 | 167.4 | 115.5 | -81.6 | 0.349 |
| | | 8.75 | 7.44 | 16.19 | ONE | 19.838 | 198.5 | 66.4 | 26.0 | | | | | | | | | | |
| 45740.0 | 48190.0 | 0.436 | 204.3 | -11.9 | -0.49 | 1.426 | 82.8 | 1.007 | ******* | 14.3 | 153.3 | 0.971D | NA | 1.07 | 0.332 | 167.5 | 115.7 | -81.5 | 0.350 |
| | | 9.23 | 7.45 | 16.69 | ONE | 19.838 | 198.5 | 66.4 | 26.0 | | | | | | | | | | |
| 45750.0 | 48190.0 | 0.481 | 199.7 | -9.6 | -0.42 | 1.425 | 77.5 | 1.007 | ******* | 24.9 | 153.7 | 0.943D | NA | 0.96 | 0.332 | 167.7 | 116.6 | -81.4 | 0.350 |
| | | 10.29 | 7.46 | 17.75 | ONE | 19.838 | 198.5 | 66.4 | 26.2 | | | | | | | | | | |
| 45760.0 | 48190.0 | 0.546 | 197.2 | -8.3 | -0.37 | 1.423 | 72.1 | 1.006 | ******* | 35.6 | 154.4 | 0.898D | NA | 0.88 | 0.331 | 168.0 | 118.2 | -81.3 | 0.351 |
| | | 11.85 | 7.47 | 19.31 | ONE | 19.838 | 198.5 | 66.4 | 26.4 | | | | | | | | | | |
| 45770.0 | 48190.0 | 0.624 | 196.6 | -7.8 | -0.34 | 1.421 | 66.6 | 1.005 | ******* | 46.6 | 155.4 | 0.838D | NA | 0.81 | 0.330 | 168.3 | 120.4 | -81.1 | 0.351 |
| | | 13.81 | 7.48 | 21.29 | ONE | 19.838 | 198.5 | 66.4 | 26.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448290.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48290.0 | 0.605 | 226.6 | -15.4 | C.94 | 1.422 | 111.9 | 0.991 | 96.832 | 316.0 | 517.1 | 0.847 | 192.816A | -0.18 | 0.304 | 167.3 | 124.6 | -80.4 | 0.327 |
| | | 13.34 | 7.04 | 20.38 | TWO | 20.281 | 197.5 | 65.3 | 28.9 | | | | | | | | | | |
| 45690.0 | 48290.0 | 0.542 | 228.3 | -13.3 | 1.78 | 1.423 | 107.3 | 0.992 | 115.169 | 325.3 | 516.2 | 0.897 | 229.442A | -1.05 | 0.307 | 167.1 | 121.5 | -80.5 | 0.328 |
| | | 11.75 | 7.06 | 18.81 | TWO | 20.281 | 197.5 | 65.3 | 28.4 | | | | | | | | | | |
| 45710.0 | 48290.0 | 0.441 | 220.8 | -22.7 | -2.06 | 1.424 | 97.7 | 0.994 | 159.411 | 344.5 | 515.0 | 0.965 | 317.856A | 2.73 | 0.311 | 166.7 | 120.5 | -81.6 | 0.330 |
| | | 9.36 | 7.09 | 16.45 | ONE | 20.281 | 197.5 | 65.3 | 27.7 | | | | | | | | | | |
| 45720.0 | 48290.0 | 0.413 | 216.2 | -18.0 | -1.00 | 1.424 | 92.8 | 0.995 | 180.257 | 354.3 | 514.7 | 0.982 | 359.533A | 1.64 | 0.312 | 166.7 | 118.6 | -81.4 | 0.331 |
| | | 8.73 | 7.10 | 15.83 | ONE | 20.281 | 197.5 | 65.3 | 27.6 | | | | | | | | | | |
| 45730.0 | 48290.0 | 0.410 | 209.8 | -14.7 | -0.68 | 1.423 | 87.8 | 0.995 | 194.114 | 4.4 | 154.6 | 0.984D | 387.245A | 1.29 | 0.313 | 166.7 | 118.0 | -81.4 | 0.331 |
| | | 8.66 | 7.11 | 15.77 | ONE | 20.281 | 197.5 | 65.3 | 27.5 | | | | | | | | | | |
| 45740.0 | 48290.0 | 0.433 | 203.7 | -11.7 | -0.53 | 1.422 | 82.6 | 0.995 | 196.889 | 14.7 | 154.8 | 0.970D | 392.808A | 1.10 | 0.313 | 166.8 | 118.2 | -81.3 | 0.332 |
| | | 9.16 | 7.12 | 16.28 | ONE | 20.281 | 197.5 | 65.3 | 27.5 | | | | | | | | | | |
| 45750.0 | 48290.0 | 0.479 | 199.2 | -9.5 | -0.44 | 1.421 | 77.4 | 0.995 | 188.263 | 25.3 | 155.2 | 0.941D | 375.584A | 0.98 | 0.312 | 167.0 | 119.1 | -81.2 | 0.332 |
| | | 10.23 | 7.13 | 17.35 | ONE | 20.281 | 197.5 | 65.3 | 27.7 | | | | | | | | | | |
| 45760.0 | 48290.0 | 0.543 | 196.8 | -8.2 | -0.39 | 1.419 | 72.1 | 0.995 | 171.824 | 36.0 | 155.9 | 0.897D | 342.751A | 0.89 | 0.311 | 167.2 | 120.7 | -81.1 | 0.333 |
| | | 11.78 | 7.14 | 18.92 | ONE | 20.281 | 197.5 | 65.3 | 28.0 | | | | | | | | | | |
| 45770.0 | 48290.0 | 0.621 | 196.3 | -7.8 | -0.36 | 1.417 | 66.6 | 0.995 | 152.394 | 46.9 | 156.8 | 0.836D | 303.952A | 0.82 | 0.310 | 167.6 | 122.9 | -80.8 | 0.333 |
| | | 13.73 | 7.14 | 20.88 | ONE | 20.281 | 197.5 | 65.3 | 28.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448390.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48390.0 | 0.600 | 226.5 | -15.3 | 0.93 | 1.418 | 111.7 | 0.982 | 48.141 | 316.2 | 518.4 | 0.849 | 95.434A | -0.17 | 0.286 | 166.5 | 126.9 | -80.1 | 0.311 |
| | | 13.19 | 6.76 | 19.95 | TWO | 18.818 | 196.7 | 64.2 | 30.5 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45690.0 | 48390.0 | 0.536 | 228.1 | -13.5 | 1.68 | 1.419 | 107.1 | 0.983 | 51.882 | 325.5 | 517.6 | 0.898 | 102.866A | -0.95 | 0.289 | 166.3 | 123.9 | -80.3 | 0.312 |
| | | 11.61 | 6.78 | 18.39 | TWO | 18.818 | 196.7 | 64.2 | 30.0 | | | | | | | | | | |
| 45700.0 | 48390.0 | 0.525 | 235.2 | 9.9 | 10.48 | 1.420 | 102.4 | 0.983 | 55.427 | 335.0 | 516.9 | 0.938 | 109.916A | -9.78 | 0.291 | 166.1 | 117.3 | -78.7 | 0.314 |
| | | 11.35 | 6.80 | 18.15 | TWO | 18.818 | 196.7 | 64.2 | 29.8 | | | | | | | | | | |
| 45710.0 | 48390.0 | 0.437 | 220.0 | -23.8 | -2.43 | 1.420 | 97.6 | 0.983 | 58.492 | 344.7 | 516.4 | 0.966 | 116.018A | 3.10 | 0.293 | 165.9 | 123.4 | -81.4 | 0.314 |
| | | 9.27 | 6.80 | 16.07 | ONE | 18.818 | 196.7 | 64.2 | 29.3 | | | | | | | | | | |
| 45720.0 | 48390.0 | 0.409 | 215.6 | -18.2 | -1.11 | 1.420 | 92.7 | 0.984 | 60.779 | 354.6 | 516.2 | 0.982 | 120.576A | 1.74 | 0.294 | 165.9 | 121.2 | -81.3 | 0.315 |
| | | 8.64 | 6.81 | 15.45 | ONE | 18.818 | 196.7 | 64.2 | 29.1 | | | | | | | | | | |
| 45730.0 | 48390.0 | 0.406 | 209.2 | -14.7 | -0.73 | 1.419 | 87.6 | 0.984 | 62.050 | 4.7 | 156.1 | 0.983D | 123.116A | 1.33 | 0.294 | 165.9 | 120.6 | -81.2 | 0.315 |
| | | 8.58 | 6.82 | 15.40 | ONE | 18.818 | 196.7 | 64.2 | 29.1 | | | | | | | | | | |
| 45740.0 | 48390.0 | 0.430 | 203.1 | -11.6 | -0.56 | 1.418 | 82.5 | 0.984 | 62.186 | 15.1 | 156.3 | 0.970D | 123.403A | 1.13 | 0.294 | 166.0 | 120.8 | -81.1 | 0.315 |
| | | 9.10 | 6.83 | 15.92 | ONE | 18.818 | 196.7 | 64.2 | 29.1 | | | | | | | | | | |
| 45750.0 | 48390.0 | 0.476 | 198.8 | -9.4 | -0.47 | 1.417 | 77.3 | 0.985 | 61.237 | 25.6 | 156.7 | 0.941D | 121.533A | 1.00 | 0.294 | 166.2 | 121.7 | -81.0 | 0.316 |
| | | 10.17 | 6.83 | 17.00 | ONE | 18.818 | 196.7 | 64.2 | 29.3 | | | | | | | | | | |
| 45760.0 | 48390.0 | 0.540 | 196.5 | -8.1 | -0.41 | 1.415 | 72.0 | 0.985 | 59.393 | 36.3 | 157.3 | 0.896D | 117.890A | 0.90 | 0.293 | 166.5 | 123.2 | -80.8 | 0.316 |
| | | 11.72 | 6.84 | 18.56 | ONE | 18.818 | 196.7 | 64.2 | 29.6 | | | | | | | | | | |
| 45770.0 | 48390.0 | 0.618 | 196.1 | -7.7 | -0.38 | 1.413 | 66.6 | 0.985 | 56.934 | 47.2 | 158.2 | 0.836D | 113.032A | 0.82 | 0.292 | 166.9 | 125.4 | -80.6 | 0.317 |
| | | 13.66 | 6.85 | 20.51 | ONE | 18.818 | 196.7 | 64.2 | 30.0 | | | | | | | | | | |
| ARRIVAL DATE = 2448490.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48490.0 | 0.595 | 226.4 | -15.3 | 0.92 | 1.415 | 111.6 | 0.975 | 33.442 | 316.3 | 519.7 | 0.850 | 66.034A | -0.16 | 0.270 | 165.7 | 129.2 | -79.8 | 0.297 |
| | | 13.07 | 6.51 | 19.58 | TWO | 18.788 | 195.9 | 63.2 | 32.2 | | | | | | | | | | |
| 45690.0 | 48490.0 | 0.531 | 227.9 | -13.6 | 1.59 | 1.416 | 106.9 | 0.974 | 35.049 | 325.6 | 518.9 | 0.899 | 69.198A | -0.87 | 0.272 | 165.5 | 126.3 | -80.0 | 0.298 |
| | | 11.49 | 6.52 | 18.01 | TWO | 18.788 | 195.9 | 63.2 | 31.6 | | | | | | | | | | |
| 45700.0 | 48490.0 | 0.495 | 231.7 | 1.4 | 6.85 | 1.417 | 102.2 | 0.974 | 36.486 | 335.2 | 518.2 | 0.939 | 72.034A | -6.16 | 0.274 | 165.2 | 120.9 | -79.2 | 0.299 |
| | | 10.61 | 6.54 | 17.15 | TWO | 18.788 | 195.9 | 63.2 | 31.3 | | | | | | | | | | |
| 45710.0 | 48490.0 | 0.434 | 219.2 | -25.3 | -2.93 | 1.417 | 97.4 | 0.974 | 37.663 | 345.0 | 517.8 | 0.967 | 74.360A | 3.58 | 0.276 | 165.1 | 126.6 | -81.3 | 0.299 |
| | | 9.20 | 6.55 | 15.75 | ONE | 18.788 | 195.9 | 63.2 | 30.9 | | | | | | | | | | |
| 45720.0 | 48490.0 | 0.405 | 215.1 | -18.5 | -1.22 | 1.417 | 92.5 | 0.974 | 38.497 | 354.9 | 517.5 | 0.982 | 76.011A | 1.85 | 0.277 | 165.0 | 124.0 | -81.0 | 0.300 |
| | | 8.56 | 6.55 | 15.11 | ONE | 18.788 | 195.9 | 63.2 | 30.7 | | | | | | | | | | |
| 45730.0 | 48490.0 | 0.403 | 208.7 | -14.7 | -0.79 | 1.416 | 87.5 | 0.975 | 38.930 | 5.0 | 157.5 | 0.983D | 76.876A | 1.38 | 0.277 | 165.1 | 123.3 | -81.0 | 0.300 |
| | | 8.51 | 6.56 | 15.07 | ONE | 18.788 | 195.9 | 63.2 | 30.7 | | | | | | | | | | |
| 45740.0 | 48490.0 | 0.427 | 202.7 | -11.6 | -0.66 | 1.415 | 82.5 | 0.975 | 38.941 | 15.3 | 157.6 | 0.969D | 76.912A | 1.15 | 0.277 | 165.2 | 123.4 | -80.9 | 0.300 |
| | | 9.04 | 6.57 | 15.60 | ONE | 18.788 | 195.9 | 63.2 | 30.7 | | | | | | | | | | |
| 45750.0 | 48490.0 | 0.474 | 198.4 | -9.4 | -0.49 | 1.413 | 77.3 | 0.976 | 38.552 | 25.8 | 158.0 | 0.940D | 76.163A | 1.01 | 0.277 | 165.4 | 124.3 | -80.8 | 0.301 |
| | | 10.11 | 6.57 | 16.68 | ONE | 18.788 | 195.9 | 63.2 | 30.9 | | | | | | | | | | |
| 45760.0 | 48490.0 | 0.538 | 196.3 | -8.1 | -0.43 | 1.411 | 72.0 | 0.976 | 37.821 | 36.4 | 158.6 | 0.895D | 74.747A | 0.91 | 0.276 | 165.7 | 125.9 | -80.6 | 0.301 |
| | | 11.65 | 6.58 | 18.23 | ONE | 18.788 | 195.9 | 63.2 | 31.3 | | | | | | | | | | |
| 45770.0 | 48490.0 | 0.615 | 196.0 | -7.7 | -0.39 | 1.409 | 66.6 | 0.977 | 36.834 | 47.3 | 159.5 | 0.835D | 72.832A | 0.83 | 0.275 | 166.1 | 127.9 | -80.3 | 0.302 |
| | | 13.58 | 6.59 | 20.17 | ONE | 18.788 | 195.9 | 63.2 | 31.7 | | | | | | | | | | |
| ARRIVAL DATE = 2448590.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48590.0 | 0.591 | 226.4 | -15.3 | 0.91 | 1.412 | 111.5 | 0.968 | 26.380 | 316.3 | 520.8 | 0.851 | 51.910A | -0.15 | 0.254 | 164.9 | 131.6 | -79.5 | 0.284 |
| | | 12.98 | 6.29 | 19.27 | TWO | 20.299 | 195.1 | 62.1 | 33.9 | | | | | | | | | | |
| 45690.0 | 48590.0 | 0.527 | 227.8 | -13.7 | 1.52 | 1.413 | 106.8 | 0.967 | 27.288 | 325.7 | 520.1 | 0.900 | 53.676A | -0.80 | 0.257 | 164.6 | 128.8 | -79.7 | 0.284 |
| | | 11.40 | 6.30 | 17.69 | TWO | 20.299 | 195.1 | 62.1 | 33.3 | | | | | | | | | | |
| 45700.0 | 48590.0 | 0.482 | 230.1 | -2.9 | 5.19 | 1.414 | 102.1 | 0.967 | 28.078 | 335.3 | 519.5 | 0.939 | 55.216A | -4.50 | 0.259 | 164.4 | 124.1 | -79.2 | 0.285 |
| | | 10.31 | 6.31 | 16.62 | TWO | 20.299 | 195.1 | 62.1 | 32.9 | | | | | | | | | | |
| 45710.0 | 48590.0 | 0.433 | 218.2 | -27.4 | -3.60 | 1.414 | 97.3 | 0.966 | 28.707 | 345.1 | 519.1 | 0.967 | 56.446A | 4.26 | 0.260 | 164.2 | 130.1 | -81.1 | 0.286 |
| | | 9.17 | 6.32 | 15.49 | ONE | 20.299 | 195.1 | 62.1 | 32.6 | | | | | | | | | | |
| 45720.0 | 48590.0 | 0.402 | 214.7 | -18.9 | -1.35 | 1.414 | 92.4 | 0.966 | 29.140 | 355.0 | 518.8 | 0.982 | 57.297A | 1.98 | 0.261 | 164.2 | 126.9 | -80.8 | 0.286 |
| | | 8.49 | 6.32 | 14.82 | ONE | 20.299 | 195.1 | 62.1 | 32.4 | | | | | | | | | | |
| 45730.0 | 48590.0 | 0.401 | 208.4 | -14.9 | -0.85 | 1.413 | 87.5 | 0.967 | 29.353 | 5.1 | 158.8 | 0.983D | 57.723A | 1.44 | 0.262 | 164.2 | 126.1 | -80.7 | 0.286 |
| | | 8.45 | 6.33 | 14.78 | ONE | 20.299 | 195.1 | 62.1 | 32.3 | | | | | | | | | | |
| 45740.0 | 48590.0 | 0.425 | 202.4 | -11.7 | -0.64 | 1.412 | 82.4 | 0.967 | 29.341 | 15.4 | 158.9 | 0.969D | 57.714A | 1.19 | 0.262 | 164.3 | 126.2 | -80.6 | 0.287 |
| | | 8.98 | 6.34 | 15.32 | ONE | 20.299 | 195.1 | 62.1 | 32.4 | | | | | | | | | | |
| 45750.0 | 48590.0 | 0.471 | 198.2 | -9.4 | -0.52 | 1.410 | 77.3 | 0.968 | 29.116 | 25.9 | 159.3 | 0.940D | 57.292A | 1.03 | 0.261 | 164.5 | 127.1 | -80.5 | 0.287 |
| | | 10.05 | 6.34 | 16.39 | ONE | 20.299 | 195.1 | 62.1 | 32.6 | | | | | | | | | | |
| 45760.0 | 48590.0 | 0.535 | 196.1 | -8.1 | -0.45 | 1.408 | 72.0 | 0.969 | 28.705 | 36.6 | 159.9 | 0.895D | 56.515A | 0.92 | 0.260 | 164.8 | 128.5 | -80.2 | 0.287 |
| | | 11.58 | 6.35 | 17.93 | ONE | 20.299 | 195.1 | 62.1 | 32.9 | | | | | | | | | | |
| 45770.0 | 48590.0 | 0.611 | 195.9 | -7.7 | -0.41 | 1.406 | 66.7 | 0.970 | 28.149 | 47.4 | 160.7 | 0.836D | 55.462A | 0.84 | 0.259 | 165.3 | 130.5 | -79.9 | 0.288 |
| | | 13.49 | 6.36 | 19.85 | ONE | 20.299 | 195.1 | 62.1 | 33.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448690.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48690.0 | 0.588 | 226.4 | -15.3 | 0.90 | 1.409 | 111.4 | 0.962 | 22.250 | 316.3 | 522.0 | 0.851 | 43.650A | -0.15 | 0.240 | 164.0 | 134.0 | -79.1 | 0.271 |
| | | 12.91 | 6.09 | 19.00 | TWO | 19.980 | 194.5 | 61.0 | 35.6 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45690.0 | 48690.0 | 0.524 | 227.7 | -13.9 | 1.47 | 1.410 | 106.8 | 0.961 | 22.843 | 325.7 | 521.2 | 0.900 | 44.785A | -0.75 | 0.242 | 163.7 | 131.3 | -79.3 | 0.272 |
| | | 11.32 | 6.10 | 17.42 | TWO | 19.980 | 194.5 | 61.0 | 35.0 | | | | | | | | | | |
| 45700.0 | 48690.0 | 0.475 | 229.2 | -5.4 | 4.23 | 1.411 | 102.1 | 0.960 | 23.349 | 335.4 | 520.7 | 0.939 | 45.759A | -3.54 | 0.244 | 163.5 | 127.1 | -79.0 | 0.273 |
| | | 10.15 | 6.11 | 16.25 | TWO | 19.980 | 194.5 | 61.0 | 34.6 | | | | | | | | | | |
| 45710.0 | 48690.0 | 0.434 | 217.1 | -30.4 | -4.58 | 1.411 | 97.3 | 0.959 | 23.746 | 345.2 | 520.3 | 0.967 | 46.524A | 5.23 | 0.246 | 163.3 | 134.2 | -80.9 | 0.273 |
| | | 9.20 | 6.12 | 15.31 | ONE | 19.980 | 194.5 | 61.0 | 34.3 | | | | | | | | | | |
| 45720.0 | 48690.0 | 0.400 | 214.4 | -19.4 | -1.50 | 1.411 | 92.4 | 0.959 | 24.013 | 355.1 | 520.0 | 0.982 | 47.044A | 2.12 | 0.247 | 163.3 | 129.8 | -80.5 | 0.273 |
| | | 8.44 | 6.12 | 14.56 | ONE | 19.980 | 194.5 | 61.0 | 34.1 | | | | | | | | | | |
| 45730.0 | 48690.0 | 0.398 | 208.2 | -15.0 | -0.92 | 1.410 | 87.4 | 0.959 | 24.140 | 5.2 | 160.0 | 0.983D | 47.296A | 1.50 | 0.247 | 163.3 | 128.9 | -80.4 | 0.274 |
| | | 8.40 | 6.12 | 14.52 | ONE | 19.980 | 194.5 | 61.0 | 34.0 | | | | | | | | | | |
| 45740.0 | 48690.0 | 0.422 | 202.3 | -11.7 | -0.68 | 1.409 | 82.4 | 0.960 | 24.122 | 15.5 | 160.1 | 0.969D | 47.276A | 1.22 | 0.247 | 163.4 | 129.0 | -80.3 | 0.274 |
| | | 8.93 | 6.13 | 15.06 | ONE | 19.980 | 194.5 | 61.0 | 34.1 | | | | | | | | | | |
| 45750.0 | 48690.0 | 0.469 | 198.1 | -9.4 | -0.55 | 1.408 | 77.3 | 0.961 | 23.969 | 26.0 | 160.5 | 0.940D | 46.999A | 1.05 | 0.246 | 163.6 | 129.8 | -80.1 | 0.274 |
| | | 9.99 | 6.14 | 16.13 | ONE | 19.980 | 194.5 | 61.0 | 34.3 | | | | | | | | | | |
| 45760.0 | 48690.0 | 0.532 | 196.0 | -8.1 | -0.47 | 1.406 | 72.1 | 0.962 | 23.697 | 36.6 | 161.0 | 0.895D | 46.499A | 0.94 | 0.246 | 163.9 | 131.2 | -79.9 | 0.275 |
| | | 11.51 | 6.14 | 17.66 | ONE | 19.980 | 194.5 | 61.0 | 34.7 | | | | | | | | | | |
| 45770.0 | 48690.0 | 0.608 | 195.9 | -7.7 | -0.43 | 1.404 | 66.8 | 0.964 | 23.329 | 47.3 | 161.8 | 0.836D | 45.822A | 0.84 | 0.244 | 164.4 | 133.1 | -79.5 | 0.275 |
| | | 13.41 | 6.15 | 19.56 | ONE | 19.980 | 194.5 | 61.0 | 35.1 | | | | | | | | | | |
| ARRIVAL DATE = 2448790.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48790.0 | 0.586 | 226.5 | -15.4 | 0.90 | 1.407 | 111.4 | 0.956 | 19.554 | 316.2 | 523.0 | 0.851 | 38.257A | -0.14 | 0.226 | 163.0 | 136.4 | -78.6 | 0.260 |
| | | 12.85 | 5.91 | 18.77 | TWO | 18.584 | 193.8 | 59.9 | 37.4 | | | | | | | | | | |
| 45690.0 | 48790.0 | 0.522 | 227.8 | -14.0 | 1.41 | 1.408 | 106.7 | 0.955 | 19.976 | 325.7 | 522.3 | 0.900 | 39.052A | -0.70 | 0.229 | 162.7 | 133.7 | -78.9 | 0.261 |
| | | 11.26 | 5.92 | 17.18 | TWO | 18.584 | 193.8 | 59.9 | 36.8 | | | | | | | | | | |
| 45700.0 | 48790.0 | 0.471 | 228.7 | -7.0 | 3.60 | 1.409 | 102.0 | 0.954 | 20.333 | 335.3 | 521.8 | 0.940 | 39.727A | -2.92 | 0.231 | 162.5 | 130.0 | -78.7 | 0.261 |
| | | 10.04 | 5.93 | 15.97 | TWO | 18.584 | 193.8 | 59.9 | 36.4 | | | | | | | | | | |
| 45710.0 | 48790.0 | 0.440 | 215.3 | -35.2 | -6.15 | 1.409 | 97.2 | 0.953 | 20.669 | 345.2 | 521.4 | 0.967 | 40.252A | 6.80 | 0.232 | 162.4 | 139.1 | -80.8 | 0.262 |
| | | 9.33 | 5.94 | 15.27 | ONE | 18.584 | 193.8 | 59.9 | 36.1 | | | | | | | | | | |
| 45720.0 | 48790.0 | 0.398 | 214.1 | -20.0 | -1.68 | 1.409 | 92.4 | 0.953 | 20.793 | 355.1 | 521.2 | 0.982 | 40.604A | 2.29 | 0.233 | 162.3 | 132.8 | -80.2 | 0.262 |
| | | 8.39 | 5.94 | 14.33 | ONE | 18.584 | 193.8 | 59.9 | 35.8 | | | | | | | | | | |
| 45730.0 | 48790.0 | 0.396 | 208.0 | -15.3 | -0.99 | 1.408 | 87.4 | 0.953 | 20.876 | 5.2 | 161.1 | 0.983D | 40.770A | 1.56 | 0.233 | 162.3 | 131.8 | -80.0 | 0.262 |
| | | 8.35 | 5.94 | 14.29 | ONE | 18.584 | 193.8 | 59.9 | 35.7 | | | | | | | | | | |
| 45740.0 | 48790.0 | 0.420 | 202.2 | -11.9 | -0.72 | 1.407 | 82.4 | 0.954 | 20.859 | 15.5 | 161.3 | 0.969D | 40.748A | 1.25 | 0.233 | 162.4 | 131.8 | -79.9 | 0.262 |
| | | 8.87 | 5.95 | 14.82 | ONE | 18.584 | 193.8 | 59.9 | 35.8 | | | | | | | | | | |
| 45750.0 | 48790.0 | 0.466 | 198.0 | -9.5 | -0.58 | 1.405 | 77.3 | 0.955 | 20.745 | 26.0 | 161.6 | 0.940D | 40.550A | 1.07 | 0.233 | 162.7 | 132.5 | -79.7 | 0.263 |
| | | 9.93 | 5.95 | 15.88 | ONE | 18.584 | 193.8 | 59.9 | 36.0 | | | | | | | | | | |
| 45760.0 | 48790.0 | 0.529 | 196.0 | -8.2 | -0.50 | 1.404 | 72.1 | 0.956 | 20.547 | 36.6 | 162.1 | 0.896D | 40.198A | 0.95 | 0.232 | 163.0 | 133.8 | -79.5 | 0.263 |
| | | 11.44 | 5.96 | 17.40 | ONE | 18.584 | 193.8 | 59.9 | 36.4 | | | | | | | | | | |
| 45770.0 | 48790.0 | 0.605 | 195.9 | -7.8 | -0.45 | 1.401 | 66.9 | 0.959 | 20.279 | 47.3 | 162.8 | 0.837D | 39.720A | 0.85 | 0.230 | 163.5 | 135.5 | -79.1 | 0.264 |
| | | 13.32 | 5.97 | 19.29 | ONE | 18.584 | 193.8 | 59.9 | 36.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448890.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48890.0 | 0.585 | 226.6 | -15.4 | 0.89 | 1.405 | 111.4 | 0.952 | 17.664 | 316.1 | 524.0 | 0.850 | 34.478A | -0.14 | 0.214 | 162.0 | 138.7 | -78.1 | 0.250 |
| | | 12.81 | 5.76 | 18.57 | TWO | 19.311 | 193.2 | 58.8 | 39.2 | | | | | | | | | | |
| 45690.0 | 48890.0 | 0.520 | 227.8 | -14.1 | 1.37 | 1.406 | 106.7 | 0.950 | 17.984 | 325.6 | 523.4 | 0.900 | 35.068A | -0.65 | 0.216 | 161.7 | 136.2 | -78.4 | 0.250 |
| | | 11.22 | 5.76 | 16.98 | TWO | 19.311 | 193.2 | 58.8 | 38.6 | | | | | | | | | | |
| 45700.0 | 48890.0 | 0.468 | 228.4 | -8.3 | 3.17 | 1.407 | 102.0 | 0.949 | 18.252 | 335.3 | 522.9 | 0.939 | 35.565A | -2.49 | 0.218 | 161.5 | 132.8 | -78.4 | 0.250 |
| | | 9.97 | 5.77 | 15.73 | TWO | 19.311 | 193.2 | 58.8 | 38.1 | | | | | | | | | | |
| 45710.0 | 48890.0 | 0.459 | 212.0 | -43.4 | -9.03 | 1.407 | 97.2 | 0.948 | 18.458 | 345.1 | 522.5 | 0.967 | 35.949A | 9.67 | 0.219 | 161.3 | 146.2 | -80.8 | 0.252 |
| | | 9.77 | 5.78 | 15.56 | ONE | 19.311 | 193.2 | 58.8 | 38.0 | | | | | | | | | | |
| 45720.0 | 48890.0 | 0.396 | 213.9 | -20.7 | -1.88 | 1.407 | 92.4 | 0.947 | 18.593 | 355.1 | 522.3 | 0.982 | 36.204A | 2.49 | 0.220 | 161.3 | 135.8 | -79.8 | 0.251 |
| | | 8.36 | 5.77 | 14.13 | ONE | 19.311 | 193.2 | 58.8 | 37.6 | | | | | | | | | | |
| 45730.0 | 48890.0 | 0.394 | 208.0 | -15.6 | -1.07 | 1.406 | 87.5 | 0.947 | 18.653 | 5.2 | 162.2 | 0.983D | 36.322A | 1.63 | 0.221 | 161.3 | 134.6 | -79.6 | 0.251 |
| | | 8.31 | 5.78 | 14.08 | ONE | 19.311 | 193.2 | 58.8 | 37.5 | | | | | | | | | | |
| 45740.0 | 48890.0 | 0.418 | 202.2 | -12.0 | -0.76 | 1.405 | 82.5 | 0.948 | 18.636 | 15.5 | 162.4 | 0.969D | 36.302A | 1.29 | 0.221 | 161.4 | 134.5 | -79.5 | 0.252 |
| | | 8.82 | 5.78 | 14.61 | ONE | 19.311 | 193.2 | 58.8 | 37.6 | | | | | | | | | | |
| 45750.0 | 48890.0 | 0.463 | 198.1 | -9.6 | -0.61 | 1.403 | 77.4 | 0.949 | 18.546 | 25.9 | 162.7 | 0.940D | 36.153A | 1.09 | 0.220 | 161.7 | 135.1 | -79.3 | 0.252 |
| | | 9.87 | 5.79 | 15.66 | ONE | 19.311 | 193.2 | 58.8 | 37.8 | | | | | | | | | | |
| 45760.0 | 48890.0 | 0.526 | 196.1 | -8.3 | -0.52 | 1.401 | 72.2 | 0.951 | 18.393 | 36.5 | 163.? | 0.896D | 35.889A | 0.96 | 0.219 | 162.0 | 136.3 | -79.0 | 0.253 |
| | | 11.37 | 5.80 | 17.17 | ONE | 19.311 | 193.2 | 58.8 | 38.2 | | | | | | | | | | |
| 45770.0 | 48890.0 | 0.601 | 196.0 | -7.9 | -0.47 | 1.399 | 67.0 | 0.954 | 18.186 | 47.1 | 163.8 | 0.838D | 35.533A | 0.86 | 0.218 | 162.5 | 138.0 | -78.6 | 0.253 |
| | | 13.23 | 5.81 | 19.04 | ONE | 19.311 | 193.2 | 58.8 | 38.7 | | | | | | | | | | |
| ARRIVAL DATE = 2448990.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 48990.0 | 0.584 | 226.8 | -15.5 | 0.89 | 1.403 | 111.4 | 0.948 | 16.274 | 315.9 | 525.0 | 0.850 | 31.698A | -0.13 | 0.202 | 161.0 | 141.0 | -77.5 | 0.240 |
| | | 12.79 | 5.62 | 18.41 | TWO | 20.545 | 192.7 | 57.7 | 41.0 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED | R A | DECL | I 1 | V 1 | PSI 1 | ECCEN | SMA | THETI | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DV1 | DV2 | DVT | LEG | CDIST | RAS | DECLS | LAMDA | | | | | | | | | | |
| 45690.0 | 48990.0 | 0.519 | 228.0 | -14.3 | 1.33 | 1.404 | 106.8 | 0.946 | 16.527 | 325.5 | 524.4 | 0.900 | 32.155A | -0.62 | 0.204 | 160.7 | 138.6 | -77.9 | 0.241 |
| | | 11.20 | 5.62 | 16.81 | TWO | 20.545 | 192.7 | 57.7 | 40.4 | | | | | | | | | | |
| 45700.0 | 48990.0 | 0.465 | 228.3 | -9.2 | 2.84 | 1.405 | 102.1 | 0.944 | 16.738 | 335.2 | 523.9 | 0.939 | 32.537A | -2.17 | 0.206 | 160.4 | 135.4 | -78.0 | 0.241 |
| | | 9.92 | 5.62 | 15.54 | TWO | 20.545 | 192.7 | 57.7 | 39.9 | | | | | | | | | | |
| 45710.0 | 48990.0 | 0.533 | 202.0 | -60.1 | -15.99 | 1.405 | 97.2 | 0.943 | 16.899 | 345.1 | 523.5 | 0.967 | 32.831A | 16.63 | 0.207 | 160.3 | 160.5 | -80.8 | 0.244 |
| | | 11.53 | 5.66 | 17.20 | ONE | 20.545 | 192.7 | 57.7 | 40.3 | | | | | | | | | | |
| 45720.0 | 48990.0 | 0.395 | 213.8 | -21.6 | -2.12 | 1.405 | 92.4 | 0.942 | 17.003 | 355.0 | 523.3 | 0.982 | 33.025A | 2.72 | 0.208 | 160.2 | 138.7 | -79.3 | 0.241 |
| | | 8.33 | 5.63 | 13.96 | ONE | 20.545 | 192.7 | 57.7 | 39.4 | | | | | | | | | | |
| 45730.0 | 48990.0 | 0.392 | 208.0 | -15.9 | -1.16 | 1.404 | 87.5 | 0.942 | 17.048 | 5.1 | 163.3 | 0.983D | 33.113A | 1.71 | 0.209 | 160.2 | 137.3 | -79.2 | 0.241 |
| | | 8.27 | 5.63 | 13.90 | ONE | 20.545 | 192.7 | 57.7 | 39.3 | | | | | | | | | | |
| 45740.0 | 48990.0 | 0.415 | 202.2 | -12.2 | -0.81 | 1.403 | 82.5 | 0.943 | 17.033 | 15.4 | 163.4 | 0.969D | 33.096A | 1.33 | 0.209 | 160.3 | 137.1 | -79.1 | 0.242 |
| | | 8.78 | 5.64 | 14.41 | ONE | 20.545 | 192.7 | 57.7 | 39.4 | | | | | | | | | | |
| 45750.0 | 48990.0 | 0.461 | 198.2 | -9.8 | -0.64 | 1.402 | 77.5 | 0.945 | 16.960 | 25.8 | 163.7 | 0.941D | 32.979A | 1.12 | 0.208 | 160.6 | 137.7 | -78.8 | 0.242 |
| | | 9.81 | 5.64 | 15.45 | ONE | 20.545 | 192.7 | 57.7 | 39.6 | | | | | | | | | | |
| 45760.0 | 48990.0 | 0.523 | 196.2 | -8.4 | -0.54 | 1.400 | 72.4 | 0.947 | 16.836 | 36.3 | 164.2 | 0.897D | 32.774A | 0.98 | 0.207 | 160.9 | 138.8 | -78.5 | 0.243 |
| | | 11.29 | 5.65 | 16.95 | ONE | 20.545 | 192.7 | 57.7 | 40.0 | | | | | | | | | | |
| 45770.0 | 48990.0 | 0.598 | 196.1 | -8.0 | -0.49 | 1.398 | 67.2 | 0.950 | 16.669 | 47.0 | 164.8 | 0.840D | 32.497A | 0.87 | 0.205 | 161.4 | 140.3 | -78.1 | 0.244 |
| | | 13.14 | 5.66 | 18.80 | ONE | 20.545 | 192.7 | 57.7 | 40.5 | | | | | | | | | | |

ARRIVAL DATE = 2449090.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49090.0 | 0.584 | 227.0 | -15.5 | 0.88 | 1.402 | 111.5 | 0.944 | 15.214 | 315.7 | 525.9 | 0.849 | 29.578A | -0.13 | 0.191 | 159.9 | 143.1 | -77.0 | 0.232 |
| | | 12.79 | 5.49 | 18.28 | TWO | 19.550 | 192.1 | 56.6 | 42.9 | | | | | | | | | | |
| 45690.0 | 49090.0 | 0.519 | 228.2 | -14.4 | 1.29 | 1.403 | 106.8 | 0.942 | 15.421 | 325.3 | 525.3 | 0.899 | 29.942A | -0.58 | 0.193 | 159.6 | 140.9 | -77.4 | 0.232 |
| | | 11.18 | 5.49 | 16.67 | TWO | 19.550 | 192.1 | 56.6 | 42.3 | | | | | | | | | | |
| 45700.0 | 49090.0 | 0.464 | 228.3 | -10.0 | 2.59 | 1.404 | 102.1 | 0.940 | 15.593 | 335.0 | 524.8 | 0.939 | 30.246A | -1.92 | 0.195 | 159.3 | 138.0 | -77.5 | 0.232 |
| | | 9.88 | 5.50 | 15.38 | TWO | 19.550 | 192.1 | 56.6 | 41.8 | | | | | | | | | | |
| 45720.0 | 49090.0 | 0.395 | 213.7 | -22.6 | -2.41 | 1.403 | 92.5 | 0.938 | 15.807 | 354.9 | 524.3 | 0.982 | 30.632A | 3.01 | 0.197 | 159.1 | 141.6 | -78.9 | 0.232 |
| | | 8.32 | 5.50 | 13.82 | ONE | 19.550 | 192.1 | 56.6 | 41.2 | | | | | | | | | | |
| 45730.0 | 49090.0 | 0.391 | 208.1 | -16.3 | -1.25 | 1.403 | 87.6 | 0.938 | 15.842 | 5.0 | 164.2 | 0.983D | 30.701A | 1.80 | 0.197 | 159.1 | 139.9 | -78.7 | 0.232 |
| | | 8.23 | 5.50 | 13.73 | ONE | 19.550 | 192.1 | 56.6 | 41.2 | | | | | | | | | | |
| 45740.0 | 49090.0 | 0.413 | 202.4 | -12.5 | -0.86 | 1.401 | 82.6 | 0.939 | 15.828 | 15.2 | 164.4 | 0.970D | 30.686A | 1.37 | 0.197 | 159.2 | 139.7 | -78.5 | 0.233 |
| | | 8.73 | 5.51 | 14.24 | ONE | 19.550 | 192.1 | 56.6 | 41.2 | | | | | | | | | | |
| 45750.0 | 49090.0 | 0.458 | 198.3 | -9.9 | -0.68 | 1.400 | 77.6 | 0.940 | 15.767 | 25.6 | 164.6 | 0.941D | 30.592A | 1.14 | 0.197 | 159.5 | 140.2 | -78.3 | 0.233 |
| | | 9.75 | 5.51 | 15.26 | ONE | 19.550 | 192.1 | 56.6 | 41.5 | | | | | | | | | | |
| 45760.0 | 49090.0 | 0.520 | 196.4 | -8.5 | -0.57 | 1.398 | 72.5 | 0.943 | 15.664 | 36.1 | 165.1 | 0.898D | 30.429A | 0.99 | 0.196 | 159.8 | 141.1 | -78.0 | 0.234 |
| | | 11.22 | 5.52 | 16.74 | ONE | 19.550 | 192.1 | 56.6 | 41.8 | | | | | | | | | | |
| 45770.0 | 49090.0 | 0.594 | 196.3 | -8.1 | -0.51 | 1.396 | 67.3 | 0.946 | 15.525 | 46.7 | 165.7 | 0.842D | 30.208A | 0.88 | 0.194 | 160.3 | 142.5 | -77.6 | 0.235 |
| | | 13.05 | 5.53 | 18.58 | ONE | 19.550 | 192.1 | 56.6 | 42.3 | | | | | | | | | | |

ARRIVAL DATE = 2449190.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49190.0 | 0.584 | 227.2 | -15.6 | 0.88 | 1.401 | 111.6 | 0.941 | 14.383 | 315.5 | 526.8 | 0.847 | 27.918A | -0.12 | 0.180 | 158.7 | 145.2 | -76.3 | 0.224 |
| | | 12.79 | 5.38 | 18.17 | TWO | 18.595 | 191.6 | 55.6 | 44.8 | | | | | | | | | | |
| 45690.0 | 49190.0 | 0.518 | 228.4 | -14.6 | 1.26 | 1.402 | 106.9 | 0.938 | 14.557 | 325.1 | 526.2 | 0.898 | 28.216A | -0.55 | 0.183 | 158.4 | 143.0 | -76.8 | 0.224 |
| | | 11.18 | 5.38 | 16.56 | TWO | 18.595 | 191.6 | 55.6 | 44.2 | | | | | | | | | | |
| 45700.0 | 49190.0 | 0.463 | 228.4 | -10.6 | 2.40 | 1.402 | 102.2 | 0.936 | 14.701 | 334.8 | 525.7 | 0.938 | 28.463A | -1.73 | 0.184 | 158.1 | 140.4 | -76.9 | 0.224 |
| | | 9.86 | 5.38 | 15.24 | TWO | 18.595 | 191.6 | 55.6 | 43.7 | | | | | | | | | | |
| 45720.0 | 49190.0 | 0.395 | 213.5 | -24.0 | -2.77 | 1.402 | 92.6 | 0.934 | 14.879 | 354.7 | 525.2 | 0.982 | 28.776A | 3.36 | 0.187 | 157.9 | 144.5 | -78.4 | 0.224 |
| | | 8.32 | 5.39 | 13.70 | ONE | 18.595 | 191.6 | 55.6 | 43.1 | | | | | | | | | | |
| 45730.0 | 49190.0 | 0.389 | 208.3 | -16.8 | -1.36 | 1.401 | 87.7 | 0.934 | 14.908 | 4.8 | 165.2 | 0.983D | 28.832A | 1.90 | 0.187 | 157.9 | 142.5 | -78.2 | 0.224 |
| | | 8.20 | 5.39 | 13.59 | ONE | 18.595 | 191.6 | 55.6 | 43.0 | | | | | | | | | | |
| 45740.0 | 49190.0 | 0.411 | 202.6 | -12.8 | -0.92 | 1.400 | 82.7 | 0.935 | 14.895 | 15.0 | 165.3 | 0.970D | 28.820A | 1.42 | 0.187 | 158.0 | 142.1 | -78.0 | 0.224 |
| | | 8.68 | 5.39 | 14.07 | ONE | 18.595 | 191.6 | 55.6 | 43.1 | | | | | | | | | | |
| 45750.0 | 49190.0 | 0.456 | 198.5 | -10.2 | -0.71 | 1.399 | 77.7 | 0.937 | 14.843 | 25.4 | 165.6 | 0.942D | 28.743A | 1.17 | 0.186 | 158.3 | 142.5 | -77.8 | 0.225 |
| | | 9.69 | 5.40 | 15.09 | ONE | 18.595 | 191.6 | 55.6 | 43.3 | | | | | | | | | | |
| 45760.0 | 49190.0 | 0.517 | 196.6 | -8.7 | -0.59 | 1.397 | 72.6 | 0.939 | 14.755 | 35.9 | 166.0 | 0.900D | 28.610A | 1.01 | 0.185 | 158.7 | 143.4 | -77.4 | 0.226 |
| | | 11.14 | 5.41 | 16.55 | ONE | 18.595 | 191.6 | 55.6 | 43.7 | | | | | | | | | | |
| 45770.0 | 49190.0 | 0.590 | 196.5 | -8.3 | -0.53 | 1.395 | 67.5 | 0.942 | 14.636 | 46.4 | 166.5 | 0.843D | 28.429A | 0.89 | 0.184 | 159.2 | 144.6 | -77.0 | 0.226 |
| | | 12.95 | 5.42 | 18.37 | ONE | 18.595 | 191.6 | 55.6 | 44.2 | | | | | | | | | | |

ARRIVAL DATE = 2449290.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49290.0 | 0.584 | 227.5 | -15.7 | 0.87 | 1.399 | 111.7 | 0.938 | 13.718 | 315.2 | 527.6 | 0.846 | 26.591A | -0.12 | 0.170 | 157.5 | 147.1 | -75.6 | 0.216 |
| | | 12.81 | 5.28 | 18.09 | TWO | 19.890 | 191.2 | 54.5 | 46.8 | | | | | | | | | | |
| 45690.0 | 49290.0 | 0.519 | 228.7 | -14.7 | 1.23 | 1.400 | 107.0 | 0.935 | 13.867 | 324.8 | 527.0 | 0.897 | 26.838A | -0.53 | 0.173 | 157.1 | 145.1 | -76.1 | 0.216 |
| | | 11.19 | 5.28 | 16.47 | TWO | 19.890 | 191.2 | 54.5 | 46.1 | | | | | | | | | | |
| 45700.0 | 49290.0 | 0.463 | 228.6 | -11.1 | 2.23 | 1.401 | 102.3 | 0.933 | 13.990 | 334.5 | 526.6 | 0.937 | 27.044A | -1.57 | 0.175 | 156.9 | 142.7 | -76.3 | 0.216 |
| | | 9.86 | 5.28 | 15.14 | TWO | 19.890 | 191.2 | 54.5 | 45.6 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45710.0 | 49290.0 | 0.507 | 237.5 | 22.7 | 14.04 | 1.401 | 97.5 | 0.931 | 14.083 | 344.4 | 526.3 | 0.966 | 27.201A | -13.41 | 0.176 | 156.7 | 132.0 | -73.8 | 0.218 |
| | | 10.91 | 5.31 | 16.21 | TWO | 19.890 | 191.2 | 54.5 | 45.7 | | | | | | | | | | |
| 45720.0 | 49290.0 | 0.395 | 213.4 | -25.6 | -3.23 | 1.401 | 92.7 | 0.931 | 14.143 | 354.4 | 526.1 | 0.982 | 27.303A | 3.81 | 0.177 | 156.6 | 147.4 | -77.8 | 0.216 |
| | | 8.33 | 5.28 | 13.61 | ONE | 19.890 | 191.2 | 54.5 | 45.0 | | | | | | | | | | |
| 45730.0 | 49290.0 | 0.388 | 208.5 | -17.4 | -1.47 | 1.400 | 87.8 | 0.931 | 14.167 | 4.6 | 166.1 | 0.984D | 27.350A | 2.01 | 0.177 | 156.6 | 144.9 | -77.6 | 0.217 |
| | | 8.17 | 5.28 | 13.46 | ONE | 19.890 | 191.2 | 54.5 | 44.9 | | | | | | | | | | |
| 45740.0 | 49290.0 | 0.409 | 202.9 | -13.1 | -0.98 | 1.399 | 82.9 | 0.931 | 14.155 | 14.8 | 166.2 | 0.971D | 27.340A | 1.47 | 0.177 | 156.8 | 144.4 | -77.4 | 0.217 |
| | | 8.64 | 5.29 | 13.92 | ONE | 19.890 | 191.2 | 54.5 | 45.0 | | | | | | | | | | |
| 45750.0 | 49290.0 | 0.453 | 198.8 | -10.4 | -0.75 | 1.397 | 77.9 | 0.933 | 14.110 | 25.1 | 166.4 | 0.943D | 27.276A | 1.20 | 0.176 | 157.0 | 144.7 | -77.2 | 0.217 |
| | | 9.63 | 5.29 | 14.92 | ONE | 19.890 | 191.2 | 54.5 | 45.2 | | | | | | | | | | |
| 45760.0 | 49290.0 | 0.514 | 196.8 | -8.9 | -0.62 | 1.395 | 72.8 | 0.936 | 14.033 | 35.6 | 166.8 | 0.901D | 27.166A | 1.03 | 0.175 | 157.4 | 145.5 | -76.8 | 0.218 |
| | | 11.06 | 5.30 | 16.36 | ONE | 19.890 | 191.2 | 54.5 | 45.6 | | | | | | | | | | |
| 45770.0 | 49290.0 | 0.586 | 196.7 | -8.4 | -0.55 | 1.393 | 67.7 | 0.939 | 13.931 | 46.1 | 167.3 | 0.846D | 27.016A | 0.90 | 0.174 | 157.9 | 146.6 | -76.4 | 0.219 |
| | | 12.85 | 5.32 | 18.17 | ONE | 19.890 | 191.2 | 54.5 | 46.1 | | | | | | | | | | |

ARRIVAL DATE = 2449390.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49390.0 | 0.586 | 227.8 | -15.8 | 0.87 | 1.398 | 111.8 | 0.936 | 13.178 | 314.8 | 528.4 | 0.844 | 25.511A | -0.12 | 0.161 | 156.2 | 148.9 | -74.9 | 0.210 |
| | | 12.84 | 5.19 | 18.03 | TWO | 20.530 | 190.7 | 53.4 | 48.7 | | | | | | | | | | |
| 45690.0 | 49390.0 | 0.520 | 229.0 | -14.9 | 1.21 | 1.399 | 107.1 | 0.933 | 13.308 | 324.5 | 527.9 | 0.895 | 25.720A | -0.50 | 0.164 | 155.8 | 147.0 | -75.4 | 0.209 |
| | | 11.21 | 5.19 | 16.40 | TWO | 20.530 | 190.7 | 53.4 | 48.1 | | | | | | | | | | |
| 45700.0 | 49390.0 | 0.463 | 228.8 | -11.6 | 2.10 | 1.400 | 102.4 | 0.930 | 13.415 | 334.3 | 527.4 | 0.936 | 25.894A | -1.44 | 0.165 | 155.5 | 144.8 | -75.7 | 0.209 |
| | | 9.86 | 5.19 | 15.05 | TWO | 20.530 | 190.7 | 53.4 | 47.5 | | | | | | | | | | |
| 45710.0 | 49390.0 | 0.457 | 232.7 | 10.7 | 9.11 | 1.400 | 97.6 | 0.928 | 13.496 | 344.1 | 527.1 | 0.965 | 26.026A | -8.49 | 0.167 | 155.4 | 137.2 | -74.4 | 0.210 |
| | | 9.71 | 5.20 | 14.91 | TWO | 20.530 | 190.7 | 53.4 | 47.3 | | | | | | | | | | |
| 45720.0 | 49390.0 | 0.397 | 213.1 | -27.7 | -3.82 | 1.400 | 92.8 | 0.928 | 13.547 | 354.2 | 527.0 | 0.982 | 26.113A | 4.40 | 0.168 | 155.3 | 150.3 | -77.3 | 0.209 |
| | | 8.37 | 5.19 | 13.56 | ONE | 20.530 | 190.7 | 53.4 | 46.9 | | | | | | | | | | |
| 45730.0 | 49390.0 | 0.387 | 208.8 | -18.0 | -1.61 | 1.399 | 87.9 | 0.927 | 13.568 | 4.3 | 166.9 | 0.984D | 26.152A | 2.14 | 0.168 | 155.3 | 147.2 | -77.0 | 0.210 |
| | | 8.15 | 5.19 | 13.34 | ONE | 20.530 | 190.7 | 53.4 | 46.8 | | | | | | | | | | |
| 45740.0 | 49390.0 | 0.407 | 203.2 | -13.5 | -1.04 | 1.398 | 83.0 | 0.928 | 13.558 | 14.5 | 167.0 | 0.971D | 26.144A | 1.53 | 0.168 | 155.4 | 146.6 | -76.8 | 0.210 |
| | | 8.59 | 5.19 | 13.79 | ONE | 20.530 | 190.7 | 53.4 | 46.9 | | | | | | | | | | |
| 45750.0 | 49390.0 | 0.450 | 199.1 | -10.7 | -0.79 | 1.396 | 78.0 | 0.930 | 13.518 | 24.8 | 167.2 | 0.944D | 26.091A | 1.23 | 0.167 | 155.7 | 146.8 | -76.5 | 0.210 |
| | | 9.56 | 5.20 | 14.76 | ONE | 20.530 | 190.7 | 53.4 | 47.1 | | | | | | | | | | |
| 45760.0 | 49390.0 | 0.510 | 197.1 | -9.1 | -0.65 | 1.394 | 73.0 | 0.933 | 13.451 | 35.3 | 167.6 | 0.903D | 25.998A | 1.04 | 0.166 | 156.1 | 147.4 | -76.2 | 0.211 |
| | | 10.98 | 5.21 | 16.19 | ONE | 20.530 | 190.7 | 53.4 | 47.5 | | | | | | | | | | |
| 45770.0 | 49390.0 | 0.582 | 197.0 | -8.6 | -0.57 | 1.392 | 67.9 | 0.937 | 13.360 | 45.8 | 168.1 | 0.848D | 25.872A | 0.91 | 0.164 | 156.6 | 148.4 | -75.7 | 0.212 |
| | | 12.75 | 5.22 | 17.97 | ONE | 20.530 | 190.7 | 53.4 | 48.0 | | | | | | | | | | |

ARRIVAL DATE = 2449490.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49490.0 | 0.587 | 228.1 | -15.9 | 0.86 | 1.397 | 111.9 | 0.934 | 12.732 | 314.5 | 529.1 | 0.842 | 24.622A | -0.11 | 0.152 | 154.8 | 150.6 | -74.2 | 0.204 |
| | | 12.88 | 5.12 | 17.99 | TWO | 19.120 | 190.3 | 52.3 | 50.7 | | | | | | | | | | |
| 45690.0 | 49490.0 | 0.521 | 229.4 | -15.1 | 1.18 | 1.398 | 107.3 | 0.930 | 12.847 | 324.1 | 528.6 | 0.894 | 24.800A | -0.48 | 0.155 | 154.4 | 148.8 | -74.7 | 0.203 |
| | | 11.23 | 5.11 | 16.35 | TWO | 19.120 | 190.3 | 52.3 | 50.0 | | | | | | | | | | |
| 45700.0 | 49490.0 | 0.464 | 229.1 | -12.1 | 1.99 | 1.399 | 102.5 | 0.928 | 12.942 | 333.9 | 528.2 | 0.935 | 24.948A | -1.33 | 0.157 | 154.1 | 146.8 | -75.0 | 0.203 |
| | | 9.87 | 5.11 | 14.98 | TWO | 19.120 | 190.3 | 52.3 | 49.5 | | | | | | | | | | |
| 45710.0 | 49490.0 | 0.439 | 230.8 | 4.2 | 6.82 | 1.399 | 97.8 | 0.926 | 13.013 | 343.8 | 527.9 | 0.965 | 25.062A | -6.21 | 0.158 | 153.9 | 141.0 | -74.3 | 0.203 |
| | | 9.31 | 5.11 | 14.42 | TWO | 19.120 | 190.3 | 52.3 | 49.2 | | | | | | | | | | |
| 45720.0 | 49490.0 | 0.400 | 212.6 | -30.5 | -4.63 | 1.399 | 92.9 | 0.925 | 13.059 | 353.9 | 527.8 | 0.981 | 25.136A | 5.20 | 0.159 | 153.9 | 153.4 | -76.7 | 0.203 |
| | | 8.44 | 5.11 | 13.55 | ONE | 19.120 | 190.3 | 52.3 | 48.9 | | | | | | | | | | |
| 45730.0 | 49490.0 | 0.386 | 209.1 | -18.7 | -1.75 | 1.398 | 88.1 | 0.925 | 13.077 | 4.0 | 167.7 | 0.984D | 25.170A | 2.28 | 0.159 | 153.9 | 149.4 | -76.3 | 0.203 |
| | | 8.13 | 5.11 | 13.23 | ONE | 19.120 | 190.3 | 52.3 | 48.8 | | | | | | | | | | |
| 45740.0 | 49490.0 | 0.405 | 203.6 | -13.9 | -1.10 | 1.397 | 83.2 | 0.926 | 13.068 | 14.2 | 167.8 | 0.972D | 25.163A | 1.59 | 0.159 | 154.0 | 148.6 | -76.1 | 0.203 |
| | | 8.55 | 5.11 | 13.66 | ONE | 19.120 | 190.3 | 52.3 | 48.8 | | | | | | | | | | |
| 45750.0 | 49490.0 | 0.447 | 199.5 | -11.0 | -0.83 | 1.395 | 78.2 | 0.927 | 13.032 | 24.5 | 168.0 | 0.946D | 25.119A | 1.26 | 0.158 | 154.3 | 148.7 | -75.9 | 0.204 |
| | | 9.50 | 5.12 | 14.62 | ONE | 19.120 | 190.3 | 52.3 | 49.1 | | | | | | | | | | |
| 45760.0 | 49490.0 | 0.507 | 197.5 | -9.3 | -0.68 | 1.393 | 73.2 | 0.930 | 12.973 | 34.9 | 168.4 | 0.905D | 25.040A | 1.06 | 0.157 | 154.7 | 149.3 | -75.5 | 0.205 |
| | | 10.89 | 5.13 | 16.02 | ONE | 19.120 | 190.3 | 52.3 | 49.4 | | | | | | | | | | |
| 45770.0 | 49490.0 | 0.578 | 197.3 | -8.8 | -0.59 | 1.391 | 68.1 | 0.934 | 12.892 | 45.4 | 168.8 | 0.851D | 24.933A | 0.92 | 0.156 | 155.2 | 150.2 | -75.0 | 0.206 |
| | | 12.65 | 5.14 | 17.79 | ONE | 19.120 | 190.3 | 52.3 | 50.0 | | | | | | | | | | |

ARRIVAL DATE = 2449590.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49590.0 | 0.589 | 228.5 | -16.0 | 0.86 | 1.397 | 112.1 | 0.932 | 12.361 | 314.1 | 529.9 | 0.840 | 23.881A | -0.11 | 0.144 | 153.3 | 152.1 | -73.4 | 0.198 |
| | | 12.93 | 5.05 | 17.97 | TWO | 18.868 | 189.9 | 51.2 | 52.7 | | | | | | | | | | |
| 45690.0 | 49590.0 | 0.522 | 229.7 | -15.2 | 1.16 | 1.397 | 107.4 | 0.928 | 12.464 | 323.8 | 529.4 | 0.892 | 24.035A | -0.46 | 0.147 | 152.9 | 150.5 | -74.0 | 0.198 |
| | | 11.27 | 5.04 | 16.31 | TWO | 18.868 | 189.9 | 51.2 | 52.0 | | | | | | | | | | |
| 45700.0 | 49590.0 | 0.464 | 229.5 | -12.5 | 1.89 | 1.398 | 102.7 | 0.926 | 12.549 | 333.6 | 529.0 | 0.934 | 24.163A | -1.23 | 0.148 | 152.6 | 148.6 | -74.3 | 0.197 |
| | | 9.89 | 5.04 | 14.93 | TWO | 18.868 | 189.9 | 51.2 | 51.5 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45710.0 | 49590.0 | 0.432 | 230.0 | 0.2 | 5.50 | 1.398 | 97.9 | 0.924 | 12.612 | 343.5 | 528.7 | 0.964 | 24.261A | -4.89 | 0.150 | 152.5 | 144.0 | -73.9 | 0.197 |
| | | 9.14 | 5.04 | 14.18 | TWO | 18.868 | 189.9 | 51.2 | 51.1 | | | | | | | | | | |
| 45720.0 | 49590.0 | 0.406 | 211.6 | -34.4 | -5.79 | 1.398 | 93.1 | 0.922 | 12.653 | 353.5 | 528.5 | 0.981 | 24.325A | 6.35 | 0.151 | 152.4 | 156.7 | -76.1 | 0.197 |
| | | 8.57 | 5.04 | 13.61 | ONE | 18.868 | 189.9 | 51.2 | 50.9 | | | | | | | | | | |
| 45730.0 | 49590.0 | 0.385 | 209.5 | -19.5 | -1.92 | 1.397 | 88.3 | 0.922 | 12.670 | 3.6 | 168.5 | 0.984D | 24.355A | 2.45 | 0.151 | 152.4 | 151.4 | -75.6 | 0.197 |
| | | 8.11 | 5.03 | 13.14 | ONE | 18.868 | 189.9 | 51.2 | 50.7 | | | | | | | | | | |
| 45740.0 | 49590.0 | 0.403 | 204.0 | -14.4 | -1.18 | 1.396 | 83.4 | 0.923 | 12.662 | 13.8 | 168.6 | 0.973D | 24.350A | 1.65 | 0.151 | 152.5 | 150.5 | -75.4 | 0.197 |
| | | 8.51 | 5.04 | 13.54 | ONE | 18.868 | 189.9 | 51.2 | 50.8 | | | | | | | | | | |
| 45750.0 | 49590.0 | 0.445 | 199.9 | -11.3 | -0.87 | 1.394 | 78.4 | 0.925 | 12.630 | 24.1 | 168.8 | 0.947D | 24.313A | 1.30 | 0.150 | 152.8 | 150.5 | -75.2 | 0.198 |
| | | 9.44 | 5.04 | 14.48 | ONE | 18.868 | 189.9 | 51.2 | 51.0 | | | | | | | | | | |
| 45760.0 | 49590.0 | 0.503 | 197.8 | -9.6 | -0.71 | 1.392 | 73.4 | 0.928 | 12.576 | 34.5 | 169.1 | 0.907D | 24.246A | 1.08 | 0.149 | 153.2 | 151.0 | -74.8 | 0.199 |
| | | 10.81 | 5.05 | 15.86 | ONE | 18.868 | 189.9 | 51.2 | 51.4 | | | | | | | | | | |
| 45770.0 | 49590.0 | 0.574 | 197.6 | -9.0 | -0.61 | 1.390 | 68.4 | 0.932 | 12.504 | 45.0 | 169.5 | 0.853D | 24.154A | 0.93 | 0.147 | 153.7 | 151.8 | -74.3 | 0.200 |
| | | 12.54 | 5.07 | 17.61 | ONE | 18.868 | 189.9 | 51.2 | 51.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449690.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 49690.0 | 0.591 | 228.8 | -16.1 | 0.86 | 1.396 | 112.3 | 0.930 | 12.049 | 313.6 | 530.5 | 0.838 | 23.260A | -0.11 | 0.137 | 151.8 | 153.6 | -72.6 | 0.193 |
| | | 12.99 | 4.98 | 17.97 | TWO | 20.389 | 189.5 | 50.1 | 54.7 | | | | | | | | | | |
| 45690.0 | 49690.0 | 0.524 | 230.2 | -15.4 | 1.14 | 1.397 | 107.6 | 0.927 | 12.142 | 323.4 | 530.1 | 0.890 | 23.393A | -0.44 | 0.139 | 151.4 | 152.1 | -73.2 | 0.192 |
| | | 11.37 | 4.98 | 16.29 | TWO | 20.389 | 189.5 | 50.1 | 54.0 | | | | | | | | | | |
| 45700.0 | 49690.0 | 0.466 | 229.9 | -12.9 | 1.81 | 1.397 | 102.9 | 0.924 | 12.219 | 333.2 | 529.7 | 0.933 | 23.505A | -1.15 | 0.141 | 151.1 | 150.3 | -73.6 | 0.192 |
| | | 9.92 | 4.97 | 14.89 | TWO | 20.389 | 189.5 | 50.1 | 53.5 | | | | | | | | | | |
| 45710.0 | 49690.0 | 0.428 | 229.7 | -2.6 | 4.64 | 1.397 | 98.1 | 0.922 | 12.276 | 343.1 | 529.4 | 0.963 | 23.590A | -4.04 | 0.142 | 150.9 | 146.5 | -73.3 | 0.192 |
| | | 9.06 | 4.97 | 14.03 | TWO | 20.389 | 189.5 | 50.1 | 53.1 | | | | | | | | | | |
| 45720.0 | 49690.0 | 0.419 | 209.7 | -40.2 | -7.61 | 1.397 | 93.3 | 0.920 | 12.313 | 353.2 | 529.3 | 0.981 | 23.646A | 8.17 | 0.143 | 150.8 | 160.8 | -75.5 | 0.192 |
| | | 8.85 | 4.98 | 13.83 | ONE | 20.389 | 189.5 | 50.1 | 53.0 | | | | | | | | | | |
| 45730.0 | 49690.0 | 0.384 | 209.9 | -20.4 | -2.12 | 1.396 | 88.4 | 0.920 | 12.329 | 3.3 | 169.2 | 0.984D | 23.673A | 2.63 | 0.143 | 150.8 | 153.3 | -74.9 | 0.192 |
| | | 8.10 | 4.97 | 13.07 | ONE | 20.389 | 189.5 | 50.1 | 52.7 | | | | | | | | | | |
| 45740.0 | 49690.0 | 0.401 | 204.5 | -14.9 | -1.26 | 1.395 | 83.5 | 0.921 | 12.321 | 13.5 | 169.3 | 0.974D | 23.669A | 1.72 | 0.143 | 150.9 | 152.3 | -74.7 | 0.192 |
| | | 8.47 | 4.97 | 13.44 | ONE | 20.389 | 189.5 | 50.1 | 52.7 | | | | | | | | | | |
| 45750.0 | 49690.0 | 0.442 | 200.4 | -11.6 | -0.91 | 1.393 | 78.6 | 0.923 | 12.293 | 23.7 | 169.5 | 0.948D | 23.637A | 1.33 | 0.142 | 151.2 | 152.2 | -74.4 | 0.193 |
| | | 9.37 | 4.98 | 14.35 | ONE | 20.389 | 189.5 | 50.1 | 53.0 | | | | | | | | | | |
| 45760.0 | 49690.0 | 0.500 | 198.2 | -9.9 | -0.74 | 1.392 | 73.6 | 0.926 | 12.244 | 34.1 | 169.8 | 0.909D | 23.580A | 1.10 | 0.141 | 151.6 | 152.6 | -74.1 | 0.193 |
| | | 10.72 | 4.99 | 15.71 | ONE | 20.389 | 189.5 | 50.1 | 53.3 | | | | | | | | | | |
| 45770.0 | 49690.0 | 0.570 | 198.0 | -9.2 | -0.63 | 1.390 | 68.6 | 0.930 | 12.179 | 44.5 | 170.2 | 0.856D | 23.501A | 0.95 | 0.140 | 152.1 | 153.2 | -73.6 | 0.194 |
| | | 12.44 | 5.00 | 17.44 | ONE | 20.389 | 189.5 | 50.1 | 53.8 | | | | | | | | | | |
| 45780.0 | 49690.0 | 0.648 | 199.3 | -9.3 | -0.57 | 1.387 | 63.5 | 0.935 | 12.098 | 55.0 | 170.7 | 0.791D | 23.406A | 0.82 | 0.138 | 152.8 | 154.1 | -73.0 | 0.196 |
| | | 14.42 | 5.02 | 19.44 | ONE | 20.389 | 189.5 | 50.1 | 54.5 | | | | | | | | | | |
| ARRIVAL DATE = 2449790.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 49790.0 | 0.594 | 229.2 | -16.3 | 0.85 | 1.395 | 112.5 | 0.929 | 11.784 | 313.2 | 531.2 | 0.835 | 22.734A | -0.10 | 0.129 | 150.1 | 154.9 | -71.8 | 0.189 |
| | | 13.05 | 4.93 | 17.98 | TWO | 20.274 | 189.2 | 49.0 | 56.8 | | | | | | | | | | |
| 45690.0 | 49790.0 | 0.526 | 230.6 | -15.6 | 1.12 | 1.396 | 107.8 | 0.925 | 11.870 | 322.9 | 530.8 | 0.888 | 22.851A | -0.43 | 0.132 | 149.7 | 153.5 | -72.4 | 0.188 |
| | | 11.37 | 4.92 | 16.29 | TWO | 20.274 | 189.2 | 49.0 | 56.0 | | | | | | | | | | |
| 45700.0 | 49790.0 | 0.467 | 230.4 | -13.3 | 1.73 | 1.396 | 103.1 | 0.922 | 11.940 | 332.8 | 530.4 | 0.931 | 22.948A | -1.08 | 0.133 | 149.4 | 151.9 | -72.8 | 0.187 |
| | | 9.96 | 4.91 | 14.87 | TWO | 20.274 | 189.2 | 49.0 | 55.5 | | | | | | | | | | |
| 45710.0 | 49790.0 | 0.426 | 229.7 | -4.6 | 4.04 | 1.397 | 98.3 | 0.920 | 11.993 | 342.7 | 530.1 | 0.962 | 23.023A | -3.44 | 0.135 | 149.2 | 148.6 | -72.7 | 0.187 |
| | | 9.02 | 4.91 | 13.93 | TWO | 20.274 | 189.2 | 49.0 | 55.1 | | | | | | | | | | |
| 45720.0 | 49790.0 | 0.449 | 205.4 | -49.4 | -10.87 | 1.396 | 93.5 | 0.918 | 12.027 | 352.8 | 530.0 | 0.980 | 23.073A | 11.42 | 0.136 | 149.1 | 166.7 | -75.0 | 0.188 |
| | | 9.53 | 4.93 | 14.45 | ONE | 20.274 | 189.2 | 49.0 | 55.1 | | | | | | | | | | |
| 45730.0 | 49790.0 | 0.384 | 210.3 | -21.5 | -2.35 | 1.395 | 88.6 | 0.918 | 12.041 | 2.8 | 169.9 | 0.984D | 23.097A | 2.86 | 0.136 | 149.1 | 155.2 | -74.2 | 0.187 |
| | | 8.09 | 4.91 | 13.00 | ONE | 20.274 | 189.2 | 49.0 | 54.7 | | | | | | | | | | |
| 45740.0 | 49790.0 | 0.400 | 205.1 | -15.4 | -1.34 | 1.394 | 83.8 | 0.919 | 12.034 | 13.0 | 170.0 | 0.974D | 23.094A | 1.80 | 0.136 | 149.3 | 153.9 | -74.0 | 0.187 |
| | | 8.43 | 4.91 | 13.34 | ONE | 20.274 | 189.2 | 49.0 | 54.7 | | | | | | | | | | |
| 45750.0 | 49790.0 | 0.439 | 200.9 | -12.0 | -0.96 | 1.393 | 78.8 | 0.921 | 12.009 | 23.3 | 170.2 | 0.950D | 23.067A | 1.37 | 0.135 | 149.5 | 153.7 | -73.7 | 0.188 |
| | | 9.31 | 4.92 | 14.22 | ONE | 20.274 | 189.2 | 49.0 | 54.9 | | | | | | | | | | |
| 45760.0 | 49790.0 | 0.496 | 198.7 | -10.1 | -0.77 | 1.391 | 73.9 | 0.924 | 11.965 | 33.6 | 170.4 | 0.911D | 23.018A | 1.13 | 0.134 | 149.9 | 154.0 | -73.3 | 0.188 |
| | | 10.64 | 4.93 | 15.56 | ONE | 20.274 | 189.2 | 49.0 | 55.3 | | | | | | | | | | |
| 45770.0 | 49790.0 | 0.565 | 198.4 | -9.4 | -0.66 | 1.389 | 68.9 | 0.928 | 11.904 | 44.0 | 170.8 | 0.859D | 22.950A | 0.96 | 0.133 | 150.5 | 154.6 | -72.9 | 0.190 |
| | | 12.33 | 4.94 | 17.27 | ONE | 20.274 | 189.2 | 49.0 | 55.8 | | | | | | | | | | |
| 45780.0 | 49790.0 | 0.643 | 199.7 | -9.5 | -0.59 | 1.387 | 63.8 | 0.933 | 11.831 | 54.4 | 171.3 | 0.795D | 22.867A | 0.83 | 0.131 | 151.2 | 155.4 | -72.3 | 0.191 |
| | | 14.30 | 4.96 | 19.26 | ONE | 20.274 | 189.2 | 49.0 | 56.4 | | | | | | | | | | |
| ARRIVAL DATE = 2449890.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 49890.0 | 0.597 | 229.6 | -16.4 | 0.85 | 1.395 | 112.7 | 0.928 | 11.560 | 312.7 | 531.8 | 0.832 | 22.287A | -0.10 | 0.122 | 148.3 | 156.2 | -71.0 | 0.184 |
| | | 13.12 | 4.88 | 18.00 | TWO | 18.821 | 188.8 | 47.9 | 58.8 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45690.0 | 49890.0 | 0.529 | 231.1 | -15.8 | 1.11 | 1.395 | 108.0 | 0.924 | 11.638 | 322.5 | 531.4 | 0.886 | 22.390A | -0.41 | 0.125 | 147.9 | 154.9 | -71.6 | 0.184 |
| | | 11.43 | 4.87 | 16.30 | TWO | 18.821 | 188.8 | 47.9 | 58.0 | | | | | | | | | | |
| 45700.0 | 49890.0 | 0.469 | 230.9 | -13.6 | 1.67 | 1.396 | 103.3 | 0.921 | 11.703 | 332.3 | 531.1 | 0.929 | 22.476A | -1.02 | 0.127 | 147.6 | 153.3 | -72.0 | 0.183 |
| | | 10.00 | 4.86 | 14.86 | TWO | 18.821 | 188.8 | 47.9 | 57.5 | | | | | | | | | | |
| 45710.0 | 49890.0 | 0.426 | 229.8 | -6.2 | 3.59 | 1.396 | 98.5 | 0.918 | 11.751 | 342.2 | 530.8 | 0.961 | 22.542A | -3.00 | 0.128 | 147.4 | 150.5 | -72.0 | 0.183 |
| | | 9.01 | 4.86 | 13.87 | TWO | 18.821 | 188.8 | 47.9 | 57.0 | | | | | | | | | | |
| 45720.0 | 49890.0 | 0.541 | 190.0 | -65.5 | -18.26 | 1.396 | 93.6 | 0.917 | 11.783 | 352.4 | 530.7 | 0.980 | 22.586A | 18.81 | 0.129 | 147.4 | 177.5 | -74.2 | 0.187 |
| | | 11.74 | 4.91 | 16.65 | ONE | 18.821 | 188.8 | 47.9 | 57.6 | | | | | | | | | | |
| 45730.0 | 49890.0 | 0.384 | 210.7 | -22.6 | -2.62 | 1.395 | 88.8 | 0.917 | 11.796 | 2.4 | 170.6 | 0.985D | 22.608A | 3.12 | 0.129 | 147.4 | 156.9 | -73.5 | 0.182 |
| | | 8.09 | 4.86 | 12.95 | ONE | 18.821 | 188.8 | 47.9 | 56.7 | | | | | | | | | | |
| 45740.0 | 49890.0 | 0.398 | 205.6 | -16.0 | -1.43 | 1.394 | 84.0 | 0.917 | 11.791 | 12.6 | 170.7 | 0.975D | 22.606A | 1.89 | 0.129 | 147.5 | 155.4 | -73.2 | 0.183 |
| | | 8.39 | 4.86 | 13.25 | ONE | 18.821 | 188.8 | 47.9 | 56.7 | | | | | | | | | | |
| 45750.0 | 49890.0 | 0.436 | 201.4 | -12.4 | -1.01 | 1.392 | 79.1 | 0.919 | 11.767 | 22.9 | 170.8 | 0.951D | 22.583A | 1.41 | 0.128 | 147.7 | 155.2 | -73.0 | 0.183 |
| | | 9.24 | 4.87 | 14.11 | ONE | 18.821 | 188.8 | 47.9 | 56.9 | | | | | | | | | | |
| 45760.0 | 49890.0 | 0.492 | 199.1 | -10.4 | -0.80 | 1.390 | 74.1 | 0.922 | 11.727 | 33.2 | 171.1 | 0.913D | 22.541A | 1.15 | 0.127 | 148.1 | 155.4 | -72.6 | 0.184 |
| | | 10.55 | 4.88 | 15.42 | ONE | 18.821 | 188.8 | 47.9 | 57.2 | | | | | | | | | | |
| 45770.0 | 49890.0 | 0.561 | 198.8 | -9.7 | -0.68 | 1.388 | 69.1 | 0.926 | 11.672 | 43.5 | 171.4 | 0.862D | 22.481A | 0.97 | 0.126 | 148.7 | 155.9 | -72.1 | 0.185 |
| | | 12.22 | 4.89 | 17.11 | ONE | 18.821 | 188.8 | 47.9 | 57.7 | | | | | | | | | | |
| 45780.0 | 49890.0 | 0.638 | 200.0 | -9.7 | -0.61 | 1.386 | 64.1 | 0.931 | 11.604 | 53.9 | 171.8 | 0.799D | 22.409A | 0.84 | 0.124 | 149.4 | 156.5 | -71.5 | 0.187 |
| | | 14.17 | 4.91 | 19.07 | ONE | 18.821 | 188.8 | 47.9 | 58.4 | | | | | | | | | | |

ARRIVAL DATE = 2449990.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 49990.0 | 0.600 | 230.1 | -16.5 | 0.85 | 1.394 | 112.9 | 0.927 | 11.367 | 312.2 | 532.4 | 0.829 | 21.906A | -0.10 | 0.116 | 146.4 | 157.3 | -70.2 | 0.181 |
| | | 13.21 | 4.84 | 18.04 | TWO | 19.346 | 188.5 | 46.8 | 60.8 | | | | | | | | | | |
| 45690.0 | 49990.0 | 0.531 | 231.6 | -16.0 | 1.09 | 1.395 | 108.2 | 0.923 | 11.440 | 322.0 | 532.0 | 0.884 | 21.996A | -0.40 | 0.118 | 146.0 | 156.1 | -70.8 | 0.180 |
| | | 11.50 | 4.83 | 16.32 | TWO | 19.346 | 188.5 | 46.8 | 60.1 | | | | | | | | | | |
| 45700.0 | 49990.0 | 0.471 | 231.4 | -13.9 | 1.61 | 1.395 | 103.5 | 0.919 | 11.500 | 331.8 | 531.7 | 0.928 | 22.072A | -0.97 | 0.120 | 145.8 | 154.7 | -71.2 | 0.179 |
| | | 10.05 | 4.82 | 14.86 | TWO | 19.346 | 188.5 | 46.8 | 59.5 | | | | | | | | | | |
| 45710.0 | 49990.0 | 0.426 | 230.2 | -7.5 | 3.25 | 1.395 | 98.7 | 0.917 | 11.545 | 341.8 | 531.5 | 0.960 | 22.131A | -2.66 | 0.122 | 145.6 | 152.2 | -71.3 | 0.179 |
| | | 9.01 | 4.81 | 13.83 | TWO | 19.346 | 188.5 | 46.8 | 59.0 | | | | | | | | | | |
| 45730.0 | 49990.0 | 0.384 | 211.0 | -24.0 | -2.95 | 1.394 | 89.1 | 0.915 | 11.587 | 2.0 | 171.3 | 0.985D | 22.190A | 3.44 | 0.123 | 145.5 | 158.6 | -72.7 | 0.178 |
| | | 8.10 | 4.81 | 12.91 | ONE | 19.346 | 188.5 | 46.8 | 58.6 | | | | | | | | | | |
| 45740.0 | 49990.0 | 0.396 | 206.2 | -16.6 | -1.54 | 1.393 | 84.2 | 0.916 | 11.583 | 12.1 | 171.3 | 0.976D | 22.190A | 1.98 | 0.123 | 145.6 | 156.8 | -72.5 | 0.179 |
| | | 8.35 | 4.81 | 13.16 | ONE | 19.346 | 188.5 | 46.8 | 58.7 | | | | | | | | | | |
| 45750.0 | 49990.0 | 0.433 | 202.0 | -12.8 | -1.06 | 1.392 | 79.3 | 0.918 | 11.561 | 22.4 | 171.4 | 0.953D | 22.170A | 1.46 | 0.122 | 145.9 | 156.5 | -72.2 | 0.179 |
| | | 9.18 | 4.82 | 14.00 | ONE | 19.346 | 188.5 | 46.8 | 58.9 | | | | | | | | | | |
| 45760.0 | 49990.0 | 0.489 | 199.6 | -10.8 | -0.83 | 1.390 | 74.4 | 0.921 | 11.524 | 32.7 | 171.7 | 0.916D | 22.133A | 1.18 | 0.121 | 146.2 | 156.6 | -71.8 | 0.180 |
| | | 10.46 | 4.83 | 15.29 | ONE | 19.346 | 188.5 | 46.8 | 59.2 | | | | | | | | | | |
| 45770.0 | 49990.0 | 0.556 | 199.3 | -9.9 | -0.70 | 1.388 | 69.4 | 0.925 | 11.474 | 43.0 | 172.0 | 0.865D | 22.082A | 0.99 | 0.119 | 146.8 | 157.0 | -71.4 | 0.181 |
| | | 12.11 | 4.84 | 16.95 | ONE | 19.346 | 188.5 | 46.8 | 59.7 | | | | | | | | | | |
| 45780.0 | 49990.0 | 0.633 | 200.4 | -9.9 | -0.63 | 1.386 | 64.4 | 0.930 | 11.411 | 53.4 | 172.4 | 0.803D | 22.019A | 0.85 | 0.117 | 147.5 | 157.6 | -70.8 | 0.183 |
| | | 14.04 | 4.86 | 18.90 | ONE | 19.346 | 188.5 | 46.8 | 60.3 | | | | | | | | | | |

ARRIVAL DATE = 2450090.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45680.0 | 50090.0 | 0.604 | 230.5 | -15.7 | 0.84 | 1.394 | 113.2 | 0.926 | 11.203 | 311.7 | 533.0 | 0.826 | 21.579A | -0.10 | 0.110 | 144.4 | 158.3 | -69.4 | 0.177 |
| | | 13.29 | 4.80 | 18.09 | TWO | 20.692 | 188.2 | 45.8 | 62.8 | | | | | | | | | | |
| 45690.0 | 50090.0 | 0.534 | 232.1 | -16.1 | 1.08 | 1.394 | 108.5 | 0.922 | 11.270 | 321.5 | 532.6 | 0.881 | 21.660A | -0.38 | 0.112 | 144.0 | 157.2 | -70.0 | 0.176 |
| | | 11.57 | 4.79 | 16.35 | TWO | 20.692 | 188.2 | 45.8 | 62.1 | | | | | | | | | | |
| 45700.0 | 50090.0 | 0.473 | 232.0 | -14.3 | 1.56 | 1.395 | 103.7 | 0.918 | 11.326 | 331.3 | 532.3 | 0.926 | 21.727A | -0.92 | 0.114 | 143.8 | 155.9 | -70.5 | 0.175 |
| | | 10.10 | 4.78 | 14.88 | TWO | 20.692 | 188.2 | 45.8 | 61.5 | | | | | | | | | | |
| 45710.0 | 50090.0 | 0.427 | 230.6 | -8.6 | 2.98 | 1.395 | 98.9 | 0.916 | 11.369 | 341.3 | 532.1 | 0.959 | 21.779A | -2.39 | 0.116 | 143.6 | 153.7 | -70.6 | 0.175 |
| | | 9.03 | 4.77 | 13.80 | TWO | 20.692 | 188.2 | 45.8 | 61.0 | | | | | | | | | | |
| 45730.0 | 50090.0 | 0.385 | 211.3 | -25.7 | -3.34 | 1.394 | 89.3 | 0.914 | 11.409 | 1.5 | 171.9 | 0.985D | 21.833A | 3.83 | 0.117 | 143.5 | 160.2 | -72.0 | 0.175 |
| | | 8.11 | 4.77 | 12.88 | ONE | 20.692 | 188.2 | 45.8 | 60.6 | | | | | | | | | | |
| 45740.0 | 50090.0 | 0.394 | 206.8 | -17.3 | -1.65 | 1.393 | 84.4 | 0.914 | 11.405 | 11.6 | 171.9 | 0.977D | 21.833A | 2.09 | 0.117 | 143.6 | 158.2 | -71.7 | 0.175 |
| | | 8.32 | 4.77 | 13.09 | ONE | 20.692 | 188.2 | 45.8 | 60.6 | | | | | | | | | | |
| 45750.0 | 50090.0 | 0.430 | 202.6 | -13.3 | -1.12 | 1.391 | 79.6 | 0.916 | 11.385 | 21.9 | 172.0 | 0.955D | 21.816A | 1.51 | 0.116 | 143.9 | 157.7 | -71.4 | 0.175 |
| | | 9.11 | 4.78 | 13.89 | ONE | 20.692 | 188.2 | 45.8 | 60.8 | | | | | | | | | | |
| 45760.0 | 50090.0 | 0.485 | 200.2 | -11.1 | -0.87 | 1.389 | 74.6 | 0.919 | 11.351 | 32.1 | 172.3 | 0.918D | 21.784A | 1.20 | 0.115 | 144.2 | 157.7 | -71.1 | 0.176 |
| | | 10.37 | 4.79 | 15.16 | ONE | 20.692 | 188.2 | 45.8 | 61.1 | | | | | | | | | | |
| 45770.0 | 50090.0 | 0.552 | 199.7 | -10.2 | -0.73 | 1.387 | 69.7 | 0.923 | 11.304 | 42.4 | 172.5 | 0.868D | 21.740A | 1.01 | 0.113 | 144.7 | 158.1 | -70.6 | 0.178 |
| | | 12.00 | 4.80 | 16.80 | ONE | 20.692 | 188.2 | 45.8 | 61.6 | | | | | | | | | | |
| 45780.0 | 50090.0 | 0.628 | 200.8 | -10.2 | -0.64 | 1.385 | 64.7 | 0.928 | 11.246 | 52.8 | 172.9 | 0.807D | 21.684A | 0.86 | 0.111 | 145.4 | 158.6 | -70.0 | 0.179 |
| | | 13.91 | 4.82 | 18.73 | ONE | 20.692 | 188.2 | 45.8 | 62.2 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2450190.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 50190.0 | 0.607 | 231.0 | -16.8 | 0.84 | 1.393 | 113.4 | 0.926 | 11.061 | 311.1 | 533.6 | 0.823 | 21.300A | -0.09 | 0.104 | 142.3 | 159.3 | -68.5 | 0.174 |
| | | 13.39 | 4.76 | 18.15 | TWO | 19.858 | 187.9 | 44.7 | 64.8 | | | | | | | | | | |
| 45690.0 | 50190.0 | 0.538 | 232.6 | -16.3 | 1.06 | 1.394 | 108.7 | 0.921 | 11.125 | 320.9 | 533.2 | 0.878 | 21.371A | -0.37 | 0.107 | 141.9 | 158.2 | -69.2 | 0.173 |
| | | 11.65 | 4.75 | 16.40 | TWO | 19.858 | 187.9 | 44.7 | 64.0 | | | | | | | | | | |
| 45700.0 | 50190.0 | 0.476 | 232.6 | -14.6 | 1.51 | 1.394 | 103.9 | 0.917 | 11.177 | 330.8 | 532.9 | 0.924 | 21.431A | -0.87 | 0.109 | 141.7 | 157.0 | -69.7 | 0.172 |
| | | 10.16 | 4.74 | 14.90 | TWO | 19.858 | 187.9 | 44.7 | 63.4 | | | | | | | | | | |
| 45710.0 | 50190.0 | 0.428 | 231.1 | -9.5 | 2.75 | 1.395 | 99.2 | 0.915 | 11.217 | 340.8 | 532.7 | 0.957 | 21.477A | -2.17 | 0.110 | 141.5 | 155.1 | -69.8 | 0.172 |
| | | 9.06 | 4.74 | 13.79 | TWO | 19.858 | 187.9 | 44.7 | 63.0 | | | | | | | | | | |
| 45720.0 | 50190.0 | 0.546 | 242.5 | 34.1 | 18.46 | 1.394 | 94.4 | 0.913 | 11.244 | 350.7 | 532.5 | 0.978 | 21.509A | -17.93 | 0.111 | 141.4 | 141.5 | -66.4 | 0.176 |
| | | 11.84 | 4.78 | 16.62 | TWO | 19.858 | 187.9 | 44.7 | 63.4 | | | | | | | | | | |
| 45730.0 | 50190.0 | 0.387 | 211.5 | -27.7 | -3.85 | 1.393 | 89.5 | 0.912 | 11.255 | 1.0 | 172.5 | 0.9850 | 21.525A | 4.33 | 0.111 | 141.4 | 161.8 | -71.2 | 0.172 |
| | | 8.15 | 4.73 | 12.88 | ONE | 19.858 | 187.9 | 44.7 | 62.6 | | | | | | | | | | |
| 45740.0 | 50190.0 | 0.393 | 207.5 | -18.0 | -1.78 | 1.392 | 84.7 | 0.913 | 11.252 | 11.1 | 172.5 | 0.9780 | 21.526A | 2.21 | 0.111 | 141.5 | 159.4 | -70.9 | 0.172 |
| | | 8.28 | 4.73 | 13.02 | ONE | 19.858 | 187.9 | 44.7 | 62.6 | | | | | | | | | | |
| 45750.0 | 50190.0 | 0.428 | 203.2 | -13.8 | -1.18 | 1.391 | 79.8 | 0.915 | 11.234 | 21.3 | 172.6 | 0.9560 | 21.512A | 1.56 | 0.111 | 141.8 | 158.8 | -70.7 | 0.172 |
| | | 9.05 | 4.74 | 13.79 | ONE | 19.858 | 187.9 | 44.7 | 62.8 | | | | | | | | | | |
| 45760.0 | 50190.0 | 0.481 | 200.7 | -11.5 | -0.91 | 1.389 | 74.9 | 0.918 | 11.203 | 31.6 | 172.8 | 0.9210 | 21.485A | 1.23 | 0.110 | 142.1 | 158.8 | -70.3 | 0.173 |
| | | 10.28 | 4.75 | 15.03 | ONE | 19.858 | 187.9 | 44.7 | 63.1 | | | | | | | | | | |
| 45770.0 | 50190.0 | 0.547 | 200.2 | -10.5 | -0.75 | 1.387 | 70.0 | 0.922 | 11.159 | 41.9 | 173.1 | 0.8720 | 21.446A | 1.02 | 0.108 | 142.6 | 159.0 | -69.8 | 0.174 |
| | | 11.89 | 4.76 | 16.65 | ONE | 19.858 | 187.9 | 44.7 | 63.6 | | | | | | | | | | |
| 45780.0 | 50190.0 | 0.623 | 201.3 | -10.4 | -0.66 | 1.385 | 65.0 | 0.927 | 11.104 | 52.2 | 173.4 | 0.8110 | 21.398A | 0.87 | 0.106 | 143.3 | 159.5 | -69.3 | 0.176 |
| | | 13.78 | 4.78 | 18.56 | ONE | 19.858 | 187.9 | 44.7 | 64.1 | | | | | | | | | | |
| ARRIVAL DATE = 2450290.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 50290.0 | 0.611 | 231.5 | -16.9 | 0.84 | 1.393 | 113.7 | 0.925 | 10.939 | 310.5 | 534.1 | 0.819 | 21.060A | -0.09 | 0.099 | 140.0 | 160.1 | -67.7 | 0.172 |
| | | 13.49 | 4.74 | 18.23 | TWO | 18.749 | 187.6 | 43.6 | 66.8 | | | | | | | | | | |
| 45690.0 | 50290.0 | 0.541 | 233.1 | -16.5 | 1.05 | 1.394 | 109.0 | 0.920 | 10.999 | 320.4 | 533.8 | 0.875 | 21.123A | -0.36 | 0.101 | 139.7 | 159.1 | -68.4 | 0.170 |
| | | 11.73 | 4.72 | 16.45 | TWO | 18.749 | 187.6 | 43.6 | 66.0 | | | | | | | | | | |
| 45700.0 | 50290.0 | 0.479 | 233.2 | -14.9 | 1.47 | 1.394 | 104.2 | 0.917 | 11.049 | 330.3 | 533.5 | 0.921 | 21.176A | -0.83 | 0.103 | 139.4 | 158.0 | -68.9 | 0.169 |
| | | 10.23 | 4.71 | 14.94 | TWO | 18.749 | 187.6 | 43.6 | 65.4 | | | | | | | | | | |
| 45710.0 | 50290.0 | 0.429 | 231.7 | -10.3 | 2.57 | 1.394 | 99.4 | 0.914 | 11.087 | 340.2 | 533.2 | 0.956 | 21.218A | -1.99 | 0.105 | 139.3 | 156.3 | -69.1 | 0.169 |
| | | 9.09 | 4.70 | 13.79 | TWO | 18.749 | 187.6 | 43.6 | 65.0 | | | | | | | | | | |
| 45720.0 | 50290.0 | 0.459 | 236.1 | 18.9 | 11.64 | 1.394 | 94.7 | 0.912 | 11.112 | 350.2 | 533.1 | 0.977 | 21.246A | -11.11 | 0.106 | 139.2 | 147.4 | -67.4 | 0.170 |
| | | 9.78 | 4.72 | 14.49 | TWO | 18.749 | 187.6 | 43.6 | 64.9 | | | | | | | | | | |
| 45730.0 | 50290.0 | 0.389 | 211.6 | -30.1 | -4.49 | 1.393 | 89.8 | 0.911 | 11.123 | 0.4 | 173.0 | 0.9850 | 21.261A | 4.97 | 0.106 | 139.2 | 163.5 | -70.5 | 0.169 |
| | | 8.20 | 4.70 | 12.91 | ONE | 18.749 | 187.6 | 43.6 | 64.6 | | | | | | | | | | |
| 45740.0 | 50290.0 | 0.392 | 208.2 | -18.8 | -1.92 | 1.392 | 85.0 | 0.912 | 11.121 | 10.6 | 173.1 | 0.9790 | 21.263A | 2.34 | 0.106 | 139.3 | 160.5 | -70.2 | 0.169 |
| | | 8.25 | 4.70 | 12.95 | ONE | 18.749 | 187.6 | 43.6 | 64.5 | | | | | | | | | | |
| 45750.0 | 50290.0 | 0.425 | 203.9 | -14.3 | -1.25 | 1.390 | 80.1 | 0.914 | 11.104 | 20.8 | 173.2 | 0.9580 | 21.251A | 1.62 | 0.106 | 139.5 | 159.8 | -69.9 | 0.169 |
| | | 8.99 | 4.71 | 13.69 | ONE | 18.749 | 187.6 | 43.6 | 64.7 | | | | | | | | | | |
| 45760.0 | 50290.0 | 0.477 | 201.3 | -11.8 | -0.94 | 1.389 | 75.2 | 0.917 | 11.075 | 31.0 | 173.3 | 0.9230 | 21.227A | 1.26 | 0.104 | 139.9 | 159.7 | -69.6 | 0.170 |
| | | 10.19 | 4.72 | 14.91 | ONE | 18.749 | 187.6 | 43.6 | 65.0 | | | | | | | | | | |
| 45770.0 | 50290.0 | 0.543 | 200.7 | -10.7 | -0.78 | 1.387 | 70.2 | 0.921 | 11.034 | 41.3 | 173.6 | 0.8750 | 21.193A | 1.04 | 0.103 | 140.3 | 159.9 | -69.1 | 0.171 |
| | | 11.77 | 4.73 | 16.50 | ONE | 18.749 | 187.6 | 43.6 | 65.5 | | | | | | | | | | |
| 45780.0 | 50290.0 | 0.617 | 201.7 | -10.6 | -0.68 | 1.384 | 65.3 | 0.926 | 10.983 | 51.6 | 173.9 | 0.8150 | 21.151A | 0.88 | 0.101 | 141.0 | 160.3 | -68.6 | 0.173 |
| | | 13.64 | 4.75 | 18.39 | ONE | 18.749 | 187.6 | 43.6 | 66.0 | | | | | | | | | | |
| ARRIVAL DATE = 2450390.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 50390.0 | 0.616 | 232.0 | -17.1 | 0.84 | 1.392 | 114.0 | 0.925 | 10.835 | 310.0 | 534.6 | 0.815 | 20.854A | -0.09 | 0.094 | 137.6 | 160.9 | -66.9 | 0.169 |
| | | 13.60 | 4.71 | 18.31 | TWO | 19.917 | 187.3 | 42.5 | 68.7 | | | | | | | | | | |
| 45690.0 | 50390.0 | 0.545 | 233.7 | -16.7 | 1.04 | 1.393 | 109.2 | 0.920 | 10.891 | 319.8 | 534.3 | 0.872 | 20.910A | -0.35 | 0.096 | 137.3 | 160.0 | -67.6 | 0.168 |
| | | 11.82 | 4.69 | 16.52 | TWO | 19.917 | 187.3 | 42.5 | 68.0 | | | | | | | | | | |
| 45700.0 | 50390.0 | 0.482 | 233.8 | -15.2 | 1.43 | 1.394 | 104.5 | 0.916 | 10.938 | 329.7 | 534.0 | 0.919 | 20.957A | -0.80 | 0.098 | 137.1 | 158.9 | -68.1 | 0.167 |
| | | 10.30 | 4.68 | 14.98 | TWO | 19.917 | 187.3 | 42.5 | 67.4 | | | | | | | | | | |
| 45710.0 | 50390.0 | 0.431 | 232.3 | -11.0 | 2.41 | 1.394 | 99.7 | 0.913 | 10.974 | 339.7 | 533.8 | 0.954 | 20.995A | -1.83 | 0.100 | 136.9 | 157.4 | -68.3 | 0.166 |
| | | 9.13 | 4.68 | 13.81 | TWO | 19.917 | 187.3 | 42.5 | 66.9 | | | | | | | | | | |
| 45720.0 | 50390.0 | 0.430 | 233.8 | 10.3 | 8.55 | 1.393 | 94.9 | 0.911 | 10.998 | 349.7 | 533.7 | 0.976 | 21.021A | -8.03 | 0.101 | 136.9 | 151.1 | -67.4 | 0.167 |
| | | 9.11 | 4.68 | 13.79 | TWO | 19.917 | 187.3 | 42.5 | 66.7 | | | | | | | | | | |
| 45730.0 | 50390.0 | 0.394 | 211.4 | -33.3 | -5.37 | 1.393 | 90.1 | 0.911 | 11.010 | 359.9 | 533.6 | 0.985 | 21.034A | 5.84 | 0.101 | 136.9 | 165.4 | -69.8 | 0.166 |
| | | 8.30 | 4.67 | 12.98 | ONE | 19.917 | 187.3 | 42.5 | 66.5 | | | | | | | | | | |
| 45740.0 | 50390.0 | 0.390 | 208.9 | -19.7 | -2.08 | 1.392 | 85.2 | 0.911 | 11.008 | 10.0 | 173.6 | 0.9790 | 21.036A | 2.50 | 0.101 | 137.0 | 161.5 | -69.4 | 0.166 |
| | | 8.23 | 4.67 | 12.90 | ONE | 19.917 | 187.3 | 42.5 | 66.5 | | | | | | | | | | |
| 45750.0 | 50390.0 | 0.422 | 204.6 | -14.8 | -1.32 | 1.390 | 80.4 | 0.913 | 10.993 | 20.2 | 173.7 | 0.9590 | 21.026A | 1.68 | 0.101 | 137.2 | 160.8 | -69.2 | 0.166 |
| | | 8.93 | 4.68 | 13.60 | ONE | 19.917 | 187.3 | 42.5 | 66.6 | | | | | | | | | | |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45760.0 | 50390.0 | 0.473<br>10.10 | 201.9<br>4.69 | -12.2<br>14.79 | -0.99<br>ONE | 1.388<br>19.917 | 75.5<br>187.3 | 0.916<br>42.5 | 10.966<br>66.9 | 30.4 | 173.9 | 0.926D | 21.006A | 1.29 | 0.100 | 137.5 | 160.6 | -68.8 | 0.167 |
| 45770.0 | 50390.0 | 0.538<br>11.66 | 201.2<br>4.70 | -11.0<br>16.36 | -0.81<br>ONE | 1.386<br>19.917 | 70.5<br>187.3 | 0.920<br>42.5 | 10.927<br>67.4 | 40.7 | 174.1 | 0.878D | 20.976A | 1.06 | 0.098 | 137.9 | 160.8 | -68.4 | 0.169 |
| 45780.0 | 50390.0 | 0.612<br>13.51 | 202.2<br>4.72 | -10.9<br>18.23 | -0.70<br>ONE | 1.384<br>19.917 | 65.6<br>187.3 | 0.925<br>42.5 | 10.879<br>67.9 | 50.9 | 174.4 | 0.819D | 20.939A | 0.89 | 0.096 | 138.6 | 161.1 | -67.8 | 0.170 |
| ARRIVAL DATE = 2450590.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 50590.0 | 0.625<br>13.83 | 233.0<br>4.67 | -17.4<br>18.50 | 0.83<br>TWO | 1.392<br>19.406 | 114.6<br>186.8 | 0.924<br>40.3 | 10.668<br>72.5 | 308.7 | 535.6 | 0.807 | 20.528A | -0.09 | 0.085 | 132.3 | 162.3 | -65.4 | 0.166 |
| 45690.0 | 50590.0 | 0.553<br>12.02 | 234.9<br>4.65 | -17.1<br>16.67 | 1.01<br>TWO | 1.393<br>19.406 | 109.8<br>186.8 | 0.919<br>40.3 | 10.719<br>71.8 | 318.6 | 535.3 | 0.866 | 20.572A | -0.33 | 0.088 | 132.1 | 161.5 | -66.1 | 0.164 |
| 45700.0 | 50590.0 | 0.488<br>10.46 | 235.2<br>4.64 | -15.8<br>15.09 | 1.36<br>TWO | 1.393<br>19.406 | 105.0<br>186.8 | 0.915<br>40.3 | 10.762<br>71.2 | 328.5 | 535.0 | 0.914 | 20.609A | -0.74 | 0.090 | 131.9 | 160.6 | -66.6 | 0.163 |
| 45710.0 | 50590.0 | 0.436<br>9.23 | 233.7<br>4.63 | -12.3<br>13.86 | 2.16<br>TWO | 1.393<br>19.406 | 100.2<br>186.8 | 0.912<br>40.3 | 10.795<br>70.8 | 338.5 | 534.8 | 0.951 | 20.639A | -1.59 | 0.091 | 131.8 | 159.3 | -66.9 | 0.162 |
| 45720.0 | 50590.0 | 0.412<br>8.70 | 232.7<br>4.63 | 1.0<br>13.33 | 5.68<br>TWO | 1.393<br>19.406 | 95.4<br>186.8 | 0.910<br>40.3 | 10.817<br>70.5 | 348.6 | 534.7 | 0.975 | 20.660A | -5.16 | 0.092 | 131.8 | 155.4 | -66.5 | 0.162 |
| 45730.0 | 50590.0 | 0.417<br>8.81 | 208.7<br>4.63 | -43.5<br>13.44 | -8.50<br>ONE | 1.392<br>19.406 | 90.6<br>186.8 | 0.909<br>40.3 | 10.828<br>70.4 | 358.7 | 534.6 | 0.985 | 20.671A | 8.96 | 0.093 | 131.8 | 170.3 | -68.5 | 0.162 |
| 45740.0 | 50590.0 | 0.388<br>8.18 | 210.3<br>4.62 | -21.8<br>12.81 | -2.47<br>ONE | 1.391<br>19.406 | 85.8<br>186.8 | 0.909<br>40.3 | 10.827<br>70.3 | 8.9 | 174.6 | 0.981D | 20.674A | 2.87 | 0.093 | 131.9 | 163.5 | -68.0 | 0.161 |
| 45750.0 | 50590.0 | 0.417<br>8.81 | 206.0<br>4.63 | -16.0<br>13.44 | -1.47<br>ONE | 1.390<br>19.406 | 80.9<br>186.8 | 0.911<br>40.3 | 10.815<br>70.4 | 19.0 | 174.7 | 0.963D | 20.667A | 1.82 | 0.092 | 132.1 | 162.4 | -67.7 | 0.162 |
| 45760.0 | 50590.0 | 0.466<br>9.93 | 203.2<br>4.64 | -13.0<br>14.57 | -1.07<br>ONE | 1.388<br>19.406 | 76.1<br>186.8 | 0.914<br>40.3 | 10.791<br>70.7 | 29.2 | 174.9 | 0.931D | 20.652A | 1.37 | 0.091 | 132.4 | 162.2 | -67.4 | 0.163 |
| 45770.0 | 50590.0 | 0.529<br>11.44 | 202.4<br>4.65 | -11.7<br>16.09 | -0.87<br>ONE | 1.386<br>19.406 | 71.2<br>186.8 | 0.918<br>40.3 | 10.757<br>71.1 | 39.4 | 175.0 | 0.885D | 20.630A | 1.10 | 0.090 | 132.8 | 162.2 | -67.0 | 0.164 |
| 45780.0 | 50590.0 | 0.602<br>13.24 | 203.2<br>4.67 | -11.4<br>17.91 | -0.75<br>ONE | 1.384<br>19.406 | 66.2<br>186.8 | 0.923<br>40.3 | 10.715<br>71.6 | 49.6 | 175.3 | 0.828D | 20.602A | 0.91 | 0.087 | 133.3 | 162.4 | -66.5 | 0.166 |
| ARRIVAL DATE = 2450790.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 50790.0 | 0.634<br>14.08 | 234.0<br>4.64 | -17.7<br>18.72 | 0.83<br>TWO | 1.392<br>20.442 | 115.2<br>186.3 | 0.924<br>38.2 | 10.546<br>76.2 | 307.4 | 536.5 | 0.799 | 20.293A | -0.08 | 0.078 | 126.4 | 163.4 | -64.0 | 0.163 |
| 45690.0 | 50790.0 | 0.562<br>12.24 | 236.1<br>4.62 | -17.4<br>16.86 | 0.99<br>TWO | 1.392<br>20.442 | 110.4<br>186.3 | 0.919<br>38.2 | 10.593<br>75.5 | 317.3 | 536.2 | 0.859 | 20.327A | -0.32 | 0.080 | 126.3 | 162.7 | -64.7 | 0.161 |
| 45700.0 | 50790.0 | 0.496<br>10.63 | 236.6<br>4.61 | -16.3<br>15.24 | 1.30<br>TWO | 1.393<br>20.442 | 105.6<br>186.3 | 0.915<br>38.2 | 10.632<br>74.9 | 327.3 | 536.0 | 0.909 | 20.356A | -0.68 | 0.082 | 126.3 | 161.9 | -65.1 | 0.160 |
| 45710.0 | 50790.0 | 0.441<br>9.35 | 235.2<br>4.59 | -13.3<br>13.95 | 1.97<br>TWO | 1.393<br>20.442 | 100.8<br>186.3 | 0.911<br>38.2 | 10.663<br>74.5 | 337.3 | 535.8 | 0.947 | 20.379A | -1.41 | 0.084 | 126.2 | 160.8 | -65.5 | 0.159 |
| 45720.0 | 50790.0 | 0.408<br>8.62 | 233.2<br>4.59 | -9.9<br>13.21 | 4.31<br>TWO | 1.392<br>20.442 | 96.0<br>186.3 | 0.909<br>38.2 | 10.684<br>74.2 | 347.3 | 535.7 | 0.973 | 20.396A | -3.81 | 0.085 | 126.3 | 158.2 | -65.4 | 0.158 |
| 45730.0 | 50790.0 | 0.538<br>11.65 | 187.3<br>4.64 | -66.6<br>16.29 | -18.51<br>ONE | 1.392<br>20.442 | 91.2<br>186.3 | 0.908<br>38.2 | 10.695<br>74.5 | 357.6 | 535.6 | 0.985 | 20.406A | 18.96 | 0.086 | 126.3 | 181.7 | -67.3 | 0.163 |
| 45740.0 | 50790.0 | 0.387<br>8.16 | 211.6<br>4.59 | -24.3<br>12.75 | -3.00<br>ONE | 1.391<br>20.442 | 86.4<br>186.3 | 0.908<br>38.2 | 10.695<br>74.0 | 7.6 | 175.6 | 0.982D | 20.408A | 3.39 | 0.086 | 126.4 | 165.3 | -66.6 | 0.158 |
| 45750.0 | 50790.0 | 0.412<br>8.69 | 207.6<br>4.59 | -17.3<br>13.29 | -1.66<br>ONE | 1.389<br>20.442 | 81.5<br>186.3 | 0.910<br>38.2 | 10.685<br>74.1 | 17.8 | 175.7 | 0.966D | 20.404A | 1.99 | 0.085 | 126.5 | 163.8 | -66.3 | 0.158 |
| 45760.0 | 50790.0 | 0.458<br>9.75 | 204.6<br>4.60 | -14.0<br>14.35 | -1.17<br>ONE | 1.387<br>20.442 | 76.7<br>186.3 | 0.912<br>38.2 | 10.664<br>74.3 | 27.9 | 175.8 | 0.936D | 20.393A | 1.45 | 0.084 | 126.7 | 163.4 | -66.0 | 0.159 |
| 45770.0 | 50790.0 | 0.520<br>11.21 | 203.6<br>4.61 | -12.4<br>15.82 | -0.93<br>ONE | 1.385<br>20.442 | 71.8<br>186.3 | 0.916<br>38.2 | 10.634<br>74.7 | 38.1 | 175.9 | 0.892D | 20.377A | 1.14 | 0.083 | 127.0 | 163.4 | -65.7 | 0.160 |
| 45780.0 | 50790.0 | 0.591<br>12.97 | 204.2<br>4.63 | -11.9<br>17.61 | -0.79<br>ONE | 1.383<br>20.442 | 66.9<br>186.3 | 0.921<br>38.2 | 10.596<br>75.1 | 48.3 | 176.1 | 0.836D | 20.356A | 0.94 | 0.081 | 127.4 | 163.5 | -65.2 | 0.162 |
| ARRIVAL DATE = 2450990.0 | | | | | | | | | | | | | | | | | | | |
| 45680.0 | 50990.0 | 0.645<br>14.35 | 235.1<br>4.62 | -18.0<br>18.97 | 0.82<br>TWO | 1.391<br>19.048 | 115.8<br>185.8 | 0.924<br>36.0 | 10.460<br>79.7 | 306.0 | 537.3 | 0.790 | 20.130A | -0.08 | 0.072 | 119.9 | 164.3 | -62.8 | 0.161 |
| 45690.0 | 50990.0 | 0.571<br>12.48 | 237.3<br>4.60 | -17.8<br>17.07 | 0.98<br>TWO | 1.392<br>19.048 | 111.0<br>185.8 | 0.919<br>36.0 | 10.503<br>79.1 | 316.0 | 537.0 | 0.851 | 20.155A | -0.30 | 0.074 | 120.0 | 163.7 | -63.4 | 0.159 |
| 45700.0 | 50990.0 | 0.504<br>10.83 | 238.0<br>4.58 | -16.8<br>15.41 | 1.25<br>TWO | 1.393<br>19.048 | 106.2<br>185.8 | 0.914<br>36.0 | 10.540<br>78.5 | 326.0 | 536.8 | 0.903 | 20.177A | -0.64 | 0.077 | 120.1 | 163.0 | -63.8 | 0.157 |
| 45710.0 | 50990.0 | 0.447<br>9.49 | 236.8<br>4.57 | -14.3<br>14.06 | 1.81<br>TWO | 1.393<br>19.048 | 101.4<br>185.8 | 0.911<br>36.0 | 10.569<br>78.1 | 336.0 | 536.7 | 0.943 | 20.195A | -1.26 | 0.078 | 120.2 | 162.0 | -64.2 | 0.156 |
| 45720.0 | 50990.0 | 0.409<br>8.63 | 234.4<br>4.56 | -7.1<br>13.20 | 3.51<br>TWO | 1.392<br>19.048 | 96.6<br>185.8 | 0.908<br>36.0 | 10.589<br>77.7 | 346.1 | 536.6 | 0.970 | 20.208A | -3.02 | 0.079 | 120.2 | 160.1 | -64.2 | 0.155 |

1984
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45740.0 | 50990.0 | 0.388 | 212.8 | -27.6 | -3.75 | 1.390 | 87.0 | 0.907 | 10.601 | 6.3 | 176.5 | 0.984D | 20.218A | 4.13 | 0.080 | 120.4 | 167.0 | -65.4 | 0.155 |
| | | 8.18 | 4.56 | 12.74 | ONE | 19.048 | 185.8 | 36.0 | 77.5 | | | | | | | | | | |
| 45750.0 | 50990.0 | 0.407 | 209.3 | -18.8 | -1.88 | 1.389 | 82.2 | 0.908 | 10.592 | 16.5 | 176.5 | 0.969D | 20.216A | 2.20 | 0.080 | 120.5 | 165.1 | -65.1 | 0.156 |
| | | 8.59 | 4.56 | 13.15 | ONE | 19.048 | 185.8 | 36.0 | 77.6 | | | | | | | | | | |
| 45760.0 | 50990.0 | 0.451 | 206.1 | -14.9 | -1.28 | 1.387 | 77.3 | 0.911 | 10.574 | 26.6 | 176.6 | 0.941D | 20.208A | 1.54 | 0.079 | 120.7 | 164.5 | -64.8 | 0.156 |
| | | 9.58 | 4.57 | 14.15 | ONE | 19.048 | 185.8 | 36.0 | 77.8 | | | | | | | | | | |
| 45770.0 | 50990.0 | 0.510 | 204.9 | -13.1 | -1.00 | 1.385 | 72.5 | 0.915 | 10.548 | 36.8 | 176.8 | 0.899D | 20.196A | 1.20 | 0.077 | 120.8 | 164.4 | -64.5 | 0.158 |
| | | 10.98 | 4.59 | 15.57 | ONE | 19.048 | 185.8 | 36.0 | 78.1 | | | | | | | | | | |
| 45780.0 | 50990.0 | 0.580 | 205.4 | -12.5 | -0.84 | 1.383 | 67.6 | 0.920 | 10.513 | 46.9 | 176.9 | 0.845D | 20.181A | 0.97 | 0.075 | 121.1 | 164.4 | -64.0 | 0.159 |
| | | 12.78 | 4.60 | 17.41 | ONE | 19.048 | 185.8 | 36.0 | 78.5 | | | | | | | | | | |

ARRIVAL DATE = 2451190.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45690.0 | 51190.0 | 0.581 | 238.6 | -18.1 | 0.96 | 1.392 | 111.7 | 0.919 | 10.442 | 314.6 | 537.8 | 0.843 | 20.040A | -0.29 | 0.070 | 113.1 | 164.5 | -62.2 | 0.157 |
| | | 12.73 | 4.58 | 17.31 | TWO | 20.795 | 185.3 | 33.9 | 82.4 | | | | | | | | | | |
| 45700.0 | 51190.0 | 0.513 | 239.5 | -17.3 | 1.20 | 1.392 | 106.9 | 0.914 | 10.476 | 324.6 | 537.7 | 0.896 | 20.056A | -0.60 | 0.072 | 113.4 | 163.9 | -62.7 | 0.156 |
| | | 11.04 | 4.57 | 15.60 | TWO | 20.795 | 185.3 | 33.9 | 81.9 | | | | | | | | | | |
| 45710.0 | 51190.0 | 0.454 | 238.5 | -15.1 | 1.69 | 1.392 | 102.1 | 0.911 | 10.504 | 334.6 | 537.5 | 0.938 | 20.069A | -1.15 | 0.074 | 113.7 | 163.1 | -63.0 | 0.154 |
| | | 9.65 | 4.55 | 14.20 | TWO | 20.795 | 185.3 | 33.9 | 81.5 | | | | | | | | | | |
| 45720.0 | 51190.0 | 0.412 | 235.9 | -9.4 | 2.99 | 1.392 | 97.3 | 0.908 | 10.523 | 344.7 | 537.4 | 0.967 | 20.079A | -2.51 | 0.075 | 113.9 | 161.5 | -63.1 | 0.154 |
| | | 8.70 | 4.54 | 13.24 | TWO | 20.795 | 185.3 | 33.9 | 81.2 | | | | | | | | | | |
| 45730.0 | 51190.0 | 0.487 | 241.0 | 26.6 | 14.66 | 1.391 | 92.5 | 0.907 | 10.534 | 354.7 | 537.3 | 0.983 | 20.085A | -14.24 | 0.075 | 114.0 | 151.5 | -61.1 | 0.156 |
| | | 10.42 | 4.57 | 14.99 | TWO | 20.795 | 185.3 | 33.9 | 81.2 | | | | | | | | | | |
| 45740.0 | 51190.0 | 0.392 | 213.6 | -32.3 | -4.94 | 1.390 | 87.6 | 0.907 | 10.536 | 5.0 | 177.3 | 0.985D | 20.088A | 5.30 | 0.076 | 114.1 | 169.0 | -64.3 | 0.153 |
| | | 8.26 | 4.54 | 12.80 | ONE | 20.795 | 185.3 | 33.9 | 80.9 | | | | | | | | | | |
| 45750.0 | 51190.0 | 0.403 | 211.0 | -20.5 | -2.16 | 1.389 | 82.8 | 0.908 | 10.529 | 15.1 | 177.4 | 0.972D | 20.086A | 2.46 | 0.075 | 114.2 | 166.1 | -64.0 | 0.154 |
| | | 8.49 | 4.54 | 13.04 | ONE | 20.795 | 185.3 | 33.9 | 81.0 | | | | | | | | | | |
| 45760.0 | 51190.0 | 0.444 | 207.7 | -16.0 | -1.41 | 1.387 | 78.0 | 0.910 | 10.513 | 25.2 | 177.4 | 0.946D | 20.081A | 1.65 | 0.074 | 114.2 | 165.4 | -63.7 | 0.154 |
| | | 9.41 | 4.55 | 13.97 | ONE | 20.795 | 185.3 | 33.9 | 81.1 | | | | | | | | | | |
| 45770.0 | 51190.0 | 0.501 | 206.2 | -13.9 | -1.07 | 1.385 | 73.2 | 0.914 | 10.489 | 35.3 | 177.5 | 0.906D | 20.073A | 1.25 | 0.073 | 114.3 | 165.2 | -63.4 | 0.156 |
| | | 10.76 | 4.56 | 15.33 | ONE | 20.795 | 185.3 | 33.9 | 81.4 | | | | | | | | | | |
| 45780.0 | 51190.0 | 0.569 | 206.5 | -13.1 | -0.89 | 1.383 | 68.3 | 0.918 | 10.458 | 45.4 | 177.7 | 0.854D | 20.062A | 1.00 | 0.071 | 114.3 | 165.2 | -63.0 | 0.157 |
| | | 12.43 | 4.58 | 17.02 | ONE | 20.795 | 185.3 | 33.9 | 81.8 | | | | | | | | | | |
| 45790.0 | 51190.0 | 0.645 | 208.3 | -13.2 | -0.78 | 1.381 | 63.4 | 0.924 | 10.420 | 55.5 | 177.8 | 0.791D | 20.050A | 0.82 | 0.068 | 114.4 | 165.3 | -62.6 | 0.160 |
| | | 14.35 | 4.60 | 18.96 | ONE | 20.795 | 185.3 | 33.9 | 82.2 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2447260.0 | | | | | | | | | | | |
| 46110.0 | 47260.0 | 0.639<br>14.21 | 237.5<br>20.42 | -20.7<br>34.63 | -0.22<br>ONE | 1.650<br>18.933 | 91.7<br>213.7 | 1.687<br>76.0 | -1.436<br>9.2 | 357.3 | 480.7 | 0.987 | NA | 0.87 | 0.895 | 174.6 | 72.8 | -81.8 | 0.891 |
| 46120.0 | 47260.0 | 0.646<br>14.37 | 231.4<br>20.51 | -19.3<br>34.89 | -0.20<br>ONE | 1.650<br>18.933 | 85.4<br>213.7 | 1.692<br>76.0 | -1.423<br>9.2 | 7.3 | 120.6 | 0.985D | NA | 0.83 | 0.898 | 174.6 | 72.6 | -81.8 | 0.895 |
| | | | | | | | | ARRIVAL DATE = 2447360.0 | | | | | | | | | | | |
| 46090.0 | 47360.0 | 0.648<br>14.43 | 243.1<br>18.07 | -22.0<br>32.49 | -0.35<br>ONE | 1.604<br>18.371 | 101.8<br>211.2 | 1.515<br>75.0 | -1.844<br>10.5 | 340.4 | 485.3 | 0.950 | NA | 1.03 | 0.804 | 174.3 | 73.9 | -81.9 | 0.803 |
| 46100.0 | 47360.0 | 0.610<br>13.44 | 239.3<br>18.16 | -21.2<br>31.61 | -0.28<br>ONE | 1.606<br>18.371 | 96.1<br>211.2 | 1.536<br>75.0 | -1.821<br>10.4 | 349.9 | 484.6 | 0.976 | NA | 0.95 | 0.808 | 174.2 | 72.9 | -81.9 | 0.806 |
| 46110.0 | 47360.0 | 0.594<br>13.05 | 233.7<br>18.25 | -19.9<br>31.30 | -0.25<br>ONE | 1.606<br>18.371 | 90.2<br>211.2 | 1.548<br>75.0 | -1.803<br>10.3 | 359.6 | 484.2 | 0.987 | NA | 0.89 | 0.811 | 174.2 | 72.3 | -81.8 | 0.810 |
| 46120.0 | 47360.0 | 0.607<br>13.37 | 227.4<br>18.32 | -18.3<br>31.69 | -0.22<br>ONE | 1.606<br>18.371 | 84.1<br>211.2 | 1.548<br>75.0 | -1.789<br>10.3 | 9.7 | 124.2 | 0.981D | NA | 0.84 | 0.814 | 174.2 | 72.2 | -81.8 | 0.812 |
| 46130.0 | 47360.0 | 0.649<br>14.46 | 221.7<br>18.38 | -16.6<br>32.84 | -0.21<br>ONE | 1.606<br>18.371 | 77.7<br>211.2 | 1.537<br>75.0 | -1.778<br>10.3 | 20.2 | 124.7 | 0.955D | NA | 0.80 | 0.816 | 174.3 | 72.6 | -81.8 | 0.815 |
| | | | | | | | | ARRIVAL DATE = 2447460.0 | | | | | | | | | | | |
| 46090.0 | 47460.0 | 0.603<br>13.27 | 240.4<br>16.29 | -21.7<br>29.56 | -0.39<br>ONE | 1.571<br>19.841 | 100.3<br>208.9 | 1.417<br>74.0 | -2.298<br>11.6 | 342.4 | 488.4 | 0.957 | NA | 1.06 | 0.734 | 173.8 | 73.4 | -81.9 | 0.734 |
| 46100.0 | 47460.0 | 0.569<br>12.42 | 236.1<br>16.37 | -20.7<br>28.79 | -0.31<br>ONE | 1.571<br>19.841 | 94.8<br>208.9 | 1.431<br>74.0 | -2.271<br>11.5 | 351.9 | 487.8 | 0.980 | NA | 0.97 | 0.738 | 173.8 | 72.4 | -81.8 | 0.737 |
| 46110.0 | 47460.0 | 0.559<br>12.17 | 230.1<br>16.43 | -19.2<br>28.60 | -0.27<br>ONE | 1.572<br>19.841 | 89.0<br>208.9 | 1.439<br>74.0 | -2.251<br>11.4 | 1.7 | 127.5 | 0.987D | NA | 0.90 | 0.740 | 173.8 | 72.0 | -81.8 | 0.740 |
| 46120.0 | 47460.0 | 0.577<br>12.63 | 223.7<br>16.49 | -17.4<br>29.12 | -0.24<br>ONE | 1.571<br>19.841 | 83.0<br>208.9 | 1.437<br>74.0 | -2.236<br>11.4 | 11.9 | 127.6 | 0.977D | NA | 0.85 | 0.742 | 173.8 | 72.0 | -81.8 | 0.742 |
| 46130.0 | 47460.0 | 0.625<br>13.83 | 218.3<br>16.53 | -15.6<br>30.37 | -0.23<br>ONE | 1.570<br>19.841 | 76.7<br>208.9 | 1.426<br>74.0 | -2.225<br>11.5 | 22.5 | 128.2 | 0.947D | NA | 0.80 | 0.744 | 173.9 | 72.5 | -81.8 | 0.744 |
| | | | | | | | | ARRIVAL DATE = 2447560.0 | | | | | | | | | | | |
| 46080.0 | 47560.0 | 0.614<br>13.59 | 240.5<br>14.71 | -22.2<br>28.26 | -0.60<br>ONE | 1.542<br>20.062 | 104.3<br>207.0 | 1.321<br>73.0 | -2.896<br>12.9 | 334.9 | 492.2 | 0.931 | NA | 1.29 | 0.670 | 173.5 | 74.4 | -82.0 | 0.672 |
| 46090.0 | 47560.0 | 0.566<br>12.35 | 237.8<br>14.78 | -21.3<br>27.14 | -0.43<br>ONE | 1.543<br>20.062 | 99.1<br>207.0 | 1.337<br>73.0 | -2.856<br>12.7 | 344.2 | 491.4 | 0.963 | NA | 1.10 | 0.674 | 173.4 | 73.1 | -81.9 | 0.675 |
| 46100.0 | 47560.0 | 0.537<br>11.63 | 233.0<br>14.85 | -20.1<br>26.47 | -0.34<br>ONE | 1.544<br>20.062 | 93.6<br>207.0 | 1.348<br>73.0 | -2.824<br>12.6 | 353.8 | 490.8 | 0.982 | NA | 0.99 | 0.676 | 173.3 | 72.2 | -81.8 | 0.678 |
| 46110.0 | 47560.0 | 0.532<br>11.51 | 226.8<br>14.90 | -18.4<br>26.40 | -0.29<br>ONE | 1.543<br>20.062 | 87.9<br>207.0 | 1.352<br>73.0 | -2.801<br>12.5 | 3.7 | 130.6 | 0.986D | NA | 0.91 | 0.679 | 173.3 | 71.8 | -81.8 | 0.680 |
| 46120.0 | 47560.0 | 0.555<br>12.09 | 220.4<br>14.94 | -16.5<br>27.03 | -0.26<br>ONE | 1.543<br>20.062 | 82.0<br>207.0 | 1.349<br>73.0 | -2.785<br>12.6 | 14.0 | 130.8 | 0.973D | NA | 0.85 | 0.680 | 173.4 | 72.0 | -81.8 | 0.681 |
| 46130.0 | 47560.0 | 0.607<br>13.37 | 215.3<br>14.98 | -14.7<br>28.35 | -0.24<br>ONE | 1.542<br>20.062 | 75.9<br>207.0 | 1.339<br>73.0 | -2.775<br>12.7 | 24.7 | 131.4 | 0.940D | NA | 0.81 | 0.681 | 173.5 | 72.7 | -81.8 | 0.683 |
| | | | | | | | | ARRIVAL DATE = 2447660.0 | | | | | | | | | | | |
| 46070.0 | 47660.0 | 0.638<br>14.18 | 239.1<br>13.37 | -23.3<br>27.54 | -1.26<br>ONE | 1.519<br>18.575 | 108.2<br>205.2 | 1.245<br>72.0 | -3.662<br>14.3 | 327.3 | 496.0 | 0.897 | NA | 1.97 | 0.614 | 173.1 | 75.9 | -82.1 | 0.618 |
| 46080.0 | 47660.0 | 0.581<br>12.72 | 238.4<br>13.44 | -22.0<br>26.16 | -0.68<br>ONE | 1.520<br>18.575 | 103.2<br>205.2 | 1.261<br>72.0 | -3.600<br>14.1 | 336.4 | 494.9 | 0.938 | NA | 1.36 | 0.617 | 173.0 | 74.2 | -82.0 | 0.621 |
| 46090.0 | 47660.0 | 0.536<br>11.62 | 235.4<br>13.50 | -21.0<br>25.12 | -0.47<br>ONE | 1.521<br>18.575 | 98.0<br>205.2 | 1.273<br>72.0 | -3.550<br>13.9 | 345.8 | 494.1 | 0.968 | NA | 1.13 | 0.621 | 172.9 | 73.0 | -81.9 | 0.623 |
| 46100.0 | 47660.0 | 0.511<br>11.00 | 230.1<br>13.55 | -19.6<br>24.55 | -0.37<br>ONE | 1.521<br>18.575 | 92.5<br>205.2 | 1.280<br>72.0 | -3.512<br>13.8 | 355.5 | 493.7 | 0.984 | NA | 1.01 | 0.623 | 172.9 | 72.2 | -81.9 | 0.626 |
| 46110.0 | 47660.0 | 0.511<br>10.99 | 223.7<br>13.60 | -17.7<br>24.59 | -0.31<br>ONE | 1.521<br>18.575 | 86.9<br>205.2 | 1.283<br>72.0 | -3.485<br>13.7 | 5.5 | 133.6 | 0.985D | NA | 0.93 | 0.625 | 172.9 | 71.9 | -81.8 | 0.627 |
| 46120.0 | 47660.0 | 0.539<br>11.68 | 217.5<br>13.63 | -15.6<br>25.31 | -0.28<br>ONE | 1.520<br>18.575 | 81.1<br>205.2 | 1.279<br>72.0 | -3.468<br>13.8 | 15.9 | 133.8 | 0.968D | NA | 0.86 | 0.626 | 172.9 | 72.2 | -81.8 | 0.629 |
| 46130.0 | 47660.0 | 0.593<br>13.04 | 212.7<br>13.66 | -13.9<br>26.69 | -0.26<br>ONE | 1.518<br>18.575 | 75.1<br>205.2 | 1.270<br>72.0 | -3.459<br>13.9 | 26.6 | 134.5 | 0.933D | NA | 0.81 | 0.627 | 173.1 | 73.0 | -81.9 | 0.630 |
| | | | | | | | | ARRIVAL DATE = 2447760.0 | | | | | | | | | | | |
| 46070.0 | 47760.0 | 0.609<br>13.44 | 237.5<br>12.29 | -23.7<br>25.73 | -1.49<br>ONE | 1.501<br>18.783 | 107.1<br>203.6 | 1.198<br>71.0 | -4.568<br>15.5 | 328.6 | 498.5 | 0.905 | NA | 2.19 | 0.568 | 172.6 | 76.0 | -82.2 | 0.573 |
| 46080.0 | 47760.0 | 0.554<br>12.04 | 236.6<br>12.35 | -21.9<br>24.39 | -0.75<br>ONE | 1.502<br>18.783 | 102.2<br>203.6 | 1.210<br>71.0 | -4.489<br>15.2 | 337.8 | 497.5 | 0.944 | NA | 1.43 | 0.571 | 172.5 | 74.4 | -82.0 | 0.576 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46090.0 | 47760.0 | 0.512 | 233.1 | -20.7 | -0.52 | 1.503 | 97.0 | 1.219 | -4.427 | 347.3 | 496.8 | 0.971 | NA | 1.17 | 0.574 | 172.4 | 73.1 | -81.9 | 0.578 |
| | | 11.02 | 12.40 | 23.42 | ONE | 18.783 | 203.6 | 71.0 | 15.1 | | | | | | | | | | |
| 46100.0 | 47760.0 | 0.490 | 227.5 | -19.0 | -0.40 | 1.502 | 91.6 | 1.225 | -4.381 | 357.1 | 496.4 | 0.985 | NA | 1.03 | 0.576 | 172.4 | 72.4 | -81.9 | 0.580 |
| | | 10.50 | 12.45 | 22.95 | ONE | 18.783 | 203.6 | 71.0 | 14.9 | | | | | | | | | | |
| 46110.0 | 47760.0 | 0.494 | 221.0 | -16.9 | -0.34 | 1.502 | 86.1 | 1.226 | -4.350 | 7.1 | 136.3 | 0.983D | NA | 0.94 | 0.577 | 172.4 | 72.2 | -81.9 | 0.581 |
| | | 10.60 | 12.48 | 23.08 | ONE | 18.783 | 203.6 | 71.0 | 14.9 | | | | | | | | | | |
| 46120.0 | 47760.0 | 0.526 | 214.9 | -14.8 | -0.30 | 1.501 | 80.3 | 1.223 | -4.332 | 17.5 | 136.7 | 0.964D | NA | 0.87 | 0.578 | 172.5 | 72.6 | -81.9 | 0.582 |
| | | 11.37 | 12.51 | 23.87 | ONE | 18.783 | 203.6 | 71.0 | 15.0 | | | | | | | | | | |
| 46130.0 | 47760.0 | 0.583 | 210.5 | -13.1 | -0.28 | 1.499 | 74.4 | 1.214 | -4.325 | 28.3 | 137.4 | 0.927D | NA | 0.82 | 0.578 | 172.6 | 73.6 | -81.9 | 0.583 |
| | | 12.78 | 12.53 | 25.31 | ONE | 18.783 | 203.6 | 71.0 | 15.1 | | | | | | | | | | |
| ARRIVAL DATE = 2447860.0 | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 47860.0 | 0.585 | 236.0 | -24.2 | -1.77 | 1.486 | 106.2 | 1.159 | -5.742 | 329.8 | 500.8 | 0.912 | NA | 2.47 | 0.527 | 172.1 | 76.3 | -82.2 | 0.534 |
| | | 12.82 | 11.36 | 24.18 | ONE | 20.249 | 202.2 | 69.9 | 16.7 | | | | | | | | | | |
| 46080.0 | 47860.0 | 0.531 | 234.8 | -21.9 | -0.84 | 1.487 | 101.3 | 1.168 | -5.637 | 339.1 | 499.9 | 0.949 | NA | 1.52 | 0.530 | 172.0 | 74.7 | -82.0 | 0.536 |
| | | 11.48 | 11.41 | 22.89 | ONE | 20.249 | 202.2 | 69.9 | 16.5 | | | | | | | | | | |
| 46090.0 | 47860.0 | 0.492 | 231.0 | -20.4 | -0.56 | 1.487 | 96.1 | 1.175 | -5.557 | 348.6 | 499.3 | 0.974 | NA | 1.21 | 0.532 | 171.9 | 73.5 | -82.0 | 0.538 |
| | | 10.54 | 11.46 | 21.99 | ONE | 20.249 | 202.2 | 69.9 | 16.3 | | | | | | | | | | |
| 46100.0 | 47860.0 | 0.473 | 225.1 | -18.5 | -0.43 | 1.487 | 90.8 | 1.179 | -5.500 | 358.5 | 498.9 | 0.986 | NA | 1.06 | 0.534 | 171.9 | 72.9 | -81.9 | 0.539 |
| | | 10.10 | 11.49 | 21.59 | ONE | 20.249 | 202.2 | 69.9 | 16.2 | | | | | | | | | | |
| 46110.0 | 47860.0 | 0.481 | 218.5 | -16.3 | -0.36 | 1.486 | 85.4 | 1.180 | -5.463 | 8.6 | 138.9 | 0.981D | NA | 0.96 | 0.535 | 171.9 | 72.8 | -81.9 | 0.541 |
| | | 10.29 | 11.52 | 21.81 | ONE | 20.249 | 202.2 | 69.9 | 16.1 | | | | | | | | | | |
| 46120.0 | 47860.0 | 0.516 | 212.6 | -14.1 | -0.32 | 1.485 | 79.7 | 1.176 | -5.445 | 19.0 | 139.3 | 0.960D | NA | 0.88 | 0.536 | 172.0 | 73.2 | -81.9 | 0.542 |
| | | 11.13 | 11.54 | 22.67 | ONE | 20.249 | 202.2 | 69.9 | 16.2 | | | | | | | | | | |
| 46130.0 | 47860.0 | 0.576 | 208.5 | -12.5 | -0.29 | 1.483 | 73.9 | 1.169 | -5.442 | 29.9 | 140.1 | 0.921D | NA | 0.82 | 0.536 | 172.2 | 74.4 | -81.9 | 0.542 |
| | | 12.59 | 11.56 | 24.15 | ONE | 20.249 | 202.2 | 69.9 | 16.4 | | | | | | | | | | |
| ARRIVAL DATE = 2447960.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 47960.0 | 0.641 | 239.7 | -4.8 | 7.07 | 1.472 | 110.2 | 1.117 | -7.482 | 321.8 | 504.1 | 0.872 | NA | -6.35 | 0.487 | 171.7 | 81.1 | -81.1 | 0.496 |
| | | 14.25 | 10.50 | 24.75 | TWO | 19.714 | 201.0 | 68.8 | 18.3 | | | | | | | | | | |
| 46070.0 | 47960.0 | 0.565 | 234.5 | -25.0 | -2.13 | 1.473 | 105.4 | 1.126 | -7.303 | 330.9 | 503.0 | 0.918 | NA | 2.83 | 0.490 | 171.5 | 76.9 | -82.3 | 0.499 |
| | | 12.31 | 10.55 | 22.87 | ONE | 19.714 | 201.0 | 68.8 | 18.0 | | | | | | | | | | |
| 46080.0 | 47960.0 | 0.512 | 233.1 | -21.9 | -0.94 | 1.474 | 100.5 | 1.133 | -7.162 | 340.2 | 502.2 | 0.953 | NA | 1.61 | 0.493 | 171.4 | 75.3 | -82.1 | 0.501 |
| | | 11.02 | 10.60 | 21.61 | ONE | 19.714 | 201.0 | 68.8 | 17.7 | | | | | | | | | | |
| 46090.0 | 47960.0 | 0.475 | 229.0 | -20.1 | -0.62 | 1.474 | 95.4 | 1.138 | -7.055 | 349.8 | 501.6 | 0.976 | NA | 1.26 | 0.495 | 171.3 | 74.2 | -82.0 | 0.502 |
| | | 10.14 | 10.63 | 20.77 | ONE | 19.714 | 201.0 | 68.8 | 17.5 | | | | | | | | | | |
| 46100.0 | 47960.0 | 0.460 | 223.0 | -18.0 | -0.47 | 1.474 | 90.2 | 1.141 | -6.981 | 359.7 | 501.3 | 0.986 | NA | 1.08 | 0.496 | 171.3 | 73.6 | -82.0 | 0.503 |
| | | 9.79 | 10.66 | 20.45 | ONE | 19.714 | 201.0 | 68.8 | 17.4 | | | | | | | | | | |
| 46110.0 | 47960.0 | 0.471 | 216.3 | -15.7 | -0.39 | 1.473 | 84.7 | 1.141 | -6.936 | 9.9 | 141.4 | 0.980D | NA | 0.97 | 0.497 | 171.4 | 73.5 | -81.9 | 0.504 |
| | | 10.04 | 10.69 | 20.73 | ONE | 19.714 | 201.0 | 68.8 | 17.4 | | | | | | | | | | |
| 46120.0 | 47960.0 | 0.509 | 210.7 | -13.5 | -0.34 | 1.472 | 79.1 | 1.138 | -6.919 | 20.4 | 141.8 | 0.957D | NA | 0.89 | 0.498 | 171.5 | 74.1 | -81.9 | 0.505 |
| | | 10.94 | 10.70 | 21.65 | ONE | 19.714 | 201.0 | 68.8 | 17.5 | | | | | | | | | | |
| 46130.0 | 47960.0 | 0.570 | 206.9 | -11.9 | -0.31 | 1.470 | 73.4 | 1.132 | -6.924 | 31.2 | 142.6 | 0.916D | NA | 0.83 | 0.498 | 171.7 | 75.4 | -82.0 | 0.506 |
| | | 12.44 | 10.72 | 23.16 | ONE | 19.714 | 201.0 | 68.8 | 17.7 | | | | | | | | | | |
| 46140.0 | 47960.0 | 0.649 | 205.1 | -11.1 | -0.30 | 1.468 | 67.5 | 1.123 | -6.949 | 42.4 | 143.8 | 0.857D | NA | 0.77 | 0.497 | 172.0 | 77.3 | -82.0 | 0.506 |
| | | 14.45 | 10.73 | 25.18 | ONE | 19.714 | 201.0 | 68.8 | 17.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448060.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 48060.0 | 0.614 | 237.7 | -8.6 | 5.00 | 1.462 | 109.5 | 1.090 | -9.724 | 322.6 | 506.1 | 0.878 | NA | -4.28 | 0.454 | 171.1 | 81.6 | -81.4 | 0.465 |
| | | 13.56 | 9.81 | 23.36 | TWO | 18.413 | 199.8 | 67.8 | 19.6 | | | | | | | | | | |
| 46070.0 | 48060.0 | 0.548 | 233.0 | -26.1 | -2.61 | 1.463 | 104.8 | 1.097 | -9.465 | 331.8 | 505.1 | 0.922 | NA | 3.31 | 0.457 | 171.0 | 77.7 | -82.5 | 0.467 |
| | | 11.90 | 9.85 | 21.75 | ONE | 18.413 | 199.8 | 67.8 | 19.2 | | | | | | | | | | |
| 46080.0 | 48060.0 | 0.496 | 231.6 | -21.9 | -1.05 | 1.463 | 99.8 | 1.103 | -9.263 | 341.2 | 504.3 | 0.956 | NA | 1.72 | 0.459 | 170.8 | 76.2 | -82.2 | 0.469 |
| | | 10.63 | 9.89 | 20.52 | ONE | 18.413 | 199.8 | 67.8 | 19.0 | | | | | | | | | | |
| 46090.0 | 48060.0 | 0.461 | 227.3 | -19.9 | -0.67 | 1.463 | 94.8 | 1.107 | -9.114 | 350.9 | 503.8 | 0.978 | NA | 1.31 | 0.461 | 170.8 | 75.1 | -82.1 | 0.470 |
| | | 9.81 | 9.92 | 19.73 | ONE | 18.413 | 199.8 | 67.8 | 18.8 | | | | | | | | | | |
| 46100.0 | 48060.0 | 0.449 | 221.0 | -17.6 | -0.50 | 1.463 | 89.6 | 1.109 | -9.014 | 0.8 | 143.6 | 0.986D | NA | 1.11 | 0.463 | 170.8 | 74.5 | -82.0 | 0.471 |
| | | 9.53 | 9.94 | 19.47 | ONE | 18.413 | 199.8 | 67.8 | 18.7 | | | | | | | | | | |
| 46110.0 | 48060.0 | 0.463 | 214.4 | -15.2 | -0.41 | 1.462 | 84.2 | 1.109 | -8.959 | 11.0 | 143.7 | 0.978D | NA | 0.99 | 0.463 | 170.8 | 74.6 | -82.0 | 0.472 |
| | | 9.85 | 9.96 | 19.81 | ONE | 18.413 | 199.8 | 67.8 | 18.7 | | | | | | | | | | |
| 46120.0 | 48060.0 | 0.503 | 209.0 | -13.0 | -0.36 | 1.460 | 78.7 | 1.107 | -8.944 | 21.6 | 144.1 | 0.953D | NA | 0.91 | 0.464 | 170.9 | 75.3 | -82.0 | 0.473 |
| | | 10.80 | 9.98 | 20.77 | ONE | 18.413 | 199.8 | 67.8 | 18.8 | | | | | | | | | | |
| 46130.0 | 48060.0 | 0.565 | 205.5 | -11.5 | -0.33 | 1.459 | 73.0 | 1.102 | -8.965 | 32.4 | 144.9 | 0.911D | NA | 0.84 | 0.463 | 171.1 | 76.7 | -82.0 | 0.473 |
| | | 12.32 | 9.99 | 22.31 | ONE | 18.413 | 199.8 | 67.8 | 19.0 | | | | | | | | | | |
| 46140.0 | 48060.0 | 0.644 | 204.0 | -10.7 | -0.31 | 1.457 | 67.2 | 1.094 | -9.015 | 43.5 | 146.1 | 0.852D | NA | 0.78 | 0.463 | 171.4 | 78.8 | -82.1 | 0.474 |
| | | 14.33 | 10.00 | 24.33 | ONE | 18.413 | 199.8 | 67.8 | 19.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 COAST | PSI 1 RAS | ECCEN DEGLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2448160.0 | | | | | | | | | | | |
| 46060.0 | 48160.0 | 0.595 | 236.3 | -10.5 | 3.95 | 1.453 | 108.9 | 1.068 | -13.026 | 323.4 | 508.0 | 0.883 | NA | -3.23 | 0.424 | 170.6 | 82.6 | -81.5 | 0.437 |
| | | 13.08 | 9.20 | 22.27 | TWO | 19.338 | 198.8 | 66.7 | 20.9 | | | | | | | | | | |
| 46070.0 | 48160.0 | 0.535 | 231.5 | -27.8 | -3.29 | 1.454 | 104.2 | 1.073 | -12.623 | 332.7 | 507.1 | 0.926 | NA | 3.98 | 0.427 | 170.4 | 78.9 | -82.6 | 0.439 |
| | | 11.57 | 9.24 | 20.81 | ONE | 19.338 | 198.8 | 66.7 | 20.6 | | | | | | | | | | |
| 46080.0 | 48160.0 | 0.482 | 230.3 | -22.1 | -1.18 | 1.454 | 99.3 | 1.078 | -12.316 | 342.1 | 506.4 | 0.959 | NA | 1.84 | 0.429 | 170.3 | 77.4 | -82.2 | 0.440 |
| | | 10.31 | 9.27 | 19.58 | ONE | 19.338 | 198.8 | 66.7 | 20.3 | | | | | | | | | | |
| 46090.0 | 48160.0 | 0.449 | 225.7 | -19.7 | -0.73 | 1.454 | 94.2 | 1.081 | -12.094 | 351.8 | 505.9 | 0.979 | NA | 1.36 | 0.431 | 170.2 | 76.3 | -82.1 | 0.441 |
| | | 9.54 | 9.29 | 18.84 | ONE | 19.338 | 198.8 | 66.7 | 20.1 | | | | | | | | | | |
| 46100.0 | 48160.0 | 0.439 | 219.3 | -17.3 | -0.54 | 1.453 | 89.1 | 1.082 | -11.951 | 1.8 | 145.7 | 0.985D | NA | 1.14 | 0.432 | 170.2 | 75.8 | -82.1 | 0.442 |
| | | 9.32 | 9.31 | 18.63 | ONE | 19.338 | 198.8 | 66.7 | 20.0 | | | | | | | | | | |
| 46110.0 | 48160.0 | 0.456 | 212.8 | -14.7 | -0.44 | 1.457 | 83.7 | 1.082 | -11.880 | 12.0 | 145.8 | 0.976D | NA | 1.01 | 0.433 | 170.2 | 75.9 | -82.0 | 0.443 |
| | | 9.69 | 9.33 | 19.02 | ONE | 19.338 | 198.8 | 66.7 | 20.0 | | | | | | | | | | |
| 46120.0 | 48160.0 | 0.498 | 207.5 | -12.5 | -0.38 | 1.451 | 78.3 | 1.080 | -11.874 | 22.6 | 146.3 | 0.950D | NA | 0.92 | 0.433 | 170.4 | 76.7 | -82.1 | 0.443 |
| | | 10.68 | 9.34 | 20.02 | ONE | 19.338 | 198.8 | 66.7 | 20.2 | | | | | | | | | | |
| 46130.0 | 48160.0 | 0.561 | 204.3 | -11.1 | -0.35 | 1.449 | 72.7 | 1.076 | -11.924 | 33.4 | 147.1 | 0.907D | NA | 0.84 | 0.432 | 170.6 | 78.3 | -82.1 | 0.444 |
| | | 12.22 | 9.35 | 21.57 | ONE | 19.338 | 198.8 | 66.7 | 20.4 | | | | | | | | | | |
| 46140.0 | 48160.0 | 0.640 | 203.1 | -10.4 | -0.33 | 1.447 | 66.9 | 1.070 | -12.022 | 44.5 | 148.2 | 0.847D | NA | 0.78 | 0.431 | 170.9 | 80.5 | -82.1 | 0.444 |
| | | 14.23 | 9.36 | 23.59 | ONE | 19.338 | 198.8 | 66.7 | 20.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448260.0 | | | | | | | | | | | |
| 46050.0 | 48260.0 | 0.641 | 232.5 | -16.4 | 1.21 | 1.444 | 113.0 | 1.044 | -19.217 | 315.0 | 510.9 | 0.837 | NA | -0.47 | 0.394 | 170.2 | 86.8 | -82.0 | 0.409 |
| | | 14.26 | 8.62 | 22.88 | TWO | 20.425 | 197.8 | 65.6 | 22.7 | | | | | | | | | | |
| 46060.0 | 48260.0 | 0.580 | 235.3 | -11.6 | 3.31 | 1.445 | 108.4 | 1.048 | -18.323 | 324.1 | 509.8 | 0.888 | NA | -2.59 | 0.397 | 169.9 | 84.0 | -81.6 | 0.411 |
| | | 12.70 | 8.66 | 21.36 | TWO | 20.425 | 197.8 | 65.6 | 22.3 | | | | | | | | | | |
| 46070.0 | 48260.0 | 0.525 | 229.9 | -30.4 | -4.32 | 1.446 | 103.7 | 1.053 | -17.631 | 333.4 | 508.9 | 0.930 | NA | 5.01 | 0.399 | 169.8 | 80.4 | -82.9 | 0.413 |
| | | 11.34 | 8.70 | 20.04 | ONE | 20.425 | 197.8 | 65.6 | 22.0 | | | | | | | | | | |
| 46080.0 | 48260.0 | 0.471 | 229.0 | -22.3 | -1.32 | 1.446 | 98.8 | 1.056 | -17.114 | 342.9 | 508.3 | 0.961 | NA | 1.98 | 0.402 | 169.6 | 78.9 | -82.3 | 0.414 |
| | | 10.04 | 8.72 | 18.76 | ONE | 20.425 | 197.8 | 65.6 | 21.6 | | | | | | | | | | |
| 46090.0 | 48260.0 | 0.440 | 224.3 | -19.6 | -0.79 | 1.446 | 93.8 | 1.059 | -16.751 | 352.6 | 507.9 | 0.980 | NA | 1.42 | 0.403 | 169.6 | 77.8 | -82.2 | 0.415 |
| | | 9.32 | 8.75 | 18.07 | ONE | 20.425 | 197.8 | 65.6 | 21.5 | | | | | | | | | | |
| 46100.0 | 48260.0 | 0.432 | 217.9 | -17.0 | -0.58 | 1.445 | 88.6 | 1.060 | -16.527 | 2.6 | 147.7 | 0.985D | NA | 1.17 | 0.404 | 169.6 | 77.3 | -82.1 | 0.416 |
| | | 9.14 | 8.76 | 17.90 | ONE | 20.425 | 197.8 | 65.6 | 21.4 | | | | | | | | | | |
| 46110.0 | 48260.0 | 0.450 | 211.4 | -14.3 | -0.47 | 1.444 | 83.4 | 1.059 | -16.429 | 12.9 | 147.8 | 0.975D | NA | 1.03 | 0.405 | 169.6 | 77.5 | -82.1 | 0.417 |
| | | 9.56 | 8.78 | 18.34 | ONE | 20.425 | 197.8 | 65.6 | 21.4 | | | | | | | | | | |
| 46120.0 | 48260.0 | 0.494 | 206.3 | -12.1 | -0.41 | 1.443 | 77.9 | 1.058 | -16.443 | 23.4 | 148.3 | 0.948D | NA | 0.93 | 0.405 | 169.8 | 78.4 | -82.1 | 0.417 |
| | | 10.58 | 8.79 | 19.37 | ONE | 20.425 | 197.8 | 65.6 | 21.5 | | | | | | | | | | |
| 46130.0 | 48260.0 | 0.558 | 203.3 | -10.7 | -0.37 | 1.441 | 72.4 | 1.055 | -16.558 | 34.2 | 149.1 | 0.904D | NA | 0.85 | 0.404 | 170.0 | 80.1 | -82.1 | 0.418 |
| | | 12.14 | 8.80 | 20.93 | ONE | 20.425 | 197.8 | 65.6 | 21.8 | | | | | | | | | | |
| 46140.0 | 48260.0 | 0.637 | 202.3 | -10.1 | -0.34 | 1.439 | 66.7 | 1.050 | -16.759 | 45.3 | 150.2 | 0.843D | NA | 0.79 | 0.403 | 170.3 | 82.6 | -82.2 | 0.418 |
| | | 14.14 | 8.81 | 22.94 | ONE | 20.425 | 197.8 | 65.6 | 22.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448360.0 | | | | | | | | | | | |
| 46050.0 | 48360.0 | 0.629 | 232.0 | -16.3 | 1.18 | 1.437 | 112.6 | 1.028 | -30.016 | 315.5 | 512.6 | 0.841 | NA | -0.44 | 0.369 | 169.5 | 88.8 | -82.0 | 0.386 |
| | | 13.95 | 8.16 | 22.11 | TWO | 19.274 | 196.9 | 64.6 | 24.1 | | | | | | | | | | |
| 46060.0 | 48360.0 | 0.567 | 234.5 | -12.3 | 2.88 | 1.438 | 108.0 | 1.032 | -28.114 | 324.6 | 511.5 | 0.891 | NA | -2.17 | 0.372 | 169.3 | 85.8 | -81.7 | 0.388 |
| | | 12.38 | 8.19 | 20.58 | TWO | 19.274 | 196.9 | 64.6 | 23.7 | | | | | | | | | | |
| 46070.0 | 48360.0 | 0.522 | 227.9 | -34.9 | -6.05 | 1.439 | 103.2 | 1.035 | -26.695 | 334.0 | 510.7 | 0.933 | NA | 6.73 | 0.374 | 169.1 | 82.3 | -83.3 | 0.390 |
| | | 11.26 | 8.23 | 19.49 | ONE | 19.274 | 196.9 | 64.6 | 23.4 | | | | | | | | | | |
| 46080.0 | 48360.0 | 0.461 | 227.9 | -22.6 | -1.49 | 1.440 | 98.4 | 1.038 | -25.669 | 343.5 | 510.1 | 0.963 | NA | 2.14 | 0.376 | 169.0 | 80.7 | -82.4 | 0.391 |
| | | 9.82 | 8.25 | 18.06 | ONE | 19.274 | 196.9 | 64.6 | 23.0 | | | | | | | | | | |
| 46090.0 | 48360.0 | 0.431 | 223.1 | -19.5 | -0.87 | 1.439 | 93.4 | 1.039 | -24.974 | 353.3 | 509.7 | 0.981 | NA | 1.48 | 0.378 | 168.9 | 79.6 | -82.3 | 0.392 |
| | | 9.13 | 8.26 | 17.40 | ONE | 19.274 | 196.9 | 64.6 | 22.9 | | | | | | | | | | |
| 46100.0 | 48360.0 | 0.425 | 216.6 | -16.7 | -0.62 | 1.439 | 88.3 | 1.040 | -24.565 | 3.4 | 149.6 | 0.985D | NA | 1.21 | 0.379 | 168.9 | 79.1 | -82.2 | 0.392 |
| | | 9.00 | 8.28 | 17.28 | ONE | 19.274 | 196.9 | 64.6 | 22.8 | | | | | | | | | | |
| 46110.0 | 48360.0 | 0.445 | 210.2 | -14.0 | -0.50 | 1.437 | 83.0 | 1.040 | -24.410 | 13.6 | 149.7 | 0.973D | NA | 1.05 | 0.379 | 169.0 | 79.4 | -82.2 | 0.393 |
| | | 9.45 | 8.29 | 17.74 | ONE | 19.274 | 196.9 | 64.6 | 22.8 | | | | | | | | | | |
| 46120.0 | 48360.0 | 0.490 | 205.3 | -11.8 | -0.43 | 1.436 | 77.7 | 1.039 | -24.484 | 24.2 | 150.2 | 0.945D | NA | 0.94 | 0.379 | 169.1 | 80.5 | -82.2 | 0.393 |
| | | 10.49 | 8.30 | 18.79 | ONE | 19.274 | 196.9 | 64.6 | 23.0 | | | | | | | | | | |
| 46130.0 | 48360.0 | 0.554 | 202.5 | -10.4 | -0.39 | 1.434 | 72.2 | 1.036 | -24.767 | 35.0 | 150.9 | 0.901D | NA | 0.86 | 0.378 | 169.4 | 82.3 | -82.2 | 0.394 |
| | | 12.06 | 8.31 | 20.37 | ONE | 19.274 | 196.9 | 64.6 | 23.2 | | | | | | | | | | |
| 46140.0 | 48360.0 | 0.633 | 201.7 | -9.9 | -0.36 | 1.432 | 66.6 | 1.033 | -25.235 | 46.0 | 152.0 | 0.840D | NA | 0.79 | 0.377 | 169.7 | 84.9 | -82.2 | 0.394 |
| | | 14.06 | 8.32 | 22.37 | ONE | 19.274 | 196.9 | 64.6 | 23.6 | | | | | | | | | | |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448460.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 48460.0 | 0.619 | 231.7 | -16.3 | 1.15 | 1.432 | 112.2 | 1.015 | -58.160 | 315.9 | 514.1 | 0.844 | NA | -0.41 | 0.346 | 168.8 | 91.1 | -82.0 | 0.365 |
| | | 13.70 | 7.75 | 21.45 | TWO | 18.509 | 196.1 | 63.5 | 25.6 | | | | | | | | | | |
| 46060.0 | 48460.0 | 0.557 | 233.9 | -12.8 | 2.57 | 1.433 | 107.6 | 1.017 | -52.056 | 325.1 | 513.1 | 0.894 | NA | -1.86 | 0.349 | 168.6 | 88.0 | -81.8 | 0.367 |
| | | 12.13 | 7.78 | 19.91 | TWO | 18.509 | 196.1 | 63.5 | 25.1 | | | | | | | | | | |
| 46070.0 | 48460.0 | 0.535 | 224.6 | -43.9 | -9.58 | 1.433 | 102.9 | 1.020 | -47.867 | 334.5 | 512.3 | 0.935 | NA | 10.26 | 0.352 | 168.4 | 85.2 | -84.0 | 0.369 |
| | | 11.59 | 7.82 | 19.41 | ONE | 18.509 | 196.1 | 63.5 | 25.0 | | | | | | | | | | |
| 46080.0 | 48460.0 | 0.453 | 226.9 | -23.1 | -1.69 | 1.434 | 98.0 | 1.021 | -45.026 | 344.1 | 511.8 | 0.965 | NA | 2.33 | 0.353 | 168.3 | 82.9 | -82.5 | 0.369 |
| | | 9.63 | 7.82 | 17.46 | ONE | 18.509 | 196.1 | 63.5 | 24.5 | | | | | | | | | | |
| 46090.0 | 48460.0 | 0.424 | 222.0 | -19.5 | -0.94 | 1.433 | 93.1 | 1.023 | -43.201 | 353.9 | 511.4 | 0.982 | NA | 1.55 | 0.355 | 168.2 | 81.7 | -82.3 | 0.370 |
| | | 8.98 | 7.84 | 16.82 | ONE | 18.509 | 196.1 | 63.5 | 24.3 | | | | | | | | | | |
| 46100.0 | 48460.0 | 0.420 | 215.5 | -16.5 | -0.67 | 1.433 | 88.0 | 1.023 | -42.193 | 4.0 | 151.3 | 0.985D | NA | 1.25 | 0.356 | 168.2 | 81.3 | -82.3 | 0.371 |
| | | 8.87 | 7.85 | 16.73 | ONE | 18.509 | 196.1 | 63.5 | 24.2 | | | | | | | | | | |
| 46110.0 | 48460.0 | 0.441 | 209.2 | -13.8 | -0.53 | 1.432 | 82.8 | 1.023 | -41.881 | 14.3 | 151.5 | 0.972D | NA | 1.07 | 0.356 | 168.3 | 81.7 | -82.2 | 0.371 |
| | | 9.36 | 7.86 | 17.22 | ONE | 18.509 | 196.1 | 63.5 | 24.3 | | | | | | | | | | |
| 46120.0 | 48460.0 | 0.487 | 204.4 | -11.6 | -0.45 | 1.430 | 77.5 | 1.022 | -42.193 | 24.8 | 151.9 | 0.943D | NA | 0.96 | 0.356 | 168.5 | 82.8 | -82.2 | 0.372 |
| | | 10.42 | 7.87 | 18.29 | ONE | 18.509 | 196.1 | 63.5 | 24.4 | | | | | | | | | | |
| 46130.0 | 48460.0 | 0.552 | 201.8 | -10.2 | -0.41 | 1.428 | 72.0 | 1.021 | -43.089 | 35.6 | 152.7 | 0.899D | NA | 0.87 | 0.355 | 168.8 | 84.8 | -82.2 | 0.372 |
| | | 11.99 | 7.88 | 19.87 | ONE | 18.509 | 196.1 | 63.5 | 24.7 | | | | | | | | | | |
| 46140.0 | 48460.0 | 0.630 | 201.1 | -9.7 | -0.38 | 1.426 | 66.5 | 1.019 | -44.542 | 46.6 | 153.7 | 0.838D | NA | 0.79 | 0.354 | 169.1 | 87.6 | -82.3 | 0.372 |
| | | 13.98 | 7.89 | 21.86 | ONE | 18.509 | 196.1 | 63.5 | 25.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2448560.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 48560.0 | 0.611 | 231.4 | -16.2 | 1.13 | 1.427 | 111.9 | 1.003 | ******* | 316.2 | 515.6 | 0.847 | NA | -0.39 | 0.325 | 168.1 | 93.8 | -82.0 | 0.346 |
| | | 13.48 | 7.39 | 20.87 | TWO | 19.910 | 195.4 | 62.4 | 27.1 | | | | | | | | | | |
| 46060.0 | 48560.0 | 0.548 | 233.4 | -13.2 | 2.34 | 1.428 | 107.3 | 1.005 | ******* | 325.5 | 514.6 | 0.897 | NA | -1.64 | 0.328 | 167.9 | 90.5 | -81.8 | 0.348 |
| | | 11.91 | 7.41 | 19.33 | TWO | 19.910 | 195.4 | 62.4 | 26.6 | | | | | | | | | | |
| 46070.0 | 48560.0 | 0.647 | 215.2 | -66.9 | -20.47 | 1.428 | 102.6 | 1.006 | ******* | 335.0 | 513.9 | 0.937 | NA | 21.14 | 0.330 | 167.7 | 95.7 | -86.2 | 0.352 |
| | | 14.40 | 7.49 | 21.89 | ONE | 19.910 | 195.4 | 62.4 | 27.2 | | | | | | | | | | |
| 46080.0 | 48560.0 | 0.446 | 225.9 | -23.7 | -1.93 | 1.429 | 97.7 | 1.007 | ******* | 344.6 | 513.4 | 0.966 | NA | 2.57 | 0.332 | 167.6 | 85.5 | -82.6 | 0.350 |
| | | 9.48 | 7.45 | 16.93 | ONE | 19.910 | 195.4 | 62.4 | 26.0 | | | | | | | | | | |
| 46090.0 | 48560.0 | 0.419 | 221.1 | -19.6 | -1.03 | 1.428 | 92.8 | 1.008 | ******* | 354.4 | 513.0 | 0.982 | NA | 1.63 | 0.333 | 167.5 | 84.3 | -82.4 | 0.350 |
| | | 8.85 | 7.47 | 16.31 | ONE | 19.910 | 195.4 | 62.4 | 25.8 | | | | | | | | | | |
| 46100.0 | 48560.0 | 0.415 | 214.6 | -16.4 | -0.72 | 1.428 | 87.7 | 1.009 | ******* | 4.5 | 153.0 | 0.984D | NA | 1.29 | 0.334 | 167.5 | 83.8 | -82.3 | 0.351 |
| | | 8.77 | 7.48 | 16.25 | ONE | 19.910 | 195.4 | 62.4 | 25.7 | | | | | | | | | | |
| 46110.0 | 48560.0 | 0.438 | 208.3 | -13.6 | -0.56 | 1.426 | 82.6 | 1.009 | ******* | 14.8 | 153.1 | 0.971D | NA | 1.10 | 0.334 | 167.6 | 84.2 | -82.3 | 0.351 |
| | | 9.28 | 7.49 | 16.76 | ONE | 19.910 | 195.4 | 62.4 | 25.8 | | | | | | | | | | |
| 46120.0 | 48560.0 | 0.484 | 203.7 | -11.4 | -0.48 | 1.425 | 77.3 | 1.008 | ******* | 25.3 | 153.6 | 0.942D | NA | 0.97 | 0.334 | 167.8 | 85.5 | -82.3 | 0.352 |
| | | 10.35 | 7.49 | 17.84 | ONE | 19.910 | 195.4 | 62.4 | 25.9 | | | | | | | | | | |
| 46130.0 | 48560.0 | 0.549 | 201.3 | -10.1 | -0.42 | 1.423 | 71.9 | 1.008 | ******* | 36.0 | 154.3 | 0.897D | NA | 0.88 | 0.333 | 168.1 | 87.6 | -82.3 | 0.352 |
| | | 11.92 | 7.50 | 19.42 | ONE | 19.910 | 195.4 | 62.4 | 26.2 | | | | | | | | | | |
| 46140.0 | 48560.0 | 0.627 | 200.7 | -9.6 | -0.39 | 1.421 | 66.4 | 1.006 | ******* | 47.0 | 155.3 | 0.836D | NA | 0.80 | 0.332 | 168.5 | 90.5 | -82.3 | 0.353 |
| | | 13.90 | 7.51 | 21.41 | ONE | 19.910 | 195.4 | 62.4 | 26.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2448660.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 48660.0 | 0.604 | 231.2 | -16.2 | 1.11 | 1.422 | 111.7 | 0.992 | 112.887 | 316.4 | 517.0 | 0.849 | 224.925A | -0.37 | 0.306 | 167.4 | 96.8 | -82.0 | 0.329 |
| | | 13.30 | 7.07 | 20.37 | TWO | 20.340 | 194.7 | 61.3 | 28.6 | | | | | | | | | | |
| 46060.0 | 48660.0 | 0.541 | 233.0 | -13.5 | 2.16 | 1.424 | 107.1 | 0.994 | 138.599 | 325.8 | 516.1 | 0.898 | 276.299A | -1.46 | 0.309 | 167.2 | 93.3 | -81.8 | 0.330 |
| | | 11.73 | 7.09 | 18.82 | TWO | 20.340 | 194.7 | 61.3 | 28.1 | | | | | | | | | | |
| 46080.0 | 48660.0 | 0.441 | 225.1 | -24.5 | -2.22 | 1.424 | 97.5 | 0.995 | 207.706 | 344.9 | 514.9 | 0.967 | 414.445A | 2.85 | 0.313 | 166.8 | 88.5 | -82.7 | 0.332 |
| | | 9.35 | 7.12 | 16.48 | ONE | 20.340 | 194.7 | 61.3 | 27.5 | | | | | | | | | | |
| 46090.0 | 48660.0 | 0.414 | 220.3 | -19.7 | -1.12 | 1.424 | 92.6 | 0.996 | 244.174 | 354.8 | 514.6 | 0.982 | 487.365A | 1.72 | 0.314 | 166.8 | 87.1 | -82.5 | 0.333 |
| | | 8.73 | 7.13 | 15.87 | ONE | 20.340 | 194.7 | 61.3 | 27.3 | | | | | | | | | | |
| 46100.0 | 48660.0 | 0.411 | 213.8 | -16.4 | -0.77 | 1.423 | 87.6 | 0.996 | 269.765 | 4.9 | 154.5 | 0.984D | 538.546A | 1.33 | 0.314 | 166.8 | 86.7 | -82.4 | 0.333 |
| | | 8.68 | 7.14 | 15.82 | ONE | 20.340 | 194.7 | 61.3 | 27.2 | | | | | | | | | | |
| 46110.0 | 48660.0 | 0.435 | 207.6 | -13.4 | -0.60 | 1.422 | 82.4 | 0.996 | 274.625 | 15.2 | 154.7 | 0.970D | 548.280A | 1.12 | 0.314 | 166.9 | 87.2 | -82.3 | 0.333 |
| | | 9.21 | 7.15 | 16.36 | ONE | 20.340 | 194.7 | 61.3 | 27.3 | | | | | | | | | | |
| 46120.0 | 48660.0 | 0.481 | 203.2 | -11.2 | -0.50 | 1.420 | 77.2 | 0.996 | 257.687 | 25.7 | 155.1 | 0.941D | 514.434A | 0.99 | 0.314 | 167.1 | 88.5 | -82.3 | 0.334 |
| | | 10.29 | 7.16 | 17.45 | ONE | 20.340 | 194.7 | 61.3 | 27.5 | | | | | | | | | | |
| 46130.0 | 48660.0 | 0.546 | 200.9 | -10.0 | -0.44 | 1.418 | 71.8 | 0.996 | 227.591 | 36.4 | 155.8 | 0.895D | 454.287A | 0.89 | 0.313 | 167.4 | 90.7 | -82.3 | 0.334 |
| | | 11.86 | 7.17 | 19.02 | ONE | 20.340 | 194.7 | 61.3 | 27.8 | | | | | | | | | | |
| 46140.0 | 48660.0 | 0.624 | 200.4 | -9.5 | -0.41 | 1.416 | 66.4 | 0.996 | 194.595 | 47.3 | 156.7 | 0.835D | 388.355A | 0.81 | 0.312 | 167.8 | 93.8 | -82.3 | 0.335 |
| | | 13.82 | 7.17 | 20.99 | ONE | 20.340 | 194.7 | 61.3 | 28.2 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448760.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 48760.0 | 0.598 | 231.1 | -16.2 | 1.09 | 1.419 | 111.5 | 0.983 | 51.514 | 316.6 | 518.3 | 0.851 | 102.178A | -0.35 | 0.288 | 166.6 | 100.1 | -81.9 | 0.313 |
| | | 13.15 | 6.79 | 19.94 | TWO | 18.876 | 194.0 | 60.2 | 30.2 | | | | | | | | | | |
| 46060.0 | 48760.0 | 0.535 | 232.7 | -13.8 | 2.02 | 1.420 | 106.9 | 0.984 | 55.816 | 326.0 | 517.4 | 0.900 | 110.732A | -1.32 | 0.291 | 166.4 | 96.4 | -81.8 | 0.314 |
| | | 11.58 | 6.80 | 18.39 | TWO | 18.876 | 194.0 | 60.2 | 29.7 | | | | | | | | | | |
| 46070.0 | 48760.0 | 0.600 | 245.7 | 23.6 | 17.61 | 1.420 | 102.2 | 0.984 | 59.927 | 335.5 | 516.8 | 0.939 | 118.915A | -16.94 | 0.293 | 166.2 | 94.9 | -78.4 | 0.317 |
| | | 13.21 | 6.86 | 20.06 | TWO | 18.876 | 194.0 | 60.2 | 30.0 | | | | | | | | | | |
| 46080.0 | 48760.0 | 0.437 | 224.3 | -25.6 | -2.58 | 1.420 | 97.3 | 0.985 | 63.502 | 345.2 | 516.3 | 0.967 | 126.037A | 3.21 | 0.294 | 166.1 | 91.9 | -82.8 | 0.316 |
| | | 9.26 | 6.83 | 16.09 | ONE | 18.876 | 194.0 | 60.2 | 29.0 | | | | | | | | | | |
| 46090.0 | 48760.0 | 0.409 | 219.6 | -19.9 | -1.22 | 1.420 | 92.4 | 0.985 | 66.179 | 355.1 | 516.0 | 0.983 | 131.375A | 1.82 | 0.295 | 166.0 | 90.4 | -82.5 | 0.316 |
| | | 8.64 | 6.84 | 15.48 | ONE | 18.876 | 194.0 | 60.2 | 28.9 | | | | | | | | | | |
| 46100.0 | 48760.0 | 0.408 | 213.2 | -16.4 | -0.82 | 1.419 | 87.4 | 0.985 | 67.654 | 5.2 | 156.0 | 0.984D | 134.325A | 1.38 | 0.296 | 166.0 | 89.9 | -82.4 | 0.317 |
| | | 8.60 | 6.85 | 15.45 | ONE | 18.876 | 194.0 | 60.2 | 28.8 | | | | | | | | | | |
| 46110.0 | 48760.0 | 0.432 | 207.1 | -13.4 | -0.63 | 1.418 | 82.3 | 0.986 | 67.785 | 15.5 | 156.1 | 0.970D | 134.599A | 1.15 | 0.296 | 166.1 | 90.4 | -82.4 | 0.317 |
| | | 9.14 | 6.86 | 16.00 | ONE | 18.876 | 194.0 | 60.2 | 28.9 | | | | | | | | | | |
| 46120.0 | 48760.0 | 0.479 | 202.7 | -11.7 | -0.53 | 1.416 | 77.1 | 0.986 | 66.629 | 26.0 | 156.5 | 0.940D | 132.318A | 1.00 | 0.296 | 166.3 | 91.8 | -82.3 | 0.317 |
| | | 10.23 | 6.86 | 17.09 | ONE | 18.876 | 194.0 | 60.2 | 29.0 | | | | | | | | | | |
| 46130.0 | 48760.0 | 0.544 | 200.5 | -9.9 | -0.46 | 1.414 | 71.8 | 0.986 | 64.429 | 36.7 | 157.2 | 0.894D | 127.964A | 0.90 | 0.295 | 166.6 | 94.1 | -82.3 | 0.318 |
| | | 11.79 | 6.87 | 18.66 | ONE | 18.876 | 194.0 | 60.2 | 29.4 | | | | | | | | | | |
| 46140.0 | 48760.0 | 0.621 | 200.2 | -9.5 | -0.43 | 1.412 | 66.4 | 0.986 | 61.533 | 47.6 | 158.1 | 0.834D | 122.232A | 0.81 | 0.294 | 167.0 | 97.3 | -82.2 | 0.318 |
| | | 13.74 | 6.88 | 20.62 | ONE | 18.876 | 194.0 | 60.2 | 29.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2448860.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 48860.0 | 0.593 | 231.0 | -16.2 | 1.07 | 1.415 | 111.3 | 0.976 | 34.915 | 316.7 | 519.5 | 0.852 | 68.978A | -0.33 | 0.271 | 165.8 | 103.6 | -81.8 | 0.298 |
| | | 13.03 | 6.53 | 19.56 | TWO | 18.857 | 193.4 | 59.1 | 31.8 | | | | | | | | | | |
| 46060.0 | 48860.0 | 0.530 | 232.5 | -14.0 | 1.90 | 1.416 | 106.7 | 0.975 | 36.668 | 326.1 | 518.7 | 0.901 | 72.435A | -1.20 | 0.274 | 165.6 | 99.7 | -81.7 | 0.299 |
| | | 11.46 | 6.55 | 18.01 | TWO | 18.857 | 193.4 | 59.1 | 31.3 | | | | | | | | | | |
| 46070.0 | 48860.0 | 0.514 | 238.2 | 7.8 | 9.81 | 1.417 | 102.0 | 0.975 | 38.239 | 335.7 | 518.1 | 0.940 | 75.537A | -9.15 | 0.276 | 165.4 | 96.5 | -79.9 | 0.301 |
| | | 11.08 | 6.57 | 17.65 | TWO | 18.857 | 193.4 | 59.1 | 31.1 | | | | | | | | | | |
| 46080.0 | 48860.0 | 0.434 | 223.5 | -27.0 | -3.05 | 1.417 | 97.2 | 0.976 | 39.524 | 345.4 | 517.6 | 0.968 | 78.081A | 3.67 | 0.278 | 165.2 | 95.8 | -82.9 | 0.301 |
| | | 9.19 | 6.57 | 15.76 | ONE | 18.857 | 193.4 | 59.1 | 30.7 | | | | | | | | | | |
| 46090.0 | 48860.0 | 0.406 | 219.1 | -20.2 | -1.34 | 1.417 | 92.3 | 0.976 | 40.432 | 355.4 | 517.4 | 0.983 | 79.882A | 1.93 | 0.279 | 165.2 | 94.0 | -82.6 | 0.301 |
| | | 8.56 | 6.58 | 15.14 | ONE | 18.857 | 193.4 | 59.1 | 30.4 | | | | | | | | | | |
| 46100.0 | 48860.0 | 0.404 | 212.7 | -16.4 | -0.88 | 1.416 | 87.3 | 0.976 | 40.898 | 5.5 | 157.3 | 0.984D | 80.813A | 1.43 | 0.279 | 165.2 | 93.5 | -82.4 | 0.302 |
| | | 8.53 | 6.59 | 15.12 | ONE | 18.857 | 193.4 | 59.1 | 30.4 | | | | | | | | | | |
| 46110.0 | 48860.0 | 0.429 | 206.7 | -13.4 | -0.67 | 1.415 | 82.2 | 0.976 | 40.899 | 15.8 | 157.5 | 0.969D | 80.828A | 1.18 | 0.279 | 165.3 | 94.0 | -82.4 | 0.302 |
| | | 9.08 | 6.59 | 15.67 | ONE | 18.857 | 193.4 | 59.1 | 30.5 | | | | | | | | | | |
| 46120.0 | 48860.0 | 0.476 | 202.4 | -11.1 | -0.55 | 1.413 | 77.0 | 0.977 | 40.459 | 26.2 | 157.9 | 0.939D | 79.978A | 1.02 | 0.279 | 165.5 | 95.4 | -82.3 | 0.302 |
| | | 10.17 | 6.60 | 16.77 | ONE | 18.857 | 193.4 | 59.1 | 30.7 | | | | | | | | | | |
| 46130.0 | 48860.0 | 0.541 | 200.3 | -9.9 | -0.49 | 1.411 | 71.8 | 0.977 | 39.646 | 36.9 | 158.5 | 0.894D | 78.398A | 0.91 | 0.278 | 165.8 | 97.8 | -82.3 | 0.303 |
| | | 11.73 | 6.61 | 18.33 | ONE | 18.857 | 193.4 | 59.1 | 31.0 | | | | | | | | | | |
| 46140.0 | 48860.0 | 0.618 | 200.1 | -9.5 | -0.44 | 1.409 | 66.4 | 0.978 | 38.557 | 47.7 | 159.4 | 0.834D | 76.280A | 0.82 | 0.276 | 166.2 | 101.0 | -82.2 | 0.303 |
| | | 13.66 | 6.62 | 20.28 | ONE | 18.857 | 193.4 | 59.1 | 31.4 | | | | | | | | | | |
| **ARRIVAL DATE = 2448960.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 48960.0 | 0.589 | 230.9 | -16.2 | 1.05 | 1.413 | 111.2 | 0.969 | 27.223 | 316.8 | 520.7 | 0.853 | 53.593A | -0.32 | 0.256 | 165.0 | 107.3 | -81.7 | 0.285 |
| | | 12.93 | 6.31 | 19.24 | TWO | 20.366 | 192.8 | 58.1 | 33.5 | | | | | | | | | | |
| 46060.0 | 48960.0 | 0.526 | 232.3 | -14.2 | 1.80 | 1.414 | 106.6 | 0.968 | 28.189 | 326.2 | 519.9 | 0.902 | 55.476A | -1.10 | 0.258 | 164.7 | 103.4 | -81.6 | 0.286 |
| | | 11.36 | 6.32 | 17.68 | TWO | 20.366 | 192.8 | 58.1 | 33.0 | | | | | | | | | | |
| 46070.0 | 48960.0 | 0.490 | 235.6 | 0.7 | 6.91 | 1.414 | 101.9 | 0.968 | 29.029 | 335.8 | 519.3 | 0.941 | 57.117A | -6.25 | 0.260 | 164.5 | 99.5 | -80.5 | 0.287 |
| | | 10.50 | 6.34 | 16.84 | TWO | 20.366 | 192.8 | 58.1 | 32.7 | | | | | | | | | | |
| 46080.0 | 48960.0 | 0.432 | 222.6 | -28.9 | -3.67 | 1.414 | 97.1 | 0.967 | 29.697 | 345.6 | 518.9 | 0.968 | 58.425A | 4.29 | 0.262 | 164.4 | 100.2 | -83.1 | 0.287 |
| | | 9.16 | 6.34 | 15.50 | ONE | 20.366 | 192.8 | 58.1 | 32.3 | | | | | | | | | | |
| 46090.0 | 48960.0 | 0.403 | 218.7 | -20.6 | -1.47 | 1.414 | 92.2 | 0.967 | 30.154 | 355.5 | 518.7 | 0.983 | 59.325A | 2.05 | 0.263 | 164.3 | 97.9 | -82.6 | 0.287 |
| | | 8.50 | 6.35 | 14.84 | ONE | 20.366 | 192.8 | 58.1 | 32.1 | | | | | | | | | | |
| 46100.0 | 48960.0 | 0.402 | 212.3 | -16.6 | -0.94 | 1.413 | 87.2 | 0.968 | 30.376 | 5.6 | 158.6 | 0.983D | 59.769A | 1.48 | 0.263 | 164.3 | 97.3 | -82.4 | 0.288 |
| | | 8.47 | 6.35 | 14.83 | ONE | 20.366 | 192.8 | 58.1 | 32.0 | | | | | | | | | | |
| 46110.0 | 48960.0 | 0.426 | 206.4 | -13.4 | -0.71 | 1.412 | 82.2 | 0.968 | 30.357 | 15.9 | 158.8 | 0.969D | 59.745A | 1.21 | 0.263 | 164.4 | 97.8 | -82.3 | 0.288 |
| | | 9.02 | 6.36 | 15.38 | ONE | 20.366 | 192.8 | 58.1 | 32.1 | | | | | | | | | | |
| 46120.0 | 48960.0 | 0.474 | 202.2 | -11.1 | -0.58 | 1.410 | 77.0 | 0.969 | 30.110 | 26.4 | 159.2 | 0.939D | 59.281A | 1.04 | 0.263 | 164.7 | 99.3 | -82.3 | 0.288 |
| | | 10.11 | 6.37 | 16.48 | ONE | 20.366 | 192.8 | 58.1 | 32.3 | | | | | | | | | | |
| 46130.0 | 48960.0 | 0.538 | 200.1 | -9.9 | -0.51 | 1.408 | 71.8 | 0.970 | 29.666 | 37.0 | 159.8 | 0.894D | 58.438A | 0.92 | 0.262 | 165.0 | 101.7 | -82.2 | 0.289 |
| | | 11.66 | 6.37 | 18.03 | ONE | 20.366 | 192.8 | 58.1 | 32.6 | | | | | | | | | | |
| 46140.0 | 48960.0 | 0.615 | 200.0 | -9.5 | -0.46 | 1.406 | 66.5 | 0.971 | 29.069 | 47.8 | 160.6 | 0.834D | 57.304A | 0.82 | 0.260 | 165.4 | 105.0 | -82.0 | 0.289 |
| | | 13.58 | 6.38 | 19.96 | ONE | 20.366 | 192.8 | 58.1 | 33.1 | | | | | | | | | | |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2449060.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49060.0 | 0.586 | 230.9 | -16.2 | 1.74 | 1.410 | 111.2 | 0.963 | 22.805 | 316.8 | 521.8 | 0.853 | 44.757A | -0.30 | 0.241 | 164.1 | 111.1 | -81.5 | 0.273 |
| | | 12.86 | 6.11 | 18.97 | TWO | 20.033 | 192.3 | 57.0 | 35.2 | | | | | | | | | | |
| 46060.0 | 49060.0 | 0.523 | 232.3 | -14.4 | 1.71 | 1.411 | 106.5 | 0.961 | 23.426 | 326.2 | 521.1 | 0.902 | 45.950A | -1.02 | 0.244 | 163.8 | 107.2 | -81.5 | 0.273 |
| | | 11.28 | 6.12 | 17.40 | TWO | 20.033 | 192.3 | 57.0 | 34.7 | | | | | | | | | | |
| 46070.0 | 49060.0 | 0.479 | 234.3 | -3.2 | 5.40 | 1.411 | 101.8 | 0.961 | 23.957 | 335.9 | 520.5 | 0.941 | 46.973A | -4.75 | 0.246 | 163.6 | 103.1 | -80.7 | 0.274 |
| | | 10.23 | 6.13 | 16.36 | TWO | 20.033 | 192.3 | 57.0 | 34.3 | | | | | | | | | | |
| 46080.0 | 49060.0 | 0.433 | 221.6 | -31.6 | -4.53 | 1.411 | 97.0 | 0.960 | 24.371 | 345.7 | 520.1 | 0.969 | 47.774A | 5.15 | 0.247 | 163.5 | 105.4 | -83.2 | 0.274 |
| | | 9.17 | 6.14 | 15.31 | ONE | 20.033 | 192.3 | 57.0 | 34.0 | | | | | | | | | | |
| 46090.0 | 49060.0 | 0.400 | 218.4 | -21.1 | -1.62 | 1.411 | 92.1 | 0.960 | 24.649 | 355.6 | 519.9 | 0.983 | 48.315A | 2.20 | 0.248 | 163.4 | 102.2 | -82.5 | 0.275 |
| | | 8.44 | 6.14 | 14.58 | ONE | 20.033 | 192.3 | 57.0 | 33.8 | | | | | | | | | | |
| 46100.0 | 49060.0 | 0.399 | 212.1 | -16.7 | -1.01 | 1.410 | 87.2 | 0.960 | 24.778 | 5.7 | 159.9 | 0.983D | 48.572A | 1.54 | 0.249 | 163.4 | 101.5 | -82.4 | 0.275 |
| | | 8.42 | 6.15 | 14.57 | ONE | 20.033 | 192.3 | 57.0 | 33.7 | | | | | | | | | | |
| 46110.0 | 49060.0 | 0.424 | 206.2 | -13.5 | -0.75 | 1.409 | 82.2 | 0.961 | 24.756 | 16.0 | 160.0 | 0.969D | 48.542A | 1.24 | 0.249 | 163.5 | 101.9 | -82.3 | 0.275 |
| | | 8.97 | 6.15 | 15.12 | ONE | 20.033 | 192.3 | 57.0 | 33.8 | | | | | | | | | | |
| 46120.0 | 49060.0 | 0.471 | 202.0 | -11.2 | -0.61 | 1.407 | 77.0 | 0.962 | 24.590 | 26.5 | 160.4 | 0.939D | 48.242A | 1.06 | 0.248 | 163.8 | 103.4 | -82.2 | 0.276 |
| | | 10.05 | 6.16 | 16.21 | ONE | 20.033 | 192.3 | 57.0 | 34.0 | | | | | | | | | | |
| 46130.0 | 49060.0 | 0.535 | 200.1 | -9.9 | -0.53 | 1.405 | 71.8 | 0.963 | 24.300 | 37.1 | 160.9 | 0.894D | 47.707A | 0.93 | 0.247 | 164.1 | 105.8 | -82.0 | 0.276 |
| | | 11.59 | 6.17 | 17.76 | ONE | 20.033 | 192.3 | 57.0 | 34.3 | | | | | | | | | | |
| 46140.0 | 49060.0 | 0.612 | 199.9 | -9.5 | -0.48 | 1.403 | 66.5 | 0.965 | 23.911 | 47.8 | 161.7 | 0.834D | 46.988A | 0.83 | 0.246 | 164.6 | 109.0 | -81.9 | 0.277 |
| | | 13.50 | 6.18 | 19.67 | ONE | 20.033 | 192.3 | 57.0 | 34.8 | | | | | | | | | | |
| ARRIVAL DATE = 2449160.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49160.0 | 0.584 | 231.0 | -16.3 | 1.02 | 1.408 | 111.1 | 0.957 | 19.952 | 316.7 | 522.9 | 0.853 | 39.051A | -0.29 | 0.228 | 163.2 | 115.0 | -81.2 | 0.261 |
| | | 12.80 | 5.93 | 18.73 | TWO | 18.642 | 191.8 | 55.9 | 37.0 | | | | | | | | | | |
| 46060.0 | 49160.0 | 0.520 | 232.3 | -14.5 | 1.64 | 1.409 | 106.5 | 0.956 | 20.391 | 326.2 | 522.2 | 0.902 | 39.879A | -0.95 | 0.230 | 162.9 | 111.1 | -81.3 | 0.262 |
| | | 11.22 | 5.94 | 17.16 | TWO | 18.642 | 191.8 | 55.9 | 36.4 | | | | | | | | | | |
| 46070.0 | 49160.0 | 0.472 | 233.5 | -5.6 | 4.48 | 1.409 | 101.8 | 0.955 | 20.761 | 335.9 | 521.6 | 0.941 | 40.581A | -3.83 | 0.232 | 162.7 | 106.9 | -80.7 | 0.262 |
| | | 10.08 | 5.95 | 16.03 | TWO | 18.642 | 191.8 | 55.9 | 36.0 | | | | | | | | | | |
| 46080.0 | 49160.0 | 0.437 | 220.2 | -35.6 | -5.84 | 1.409 | 97.0 | 0.954 | 21.047 | 345.7 | 521.3 | 0.969 | 41.124A | 6.45 | 0.234 | 162.5 | 111.5 | -83.4 | 0.263 |
| | | 9.27 | 5.96 | 15.23 | ONE | 18.642 | 191.8 | 55.9 | 35.8 | | | | | | | | | | |
| 46090.0 | 49160.0 | 0.398 | 218.1 | -21.7 | -1.79 | 1.409 | 92.1 | 0.954 | 21.235 | 355.6 | 521.0 | 0.983 | 41.487A | 2.36 | 0.234 | 162.4 | 106.7 | -82.4 | 0.263 |
| | | 8.40 | 5.96 | 14.35 | ONE | 18.642 | 191.8 | 55.9 | 35.5 | | | | | | | | | | |
| 46100.0 | 49160.0 | 0.397 | 211.9 | -17.0 | -1.08 | 1.408 | 87.2 | 0.954 | 21.319 | 5.8 | 161.0 | 0.983D | 41.654A | 1.61 | 0.235 | 162.5 | 105.8 | -82.3 | 0.263 |
| | | 8.37 | 5.96 | 14.33 | ONE | 18.642 | 191.8 | 55.9 | 35.4 | | | | | | | | | | |
| 46110.0 | 49160.0 | 0.422 | 206.1 | -13.6 | -0.79 | 1.407 | 82.2 | 0.955 | 21.297 | 16.0 | 161.2 | 0.969D | 41.626A | 1.28 | 0.235 | 162.6 | 106.2 | -82.1 | 0.264 |
| | | 8.92 | 5.97 | 14.89 | ONE | 18.642 | 191.8 | 55.9 | 35.5 | | | | | | | | | | |
| 46120.0 | 49160.0 | 0.469 | 202.0 | -11.2 | -0.64 | 1.405 | 77.1 | 0.956 | 21.176 | 26.5 | 161.5 | 0.939D | 41.413A | 1.08 | 0.234 | 162.8 | 107.6 | -82.0 | 0.264 |
| | | 9.99 | 5.97 | 15.97 | ONE | 18.642 | 191.8 | 55.9 | 35.7 | | | | | | | | | | |
| 46130.0 | 49160.0 | 0.532 | 200.0 | -9.9 | -0.55 | 1.403 | 71.9 | 0.957 | 20.966 | 37.0 | 162.0 | 0.894D | 41.039A | 0.94 | 0.233 | 163.2 | 110.0 | -81.9 | 0.265 |
| | | 11.52 | 5.98 | 17.50 | ONE | 18.642 | 191.8 | 55.9 | 36.1 | | | | | | | | | | |
| 46140.0 | 49160.0 | 0.608 | 200.0 | -9.6 | -0.50 | 1.401 | 66.6 | 0.960 | 20.686 | 47.7 | 162.8 | 0.835D | 40.537A | 0.84 | 0.232 | 163.6 | 113.1 | -81.7 | 0.265 |
| | | 13.41 | 5.99 | 19.40 | ONE | 18.642 | 191.8 | 55.9 | 36.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449260.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49260.0 | 0.582 | 231.1 | -16.3 | 1.01 | 1.406 | 111.1 | 0.953 | 17.967 | 316.6 | 523.9 | 0.853 | 35.081A | -0.28 | 0.215 | 162.2 | 118.9 | -80.9 | 0.251 |
| | | 12.76 | 5.77 | 18.53 | TWO | 19.380 | 191.3 | 54.8 | 38.8 | | | | | | | | | | |
| 46060.0 | 49260.0 | 0.518 | 232.3 | -14.7 | 1.58 | 1.407 | 106.5 | 0.951 | 18.297 | 326.1 | 523.2 | 0.902 | 35.692A | -0.89 | 0.218 | 161.9 | 115.0 | -81.0 | 0.251 |
| | | 11.18 | 5.78 | 16.96 | TWO | 19.380 | 191.3 | 54.8 | 38.2 | | | | | | | | | | |
| 46070.0 | 49260.0 | 0.468 | 233.1 | -7.4 | 3.86 | 1.407 | 101.8 | 0.949 | 18.573 | 335.8 | 522.7 | 0.941 | 36.205A | -3.21 | 0.219 | 161.7 | 110.9 | -80.6 | 0.252 |
| | | 9.98 | 5.78 | 15.77 | TWO | 19.380 | 191.3 | 54.8 | 37.8 | | | | | | | | | | |
| 46080.0 | 49260.0 | 0.450 | 217.8 | -42.0 | -8.00 | 1.407 | 97.0 | 0.948 | 18.784 | 345.7 | 522.3 | 0.969 | 36.600A | 8.61 | 0.221 | 161.5 | 119.6 | -83.7 | 0.253 |
| | | 9.56 | 5.80 | 15.36 | ONE | 19.380 | 191.3 | 54.8 | 37.6 | | | | | | | | | | |
| 46090.0 | 49260.0 | 0.397 | 217.9 | -22.4 | -1.99 | 1.407 | 92.1 | 0.948 | 18.922 | 355.6 | 522.1 | 0.983 | 36.861A | 2.55 | 0.222 | 161.4 | 111.4 | -82.3 | 0.252 |
| | | 8.36 | 5.79 | 14.15 | ONE | 19.380 | 191.3 | 54.8 | 37.2 | | | | | | | | | | |
| 46100.0 | 49260.0 | 0.395 | 211.8 | -17.3 | -1.16 | 1.406 | 87.2 | 0.948 | 18.981 | 5.7 | 162.1 | 0.983D | 36.978A | 1.68 | 0.222 | 161.5 | 110.3 | -82.1 | 0.253 |
| | | 8.33 | 5.80 | 14.13 | ONE | 19.380 | 191.3 | 54.8 | 37.2 | | | | | | | | | | |
| 46110.0 | 49260.0 | 0.420 | 206.0 | -13.7 | -0.83 | 1.405 | 82.2 | 0.949 | 18.961 | 16.0 | 162.2 | 0.969D | 36.953A | 1.31 | 0.222 | 161.6 | 110.6 | -82.0 | 0.253 |
| | | 8.87 | 5.80 | 14.67 | ONE | 19.380 | 191.3 | 54.8 | 37.2 | | | | | | | | | | |
| 46120.0 | 49260.0 | 0.466 | 202.0 | -11.3 | -0.67 | 1.403 | 77.1 | 0.950 | 18.866 | 26.4 | 162.6 | 0.939D | 36.793A | 1.10 | 0.221 | 161.8 | 112.0 | -81.8 | 0.253 |
| | | 9.93 | 5.81 | 15.74 | ONE | 19.380 | 191.3 | 54.8 | 37.5 | | | | | | | | | | |
| 46130.0 | 49260.0 | 0.530 | 200.1 | -10.0 | -0.57 | 1.401 | 72.0 | 0.952 | 18.705 | 37.0 | 163.1 | 0.895D | 36.516A | 0.96 | 0.220 | 162.2 | 114.2 | -81.6 | 0.254 |
| | | 11.45 | 5.82 | 17.26 | ONE | 19.380 | 191.3 | 54.8 | 37.8 | | | | | | | | | | |
| 46140.0 | 49260.0 | 0.605 | 200.0 | -9.6 | -0.52 | 1.399 | 66.8 | 0.955 | 18.490 | 47.6 | 163.8 | 0.836D | 36.143A | 0.85 | 0.219 | 162.7 | 117.1 | -81.4 | 0.255 |
| | | 13.32 | 5.83 | 19.15 | ONE | 19.380 | 191.3 | 54.8 | 38.3 | | | | | | | | | | |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2449360.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49360.0 | 0.582 | 231.3 | -16.4 | 1.00 | 1.404 | 111.2 | 0.948 | 16.514 | 316.5 | 524.8 | 0.852 | 32.175A | -0.27 | 0.203 | 161.2 | 122.7 | -80.6 | 0.241 |
| | | 12.74 | 5.63 | 18.37 | TWO | 20.606 | 190.9 | 53.7 | 40.6 | | | | | | | | | | |
| 46060.0 | 49360.0 | 0.517 | 232.5 | -14.9 | 1.52 | 1.405 | 106.5 | 0.946 | 16.774 | 326.0 | 524.2 | 0.902 | 32.646A | -0.84 | 0.206 | 160.8 | 119.0 | -80.7 | 0.242 |
| | | 11.15 | 5.64 | 16.78 | TWO | 20.606 | 190.9 | 53.7 | 40.0 | | | | | | | | | | |
| 46070.0 | 49360.0 | 0.465 | 232.9 | -8.6 | 3.41 | 1.405 | 101.8 | 0.945 | 16.990 | 335.7 | 523.7 | 0.941 | 33.039A | -2.77 | 0.207 | 160.6 | 114.9 | -80.5 | 0.242 |
| | | 9.91 | 5.64 | 15.55 | TWO | 20.606 | 190.9 | 53.7 | 39.6 | | | | | | | | | | |
| 46080.0 | 49360.0 | 0.489 | 212.5 | -53.4 | -12.32 | 1.405 | 97.0 | 0.944 | 17.154 | 345.6 | 523.4 | 0.969 | 33.339A | 12.92 | 0.209 | 160.4 | 133.4 | -84.2 | 0.244 |
| | | 10.47 | 5.67 | 16.13 | ONE | 20.606 | 190.9 | 53.7 | 39.7 | | | | | | | | | | |
| 46090.0 | 49360.0 | 0.395 | 217.8 | -23.2 | -2.22 | 1.405 | 92.2 | 0.943 | 17.260 | 355.5 | 523.2 | 0.983 | 33.536A | 2.78 | 0.210 | 160.4 | 116.2 | -82.1 | 0.242 |
| | | 8.34 | 5.65 | 13.98 | ONE | 20.606 | 190.9 | 53.7 | 39.0 | | | | | | | | | | |
| 46100.0 | 49360.0 | 0.393 | 211.9 | -17.6 | -1.24 | 1.404 | 87.3 | 0.943 | 17.304 | 5.7 | 163.1 | 0.983D | 33.624A | 1.76 | 0.210 | 160.4 | 114.8 | -81.9 | 0.243 |
| | | 8.29 | 5.65 | 13.94 | ONE | 20.606 | 190.9 | 53.7 | 38.9 | | | | | | | | | | |
| 46110.0 | 49360.0 | 0.417 | 206.1 | -13.9 | -0.88 | 1.403 | 82.3 | 0.944 | 17.286 | 15.9 | 163.3 | 0.969D | 33.602A | 1.35 | 0.210 | 160.5 | 115.0 | -81.7 | 0.243 |
| | | 8.82 | 5.65 | 14.48 | ONE | 20.606 | 190.9 | 53.7 | 39.0 | | | | | | | | | | |
| 46120.0 | 49360.0 | 0.464 | 202.1 | -11.5 | -0.70 | 1.401 | 77.2 | 0.945 | 17.209 | 26.3 | 163.6 | 0.940D | 33.478A | 1.12 | 0.209 | 160.8 | 116.2 | -81.6 | 0.243 |
| | | 9.87 | 5.66 | 15.53 | ONE | 20.606 | 190.9 | 53.7 | 39.3 | | | | | | | | | | |
| 46130.0 | 49360.0 | 0.526 | 200.2 | -10.1 | -0.60 | 1.399 | 72.1 | 0.948 | 17.079 | 36.8 | 164.1 | 0.896D | 33.263A | 0.97 | 0.208 | 161.1 | 118.3 | -81.4 | 0.244 |
| | | 11.37 | 5.67 | 17.04 | ONE | 20.606 | 190.9 | 53.7 | 39.6 | | | | | | | | | | |
| 46140.0 | 49360.0 | 0.601 | 200.2 | -9.7 | -0.53 | 1.397 | 66.9 | 0.950 | 16.906 | 47.4 | 164.7 | 0.838D | 32.975A | 0.85 | 0.207 | 161.6 | 121.1 | -81.1 | 0.245 |
| | | 13.23 | 5.68 | 18.91 | ONE | 20.606 | 190.9 | 53.7 | 40.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2449460.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49460.0 | 0.581 | 231.5 | -16.4 | 0.99 | 1.403 | 111.2 | 0.945 | 15.410 | 316.2 | 525.8 | 0.851 | 29.968A | -0.26 | 0.192 | 160.1 | 126.4 | -80.1 | 0.233 |
| | | 12.73 | 5.51 | 18.23 | TWO | 19.600 | 190.4 | 52.6 | 42.5 | | | | | | | | | | |
| 46060.0 | 49460.0 | 0.517 | 232.6 | -15.1 | 1.47 | 1.403 | 106.6 | 0.942 | 15.622 | 325.8 | 525.2 | 0.901 | 30.342A | -0.79 | 0.194 | 159.7 | 122.8 | -80.4 | 0.233 |
| | | 11.13 | 5.51 | 16.64 | TWO | 19.600 | 190.4 | 52.6 | 41.9 | | | | | | | | | | |
| 46070.0 | 49460.0 | 0.463 | 232.8 | -9.7 | 3.07 | 1.404 | 101.8 | 0.940 | 15.797 | 335.5 | 524.7 | 0.941 | 30.653A | -2.43 | 0.196 | 159.5 | 118.9 | -80.2 | 0.233 |
| | | 9.87 | 5.51 | 15.38 | TWO | 19.600 | 190.4 | 52.6 | 41.4 | | | | | | | | | | |
| 46090.0 | 49460.0 | 0.395 | 217.7 | -24.2 | -2.50 | 1.403 | 92.2 | 0.939 | 16.014 | 355.4 | 524.2 | 0.983 | 31.045A | 3.05 | 0.198 | 159.3 | 121.0 | -81.9 | 0.233 |
| | | 8.32 | 5.52 | 13.84 | ONE | 19.600 | 190.4 | 52.6 | 40.8 | | | | | | | | | | |
| 46100.0 | 49460.0 | 0.392 | 212.0 | -18.0 | -1.34 | 1.402 | 87.3 | 0.939 | 16.048 | 5.5 | 164.1 | 0.984D | 31.113A | 1.84 | 0.199 | 159.3 | 119.3 | -81.6 | 0.234 |
| | | 8.25 | 5.52 | 13.77 | ONE | 19.600 | 190.4 | 52.6 | 40.8 | | | | | | | | | | |
| 46110.0 | 49460.0 | 0.415 | 206.2 | -14.2 | -0.93 | 1.401 | 82.4 | 0.940 | 16.032 | 15.8 | 164.3 | 0.969D | 31.095A | 1.39 | 0.199 | 159.4 | 119.4 | -81.4 | 0.234 |
| | | 8.77 | 5.52 | 14.30 | ONE | 19.600 | 190.4 | 52.6 | 40.9 | | | | | | | | | | |
| 46120.0 | 49460.0 | 0.461 | 202.2 | -11.7 | -0.73 | 1.399 | 77.3 | 0.941 | 15.968 | 26.1 | 164.5 | 0.940D | 30.995A | 1.15 | 0.198 | 159.7 | 120.5 | -81.3 | 0.234 |
| | | 9.81 | 5.53 | 15.34 | ONE | 19.600 | 190.4 | 52.6 | 41.1 | | | | | | | | | | |
| 46130.0 | 49460.0 | 0.523 | 200.4 | -10.3 | -0.62 | 1.398 | 72.2 | 0.943 | 15.860 | 36.6 | 165.0 | 0.897D | 30.824A | 0.99 | 0.197 | 160.0 | 122.4 | -81.0 | 0.235 |
| | | 11.30 | 5.54 | 16.83 | ONE | 19.600 | 190.4 | 52.6 | 41.5 | | | | | | | | | | |
| 46140.0 | 49460.0 | 0.597 | 200.3 | -9.9 | -0.55 | 1.395 | 67.1 | 0.947 | 15.717 | 47.2 | 165.6 | 0.839D | 30.594A | 0.86 | 0.195 | 160.5 | 125.0 | -80.7 | 0.236 |
| | | 13.14 | 5.55 | 18.68 | ONE | 19.600 | 190.4 | 52.6 | 42.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2449560.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49560.0 | 0.581 | 231.7 | -16.5 | 0.98 | 1.401 | 111.3 | 0.942 | 14.547 | 316.0 | 526.6 | 0.850 | 28.244A | -0.25 | 0.182 | 158.9 | 129.9 | -79.7 | 0.225 |
| | | 12.73 | 5.39 | 18.12 | TWO | 18.655 | 190.0 | 51.5 | 44.4 | | | | | | | | | | |
| 46060.0 | 49560.0 | 0.516 | 232.9 | -15.2 | 1.43 | 1.402 | 106.6 | 0.939 | 14.724 | 325.6 | 526.1 | 0.900 | 28.549A | -0.75 | 0.184 | 158.6 | 126.6 | -79.9 | 0.225 |
| | | 11.13 | 5.39 | 16.52 | TWO | 18.655 | 190.0 | 51.5 | 43.8 | | | | | | | | | | |
| 46070.0 | 49560.0 | 0.462 | 232.9 | -10.5 | 2.80 | 1.402 | 101.9 | 0.937 | 14.871 | 335.3 | 525.6 | 0.940 | 28.802A | -2.17 | 0.186 | 158.3 | 122.8 | -79.9 | 0.225 |
| | | 9.84 | 5.39 | 15.24 | TWO | 18.655 | 190.0 | 51.5 | 43.3 | | | | | | | | | | |
| 46090.0 | 49560.0 | 0.395 | 217.6 | -25.5 | -2.84 | 1.402 | 92.3 | 0.935 | 15.051 | 355.2 | 525.1 | 0.983 | 29.119A | 3.38 | 0.188 | 158.1 | 125.8 | -81.6 | 0.225 |
| | | 8.32 | 5.40 | 13.72 | ONE | 18.655 | 190.0 | 51.5 | 42.7 | | | | | | | | | | |
| 46100.0 | 49560.0 | 0.390 | 212.1 | -18.5 | -1.44 | 1.401 | 87.4 | 0.935 | 15.079 | 5.3 | 165.1 | 0.984D | 29.173A | 1.94 | 0.188 | 158.1 | 123.7 | -81.3 | 0.225 |
| | | 8.22 | 5.40 | 13.62 | ONE | 18.655 | 190.0 | 51.5 | 42.8 | | | | | | | | | | |
| 46110.0 | 49560.0 | 0.413 | 206.4 | -14.5 | -0.99 | 1.400 | 82.5 | 0.936 | 15.064 | 15.6 | 165.2 | 0.970D | 29.158A | 1.44 | 0.188 | 158.2 | 123.6 | -81.1 | 0.225 |
| | | 8.73 | 5.41 | 14.13 | ONE | 18.655 | 190.0 | 51.5 | 42.7 | | | | | | | | | | |
| 46120.0 | 49560.0 | 0.458 | 202.4 | -11.9 | -0.77 | 1.398 | 77.5 | 0.937 | 15.009 | 25.9 | 165.5 | 0.941D | 29.077A | 1.17 | 0.187 | 158.5 | 124.5 | -80.9 | 0.226 |
| | | 9.75 | 5.41 | 15.16 | ONE | 18.655 | 190.0 | 51.5 | 42.9 | | | | | | | | | | |
| 46130.0 | 49560.0 | 0.520 | 200.6 | -10.4 | -0.65 | 1.396 | 72.4 | 0.940 | 14.918 | 36.4 | 165.9 | 0.898D | 28.938A | 1.00 | 0.186 | 158.9 | 126.3 | -80.6 | 0.227 |
| | | 11.22 | 5.42 | 16.64 | ONE | 18.655 | 190.0 | 51.5 | 43.3 | | | | | | | | | | |
| 46140.0 | 49560.0 | 0.594 | 200.5 | -10.0 | -0.57 | 1.394 | 67.3 | 0.943 | 14.796 | 47.0 | 166.4 | 0.841D | 28.750A | 0.87 | 0.185 | 159.4 | 128.6 | -80.3 | 0.227 |
| | | 13.04 | 5.43 | 18.47 | ONE | 18.655 | 190.0 | 51.5 | 43.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2449660.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49660.0 | 0.582 | 232.0 | -16.6 | 0.97 | 1.400 | 111.4 | 0.939 | 13.859 | 315.7 | 527.5 | 0.849 | 26.868A | -0.24 | 0.172 | 157.7 | 133.3 | -79.1 | 0.217 |
| | | 12.74 | 5.29 | 18.04 | TWO | 19.957 | 189.6 | 50.4 | 46.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 49660.0 | 0.517 | 233.1 | -15.4 | 1.39 | 1.401 | 106.7 | 0.936 | 14.010 | 325.4 | 526.9 | 0.899 | 27.121A | -0.71 | 0.174 | 157.3 | 130.1 | -79.5 | 0.217 |
| | | 11.13 | 5.29 | 16.43 | TWO | 19.957 | 189.6 | 50.4 | 45.7 | | | | | | | | | | |
| 46070.0 | 49660.0 | 0.462 | 233.0 | -11.2 | 2.59 | 1.401 | 102.0 | 0.934 | 14.135 | 335.1 | 526.5 | 0.939 | 27.331A | -1.96 | 0.176 | 157.1 | 126.5 | -79.5 | 0.217 |
| | | 9.83 | 5.29 | 15.12 | TWO | 19.957 | 189.6 | 50.4 | 45.2 | | | | | | | | | | |
| 46080.0 | 49660.0 | 0.638 | 250.9 | 39.0 | 23.54 | 1.401 | 97.3 | 0.932 | 14.229 | 344.9 | 526.2 | 0.967 | 27.490A | -22.95 | 0.177 | 156.9 | 114.9 | -73.6 | 0.223 |
| | | 14.18 | 5.37 | 19.54 | TWO | 19.957 | 189.6 | 50.4 | 46.2 | | | | | | | | | | |
| 46090.0 | 49660.0 | 0.395 | 217.5 | -27.0 | -3.26 | 1.401 | 92.4 | 0.931 | 14.288 | 355.0 | 526.0 | 0.983 | 27.593A | 3.80 | 0.178 | 156.8 | 130.6 | -81.3 | 0.217 |
| | | 8.33 | 5.29 | 13.62 | ONE | 19.957 | 189.6 | 50.4 | 44.6 | | | | | | | | | | |
| 46100.0 | 49660.0 | 0.389 | 212.4 | -19.0 | -1.55 | 1.400 | 87.5 | 0.931 | 14.311 | 5.1 | 166.0 | 0.984D | 27.638A | 2.05 | 0.178 | 156.9 | 127.9 | -80.9 | 0.217 |
| | | 8.19 | 5.30 | 13.49 | ONE | 19.957 | 189.6 | 50.4 | 44.5 | | | | | | | | | | |
| 46110.0 | 49660.0 | 0.411 | 206.7 | -14.8 | -1.04 | 1.398 | 82.6 | 0.932 | 14.298 | 15.4 | 166.1 | 0.970D | 27.626A | 1.49 | 0.178 | 157.0 | 127.6 | -80.7 | 0.218 |
| | | 8.68 | 5.30 | 13.98 | ONE | 19.957 | 189.6 | 50.4 | 44.6 | | | | | | | | | | |
| 46120.0 | 49660.0 | 0.456 | 202.7 | -12.1 | -0.80 | 1.397 | 77.6 | 0.934 | 14.251 | 25.7 | 166.3 | 0.942D | 27.559A | 1.20 | 0.177 | 157.3 | 128.4 | -80.5 | 0.218 |
| | | 9.69 | 5.31 | 15.00 | ONE | 19.957 | 189.6 | 50.4 | 44.8 | | | | | | | | | | |
| 46130.0 | 49660.0 | 0.517 | 200.8 | -10.6 | -0.67 | 1.395 | 72.6 | 0.937 | 14.172 | 36.1 | 166.7 | 0.900D | 27.443A | 1.02 | 0.176 | 157.6 | 129.9 | -80.2 | 0.219 |
| | | 11.14 | 5.32 | 16.45 | ONE | 19.957 | 189.6 | 50.4 | 45.2 | | | | | | | | | | |
| 46140.0 | 49660.0 | 0.590 | 200.8 | -10.1 | -0.59 | 1.393 | 67.4 | 0.940 | 14.066 | 46.6 | 167.2 | 0.844D | 27.288A | 0.88 | 0.175 | 158.2 | 132.0 | -79.8 | 0.220 |
| | | 12.94 | 5.33 | 18.27 | ONE | 19.957 | 189.6 | 50.4 | 45.7 | | | | | | | | | | |
| ARRIVAL DATE = 2449760.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49760.0 | 0.583 | 232.3 | -16.7 | 0.96 | 1.399 | 111.5 | 0.936 | 13.299 | 315.4 | 528.3 | 0.847 | 25.751A | -0.24 | 0.162 | 156.4 | 136.4 | -78.6 | 0.211 |
| | | 12.77 | 5.20 | 17.98 | TWO | 20.583 | 189.3 | 49.3 | 48.3 | | | | | | | | | | |
| 46060.0 | 49760.0 | 0.517 | 233.4 | -15.6 | 1.35 | 1.400 | 106.8 | 0.933 | 13.431 | 325.1 | 527.7 | 0.898 | 25.964A | -0.68 | 0.165 | 156.0 | 133.4 | -78.9 | 0.210 |
| | | 11.15 | 5.20 | 16.35 | TWO | 20.583 | 189.3 | 49.3 | 47.6 | | | | | | | | | | |
| 46070.0 | 49760.0 | 0.462 | 233.2 | -11.8 | 2.41 | 1.400 | 102.1 | 0.931 | 13.540 | 334.8 | 527.3 | 0.938 | 26.141A | -1.79 | 0.167 | 155.8 | 130.1 | -79.0 | 0.210 |
| | | 9.83 | 5.20 | 15.03 | TWO | 20.583 | 189.3 | 49.3 | 47.1 | | | | | | | | | | |
| 46080.0 | 49760.0 | 0.493 | 239.8 | 19.3 | 12.86 | 1.400 | 97.4 | 0.929 | 13.621 | 344.7 | 527.0 | 0.967 | 26.275A | -12.28 | 0.168 | 155.6 | 120.6 | -76.2 | 0.212 |
| | | 10.56 | 5.22 | 15.78 | TWO | 20.583 | 189.3 | 49.3 | 47.1 | | | | | | | | | | |
| 46090.0 | 49760.0 | 0.396 | 217.3 | -29.0 | -3.79 | 1.399 | 92.5 | 0.928 | 13.672 | 354.8 | 526.8 | 0.982 | 26.362A | 4.33 | 0.169 | 155.5 | 135.3 | -80.9 | 0.210 |
| | | 8.36 | 5.20 | 13.56 | ONE | 20.583 | 189.3 | 49.3 | 46.5 | | | | | | | | | | |
| 46100.0 | 49760.0 | 0.388 | 212.6 | -19.6 | -1.68 | 1.399 | 87.7 | 0.928 | 13.692 | 4.9 | 166.8 | 0.984D | 26.400A | 2.17 | 0.169 | 155.5 | 131.9 | -80.4 | 0.210 |
| | | 8.17 | 5.20 | 13.37 | ONE | 20.583 | 189.3 | 49.3 | 46.4 | | | | | | | | | | |
| 46110.0 | 49760.0 | 0.409 | 207.0 | -15.2 | -1.10 | 1.397 | 82.7 | 0.929 | 13.681 | 15.1 | 166.9 | 0.971D | 26.390A | 1.54 | 0.169 | 155.7 | 131.4 | -80.2 | 0.211 |
| | | 8.64 | 5.21 | 13.84 | ONE | 20.583 | 189.3 | 49.3 | 46.5 | | | | | | | | | | |
| 46120.0 | 49760.0 | 0.453 | 203.0 | -12.4 | -0.84 | 1.396 | 77.8 | 0.931 | 13.639 | 25.4 | 167.1 | 0.943D | 26.334A | 1.23 | 0.168 | 155.9 | 132.0 | -80.0 | 0.211 |
| | | 9.63 | 5.21 | 14.84 | ONE | 20.583 | 189.3 | 49.3 | 46.7 | | | | | | | | | | |
| 46130.0 | 49760.0 | 0.513 | 201.1 | -10.8 | -0.70 | 1.394 | 72.7 | 0.934 | 13.569 | 35.8 | 167.5 | 0.901D | 26.237A | 1.04 | 0.167 | 156.3 | 133.4 | -79.7 | 0.212 |
| | | 11.06 | 5.22 | 16.28 | ONE | 20.583 | 189.3 | 49.3 | 47.1 | | | | | | | | | | |
| 46140.0 | 49760.0 | 0.586 | 201.0 | -10.3 | -0.61 | 1.392 | 67.6 | 0.937 | 13.476 | 46.3 | 168.0 | 0.846D | 26.107A | 0.89 | 0.165 | 156.9 | 135.2 | -79.3 | 0.213 |
| | | 12.84 | 5.23 | 18.08 | ONE | 20.583 | 189.3 | 49.3 | 47.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449860.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49860.0 | 0.584 | 232.6 | -16.8 | 0.95 | 1.398 | 111.7 | 0.934 | 12.839 | 315.0 | 529.0 | 0.845 | 24.832A | -0.23 | 0.154 | 155.0 | 139.2 | -77.9 | 0.204 |
| | | 12.81 | 5.12 | 17.93 | TWO | 19.169 | 188.9 | 48.3 | 50.2 | | | | | | | | | | |
| 46060.0 | 49860.0 | 0.518 | 233.8 | -15.8 | 1.32 | 1.399 | 107.0 | 0.931 | 12.955 | 324.7 | 528.5 | 0.896 | 25.014A | -0.65 | 0.156 | 154.6 | 136.5 | -78.3 | 0.204 |
| | | 11.18 | 5.12 | 16.30 | TWO | 19.169 | 188.9 | 48.3 | 49.6 | | | | | | | | | | |
| 46070.0 | 49860.0 | 0.462 | 233.5 | -12.3 | 2.27 | 1.399 | 102.3 | 0.928 | 13.051 | 334.5 | 528.1 | 0.937 | 25.165A | -1.64 | 0.158 | 154.4 | 133.4 | -78.5 | 0.204 |
| | | 9.84 | 5.12 | 14.95 | TWO | 19.169 | 188.9 | 48.3 | 49.0 | | | | | | | | | | |
| 46080.0 | 49860.0 | 0.454 | 236.4 | 9.2 | 8.92 | 1.399 | 97.5 | 0.926 | 13.123 | 344.4 | 527.8 | 0.966 | 25.279A | -8.34 | 0.159 | 154.2 | 125.7 | -76.9 | 0.204 |
| | | 9.65 | 5.13 | 14.77 | TWO | 19.169 | 188.9 | 48.3 | 48.8 | | | | | | | | | | |
| 46090.0 | 49860.0 | 0.399 | 216.9 | -31.5 | -4.50 | 1.398 | 92.7 | 0.925 | 13.168 | 354.5 | 527.7 | 0.982 | 25.353A | 5.03 | 0.160 | 154.1 | 140.1 | -80.5 | 0.204 |
| | | 8.41 | 5.12 | 13.53 | ONE | 19.169 | 188.9 | 48.3 | 48.5 | | | | | | | | | | |
| 46100.0 | 49860.0 | 0.387 | 213.0 | -20.3 | -1.83 | 1.398 | 87.8 | 0.925 | 13.185 | 4.6 | 167.6 | 0.984D | 25.386A | 2.31 | 0.160 | 154.1 | 135.6 | -79.9 | 0.204 |
| | | 8.15 | 5.12 | 13.26 | ONE | 19.169 | 188.9 | 48.3 | 48.3 | | | | | | | | | | |
| 46110.0 | 49860.0 | 0.407 | 207.4 | -15.6 | -1.17 | 1.396 | 82.9 | 0.926 | 13.175 | 14.8 | 167.7 | 0.972D | 25.378A | 1.60 | 0.160 | 154.3 | 134.9 | -79.7 | 0.204 |
| | | 8.59 | 5.12 | 13.71 | ONE | 19.169 | 188.9 | 48.3 | 48.4 | | | | | | | | | | |
| 46120.0 | 49860.0 | 0.450 | 203.4 | -12.6 | -0.88 | 1.395 | 77.9 | 0.928 | 13.138 | 25.1 | 167.9 | 0.945D | 25.331A | 1.26 | 0.159 | 154.5 | 135.4 | -79.4 | 0.205 |
| | | 9.56 | 5.13 | 14.69 | ONE | 19.169 | 188.9 | 48.3 | 48.6 | | | | | | | | | | |
| 46130.0 | 49860.0 | 0.510 | 201.4 | -11.0 | -0.73 | 1.393 | 72.9 | 0.931 | 13.076 | 35.5 | 168.3 | 0.903D | 25.249A | 1.05 | 0.158 | 154.9 | 136.5 | -79.1 | 0.205 |
| | | 10.97 | 5.14 | 16.11 | ONE | 19.169 | 188.9 | 48.3 | 49.0 | | | | | | | | | | |
| 46140.0 | 49860.0 | 0.582 | 201.3 | -10.5 | -0.63 | 1.391 | 67.9 | 0.935 | 12.994 | 45.9 | 168.7 | 0.848D | 25.139A | 0.90 | 0.157 | 155.5 | 138.2 | -78.7 | 0.206 |
| | | 12.74 | 5.15 | 17.89 | ONE | 19.169 | 188.9 | 48.3 | 49.5 | | | | | | | | | | |
| ARRIVAL DATE = 2449960.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 49960.0 | 0.586 | 232.9 | -16.9 | 0.95 | 1.397 | 111.8 | 0.932 | 12.455 | 314.7 | 529.7 | 0.843 | 24.068A | -0.22 | 0.145 | 153.6 | 141.9 | -77.2 | 0.199 |
| | | 12.85 | 5.05 | 17.91 | TWO | 18.929 | 188.6 | 47.2 | 52.2 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED | R A | DECL | I 1 | V 1 | PSI 1 | ECCEN | SMA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DV1 | DV2 | DVT | LEG | CDIST | RAS | DECLS | LAMDA | | | | | | | | | | |
| 46060.0 | 49960.0 | 0.520 | 234.2 | -16.0 | 1.29 | 1.398 | 107.1 | 0.929 | 12.560 | 324.4 | 529.3 | 0.895 | 24.224A | -0.62 | 0.148 | 153.2 | 139.3 | -77.7 | 0.198 |
| | | 11.71 | 5.05 | 16.26 | TWO | 18.929 | 188.6 | 47.2 | 51.5 | | | | | | | | | | |
| 46070.0 | 49960.0 | 0.463 | 233.9 | -12.8 | 2.14 | 1.398 | 102.4 | 0.926 | 12.645 | 334.2 | 528.9 | 0.936 | 24.354A | -1.52 | 0.149 | 152.9 | 136.4 | -77.9 | 0.198 |
| | | 9.85 | 5.04 | 14.90 | TWO | 18.929 | 188.6 | 47.2 | 51.0 | | | | | | | | | | |
| 46080.0 | 49960.0 | 0.439 | 235.0 | 3.3 | 6.88 | 1.398 | 97.7 | 0.924 | 12.709 | 344.1 | 528.6 | 0.965 | 24.453A | -6.31 | 0.151 | 152.7 | 130.1 | -76.9 | 0.198 |
| | | 9.30 | 5.05 | 14.35 | TWO | 18.929 | 188.6 | 47.2 | 50.7 | | | | | | | | | | |
| 46090.0 | 49960.0 | 0.404 | 216.3 | -34.8 | -5.48 | 1.398 | 92.8 | 0.923 | 12.750 | 354.1 | 528.4 | 0.982 | 24.517A | 6.00 | 0.152 | 152.6 | 145.0 | -80.0 | 0.198 |
| | | 8.52 | 5.05 | 13.57 | ONE | 18.929 | 188.6 | 47.2 | 50.4 | | | | | | | | | | |
| 46100.0 | 49960.0 | 0.386 | 213.3 | -21.1 | -1.99 | 1.397 | 88.0 | 0.923 | 12.765 | 4.2 | 168.4 | 0.984D | 24.546A | 2.47 | 0.152 | 152.7 | 139.1 | -79.4 | 0.198 |
| | | 8.13 | 5.04 | 13.17 | ONE | 18.929 | 188.6 | 47.2 | 50.3 | | | | | | | | | | |
| 46110.0 | 49960.0 | 0.405 | 207.9 | -16.0 | -1.24 | 1.395 | 83.1 | 0.924 | 12.756 | 14.4 | 168.5 | 0.973D | 24.540A | 1.67 | 0.152 | 152.8 | 138.2 | -79.1 | 0.198 |
| | | 8.55 | 5.05 | 13.60 | ONE | 18.929 | 188.6 | 47.2 | 50.3 | | | | | | | | | | |
| 46120.0 | 49960.0 | 0.447 | 203.8 | -12.9 | -0.92 | 1.394 | 78.1 | 0.926 | 12.723 | 24.7 | 168.7 | 0.946D | 24.500A | 1.30 | 0.151 | 153.1 | 138.5 | -78.9 | 0.199 |
| | | 9.50 | 5.05 | 14.55 | ONE | 18.929 | 188.6 | 47.2 | 50.6 | | | | | | | | | | |
| 46130.0 | 49960.0 | 0.507 | 201.8 | -11.3 | -0.75 | 1.392 | 73.1 | 0.929 | 12.668 | 35.1 | 169.0 | 0.905D | 24.430A | 1.07 | 0.150 | 153.5 | 139.5 | -78.5 | 0.199 |
| | | 10.89 | 5.06 | 15.95 | ONE | 18.929 | 188.6 | 47.2 | 50.9 | | | | | | | | | | |
| 46140.0 | 49960.0 | 0.577 | 201.7 | -10.7 | -0.65 | 1.390 | 68.1 | 0.932 | 12.593 | 45.5 | 169.4 | 0.851D | 24.336A | 0.92 | 0.148 | 154.0 | 140.9 | -78.1 | 0.201 |
| | | 12.63 | 5.08 | 17.71 | ONE | 18.929 | 188.6 | 47.2 | 51.5 | | | | | | | | | | |

ARRIVAL DATE = 2450060.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46050.0 | 50060.0 | 0.588 | 233.3 | -17.1 | 0.94 | 1.396 | 112.0 | 0.931 | 12.133 | 314.2 | 530.4 | 0.841 | 23.426A | -0.22 | 0.138 | 152.0 | 144.3 | -76.5 | 0.194 |
| | | 12.91 | 4.99 | 17.90 | TWO | 20.451 | 188.3 | 46.1 | 54.2 | | | | | | | | | | |
| 46060.0 | 50060.0 | 0.521 | 234.6 | -16.1 | 1.26 | 1.397 | 107.3 | 0.927 | 12.228 | 324.0 | 530.0 | 0.893 | 23.562A | -0.60 | 0.140 | 151.6 | 141.9 | -77.0 | 0.193 |
| | | 11.25 | 4.98 | 16.23 | TWO | 20.451 | 188.3 | 46.1 | 53.5 | | | | | | | | | | |
| 46070.0 | 50060.0 | 0.464 | 234.3 | -13.2 | 2.03 | 1.397 | 102.6 | 0.924 | 12.305 | 333.8 | 529.6 | 0.935 | 23.675A | -1.42 | 0.142 | 151.3 | 139.3 | -77.3 | 0.193 |
| | | 9.88 | 4.98 | 14.86 | TWO | 20.451 | 188.3 | 46.1 | 53.0 | | | | | | | | | | |
| 46080.0 | 50060.0 | 0.432 | 234.4 | -0.5 | 5.64 | 1.397 | 97.8 | 0.922 | 12.363 | 343.7 | 529.3 | 0.965 | 23.761A | -5.08 | 0.143 | 151.2 | 133.9 | -76.6 | 0.193 |
| | | 9.14 | 4.98 | 14.12 | TWO | 20.451 | 188.3 | 46.1 | 52.6 | | | | | | | | | | |
| 46090.0 | 50060.0 | 0.413 | 215.0 | -39.5 | -6.93 | 1.397 | 93.0 | 0.921 | 12.399 | 353.8 | 529.2 | 0.982 | 23.817A | 7.44 | 0.144 | 151.1 | 150.5 | -79.6 | 0.193 |
| | | 8.73 | 4.98 | 13.71 | ONE | 20.451 | 188.3 | 46.1 | 52.4 | | | | | | | | | | |
| 46100.0 | 50060.0 | 0.385 | 213.7 | -21.9 | -2.18 | 1.396 | 88.2 | 0.921 | 12.414 | 3.9 | 169.1 | 0.985D | 23.843A | 2.65 | 0.144 | 151.1 | 142.3 | -78.8 | 0.192 |
| | | 8.12 | 4.98 | 13.09 | ONE | 20.451 | 188.3 | 46.1 | 52.2 | | | | | | | | | | |
| 46110.0 | 50060.0 | 0.403 | 208.3 | -16.5 | -1.32 | 1.395 | 83.3 | 0.922 | 12.406 | 14.0 | 169.2 | 0.973D | 23.838A | 1.74 | 0.144 | 151.2 | 141.2 | -78.5 | 0.193 |
| | | 8.51 | 4.98 | 13.49 | ONE | 20.451 | 188.3 | 46.1 | 52.3 | | | | | | | | | | |
| 46120.0 | 50060.0 | 0.445 | 204.2 | -13.3 | -0.97 | 1.393 | 78.3 | 0.923 | 12.376 | 24.3 | 169.4 | 0.947D | 23.804A | 1.33 | 0.143 | 151.5 | 141.3 | -78.2 | 0.193 |
| | | 9.43 | 4.99 | 14.42 | ONE | 20.451 | 188.3 | 46.1 | 52.5 | | | | | | | | | | |
| 46130.0 | 50060.0 | 0.503 | 202.2 | -11.5 | -0.78 | 1.391 | 73.4 | 0.926 | 12.326 | 34.7 | 169.7 | 0.907D | 23.745A | 1.09 | 0.142 | 151.9 | 142.1 | -77.9 | 0.194 |
| | | 10.80 | 5.00 | 15.80 | ONE | 20.451 | 188.3 | 46.1 | 52.9 | | | | | | | | | | |
| 46140.0 | 50060.0 | 0.573 | 202.0 | -10.9 | -0.68 | 1.389 | 68.3 | 0.930 | 12.259 | 45.1 | 170.1 | 0.854D | 23.663A | 0.93 | 0.141 | 152.4 | 143.4 | -77.4 | 0.195 |
| | | 12.53 | 5.01 | 17.54 | ONE | 20.451 | 188.3 | 46.1 | 53.4 | | | | | | | | | | |

ARRIVAL DATE = 2450160.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46050.0 | 50160.0 | 0.591 | 233.7 | -17.2 | 0.93 | 1.396 | 112.2 | 0.929 | 11.861 | 313.8 | 531.1 | 0.838 | 22.884A | -0.21 | 0.130 | 150.4 | 146.4 | -75.8 | 0.189 |
| | | 12.97 | 4.93 | 17.91 | TWO | 20.319 | 188.0 | 45.0 | 56.2 | | | | | | | | | | |
| 46060.0 | 50160.0 | 0.524 | 235.0 | -16.3 | 1.24 | 1.396 | 107.5 | 0.925 | 11.947 | 323.5 | 530.6 | 0.891 | 23.003A | -0.57 | 0.133 | 150.0 | 144.3 | -76.3 | 0.188 |
| | | 11.30 | 4.93 | 16.23 | TWO | 20.319 | 188.0 | 45.0 | 55.5 | | | | | | | | | | |
| 46070.0 | 50160.0 | 0.465 | 234.7 | -13.7 | 1.94 | 1.397 | 102.8 | 0.922 | 12.017 | 333.4 | 530.3 | 0.933 | 23.101A | -1.33 | 0.134 | 149.7 | 141.8 | -76.6 | 0.188 |
| | | 9.91 | 4.92 | 14.83 | TWO | 20.319 | 188.0 | 45.0 | 54.9 | | | | | | | | | | |
| 46080.0 | 50160.0 | 0.428 | 234.2 | -3.2 | 4.81 | 1.397 | 98.0 | 0.920 | 12.070 | 343.3 | 530.0 | 0.964 | 23.177A | -4.25 | 0.136 | 149.5 | 137.3 | -76.2 | 0.188 |
| | | 9.06 | 4.92 | 13.98 | TWO | 20.319 | 188.0 | 45.0 | 54.6 | | | | | | | | | | |
| 46090.0 | 50160.0 | 0.432 | 212.4 | -46.5 | -9.27 | 1.396 | 93.2 | 0.919 | 12.104 | 353.4 | 529.9 | 0.981 | 23.226A | 9.79 | 0.137 | 149.4 | 157.2 | -79.2 | 0.189 |
| | | 9.16 | 4.93 | 14.09 | ONE | 20.319 | 188.0 | 45.0 | 54.5 | | | | | | | | | | |
| 46100.0 | 50160.0 | 0.385 | 214.1 | -22.9 | -2.40 | 1.395 | 88.3 | 0.919 | 12.117 | 3.5 | 169.8 | 0.985D | 23.249A | 2.86 | 0.137 | 149.4 | 145.3 | -78.2 | 0.188 |
| | | 8.11 | 4.92 | 13.02 | ONE | 20.319 | 188.0 | 45.0 | 54.2 | | | | | | | | | | |
| 46110.0 | 50160.0 | 0.401 | 208.9 | -17.0 | -1.40 | 1.394 | 83.5 | 0.920 | 12.110 | 13.6 | 169.9 | 0.974D | 23.246A | 1.81 | 0.137 | 149.6 | 143.9 | -77.9 | 0.188 |
| | | 8.47 | 4.92 | 13.39 | ONE | 20.319 | 188.0 | 45.0 | 54.2 | | | | | | | | | | |
| 46120.0 | 50160.0 | 0.442 | 204.7 | -13.6 | -1.01 | 1.392 | 78.5 | 0.921 | 12.083 | 23.9 | 170.1 | 0.949D | 23.217A | 1.37 | 0.136 | 149.8 | 143.9 | -77.6 | 0.188 |
| | | 9.37 | 4.93 | 14.30 | ONE | 20.319 | 188.0 | 45.0 | 54.4 | | | | | | | | | | |
| 46130.0 | 50160.0 | 0.499 | 202.6 | -11.8 | -0.81 | 1.390 | 73.6 | 0.924 | 12.038 | 34.2 | 170.3 | 0.910D | 23.166A | 1.12 | 0.135 | 150.2 | 144.6 | -77.2 | 0.189 |
| | | 10.72 | 4.94 | 15.65 | ONE | 20.319 | 188.0 | 45.0 | 54.8 | | | | | | | | | | |
| 46140.0 | 50160.0 | 0.569 | 202.4 | -11.1 | -0.70 | 1.388 | 68.6 | 0.928 | 11.976 | 44.6 | 170.7 | 0.857D | 23.095A | 0.94 | 0.133 | 150.8 | 145.6 | -76.8 | 0.190 |
| | | 12.42 | 4.95 | 17.37 | ONE | 20.319 | 188.0 | 45.0 | 55.3 | | | | | | | | | | |
| 46150.0 | 50160.0 | 0.647 | 203.7 | -11.2 | -0.63 | 1.386 | 63.5 | 0.933 | 11.901 | 55.0 | 171.2 | 0.792D | 23.010A | 0.81 | 0.131 | 151.5 | 147.0 | -76.2 | 0.192 |
| | | 14.40 | 4.97 | 19.37 | ONE | 20.319 | 188.0 | 45.0 | 56.0 | | | | | | | | | | |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2450260.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50260.0 | 0.594 | 234.1 | -17.3 | 0.92 | 1.395 | 112.4 | 0.928 | 11.629 | 313.3 | 531.7 | 0.835 | 22.423A | -0.21 | 0.123 | 148.6 | 148.4 | -75.1 | 0.185 |
| | | 13.04 | 4.88 | 17.93 | TWO | 18.870 | 187.7 | 43.9 | 58.2 | | | | | | | | | | |
| 46060.0 | 50260.0 | 0.526 | 235.5 | -16.5 | 1.21 | 1.396 | 107.7 | 0.924 | 11.708 | 323.1 | 531.3 | 0.889 | 22.527A | -0.55 | 0.126 | 148.2 | 146.4 | -75.6 | 0.184 |
| | | 11.36 | 4.87 | 16.23 | TWO | 18.870 | 187.7 | 43.9 | 57.5 | | | | | | | | | | |
| 46070.0 | 50260.0 | 0.467 | 235.2 | -14.0 | 1.86 | 1.396 | 103.0 | 0.921 | 11.773 | 332.9 | 531.0 | 0.932 | 22.614A | -1.25 | 0.128 | 147.9 | 144.2 | -75.9 | 0.183 |
| | | 9.95 | 4.87 | 14.82 | TWO | 18.870 | 187.7 | 43.9 | 56.9 | | | | | | | | | | |
| 46080.0 | 50260.0 | 0.427 | 234.3 | -5.2 | 4.21 | 1.396 | 98.2 | 0.919 | 11.822 | 342.9 | 530.7 | 0.963 | 22.681A | -3.65 | 0.129 | 147.8 | 140.2 | -75.7 | 0.183 |
| | | 9.03 | 4.87 | 13.89 | TWO | 18.870 | 187.7 | 43.9 | 56.5 | | | | | | | | | | |
| 46090.0 | 50260.0 | 0.481 | 205.4 | -58.0 | -13.72 | 1.395 | 93.4 | 0.917 | 11.853 | 353.0 | 530.6 | 0.981 | 22.725A | 14.23 | 0.130 | 147.7 | 167.3 | -78.7 | 0.185 |
| | | 10.27 | 4.89 | 15.16 | ONE | 18.870 | 187.7 | 43.9 | 56.8 | | | | | | | | | | |
| 46100.0 | 50260.0 | 0.385 | 214.6 | -24.0 | -2.65 | 1.395 | 88.5 | 0.917 | 11.865 | 3.0 | 170.5 | 0.985D | 22.746A | 3.10 | 0.130 | 147.7 | 148.1 | -77.5 | 0.183 |
| | | 8.10 | 4.86 | 12.97 | ONE | 18.870 | 187.7 | 43.9 | 56.2 | | | | | | | | | | |
| 46110.0 | 50260.0 | 0.400 | 209.4 | -17.5 | -1.49 | 1.393 | 83.7 | 0.918 | 11.859 | 13.2 | 170.6 | 0.975D | 22.743A | 1.89 | 0.130 | 147.8 | 146.4 | -77.2 | 0.183 |
| | | 8.43 | 4.87 | 13.29 | ONE | 18.870 | 187.7 | 43.9 | 56.2 | | | | | | | | | | |
| 46120.0 | 50260.0 | 0.439 | 205.2 | -14.0 | -1.06 | 1.392 | 78.8 | 0.920 | 11.835 | 23.4 | 170.7 | 0.950D | 22.719A | 1.41 | 0.129 | 148.1 | 146.3 | -76.9 | 0.184 |
| | | 9.30 | 4.87 | 14.14 | ONE | 18.870 | 187.7 | 43.9 | 56.4 | | | | | | | | | | |
| 46130.0 | 50260.0 | 0.496 | 203.1 | -12.1 | -0.85 | 1.390 | 73.8 | 0.923 | 11.793 | 33.7 | 171.0 | 0.912D | 22.674A | 1.14 | 0.128 | 148.5 | 146.8 | -76.6 | 0.185 |
| | | 10.63 | 4.88 | 15.51 | ONE | 18.870 | 187.7 | 43.9 | 56.8 | | | | | | | | | | |
| 46140.0 | 50260.0 | 0.565 | 202.8 | -11.3 | -0.72 | 1.388 | 68.8 | 0.927 | 11.737 | 44.1 | 171.3 | 0.860D | 22.613A | 0.95 | 0.127 | 149.0 | 147.7 | -76.1 | 0.186 |
| | | 12.31 | 4.90 | 17.21 | ONE | 18.870 | 187.7 | 43.9 | 57.3 | | | | | | | | | | |
| 46150.0 | 50260.0 | 0.642 | 204.1 | -11.4 | -0.65 | 1.385 | 63.8 | 0.932 | 11.668 | 54.5 | 171.8 | 0.796D | 22.539A | 0.81 | 0.125 | 149.7 | 148.9 | -75.5 | 0.187 |
| | | 14.27 | 4.91 | 19.18 | ONE | 18.870 | 187.7 | 43.9 | 57.9 | | | | | | | | | | |
| **ARRIVAL DATE = 2450360.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50360.0 | 0.597 | 234.5 | -17.4 | 0.92 | 1.395 | 112.6 | 0.927 | 11.431 | 312.8 | 532.3 | 0.833 | 22.029A | -0.20 | 0.117 | 146.8 | 150.2 | -74.3 | 0.181 |
| | | 13.12 | 4.84 | 17.96 | TWO | 19.408 | 187.4 | 42.8 | 60.2 | | | | | | | | | | |
| 46060.0 | 50360.0 | 0.529 | 236.0 | -16.7 | 1.19 | 1.395 | 107.9 | 0.923 | 11.504 | 322.6 | 531.9 | 0.886 | 22.121A | -0.53 | 0.119 | 146.4 | 148.4 | -74.8 | 0.180 |
| | | 11.42 | 4.83 | 16.25 | TWO | 19.408 | 187.4 | 42.8 | 59.5 | | | | | | | | | | |
| 46070.0 | 50360.0 | 0.469 | 235.7 | -14.4 | 1.78 | 1.396 | 103.2 | 0.920 | 11.564 | 332.5 | 531.6 | 0.930 | 22.198A | -1.18 | 0.121 | 146.1 | 146.3 | -75.2 | 0.179 |
| | | 9.99 | 4.82 | 14.82 | TWO | 19.408 | 187.4 | 42.8 | 58.9 | | | | | | | | | | |
| 46080.0 | 50360.0 | 0.426 | 234.5 | -6.8 | 3.76 | 1.395 | 98.4 | 0.917 | 11.609 | 342.4 | 531.4 | 0.962 | 22.257A | -3.21 | 0.122 | 145.9 | 142.9 | -75.1 | 0.179 |
| | | 9.01 | 4.82 | 13.83 | TWO | 19.408 | 187.4 | 42.8 | 58.5 | | | | | | | | | | |
| 46090.0 | 50360.0 | 0.646 | 165.8 | -76.0 | -25.08 | 1.395 | 93.5 | 0.916 | 11.639 | 352.6 | 531.2 | 0.981 | 22.297A | 25.58 | 0.123 | 145.8 | 187.0 | -77.4 | 0.187 |
| | | 14.37 | 4.91 | 19.28 | ONE | 19.408 | 187.4 | 42.8 | 59.8 | | | | | | | | | | |
| 46100.0 | 50360.0 | 0.385 | 215.0 | -25.3 | -2.95 | 1.394 | 88.8 | 0.915 | 11.650 | 2.6 | 171.2 | 0.985D | 22.316A | 3.40 | 0.124 | 145.8 | 150.7 | -76.8 | 0.179 |
| | | 8.11 | 4.82 | 12.92 | ONE | 19.408 | 187.4 | 42.8 | 58.1 | | | | | | | | | | |
| 46110.0 | 50360.0 | 0.398 | 210.0 | -18.2 | -1.59 | 1.393 | 83.9 | 0.916 | 11.645 | 12.7 | 171.2 | 0.976D | 22.314A | 1.99 | 0.124 | 146.0 | 148.7 | -76.5 | 0.179 |
| | | 8.39 | 4.82 | 13.21 | ONE | 19.408 | 187.4 | 42.8 | 58.2 | | | | | | | | | | |
| 46120.0 | 50360.0 | 0.436 | 205.8 | -14.4 | -1.11 | 1.391 | 79.0 | 0.918 | 11.623 | 23.0 | 171.4 | 0.952D | 22.293A | 1.46 | 0.123 | 146.2 | 148.4 | -76.2 | 0.180 |
| | | 9.24 | 4.82 | 14.06 | ONE | 19.408 | 187.4 | 42.8 | 58.4 | | | | | | | | | | |
| 46130.0 | 50360.0 | 0.492 | 203.6 | -12.4 | -0.88 | 1.389 | 74.1 | 0.921 | 11.585 | 33.2 | 171.6 | 0.914D | 22.255A | 1.16 | 0.122 | 146.6 | 148.8 | -75.9 | 0.180 |
| | | 10.54 | 4.83 | 15.38 | ONE | 19.408 | 187.4 | 42.8 | 58.7 | | | | | | | | | | |
| 46140.0 | 50360.0 | 0.560 | 203.3 | -11.6 | -0.74 | 1.387 | 69.1 | 0.925 | 11.532 | 43.6 | 171.9 | 0.863D | 22.202A | 0.97 | 0.120 | 147.1 | 149.5 | -75.4 | 0.182 |
| | | 12.20 | 4.85 | 17.05 | ONE | 19.408 | 187.4 | 42.8 | 59.2 | | | | | | | | | | |
| 46150.0 | 50360.0 | 0.637 | 204.5 | -11.6 | -0.66 | 1.385 | 64.1 | 0.930 | 11.469 | 53.9 | 172.3 | 0.800D | 22.137A | 0.82 | 0.118 | 147.9 | 150.5 | -74.8 | 0.183 |
| | | 14.14 | 4.87 | 19.01 | ONE | 19.408 | 187.4 | 42.8 | 59.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2450460.0** | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50460.0 | 0.600 | 235.0 | -17.6 | 0.91 | 1.394 | 112.9 | 0.926 | 11.261 | 312.3 | 532.9 | 0.829 | 21.693A | -0.20 | 0.111 | 144.8 | 151.8 | -73.5 | 0.178 |
| | | 13.21 | 4.80 | 18.01 | TWO | 20.746 | 187.1 | 41.7 | 62.2 | | | | | | | | | | |
| 46060.0 | 50460.0 | 0.531 | 236.5 | -16.9 | 1.17 | 1.395 | 108.1 | 0.922 | 11.329 | 322.1 | 532.5 | 0.884 | 21.774A | -0.52 | 0.113 | 144.4 | 150.1 | -74.1 | 0.177 |
| | | 11.49 | 4.79 | 16.28 | TWO | 20.746 | 187.1 | 41.7 | 61.5 | | | | | | | | | | |
| 46070.0 | 50460.0 | 0.471 | 236.3 | -14.8 | 1.72 | 1.395 | 103.4 | 0.918 | 11.385 | 332.0 | 532.2 | 0.928 | 21.842A | -1.12 | 0.115 | 144.1 | 148.2 | -74.5 | 0.176 |
| | | 10.05 | 4.78 | 14.83 | TWO | 20.746 | 187.1 | 41.7 | 60.9 | | | | | | | | | | |
| 46080.0 | 50460.0 | 0.426 | 234.9 | -8.2 | 3.40 | 1.395 | 98.6 | 0.916 | 11.428 | 341.9 | 532.0 | 0.960 | 21.895A | -2.86 | 0.116 | 143.9 | 145.2 | -74.4 | 0.175 |
| | | 9.02 | 4.78 | 13.80 | TWO | 20.746 | 187.1 | 41.7 | 60.5 | | | | | | | | | | |
| 46100.0 | 50460.0 | 0.385 | 215.4 | -26.9 | -3.32 | 1.393 | 89.0 | 0.914 | 11.466 | 2.1 | 171.8 | 0.985D | 21.947A | 3.76 | 0.118 | 143.9 | 153.1 | -76.2 | 0.175 |
| | | 8.12 | 4.77 | 12.89 | ONE | 20.746 | 187.1 | 41.7 | 60.1 | | | | | | | | | | |
| 46110.0 | 50460.0 | 0.396 | 210.6 | -18.8 | -1.70 | 1.392 | 84.1 | 0.915 | 11.462 | 12.3 | 171.8 | 0.977D | 21.947A | 2.09 | 0.118 | 144.0 | 150.8 | -75.8 | 0.175 |
| | | 8.35 | 4.78 | 13.13 | ONE | 20.746 | 187.1 | 41.7 | 60.1 | | | | | | | | | | |
| 46120.0 | 50460.0 | 0.433 | 206.4 | -14.9 | -1.17 | 1.391 | 79.3 | 0.917 | 11.441 | 22.5 | 172.0 | 0.954D | 21.929A | 1.50 | 0.117 | 144.2 | 150.3 | -75.5 | 0.176 |
| | | 9.18 | 4.78 | 13.96 | ONE | 20.746 | 187.1 | 41.7 | 60.3 | | | | | | | | | | |
| 46130.0 | 50460.0 | 0.488 | 204.1 | -12.7 | -0.91 | 1.389 | 74.3 | 0.920 | 11.406 | 32.7 | 172.2 | 0.917D | 21.896A | 1.19 | 0.116 | 144.6 | 150.6 | -75.2 | 0.177 |
| | | 10.45 | 4.79 | 15.24 | ONE | 20.746 | 187.1 | 41.7 | 60.7 | | | | | | | | | | |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46140.0 | 50460.0 | 0.556<br>12.09 | 203.7<br>4.81 | -11.8<br>16.90 | -0.77<br>ONE | 1.387<br>20.746 | 69.4<br>187.1 | 0.924<br>41.7 | 11.358<br>61.1 | 43.0 | 172.5 | 0.866D | 21.850A | 0.98 | 0.114 | 145.1 | 151.2 | -74.7 | 0.178 |
| 46150.0 | 50460.0 | 0.632<br>14.01 | 204.9<br>4.82 | -11.8<br>18.84 | -0.68<br>ONE | 1.384<br>20.746 | 64.4<br>187.1 | 0.929<br>41.7 | 11.298<br>61.7 | 53.3 | 172.9 | 0.804D | 21.793A | 0.83 | 0.112 | 145.8 | 152.1 | -74.1 | 0.180 |
| ARRIVAL DATE = 2450560.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50560.0 | 0.604<br>13.30 | 235.5<br>4.77 | -17.7<br>18.07 | 0.91<br>TWO | 1.394<br>19.899 | 113.1<br>186.8 | 0.926<br>40.7 | 11.115<br>64.2 | 311.8 | 533.5 | 0.826 | 21.404A | -0.19 | 0.105 | 142.7 | 153.3 | -72.7 | 0.175 |
| 46060.0 | 50560.0 | 0.535<br>11.57 | 237.0<br>4.75 | -17.1<br>16.32 | 1.15<br>TWO | 1.394<br>19.899 | 108.4<br>186.8 | 0.921<br>40.7 | 11.179<br>63.5 | 321.6 | 533.1 | 0.881 | 21.476A | -0.50 | 0.107 | 142.3 | 151.7 | -73.3 | 0.173 |
| 46070.0 | 50560.0 | 0.473<br>10.10 | 236.9<br>4.74 | -15.1<br>14.85 | 1.66<br>TWO | 1.395<br>19.899 | 103.6<br>186.8 | 0.918<br>40.7 | 11.231<br>62.9 | 331.5 | 532.8 | 0.926 | 21.536A | -1.06 | 0.109 | 142.0 | 150.0 | -73.7 | 0.173 |
| 46080.0 | 50560.0 | 0.427<br>9.04 | 235.3<br>4.74 | -9.2<br>13.78 | 3.12<br>TWO | 1.394<br>19.899 | 98.9<br>186.8 | 0.915<br>40.7 | 11.271<br>62.5 | 341.4 | 532.6 | 0.959 | 21.583A | -2.58 | 0.111 | 141.9 | 147.3 | -73.8 | 0.172 |
| 46100.0 | 50560.0 | 0.387<br>8.15 | 215.7<br>4.74 | -28.7<br>12.88 | -3.77<br>ONE | 1.393<br>19.899 | 89.2<br>186.8 | 0.913<br>40.7 | 11.308<br>62.1 | 1.6 | 172.4 | 0.986D | 21.631A | 4.20 | 0.112 | 141.8 | 155.5 | -75.5 | 0.172 |
| 46110.0 | 50560.0 | 0.395<br>8.32 | 211.3<br>4.74 | -19.5<br>13.06 | -1.82<br>ONE | 1.392<br>19.899 | 84.4<br>186.8 | 0.914<br>40.7 | 11.304<br>62.1 | 11.8 | 172.4 | 0.978D | 21.631A | 2.20 | 0.112 | 141.9 | 152.6 | -75.1 | 0.172 |
| 46120.0 | 50560.0 | 0.430<br>9.11 | 207.0<br>4.74 | -15.3<br>13.86 | -1.23<br>ONE | 1.390<br>19.899 | 79.5<br>186.8 | 0.915<br>40.7 | 11.286<br>62.3 | 22.0 | 172.5 | 0.955D | 21.616A | 1.55 | 0.111 | 142.2 | 152.1 | -74.8 | 0.172 |
| 46130.0 | 50560.0 | 0.484<br>10.36 | 204.6<br>4.75 | -13.1<br>15.12 | -0.95<br>ONE | 1.388<br>19.899 | 74.6<br>186.8 | 0.918<br>40.7 | 11.253<br>62.6 | 32.2 | 172.7 | 0.919D | 21.587A | 1.22 | 0.110 | 142.5 | 152.2 | -74.4 | 0.173 |
| 46140.0 | 50560.0 | 0.551<br>11.98 | 204.2<br>4.77 | -12.1<br>16.75 | -0.79<br>ONE | 1.386<br>19.899 | 69.7<br>186.8 | 0.922<br>40.7 | 11.208<br>63.1 | 42.5 | 173.0 | 0.869D | 21.547A | 1.00 | 0.109 | 143.0 | 152.7 | -74.0 | 0.175 |
| 46150.0 | 50560.0 | 0.627<br>13.88 | 205.3<br>4.79 | -12.0<br>18.67 | -0.70<br>ONE | 1.384<br>19.899 | 64.7<br>186.8 | 0.928<br>40.7 | 11.153<br>63.7 | 52.7 | 173.4 | 0.808D | 21.497A | 0.84 | 0.106 | 143.7 | 153.5 | -73.4 | 0.176 |
| ARRIVAL DATE = 2450660.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50660.0 | 0.608<br>13.40 | 235.9<br>4.74 | -17.8<br>18.14 | 0.90<br>TWO | 1.393<br>18.799 | 113.4<br>186.6 | 0.925<br>39.6 | 10.989<br>66.2 | 311.2 | 534.0 | 0.823 | 21.156A | -0.19 | 0.100 | 140.4 | 154.6 | -72.0 | 0.172 |
| 46060.0 | 50660.0 | 0.538<br>11.65 | 237.5<br>4.72 | -17.2<br>16.38 | 1.14<br>TWO | 1.394<br>18.799 | 108.6<br>186.6 | 0.920<br>39.6 | 11.049<br>65.5 | 321.0 | 533.7 | 0.879 | 21.220A | -0.48 | 0.102 | 140.1 | 153.1 | -72.6 | 0.171 |
| 46070.0 | 50660.0 | 0.476<br>10.17 | 237.5<br>4.71 | -15.4<br>14.88 | 1.60<br>TWO | 1.394<br>18.799 | 103.9<br>186.6 | 0.917<br>39.6 | 11.099<br>64.9 | 330.9 | 533.4 | 0.924 | 21.273A | -1.01 | 0.104 | 139.8 | 151.5 | -73.0 | 0.170 |
| 46080.0 | 50660.0 | 0.428<br>9.06 | 235.9<br>4.71 | -10.2<br>13.77 | 2.89<br>TWO | 1.394<br>18.799 | 99.1<br>186.6 | 0.914<br>39.6 | 11.137<br>64.4 | 340.9 | 533.2 | 0.958 | 21.315A | -2.35 | 0.106 | 139.7 | 149.1 | -73.1 | 0.169 |
| 46090.0 | 50660.0 | 0.520<br>11.21 | 243.9<br>4.74 | 29.6<br>15.95 | 16.61<br>TWO | 1.394<br>18.799 | 94.4<br>186.6 | 0.912<br>39.6 | 11.161<br>64.7 | 350.9 | 533.0 | 0.978 | 21.344A | -16.12 | 0.107 | 139.6 | 135.9 | -69.6 | 0.172 |
| 46100.0 | 50660.0 | 0.389<br>8.19 | 215.8<br>4.70 | -30.9<br>12.90 | -4.34<br>ONE | 1.393<br>18.799 | 89.5<br>186.6 | 0.912<br>39.6 | 11.172<br>64.0 | 1.1 | 173.0 | 0.986D | 21.358A | 4.76 | 0.107 | 139.6 | 157.8 | -74.8 | 0.169 |
| 46110.0 | 50660.0 | 0.393<br>8.29 | 212.0<br>4.70 | -20.3<br>12.99 | -1.96<br>ONE | 1.391<br>18.799 | 84.6<br>186.6 | 0.912<br>39.6 | 11.169<br>64.0 | 11.2 | 173.0 | 0.978D | 21.359A | 2.33 | 0.107 | 139.7 | 154.4 | -74.4 | 0.169 |
| 46120.0 | 50660.0 | 0.428<br>9.05 | 207.7<br>4.71 | -15.8<br>13.76 | -1.29<br>ONE | 1.390<br>18.799 | 79.8<br>186.6 | 0.914<br>39.6 | 11.152<br>64.2 | 21.4 | 173.1 | 0.957D | 21.346A | 1.61 | 0.106 | 139.9 | 153.6 | -74.1 | 0.169 |
| 46130.0 | 50660.0 | 0.481<br>10.27 | 205.2<br>4.72 | -13.4<br>14.99 | -0.99<br>ONE | 1.388<br>18.799 | 74.9<br>186.6 | 0.917<br>39.6 | 11.122<br>64.5 | 31.6 | 173.3 | 0.921D | 21.322A | 1.25 | 0.105 | 140.3 | 153.7 | -73.7 | 0.170 |
| 46140.0 | 50660.0 | 0.547<br>11.87 | 204.7<br>4.73 | -12.4<br>16.60 | -0.82<br>ONE | 1.386<br>18.799 | 70.0<br>186.6 | 0.921<br>39.6 | 11.080<br>65.0 | 41.9 | 173.5 | 0.873D | 21.287A | 1.02 | 0.103 | 140.8 | 154.1 | -73.3 | 0.172 |
| 46150.0 | 50660.0 | 0.621<br>13.75 | 205.8<br>4.75 | -12.2<br>18.50 | -0.72<br>ONE | 1.384<br>18.799 | 65.0<br>186.6 | 0.926<br>39.6 | 11.028<br>65.5 | 52.1 | 173.9 | 0.812D | 21.243A | 0.85 | 0.101 | 141.4 | 154.7 | -72.7 | 0.173 |
| ARRIVAL DATE = 2450760.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50760.0 | 0.612<br>13.50 | 236.4<br>4.71 | -18.0<br>18.21 | 0.90<br>TWO | 1.393<br>19.977 | 113.7<br>186.3 | 0.925<br>38.5 | 10.881<br>68.1 | 310.6 | 534.5 | 0.819 | 20.943A | -0.19 | 0.095 | 138.0 | 155.8 | -71.2 | 0.170 |
| 46060.0 | 50760.0 | 0.542<br>11.74 | 238.1<br>4.70 | -17.4<br>16.44 | 1.12<br>TWO | 1.394<br>19.977 | 108.9<br>186.3 | 0.920<br>38.5 | 10.938<br>67.4 | 320.5 | 534.2 | 0.876 | 20.999A | -0.47 | 0.097 | 137.7 | 154.4 | -71.8 | 0.168 |
| 46070.0 | 50760.0 | 0.479<br>10.23 | 238.1<br>4.68 | -15.7<br>14.92 | 1.56<br>TWO | 1.394<br>19.977 | 104.1<br>186.3 | 0.916<br>38.5 | 10.985<br>66.8 | 330.4 | 533.9 | 0.922 | 21.047A | -0.97 | 0.099 | 137.5 | 153.0 | -72.2 | 0.167 |
| 46080.0 | 50760.0 | 0.430<br>9.10 | 236.5<br>4.68 | -11.0<br>13.78 | 2.69<br>TWO | 1.394<br>19.977 | 99.4<br>186.3 | 0.913<br>38.5 | 11.021<br>66.4 | 340.4 | 533.7 | 0.956 | 21.085A | -2.16 | 0.101 | 137.3 | 150.8 | -72.4 | 0.166 |
| 46090.0 | 50760.0 | 0.454<br>9.66 | 239.5<br>4.69 | 16.7<br>14.35 | 11.16<br>TWO | 1.393<br>19.977 | 94.6<br>186.3 | 0.911<br>38.5 | 11.044<br>66.3 | 350.4 | 533.6 | 0.978 | 21.111A | -10.68 | 0.102 | 137.3 | 141.5 | -70.5 | 0.168 |
| 46100.0 | 50760.0 | 0.392<br>8.27 | 215.8<br>4.68 | -33.6<br>12.95 | -5.08<br>ONE | 1.392<br>19.977 | 89.7<br>186.3 | 0.911<br>38.5 | 11.055<br>66.0 | 0.5 | 173.5 | 0.986D | 21.124A | 5.50 | 0.102 | 137.3 | 160.1 | -74.1 | 0.166 |
| 46110.0 | 50760.0 | 0.392<br>8.26 | 212.7<br>4.67 | -21.1<br>12.93 | -2.11<br>ONE | 1.391<br>19.977 | 84.9<br>186.3 | 0.911<br>38.5 | 11.052<br>65.9 | 10.7 | 173.5 | 0.979D | 21.125A | 2.47 | 0.102 | 137.4 | 155.9 | -73.7 | 0.166 |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46120.0 | 50760.0 | 0.425 | 208.4 | -16.3 | -1.36 | 1.389 | 80.1 | 0.913 | 11.037 | 20.8 | 173.6 | 0.959D | 21.114A | 1.67 | 0.101 | 137.6 | 155.1 | -73.4 | 0.167 |
| | | 8.99 | 4.68 | 13.67 | ONE | 19.977 | 186.3 | 38.5 | 66.1 | | | | | | | | | | |
| 46130.0 | 50760.0 | 0.477 | 205.8 | -13.8 | -1.03 | 1.388 | 75.2 | 0.916 | 11.009 | 31.1 | 173.8 | 0.924D | 21.093A | 1.28 | 0.100 | 137.9 | 155.0 | -73.0 | 0.168 |
| | | 10.19 | 4.69 | 14.87 | ONE | 19.977 | 186.3 | 38.5 | 66.4 | | | | | | | | | | |
| 46140.0 | 50760.0 | 0.542 | 205.2 | -12.7 | -0.85 | 1.385 | 70.3 | 0.920 | 10.969 | 41.3 | 174.0 | 0.876D | 21.062A | 1.03 | 0.099 | 138.4 | 155.3 | -72.6 | 0.169 |
| | | 11.76 | 4.70 | 16.46 | ONE | 19.977 | 186.3 | 38.5 | 66.9 | | | | | | | | | | |
| 46150.0 | 50760.0 | 0.616 | 206.3 | -12.5 | -0.74 | 1.383 | 65.3 | 0.925 | 10.921 | 51.5 | 174.3 | 0.816D | 21.025A | 0.86 | 0.096 | 139.0 | 155.9 | -72.0 | 0.171 |
| | | 13.62 | 4.72 | 18.34 | ONE | 19.977 | 186.3 | 38.5 | 67.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450960.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 50960.0 | 0.621 | 237.5 | -18.2 | 0.89 | 1.392 | 114.2 | 0.924 | 10.708 | 309.4 | 535.5 | 0.811 | 20.604A | -0.18 | 0.086 | 132.8 | 157.8 | -69.7 | 0.166 |
| | | 13.73 | 4.67 | 18.40 | TWO | 19.444 | 185.8 | 36.3 | 72.0 | | | | | | | | | | |
| 46060.0 | 50960.0 | 0.549 | 239.3 | -17.8 | 1.09 | 1.393 | 109.5 | 0.919 | 10.759 | 319.3 | 535.2 | 0.869 | 20.649A | -0.45 | 0.088 | 132.6 | 156.6 | -70.3 | 0.164 |
| | | 11.93 | 4.65 | 16.59 | TWO | 19.444 | 185.8 | 36.3 | 71.2 | | | | | | | | | | |
| 46070.0 | 50960.0 | 0.485 | 239.4 | -16.3 | 1.47 | 1.393 | 104.7 | 0.915 | 10.802 | 329.2 | 534.9 | 0.917 | 20.687A | -0.89 | 0.090 | 132.4 | 155.4 | -70.8 | 0.163 |
| | | 10.39 | 4.64 | 15.02 | TWO | 19.444 | 185.8 | 36.3 | 70.7 | | | | | | | | | | |
| 46080.0 | 50960.0 | 0.434 | 237.9 | -12.4 | 2.38 | 1.393 | 99.9 | 0.912 | 10.835 | 339.2 | 534.7 | 0.953 | 20.716A | -1.86 | 0.092 | 132.3 | 153.6 | -71.0 | 0.162 |
| | | 9.19 | 4.63 | 13.82 | TWO | 19.444 | 185.8 | 36.3 | 70.2 | | | | | | | | | | |
| 46090.0 | 50960.0 | 0.418 | 237.2 | 3.8 | 6.82 | 1.393 | 95.1 | 0.910 | 10.857 | 349.2 | 534.6 | 0.976 | 20.737A | -6.36 | 0.093 | 132.3 | 148.2 | -70.3 | 0.162 |
| | | 8.84 | 4.63 | 13.47 | TWO | 19.444 | 185.8 | 36.3 | 70.0 | | | | | | | | | | |
| 46100.0 | 50960.0 | 0.409 | 214.4 | -42.1 | -7.56 | 1.392 | 90.3 | 0.909 | 10.867 | 359.4 | 534.6 | 0.986 | 20.749A | 7.97 | 0.093 | 132.3 | 165.7 | -72.9 | 0.162 |
| | | 8.63 | 4.63 | 13.26 | ONE | 19.444 | 185.8 | 36.3 | 69.9 | | | | | | | | | | |
| 46110.0 | 50960.0 | 0.390 | 214.1 | -23.0 | -2.47 | 1.390 | 85.5 | 0.910 | 10.866 | 9.5 | 174.6 | 0.981D | 20.750A | 2.83 | 0.093 | 132.4 | 158.7 | -72.3 | 0.162 |
| | | 8.21 | 4.63 | 12.84 | ONE | 19.444 | 185.8 | 36.3 | 69.7 | | | | | | | | | | |
| 46120.0 | 50960.0 | 0.419 | 209.8 | -17.4 | -1.51 | 1.389 | 80.6 | 0.911 | 10.853 | 19.7 | 174.6 | 0.962D | 20.743A | 1.80 | 0.093 | 132.6 | 157.5 | -72.0 | 0.162 |
| | | 8.86 | 4.63 | 13.50 | ONE | 19.444 | 185.8 | 36.3 | 69.9 | | | | | | | | | | |
| 46130.0 | 50960.0 | 0.469 | 207.1 | -14.6 | -1.11 | 1.387 | 75.8 | 0.914 | 10.828 | 29.9 | 174.8 | 0.929D | 20.727A | 1.35 | 0.092 | 132.9 | 157.3 | -71.6 | 0.163 |
| | | 10.01 | 4.64 | 14.65 | ONE | 19.444 | 185.8 | 36.3 | 70.2 | | | | | | | | | | |
| 46140.0 | 50960.0 | 0.533 | 206.4 | -13.3 | -0.90 | 1.385 | 70.9 | 0.918 | 10.794 | 40.0 | 175.0 | 0.883D | 20.704A | 1.07 | 0.090 | 133.3 | 157.4 | -71.2 | 0.164 |
| | | 11.53 | 4.65 | 16.19 | ONE | 19.444 | 185.8 | 36.3 | 70.6 | | | | | | | | | | |
| 46150.0 | 50960.0 | 0.606 | 207.2 | -13.0 | -0.78 | 1.383 | 66.0 | 0.923 | 10.750 | 50.2 | 175.2 | 0.825D | 20.675A | 0.88 | 0.088 | 133.8 | 157.8 | -70.7 | 0.166 |
| | | 13.35 | 4.67 | 18.02 | ONE | 19.444 | 185.8 | 36.3 | 71.1 | | | | | | | | | | |
| ARRIVAL DATE = 2451160.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 51160.0 | 0.630 | 238.5 | -18.5 | 0.88 | 1.392 | 114.9 | 0.924 | 10.581 | 308.1 | 536.4 | 0.803 | 20.359A | -0.17 | 0.078 | 126.9 | 159.4 | -68.3 | 0.163 |
| | | 13.98 | 4.64 | 18.61 | TWO | 20.497 | 185.4 | 34.2 | 75.6 | | | | | | | | | | |
| 46060.0 | 51160.0 | 0.558 | 240.5 | -18.1 | 1.06 | 1.393 | 110.1 | 0.919 | 10.628 | 318.0 | 536.1 | 0.863 | 20.394A | -0.42 | 0.081 | 126.8 | 158.4 | -68.9 | 0.161 |
| | | 12.15 | 4.62 | 16.76 | TWO | 20.497 | 185.4 | 34.2 | 75.0 | | | | | | | | | | |
| 46070.0 | 51160.0 | 0.493 | 240.8 | -16.9 | 1.40 | 1.393 | 105.3 | 0.915 | 10.667 | 328.0 | 535.9 | 0.912 | 20.423A | -0.82 | 0.083 | 126.8 | 157.3 | -69.4 | 0.160 |
| | | 10.56 | 4.60 | 15.16 | TWO | 20.497 | 185.4 | 34.2 | 74.4 | | | | | | | | | | |
| 46080.0 | 51160.0 | 0.439 | 239.4 | -13.6 | 2.15 | 1.393 | 100.5 | 0.911 | 10.698 | 338.0 | 535.7 | 0.949 | 20.447A | -1.64 | 0.085 | 126.7 | 155.9 | -69.7 | 0.159 |
| | | 9.30 | 4.59 | 13.90 | TWO | 20.497 | 185.4 | 34.2 | 73.9 | | | | | | | | | | |
| 46090.0 | 51160.0 | 0.410 | 237.4 | -2.6 | 4.98 | 1.392 | 95.7 | 0.909 | 10.719 | 348.0 | 535.6 | 0.974 | 20.463A | -4.53 | 0.086 | 126.8 | 152.3 | -69.4 | 0.158 |
| | | 8.66 | 4.59 | 13.25 | TWO | 20.497 | 185.4 | 34.2 | 73.6 | | | | | | | | | | |
| 46100.0 | 51160.0 | 0.476 | 204.5 | -59.5 | -13.99 | 1.391 | 90.8 | 0.908 | 10.729 | 358.2 | 535.5 | 0.986 | 20.473A | 14.39 | 0.086 | 126.8 | 175.6 | -71.8 | 0.161 |
| | | 10.16 | 4.62 | 14.78 | ONE | 20.497 | 185.4 | 34.2 | 73.8 | | | | | | | | | | |
| 46110.0 | 51160.0 | 0.388 | 215.6 | -25.4 | -2.96 | 1.390 | 86.1 | 0.908 | 10.729 | 8.3 | 175.5 | 0.983D | 20.475A | 3.30 | 0.086 | 126.9 | 161.1 | -71.0 | 0.158 |
| | | 8.19 | 4.59 | 12.77 | ONE | 20.497 | 185.4 | 34.2 | 73.4 | | | | | | | | | | |
| 46120.0 | 51160.0 | 0.414 | 211.4 | -18.7 | -1.69 | 1.388 | 81.2 | 0.910 | 10.718 | 18.4 | 175.6 | 0.965D | 20.470A | 1.97 | 0.086 | 127.0 | 159.6 | -70.6 | 0.158 |
| | | 8.75 | 4.59 | 13.34 | ONE | 20.497 | 185.4 | 34.2 | 73.5 | | | | | | | | | | |
| 46130.0 | 51160.0 | 0.462 | 208.5 | -15.5 | -1.21 | 1.387 | 76.4 | 0.913 | 10.697 | 28.6 | 175.7 | 0.934D | 20.459A | 1.42 | 0.085 | 127.3 | 159.2 | -70.3 | 0.159 |
| | | 9.83 | 4.60 | 14.43 | ONE | 20.497 | 185.4 | 34.2 | 73.8 | | | | | | | | | | |
| 46140.0 | 51160.0 | 0.524 | 207.6 | -13.9 | -0.96 | 1.385 | 71.5 | 0.917 | 10.666 | 38.7 | 175.9 | 0.890D | 20.442A | 1.12 | 0.083 | 127.6 | 159.2 | -69.9 | 0.161 |
| | | 11.31 | 4.61 | 15.92 | ONE | 20.497 | 185.4 | 34.2 | 74.1 | | | | | | | | | | |
| 46150.0 | 51160.0 | 0.595 | 208.3 | -13.5 | -0.82 | 1.382 | 66.6 | 0.922 | 10.627 | 48.9 | 176.1 | 0.834D | 20.420A | 0.91 | 0.081 | 128.0 | 159.4 | -69.5 | 0.162 |
| | | 13.08 | 4.63 | 17.71 | ONE | 20.497 | 185.4 | 34.2 | 74.6 | | | | | | | | | | |
| ARRIVAL DATE = 2451360.0 | | | | | | | | | | | | | | | | | | | |
| 46050.0 | 51360.0 | 0.641 | 239.6 | -18.8 | 0.87 | 1.392 | 115.5 | 0.924 | 10.491 | 306.7 | 537.2 | 0.794 | 20.187A | -0.17 | 0.072 | 120.5 | 160.7 | -67.1 | 0.161 |
| | | 14.24 | 4.62 | 18.86 | TWO | 19.085 | 185.0 | 32.0 | 79.7 | | | | | | | | | | |
| 46060.0 | 51360.0 | 0.567 | 241.7 | -18.5 | 1.04 | 1.392 | 110.7 | 0.919 | 10.534 | 316.7 | 537.0 | 0.855 | 20.213A | -0.40 | 0.075 | 120.5 | 159.8 | -67.7 | 0.159 |
| | | 12.38 | 4.60 | 16.97 | TWO | 19.085 | 185.0 | 32.0 | 78.5 | | | | | | | | | | |
| 46070.0 | 51360.0 | 0.501 | 242.3 | -17.4 | 1.34 | 1.393 | 105.9 | 0.914 | 10.571 | 326.7 | 536.8 | 0.906 | 20.235A | -0.77 | 0.077 | 120.6 | 158.9 | -68.1 | 0.157 |
| | | 10.75 | 4.58 | 15.33 | TWO | 19.085 | 185.0 | 32.0 | 78.0 | | | | | | | | | | |
| 46080.0 | 51360.0 | 0.445 | 241.0 | -14.6 | 1.97 | 1.392 | 101.1 | 0.911 | 10.599 | 336.7 | 536.6 | 0.945 | 20.253A | -1.46 | 0.079 | 120.7 | 157.7 | -68.4 | 0.156 |
| | | 9.44 | 4.57 | 14.01 | TWO | 19.085 | 185.0 | 32.0 | 77.5 | | | | | | | | | | |

1985
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V I / CDIST | PSI I / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46090.0 | 51360.0 | 0.409 | 238.5 | -6.5 | 3.96 | 1.392 | 96.3 | 0.908 | 10.619 | 346.8 | 536.5 | 0.972 | 20.267A | -3.52 | 0.080 | 120.8 | 155.1 | -68.3 | 0.155 |
| | | 8.64 | 4.56 | 13.20 | TWO | 19.085 | 185.0 | 32.0 | 77.2 | | | | | | | | | | |
| 46110.0 | 51360.0 | 0.389 | 216.9 | -28.5 | -3.65 | 1.390 | 86.7 | 0.907 | 10.630 | 7.0 | 176.4 | 0.984D | 20.277A | 3.97 | 0.080 | 121.0 | 163.4 | -69.8 | 0.155 |
| | | 8.19 | 4.56 | 12.75 | ONE | 19.085 | 185.0 | 32.0 | 77.0 | | | | | | | | | | |
| 46120.0 | 51360.0 | 0.409 | 213.1 | -20.1 | -1.90 | 1.388 | 81.8 | 0.909 | 10.621 | 17.1 | 176.5 | 0.969D | 20.274A | 2.16 | 0.080 | 121.1 | 161.3 | -69.4 | 0.156 |
| | | 8.64 | 4.56 | 13.21 | ONE | 19.085 | 185.0 | 32.0 | 77.1 | | | | | | | | | | |
| 46130.0 | 51360.0 | 0.454 | 210.0 | -16.4 | -1.31 | 1.386 | 77.0 | 0.911 | 10.603 | 27.3 | 176.6 | 0.939D | 20.266A | 1.51 | 0.079 | 121.2 | 160.7 | -69.1 | 0.156 |
| | | 9.66 | 4.57 | 14.23 | ONE | 19.085 | 185.0 | 32.0 | 77.3 | | | | | | | | | | |
| 46140.0 | 51360.0 | 0.514 | 208.8 | -14.6 | -1.03 | 1.384 | 72.2 | 0.915 | 10.575 | 37.4 | 176.7 | 0.897D | 20.253A | 1.17 | 0.077 | 121.4 | 160.6 | -68.7 | 0.158 |
| | | 11.08 | 4.59 | 15.67 | ONE | 19.085 | 185.0 | 32.0 | 77.6 | | | | | | | | | | |
| 46150.0 | 51360.0 | 0.585 | 209.4 | -14.0 | -0.87 | 1.382 | 67.3 | 0.920 | 10.540 | 47.5 | 176.9 | 0.842D | 20.238A | 0.94 | 0.075 | 121.7 | 160.7 | -68.3 | 0.159 |
| | | 12.81 | 4.60 | 17.42 | ONE | 19.085 | 185.0 | 32.0 | 78.0 | | | | | | | | | | |

ARRIVAL DATE = 2451560.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 51560.0 | 0.577 | 243.0 | -18.8 | 1.01 | 1.392 | 111.4 | 0.919 | 10.469 | 315.3 | 537.8 | 0.847 | 20.091A | -0.39 | 0.070 | 113.7 | 161.0 | -66.5 | 0.157 |
| | | 12.63 | 4.58 | 17.21 | TWO | 20.841 | 184.6 | 29.9 | 81.9 | | | | | | | | | | |
| 46070.0 | 51560.0 | 0.509 | 243.8 | -17.8 | 1.28 | 1.392 | 106.5 | 0.914 | 10.504 | 325.3 | 537.6 | 0.900 | 20.107A | -0.72 | 0.072 | 114.0 | 160.1 | -67.0 | 0.156 |
| | | 10.95 | 4.56 | 15.52 | TWO | 20.841 | 184.6 | 29.9 | 81.4 | | | | | | | | | | |
| 46080.0 | 51560.0 | 0.451 | 242.6 | -15.5 | 1.82 | 1.392 | 101.7 | 0.911 | 10.531 | 335.4 | 537.4 | 0.941 | 20.121A | -1.33 | 0.074 | 114.2 | 159.1 | -67.3 | 0.154 |
| | | 9.59 | 4.55 | 14.14 | TWO | 20.841 | 184.6 | 29.9 | 80.9 | | | | | | | | | | |
| 46090.0 | 51560.0 | 0.411 | 239.9 | -9.1 | 3.32 | 1.392 | 96.9 | 0.908 | 10.550 | 345.4 | 537.3 | 0.969 | 20.131A | -2.89 | 0.075 | 114.4 | 157.1 | -67.3 | 0.154 |
| | | 8.68 | 4.54 | 13.22 | TWO | 20.841 | 184.6 | 29.9 | 80.6 | | | | | | | | | | |
| 46100.0 | 51560.0 | 0.585 | 249.7 | 39.8 | 21.59 | 1.391 | 92.2 | 0.907 | 10.561 | 355.4 | 537.3 | 0.984 | 20.137A | -21.22 | 0.076 | 114.5 | 141.5 | -63.2 | 0.160 |
| | | 12.83 | 4.60 | 17.43 | TWO | 20.841 | 184.6 | 29.9 | 80.8 | | | | | | | | | | |
| 46110.0 | 51560.0 | 0.391 | 217.9 | -32.6 | -4.67 | 1.389 | 87.3 | 0.907 | 10.562 | 5.7 | 177.3 | 0.985D | 20.139A | 4.98 | 0.076 | 114.6 | 165.7 | -68.7 | 0.153 |
| | | 8.25 | 4.54 | 12.79 | ONE | 20.841 | 184.6 | 29.9 | 80.4 | | | | | | | | | | |
| 46120.0 | 51560.0 | 0.405 | 214.8 | -21.7 | -2.16 | 1.388 | 82.5 | 0.908 | 10.555 | 15.8 | 177.3 | 0.972D | 20.137A | 2.41 | 0.075 | 114.7 | 162.7 | -68.3 | 0.153 |
| | | 8.54 | 4.54 | 13.09 | ONE | 20.841 | 184.6 | 29.9 | 80.5 | | | | | | | | | | |
| 46130.0 | 51560.0 | 0.447 | 211.6 | -17.4 | -1.43 | 1.386 | 77.7 | 0.910 | 10.538 | 25.9 | 177.4 | 0.945D | 20.132A | 1.62 | 0.074 | 114.8 | 162.0 | -68.0 | 0.154 |
| | | 9.49 | 4.55 | 14.04 | ONE | 20.841 | 184.6 | 29.9 | 80.6 | | | | | | | | | | |
| 46140.0 | 51560.0 | 0.505 | 210.2 | -15.4 | -1.10 | 1.384 | 72.8 | 0.914 | 10.514 | 36.0 | 177.5 | 0.904D | 20.123A | 1.22 | 0.073 | 114.8 | 161.7 | -67.7 | 0.156 |
| | | 10.86 | 4.56 | 15.42 | ONE | 20.841 | 184.6 | 29.9 | 80.9 | | | | | | | | | | |
| 46150.0 | 51560.0 | 0.574 | 210.6 | -14.6 | -0.91 | 1.382 | 68.0 | 0.919 | 10.482 | 46.1 | 177.6 | 0.851D | 20.112A | 0.97 | 0.071 | 114.9 | 161.8 | -67.3 | 0.157 |
| | | 12.54 | 4.58 | 17.12 | ONE | 20.841 | 184.6 | 29.9 | 81.3 | | | | | | | | | | |
| 46160.0 | 51560.0 | 0.649 | 212.4 | -14.7 | -0.80 | 1.380 | 63.1 | 0.925 | 10.444 | 56.1 | 177.8 | 0.788D | 20.100A | 0.78 | 0.068 | 115.1 | 161.9 | -66.8 | 0.159 |
| | | 14.47 | 4.60 | 19.07 | ONE | 20.841 | 184.6 | 29.9 | 81.8 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ARRIVAL DATE = 2447630.0 | | | | | | | | | | | | |
| 46480.0 | 47630.0 | 0.642 | 241.9 | -21.7 | -0.29 | 1.651 | 91.5 | 1.695 | -1.422 | 357.7 | 480.6 | 0.988 | NA | 0.89 | 0.898 | 174.6 | 48.8 | -79.7 | 0.895 |
| | | 14.26 | 20.52 | 34.78 | ONE | 18.994 | 205.7 | 72.3 | 9.1 | | | | | | | | | | |
| 46490.0 | 47630.0 | 0.649 | 235.8 | -20.4 | -0.26 | 1.652 | 85.2 | 1.699 | -1.409 | 7.6 | 120.5 | 0.985D | NA | 0.84 | 0.902 | 174.6 | 48.7 | -79.7 | 0.898 |
| | | 14.45 | 20.61 | 35.06 | ONE | 18.994 | 205.7 | 72.3 | 9.1 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447730.0 | | | | | | | | | | | | |
| 46460.0 | 47730.0 | 0.648 | 247.7 | -23.0 | -0.44 | 1.606 | 101.6 | 1.522 | -1.824 | 340.8 | 485.1 | 0.952 | NA | 1.09 | 0.807 | 174.3 | 49.4 | -79.8 | 0.806 |
| | | 14.44 | 18.15 | 32.60 | ONE | 18.441 | 204.1 | 71.3 | 10.4 | | | | | | | | | | |
| 46470.0 | 47730.0 | 0.611 | 243.8 | -22.2 | -0.36 | 1.607 | 95.9 | 1.543 | -1.802 | 350.2 | 484.4 | 0.978 | NA | 0.98 | 0.811 | 174.2 | 48.8 | -79.7 | 0.810 |
| | | 13.48 | 18.25 | 31.73 | ONE | 18.441 | 204.1 | 71.3 | 10.3 | | | | | | | | | | |
| 46480.0 | 47730.0 | 0.596 | 238.1 | -21.1 | -0.31 | 1.607 | 90.0 | 1.554 | -1.784 | 360.0 | 484.0 | 0.988 | NA | 0.90 | 0.815 | 174.2 | 48.5 | -79.6 | 0.813 |
| | | 13.10 | 18.34 | 31.44 | ONE | 18.441 | 204.1 | 71.3 | 10.2 | | | | | | | | | | |
| 46490.0 | 47730.0 | 0.610 | 231.8 | -19.6 | -0.28 | 1.607 | 83.9 | 1.554 | -1.771 | 10.0 | 124.1 | 0.981D | NA | 0.84 | 0.817 | 174.3 | 48.4 | -79.6 | 0.816 |
| | | 13.45 | 18.41 | 31.85 | ONE | 18.441 | 204.1 | 71.3 | 10.2 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447830.0 | | | | | | | | | | | | |
| 46460.0 | 47830.0 | 0.603 | 245.0 | -22.7 | -0.48 | 1.572 | 100.1 | 1.422 | -2.272 | 342.8 | 488.2 | 0.959 | NA | 1.12 | 0.737 | 173.9 | 49.1 | -79.8 | 0.737 |
| | | 13.29 | 16.37 | 29.66 | ONE | 19.914 | 202.6 | 70.2 | 11.5 | | | | | | | | | | |
| 46470.0 | 47830.0 | 0.570 | 240.5 | -21.8 | -0.39 | 1.572 | 94.6 | 1.437 | -2.246 | 352.3 | 487.6 | 0.981 | NA | 1.00 | 0.741 | 173.8 | 48.5 | -79.7 | 0.740 |
| | | 12.45 | 16.45 | 28.90 | ONE | 19.914 | 202.6 | 70.2 | 11.4 | | | | | | | | | | |
| 46480.0 | 47830.0 | 0.561 | 234.5 | -20.4 | -0.33 | 1.572 | 88.8 | 1.444 | -2.226 | 2.1 | 127.3 | 0.988D | NA | 0.92 | 0.743 | 173.8 | 48.2 | -79.6 | 0.743 |
| | | 12.22 | 16.51 | 28.74 | ONE | 19.914 | 202.6 | 70.2 | 11.3 | | | | | | | | | | |
| 46490.0 | 47830.0 | 0.580 | 228.1 | -18.7 | -0.30 | 1.572 | 82.7 | 1.442 | -2.211 | 12.3 | 127.4 | 0.977D | NA | 0.85 | 0.745 | 173.9 | 48.3 | -79.6 | 0.745 |
| | | 12.71 | 16.57 | 29.27 | ONE | 19.914 | 202.6 | 70.2 | 11.3 | | | | | | | | | | |
| 46500.0 | 47830.0 | 0.628 | 222.6 | -17.1 | -0.28 | 1.571 | 76.5 | 1.430 | -2.200 | 22.9 | 128.0 | 0.947D | NA | 0.80 | 0.747 | 174.0 | 48.7 | -79.7 | 0.747 |
| | | 13.92 | 16.61 | 30.54 | ONE | 19.914 | 202.6 | 70.2 | 11.4 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2447930.0 | | | | | | | | | | | | |
| 46450.0 | 47930.0 | 0.614 | 245.1 | -23.3 | -0.73 | 1.543 | 104.1 | 1.326 | -2.860 | 335.3 | 492.0 | 0.932 | NA | 1.39 | 0.673 | 173.5 | 49.6 | -79.9 | 0.675 |
| | | 13.55 | 14.78 | 28.34 | ONE | 20.123 | 201.3 | 69.2 | 12.8 | | | | | | | | | | |
| 46460.0 | 47930.0 | 0.567 | 242.4 | -22.4 | -0.52 | 1.544 | 98.9 | 1.342 | -2.821 | 344.6 | 491.2 | 0.965 | NA | 1.15 | 0.677 | 173.4 | 48.8 | -79.8 | 0.678 |
| | | 12.37 | 14.86 | 27.22 | ONE | 20.123 | 201.3 | 69.2 | 12.6 | | | | | | | | | | |
| 46470.0 | 47930.0 | 0.538 | 237.4 | -21.3 | -0.42 | 1.545 | 93.4 | 1.353 | -2.790 | 354.1 | 490.6 | 0.984 | NA | 1.02 | 0.679 | 173.4 | 48.3 | -79.7 | 0.681 |
| | | 11.65 | 14.92 | 26.58 | ONE | 20.123 | 201.3 | 69.2 | 12.5 | | | | | | | | | | |
| 46480.0 | 47930.0 | 0.534 | 231.1 | -19.7 | -0.36 | 1.544 | 87.7 | 1.357 | -2.767 | 4.1 | 130.4 | 0.987D | NA | 0.93 | 0.682 | 173.4 | 48.1 | -79.6 | 0.683 |
| | | 11.55 | 14.97 | 26.53 | ONE | 20.123 | 201.3 | 69.2 | 12.4 | | | | | | | | | | |
| 46490.0 | 47930.0 | 0.558 | 224.7 | -17.9 | -0.32 | 1.543 | 81.7 | 1.354 | -2.752 | 14.3 | 130.7 | 0.973D | NA | 0.86 | 0.683 | 173.4 | 48.3 | -79.6 | 0.684 |
| | | 12.16 | 15.02 | 27.17 | ONE | 20.123 | 201.3 | 69.2 | 12.5 | | | | | | | | | | |
| 46500.0 | 47930.0 | 0.610 | 219.6 | -16.2 | -0.30 | 1.542 | 75.6 | 1.343 | -2.742 | 25.0 | 131.3 | 0.940D | NA | 0.80 | 0.684 | 173.6 | 48.7 | -79.7 | 0.686 |
| | | 13.46 | 15.05 | 28.52 | ONE | 20.123 | 201.3 | 69.2 | 12.6 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2448030.0 | | | | | | | | | | | | |
| 46440.0 | 48030.0 | 0.638 | 243.8 | -24.6 | -1.46 | 1.520 | 108.0 | 1.249 | -3.611 | 327.7 | 495.8 | 0.899 | NA | 2.14 | 0.616 | 173.2 | 50.3 | -80.1 | 0.621 |
| | | 14.17 | 13.43 | 27.61 | ONE | 18.637 | 200.2 | 68.1 | 14.2 | | | | | | | | | | |
| 46450.0 | 48030.0 | 0.581 | 243.1 | -23.2 | -0.80 | 1.521 | 103.0 | 1.265 | -3.551 | 336.8 | 494.8 | 0.940 | NA | 1.45 | 0.620 | 173.0 | 49.4 | -79.9 | 0.624 |
| | | 12.72 | 13.51 | 26.23 | ONE | 18.637 | 200.2 | 68.1 | 13.9 | | | | | | | | | | |
| 46460.0 | 48030.0 | 0.537 | 239.9 | -22.2 | -0.56 | 1.522 | 97.7 | 1.277 | -3.503 | 346.2 | 494.0 | 0.969 | NA | 1.19 | 0.623 | 172.9 | 48.7 | -79.8 | 0.626 |
| | | 11.63 | 13.57 | 25.20 | ONE | 18.637 | 200.2 | 68.1 | 13.8 | | | | | | | | | | |
| 46470.0 | 48030.0 | 0.512 | 234.5 | -20.8 | -0.45 | 1.522 | 92.3 | 1.284 | -3.466 | 355.9 | 493.5 | 0.985 | NA | 1.04 | 0.626 | 172.9 | 48.3 | -79.7 | 0.628 |
| | | 11.03 | 13.62 | 24.65 | ONE | 18.637 | 200.2 | 68.1 | 13.6 | | | | | | | | | | |
| 46480.0 | 48030.0 | 0.513 | 228.0 | -19.0 | -0.38 | 1.521 | 86.7 | 1.287 | -3.440 | 5.9 | 133.4 | 0.986D | NA | 0.94 | 0.628 | 172.9 | 48.2 | -79.6 | 0.630 |
| | | 11.04 | 13.66 | 24.70 | ONE | 18.637 | 200.2 | 68.1 | 13.6 | | | | | | | | | | |
| 46490.0 | 48030.0 | 0.542 | 221.7 | -17.1 | -0.34 | 1.520 | 80.9 | 1.283 | -3.423 | 16.2 | 133.7 | 0.969D | NA | 0.87 | 0.629 | 173.0 | 48.4 | -79.6 | 0.631 |
| | | 11.74 | 13.70 | 25.44 | ONE | 18.637 | 200.2 | 68.1 | 13.6 | | | | | | | | | | |
| 46500.0 | 48030.0 | 0.597 | 217.0 | -15.4 | -0.32 | 1.519 | 74.9 | 1.273 | -3.414 | 27.0 | 134.4 | 0.933D | NA | 0.81 | 0.629 | 173.2 | 48.9 | -79.7 | 0.633 |
| | | 13.12 | 13.73 | 26.85 | ONE | 18.637 | 200.2 | 68.1 | 13.8 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2448130.0 | | | | | | | | | | | | |
| 46440.0 | 48130.0 | 0.609 | 242.2 | -25.1 | -1.69 | 1.502 | 106.9 | 1.202 | -4.499 | 329.0 | 498.3 | 0.907 | NA | 2.37 | 0.570 | 172.7 | 50.2 | -80.2 | 0.576 |
| | | 13.43 | 12.35 | 25.78 | ONE | 18.854 | 199.1 | 67.0 | 15.4 | | | | | | | | | | |
| 46450.0 | 48130.0 | 0.554 | 241.1 | -23.2 | -0.88 | 1.503 | 101.9 | 1.214 | -4.422 | 338.2 | 497.3 | 0.945 | NA | 1.53 | 0.574 | 172.5 | 49.4 | -79.9 | 0.579 |
| | | 12.04 | 12.41 | 24.45 | ONE | 18.854 | 199.1 | 67.0 | 15.1 | | | | | | | | | | |
| 46460.0 | 48130.0 | 0.512 | 237.5 | -21.9 | -0.61 | 1.503 | 96.8 | 1.223 | -4.362 | 347.7 | 496.6 | 0.973 | NA | 1.23 | 0.576 | 172.5 | 48.8 | -79.8 | 0.581 |
| | | 11.03 | 12.47 | 23.50 | ONE | 18.854 | 199.1 | 67.0 | 14.9 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46470.0 | 48130.0 | 0.491 | 231.8 | -20.3 | -0.48 | 1.503 | 91.4 | 1.228 | -4.317 | 357.4 | 496.2 | 0.986 | NA | 1.07 | 0.578 | 172.4 | 48.4 | -79.7 | 0.583 |
| | | 10.53 | 12.51 | 23.04 | ONE | 18.854 | 199.1 | 67.0 | 14.8 | | | | | | | | | | |
| 46480.0 | 48130.0 | 0.496 | 225.2 | -18.4 | -0.40 | 1.502 | 85.9 | 1.229 | -4.287 | 7.5 | 136.2 | 0.984D | NA | 0.96 | 0.580 | 172.4 | 48.3 | -79.7 | 0.584 |
| | | 10.64 | 12.54 | 23.19 | ONE | 18.854 | 199.1 | 67.0 | 14.8 | | | | | | | | | | |
| 46490.0 | 48130.0 | 0.529 | 219.1 | -16.4 | -0.36 | 1.501 | 80.1 | 1.226 | -4.269 | 17.9 | 136.5 | 0.964D | NA | 0.88 | 0.581 | 172.5 | 48.6 | -79.7 | 0.585 |
| | | 11.43 | 12.57 | 24.00 | ONE | 18.854 | 199.1 | 67.0 | 14.8 | | | | | | | | | | |
| 46500.0 | 48130.0 | 0.587 | 214.7 | -14.7 | -0.33 | 1.499 | 74.2 | 1.217 | -4.263 | 28.7 | 137.3 | 0.926D | NA | 0.81 | 0.581 | 172.7 | 49.2 | -79.8 | 0.586 |
| | | 12.87 | 12.59 | 25.46 | ONE | 18.854 | 199.1 | 67.0 | 15.0 | | | | | | | | | | |
| ARRIVAL DATE = 2448230.0 | | | | | | | | | | | | | | | | | | | |
| 46440.0 | 48230.0 | 0.585 | 240.6 | -25.6 | -1.97 | 1.487 | 106.0 | 1.162 | -5.644 | 330.2 | 500.6 | 0.914 | NA | 2.65 | 0.529 | 172.1 | 50.2 | -80.2 | 0.536 |
| | | 12.81 | 11.42 | 24.23 | ONE | 20.318 | 198.1 | 66.0 | 16.6 | | | | | | | | | | |
| 46450.0 | 48230.0 | 0.531 | 239.3 | -23.2 | -0.97 | 1.488 | 101.1 | 1.171 | -5.543 | 339.5 | 499.7 | 0.950 | NA | 1.61 | 0.532 | 172.0 | 49.6 | -80.0 | 0.539 |
| | | 11.48 | 11.47 | 22.95 | ONE | 20.318 | 198.1 | 66.0 | 16.3 | | | | | | | | | | |
| 46460.0 | 48230.0 | 0.492 | 235.3 | -21.7 | -0.66 | 1.488 | 95.9 | 1.178 | -5.466 | 349.0 | 499.1 | 0.975 | NA | 1.27 | 0.535 | 171.9 | 49.0 | -79.8 | 0.540 |
| | | 10.54 | 11.51 | 22.06 | ONE | 20.318 | 198.1 | 66.0 | 16.1 | | | | | | | | | | |
| 46470.0 | 48230.0 | 0.475 | 229.4 | -19.9 | -0.51 | 1.487 | 90.6 | 1.182 | -5.410 | 358.9 | 498.8 | 0.986 | NA | 1.09 | 0.536 | 171.9 | 48.6 | -79.7 | 0.542 |
| | | 10.13 | 11.55 | 21.68 | ONE | 20.318 | 198.1 | 66.0 | 16.0 | | | | | | | | | | |
| 46480.0 | 48230.0 | 0.483 | 222.7 | -17.8 | -0.43 | 1.486 | 85.1 | 1.183 | -5.375 | 9.0 | 138.8 | 0.982D | NA | 0.97 | 0.538 | 171.9 | 48.6 | -79.7 | 0.543 |
| | | 10.33 | 11.58 | 21.91 | ONE | 20.318 | 198.1 | 66.0 | 16.0 | | | | | | | | | | |
| 46490.0 | 48230.0 | 0.519 | 216.8 | -15.7 | -0.38 | 1.485 | 79.5 | 1.179 | -5.357 | 19.4 | 139.2 | 0.960D | NA | 0.89 | 0.538 | 172.1 | 49.0 | -79.8 | 0.544 |
| | | 11.19 | 11.60 | 22.79 | ONE | 20.318 | 198.1 | 66.0 | 16.1 | | | | | | | | | | |
| 46500.0 | 48230.0 | 0.579 | 212.7 | -14.1 | -0.35 | 1.483 | 73.7 | 1.172 | -5.355 | 30.2 | 140.0 | 0.920D | NA | 0.82 | 0.538 | 172.2 | 49.7 | -79.9 | 0.545 |
| | | 12.67 | 11.62 | 24.29 | ONE | 20.318 | 198.1 | 66.0 | 16.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448330.0 | | | | | | | | | | | | | | | | | | | |
| 46440.0 | 48330.0 | 0.564 | 239.1 | -26.4 | -2.33 | 1.474 | 105.2 | 1.128 | -7.162 | 331.3 | 502.9 | 0.919 | NA | 3.00 | 0.492 | 171.6 | 50.4 | -80.4 | 0.501 |
| | | 12.30 | 10.61 | 22.91 | ONE | 19.771 | 197.2 | 64.9 | 17.8 | | | | | | | | | | |
| 46450.0 | 48330.0 | 0.511 | 237.6 | -23.2 | -1.37 | 1.475 | 100.3 | 1.136 | -7.026 | 340.7 | 502.0 | 0.954 | NA | 1.71 | 0.495 | 171.5 | 49.9 | -80.1 | 0.503 |
| | | 11.01 | 10.65 | 21.66 | ONE | 19.771 | 197.2 | 64.9 | 17.5 | | | | | | | | | | |
| 46460.0 | 48330.0 | 0.475 | 233.4 | -21.5 | -0.71 | 1.475 | 95.2 | 1.141 | -6.923 | 350.3 | 501.4 | 0.977 | NA | 1.32 | 0.497 | 171.4 | 49.3 | -79.9 | 0.504 |
| | | 10.15 | 10.69 | 20.83 | ONE | 19.771 | 197.2 | 64.9 | 17.4 | | | | | | | | | | |
| 46470.0 | 48330.0 | 0.461 | 227.2 | -19.5 | -0.55 | 1.474 | 89.9 | 1.144 | -6.852 | 0.1 | 141.2 | 0.987D | NA | 1.12 | 0.499 | 171.4 | 49.0 | -79.8 | 0.506 |
| | | 9.81 | 10.72 | 20.53 | ONE | 19.771 | 197.2 | 64.9 | 17.3 | | | | | | | | | | |
| 46480.0 | 48330.0 | 0.473 | 220.5 | -17.2 | -0.45 | 1.473 | 84.5 | 1.144 | -6.810 | 10.3 | 141.2 | 0.980D | NA | 0.99 | 0.500 | 171.4 | 49.1 | -79.8 | 0.507 |
| | | 10.09 | 10.74 | 20.83 | ONE | 19.771 | 197.2 | 64.9 | 17.3 | | | | | | | | | | |
| 46490.0 | 48330.0 | 0.511 | 214.8 | -15.1 | -0.40 | 1.472 | 78.9 | 1.141 | -6.793 | 20.8 | 141.7 | 0.956D | NA | 0.90 | 0.500 | 171.5 | 49.5 | -79.8 | 0.508 |
| | | 11.01 | 10.76 | 21.77 | ONE | 19.771 | 197.2 | 64.9 | 17.3 | | | | | | | | | | |
| 46500.0 | 48330.0 | 0.573 | 211.1 | -13.6 | -0.37 | 1.470 | 73.2 | 1.135 | -6.798 | 31.6 | 142.5 | 0.915D | NA | 0.82 | 0.500 | 171.7 | 50.3 | -80.0 | 0.508 |
| | | 12.52 | 10.77 | 23.29 | ONE | 19.771 | 197.2 | 64.9 | 17.5 | | | | | | | | | | |
| ARRIVAL DATE = 2448430.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 48430.0 | 0.622 | 243.3 | -5.1 | 7.06 | 1.463 | 109.3 | 1.093 | -9.499 | 323.1 | 506.0 | 0.880 | NA | -6.37 | 0.456 | 171.2 | 57.3 | -79.5 | 0.467 |
| | | 13.75 | 9.86 | 23.61 | TWO | 18.476 | 196.3 | 63.8 | 19.4 | | | | | | | | | | |
| 46440.0 | 48430.0 | 0.547 | 237.7 | -27.6 | -2.80 | 1.464 | 104.5 | 1.100 | -9.251 | 332.3 | 504.9 | 0.924 | NA | 3.46 | 0.459 | 171.0 | 50.6 | -80.5 | 0.469 |
| | | 11.89 | 9.90 | 21.79 | ONE | 18.476 | 196.3 | 63.8 | 19.1 | | | | | | | | | | |
| 46450.0 | 48430.0 | 0.495 | 236.1 | -23.3 | -1.19 | 1.464 | 99.6 | 1.106 | -9.058 | 341.7 | 504.2 | 0.958 | NA | 1.82 | 0.462 | 170.9 | 50.3 | -80.2 | 0.471 |
| | | 10.62 | 9.94 | 20.56 | ONE | 18.476 | 196.3 | 63.8 | 18.8 | | | | | | | | | | |
| 46460.0 | 48430.0 | 0.461 | 231.6 | -21.3 | -0.77 | 1.464 | 94.6 | 1.110 | -8.916 | 351.3 | 503.7 | 0.979 | NA | 1.37 | 0.464 | 170.8 | 49.8 | -80.0 | 0.472 |
| | | 9.82 | 9.97 | 19.79 | ONE | 18.476 | 196.3 | 63.8 | 18.6 | | | | | | | | | | |
| 46470.0 | 48430.0 | 0.450 | 225.2 | -19.1 | -0.58 | 1.463 | 89.3 | 1.112 | -8.821 | 1.2 | 143.4 | 0.986D | NA | 1.15 | 0.465 | 170.8 | 49.6 | -79.9 | 0.473 |
| | | 9.55 | 9.99 | 19.54 | ONE | 18.476 | 196.3 | 63.8 | 18.5 | | | | | | | | | | |
| 46480.0 | 48430.0 | 0.465 | 218.6 | -16.7 | -0.48 | 1.462 | 84.0 | 1.112 | -8.769 | 11.5 | 143.5 | 0.978D | NA | 1.01 | 0.466 | 170.9 | 49.7 | -79.9 | 0.474 |
| | | 9.89 | 10.01 | 19.91 | ONE | 18.476 | 196.3 | 63.8 | 18.6 | | | | | | | | | | |
| 46490.0 | 48430.0 | 0.505 | 213.1 | -14.6 | -0.42 | 1.460 | 78.4 | 1.109 | -8.756 | 22.0 | 144.0 | 0.953D | NA | 0.91 | 0.466 | 171.0 | 50.2 | -80.0 | 0.475 |
| | | 10.86 | 10.03 | 20.89 | ONE | 18.476 | 196.3 | 63.8 | 18.7 | | | | | | | | | | |
| 46500.0 | 48430.0 | 0.568 | 209.6 | -13.1 | -0.38 | 1.459 | 72.8 | 1.104 | -8.776 | 32.8 | 144.8 | 0.910D | NA | 0.83 | 0.465 | 171.2 | 51.1 | -80.1 | 0.475 |
| | | 12.40 | 10.04 | 22.44 | ONE | 18.476 | 196.3 | 63.8 | 18.9 | | | | | | | | | | |
| 46510.0 | 48430.0 | 0.648 | 208.2 | -12.4 | -0.36 | 1.457 | 67.0 | 1.096 | -8.824 | 43.9 | 146.0 | 0.850D | NA | 0.76 | 0.465 | 171.5 | 52.6 | -80.2 | 0.476 |
| | | 14.42 | 10.05 | 24.47 | ONE | 18.476 | 196.3 | 63.8 | 19.1 | | | | | | | | | | |
| ARRIVAL DATE = 2448530.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 48530.0 | 0.598 | 241.5 | -8.4 | 5.27 | 1.454 | 108.7 | 1.070 | -12.661 | 323.8 | 507.9 | 0.885 | NA | -4.58 | 0.426 | 170.6 | 57.4 | -79.8 | 0.439 |
| | | 13.16 | 9.24 | 22.40 | TWO | 19.410 | 195.6 | 62.7 | 20.7 | | | | | | | | | | |
| 46440.0 | 48530.0 | 0.534 | 236.2 | -29.2 | -3.44 | 1.454 | 103.9 | 1.076 | -12.281 | 333.1 | 506.9 | 0.928 | NA | 4.10 | 0.429 | 170.4 | 51.0 | -80.7 | 0.441 |
| | | 11.56 | 9.28 | 20.84 | ONE | 19.410 | 195.6 | 62.7 | 20.4 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46450.0 | 48530.0 | 0.482 | 234.7 | -23.5 | -1.31 | 1.455 | 99.1 | 1.080 | -11.990 | 342.6 | 506.2 | 0.960 | NA | 1.94 | 0.431 | 170.3 | 51.0 | -80.3 | 0.442 |
| | | 10.30 | 9.31 | 19.61 | ONE | 19.410 | 195.6 | 62.7 | 20.1 | | | | | | | | | | |
| 46460.0 | 48530.0 | 0.450 | 229.9 | -21.1 | -0.83 | 1.454 | 94.0 | 1.083 | -11.781 | 352.3 | 505.7 | 0.980 | NA | 1.42 | 0.433 | 170.3 | 50.5 | -80.1 | 0.443 |
| | | 9.55 | 9.34 | 18.89 | ONE | 19.410 | 195.6 | 62.7 | 19.9 | | | | | | | | | | |
| 46470.0 | 48530.0 | 0.440 | 223.5 | -18.8 | -0.62 | 1.454 | 88.8 | 1.085 | -11.647 | 2.2 | 145.6 | 0.9860 | NA | 1.18 | 0.434 | 170.2 | 50.3 | -80.0 | 0.444 |
| | | 9.34 | 9.36 | 18.70 | ONE | 19.410 | 195.6 | 62.7 | 19.9 | | | | | | | | | | |
| 46480.0 | 48530.0 | 0.458 | 216.9 | -16.3 | -0.51 | 1.453 | 83.5 | 1.084 | -11.580 | 12.5 | 145.7 | 0.9760 | NA | 1.03 | 0.435 | 170.3 | 50.5 | -80.0 | 0.445 |
| | | 9.74 | 9.38 | 19.11 | ONE | 19.410 | 195.6 | 62.7 | 19.9 | | | | | | | | | | |
| 46490.0 | 48530.0 | 0.500 | 211.6 | -14.2 | -0.44 | 1.451 | 78.0 | 1.082 | -11.575 | 23.0 | 146.1 | 0.9500 | NA | 0.92 | 0.435 | 170.4 | 51.1 | -80.1 | 0.446 |
| | | 10.74 | 9.39 | 20.13 | ONE | 19.410 | 195.6 | 62.7 | 20.0 | | | | | | | | | | |
| 46500.0 | 48530.0 | 0.564 | 208.4 | -12.7 | -0.40 | 1.449 | 72.4 | 1.078 | -11.623 | 33.8 | 146.9 | 0.9060 | NA | 0.84 | 0.434 | 170.7 | 52.1 | -80.2 | 0.446 |
| | | 12.30 | 9.40 | 21.70 | ONE | 19.410 | 195.6 | 62.7 | 20.2 | | | | | | | | | | |
| 46510.0 | 48530.0 | 0.644 | 207.2 | -12.1 | -0.38 | 1.447 | 66.7 | 1.072 | -11.717 | 44.9 | 148.1 | 0.8460 | NA | 0.77 | 0.434 | 171.0 | 53.7 | -80.4 | 0.447 |
| | | 14.37 | 9.41 | 23.73 | ONE | 19.410 | 195.6 | 62.7 | 20.5 | | | | | | | | | | |
| ARRIVAL DATE = 2448630.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 48630.0 | 0.640 | 237.2 | -16.9 | 1.45 | 1.445 | 112.8 | 1.045 | -18.501 | 315.4 | 510.7 | 0.839 | NA | -0.73 | 0.396 | 170.2 | 58.5 | -80.6 | 0.411 |
| | | 14.23 | 8.67 | 22.89 | TWO | 20.488 | 194.9 | 61.6 | 22.5 | | | | | | | | | | |
| 46430.0 | 48630.0 | 0.581 | 240.3 | -10.3 | 4.26 | 1.446 | 108.2 | 1.050 | -17.671 | 324.5 | 509.7 | 0.890 | NA | -3.58 | 0.399 | 170.0 | 58.0 | -80.0 | 0.413 |
| | | 12.73 | 8.71 | 21.44 | TWO | 20.488 | 194.9 | 61.6 | 22.1 | | | | | | | | | | |
| 46440.0 | 48630.0 | 0.524 | 234.7 | -31.6 | -4.36 | 1.447 | 103.4 | 1.055 | -17.028 | 333.8 | 508.8 | 0.932 | NA | 5.01 | 0.402 | 169.8 | 51.3 | -81.0 | 0.415 |
| | | 11.32 | 8.74 | 20.06 | ONE | 20.488 | 194.9 | 61.6 | 21.8 | | | | | | | | | | |
| 46450.0 | 48630.0 | 0.470 | 233.4 | -23.8 | -1.46 | 1.447 | 98.6 | 1.058 | -16.546 | 343.3 | 508.1 | 0.963 | NA | 2.08 | 0.404 | 169.7 | 51.8 | -80.5 | 0.416 |
| | | 10.03 | 8.77 | 18.80 | ONE | 20.488 | 194.9 | 61.6 | 21.5 | | | | | | | | | | |
| 46460.0 | 48630.0 | 0.440 | 228.5 | -21.0 | -0.89 | 1.446 | 93.6 | 1.061 | -16.209 | 353.1 | 507.7 | 0.981 | NA | 1.48 | 0.405 | 169.6 | 51.4 | -80.3 | 0.417 |
| | | 9.33 | 8.79 | 18.12 | ONE | 20.488 | 194.9 | 61.6 | 21.3 | | | | | | | | | | |
| 46470.0 | 48630.0 | 0.433 | 222.0 | -18.5 | -0.66 | 1.446 | 88.4 | 1.062 | -16.002 | 3.1 | 147.5 | 0.9860 | NA | 1.21 | 0.406 | 169.6 | 51.2 | -80.2 | 0.418 |
| | | 9.17 | 8.81 | 17.97 | ONE | 20.488 | 194.9 | 61.6 | 21.2 | | | | | | | | | | |
| 46480.0 | 48630.0 | 0.452 | 215.4 | -15.9 | -0.54 | 1.444 | 83.1 | 1.061 | -15.911 | 13.3 | 147.7 | 0.9750 | NA | 1.05 | 0.407 | 169.7 | 51.4 | -80.2 | 0.419 |
| | | 9.61 | 8.82 | 18.43 | ONE | 20.488 | 194.9 | 61.6 | 21.2 | | | | | | | | | | |
| 46490.0 | 48630.0 | 0.496 | 210.4 | -13.8 | -0.46 | 1.443 | 77.7 | 1.059 | -15.926 | 23.9 | 148.2 | 0.9470 | NA | 0.93 | 0.407 | 169.9 | 52.1 | -80.3 | 0.419 |
| | | 10.64 | 8.83 | 19.47 | ONE | 20.488 | 194.9 | 61.6 | 21.4 | | | | | | | | | | |
| 46500.0 | 48630.0 | 0.561 | 207.4 | -12.4 | -0.42 | 1.441 | 72.2 | 1.056 | -16.035 | 34.7 | 148.9 | 0.9030 | NA | 0.84 | 0.406 | 170.1 | 53.3 | -80.4 | 0.420 |
| | | 12.22 | 8.84 | 21.06 | ONE | 20.488 | 194.9 | 61.6 | 21.6 | | | | | | | | | | |
| 46510.0 | 48630.0 | 0.640 | 206.4 | -11.8 | -0.40 | 1.439 | 66.5 | 1.052 | -16.224 | 45.7 | 150.1 | 0.8420 | NA | 0.77 | 0.405 | 170.4 | 55.0 | -80.6 | 0.420 |
| | | 14.23 | 8.85 | 23.08 | ONE | 20.488 | 194.9 | 61.6 | 21.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448730.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 48730.0 | 0.628 | 236.7 | -16.9 | 1.40 | 1.438 | 112.4 | 1.030 | -28.446 | 315.9 | 512.4 | 0.843 | NA | -0.68 | 0.371 | 169.6 | 60.0 | -80.8 | 0.388 |
| | | 13.92 | 8.20 | 22.12 | TWO | 19.329 | 194.2 | 60.6 | 23.9 | | | | | | | | | | |
| 46430.0 | 48730.0 | 0.568 | 239.4 | -11.5 | 3.62 | 1.439 | 107.8 | 1.033 | -26.732 | 325.1 | 511.4 | 0.893 | NA | -2.94 | 0.374 | 169.4 | 59.0 | -80.2 | 0.390 |
| | | 12.40 | 8.23 | 20.63 | TWO | 19.329 | 194.2 | 60.6 | 23.5 | | | | | | | | | | |
| 46440.0 | 48730.0 | 0.520 | 232.9 | -35.4 | -5.80 | 1.440 | 103.0 | 1.037 | -25.449 | 334.5 | 510.5 | 0.934 | NA | 6.45 | 0.376 | 169.2 | 51.5 | -81.4 | 0.392 |
| | | 11.20 | 8.27 | 19.47 | ONE | 19.329 | 194.2 | 60.6 | 23.2 | | | | | | | | | | |
| 46450.0 | 48730.0 | 0.461 | 232.2 | -24.1 | -1.63 | 1.440 | 98.2 | 1.039 | -24.518 | 344.0 | 509.9 | 0.965 | NA | 2.24 | 0.378 | 169.1 | 52.8 | -80.7 | 0.393 |
| | | 9.81 | 8.29 | 18.09 | ONE | 19.329 | 194.2 | 60.6 | 22.8 | | | | | | | | | | |
| 46460.0 | 48730.0 | 0.432 | 227.2 | -21.0 | -0.97 | 1.440 | 93.2 | 1.041 | -23.888 | 353.8 | 509.5 | 0.982 | NA | 1.54 | 0.380 | 169.0 | 52.5 | -80.5 | 0.393 |
| | | 9.14 | 8.30 | 17.44 | ONE | 19.329 | 194.2 | 60.6 | 22.7 | | | | | | | | | | |
| 46470.0 | 48730.0 | 0.426 | 220.6 | -18.3 | -0.70 | 1.439 | 88.0 | 1.042 | -23.518 | 3.8 | 149.4 | 0.9850 | NA | 1.24 | 0.381 | 169.0 | 52.3 | -80.4 | 0.394 |
| | | 9.02 | 8.32 | 17.34 | ONE | 19.329 | 194.2 | 60.6 | 22.6 | | | | | | | | | | |
| 46480.0 | 48730.0 | 0.447 | 214.2 | -15.6 | -0.57 | 1.437 | 82.8 | 1.042 | -23.381 | 14.1 | 149.6 | 0.9730 | NA | 1.07 | 0.381 | 169.1 | 52.6 | -80.4 | 0.395 |
| | | 9.50 | 8.33 | 17.83 | ONE | 19.329 | 194.2 | 60.6 | 22.6 | | | | | | | | | | |
| 46490.0 | 48730.0 | 0.493 | 209.4 | -13.5 | -0.49 | 1.436 | 77.4 | 1.040 | -23.453 | 24.6 | 150.0 | 0.9450 | NA | 0.95 | 0.381 | 169.2 | 53.4 | -80.4 | 0.395 |
| | | 10.56 | 8.34 | 18.90 | ONE | 19.329 | 194.2 | 60.6 | 22.8 | | | | | | | | | | |
| 46500.0 | 48730.0 | 0.558 | 206.6 | -12.1 | -0.44 | 1.434 | 72.0 | 1.038 | -23.714 | 35.4 | 150.8 | 0.9000 | NA | 0.85 | 0.380 | 169.5 | 54.7 | -80.6 | 0.396 |
| | | 12.14 | 8.35 | 20.49 | ONE | 19.329 | 194.2 | 60.6 | 23.0 | | | | | | | | | | |
| 46510.0 | 48730.0 | 0.637 | 205.8 | -11.6 | -0.41 | 1.432 | 66.4 | 1.035 | -24.144 | 46.4 | 151.9 | 0.8390 | NA | 0.77 | 0.379 | 169.8 | 56.6 | -80.7 | 0.396 |
| | | 14.15 | 8.36 | 22.50 | ONE | 19.329 | 194.2 | 60.6 | 23.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448830.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 48830.0 | 0.618 | 236.4 | -16.9 | 1.35 | 1.432 | 112.0 | 1.016 | -52.964 | 316.3 | 513.9 | 0.847 | NA | -0.64 | 0.348 | 168.9 | 61.7 | -80.9 | 0.367 |
| | | 13.66 | 7.79 | 21.45 | TWO | 18.574 | 193.6 | 59.5 | 25.3 | | | | | | | | | | |
| 46430.0 | 48830.0 | 0.557 | 238.7 | -12.3 | 3.17 | 1.433 | 107.4 | 1.019 | -47.858 | 325.5 | 513.0 | 0.896 | NA | -2.49 | 0.351 | 168.7 | 60.4 | -80.4 | 0.369 |
| | | 12.12 | 7.82 | 19.94 | TWO | 18.574 | 193.6 | 59.5 | 24.9 | | | | | | | | | | |
| 46440.0 | 48830.0 | 0.526 | 230.5 | -42.2 | -8.39 | 1.434 | 102.6 | 1.021 | -44.303 | 335.0 | 512.2 | 0.937 | NA | 9.03 | 0.353 | 168.5 | 51.1 | -82.1 | 0.371 |
| | | 11.35 | 7.85 | 19.20 | ONE | 18.574 | 193.6 | 59.5 | 24.7 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46450.0 | 48830.0 | 0.453 | 231.2 | -24.6 | -1.83 | 1.434 | 97.8 | 1.023 | -41.870 | 344.6 | 511.6 | 0.966 | NA | 2.43 | 0.355 | 168.4 | 54.1 | -80.9 | 0.371 |
| | | 9.62 | 7.86 | 17.48 | ONE | 18.574 | 193.6 | 59.5 | 24.3 | | | | | | | | | | |
| 46460.0 | 48830.0 | 0.425 | 226.1 | -21.0 | -1.04 | 1.434 | 92.8 | 1.024 | -40.300 | 354.4 | 511.3 | 0.983 | NA | 1.61 | 0.357 | 168.3 | 53.8 | -80.6 | 0.372 |
| | | 8.98 | 7.88 | 16.86 | ONE | 18.574 | 193.6 | 59.5 | 24.1 | | | | | | | | | | |
| 46470.0 | 48830.0 | 0.421 | 219.5 | -18.1 | -0.75 | 1.433 | 87.7 | 1.025 | -39.435 | 4.4 | 151.2 | 0.985D | NA | 1.28 | 0.357 | 168.3 | 53.7 | -80.6 | 0.373 |
| | | 8.90 | 7.89 | 16.79 | ONE | 18.574 | 193.6 | 59.5 | 24.0 | | | | | | | | | | |
| 46480.0 | 48830.0 | 0.443 | 213.2 | -15.4 | -0.60 | 1.431 | 82.5 | 1.025 | -39.175 | 14.7 | 151.3 | 0.972D | NA | 1.09 | 0.358 | 168.4 | 54.1 | -80.6 | 0.373 |
| | | 9.41 | 7.90 | 17.30 | ONE | 18.574 | 193.6 | 59.5 | 24.1 | | | | | | | | | | |
| 46490.0 | 48830.0 | 0.490 | 208.5 | -13.2 | -0.51 | 1.430 | 77.2 | 1.024 | -39.459 | 25.2 | 151.8 | 0.943D | NA | 0.96 | 0.357 | 168.6 | 54.9 | -80.6 | 0.373 |
| | | 10.48 | 7.91 | 18.39 | ONE | 18.574 | 193.6 | 59.5 | 24.2 | | | | | | | | | | |
| 46500.0 | 48830.0 | 0.555 | 205.9 | -11.9 | -0.46 | 1.428 | 71.8 | 1.022 | -40.249 | 36.0 | 152.5 | 0.897D | NA | 0.86 | 0.357 | 168.9 | 56.4 | -80.8 | 0.374 |
| | | 12.07 | 7.91 | 19.98 | ONE | 18.574 | 193.6 | 59.5 | 24.5 | | | | | | | | | | |
| 46510.0 | 48830.0 | 0.634 | 205.3 | -11.4 | -0.43 | 1.426 | 66.2 | 1.020 | -41.519 | 47.0 | 153.6 | 0.836D | NA | 0.78 | 0.356 | 169.2 | 58.5 | -80.9 | 0.374 |
| | | 14.07 | 7.92 | 21.99 | ONE | 18.574 | 193.6 | 59.5 | 24.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448930.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 48930.0 | 0.609 | 236.1 | -16.9 | 1.32 | 1.428 | 111.7 | 1.004 | ******* | 316.7 | 515.4 | 0.849 | NA | -0.60 | 0.327 | 168.2 | 63.8 | -81.1 | 0.348 |
| | | 13.44 | 7.42 | 20.86 | TWO | 19.980 | 193.0 | 58.4 | 26.8 | | | | | | | | | | |
| 46430.0 | 48930.0 | 0.548 | 238.1 | -13.0 | 2.84 | 1.428 | 107.1 | 1.006 | ******* | 325.9 | 514.5 | 0.899 | NA | -2.16 | 0.330 | 168.0 | 62.1 | -80.6 | 0.349 |
| | | 11.90 | 7.45 | 19.34 | TWO | 19.980 | 193.0 | 58.4 | 26.4 | | | | | | | | | | |
| 46440.0 | 48930.0 | 0.571 | 225.9 | -56.4 | -14.35 | 1.429 | 102.3 | 1.008 | ******* | 335.4 | 513.7 | 0.939 | NA | 14.99 | 0.332 | 167.8 | 48.1 | -83.4 | 0.352 |
| | | 12.48 | 7.50 | 19.98 | ONE | 19.980 | 193.0 | 58.4 | 26.5 | | | | | | | | | | |
| 46450.0 | 48930.0 | 0.446 | 230.2 | -25.2 | -2.06 | 1.429 | 97.5 | 1.009 | ******* | 345.1 | 513.2 | 0.967 | NA | 2.66 | 0.334 | 167.7 | 55.6 | -81.1 | 0.351 |
| | | 9.47 | 7.49 | 16.95 | ONE | 19.980 | 193.0 | 58.4 | 25.7 | | | | | | | | | | |
| 46460.0 | 48930.0 | 0.419 | 225.2 | -21.1 | -1.13 | 1.428 | 92.6 | 1.010 | -99.138 | 354.9 | 512.9 | 0.983 | NA | 1.69 | 0.335 | 167.6 | 55.4 | -80.9 | 0.352 |
| | | 8.85 | 7.50 | 16.35 | ONE | 19.980 | 193.0 | 58.4 | 25.5 | | | | | | | | | | |
| 46470.0 | 48930.0 | 0.416 | 218.6 | -18.0 | -0.79 | 1.428 | 87.5 | 1.010 | -94.871 | 5.0 | 152.8 | 0.985D | NA | 1.32 | 0.336 | 167.6 | 55.3 | -80.8 | 0.353 |
| | | 8.80 | 7.51 | 16.31 | ONE | 19.980 | 193.0 | 58.4 | 25.5 | | | | | | | | | | |
| 46480.0 | 48930.0 | 0.440 | 212.3 | -15.2 | -0.63 | 1.426 | 82.3 | 1.010 | -93.932 | 15.3 | 153.0 | 0.971D | NA | 1.11 | 0.336 | 167.7 | 55.8 | -80.8 | 0.353 |
| | | 9.32 | 7.52 | 16.84 | ONE | 19.980 | 193.0 | 58.4 | 25.5 | | | | | | | | | | |
| 46490.0 | 48930.0 | 0.487 | 207.8 | -13.1 | -0.53 | 1.425 | 77.1 | 1.010 | -95.922 | 25.8 | 153.4 | 0.941D | NA | 0.97 | 0.336 | 167.9 | 56.7 | -80.8 | 0.354 |
| | | 10.42 | 7.53 | 17.94 | ONE | 19.980 | 193.0 | 58.4 | 25.7 | | | | | | | | | | |
| 46500.0 | 48930.0 | 0.552 | 205.4 | -11.8 | -0.48 | 1.423 | 71.7 | 1.009 | ******* | 36.5 | 154.2 | 0.895D | NA | 0.87 | 0.335 | 168.2 | 58.3 | -81.0 | 0.354 |
| | | 12.00 | 7.53 | 19.54 | ONE | 19.980 | 193.0 | 58.4 | 26.0 | | | | | | | | | | |
| 46510.0 | 48930.0 | 0.631 | 204.9 | -11.3 | -0.44 | 1.420 | 66.2 | 1.008 | ******* | 47.5 | 155.2 | 0.834D | NA | 0.78 | 0.334 | 168.6 | 60.6 | -81.1 | 0.354 |
| | | 13.99 | 7.54 | 21.53 | ONE | 19.980 | 193.0 | 58.4 | 26.4 | | | | | | | | | | |
| ARRIVAL DATE = 2449030.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 49030.0 | 0.602 | 235.8 | -16.8 | 1.28 | 1.423 | 111.5 | 0.994 | 134.625 | 316.9 | 516.8 | 0.852 | 268.399A | -0.57 | 0.308 | 167.5 | 66.2 | -81.3 | 0.331 |
| | | 13.26 | 7.10 | 20.36 | TWO | 20.397 | 192.5 | 57.3 | 28.3 | | | | | | | | | | |
| 46430.0 | 49030.0 | 0.540 | 237.7 | -13.4 | 2.59 | 1.424 | 106.8 | 0.995 | 172.783 | 326.2 | 515.9 | 0.901 | 344.666A | -1.91 | 0.310 | 167.3 | 64.2 | -80.8 | 0.332 |
| | | 11.71 | 7.12 | 18.83 | TWO | 20.397 | 192.5 | 57.3 | 27.9 | | | | | | | | | | |
| 46450.0 | 49030.0 | 0.441 | 229.4 | -26.0 | -2.34 | 1.425 | 97.3 | 0.997 | 294.215 | 345.4 | 514.7 | 0.968 | 587.461A | 2.94 | 0.314 | 166.9 | 57.3 | -81.4 | 0.334 |
| | | 9.34 | 7.15 | 16.50 | ONE | 20.397 | 192.5 | 57.3 | 27.7 | | | | | | | | | | |
| 46460.0 | 49030.0 | 0.414 | 224.4 | -21.3 | -1.22 | 1.424 | 92.3 | 0.997 | 372.057 | 355.3 | 514.4 | 0.983 | 743.130A | 1.78 | 0.315 | 166.9 | 57.2 | -81.1 | 0.334 |
| | | 8.74 | 7.16 | 15.90 | ONE | 20.397 | 192.5 | 57.3 | 27.0 | | | | | | | | | | |
| 46470.0 | 49030.0 | 0.412 | 217.8 | -18.0 | -0.84 | 1.423 | 87.3 | 0.998 | 433.393 | 5.4 | 154.4 | 0.984D | 865.802A | 1.36 | 0.316 | 166.9 | 57.2 | -81.0 | 0.335 |
| | | 8.71 | 7.17 | 15.88 | ONE | 20.397 | 192.5 | 57.3 | 27.0 | | | | | | | | | | |
| 46480.0 | 49030.0 | 0.437 | 211.6 | -15.1 | -0.66 | 1.422 | 82.2 | 0.998 | 444.354 | 15.7 | 154.6 | 0.970D | 887.738A | 1.14 | 0.316 | 167.0 | 57.7 | -81.0 | 0.335 |
| | | 9.25 | 7.18 | 16.43 | ONE | 20.397 | 192.5 | 57.3 | 27.0 | | | | | | | | | | |
| 46490.0 | 49030.0 | 0.484 | 207.2 | -12.9 | -0.56 | 1.420 | 76.9 | 0.998 | 400.514 | 26.2 | 155.0 | 0.940D | 800.088A | 0.99 | 0.316 | 167.2 | 58.8 | -81.0 | 0.336 |
| | | 10.35 | 7.19 | 17.54 | ONE | 20.397 | 192.5 | 57.3 | 27.2 | | | | | | | | | | |
| 46500.0 | 49030.0 | 0.549 | 204.9 | -11.7 | -0.50 | 1.418 | 71.6 | 0.997 | 331.583 | 36.9 | 155.7 | 0.894D | 662.273A | 0.88 | 0.315 | 167.5 | 60.6 | -81.2 | 0.336 |
| | | 11.94 | 7.20 | 19.13 | ONE | 20.397 | 192.5 | 57.3 | 27.5 | | | | | | | | | | |
| 46510.0 | 49030.0 | 0.628 | 204.6 | -11.2 | -0.46 | 1.416 | 66.1 | 0.997 | 265.641 | 47.8 | 156.6 | 0.833D | 530.449A | 0.79 | 0.314 | 167.9 | 63.1 | -81.3 | 0.336 |
| | | 13.91 | 7.21 | 21.12 | ONE | 20.397 | 192.5 | 57.3 | 27.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449130.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 49130.0 | 0.596 | 235.7 | -16.9 | 1.25 | 1.419 | 111.3 | 0.985 | 55.278 | 317.1 | 518.1 | 0.853 | 109.703A | -0.54 | 0.290 | 166.7 | 69.0 | -81.4 | 0.315 |
| | | 13.11 | 6.81 | 19.92 | TWO | 18.931 | 191.9 | 56.2 | 29.9 | | | | | | | | | | |
| 46430.0 | 49130.0 | 0.534 | 237.3 | -13.8 | 2.39 | 1.420 | 106.6 | 0.985 | 60.251 | 326.5 | 517.3 | 0.902 | 119.600A | -1.72 | 0.292 | 166.5 | 66.7 | -81.0 | 0.316 |
| | | 11.56 | 6.83 | 18.39 | TWO | 18.931 | 191.9 | 56.2 | 29.4 | | | | | | | | | | |
| 46450.0 | 49130.0 | 0.436 | 228.6 | -27.1 | -2.69 | 1.421 | 97.1 | 0.986 | 69.250 | 345.7 | 516.1 | 0.969 | 137.531A | 3.28 | 0.296 | 166.2 | 59.4 | -81.7 | 0.317 |
| | | 9.25 | 6.86 | 16.11 | ONE | 18.931 | 191.9 | 56.2 | 28.8 | | | | | | | | | | |
| 46460.0 | 49130.0 | 0.410 | 223.7 | -21.5 | -1.32 | 1.420 | 92.2 | 0.986 | 72.403 | 355.6 | 515.9 | 0.984 | 143.822A | 1.88 | 0.297 | 166.1 | 59.4 | -81.4 | 0.318 |
| | | 8.65 | 6.87 | 15.51 | ONE | 18.931 | 191.9 | 56.2 | 28.6 | | | | | | | | | | |

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| DEPART | ARRIVE | SPLED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46470.0 | 49130.0 | 0.409<br>8.63 | 217.1<br>6.88 | -18.0<br>15.51 | -0.90<br>ONE | 1.419<br>18.931 | 87.2<br>191.9 | 0.987<br>56.2 | 74.128<br>28.5 | 5.7 | 155.8 | 0.984D | 147.271A | 1.41 | 0.298 | 166.1 | 59.5 | -81.2 | 0.318 |
| 46480.0 | 49130.0 | 0.434<br>9.19 | 211.0<br>6.88 | -15.0<br>16.07 | -0.70<br>ONE | 1.418<br>18.931 | 82.0<br>191.9 | 0.987<br>56.2 | 74.238<br>28.6 | 16.0 | 156.0 | 0.969D | 147.506A | 1.16 | 0.298 | 166.2 | 60.0 | -81.2 | 0.319 |
| 46490.0 | 49130.0 | 0.481<br>10.29 | 206.7<br>6.89 | -12.8<br>17.18 | -0.58<br>ONE | 1.416<br>18.931 | 76.8<br>191.9 | 0.987<br>56.2 | 72.815<br>28.8 | 26.5 | 156.4 | 0.939D | 144.691A | 1.00 | 0.297 | 166.4 | 61.3 | -81.3 | 0.319 |
| 46500.0 | 49130.0 | 0.547<br>11.87 | 204.6<br>6.90 | -11.6<br>18.77 | -0.52<br>ONE | 1.414<br>18.931 | 71.5<br>191.9 | 0.987<br>56.2 | 70.167<br>29.1 | 37.2 | 157.1 | 0.893D | 139.440A | 0.89 | 0.296 | 166.7 | 63.2 | -81.4 | 0.319 |
| 46510.0 | 49130.0 | 0.625<br>13.83 | 204.3<br>6.91 | -11.2<br>20.74 | -0.48<br>ONE | 1.412<br>18.931 | 66.1<br>191.9 | 0.988<br>56.2 | 66.729<br>29.5 | 48.0 | 158.0 | 0.832D | 132.625A | 0.79 | 0.295 | 167.1 | 65.9 | -81.6 | 0.320 |
| ARRIVAL DATE = 2449230.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 49230.0 | 0.591<br>12.98 | 235.5<br>6.56 | -16.9<br>19.54 | 1.22<br>TWO | 1.416<br>18.923 | 111.1<br>191.5 | 0.977<br>55.1 | 36.475<br>31.5 | 317.2 | 519.4 | 0.855 | 72.096A | -0.51 | 0.273 | 166.0 | 72.2 | -81.6 | 0.300 |
| 46430.0 | 49230.0 | 0.529<br>11.43 | 237.1<br>6.57 | -14.1<br>18.00 | 2.23<br>TWO | 1.417<br>18.923 | 106.5<br>191.5 | 0.976<br>55.1 | 38.388<br>31.0 | 326.6 | 518.6 | 0.903 | 75.872A | -1.56 | 0.276 | 165.7 | 69.5 | -81.2 | 0.301 |
| 46440.0 | 49230.0 | 0.564<br>12.29 | 246.4<br>6.61 | -18.4<br>18.90 | 14.96<br>TWO | 1.417<br>18.923 | 101.8<br>191.5 | 0.977<br>55.1 | 40.104<br>31.1 | 336.2 | 517.9 | 0.942 | 79.266A | -14.33 | 0.278 | 165.5 | 74.3 | -78.4 | 0.303 |
| 46450.0 | 49230.0 | 0.433<br>9.18 | 227.8<br>6.60 | -28.4<br>15.78 | -3.12<br>ONE | 1.417<br>18.923 | 96.9<br>191.5 | 0.977<br>55.1 | 41.509<br>30.4 | 346.0 | 517.5 | 0.969 | 82.049A | 3.71 | 0.279 | 165.3 | 61.8 | -82.1 | 0.302 |
| 46460.0 | 49230.0 | 0.406<br>8.57 | 223.2<br>6.61 | -21.8<br>15.17 | -1.44<br>ONE | 1.417<br>18.923 | 92.0<br>191.5 | 0.977<br>55.1 | 42.498<br>30.2 | 355.9 | 517.2 | 0.984 | 84.011A | 1.99 | 0.280 | 165.3 | 62.0 | -81.6 | 0.303 |
| 46470.0 | 49230.0 | 0.406<br>8.56 | 216.6<br>6.61 | -18.0<br>15.17 | -0.96<br>ONE | 1.416<br>18.923 | 87.0<br>191.5 | 0.977<br>55.1 | 42.997<br>30.1 | 6.0 | 157.2 | 0.984D | 85.010A | 1.46 | 0.281 | 165.3 | 62.1 | -81.5 | 0.303 |
| 46480.0 | 49230.0 | 0.431<br>9.13 | 210.6<br>6.62 | -15.0<br>15.75 | -0.73<br>ONE | 1.414<br>18.923 | 82.0<br>191.5 | 0.977<br>55.1 | 42.982<br>30.2 | 16.3 | 157.4 | 0.969D | 84.996A | 1.19 | 0.281 | 165.4 | 62.7 | -81.5 | 0.303 |
| 46490.0 | 49230.0 | 0.479<br>10.23 | 206.4<br>6.63 | -12.8<br>16.86 | -0.61<br>ONE | 1.413<br>18.923 | 76.8<br>191.5 | 0.978<br>55.1 | 42.484<br>30.4 | 26.7 | 157.8 | 0.938D | 84.029A | 1.02 | 0.280 | 165.6 | 64.0 | -81.5 | 0.304 |
| 46500.0 | 49230.0 | 0.544<br>11.81 | 204.3<br>6.63 | -11.6<br>18.44 | -0.54<br>ONE | 1.411<br>18.923 | 71.5<br>191.5 | 0.979<br>55.1 | 41.578<br>30.7 | 37.4 | 158.4 | 0.892D | 82.264A | 0.90 | 0.279 | 166.0 | 66.2 | -81.6 | 0.304 |
| 46510.0 | 49230.0 | 0.622<br>13.75 | 204.2<br>6.64 | -11.2<br>20.40 | -0.49<br>ONE | 1.408<br>18.923 | 66.2<br>191.5 | 0.979<br>55.1 | 40.375<br>31.2 | 48.2 | 159.3 | 0.832D | 79.919A | 0.80 | 0.278 | 166.4 | 69.1 | -81.8 | 0.305 |
| ARRIVAL DATE = 2449330.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 49330.0 | 0.587<br>12.88 | 235.5<br>6.33 | -16.9<br>19.21 | 1.20<br>TWO | 1.413<br>20.432 | 111.0<br>191.0 | 0.970<br>54.0 | 28.092<br>33.2 | 317.3 | 520.5 | 0.855 | 55.329A | -0.49 | 0.258 | 165.1 | 75.8 | -81.8 | 0.286 |
| 46430.0 | 49330.0 | 0.525<br>11.33 | 236.9<br>6.34 | -14.4<br>17.67 | 2.09<br>TWO | 1.414<br>20.432 | 106.4<br>191.0 | 0.969<br>54.0 | 29.119<br>32.7 | 326.7 | 519.8 | 0.904 | 57.334A | -1.43 | 0.260 | 164.8 | 72.7 | -81.4 | 0.287 |
| 46440.0 | 49330.0 | 0.506<br>10.89 | 241.6<br>6.36 | 6.3<br>17.25 | 9.43<br>TWO | 1.414<br>20.432 | 101.7<br>191.0 | 0.969<br>54.0 | 30.012<br>32.4 | 336.3 | 519.2 | 0.943 | 59.081A | -8.81 | 0.262 | 164.6 | 74.1 | -79.6 | 0.288 |
| 46450.0 | 49330.0 | 0.432<br>9.14 | 227.0<br>6.37 | -30.2<br>15.51 | -3.69<br>ONE | 1.414<br>20.432 | 96.8<br>191.0 | 0.968<br>54.0 | 30.720<br>32.0 | 346.1 | 518.8 | 0.970 | 60.470A | 4.27 | 0.263 | 164.5 | 64.6 | -82.4 | 0.288 |
| 46460.0 | 49330.0 | 0.403<br>8.50 | 222.7<br>6.37 | -22.2<br>14.87 | -1.57<br>ONE | 1.414<br>20.432 | 91.9<br>191.0 | 0.968<br>54.0 | 31.202<br>31.8 | 356.1 | 518.5 | 0.984 | 61.420A | 2.11 | 0.264 | 164.4 | 64.9 | -81.9 | 0.289 |
| 46470.0 | 49330.0 | 0.403<br>8.50 | 216.3<br>6.38 | -18.1<br>14.88 | -1.02<br>ONE | 1.413<br>20.432 | 87.0<br>191.0 | 0.969<br>54.0 | 31.432<br>31.7 | 6.2 | 158.5 | 0.984D | 61.880A | 1.51 | 0.265 | 164.5 | 65.0 | -81.7 | 0.289 |
| 46480.0 | 49330.0 | 0.429<br>9.07 | 210.3<br>6.38 | -15.0<br>15.45 | -0.77<br>ONE | 1.411<br>20.432 | 81.9<br>191.0 | 0.969<br>54.0 | 31.403<br>31.8 | 16.4 | 158.7 | 0.969D | 61.838A | 1.22 | 0.265 | 164.6 | 65.8 | -81.7 | 0.289 |
| 46490.0 | 49330.0 | 0.477<br>10.18 | 206.2<br>6.39 | -12.8<br>16.57 | -0.64<br>ONE | 1.409<br>20.432 | 76.8<br>191.0 | 0.970<br>54.0 | 31.132<br>32.0 | 26.9 | 159.1 | 0.938D | 61.326A | 1.04 | 0.264 | 164.8 | 67.2 | -81.7 | 0.290 |
| 46500.0 | 49330.0 | 0.541<br>11.74 | 204.2<br>6.40 | -11.5<br>18.14 | -0.56<br>ONE | 1.407<br>20.432 | 71.5<br>191.0 | 0.971<br>54.0 | 30.652<br>32.4 | 37.5 | 159.7 | 0.892D | 60.411A | 0.91 | 0.263 | 165.1 | 69.5 | -81.8 | 0.290 |
| 46510.0 | 49330.0 | 0.619<br>13.67 | 204.1<br>6.41 | -11.2<br>20.08 | -0.51<br>ONE | 1.405<br>20.432 | 66.2<br>191.0 | 0.972<br>54.0 | 30.011<br>32.8 | 48.3 | 160.5 | 0.832D | 59.191A | 0.80 | 0.262 | 165.6 | 72.7 | -81.9 | 0.291 |
| ARRIVAL DATE = 2449430.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 49430.0 | 0.584<br>12.80 | 235.5<br>6.13 | -17.0<br>18.93 | 1.17<br>TWO | 1.411<br>20.084 | 110.9<br>190.6 | 0.963<br>52.9 | 23.369<br>34.9 | 317.3 | 521.7 | 0.856 | 45.881A | -0.47 | 0.243 | 164.2 | 79.8 | -81.9 | 0.274 |
| 46430.0 | 49430.0 | 0.521<br>11.24 | 236.8<br>6.14 | -14.7<br>17.38 | 1.98<br>TWO | 1.411<br>20.084 | 106.3<br>190.6 | 0.962<br>52.9 | 24.019<br>34.4 | 326.8 | 520.9 | 0.905 | 47.134A | -1.31 | 0.245 | 163.9 | 76.4 | -81.6 | 0.275 |
| 46440.0 | 49430.0 | 0.486<br>10.40 | 240.5<br>6.15 | 0.1<br>16.55 | 6.27<br>TWO | 1.412<br>20.084 | 101.6<br>190.6 | 0.962<br>52.9 | 24.474<br>34.0 | 336.4 | 520.4 | 0.943 | 48.209A | -6.35 | 0.247 | 163.7 | 76.1 | -80.2 | 0.275 |
| 46450.0 | 49430.0 | 0.432<br>9.14 | 226.2<br>6.16 | -32.6<br>15.30 | -4.45<br>ONE | 1.412<br>20.084 | 96.8<br>190.6 | 0.961<br>52.9 | 25.006<br>33.7 | 346.2 | 520.0 | 0.970 | 49.043A | 5.03 | 0.249 | 163.6 | 67.9 | -82.9 | 0.276 |
| 46460.0 | 49430.0 | 0.400<br>8.45 | 222.4<br>6.16 | -22.6<br>14.61 | -1.71<br>ONE | 1.411<br>20.084 | 91.9<br>190.6 | 0.961<br>52.9 | 25.294<br>33.4 | 356.2 | 519.8 | 0.984 | 49.604A | 2.25 | 0.250 | 163.5 | 68.4 | -82.1 | 0.276 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46470.0 | 49430.0 | 0.400 | 216.0 | -18.3 | -1.08 | 1.410 | 86.9 | 0.961 | 25.424 | 6.3 | 159.7 | 0.984D | 49.865A | 1.57 | 0.250 | 163.6 | 68.5 | -82.0 | 0.276 |
| | | 8.45 | 6.17 | 14.61 | ONE | 20.084 | 190.6 | 52.9 | 33.4 | | | | | | | | | | |
| 46480.0 | 49430.0 | 0.426 | 210.1 | -15.1 | -0.81 | 1.409 | 81.9 | 0.962 | 25.396 | 16.5 | 159.9 | 0.968D | 49.823A | 1.25 | 0.250 | 163.7 | 69.2 | -81.9 | 0.277 |
| | | 9.02 | 6.17 | 15.19 | ONE | 20.084 | 190.6 | 52.9 | 33.5 | | | | | | | | | | |
| 46490.0 | 49430.0 | 0.474 | 206.0 | -12.8 | -0.66 | 1.407 | 76.8 | 0.963 | 25.217 | 27.0 | 160.3 | 0.938D | 49.497A | 1.06 | 0.249 | 163.9 | 70.8 | -81.9 | 0.277 |
| | | 10.12 | 6.18 | 16.30 | ONE | 20.084 | 190.6 | 52.9 | 33.7 | | | | | | | | | | |
| 46500.0 | 49430.0 | 0.539 | 204.1 | -11.6 | -0.58 | 1.405 | 71.6 | 0.964 | 24.909 | 37.6 | 160.8 | 0.892D | 48.925A | 0.92 | 0.248 | 164.3 | 73.3 | -82.0 | 0.278 |
| | | 11.67 | 6.19 | 17.86 | ONE | 20.084 | 190.6 | 52.9 | 34.0 | | | | | | | | | | |
| 46510.0 | 49430.0 | 0.615 | 204.0 | -11.2 | -0.53 | 1.403 | 66.3 | 0.966 | 24.497 | 48.3 | 161.6 | 0.832D | 48.162A | 0.81 | 0.247 | 164.7 | 76.7 | -82.1 | 0.278 |
| | | 13.59 | 6.20 | 19.79 | ONE | 20.084 | 190.6 | 52.9 | 34.5 | | | | | | | | | | |
| ARRIVAL DATE = 2449530.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 49530.0 | 0.582 | 235.6 | -17.0 | 1.15 | 1.409 | 110.9 | 0.958 | 20.352 | 317.3 | 522.7 | 0.856 | 39.848A | -0.45 | 0.229 | 163.3 | 84.2 | -82.0 | 0.263 |
| | | 12.74 | 5.95 | 18.69 | TWO | 18.698 | 190.2 | 51.8 | 36.6 | | | | | | | | | | |
| 46430.0 | 49530.0 | 0.519 | 236.8 | -14.9 | 1.88 | 1.409 | 106.2 | 0.957 | 20.807 | 326.8 | 522.0 | 0.905 | 40.709A | -1.22 | 0.232 | 163.0 | 80.4 | -81.7 | 0.263 |
| | | 11.18 | 5.96 | 17.14 | TWO | 18.698 | 190.2 | 51.8 | 36.1 | | | | | | | | | | |
| 46440.0 | 49530.0 | 0.476 | 238.4 | -3.5 | 5.58 | 1.409 | 101.5 | 0.955 | 21.190 | 336.4 | 521.5 | 0.943 | 41.438A | -4.96 | 0.234 | 162.8 | 79.0 | -80.6 | 0.264 |
| | | 10.16 | 5.97 | 16.13 | TWO | 18.698 | 190.2 | 51.8 | 35.7 | | | | | | | | | | |
| 46450.0 | 49530.0 | 0.435 | 225.0 | -36.0 | -5.55 | 1.409 | 96.7 | 0.955 | 21.485 | 346.3 | 521.1 | 0.970 | 42.000A | 6.12 | 0.235 | 162.7 | 71.7 | -83.4 | 0.264 |
| | | 9.21 | 5.98 | 15.19 | ONE | 18.698 | 190.2 | 51.8 | 35.4 | | | | | | | | | | |
| 46460.0 | 49530.0 | 0.398 | 222.1 | -23.2 | -1.88 | 1.409 | 91.9 | 0.955 | 21.678 | 356.2 | 520.9 | 0.984 | 42.372A | 2.41 | 0.236 | 162.6 | 72.3 | -82.4 | 0.264 |
| | | 8.40 | 5.98 | 14.38 | ONE | 18.698 | 190.2 | 51.8 | 35.1 | | | | | | | | | | |
| 46470.0 | 49530.0 | 0.398 | 215.8 | -18.6 | -1.15 | 1.408 | 86.9 | 0.955 | 21.762 | 6.3 | 160.9 | 0.984D | 42.543A | 1.64 | 0.236 | 162.6 | 72.3 | -82.2 | 0.265 |
| | | 8.40 | 5.98 | 14.38 | ONE | 18.698 | 190.2 | 51.8 | 35.1 | | | | | | | | | | |
| 46480.0 | 49530.0 | 0.424 | 210.0 | -15.2 | -0.85 | 1.406 | 81.9 | 0.955 | 21.735 | 16.6 | 161.0 | 0.968D | 42.502A | 1.29 | 0.236 | 162.8 | 73.2 | -82.1 | 0.265 |
| | | 8.97 | 5.99 | 14.95 | ONE | 18.698 | 190.2 | 51.8 | 35.2 | | | | | | | | | | |
| 46490.0 | 49530.0 | 0.472 | 205.9 | -12.9 | -0.69 | 1.404 | 76.8 | 0.957 | 21.606 | 27.0 | 161.4 | 0.938D | 42.273A | 1.08 | 0.236 | 163.0 | 74.9 | -82.1 | 0.265 |
| | | 10.06 | 5.99 | 16.05 | ONE | 18.698 | 190.2 | 51.8 | 35.4 | | | | | | | | | | |
| 46500.0 | 49530.0 | 0.536 | 204.1 | -11.6 | -0.60 | 1.402 | 71.6 | 0.958 | 21.385 | 37.5 | 161.9 | 0.893D | 41.877A | 0.93 | 0.235 | 163.3 | 77.5 | -82.2 | 0.266 |
| | | 11.60 | 6.00 | 17.60 | ONE | 18.698 | 190.2 | 51.8 | 35.8 | | | | | | | | | | |
| 46510.0 | 49530.0 | 0.612 | 204.1 | -11.3 | -0.54 | 1.400 | 66.4 | 0.961 | 21.091 | 48.2 | 162.7 | 0.833D | 41.349A | 0.82 | 0.233 | 163.8 | 81.1 | -82.2 | 0.266 |
| | | 13.50 | 6.01 | 19.52 | ONE | 18.698 | 190.2 | 51.8 | 36.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449630.0 | | | | | | | | | | | | | | | | | | | |
| 46410.0 | 49630.0 | 0.649 | 233.2 | -17.4 | 0.85 | 1.405 | 115.5 | 0.955 | 17.886 | 307.8 | 524.5 | 0.798 | 34.973A | -0.10 | 0.214 | 162.7 | 94.0 | -82.1 | 0.252 |
| | | 14.47 | 5.79 | 20.26 | TWO | 19.447 | 189.8 | 50.8 | 39.1 | | | | | | | | | | |
| 46420.0 | 49630.0 | 0.580 | 235.7 | -17.1 | 1.13 | 1.407 | 110.9 | 0.953 | 18.269 | 317.2 | 523.7 | 0.856 | 35.682A | -0.43 | 0.217 | 162.3 | 88.9 | -82.0 | 0.252 |
| | | 12.70 | 5.79 | 18.49 | TWO | 19.447 | 189.8 | 50.8 | 38.4 | | | | | | | | | | |
| 46430.0 | 49630.0 | 0.517 | 236.8 | -15.1 | 1.80 | 1.407 | 106.2 | 0.951 | 18.609 | 326.7 | 523.1 | 0.905 | 36.313A | -1.14 | 0.219 | 162.0 | 84.9 | -81.8 | 0.253 |
| | | 11.13 | 5.80 | 16.93 | TWO | 19.447 | 189.8 | 50.8 | 37.8 | | | | | | | | | | |
| 46440.0 | 49630.0 | 0.470 | 237.8 | -5.9 | 4.69 | 1.407 | 101.5 | 0.950 | 18.893 | 336.4 | 522.6 | 0.943 | 36.842A | -4.08 | 0.221 | 161.8 | 82.6 | -80.9 | 0.253 |
| | | 10.02 | 5.80 | 15.82 | TWO | 19.447 | 189.8 | 50.8 | 37.4 | | | | | | | | | | |
| 46450.0 | 49630.0 | 0.444 | 223.3 | -41.1 | -7.24 | 1.407 | 96.7 | 0.949 | 19.109 | 346.2 | 522.2 | 0.970 | 37.248A | 7.81 | 0.222 | 161.7 | 76.3 | -84.1 | 0.254 |
| | | 9.41 | 5.81 | 15.23 | ONE | 19.447 | 189.8 | 50.8 | 37.2 | | | | | | | | | | |
| 46460.0 | 49630.0 | 0.397 | 222.0 | -23.9 | -2.07 | 1.407 | 91.9 | 0.949 | 19.248 | 356.2 | 522.0 | 0.984 | 37.513A | 2.59 | 0.223 | 161.6 | 76.7 | -82.6 | 0.253 |
| | | 8.36 | 5.81 | 14.18 | ONE | 19.447 | 189.8 | 50.8 | 36.9 | | | | | | | | | | |
| 46470.0 | 49630.0 | 0.396 | 215.7 | -18.8 | -1.23 | 1.406 | 86.9 | 0.949 | 19.307 | 6.3 | 162.0 | 0.984D | 37.630A | 1.71 | 0.223 | 161.6 | 76.7 | -82.4 | 0.254 |
| | | 8.35 | 5.81 | 14.17 | ONE | 19.447 | 189.8 | 50.8 | 36.8 | | | | | | | | | | |
| 46480.0 | 49630.0 | 0.422 | 209.9 | -15.4 | -0.90 | 1.404 | 81.9 | 0.950 | 19.283 | 16.6 | 162.1 | 0.968D | 37.598A | 1.32 | 0.223 | 161.8 | 77.6 | -82.3 | 0.254 |
| | | 8.92 | 5.82 | 14.74 | ONE | 19.447 | 189.8 | 50.8 | 36.9 | | | | | | | | | | |
| 46490.0 | 49630.0 | 0.469 | 205.9 | -13.0 | -0.72 | 1.402 | 76.9 | 0.951 | 19.183 | 26.9 | 162.5 | 0.938D | 37.427A | 1.10 | 0.223 | 162.0 | 79.3 | -82.3 | 0.254 |
| | | 10.00 | 5.83 | 15.83 | ONE | 19.447 | 189.8 | 50.8 | 37.1 | | | | | | | | | | |
| 46500.0 | 49630.0 | 0.533 | 204.1 | -11.7 | -0.62 | 1.400 | 71.7 | 0.953 | 19.014 | 37.5 | 163.0 | 0.893D | 37.135A | 0.95 | 0.222 | 162.4 | 82.1 | -82.3 | 0.255 |
| | | 11.53 | 5.83 | 17.36 | ONE | 19.447 | 189.8 | 50.8 | 37.5 | | | | | | | | | | |
| 46510.0 | 49630.0 | 0.608 | 204.1 | -11.3 | -0.56 | 1.398 | 66.5 | 0.956 | 18.790 | 48.1 | 163.7 | 0.834D | 36.745A | 0.83 | 0.220 | 162.8 | 85.9 | -82.3 | 0.256 |
| | | 13.42 | 5.85 | 19.26 | ONE | 19.447 | 189.8 | 50.8 | 38.0 | | | | | | | | | | |
| ARRIVAL DATE = 2449730.0 | | | | | | | | | | | | | | | | | | | |
| 46410.0 | 49730.0 | 0.649 | 233.3 | -17.5 | 0.84 | 1.404 | 115.5 | 0.952 | 16.450 | 307.6 | 525.4 | 0.797 | 32.102A | -0.09 | 0.202 | 161.7 | 99.2 | -82.0 | 0.242 |
| | | 14.45 | 5.65 | 20.10 | TWO | 20.664 | 189.4 | 49.7 | 41.0 | | | | | | | | | | |
| 46420.0 | 49730.0 | 0.579 | 235.8 | -17.1 | 1.12 | 1.405 | 110.9 | 0.949 | 16.751 | 317.0 | 524.7 | 0.855 | 32.648A | -0.41 | 0.205 | 161.3 | 94.0 | -82.0 | 0.243 |
| | | 12.67 | 5.65 | 18.32 | TWO | 20.664 | 189.4 | 49.7 | 40.2 | | | | | | | | | | |
| 46430.0 | 49730.0 | 0.515 | 236.9 | -15.4 | 1.72 | 1.405 | 106.2 | 0.947 | 17.018 | 326.6 | 524.1 | 0.904 | 33.132A | -1.07 | 0.207 | 161.0 | 89.7 | -81.8 | 0.243 |
| | | 11.10 | 5.65 | 16.75 | TWO | 20.664 | 189.4 | 49.7 | 39.6 | | | | | | | | | | |
| 46440.0 | 49730.0 | 0.466 | 237.5 | -7.7 | 4.07 | 1.406 | 101.5 | 0.945 | 17.239 | 336.3 | 523.6 | 0.943 | 33.535A | -3.46 | 0.209 | 160.8 | 86.8 | -81.1 | 0.243 |
| | | 9.93 | 5.66 | 15.58 | TWO | 20.664 | 189.4 | 49.7 | 39.2 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46450.0 | 49730.0 | 0.467 | 220.1 | -49.5 | -10.21 | 1.405 | 96.7 | 0.944 | 17.406 | 346.2 | 523.2 | 0.970 | 33.842A | 10.77 | 0.210 | 160.6 | 82.6 | -85.1 | 0.244 |
| | | 9.94 | 5.67 | 15.62 | ONE | 20.664 | 189.4 | 49.7 | 39.2 | | | | | | | | | | |
| 46460.0 | 49730.0 | 0.396 | 221.8 | -24.7 | -2.29 | 1.405 | 91.9 | 0.944 | 17.513 | 356.1 | 523.1 | 0.984 | 34.061A | 2.81 | 0.211 | 160.5 | 81.7 | -82.9 | 0.244 |
| | | 8.34 | 5.66 | 14.00 | ONE | 20.664 | 189.4 | 49.7 | 38.7 | | | | | | | | | | |
| 46470.0 | 49730.0 | 0.394 | 215.8 | -19.2 | -1.32 | 1.404 | 87.0 | 0.944 | 17.556 | 6.2 | 163.0 | 0.984D | 34.128A | 1.78 | 0.211 | 160.6 | 81.6 | -82.6 | 0.244 |
| | | 8.31 | 5.67 | 13.98 | ONE | 20.664 | 189.4 | 49.7 | 38.6 | | | | | | | | | | |
| 46480.0 | 49730.0 | 0.420 | 210.0 | -15.6 | -0.94 | 1.402 | 82.0 | 0.945 | 17.535 | 16.5 | 163.2 | 0.969D | 34.101A | 1.36 | 0.211 | 160.7 | 82.4 | -82.4 | 0.244 |
| | | 8.87 | 5.67 | 14.54 | ONE | 20.664 | 189.4 | 49.7 | 38.7 | | | | | | | | | | |
| 46490.0 | 49730.0 | 0.467 | 206.0 | -13.1 | -0.75 | 1.401 | 77.0 | 0.946 | 17.454 | 26.8 | 163.5 | 0.939D | 33.968A | 1.12 | 0.211 | 161.0 | 84.2 | -82.4 | 0.245 |
| | | 9.94 | 5.68 | 15.62 | ONE | 20.664 | 189.4 | 49.7 | 38.9 | | | | | | | | | | |
| 46500.0 | 49730.0 | 0.530 | 204.2 | -11.8 | -0.65 | 1.399 | 71.8 | 0.948 | 17.319 | 37.3 | 164.0 | 0.894D | 33.743A | 0.96 | 0.209 | 161.3 | 87.1 | -82.4 | 0.245 |
| | | 11.46 | 5.69 | 17.14 | ONE | 20.664 | 189.4 | 49.7 | 39.3 | | | | | | | | | | |
| 46510.0 | 49730.0 | 0.605 | 204.2 | -11.4 | -0.58 | 1.396 | 66.7 | 0.951 | 17.139 | 48.0 | 164.6 | 0.836D | 33.443A | 0.83 | 0.208 | 161.8 | 90.9 | -82.3 | 0.246 |
| | | 13.32 | 5.70 | 19.02 | ONE | 20.664 | 189.4 | 49.7 | 39.8 | | | | | | | | | | |
| ARRIVAL DATE = 2449830.0 | | | | | | | | | | | | | | | | | | | |
| 46410.0 | 49830.0 | 0.648 | 233.5 | -17.5 | 0.84 | 1.402 | 115.6 | 0.948 | 15.357 | 307.3 | 526.3 | 0.796 | 29.918A | -0.09 | 0.191 | 160.7 | 104.5 | -81.8 | 0.234 |
| | | 14.44 | 5.52 | 19.97 | TWO | 19.647 | 189.0 | 48.6 | 42.8 | | | | | | | | | | |
| 46420.0 | 49830.0 | 0.579 | 236.0 | -17.2 | 1.10 | 1.403 | 111.0 | 0.945 | 15.603 | 316.8 | 525.6 | 0.854 | 30.352A | -0.40 | 0.193 | 160.2 | 99.2 | -81.9 | 0.234 |
| | | 12.66 | 5.52 | 18.18 | TWO | 19.647 | 189.0 | 48.6 | 42.1 | | | | | | | | | | |
| 46430.0 | 49830.0 | 0.514 | 237.1 | -15.6 | 1.66 | 1.404 | 106.3 | 0.943 | 15.819 | 326.4 | 525.0 | 0.904 | 30.735A | -1.01 | 0.196 | 159.9 | 94.8 | -81.8 | 0.234 |
| | | 11.08 | 5.52 | 16.60 | TWO | 19.647 | 189.0 | 48.6 | 41.5 | | | | | | | | | | |
| 46440.0 | 49830.0 | 0.463 | 237.3 | -9.0 | 3.61 | 1.404 | 101.6 | 0.941 | 15.998 | 336.1 | 524.6 | 0.943 | 31.053A | -3.01 | 0.198 | 159.7 | 91.4 | -81.2 | 0.234 |
| | | 9.87 | 5.53 | 15.39 | TWO | 19.647 | 189.0 | 48.6 | 41.0 | | | | | | | | | | |
| 46450.0 | 49830.0 | 0.539 | 210.8 | -64.7 | -16.69 | 1.404 | 96.7 | 0.940 | 16.132 | 346.1 | 524.2 | 0.970 | 31.294A | 17.24 | 0.199 | 159.5 | 98.3 | -87.1 | 0.237 |
| | | 11.69 | 5.57 | 17.26 | ONE | 19.647 | 189.0 | 48.6 | 41.5 | | | | | | | | | | |
| 46460.0 | 49830.0 | 0.395 | 221.8 | -25.7 | -2.56 | 1.403 | 91.9 | 0.939 | 16.217 | 356.0 | 524.0 | 0.984 | 31.450A | 3.07 | 0.200 | 159.4 | 87.2 | -83.0 | 0.234 |
| | | 8.32 | 5.53 | 13.85 | ONE | 19.647 | 189.0 | 48.6 | 40.5 | | | | | | | | | | |
| 46470.0 | 49830.0 | 0.393 | 215.9 | -19.6 | -1.41 | 1.402 | 87.0 | 0.939 | 16.250 | 6.1 | 164.0 | 0.984D | 31.517A | 1.87 | 0.200 | 159.5 | 86.9 | -82.7 | 0.235 |
| | | 8.28 | 5.53 | 13.81 | ONE | 19.647 | 189.0 | 48.6 | 40.4 | | | | | | | | | | |
| 46480.0 | 49830.0 | 0.417 | 210.1 | -15.8 | -0.99 | 1.401 | 82.1 | 0.940 | 16.232 | 16.3 | 164.2 | 0.969D | 31.494A | 1.40 | 0.200 | 159.6 | 87.6 | -82.5 | 0.235 |
| | | 8.82 | 5.54 | 14.36 | ONE | 19.647 | 189.0 | 48.6 | 40.5 | | | | | | | | | | |
| 46490.0 | 49830.0 | 0.464 | 206.2 | -13.3 | -0.79 | 1.399 | 77.1 | 0.942 | 16.164 | 26.7 | 164.4 | 0.939D | 31.389A | 1.15 | 0.199 | 159.9 | 89.5 | -82.5 | 0.235 |
| | | 9.88 | 5.54 | 15.43 | ONE | 19.647 | 189.0 | 48.6 | 40.7 | | | | | | | | | | |
| 46500.0 | 49830.0 | 0.527 | 204.4 | -12.0 | -0.67 | 1.397 | 72.0 | 0.944 | 16.053 | 37.2 | 164.9 | 0.895D | 31.210A | 0.97 | 0.198 | 160.2 | 92.4 | -82.4 | 0.236 |
| | | 11.38 | 5.55 | 16.93 | ONE | 19.647 | 189.0 | 48.6 | 41.1 | | | | | | | | | | |
| 46510.0 | 49830.0 | 0.601 | 204.4 | -11.5 | -0.60 | 1.395 | 66.8 | 0.947 | 15.904 | 47.7 | 165.5 | 0.837D | 30.971A | 0.84 | 0.197 | 160.7 | 96.2 | -82.3 | 0.237 |
| | | 13.23 | 5.56 | 18.80 | ONE | 19.647 | 189.0 | 48.6 | 41.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449930.0 | | | | | | | | | | | | | | | | | | | |
| 46410.0 | 49930.0 | 0.649 | 233.7 | -17.6 | 0.84 | 1.401 | 115.7 | 0.945 | 14.502 | 307.1 | 527.2 | 0.795 | 28.210A | -0.09 | 0.180 | 159.5 | 109.7 | -81.6 | 0.226 |
| | | 14.45 | 5.41 | 19.86 | TWO | 18.712 | 188.7 | 47.5 | 44.7 | | | | | | | | | | |
| 46420.0 | 49930.0 | 0.579 | 236.2 | -17.3 | 1.08 | 1.402 | 111.0 | 0.942 | 14.708 | 316.6 | 526.5 | 0.853 | 28.563A | -0.39 | 0.183 | 159.1 | 104.5 | -81.7 | 0.226 |
| | | 12.66 | 5.41 | 18.07 | TWO | 18.712 | 188.7 | 47.5 | 44.0 | | | | | | | | | | |
| 46430.0 | 49930.0 | 0.514 | 237.3 | -15.8 | 1.60 | 1.402 | 106.4 | 0.939 | 14.889 | 326.2 | 525.9 | 0.903 | 28.875A | -0.95 | 0.185 | 158.7 | 100.0 | -81.7 | 0.226 |
| | | 11.07 | 5.41 | 16.48 | TWO | 18.712 | 188.7 | 47.5 | 43.3 | | | | | | | | | | |
| 46440.0 | 49930.0 | 0.462 | 237.3 | -10.1 | 3.26 | 1.403 | 101.6 | 0.937 | 15.037 | 335.9 | 525.5 | 0.942 | 29.132A | -2.66 | 0.187 | 158.5 | 96.2 | -81.3 | 0.226 |
| | | 9.83 | 5.41 | 15.24 | TWO | 18.712 | 188.7 | 47.5 | 42.9 | | | | | | | | | | |
| 46460.0 | 49930.0 | 0.394 | 221.7 | -26.8 | -2.87 | 1.402 | 92.0 | 0.935 | 15.218 | 355.8 | 525.0 | 0.984 | 29.453A | 3.38 | 0.189 | 158.3 | 93.3 | -83.2 | 0.226 |
| | | 8.32 | 5.41 | 13.73 | ONE | 18.712 | 188.7 | 47.5 | 42.3 | | | | | | | | | | |
| 46470.0 | 49930.0 | 0.391 | 216.0 | -20.0 | -1.51 | 1.401 | 87.1 | 0.935 | 15.245 | 5.9 | 165.0 | 0.984D | 29.506A | 1.96 | 0.189 | 158.3 | 92.5 | -82.7 | 0.226 |
| | | 8.25 | 5.41 | 13.66 | ONE | 18.712 | 188.7 | 47.5 | 42.2 | | | | | | | | | | |
| 46480.0 | 49930.0 | 0.415 | 210.3 | -16.1 | -1.05 | 1.399 | 82.2 | 0.936 | 15.229 | 16.2 | 165.1 | 0.970D | 29.487A | 1.45 | 0.189 | 158.4 | 93.2 | -82.6 | 0.226 |
| | | 8.77 | 5.42 | 14.19 | ONE | 18.712 | 188.7 | 47.5 | 42.3 | | | | | | | | | | |
| 46490.0 | 49930.0 | 0.461 | 206.4 | -13.5 | -0.82 | 1.397 | 77.2 | 0.938 | 15.171 | 26.5 | 165.4 | 0.940D | 29.402A | 1.17 | 0.189 | 158.7 | 95.0 | -82.4 | 0.227 |
| | | 9.82 | 5.43 | 15.25 | ONE | 18.712 | 188.7 | 47.5 | 42.6 | | | | | | | | | | |
| 46500.0 | 49930.0 | 0.524 | 204.5 | -12.1 | -0.69 | 1.395 | 72.1 | 0.941 | 15.076 | 36.9 | 165.8 | 0.897D | 29.256A | 0.99 | 0.187 | 159.1 | 97.8 | -82.3 | 0.228 |
| | | 11.30 | 5.43 | 16.74 | ONE | 18.712 | 188.7 | 47.5 | 42.9 | | | | | | | | | | |
| 46510.0 | 49930.0 | 0.597 | 204.6 | -11.7 | -0.62 | 1.393 | 67.0 | 0.944 | 14.951 | 47.5 | 166.4 | 0.839D | 29.062A | 0.85 | 0.186 | 159.6 | 101.6 | -82.2 | 0.228 |
| | | 13.14 | 5.45 | 18.58 | ONE | 18.712 | 188.7 | 47.5 | 43.5 | | | | | | | | | | |
| ARRIVAL DATE = 2450030.0 | | | | | | | | | | | | | | | | | | | |
| 46410.0 | 50030.0 | 0.650 | 234.0 | -17.7 | 0.84 | 1.400 | 115.8 | 0.943 | 13.819 | 306.8 | 528.0 | 0.793 | 26.846A | -0.09 | 0.170 | 158.3 | 114.8 | -81.3 | 0.218 |
| | | 14.48 | 5.31 | 19.78 | TWO | 20.022 | 188.4 | 46.4 | 46.7 | | | | | | | | | | |
| 46420.0 | 50030.0 | 0.579 | 236.5 | -17.4 | 1.07 | 1.401 | 111.1 | 0.939 | 13.996 | 316.3 | 527.3 | 0.852 | 27.139A | -0.37 | 0.173 | 157.9 | 109.8 | -81.5 | 0.218 |
| | | 12.67 | 5.31 | 17.98 | TWO | 20.022 | 188.4 | 46.4 | 45.9 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46430.0 | 50030.0 | 0.514 | 237.6 | -16.0 | 1.55 | 1.401 | 106.4 | 0.936 | 14.149 | 326.0 | 526.8 | 0.902 | 27.397A | -0.90 | 0.175 | 157.5 | 105.3 | -81.5 | 0.218 |
| | | 11.08 | 5.30 | 16.38 | TWO | 20.022 | 188.4 | 46.4 | 45.2 | | | | | | | | | | |
| 46440.0 | 50030.0 | 0.461 | 237.4 | -11.0 | 2.98 | 1.401 | 101.7 | 0.934 | 14.276 | 335.7 | 526.4 | 0.941 | 27.610A | -2.39 | 0.177 | 157.3 | 101.3 | -81.2 | 0.218 |
| | | 9.81 | 5.30 | 15.11 | TWO | 20.022 | 188.4 | 46.4 | 44.7 | | | | | | | | | | |
| 46460.0 | 50030.0 | 0.395 | 221.6 | -28.3 | -3.26 | 1.400 | 92.1 | 0.932 | 14.429 | 355.6 | 525.9 | 0.984 | 27.875A | 3.76 | 0.179 | 157.0 | 99.8 | -83.2 | 0.218 |
| | | 8.32 | 5.31 | 13.63 | ONE | 20.022 | 188.4 | 46.4 | 44.2 | | | | | | | | | | |
| 46470.0 | 50030.0 | 0.390 | 216.2 | -20.5 | -1.62 | 1.399 | 87.2 | 0.932 | 14.451 | 5.7 | 165.9 | 0.984D | 27.918A | 2.07 | 0.179 | 157.1 | 98.5 | -82.7 | 0.218 |
| | | 8.22 | 5.31 | 13.53 | ONE | 20.022 | 188.4 | 46.4 | 44.1 | | | | | | | | | | |
| 46480.0 | 50030.0 | 0.413 | 210.6 | -16.4 | -1.10 | 1.398 | 82.3 | 0.933 | 14.437 | 15.9 | 166.0 | 0.970D | 27.903A | 1.50 | 0.179 | 157.2 | 98.9 | -82.5 | 0.219 |
| | | 8.73 | 5.31 | 14.04 | ONE | 20.022 | 188.4 | 46.4 | 44.2 | | | | | | | | | | |
| 46490.0 | 50030.0 | 0.459 | 206.6 | -13.7 | -0.86 | 1.396 | 77.3 | 0.935 | 14.387 | 26.3 | 166.2 | 0.941D | 27.832A | 1.20 | 0.179 | 157.5 | 100.6 | -82.4 | 0.219 |
| | | 9.76 | 5.32 | 15.08 | ONE | 20.022 | 188.4 | 46.4 | 44.4 | | | | | | | | | | |
| 46500.0 | 50030.0 | 0.520 | 204.8 | -12.3 | -0.72 | 1.394 | 72.3 | 0.937 | 14.305 | 36.7 | 166.6 | 0.898D | 27.712A | 1.00 | 0.177 | 157.9 | 103.4 | -82.2 | 0.220 |
| | | 11.22 | 5.33 | 16.55 | ONE | 20.022 | 188.4 | 46.4 | 44.8 | | | | | | | | | | |
| 46510.0 | 50030.0 | 0.594 | 204.8 | -11.8 | -0.64 | 1.392 | 67.2 | 0.941 | 14.196 | 47.2 | 167.2 | 0.841D | 27.551A | 0.86 | 0.176 | 158.4 | 107.0 | -82.0 | 0.221 |
| | | 13.04 | 5.34 | 18.38 | ONE | 20.022 | 188.4 | 46.4 | 45.3 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450130.0 | | | | | | | | | | | |
| 46420.0 | 50130.0 | 0.580 | 236.8 | -17.5 | 1.05 | 1.399 | 111.2 | 0.937 | 13.418 | 316.0 | 528.1 | 0.850 | 25.985A | -0.36 | 0.164 | 156.6 | 114.9 | -81.2 | 0.211 |
| | | 12.70 | 5.22 | 17.91 | TWO | 20.633 | 188.1 | 45.3 | 47.8 | | | | | | | | | | |
| 46430.0 | 50130.0 | 0.515 | 237.9 | -16.2 | 1.50 | 1.400 | 106.6 | 0.934 | 13.551 | 325.7 | 527.6 | 0.901 | 26.202A | -0.86 | 0.166 | 156.2 | 110.5 | -81.3 | 0.211 |
| | | 11.09 | 5.21 | 16.30 | TWO | 20.633 | 188.1 | 45.3 | 47.1 | | | | | | | | | | |
| 46440.0 | 50130.0 | 0.460 | 237.6 | -11.7 | 2.75 | 1.400 | 101.8 | 0.931 | 13.661 | 335.4 | 527.2 | 0.940 | 26.381A | -2.16 | 0.168 | 156.0 | 106.4 | -81.1 | 0.211 |
| | | 9.80 | 5.21 | 15.01 | TWO | 20.633 | 188.1 | 45.3 | 46.6 | | | | | | | | | | |
| 46450.0 | 50130.0 | 0.581 | 249.7 | 32.7 | 19.78 | 1.400 | 97.1 | 0.930 | 13.742 | 345.2 | 526.9 | 0.968 | 26.516A | -19.24 | 0.169 | 155.8 | 101.6 | -75.7 | 0.215 |
| | | 12.72 | 5.26 | 17.98 | TWO | 20.633 | 188.1 | 45.3 | 47.3 | | | | | | | | | | |
| 46460.0 | 50130.0 | 0.396 | 221.5 | -30.9 | -3.74 | 1.399 | 92.2 | 0.929 | 13.793 | 355.4 | 526.7 | 0.983 | 26.603A | 4.23 | 0.170 | 155.7 | 106.7 | -83.2 | 0.211 |
| | | 8.35 | 5.21 | 13.56 | ONE | 20.633 | 188.1 | 45.3 | 46.1 | | | | | | | | | | |
| 46470.0 | 50130.0 | 0.389 | 216.5 | -21.1 | -1.74 | 1.398 | 87.4 | 0.929 | 13.812 | 5.5 | 166.7 | 0.984D | 26.640A | 2.18 | 0.170 | 155.8 | 104.5 | -82.6 | 0.211 |
| | | 8.19 | 5.21 | 13.40 | ONE | 20.633 | 188.1 | 45.3 | 46.0 | | | | | | | | | | |
| 46480.0 | 50130.0 | 0.411 | 210.9 | -16.7 | -1.16 | 1.397 | 82.5 | 0.930 | 13.799 | 15.7 | 166.8 | 0.971D | 26.628A | 1.55 | 0.170 | 155.9 | 104.8 | -82.4 | 0.212 |
| | | 8.68 | 5.22 | 13.90 | ONE | 20.633 | 188.1 | 45.3 | 46.1 | | | | | | | | | | |
| 46490.0 | 50130.0 | 0.456 | 206.9 | -14.0 | -0.89 | 1.395 | 77.5 | 0.931 | 13.755 | 26.0 | 167.1 | 0.942D | 26.568A | 1.23 | 0.169 | 156.2 | 106.3 | -82.2 | 0.212 |
| | | 9.69 | 5.22 | 14.92 | ONE | 20.633 | 188.1 | 45.3 | 46.3 | | | | | | | | | | |
| 46500.0 | 50130.0 | 0.517 | 205.1 | -12.5 | -0.74 | 1.393 | 72.5 | 0.934 | 13.684 | 36.4 | 167.4 | 0.900D | 26.468A | 1.02 | 0.168 | 156.6 | 108.8 | -82.0 | 0.213 |
| | | 11.14 | 5.23 | 16.38 | ONE | 20.633 | 188.1 | 45.3 | 46.7 | | | | | | | | | | |
| 46510.0 | 50130.0 | 0.590 | 205.1 | -12.0 | -0.66 | 1.391 | 67.4 | 0.938 | 13.588 | 46.8 | 167.9 | 0.844D | 26.333A | 0.87 | 0.166 | 157.1 | 112.2 | -81.8 | 0.214 |
| | | 12.94 | 5.25 | 18.18 | ONE | 20.633 | 188.1 | 45.3 | 47.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450230.0 | | | | | | | | | | | |
| 46420.0 | 50230.0 | 0.581 | 237.1 | -17.6 | 1.04 | 1.398 | 111.4 | 0.934 | 12.942 | 315.7 | 528.9 | 0.848 | 25.036A | -0.35 | 0.155 | 155.2 | 119.7 | -80.8 | 0.205 |
| | | 12.73 | 5.13 | 17.87 | TWO | 19.215 | 187.7 | 44.2 | 49.8 | | | | | | | | | | |
| 46430.0 | 50230.0 | 0.516 | 238.2 | -16.4 | 1.46 | 1.399 | 106.7 | 0.931 | 13.060 | 325.3 | 528.4 | 0.899 | 25.221A | -0.82 | 0.157 | 154.9 | 115.5 | -81.0 | 0.205 |
| | | 11.11 | 5.13 | 16.24 | TWO | 19.215 | 187.7 | 44.2 | 49.1 | | | | | | | | | | |
| 46440.0 | 50230.0 | 0.460 | 237.9 | -12.3 | 2.57 | 1.399 | 102.0 | 0.929 | 13.157 | 335.1 | 528.0 | 0.939 | 25.374A | -1.98 | 0.159 | 154.6 | 111.4 | -80.8 | 0.205 |
| | | 9.80 | 5.13 | 14.93 | TWO | 19.215 | 187.7 | 44.2 | 48.6 | | | | | | | | | | |
| 46450.0 | 50230.0 | 0.483 | 242.8 | 16.7 | 12.10 | 1.399 | 97.2 | 0.927 | 13.228 | 345.0 | 527.7 | 0.968 | 25.489A | -11.56 | 0.160 | 154.4 | 105.4 | -77.8 | 0.206 |
| | | 10.33 | 5.14 | 15.48 | TWO | 19.215 | 187.7 | 44.2 | 48.5 | | | | | | | | | | |
| 46460.0 | 50230.0 | 0.398 | 221.3 | -32.2 | -4.37 | 1.398 | 92.4 | 0.926 | 13.273 | 355.1 | 527.6 | 0.983 | 25.563A | 4.85 | 0.161 | 154.4 | 113.9 | -83.2 | 0.205 |
| | | 8.39 | 5.13 | 13.52 | ONE | 19.215 | 187.7 | 44.2 | 48.0 | | | | | | | | | | |
| 46470.0 | 50230.0 | 0.388 | 216.9 | -21.8 | -1.88 | 1.397 | 87.5 | 0.926 | 13.290 | 5.2 | 167.5 | 0.985D | 25.595A | 2.32 | 0.161 | 154.4 | 110.6 | -82.4 | 0.205 |
| | | 8.17 | 5.13 | 13.30 | ONE | 19.215 | 187.7 | 44.2 | 47.9 | | | | | | | | | | |
| 46480.0 | 50230.0 | 0.409 | 211.3 | -17.1 | -1.23 | 1.396 | 82.6 | 0.927 | 13.278 | 15.4 | 167.6 | 0.971D | 25.585A | 1.61 | 0.161 | 154.5 | 110.5 | -82.2 | 0.205 |
| | | 8.64 | 5.13 | 13.77 | ONE | 19.215 | 187.7 | 44.2 | 48.0 | | | | | | | | | | |
| 46490.0 | 50230.0 | 0.453 | 207.3 | -14.2 | -0.93 | 1.394 | 77.7 | 0.929 | 13.239 | 25.7 | 167.8 | 0.944D | 25.535A | 1.26 | 0.160 | 154.8 | 111.8 | -82.0 | 0.205 |
| | | 9.63 | 5.14 | 14.77 | ONE | 19.215 | 187.7 | 44.2 | 48.2 | | | | | | | | | | |
| 46500.0 | 50230.0 | 0.514 | 205.4 | -12.7 | -0.77 | 1.392 | 72.6 | 0.932 | 13.176 | 36.0 | 168.2 | 0.902D | 25.450A | 1.04 | 0.159 | 155.2 | 114.1 | -81.7 | 0.206 |
| | | 11.06 | 5.15 | 16.21 | ONE | 19.215 | 187.7 | 44.2 | 48.6 | | | | | | | | | | |
| 46510.0 | 50230.0 | 0.586 | 205.4 | -12.1 | -0.68 | 1.390 | 67.6 | 0.935 | 13.091 | 46.5 | 168.7 | 0.846D | 25.336A | 0.88 | 0.158 | 155.7 | 117.2 | -81.5 | 0.207 |
| | | 12.84 | 5.16 | 18.00 | ONE | 19.215 | 187.7 | 44.2 | 49.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450330.0 | | | | | | | | | | | |
| 46420.0 | 50330.0 | 0.583 | 237.4 | -17.7 | 1.03 | 1.398 | 111.5 | 0.933 | 12.547 | 315.3 | 529.6 | 0.846 | 24.248A | -0.34 | 0.147 | 153.8 | 124.3 | -80.4 | 0.199 |
| | | 12.78 | 5.06 | 17.84 | TWO | 18.988 | 187.5 | 43.2 | 51.7 | | | | | | | | | | |
| 46430.0 | 50330.0 | 0.517 | 238.6 | -16.6 | 1.42 | 1.398 | 106.8 | 0.929 | 12.652 | 325.0 | 529.1 | 0.898 | 24.407A | -0.79 | 0.149 | 153.4 | 120.2 | -80.6 | 0.199 |
| | | 11.14 | 5.06 | 16.20 | TWO | 18.988 | 187.5 | 43.2 | 51.1 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46440.0 | 50330.0 | 0.461 | 238.2 | -12.9 | 2.41 | 1.398 | 102.1 | 0.926 | 12.738 | 334.8 | 528.8 | 0.938 | 24.538A | -1.83 | 0.151 | 153.1 | 116.3 | -80.5 | 0.199 |
| | | 9.81 | 5.05 | 14.86 | TWO | 18.988 | 187.5 | 43.2 | 50.5 | | | | | | | | | | |
| 46450.0 | 50330.0 | 0.452 | 240.3 | 7.9 | 8.77 | 1.398 | 97.4 | 0.924 | 12.802 | 344.7 | 528.5 | 0.967 | 24.637A | -8.24 | 0.152 | 153.0 | 110.1 | -78.6 | 0.199 |
| | | 9.60 | 5.06 | 14.65 | TWO | 18.988 | 187.5 | 43.2 | 50.3 | | | | | | | | | | |
| 46460.0 | 50330.0 | 0.402 | 220.9 | -35.1 | -5.20 | 1.397 | 92.5 | 0.923 | 12.842 | 354.8 | 528.3 | 0.983 | 24.702A | 5.68 | 0.153 | 152.9 | 121.5 | -83.1 | 0.199 |
| | | 8.48 | 5.05 | 13.53 | ONE | 18.988 | 187.5 | 43.2 | 50.0 | | | | | | | | | | |
| 46470.0 | 50330.0 | 0.387 | 217.2 | -22.5 | -2.04 | 1.396 | 87.7 | 0.923 | 12.857 | 4.8 | 168.3 | 0.985D | 24.730A | 2.47 | 0.153 | 152.9 | 116.4 | -82.2 | 0.199 |
| | | 8.15 | 5.05 | 13.20 | ONE | 18.988 | 187.5 | 43.2 | 49.8 | | | | | | | | | | |
| 46480.0 | 50330.0 | 0.407 | 211.7 | -17.5 | -1.30 | 1.395 | 82.8 | 0.924 | 12.847 | 15.0 | 168.4 | 0.972D | 24.721A | 1.67 | 0.153 | 153.1 | 116.0 | -81.9 | 0.199 |
| | | 8.60 | 5.06 | 13.65 | ONE | 18.988 | 187.5 | 43.2 | 49.9 | | | | | | | | | | |
| 46490.0 | 50330.0 | 0.450 | 207.7 | -14.5 | -0.97 | 1.393 | 77.8 | 0.926 | 12.812 | 25.3 | 168.6 | 0.945D | 24.679A | 1.29 | 0.152 | 153.3 | 117.1 | -81.7 | 0.199 |
| | | 9.57 | 5.06 | 14.63 | ONE | 18.988 | 187.5 | 43.2 | 50.1 | | | | | | | | | | |
| 46500.0 | 50330.0 | 0.510 | 205.7 | -12.9 | -0.80 | 1.391 | 72.9 | 0.929 | 12.755 | 35.6 | 168.9 | 0.904D | 24.607A | 1.06 | 0.151 | 153.7 | 119.2 | -81.4 | 0.200 |
| | | 10.98 | 5.07 | 16.05 | ONE | 18.988 | 187.5 | 43.2 | 50.5 | | | | | | | | | | |
| 46510.0 | 50330.0 | 0.581 | 205.7 | -12.3 | -0.70 | 1.389 | 67.8 | 0.933 | 12.679 | 46.0 | 169.4 | 0.849D | 24.509A | 0.89 | 0.149 | 154.3 | 121.9 | -81.1 | 0.201 |
| | | 12.73 | 5.09 | 17.82 | ONE | 18.988 | 187.5 | 43.2 | 51.0 | | | | | | | | | | |
| ARRIVAL DATE = 2450430.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 50430.0 | 0.585 | 237.8 | -17.8 | 1.02 | 1.397 | 111.7 | 0.931 | 12.215 | 314.9 | 530.3 | 0.844 | 23.586A | -0.33 | 0.139 | 152.3 | 128.4 | -79.8 | 0.194 |
| | | 12.83 | 5.00 | 17.83 | TWO | 20.510 | 187.2 | 42.1 | 53.7 | | | | | | | | | | |
| 46430.0 | 50430.0 | 0.519 | 239.0 | -16.7 | 1.38 | 1.397 | 107.0 | 0.927 | 12.310 | 324.6 | 529.9 | 0.896 | 23.724A | -0.75 | 0.141 | 151.9 | 124.7 | -80.1 | 0.194 |
| | | 11.18 | 4.99 | 16.17 | TWO | 20.510 | 187.2 | 42.1 | 53.0 | | | | | | | | | | |
| 46440.0 | 50430.0 | 0.462 | 238.6 | -13.4 | 2.27 | 1.398 | 102.3 | 0.924 | 12.388 | 334.4 | 529.5 | 0.937 | 23.838A | -1.70 | 0.143 | 151.6 | 120.9 | -80.1 | 0.193 |
| | | 9.83 | 4.99 | 14.82 | TWO | 20.510 | 187.2 | 42.1 | 52.5 | | | | | | | | | | |
| 46450.0 | 50430.0 | 0.438 | 239.2 | 2.5 | 6.92 | 1.397 | 97.5 | 0.922 | 12.446 | 344.3 | 529.2 | 0.966 | 23.925A | -6.40 | 0.144 | 151.4 | 115.0 | -78.8 | 0.194 |
| | | 9.29 | 4.99 | 14.28 | TWO | 20.510 | 187.2 | 42.1 | 52.2 | | | | | | | | | | |
| 46460.0 | 50430.0 | 0.409 | 220.1 | -39.0 | -6.37 | 1.397 | 92.7 | 0.921 | 12.482 | 354.4 | 529.1 | 0.983 | 23.981A | 6.85 | 0.145 | 151.3 | 129.6 | -83.0 | 0.194 |
| | | 8.63 | 4.99 | 13.62 | ONE | 20.510 | 187.2 | 42.1 | 52.0 | | | | | | | | | | |
| 46470.0 | 50430.0 | 0.386 | 217.6 | -23.3 | -2.22 | 1.395 | 87.9 | 0.921 | 12.495 | 4.5 | 169.0 | 0.985D | 24.008A | 2.64 | 0.145 | 151.4 | 122.0 | -81.8 | 0.193 |
| | | 8.13 | 4.98 | 13.12 | ONE | 20.510 | 187.2 | 42.1 | 51.8 | | | | | | | | | | |
| 46480.0 | 50430.0 | 0.405 | 212.2 | -18.0 | -1.37 | 1.394 | 83.0 | 0.922 | 12.486 | 14.7 | 169.1 | 0.973D | 23.999A | 1.73 | 0.145 | 151.5 | 121.3 | -81.5 | 0.193 |
| | | 8.55 | 4.99 | 13.54 | ONE | 20.510 | 187.2 | 42.1 | 51.8 | | | | | | | | | | |
| 46490.0 | 50430.0 | 0.447 | 208.1 | -14.9 | -1.01 | 1.392 | 78.0 | 0.924 | 12.455 | 24.9 | 169.3 | 0.946D | 23.963A | 1.32 | 0.144 | 151.8 | 122.1 | -81.3 | 0.194 |
| | | 9.50 | 4.99 | 14.50 | ONE | 20.510 | 187.2 | 42.1 | 52.1 | | | | | | | | | | |
| 46500.0 | 50430.0 | 0.507 | 206.1 | -13.1 | -0.83 | 1.390 | 73.1 | 0.927 | 12.404 | 35.2 | 169.6 | 0.906D | 23.901A | 1.08 | 0.143 | 152.2 | 123.8 | -81.0 | 0.195 |
| | | 10.89 | 5.00 | 15.89 | ONE | 20.510 | 187.2 | 42.1 | 52.4 | | | | | | | | | | |
| 46510.0 | 50430.0 | 0.577 | 206.1 | -12.5 | -0.72 | 1.388 | 68.1 | 0.931 | 12.335 | 45.6 | 170.0 | 0.852D | 23.817A | 0.90 | 0.141 | 152.7 | 126.3 | -80.6 | 0.196 |
| | | 12.63 | 5.02 | 17.64 | ONE | 20.510 | 187.2 | 42.1 | 53.0 | | | | | | | | | | |
| ARRIVAL DATE = 2450530.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 50530.0 | 0.588 | 238.2 | -18.0 | 1.01 | 1.396 | 111.9 | 0.929 | 11.935 | 314.4 | 531.0 | 0.842 | 23.027A | -0.32 | 0.131 | 150.6 | 132.2 | -79.3 | 0.190 |
| | | 12.89 | 4.94 | 17.83 | TWO | 20.362 | 186.9 | 41.0 | 55.7 | | | | | | | | | | |
| 46430.0 | 50530.0 | 0.521 | 239.4 | -16.9 | 1.35 | 1.397 | 107.2 | 0.926 | 12.021 | 324.2 | 530.5 | 0.894 | 23.148A | -0.72 | 0.134 | 150.3 | 128.7 | -79.6 | 0.189 |
| | | 11.23 | 4.93 | 16.16 | TWO | 20.362 | 186.9 | 41.0 | 55.0 | | | | | | | | | | |
| 46440.0 | 50530.0 | 0.463 | 239.0 | -13.9 | 2.16 | 1.397 | 102.5 | 0.923 | 12.092 | 334.0 | 530.2 | 0.936 | 23.248A | -1.58 | 0.135 | 150.0 | 125.2 | -79.7 | 0.188 |
| | | 9.86 | 4.93 | 14.79 | TWO | 20.362 | 186.9 | 41.0 | 54.5 | | | | | | | | | | |
| 46450.0 | 50530.0 | 0.432 | 238.7 | -1.2 | 5.75 | 1.397 | 97.7 | 0.920 | 12.144 | 343.9 | 529.9 | 0.966 | 23.323A | -5.23 | 0.137 | 149.8 | 119.7 | -78.8 | 0.188 |
| | | 9.14 | 4.93 | 14.06 | TWO | 20.362 | 186.9 | 41.0 | 54.1 | | | | | | | | | | |
| 46460.0 | 50530.0 | 0.422 | 218.5 | -44.6 | -8.15 | 1.396 | 92.9 | 0.919 | 12.178 | 354.0 | 529.8 | 0.982 | 23.373A | 8.62 | 0.138 | 149.7 | 138.9 | -82.9 | 0.189 |
| | | 8.93 | 4.93 | 13.86 | ONE | 20.362 | 186.9 | 41.0 | 54.0 | | | | | | | | | | |
| 46470.0 | 50530.0 | 0.386 | 218.1 | -24.2 | -2.42 | 1.395 | 88.0 | 0.919 | 12.190 | 4.1 | 169.7 | 0.985D | 23.395A | 2.83 | 0.138 | 149.7 | 127.3 | -81.4 | 0.188 |
| | | 8.12 | 4.92 | 13.05 | ONE | 20.362 | 186.9 | 41.0 | 53.7 | | | | | | | | | | |
| 46480.0 | 50530.0 | 0.403 | 212.7 | -18.5 | -1.45 | 1.393 | 83.2 | 0.920 | 12.182 | 14.3 | 169.8 | 0.974D | 23.390A | 1.81 | 0.138 | 149.9 | 126.1 | -81.1 | 0.188 |
| | | 8.51 | 4.93 | 13.44 | ONE | 20.362 | 186.9 | 41.0 | 53.8 | | | | | | | | | | |
| 46490.0 | 50530.0 | 0.445 | 208.6 | -15.2 | -1.06 | 1.392 | 78.3 | 0.922 | 12.154 | 24.5 | 170.0 | 0.948D | 23.360A | 1.36 | 0.137 | 150.1 | 126.6 | -80.8 | 0.189 |
| | | 9.44 | 4.93 | 14.37 | ONE | 20.362 | 186.9 | 41.0 | 54.0 | | | | | | | | | | |
| 46500.0 | 50530.0 | 0.503 | 206.6 | -13.4 | -0.86 | 1.390 | 73.3 | 0.925 | 12.107 | 34.8 | 170.3 | 0.908D | 23.306A | 1.10 | 0.136 | 150.5 | 128.1 | -80.5 | 0.190 |
| | | 10.80 | 4.94 | 15.75 | ONE | 20.362 | 186.9 | 41.0 | 54.4 | | | | | | | | | | |
| 46510.0 | 50530.0 | 0.573 | 206.5 | -12.7 | -0.74 | 1.387 | 68.3 | 0.929 | 12.044 | 45.1 | 170.7 | 0.855D | 23.234A | 0.92 | 0.134 | 151.1 | 130.2 | -80.1 | 0.191 |
| | | 12.52 | 4.96 | 17.48 | ONE | 20.362 | 186.9 | 41.0 | 54.9 | | | | | | | | | | |
| ARRIVAL DATE = 2450630.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 50630.0 | 0.590 | 238.6 | -18.1 | 1.00 | 1.396 | 112.1 | 0.928 | 11.696 | 314.0 | 531.6 | 0.839 | 22.552A | -0.31 | 0.124 | 148.9 | 135.6 | -78.6 | 0.185 |
| | | 12.96 | 4.89 | 17.85 | TWO | 18.915 | 186.7 | 39.9 | 57.7 | | | | | | | | | | |
| 46430.0 | 50630.0 | 0.523 | 239.9 | -17.1 | 1.32 | 1.396 | 107.4 | 0.924 | 11.775 | 323.7 | 531.2 | 0.892 | 22.658A | -0.70 | 0.127 | 148.5 | 132.4 | -79.0 | 0.184 |
| | | 11.29 | 4.88 | 16.17 | TWO | 18.915 | 186.7 | 39.9 | 57.0 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46440.0 | 50630.0 | 0.465 | 239.5 | -14.3 | 2.05 | 1.396 | 102.7 | 0.921 | 11.840 | 333.6 | 530.9 | 0.934 | 22.746A | -1.49 | 0.128 | 148.2 | 129.1 | -79.2 | 0.184 |
| | | 9.90 | 4.87 | 14.77 | TWO | 18.915 | 186.7 | 39.9 | 56.4 | | | | | | | | | | |
| 46450.0 | 50630.0 | 0.428 | 238.7 | -3.8 | 4.94 | 1.396 | 97.9 | 0.919 | 11.889 | 343.5 | 530.6 | 0.965 | 22.813A | -4.42 | 0.130 | 148.1 | 124.1 | -78.5 | 0.184 |
| | | 9.06 | 4.87 | 13.93 | TWO | 18.915 | 186.7 | 39.9 | 56.1 | | | | | | | | | | |
| 46460.0 | 50630.0 | 0.451 | 214.7 | -53.1 | -11.14 | 1.395 | 93.1 | 0.918 | 11.919 | 353.6 | 530.5 | 0.982 | 22.857A | 11.60 | 0.131 | 148.0 | 151.0 | -82.7 | 0.185 |
| | | 9.57 | 4.89 | 14.46 | ONE | 18.915 | 186.7 | 39.9 | 56.1 | | | | | | | | | | |
| 46470.0 | 50630.0 | 0.385 | 218.5 | -25.3 | -2.66 | 1.394 | 88.2 | 0.917 | 11.931 | 3.7 | 170.4 | 0.986D | 22.877A | 3.06 | 0.131 | 148.0 | 132.1 | -81.0 | 0.184 |
| | | 8.12 | 4.87 | 12.99 | ONE | 18.915 | 186.7 | 39.9 | 55.7 | | | | | | | | | | |
| 46480.0 | 50630.0 | 0.402 | 213.2 | -19.0 | -1.54 | 1.393 | 83.4 | 0.918 | 11.924 | 13.8 | 170.5 | 0.975D | 22.873A | 1.89 | 0.131 | 148.1 | 130.5 | -80.6 | 0.184 |
| | | 8.47 | 4.87 | 13.34 | ONE | 18.915 | 186.7 | 39.9 | 55.7 | | | | | | | | | | |
| 46490.0 | 50630.0 | 0.442 | 209.1 | -15.6 | -1.11 | 1.391 | 78.5 | 0.920 | 11.898 | 24.1 | 170.6 | 0.949D | 22.847A | 1.40 | 0.130 | 148.4 | 130.8 | -80.3 | 0.184 |
| | | 9.37 | 4.88 | 14.25 | ONE | 18.915 | 186.7 | 39.9 | 55.9 | | | | | | | | | | |
| 46500.0 | 50630.0 | 0.499 | 207.0 | -13.7 | -0.89 | 1.389 | 73.5 | 0.923 | 11.856 | 34.3 | 170.9 | 0.910D | 22.801A | 1.12 | 0.129 | 148.8 | 132.0 | -80.0 | 0.185 |
| | | 10.72 | 4.89 | 15.60 | ONE | 18.915 | 186.7 | 39.9 | 56.3 | | | | | | | | | | |
| 46510.0 | 50630.0 | 0.569 | 206.9 | -12.9 | -0.76 | 1.387 | 68.6 | 0.927 | 11.798 | 44.7 | 171.3 | 0.858D | 22.738A | 0.93 | 0.127 | 149.3 | 133.8 | -79.6 | 0.186 |
| | | 12.41 | 4.90 | 17.32 | ONE | 18.915 | 186.7 | 39.9 | 56.8 | | | | | | | | | | |
| 46520.0 | 50630.0 | 0.646 | 208.2 | -13.0 | -0.68 | 1.385 | 63.5 | 0.932 | 11.728 | 55.0 | 171.7 | 0.793D | 22.662A | 0.78 | 0.125 | 150.1 | 136.0 | -79.1 | 0.188 |
| | | 14.38 | 4.92 | 19.30 | ONE | 18.915 | 186.7 | 39.9 | 57.5 | | | | | | | | | | |
| ARRIVAL DATE = 2450730.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 50730.0 | 0.593 | 239.0 | -18.2 | 0.99 | 1.395 | 112.3 | 0.927 | 11.492 | 313.5 | 532.2 | 0.836 | 22.147A | -0.31 | 0.118 | 147.1 | 138.7 | -78.0 | 0.181 |
| | | 13.03 | 4.84 | 17.88 | TWO | 19.467 | 186.4 | 38.8 | 59.7 | | | | | | | | | | |
| 46430.0 | 50730.0 | 0.525 | 240.4 | -17.3 | 1.29 | 1.396 | 107.6 | 0.923 | 11.565 | 323.3 | 531.8 | 0.890 | 22.240A | -0.67 | 0.120 | 146.7 | 135.8 | -78.4 | 0.181 |
| | | 11.35 | 4.83 | 16.18 | TWO | 19.467 | 186.4 | 38.8 | 59.0 | | | | | | | | | | |
| 46440.0 | 50730.0 | 0.466 | 240.0 | -14.7 | 1.96 | 1.396 | 102.9 | 0.920 | 11.625 | 333.1 | 531.5 | 0.933 | 22.318A | -1.40 | 0.122 | 146.4 | 132.7 | -78.6 | 0.180 |
| | | 9.94 | 4.83 | 14.77 | TWO | 19.467 | 186.4 | 38.8 | 58.4 | | | | | | | | | | |
| 46450.0 | 50730.0 | 0.427 | 238.8 | -5.8 | 4.34 | 1.395 | 98.1 | 0.917 | 11.670 | 343.1 | 531.3 | 0.964 | 22.377A | -3.84 | 0.123 | 146.2 | 128.1 | -78.2 | 0.180 |
| | | 9.03 | 4.82 | 13.85 | TWO | 19.467 | 186.4 | 38.8 | 58.0 | | | | | | | | | | |
| 46460.0 | 50730.0 | 0.526 | 202.6 | -66.9 | -17.21 | 1.395 | 93.2 | 0.916 | 11.699 | 353.2 | 531.1 | 0.982 | 22.416A | 17.66 | 0.124 | 146.1 | 170.6 | -82.4 | 0.183 |
| | | 11.35 | 4.87 | 16.22 | ONE | 19.467 | 186.4 | 38.8 | 58.5 | | | | | | | | | | |
| 46470.0 | 50730.0 | 0.385 | 219.0 | -26.5 | -2.94 | 1.394 | 88.5 | 0.916 | 11.710 | 3.2 | 171.1 | 0.986D | 22.434A | 3.34 | 0.124 | 146.2 | 136.5 | -80.5 | 0.179 |
| | | 8.12 | 4.82 | 12.94 | ONE | 19.467 | 186.4 | 38.8 | 57.6 | | | | | | | | | | |
| 46480.0 | 50730.0 | 0.400 | 213.8 | -19.6 | -1.63 | 1.392 | 83.6 | 0.917 | 11.704 | 13.4 | 171.1 | 0.976D | 22.432A | 1.98 | 0.124 | 146.3 | 134.5 | -80.1 | 0.180 |
| | | 8.43 | 4.82 | 13.26 | ONE | 19.467 | 186.4 | 38.8 | 57.7 | | | | | | | | | | |
| 46490.0 | 50730.0 | 0.439 | 209.7 | -15.9 | -1.16 | 1.390 | 78.7 | 0.919 | 11.680 | 23.6 | 171.3 | 0.951D | 22.410A | 1.44 | 0.124 | 146.5 | 134.5 | -79.8 | 0.180 |
| | | 9.31 | 4.83 | 14.14 | ONE | 19.467 | 186.4 | 38.8 | 57.9 | | | | | | | | | | |
| 46500.0 | 50730.0 | 0.496 | 207.5 | -14.0 | -0.92 | 1.388 | 73.8 | 0.922 | 11.641 | 33.9 | 171.5 | 0.912D | 22.370A | 1.14 | 0.122 | 146.9 | 135.5 | -79.4 | 0.181 |
| | | 10.63 | 4.84 | 15.47 | ONE | 19.467 | 186.4 | 38.8 | 58.3 | | | | | | | | | | |
| 46510.0 | 50730.0 | 0.564 | 207.3 | -13.2 | -0.78 | 1.386 | 68.8 | 0.926 | 11.588 | 44.1 | 171.9 | 0.861D | 22.315A | 0.94 | 0.121 | 147.5 | 137.0 | -79.0 | 0.182 |
| | | 12.30 | 4.85 | 17.16 | ONE | 19.467 | 186.4 | 38.8 | 58.8 | | | | | | | | | | |
| 46520.0 | 50730.0 | 0.641 | 208.6 | -13.2 | -0.70 | 1.384 | 63.8 | 0.931 | 11.523 | 54.5 | 172.3 | 0.797D | 22.249A | 0.79 | 0.119 | 148.2 | 139.0 | -78.5 | 0.184 |
| | | 14.25 | 4.87 | 19.12 | ONE | 19.467 | 186.4 | 38.8 | 59.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450830.0 | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 50830.0 | 0.597 | 239.5 | -18.3 | 0.98 | 1.395 | 112.6 | 0.926 | 11.316 | 313.0 | 532.8 | 0.833 | 21.800A | -0.30 | 0.112 | 145.1 | 141.4 | -77.3 | 0.178 |
| | | 13.12 | 4.80 | 17.92 | TWO | 20.797 | 186.2 | 37.8 | 61.7 | | | | | | | | | | |
| 46430.0 | 50830.0 | 0.528 | 240.9 | -17.5 | 1.27 | 1.395 | 107.8 | 0.922 | 11.385 | 322.8 | 532.4 | 0.887 | 21.882A | -0.65 | 0.114 | 144.7 | 138.7 | -77.8 | 0.177 |
| | | 11.42 | 4.79 | 16.21 | TWO | 20.797 | 186.2 | 37.8 | 61.0 | | | | | | | | | | |
| 46440.0 | 50830.0 | 0.468 | 240.6 | -15.1 | 1.88 | 1.395 | 103.1 | 0.919 | 11.441 | 332.7 | 532.1 | 0.931 | 21.951A | -1.32 | 0.116 | 144.4 | 135.9 | -78.0 | 0.176 |
| | | 9.99 | 4.79 | 14.77 | TWO | 20.797 | 186.2 | 37.8 | 60.4 | | | | | | | | | | |
| 46450.0 | 50830.0 | 0.426 | 239.1 | -7.5 | 3.89 | 1.395 | 98.3 | 0.916 | 11.483 | 342.6 | 531.9 | 0.962 | 22.004A | -3.39 | 0.117 | 144.3 | 131.8 | -77.7 | 0.176 |
| | | 9.02 | 4.78 | 13.80 | TWO | 20.797 | 186.2 | 37.8 | 60.0 | | | | | | | | | | |
| 46470.0 | 50830.0 | 0.386 | 219.4 | -27.9 | -3.27 | 1.393 | 88.7 | 0.914 | 11.521 | 2.8 | 171.7 | 0.986D | 22.056A | 3.66 | 0.118 | 144.2 | 140.6 | -79.9 | 0.176 |
| | | 8.13 | 4.78 | 12.91 | ONE | 20.797 | 186.2 | 37.8 | 59.6 | | | | | | | | | | |
| 46480.0 | 50830.0 | 0.398 | 214.5 | -20.2 | -1.74 | 1.392 | 83.8 | 0.915 | 11.515 | 12.9 | 171.7 | 0.977D | 22.054A | 2.07 | 0.118 | 144.3 | 138.1 | -79.5 | 0.176 |
| | | 8.40 | 4.78 | 13.18 | ONE | 20.797 | 186.2 | 37.8 | 59.6 | | | | | | | | | | |
| 46490.0 | 50830.0 | 0.436 | 210.3 | -16.4 | -1.21 | 1.390 | 79.0 | 0.917 | 11.494 | 23.1 | 171.9 | 0.953D | 22.035A | 1.49 | 0.118 | 144.6 | 137.9 | -79.2 | 0.176 |
| | | 9.24 | 4.79 | 14.03 | ONE | 20.797 | 186.2 | 37.8 | 59.8 | | | | | | | | | | |
| 46500.0 | 50830.0 | 0.492 | 208.0 | -14.3 | -0.95 | 1.388 | 74.0 | 0.920 | 11.458 | 33.3 | 172.1 | 0.915D | 22.001A | 1.17 | 0.116 | 145.0 | 138.6 | -78.8 | 0.177 |
| | | 10.54 | 4.80 | 15.33 | ONE | 20.797 | 186.2 | 37.8 | 60.2 | | | | | | | | | | |
| 46510.0 | 50830.0 | 0.560 | 207.7 | -13.4 | -0.80 | 1.386 | 69.1 | 0.924 | 11.408 | 43.6 | 172.4 | 0.864D | 21.953A | 0.96 | 0.115 | 145.5 | 139.9 | -78.4 | 0.178 |
| | | 12.19 | 4.81 | 17.00 | ONE | 20.797 | 186.2 | 37.8 | 60.7 | | | | | | | | | | |
| 46520.0 | 50830.0 | 0.636 | 209.0 | -13.4 | -0.72 | 1.384 | 64.1 | 0.929 | 11.348 | 53.9 | 172.8 | 0.801D | 21.895A | 0.80 | 0.113 | 146.2 | 141.6 | -77.9 | 0.180 |
| | | 14.12 | 4.83 | 18.95 | ONE | 20.797 | 186.2 | 37.8 | 61.3 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2450930.0** | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 50930.0 | 0.600 | 240.0 | -18.5 | 0.97 | 1.394 | 112.8 | 0.926 | 11.166 | 312.4 | 533.4 | 0.830 | 21.502A | -0.29 | 0.106 | 143.0 | 143.8 | -76.6 | 0.175 |
| | | 13.21 | 4.77 | 17.98 | TWO | 19.936 | 185.9 | 36.7 | 63.7 | | | | | | | | | | |
| 46430.0 | 50930.0 | 0.531 | 241.4 | -17.7 | 1.24 | 1.395 | 108.1 | 0.921 | 11.230 | 322.3 | 533.0 | 0.885 | 21.575A | -0.63 | 0.108 | 142.6 | 141.4 | -77.1 | 0.174 |
| | | 11.49 | 4.76 | 16.25 | TWO | 19.936 | 185.9 | 36.7 | 63.0 | | | | | | | | | | |
| 46440.0 | 50930.0 | 0.471 | 241.1 | -15.5 | 1.81 | 1.395 | 103.3 | 0.918 | 11.282 | 332.2 | 532.7 | 0.929 | 21.636A | -1.26 | 0.110 | 142.4 | 138.8 | -77.4 | 0.173 |
| | | 10.04 | 4.75 | 14.79 | TWO | 19.936 | 185.9 | 36.7 | 62.4 | | | | | | | | | | |
| 46450.0 | 50930.0 | 0.426 | 239.6 | -8.8 | 3.53 | 1.394 | 98.5 | 0.915 | 11.322 | 342.1 | 532.5 | 0.961 | 21.683A | -3.03 | 0.112 | 142.2 | 135.1 | -77.2 | 0.172 |
| | | 9.02 | 4.74 | 13.77 | TWO | 19.936 | 185.9 | 36.7 | 62.0 | | | | | | | | | | |
| 46470.0 | 50930.0 | 0.387 | 219.8 | -29.5 | -3.68 | 1.393 | 88.9 | 0.913 | 11.358 | 2.3 | 172.3 | 0.986D | 21.730A | 4.06 | 0.113 | 142.2 | 144.4 | -79.4 | 0.172 |
| | | 8.15 | 4.74 | 12.89 | ONE | 19.936 | 185.9 | 36.7 | 61.6 | | | | | | | | | | |
| 46480.0 | 50930.0 | 0.397 | 215.1 | -20.9 | -1.85 | 1.391 | 84.1 | 0.914 | 11.353 | 12.4 | 172.3 | 0.977D | 21.729A | 2.18 | 0.113 | 142.3 | 141.3 | -78.9 | 0.172 |
| | | 8.36 | 4.74 | 13.10 | ONE | 19.936 | 185.9 | 36.7 | 61.6 | | | | | | | | | | |
| 46490.0 | 50930.0 | 0.433 | 210.9 | -16.8 | -1.27 | 1.389 | 79.2 | 0.916 | 11.334 | 22.6 | 172.5 | 0.954D | 21.713A | 1.54 | 0.112 | 142.5 | 140.9 | -78.6 | 0.173 |
| | | 9.18 | 4.75 | 14.02 | ONE | 19.936 | 185.9 | 36.7 | 61.8 | | | | | | | | | | |
| 46500.0 | 50930.0 | 0.488 | 208.6 | -14.6 | -0.99 | 1.387 | 74.3 | 0.919 | 11.300 | 32.8 | 172.7 | 0.917D | 21.683A | 1.19 | 0.111 | 142.9 | 141.4 | -78.2 | 0.174 |
| | | 10.45 | 4.76 | 15.21 | ONE | 19.936 | 185.9 | 36.7 | 62.1 | | | | | | | | | | |
| 46510.0 | 50930.0 | 0.555 | 208.2 | -13.7 | -0.83 | 1.385 | 69.4 | 0.923 | 11.254 | 43.1 | 173.0 | 0.867D | 21.642A | 0.97 | 0.109 | 143.4 | 142.5 | -77.8 | 0.175 |
| | | 12.08 | 4.77 | 16.85 | ONE | 19.936 | 185.9 | 36.7 | 62.6 | | | | | | | | | | |
| 46520.0 | 50930.0 | 0.631 | 209.4 | -13.6 | -0.73 | 1.383 | 64.4 | 0.928 | 11.198 | 53.3 | 173.3 | 0.805D | 21.591A | 0.81 | 0.107 | 144.1 | 143.9 | -77.3 | 0.177 |
| | | 13.99 | 4.79 | 18.78 | ONE | 19.936 | 185.9 | 36.7 | 63.2 | | | | | | | | | | |
| **ARRIVAL DATE = 2451030.0** | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 51030.0 | 0.604 | 240.4 | -18.6 | 0.96 | 1.394 | 113.1 | 0.925 | 11.036 | 311.9 | 533.9 | 0.827 | 21.246A | -0.29 | 0.100 | 140.8 | 146.0 | -75.9 | 0.172 |
| | | 13.30 | 4.74 | 18.04 | TWO | 18.845 | 185.7 | 35.6 | 65.7 | | | | | | | | | | |
| 46430.0 | 51030.0 | 0.535 | 241.9 | -17.9 | 1.22 | 1.394 | 108.3 | 0.921 | 11.096 | 321.7 | 533.6 | 0.882 | 21.311A | -0.61 | 0.103 | 140.4 | 143.8 | -76.4 | 0.171 |
| | | 11.57 | 4.73 | 16.29 | TWO | 18.845 | 185.7 | 35.6 | 64.9 | | | | | | | | | | |
| 46440.0 | 51030.0 | 0.473 | 241.7 | -15.8 | 1.75 | 1.394 | 103.6 | 0.917 | 11.146 | 331.6 | 533.3 | 0.927 | 21.365A | -1.20 | 0.105 | 140.2 | 141.4 | -76.7 | 0.170 |
| | | 10.10 | 4.72 | 14.82 | TWO | 18.845 | 185.7 | 35.6 | 64.3 | | | | | | | | | | |
| 46450.0 | 51030.0 | 0.427 | 240.1 | -9.9 | 3.24 | 1.394 | 98.8 | 0.914 | 11.183 | 341.6 | 533.1 | 0.960 | 21.407A | -2.75 | 0.106 | 140.0 | 138.1 | -76.7 | 0.169 |
| | | 9.04 | 4.71 | 13.75 | TWO | 18.845 | 185.7 | 35.6 | 63.9 | | | | | | | | | | |
| 46470.0 | 51030.0 | 0.388 | 220.1 | -31.5 | -4.18 | 1.392 | 89.2 | 0.912 | 11.218 | 1.8 | 172.9 | 0.986D | 21.449A | 4.56 | 0.108 | 140.0 | 148.0 | -78.8 | 0.169 |
| | | 8.19 | 4.71 | 12.89 | ONE | 18.845 | 185.7 | 35.6 | 63.5 | | | | | | | | | | |
| 46480.0 | 51030.0 | 0.395 | 215.8 | -21.6 | -1.98 | 1.391 | 84.3 | 0.913 | 11.214 | 11.9 | 172.9 | 0.978D | 21.449A | 2.30 | 0.107 | 140.1 | 144.2 | -78.3 | 0.169 |
| | | 8.33 | 4.71 | 13.04 | ONE | 18.845 | 185.7 | 35.6 | 63.5 | | | | | | | | | | |
| 46490.0 | 51030.0 | 0.430 | 211.5 | -17.3 | -1.33 | 1.389 | 79.5 | 0.915 | 11.196 | 22.1 | 173.0 | 0.956D | 21.436A | 1.59 | 0.107 | 140.3 | 143.6 | -77.9 | 0.170 |
| | | 9.11 | 4.71 | 13.83 | ONE | 18.845 | 185.7 | 35.6 | 63.7 | | | | | | | | | | |
| 46500.0 | 51030.0 | 0.484 | 209.2 | -14.9 | -1.02 | 1.387 | 74.6 | 0.918 | 11.165 | 32.3 | 173.2 | 0.920D | 21.410A | 1.22 | 0.106 | 140.7 | 143.9 | -77.6 | 0.171 |
| | | 10.36 | 4.72 | 15.09 | ONE | 18.845 | 185.7 | 35.6 | 64.0 | | | | | | | | | | |
| 46510.0 | 51030.0 | 0.551 | 208.7 | -13.9 | -0.85 | 1.385 | 69.7 | 0.922 | 11.122 | 42.5 | 173.5 | 0.871D | 21.374A | 0.99 | 0.104 | 141.2 | 144.8 | -77.1 | 0.172 |
| | | 11.97 | 4.74 | 16.71 | ONE | 18.845 | 185.7 | 35.6 | 64.5 | | | | | | | | | | |
| 46520.0 | 51030.0 | 0.626 | 209.9 | -13.8 | -0.75 | 1.383 | 64.7 | 0.927 | 11.069 | 52.7 | 173.8 | 0.809D | 21.329A | 0.82 | 0.102 | 141.9 | 146.0 | -76.6 | 0.174 |
| | | 13.86 | 4.76 | 18.62 | ONE | 18.845 | 185.7 | 35.6 | 65.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2451130.0** | | | | | | | | | | | | | | | | | | | |
| 46420.0 | 51130.0 | 0.608 | 240.9 | -18.7 | 0.95 | 1.393 | 113.3 | 0.925 | 10.924 | 311.3 | 534.4 | 0.823 | 21.026A | -0.28 | 0.095 | 138.4 | 147.9 | -75.2 | 0.170 |
| | | 13.41 | 4.71 | 18.12 | TWO | 20.034 | 185.5 | 34.5 | 67.6 | | | | | | | | | | |
| 46430.0 | 51130.0 | 0.538 | 242.5 | -18.0 | 1.20 | 1.394 | 108.6 | 0.920 | 10.981 | 321.2 | 534.1 | 0.879 | 21.083A | -0.59 | 0.098 | 138.1 | 145.9 | -75.7 | 0.168 |
| | | 11.66 | 4.70 | 16.35 | TWO | 20.034 | 185.5 | 34.5 | 66.9 | | | | | | | | | | |
| 46440.0 | 51130.0 | 0.476 | 242.4 | -16.1 | 1.69 | 1.394 | 103.8 | 0.916 | 11.028 | 331.1 | 533.8 | 0.925 | 21.132A | -1.14 | 0.100 | 137.9 | 143.7 | -76.1 | 0.167 |
| | | 10.17 | 4.69 | 14.85 | TWO | 20.034 | 185.5 | 34.5 | 66.3 | | | | | | | | | | |
| 46450.0 | 51130.0 | 0.428 | 240.6 | -10.8 | 3.00 | 1.394 | 99.0 | 0.913 | 11.064 | 341.1 | 533.6 | 0.958 | 21.169A | -2.51 | 0.101 | 137.7 | 140.7 | -76.1 | 0.167 |
| | | 9.07 | 4.68 | 13.75 | TWO | 20.034 | 185.5 | 34.5 | 65.8 | | | | | | | | | | |
| 46460.0 | 51130.0 | 0.503 | 246.2 | 26.1 | 15.32 | 1.393 | 94.3 | 0.912 | 11.087 | 351.0 | 533.5 | 0.979 | 21.195A | -14.89 | 0.102 | 137.7 | 128.0 | -72.5 | 0.169 |
| | | 10.79 | 4.71 | 15.50 | TWO | 20.034 | 185.5 | 34.5 | 66.0 | | | | | | | | | | |
| 46470.0 | 51130.0 | 0.391 | 220.3 | -33.9 | -4.82 | 1.392 | 89.4 | 0.911 | 11.097 | 1.2 | 173.4 | 0.986D | 21.208A | 5.19 | 0.103 | 137.7 | 151.4 | -78.2 | 0.167 |
| | | 8.25 | 4.68 | 12.92 | ONE | 20.034 | 185.5 | 34.5 | 65.5 | | | | | | | | | | |
| 46480.0 | 51130.0 | 0.394 | 216.5 | -22.4 | -2.12 | 1.390 | 84.6 | 0.912 | 11.094 | 11.3 | 173.5 | 0.979D | 21.208A | 2.44 | 0.103 | 137.8 | 146.8 | -77.6 | 0.166 |
| | | 8.30 | 4.68 | 12.97 | ONE | 20.034 | 185.5 | 34.5 | 65.4 | | | | | | | | | | |
| 46490.0 | 51130.0 | 0.428 | 212.2 | -17.8 | -1.39 | 1.389 | 79.7 | 0.914 | 11.077 | 21.5 | 173.6 | 0.958D | 21.197A | 1.64 | 0.102 | 138.0 | 145.9 | -77.3 | 0.167 |
| | | 9.05 | 4.68 | 13.73 | ONE | 20.034 | 185.5 | 34.5 | 65.6 | | | | | | | | | | |
| 46500.0 | 51130.0 | 0.480 | 209.8 | -15.3 | -1.06 | 1.387 | 74.9 | 0.917 | 11.048 | 31.7 | 173.7 | 0.922D | 21.175A | 1.25 | 0.101 | 138.4 | 146.1 | -76.9 | 0.168 |
| | | 10.27 | 4.69 | 14.96 | ONE | 20.034 | 185.5 | 34.5 | 65.9 | | | | | | | | | | |
| 46510.0 | 51130.0 | 0.546 | 209.2 | -14.2 | -0.88 | 1.385 | 70.0 | 0.921 | 11.008 | 41.9 | 174.0 | 0.874D | 21.143A | 1.00 | 0.099 | 138.8 | 146.8 | -76.5 | 0.169 |
| | | 11.86 | 4.71 | 16.56 | ONE | 20.034 | 185.5 | 34.5 | 66.4 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46520.0 | 51130.0 | 0.621 | 210.4 | -14.0 | -0.77 | 1.382 | 65.0 | 0.926 | 10.959 | 52.1 | 174.3 | 0.814D | 21.104A | 0.83 | 0.097 | 139.5 | 147.8 | -76.0 | 0.171 |
| | | 13.73 | 4.73 | 18.45 | ONE | 20.034 | 185.5 | 34.5 | 66.9 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2451330.0 | | | | | | | | | | |
| 46420.0 | 51330.0 | 0.617 | 242.0 | -19.0 | 0.94 | 1.393 | 113.9 | 0.924 | 10.745 | 316.1 | 535.4 | 0.816 | 20.675A | -0.27 | 0.086 | 133.2 | 151.1 | -73.8 | 0.166 |
| | | 13.63 | 4.67 | 18.29 | TWO | 19.478 | 185.0 | 32.4 | 71.4 | | | | | | | | | | |
| 46430.0 | 51330.0 | 0.546 | 243.7 | -18.4 | 1.16 | 1.393 | 109.1 | 0.919 | 10.797 | 320.0 | 535.1 | 0.873 | 20.720A | -0.56 | 0.089 | 133.0 | 149.4 | -74.4 | 0.164 |
| | | 11.84 | 4.65 | 16.49 | TWO | 19.478 | 185.0 | 32.4 | 70.7 | | | | | | | | | | |
| 46440.0 | 51330.0 | 0.482 | 243.7 | -16.7 | 1.58 | 1.393 | 104.4 | 0.915 | 10.839 | 329.9 | 534.9 | 0.920 | 20.759A | -1.05 | 0.091 | 132.8 | 147.5 | -74.8 | 0.163 |
| | | 10.31 | 4.64 | 14.95 | TWO | 19.478 | 185.0 | 32.4 | 70.1 | | | | | | | | | | |
| 46450.0 | 51330.0 | 0.432 | 242.0 | -12.4 | 2.62 | 1.393 | 99.6 | 0.912 | 10.872 | 339.9 | 534.7 | 0.955 | 20.788A | -2.15 | 0.092 | 132.7 | 145.1 | -74.8 | 0.162 |
| | | 9.15 | 4.63 | 13.78 | TWO | 19.478 | 185.0 | 32.4 | 69.7 | | | | | | | | | | |
| 46460.0 | 51330.0 | 0.429 | 241.9 | 7.6 | 8.33 | 1.392 | 94.8 | 0.910 | 10.894 | 349.9 | 534.5 | 0.978 | 20.809A | -7.92 | 0.093 | 132.7 | 137.7 | -73.5 | 0.162 |
| | | 9.07 | 4.64 | 13.71 | TWO | 19.478 | 185.0 | 32.4 | 69.5 | | | | | | | | | | |
| 46470.0 | 51330.0 | 0.403 | 219.7 | -41.0 | -6.83 | 1.391 | 90.0 | 0.910 | 10.903 | 0.1 | 174.5 | 0.987D | 20.820A | 7.19 | 0.094 | 132.7 | 158.6 | -77.1 | 0.162 |
| | | 8.51 | 4.63 | 13.14 | ONE | 19.478 | 185.0 | 32.4 | 69.3 | | | | | | | | | | |
| 46480.0 | 51330.0 | 0.391 | 218.0 | -24.2 | -2.47 | 1.390 | 85.1 | 0.910 | 10.901 | 10.2 | 174.5 | 0.981D | 20.822A | 2.77 | 0.094 | 132.8 | 151.2 | -76.3 | 0.162 |
| | | 8.25 | 4.63 | 12.87 | ONE | 19.478 | 185.0 | 32.4 | 69.2 | | | | | | | | | | |
| 46490.0 | 51330.0 | 0.422 | 213.7 | -18.8 | -1.54 | 1.388 | 80.3 | 0.912 | 10.887 | 20.3 | 174.6 | 0.961D | 20.814A | 1.77 | 0.093 | 133.0 | 149.9 | -76.0 | 0.162 |
| | | 8.93 | 4.63 | 13.56 | ONE | 19.478 | 185.0 | 32.4 | 69.4 | | | | | | | | | | |
| 46500.0 | 51330.0 | 0.473 | 211.0 | -16.1 | -1.14 | 1.386 | 75.4 | 0.915 | 10.862 | 30.5 | 174.7 | 0.928D | 20.797A | 1.32 | 0.092 | 133.3 | 149.8 | -75.7 | 0.163 |
| | | 10.09 | 4.64 | 14.73 | ONE | 19.478 | 185.0 | 32.4 | 69.7 | | | | | | | | | | |
| 46510.0 | 51330.0 | 0.537 | 210.4 | -14.8 | -0.93 | 1.384 | 70.6 | 0.919 | 10.827 | 40.7 | 174.9 | 0.881D | 20.773A | 1.04 | 0.090 | 133.7 | 150.2 | -75.2 | 0.164 |
| | | 11.63 | 4.66 | 16.29 | ONE | 19.478 | 185.0 | 32.4 | 70.1 | | | | | | | | | | |
| 46520.0 | 51330.0 | 0.610 | 211.3 | -14.5 | -0.81 | 1.382 | 65.7 | 0.924 | 10.783 | 50.8 | 175.2 | 0.822D | 20.744A | 0.85 | 0.088 | 134.3 | 150.9 | -74.7 | 0.166 |
| | | 13.46 | 4.67 | 18.14 | ONE | 19.478 | 185.0 | 32.4 | 70.6 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2451530.0 | | | | | | | | | | |
| 46420.0 | 51530.0 | 0.676 | 243.0 | -19.2 | 0.93 | 1.392 | 114.5 | 0.924 | 10.614 | 308.8 | 536.3 | 0.807 | 20.421A | -0.26 | 0.079 | 127.4 | 153.6 | -72.5 | 0.163 |
| | | 13.87 | 4.64 | 18.50 | TWO | 20.547 | 184.6 | 30.2 | 75.1 | | | | | | | | | | |
| 46430.0 | 51530.0 | 0.554 | 244.9 | -18.7 | 1.13 | 1.393 | 109.7 | 0.919 | 10.661 | 318.7 | 536.0 | 0.866 | 20.455A | -0.53 | 0.081 | 127.3 | 152.2 | -73.0 | 0.161 |
| | | 12.05 | 4.62 | 16.67 | TWO | 20.547 | 184.6 | 30.2 | 74.4 | | | | | | | | | | |
| 46440.0 | 51530.0 | 0.489 | 245.1 | -17.3 | 1.50 | 1.393 | 104.9 | 0.914 | 10.700 | 328.7 | 535.8 | 0.915 | 20.485A | -0.97 | 0.083 | 127.2 | 150.6 | -73.5 | 0.160 |
| | | 10.48 | 4.60 | 15.08 | TWO | 20.547 | 184.6 | 30.2 | 73.8 | | | | | | | | | | |
| 46450.0 | 51530.0 | 0.437 | 243.5 | -13.7 | 2.34 | 1.393 | 100.1 | 0.911 | 10.730 | 338.7 | 535.6 | 0.952 | 20.509A | -1.88 | 0.085 | 127.2 | 148.6 | -73.6 | 0.159 |
| | | 9.25 | 4.60 | 13.85 | TWO | 20.547 | 184.6 | 30.2 | 73.4 | | | | | | | | | | |
| 46460.0 | 51530.0 | 0.413 | 241.6 | -0.7 | 5.79 | 1.392 | 95.4 | 0.909 | 10.751 | 348.7 | 535.5 | 0.976 | 20.526A | -5.39 | 0.086 | 127.2 | 143.7 | -73.0 | 0.158 |
| | | 8.73 | 4.59 | 13.32 | TWO | 20.547 | 184.6 | 30.2 | 73.1 | | | | | | | | | | |
| 46470.0 | 51530.0 | 0.445 | 214.8 | -54.5 | -11.34 | 1.391 | 90.5 | 0.908 | 10.761 | 358.9 | 535.5 | 0.986 | 20.535A | 11.68 | 0.087 | 127.3 | 166.8 | -76.2 | 0.160 |
| | | 9.44 | 4.61 | 14.05 | ONE | 20.547 | 184.6 | 30.2 | 73.1 | | | | | | | | | | |
| 46480.0 | 51530.0 | 0.390 | 219.6 | -26.4 | -2.92 | 1.389 | 85.7 | 0.909 | 10.760 | 9.0 | 175.5 | 0.983D | 20.537A | 3.20 | 0.087 | 127.4 | 154.8 | -75.1 | 0.158 |
| | | 8.21 | 4.59 | 12.80 | ONE | 20.547 | 184.6 | 30.2 | 72.9 | | | | | | | | | | |
| 46490.0 | 51530.0 | 0.417 | 215.3 | -20.0 | -1.70 | 1.388 | 80.9 | 0.910 | 10.748 | 19.1 | 175.5 | 0.965D | 20.531A | 1.93 | 0.086 | 127.5 | 153.1 | -74.7 | 0.158 |
| | | 8.81 | 4.59 | 13.40 | ONE | 20.547 | 184.6 | 30.2 | 73.0 | | | | | | | | | | |
| 46500.0 | 51530.0 | 0.465 | 212.4 | -16.9 | -1.23 | 1.386 | 76.1 | 0.913 | 10.726 | 29.2 | 175.6 | 0.933D | 20.519A | 1.39 | 0.085 | 127.7 | 152.8 | -74.4 | 0.159 |
| | | 9.91 | 4.60 | 14.52 | ONE | 20.547 | 184.6 | 30.2 | 73.3 | | | | | | | | | | |
| 46510.0 | 51530.0 | 0.528 | 211.6 | -15.4 | -0.99 | 1.384 | 71.2 | 0.917 | 10.695 | 39.4 | 175.8 | 0.888D | 20.502A | 1.08 | 0.083 | 128.1 | 152.9 | -74.0 | 0.161 |
| | | 11.41 | 4.62 | 16.02 | ONE | 20.547 | 184.6 | 30.2 | 73.7 | | | | | | | | | | |
| 46520.0 | 51530.0 | 0.600 | 212.4 | -15.0 | -0.85 | 1.381 | 66.3 | 0.922 | 10.655 | 49.5 | 176.0 | 0.831D | 20.479A | 0.87 | 0.081 | 128.5 | 153.4 | -73.5 | 0.162 |
| | | 13.19 | 4.63 | 17.83 | ONE | 20.547 | 184.6 | 30.2 | 74.1 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2451730.0 | | | | | | | | | | |
| 46420.0 | 51730.0 | 0.636 | 244.1 | -19.5 | 0.91 | 1.392 | 115.1 | 0.924 | 10.520 | 307.5 | 537.1 | 0.799 | 20.240A | -0.25 | 0.073 | 121.0 | 155.6 | -71.3 | 0.160 |
| | | 14.13 | 4.61 | 18.74 | TWO | 19.118 | 184.2 | 28.1 | 78.6 | | | | | | | | | | |
| 46430.0 | 51730.0 | 0.563 | 246.2 | -19.1 | 1.09 | 1.393 | 110.3 | 0.919 | 10.563 | 317.4 | 536.9 | 0.859 | 20.266A | -0.51 | 0.075 | 121.0 | 154.3 | -71.8 | 0.159 |
| | | 12.28 | 4.59 | 16.87 | TWO | 19.118 | 184.2 | 28.1 | 78.0 | | | | | | | | | | |
| 46440.0 | 51730.0 | 0.497 | 246.6 | -17.8 | 1.42 | 1.393 | 105.5 | 0.914 | 10.599 | 327.4 | 536.7 | 0.909 | 20.289A | -0.90 | 0.077 | 121.1 | 153.0 | -72.2 | 0.157 |
| | | 10.66 | 4.58 | 15.24 | TWO | 19.118 | 184.2 | 28.1 | 77.4 | | | | | | | | | | |
| 46450.0 | 51730.0 | 0.442 | 245.1 | -14.8 | 2.13 | 1.392 | 100.7 | 0.911 | 10.628 | 337.4 | 536.5 | 0.948 | 20.307A | -1.67 | 0.079 | 121.2 | 151.3 | -72.4 | 0.156 |
| | | 9.38 | 4.57 | 13.95 | TWO | 19.118 | 184.2 | 28.1 | 77.0 | | | | | | | | | | |
| 46460.0 | 51730.0 | 0.410 | 242.5 | -5.5 | 4.48 | 1.392 | 96.0 | 0.909 | 10.647 | 347.5 | 536.4 | 0.974 | 20.321A | -4.09 | 0.080 | 121.3 | 147.8 | -72.1 | 0.155 |
| | | 8.65 | 4.56 | 13.21 | TWO | 19.118 | 184.2 | 28.1 | 76.7 | | | | | | | | | | |
| 46480.0 | 51730.0 | 0.389 | 221.0 | -29.2 | -3.53 | 1.389 | 86.3 | 0.908 | 10.657 | 7.7 | 176.4 | 0.984D | 20.330A | 3.80 | 0.081 | 121.4 | 158.0 | -74.0 | 0.155 |
| | | 8.21 | 4.56 | 12.77 | ONE | 19.118 | 184.2 | 28.1 | 76.5 | | | | | | | | | | |
| 46490.0 | 51730.0 | 0.412 | 217.0 | -21.3 | -1.90 | 1.387 | 81.5 | 0.909 | 10.647 | 17.8 | 176.4 | 0.968D | 20.327A | 2.11 | 0.080 | 121.5 | 155.7 | -73.6 | 0.156 |
| | | 8.70 | 4.56 | 13.26 | ONE | 19.118 | 184.2 | 28.1 | 76.6 | | | | | | | | | | |

1986
EARTH-URANUS

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46500.0 | 51730.0 | 0.458 | 213.9 | -17.8 | -1.33 | 1.385 | 76.7 | 0.912 | 10.628 | 27.9 | 176.5 | 0.938D | 20.318A | 1.48 | 0.079 | 121.7 | 155.1 | -73.2 | 0.156 |
| | | 9.74 | 4.57 | 14.31 | ONE | 19.118 | 184.2 | 28.1 | 76.8 | | | | | | | | | | |
| 46510.0 | 51730.0 | 0.518 | 212.8 | -16.1 | -1.05 | 1.383 | 71.9 | 0.916 | 10.600 | 38.0 | 176.6 | 0.895D | 20.305A | 1.13 | 0.077 | 121.9 | 155.1 | -72.9 | 0.158 |
| | | 11.18 | 4.59 | 15.77 | ONE | 19.118 | 184.2 | 28.1 | 77.1 | | | | | | | | | | |
| 46520.0 | 51730.0 | 0.589 | 213.5 | -15.5 | -0.89 | 1.381 | 67.0 | 0.921 | 10.564 | 48.1 | 176.8 | 0.840D | 20.289A | 0.90 | 0.075 | 122.2 | 155.4 | -72.4 | 0.160 |
| | | 12.92 | 4.60 | 17.53 | ONE | 19.118 | 184.2 | 28.1 | 77.6 | | | | | | | | | | |

ARRIVAL DATE = 2451930.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46420.0 | 51930.0 | 0.647 | 245.2 | -19.7 | 0.90 | 1.392 | 115.8 | 0.924 | 10.454 | 306.1 | 537.9 | 0.790 | 20.119A | -0.24 | 0.068 | 114.0 | 157.1 | -70.2 | 0.159 |
| | | 14.41 | 4.60 | 19.01 | TWO | 20.882 | 183.9 | 25.9 | 82.0 | | | | | | | | | | |
| 46430.0 | 51930.0 | 0.573 | 247.5 | -19.4 | 1.06 | 1.392 | 111.0 | 0.919 | 10.495 | 316.1 | 537.7 | 0.852 | 20.138A | -0.48 | 0.070 | 114.3 | 156.1 | -70.7 | 0.157 |
| | | 12.52 | 4.58 | 17.10 | TWO | 20.882 | 183.9 | 25.9 | 81.4 | | | | | | | | | | |
| 46440.0 | 51930.0 | 0.505 | 248.1 | -18.3 | 1.36 | 1.392 | 106.2 | 0.914 | 10.529 | 326.1 | 537.5 | 0.903 | 20.154A | -0.85 | 0.072 | 114.5 | 154.9 | -71.1 | 0.155 |
| | | 10.86 | 4.56 | 15.42 | TWO | 20.882 | 183.9 | 25.9 | 80.9 | | | | | | | | | | |
| 46450.0 | 51930.0 | 0.448 | 246.8 | -15.7 | 1.95 | 1.392 | 101.4 | 0.911 | 10.556 | 336.1 | 537.4 | 0.944 | 20.168A | -1.51 | 0.074 | 114.7 | 153.5 | -71.4 | 0.154 |
| | | 9.52 | 4.55 | 14.07 | TWO | 20.882 | 183.9 | 25.9 | 80.4 | | | | | | | | | | |
| 46460.0 | 51930.0 | 0.410 | 243.9 | -8.6 | 3.68 | 1.391 | 96.6 | 0.908 | 10.575 | 346.2 | 537.3 | 0.971 | 20.178A | -3.30 | 0.075 | 114.9 | 150.8 | -71.2 | 0.153 |
| | | 8.66 | 4.54 | 13.21 | TWO | 20.882 | 183.9 | 25.9 | 80.1 | | | | | | | | | | |
| 46480.0 | 51930.0 | 0.391 | 222.3 | -32.9 | -4.43 | 1.389 | 87.0 | 0.907 | 10.586 | 6.4 | 177.2 | 0.985D | 20.186A | 4.69 | 0.076 | 115.1 | 161.0 | -72.9 | 0.153 |
| | | 8.25 | 4.54 | 12.79 | ONE | 20.882 | 183.9 | 25.9 | 79.9 | | | | | | | | | | |
| 46490.0 | 51930.0 | 0.407 | 218.7 | -22.8 | -2.15 | 1.387 | 82.2 | 0.908 | 10.577 | 16.5 | 177.2 | 0.971D | 20.184A | 2.34 | 0.075 | 115.2 | 157.8 | -72.5 | 0.153 |
| | | 8.60 | 4.54 | 13.14 | ONE | 20.882 | 183.9 | 25.9 | 80.0 | | | | | | | | | | |
| 46500.0 | 51930.0 | 0.450 | 215.5 | -18.7 | -1.45 | 1.385 | 77.3 | 0.911 | 10.561 | 26.6 | 177.3 | 0.943D | 20.178A | 1.57 | 0.074 | 115.3 | 157.0 | -72.2 | 0.154 |
| | | 9.57 | 4.55 | 14.12 | ONE | 20.882 | 183.9 | 25.9 | 80.2 | | | | | | | | | | |
| 46510.0 | 51930.0 | 0.509 | 214.2 | -16.8 | -1.12 | 1.383 | 72.5 | 0.914 | 10.535 | 36.7 | 177.4 | 0.902D | 20.169A | 1.18 | 0.073 | 115.3 | 156.8 | -71.8 | 0.156 |
| | | 10.95 | 4.56 | 15.52 | ONE | 20.882 | 183.9 | 25.9 | 80.5 | | | | | | | | | | |
| 46520.0 | 51930.0 | 0.578 | 214.7 | -16.0 | -0.94 | 1.381 | 67.7 | 0.919 | 10.503 | 46.7 | 177.6 | 0.848D | 20.158A | 0.92 | 0.071 | 115.4 | 157.0 | -71.4 | 0.157 |
| | | 12.66 | 4.58 | 17.24 | ONE | 20.882 | 183.9 | 25.9 | 80.8 | | | | | | | | | | |

EARTH - NEPTUNE TRAJECTORY DATA

FOR THE YEARS 1976 - 1986

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2445000.0** | | | | | | | | | | | | | | | | | | | |
| **ARRIVAL DATE = 2445200.0** | | | | | | | | | | | | | | | | | | | |
| 43170.0 | 45200.0 | 0.630 | 237.2 | -15.0 | 1.95 | 1.614 | 98.2 | 1.557 | -1.738 | 346.6 | 486.1 | 0.968 | NA | -0.24 | 0.801 | 176.3 | 63.9 | 26.3 | 0.811 |
| | | 13.97 | 17.95 | 31.92 | ONE | 29.744 | 254.1 | -27.9 | 9.2 | | | | | | | | | | |
| 43180.0 | 45200.0 | 0.605 | 232.0 | -14.4 | 1.64 | 1.615 | 92.2 | 1.570 | -1.728 | 356.3 | 485.7 | 0.985 | NA | 0.20 | 0.803 | 176.2 | 64.0 | 26.3 | 0.813 |
| | | 13.33 | 18.01 | 31.33 | ONE | 29.744 | 254.1 | -27.9 | 9.1 | | | | | | | | | | |
| 43190.0 | 45200.0 | 0.607 | 225.8 | -13.3 | 1.45 | 1.614 | 86.1 | 1.572 | -1.720 | 6.4 | 125.6 | 0.984D | NA | 0.53 | 0.805 | 176.3 | 64.0 | 26.3 | 0.814 |
| | | 13.39 | 18.05 | 31.44 | ONE | 29.744 | 254.1 | -27.9 | 9.1 | | | | | | | | | | |
| 43200.0 | 45200.0 | 0.640 | 219.8 | -12.0 | 1.34 | 1.614 | 79.7 | 1.563 | -1.713 | 16.8 | 126.0 | 0.964D | NA | 0.80 | 0.806 | 176.3 | 64.0 | 26.3 | 0.816 |
| | | 14.23 | 18.09 | 32.32 | ONE | 29.744 | 254.1 | -27.9 | 9.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2445400.0** | | | | | | | | | | | | | | | | | | | |
| 43160.0 | 45400.0 | 0.622 | 237.6 | -13.6 | 2.55 | 1.574 | 102.0 | 1.422 | -2.245 | 339.7 | 490.5 | 0.948 | NA | -0.96 | 0.715 | 176.0 | 63.9 | 26.2 | 0.727 |
| | | 13.76 | 15.83 | 29.59 | ONE | 30.466 | 255.4 | -28.0 | 10.4 | | | | | | | | | | |
| 43170.0 | 45400.0 | 0.580 | 233.5 | -13.8 | 1.96 | 1.575 | 96.4 | 1.437 | -2.229 | 349.2 | 489.9 | 0.974 | NA | -0.25 | 0.717 | 175.9 | 64.0 | 26.3 | 0.728 |
| | | 12.71 | 15.88 | 28.59 | ONE | 30.466 | 255.4 | -28.0 | 10.3 | | | | | | | | | | |
| 43180.0 | 45400.0 | 0.562 | 227.8 | -13.1 | 1.63 | 1.575 | 90.6 | 1.445 | -2.217 | 359.0 | 489.6 | 0.986 | NA | 0.20 | 0.719 | 175.9 | 64.0 | 26.3 | 0.730 |
| | | 12.25 | 15.92 | 28.17 | ONE | 30.466 | 255.4 | -28.0 | 10.3 | | | | | | | | | | |
| 43190.0 | 45400.0 | 0.572 | 221.4 | -11.9 | 1.44 | 1.574 | 84.6 | 1.444 | -2.209 | 9.2 | 129.6 | 0.980D | NA | 0.54 | 0.720 | 175.9 | 64.0 | 26.3 | 0.731 |
| | | 12.51 | 15.95 | 28.45 | ONE | 30.466 | 255.4 | -28.0 | 10.2 | | | | | | | | | | |
| 43200.0 | 45400.0 | 0.612 | 215.6 | -10.6 | 1.32 | 1.573 | 78.4 | 1.434 | -2.203 | 19.7 | 130.1 | 0.956D | NA | 0.81 | 0.721 | 176.0 | 64.0 | 26.3 | 0.732 |
| | | 13.51 | 15.97 | 29.48 | ONE | 30.466 | 255.4 | -28.0 | 10.3 | | | | | | | | | | |
| **ARRIVAL DATE = 2445600.0** | | | | | | | | | | | | | | | | | | | |
| 43150.0 | 45600.0 | 0.634 | 237.6 | -10.5 | 3.78 | 1.543 | 105.7 | 1.320 | -2.874 | 332.5 | 494.7 | 0.920 | NA | -2.50 | 0.644 | 175.7 | 63.8 | 26.1 | 0.656 |
| | | 14.07 | 14.11 | 28.19 | ONE | 30.268 | 256.7 | -28.1 | 11.7 | | | | | | | | | | |
| 43160.0 | 45600.0 | 0.579 | 234.8 | -12.5 | 2.59 | 1.544 | 100.4 | 1.335 | -2.851 | 341.9 | 493.9 | 0.956 | NA | -1.00 | 0.646 | 175.6 | 63.9 | 26.2 | 0.658 |
| | | 12.67 | 14.16 | 26.83 | ONE | 30.268 | 256.7 | -28.1 | 11.6 | | | | | | | | | | |
| 43170.0 | 45600.0 | 0.543 | 230.1 | -12.6 | 1.97 | 1.544 | 94.9 | 1.345 | -2.833 | 351.5 | 493.4 | 0.978 | NA | -0.26 | 0.647 | 175.6 | 64.0 | 26.3 | 0.660 |
| | | 11.77 | 14.19 | 25.96 | ONE | 30.268 | 256.7 | -28.1 | 11.5 | | | | | | | | | | |
| 43180.0 | 45600.0 | 0.531 | 223.9 | -11.8 | 1.63 | 1.544 | 89.2 | 1.350 | -2.819 | 1.4 | 133.2 | 0.986D | NA | 0.21 | 0.649 | 175.6 | 64.0 | 26.3 | 0.661 |
| | | 11.48 | 14.22 | 25.70 | ONE | 30.268 | 256.7 | -28.1 | 11.4 | | | | | | | | | | |
| 43190.0 | 45600.0 | 0.548 | 217.4 | -10.6 | 1.43 | 1.543 | 83.3 | 1.347 | -2.810 | 11.7 | 133.3 | 0.976D | NA | 0.54 | 0.650 | 175.6 | 64.0 | 26.3 | 0.662 |
| | | 11.89 | 14.25 | 26.14 | ONE | 30.268 | 256.7 | -28.1 | 11.4 | | | | | | | | | | |
| 43200.0 | 45600.0 | 0.593 | 211.9 | -9.4 | 1.31 | 1.542 | 77.2 | 1.338 | -2.804 | 22.3 | 133.8 | 0.948D | NA | 0.81 | 0.650 | 175.7 | 63.9 | 26.3 | 0.663 |
| | | 13.02 | 14.27 | 27.29 | ONE | 30.268 | 256.7 | -28.1 | 11.5 | | | | | | | | | | |
| **ARRIVAL DATE = 2445800.0** | | | | | | | | | | | | | | | | | | | |
| 43150.0 | 45800.0 | 0.597 | 235.7 | -9.1 | 4.16 | 1.520 | 104.3 | 1.256 | -3.630 | 334.4 | 497.8 | 0.930 | NA | -2.67 | 0.585 | 175.3 | 63.8 | 26.0 | 0.599 |
| | | 13.14 | 12.75 | 25.89 | ONE | 29.908 | 258.0 | -28.3 | 12.9 | | | | | | | | | | |
| 43160.0 | 45800.0 | 0.545 | 232.2 | -11.4 | 2.64 | 1.520 | 99.0 | 1.267 | -3.601 | 343.8 | 497.1 | 0.962 | NA | -1.04 | 0.586 | 175.2 | 63.9 | 26.2 | 0.600 |
| | | 11.83 | 12.78 | 24.62 | ONE | 29.908 | 258.0 | -28.3 | 12.8 | | | | | | | | | | |
| 43170.0 | 45800.0 | 0.514 | 227.0 | -11.5 | 1.98 | 1.520 | 93.6 | 1.274 | -3.580 | 353.6 | 496.6 | 0.981 | NA | -0.26 | 0.588 | 175.2 | 64.0 | 26.3 | 0.601 |
| | | 11.06 | 12.81 | 23.88 | ONE | 29.908 | 258.0 | -28.3 | 12.7 | | | | | | | | | | |
| 43180.0 | 45800.0 | 0.508 | 220.5 | -10.6 | 1.62 | 1.519 | 88.0 | 1.276 | -3.565 | 3.6 | 136.5 | 0.985D | NA | 0.21 | 0.589 | 175.2 | 64.0 | 26.3 | 0.602 |
| | | 10.92 | 12.83 | 23.75 | ONE | 29.908 | 258.0 | -28.3 | 12.6 | | | | | | | | | | |
| 43190.0 | 45800.0 | 0.530 | 214.0 | -9.4 | 1.41 | 1.518 | 82.2 | 1.273 | -3.555 | 13.9 | 136.7 | 0.972D | NA | 0.55 | 0.589 | 175.2 | 64.0 | 26.3 | 0.603 |
| | | 11.46 | 12.85 | 24.32 | ONE | 29.908 | 258.0 | -28.3 | 12.7 | | | | | | | | | | |
| 43200.0 | 45800.0 | 0.580 | 208.8 | -8.3 | 1.29 | 1.517 | 76.3 | 1.265 | -3.551 | 24.6 | 137.3 | 0.940D | NA | 0.82 | 0.590 | 175.3 | 63.9 | 26.3 | 0.604 |
| | | 12.69 | 12.87 | 25.56 | ONE | 29.908 | 258.0 | -28.3 | 12.7 | | | | | | | | | | |
| **ARRIVAL DATE = 2446000.0** | | | | | | | | | | | | | | | | | | | |
| 43150.0 | 46000.0 | 0.568 | 234.0 | -7.7 | 4.37 | 1.501 | 103.1 | 1.205 | -4.575 | 336.1 | 500.6 | 0.937 | NA | -2.87 | 0.534 | 174.9 | 63.7 | 26.0 | 0.549 |
| | | 12.41 | 11.62 | 24.02 | ONE | 30.780 | 259.4 | -28.4 | 14.1 | | | | | | | | | | |
| 43160.0 | 46000.0 | 0.519 | 229.9 | -10.3 | 2.69 | 1.501 | 97.9 | 1.213 | -4.540 | 345.6 | 500.0 | 0.967 | NA | -1.08 | 0.535 | 174.8 | 63.8 | 26.2 | 0.550 |
| | | 11.18 | 11.64 | 22.82 | ONE | 30.780 | 259.4 | -28.4 | 14.0 | | | | | | | | | | |
| 43170.0 | 46000.0 | 0.491 | 224.2 | -10.5 | 1.99 | 1.501 | 92.5 | 1.218 | -4.515 | 355.4 | 499.6 | 0.983 | NA | -0.27 | 0.536 | 174.8 | 63.9 | 26.3 | 0.551 |
| | | 10.53 | 11.67 | 22.19 | ONE | 30.780 | 259.4 | -28.4 | 13.9 | | | | | | | | | | |
| 43180.0 | 46000.0 | 0.490 | 217.4 | -9.6 | 1.62 | 1.500 | 87.0 | 1.219 | -4.497 | 5.5 | 139.6 | 0.984D | NA | 0.21 | 0.537 | 174.8 | 63.9 | 26.3 | 0.552 |
| | | 10.50 | 11.68 | 22.19 | ONE | 30.780 | 259.4 | -28.4 | 13.9 | | | | | | | | | | |
| 43190.0 | 46000.0 | 0.518 | 211.1 | -8.3 | 1.40 | 1.499 | 81.3 | 1.216 | -4.488 | 15.9 | 139.9 | 0.967D | NA | 0.56 | 0.538 | 174.8 | 63.9 | 26.3 | 0.553 |
| | | 11.16 | 11.70 | 22.85 | ONE | 30.780 | 259.4 | -28.4 | 13.9 | | | | | | | | | | |
| 43200.0 | 46000.0 | 0.571 | 206.2 | -7.4 | 1.27 | 1.498 | 75.4 | 1.208 | -4.485 | 26.6 | 140.5 | 0.933D | NA | 0.83 | 0.538 | 174.9 | 63.8 | 26.3 | 0.553 |
| | | 12.47 | 11.71 | 24.17 | ONE | 30.780 | 259.4 | -28.4 | 14.0 | | | | | | | | | | |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43210.0 | 46000.0 | 0.645 | 203.4 | -7.0 | 1.20 | 1.496 | 69.5 | 1.196 | -4.487 | 37.6 | 141.5 | 0.880D | NA | 1.05 | 0.538 | 175.1 | 63.6 | 26.3 | 0.554 |
| | | 14.34 | 11.71 | 26.06 | ONE | 30.780 | 259.4 | -28.4 | 14.2 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446200.0 | | | | | | | | | | |
| 43150.0 | 46200.0 | 0.545 | 232.6 | -6.2 | 4.61 | 1.486 | 102.1 | 1.163 | -5.777 | 337.5 | 503.3 | 0.943 | NA | -3.11 | 0.489 | 174.5 | 63.7 | 25.9 | 0.506 |
| | | 11.83 | 10.67 | 22.50 | ONE | 29.445 | 260.7 | -28.5 | 15.4 | | | | | | | | | | |
| 43160.0 | 46200.0 | 0.497 | 227.8 | -9.3 | 2.74 | 1.486 | 96.9 | 1.169 | -5.733 | 347.1 | 502.7 | 0.970 | NA | -1.13 | 0.491 | 174.4 | 63.8 | 26.1 | 0.507 |
| | | 10.67 | 10.69 | 21.36 | ONE | 29.445 | 260.7 | -28.5 | 15.2 | | | | | | | | | | |
| 43170.0 | 46200.0 | 0.474 | 221.7 | -9.5 | 2.00 | 1.485 | 91.6 | 1.173 | -5.701 | 357.0 | 502.4 | 0.984 | NA | -0.28 | 0.491 | 174.4 | 63.8 | 26.2 | 0.508 |
| | | 10.11 | 10.71 | 20.82 | ONE | 29.445 | 260.7 | -28.5 | 15.2 | | | | | | | | | | |
| 43180.0 | 46200.0 | 0.477 | 214.8 | -8.6 | 1.61 | 1.485 | 86.2 | 1.173 | -5.681 | 7.1 | 142.4 | 0.982D | NA | 0.22 | 0.492 | 174.4 | 63.8 | 26.3 | 0.509 |
| | | 10.19 | 10.72 | 20.91 | ONE | 29.445 | 260.7 | -28.5 | 15.2 | | | | | | | | | | |
| 43190.0 | 46200.0 | 0.508 | 208.6 | -7.5 | 1.39 | 1.484 | 80.5 | 1.170 | -5.672 | 17.6 | 142.7 | 0.963D | NA | 0.57 | 0.492 | 174.4 | 63.8 | 26.3 | 0.509 |
| | | 10.93 | 10.73 | 21.67 | ONE | 29.445 | 260.7 | -28.5 | 15.2 | | | | | | | | | | |
| 43200.0 | 46200.0 | 0.564 | 204.1 | -6.6 | 1.25 | 1.482 | 74.8 | 1.163 | -5.672 | 28.3 | 143.4 | 0.926D | NA | 0.83 | 0.492 | 174.5 | 63.6 | 26.3 | 0.509 |
| | | 12.30 | 10.74 | 23.04 | ONE | 29.445 | 260.7 | -28.5 | 15.3 | | | | | | | | | | |
| 43210.0 | 46200.0 | 0.639 | 201.6 | -6.3 | 1.17 | 1.480 | 68.9 | 1.154 | -5.680 | 39.3 | 144.4 | 0.872D | NA | 1.06 | 0.492 | 174.7 | 63.5 | 26.3 | 0.510 |
| | | 14.21 | 10.74 | 24.95 | ONE | 29.445 | 260.7 | -28.5 | 15.5 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446400.0 | | | | | | | | | | |
| 43150.0 | 46400.0 | 0.527 | 231.3 | -4.7 | 4.90 | 1.473 | 101.3 | 1.129 | -7.333 | 338.8 | 505.7 | 0.948 | NA | -3.38 | 0.450 | 174.0 | 63.5 | 25.9 | 0.468 |
| | | 11.37 | 9.87 | 21.24 | ONE | 31.124 | 262.1 | -28.6 | 16.7 | | | | | | | | | | |
| 43160.0 | 46400.0 | 0.480 | 225.9 | -8.4 | 2.80 | 1.473 | 96.1 | 1.134 | -7.276 | 348.5 | 505.2 | 0.973 | NA | -1.19 | 0.451 | 173.9 | 63.6 | 26.1 | 0.469 |
| | | 10.27 | 9.89 | 20.15 | ONE | 31.124 | 262.1 | -28.6 | 16.6 | | | | | | | | | | |
| 43170.0 | 46400.0 | 0.460 | 219.5 | -8.7 | 2.01 | 1.473 | 90.9 | 1.136 | -7.236 | 358.4 | 505.0 | 0.984 | NA | -0.29 | 0.452 | 173.9 | 63.7 | 26.2 | 0.470 |
| | | 9.79 | 9.90 | 19.69 | ONE | 31.124 | 262.1 | -28.6 | 16.5 | | | | | | | | | | |
| 43180.0 | 46400.0 | 0.467 | 212.5 | -7.8 | 1.60 | 1.472 | 85.4 | 1.136 | -7.213 | 8.6 | 145.0 | 0.980D | NA | 0.22 | 0.453 | 173.9 | 63.7 | 26.3 | 0.471 |
| | | 9.96 | 9.91 | 19.87 | ONE | 31.124 | 262.1 | -28.6 | 16.5 | | | | | | | | | | |
| 43190.0 | 46400.0 | 0.502 | 206.5 | -6.7 | 1.37 | 1.471 | 79.9 | 1.133 | -7.205 | 19.0 | 145.4 | 0.959D | NA | 0.57 | 0.453 | 174.0 | 63.6 | 26.3 | 0.471 |
| | | 10.77 | 9.92 | 20.69 | ONE | 31.124 | 262.1 | -28.6 | 16.5 | | | | | | | | | | |
| 43200.0 | 46400.0 | 0.559 | 202.3 | -6.0 | 1.23 | 1.469 | 74.2 | 1.128 | -7.211 | 29.7 | 146.0 | 0.921D | NA | 0.84 | 0.453 | 174.1 | 63.5 | 26.3 | 0.471 |
| | | 12.18 | 9.92 | 22.11 | ONE | 31.124 | 262.1 | -28.6 | 16.7 | | | | | | | | | | |
| 43210.0 | 46400.0 | 0.635 | 200.1 | -5.8 | 1.15 | 1.467 | 68.4 | 1.120 | -7.227 | 40.8 | 147.0 | 0.865D | NA | 1.07 | 0.452 | 174.3 | 63.3 | 26.3 | 0.471 |
| | | 14.10 | 9.93 | 24.03 | ONE | 31.124 | 262.1 | -28.6 | 16.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446600.0 | | | | | | | | | | |
| 43130.0 | 46600.0 | 0.634 | 224.0 | -33.2 | -7.20 | 1.462 | 110.4 | 1.090 | -9.641 | 320.9 | 509.6 | 0.869 | NA | 8.53 | 0.412 | 173.8 | 62.6 | 26.9 | 0.433 |
| | | 14.07 | 9.15 | 23.22 | TWO | 29.216 | 263.4 | -28.6 | 18.5 | | | | | | | | | | |
| 43150.0 | 46600.0 | 0.512 | 230.4 | -3.1 | 5.24 | 1.463 | 100.6 | 1.101 | -9.406 | 339.9 | 508.0 | 0.952 | NA | -3.71 | 0.415 | 173.5 | 63.4 | 25.8 | 0.435 |
| | | 11.02 | 9.19 | 20.21 | ONE | 29.216 | 263.4 | -28.6 | 18.0 | | | | | | | | | | |
| 43160.0 | 46600.0 | 0.467 | 224.4 | -7.5 | 2.87 | 1.463 | 95.5 | 1.105 | -9.329 | 349.6 | 507.6 | 0.975 | NA | -1.25 | 0.416 | 173.5 | 63.4 | 26.0 | 0.436 |
| | | 9.95 | 9.20 | 19.15 | ONE | 29.216 | 263.4 | -28.6 | 17.9 | | | | | | | | | | |
| 43170.0 | 46600.0 | 0.449 | 217.6 | -7.9 | 2.02 | 1.463 | 90.2 | 1.106 | -9.278 | 359.6 | 507.4 | 0.985 | NA | -0.30 | 0.417 | 173.4 | 63.5 | 26.2 | 0.437 |
| | | 9.54 | 9.21 | 18.76 | ONE | 29.216 | 263.4 | -28.6 | 17.8 | | | | | | | | | | |
| 43180.0 | 46600.0 | 0.459 | 210.6 | -7.1 | 1.60 | 1.462 | 84.9 | 1.106 | -9.250 | 9.8 | 147.4 | 0.979D | NA | 0.23 | 0.417 | 173.5 | 63.5 | 26.2 | 0.437 |
| | | 9.78 | 9.22 | 19.00 | ONE | 29.216 | 263.4 | -28.6 | 17.8 | | | | | | | | | | |
| 43190.0 | 46600.0 | 0.496 | 204.7 | -6.1 | 1.36 | 1.460 | 79.4 | 1.103 | -9.245 | 20.2 | 147.8 | 0.956D | NA | 0.58 | 0.418 | 173.5 | 63.4 | 26.2 | 0.437 |
| | | 10.64 | 9.23 | 19.87 | ONE | 29.216 | 263.4 | -28.6 | 17.9 | | | | | | | | | | |
| 43200.0 | 46600.0 | 0.556 | 200.8 | -5.5 | 1.21 | 1.459 | 73.8 | 1.099 | -9.260 | 31.0 | 148.4 | 0.916D | NA | 0.85 | 0.417 | 173.7 | 63.2 | 26.2 | 0.438 |
| | | 12.09 | 9.23 | 21.32 | ONE | 29.216 | 263.4 | -28.6 | 18.0 | | | | | | | | | | |
| 43210.0 | 46600.0 | 0.632 | 199.0 | -5.4 | 1.13 | 1.457 | 68.0 | 1.093 | -9.291 | 42.0 | 149.4 | 0.860D | NA | 1.07 | 0.417 | 173.9 | 63.0 | 26.2 | 0.438 |
| | | 14.02 | 9.24 | 23.26 | ONE | 29.216 | 263.4 | -28.6 | 18.2 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446800.0 | | | | | | | | | | |
| 43130.0 | 46800.0 | 0.614 | 223.6 | -31.1 | -6.17 | 1.453 | 109.8 | 1.069 | -12.611 | 321.7 | 511.5 | 0.875 | NA | 7.51 | 0.381 | 173.3 | 62.4 | 26.8 | 0.404 |
| | | 13.56 | 8.58 | 22.13 | TWO | 31.193 | 264.8 | -28.7 | 19.9 | | | | | | | | | | |
| 43150.0 | 46800.0 | 0.501 | 229.7 | -1.4 | 5.65 | 1.454 | 100.0 | 1.078 | -12.271 | 340.8 | 510.1 | 0.955 | NA | -4.12 | 0.384 | 173.0 | 63.2 | 25.6 | 0.406 |
| | | 10.75 | 8.61 | 19.36 | ONE | 31.193 | 264.8 | -28.7 | 19.4 | | | | | | | | | | |
| 43160.0 | 46800.0 | 0.456 | 223.0 | -6.7 | 2.94 | 1.454 | 94.9 | 1.080 | -12.162 | 350.6 | 509.7 | 0.977 | NA | -1.32 | 0.385 | 173.0 | 63.2 | 26.0 | 0.406 |
| | | 9.69 | 8.62 | 18.31 | ONE | 31.193 | 264.8 | -28.7 | 19.3 | | | | | | | | | | |
| 43170.0 | 46800.0 | 0.441 | 216.0 | -7.2 | 2.03 | 1.454 | 89.7 | 1.081 | -12.092 | 0.6 | 149.5 | 0.985D | NA | -0.31 | 0.386 | 172.9 | 63.3 | 26.1 | 0.407 |
| | | 9.34 | 8.63 | 17.97 | ONE | 31.193 | 264.8 | -28.7 | 19.2 | | | | | | | | | | |
| 43180.0 | 46800.0 | 0.453 | 209.0 | -6.5 | 1.59 | 1.453 | 84.4 | 1.081 | -12.059 | 10.8 | 149.6 | 0.977D | NA | 0.23 | 0.386 | 173.0 | 63.2 | 26.2 | 0.407 |
| | | 9.63 | 8.64 | 18.27 | ONE | 31.193 | 264.8 | -28.7 | 19.2 | | | | | | | | | | |
| 43190.0 | 46800.0 | 0.492 | 203.3 | -5.6 | 1.34 | 1.452 | 79.0 | 1.079 | -12.060 | 21.3 | 150.0 | 0.953D | NA | 0.59 | 0.386 | 173.1 | 63.1 | 26.2 | 0.407 |
| | | 10.54 | 8.64 | 19.19 | ONE | 31.193 | 264.8 | -28.7 | 19.3 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43200.0 | 46800.0 | 0.553<br>12.01 | 199.6<br>8.65 | -5.0<br>20.66 | 1.19<br>ONE | 1.450<br>31.193 | 73.4<br>264.8 | 1.075<br>-28.7 | -12.091<br>19.5 | 32.0 | 150.6 | 0.912D | NA | 0.86 | 0.386 | 173.2 | 63.0 | 26.2 | 0.408 |
| 43210.0 | 46800.0 | 0.629<br>13.95 | 198.0<br>8.65 | -5.1<br>22.60 | 1.10<br>ONE | 1.448<br>31.193 | 67.7<br>264.8 | 1.070<br>-28.7 | -12.148<br>19.7 | 43.0 | 151.6 | 0.855D | NA | 1.08 | 0.385 | 173.4 | 62.7 | 26.2 | 0.408 |
| ARRIVAL DATE = 2447000.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 47000.0 | 0.598<br>13.15 | 223.3<br>8.09 | -29.4<br>21.23 | -5.35<br>TWO | 1.446<br>29.285 | 109.3<br>266.1 | 1.052<br>-28.7 | -16.969<br>21.3 | 322.4 | 513.4 | 0.879 | NA | 6.71 | 0.354 | 172.8 | 62.1 | 26.7 | 0.378 |
| 43150.0 | 47000.0 | 0.493<br>10.56 | 229.2<br>8.11 | 0.6<br>18.67 | 6.16<br>ONE | 1.447<br>29.285 | 99.5<br>266.1 | 1.058<br>-28.7 | -16.442<br>20.9 | 341.6 | 512.0 | 0.957 | NA | -4.63 | 0.356 | 172.5 | 62.9 | 25.5 | 0.379 |
| 43160.0 | 47000.0 | 0.447<br>9.48 | 221.9<br>8.12 | -5.9<br>17.60 | 3.02<br>ONE | 1.447<br>29.285 | 94.4<br>266.1 | 1.060<br>-28.7 | -16.279<br>20.7 | 351.4 | 511.7 | 0.978 | NA | -1.39 | 0.357 | 172.4 | 63.0 | 25.9 | 0.380 |
| 43170.0 | 47000.0 | 0.433<br>9.18 | 214.7<br>8.13 | -6.6<br>17.31 | 2.04<br>ONE | 1.447<br>29.285 | 89.3<br>266.1 | 1.061<br>-28.7 | -16.178<br>20.7 | 1.4 | 151.6 | 0.985D | NA | -0.32 | 0.358 | 172.4 | 63.0 | 26.1 | 0.380 |
| 43180.0 | 47000.0 | 0.448<br>9.52 | 207.7<br>8.14 | -6.0<br>17.65 | 1.58<br>ONE | 1.446<br>29.285 | 84.0<br>266.1 | 1.060<br>-28.7 | -16.136<br>20.7 | 11.7 | 151.7 | 0.976D | NA | 0.24 | 0.358 | 172.5 | 62.9 | 26.1 | 0.381 |
| 43190.0 | 47000.0 | 0.489<br>10.46 | 202.1<br>8.14 | -5.1<br>18.60 | 1.33<br>ONE | 1.444<br>29.285 | 78.6<br>266.1 | 1.059<br>-28.7 | -16.149<br>20.8 | 22.1 | 152.0 | 0.950D | NA | 0.60 | 0.358 | 172.6 | 62.8 | 26.1 | 0.381 |
| 43200.0 | 47000.0 | 0.550<br>11.95 | 198.6<br>8.14 | -4.7<br>20.09 | 1.17<br>ONE | 1.443<br>29.285 | 73.1<br>266.1 | 1.056<br>-28.7 | -16.211<br>20.9 | 32.8 | 152.7 | 0.909D | NA | 0.87 | 0.358 | 172.7 | 62.7 | 26.1 | 0.381 |
| 43210.0 | 47000.0 | 0.626<br>13.88 | 197.2<br>8.15 | -4.8<br>22.03 | 1.08<br>ONE | 1.441<br>29.285 | 67.5<br>266.1 | 1.052<br>-28.7 | -16.315<br>21.2 | 43.8 | 153.6 | 0.841D | NA | 1.09 | 0.357 | 173.0 | 62.4 | 26.1 | 0.381 |
| ARRIVAL DATE = 2447200.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 47200.0 | 0.646<br>14.39 | 223.2<br>7.65 | -22.1<br>22.04 | -2.60<br>TWO | 1.439<br>30.962 | 113.6<br>267.5 | 1.034<br>-28.8 | -24.553<br>23.1 | 313.7 | 516.0 | 0.830 | NA | 3.88 | 0.327 | 172.4 | 61.5 | 26.3 | 0.354 |
| 43130.0 | 47200.0 | 0.585<br>12.82 | 223.0<br>7.66 | -28.0<br>20.48 | -4.69<br>TWO | 1.440<br>30.962 | 108.9<br>267.5 | 1.037<br>-28.8 | -23.909<br>22.8 | 322.9 | 515.1 | 0.883 | NA | 6.06 | 0.329 | 172.2 | 61.8 | 26.6 | 0.355 |
| 43150.0 | 47200.0 | 0.488<br>10.44 | 229.1<br>7.69 | 2.9<br>18.13 | 6.82<br>ONE | 1.441<br>30.962 | 99.1<br>267.5 | 1.042<br>-28.8 | -23.007<br>22.4 | 342.2 | 513.9 | 0.959 | NA | -5.28 | 0.331 | 172.0 | 62.6 | 25.3 | 0.356 |
| 43160.0 | 47200.0 | 0.439<br>9.31 | 221.1<br>7.69 | -5.2<br>17.01 | 3.11<br>ONE | 1.441<br>30.962 | 94.1<br>267.5 | 1.043<br>-28.8 | -22.735<br>22.2 | 352.0 | 513.5 | 0.979 | NA | -1.48 | 0.332 | 171.9 | 62.6 | 25.8 | 0.356 |
| 43170.0 | 47200.0 | 0.428<br>9.05 | 213.6<br>7.70 | -6.2<br>16.75 | 2.06<br>ONE | 1.441<br>30.962 | 88.9<br>267.5 | 1.044<br>-28.8 | -22.575<br>22.2 | 2.1 | 153.4 | 0.984D | NA | -0.33 | 0.332 | 171.9 | 62.7 | 26.0 | 0.357 |
| 43180.0 | 47200.0 | 0.444<br>9.42 | 206.6<br>7.70 | -5.6<br>17.13 | 1.57<br>ONE | 1.440<br>30.962 | 83.7<br>267.5 | 1.043<br>-28.8 | -22.519<br>22.2 | 12.4 | 153.6 | 0.974D | NA | 0.25 | 0.333 | 171.9 | 62.6 | 26.1 | 0.357 |
| 43190.0 | 47200.0 | 0.486<br>10.39 | 201.2<br>7.71 | -4.8<br>18.10 | 1.31<br>ONE | 1.438<br>30.962 | 78.3<br>267.5 | 1.042<br>-28.8 | -22.560<br>22.3 | 22.8 | 153.9 | 0.948D | NA | 0.61 | 0.332 | 172.0 | 62.5 | 26.1 | 0.357 |
| 43200.0 | 47200.0 | 0.547<br>11.89 | 197.9<br>7.71 | -4.5<br>19.60 | 1.15<br>ONE | 1.437<br>30.962 | 72.9<br>267.5 | 1.040<br>-28.8 | -22.688<br>22.5 | 33.5 | 154.5 | 0.906D | NA | 0.88 | 0.332 | 172.2 | 62.3 | 26.1 | 0.357 |
| 43210.0 | 47200.0 | 0.624<br>13.81 | 196.7<br>7.72 | -4.7<br>21.53 | 1.06<br>ONE | 1.435<br>30.962 | 67.4<br>267.5 | 1.037<br>-28.8 | -22.894<br>22.7 | 44.4 | 155.4 | 0.848D | NA | 1.10 | 0.331 | 172.5 | 62.0 | 26.0 | 0.358 |
| ARRIVAL DATE = 2447400.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 47400.0 | 0.637<br>14.15 | 223.0<br>7.28 | -21.7<br>21.43 | -2.40<br>TWO | 1.434<br>29.628 | 113.2<br>268.8 | 1.022<br>-28.8 | -37.894<br>24.6 | 314.0 | 517.5 | 0.833 | NA | 3.70 | 0.304 | 171.9 | 61.1 | 26.2 | 0.333 |
| 43130.0 | 47400.0 | 0.574<br>12.56 | 222.9<br>7.30 | -26.8<br>19.85 | -4.15<br>TWO | 1.435<br>29.628 | 108.5<br>268.8 | 1.024<br>-28.8 | -36.549<br>24.3 | 323.4 | 516.7 | 0.886 | NA | 5.53 | 0.306 | 171.7 | 61.4 | 26.5 | 0.334 |
| 43140.0 | 47400.0 | 0.620<br>13.71 | 212.0<br>7.33 | -57.7<br>21.04 | -17.14<br>TWO | 1.436<br>29.628 | 103.8<br>268.8 | 1.026<br>-28.8 | -35.500<br>24.5 | 332.8 | 516.0 | 0.928 | NA | 18.61 | 0.307 | 171.5 | 60.8 | 28.2 | 0.335 |
| 43150.0 | 47400.0 | 0.486<br>10.41 | 229.4<br>7.32 | 5.6<br>17.72 | 7.70<br>ONE | 1.436<br>29.628 | 98.8<br>268.8 | 1.028<br>-28.8 | -34.722<br>23.9 | 342.7 | 515.5 | 0.961 | NA | -6.14 | 0.308 | 171.4 | 62.3 | 25.1 | 0.335 |
| 43160.0 | 47400.0 | 0.433<br>9.18 | 220.4<br>7.32 | -4.5<br>16.50 | 3.21<br>ONE | 1.436<br>29.628 | 93.8<br>268.8 | 1.029<br>-28.8 | -34.193<br>23.7 | 352.6 | 515.3 | 0.980 | NA | -1.58 | 0.309 | 171.3 | 62.3 | 25.7 | 0.335 |
| 43170.0 | 47400.0 | 0.423<br>8.94 | 212.8<br>7.33 | -5.7<br>16.27 | 2.07<br>ONE | 1.435<br>29.628 | 88.7<br>268.8 | 1.029<br>-28.8 | -33.895<br>23.7 | 2.6 | 155.2 | 0.984D | NA | -0.34 | 0.309 | 171.3 | 62.3 | 25.9 | 0.335 |
| 43180.0 | 47400.0 | 0.440<br>9.34 | 205.8<br>7.33 | -5.2<br>16.67 | 1.57<br>ONE | 1.435<br>29.628 | 83.5<br>268.8 | 1.029<br>-28.8 | -33.812<br>23.7 | 12.9 | 155.3 | 0.973D | NA | 0.25 | 0.309 | 171.4 | 62.2 | 26.0 | 0.336 |
| 43190.0 | 47400.0 | 0.483<br>10.32 | 200.4<br>7.34 | -4.6<br>17.66 | 1.29<br>ONE | 1.433<br>29.628 | 78.1<br>268.8 | 1.028<br>-28.8 | -33.927<br>23.8 | 23.4 | 155.6 | 0.947D | NA | 0.63 | 0.309 | 171.5 | 62.1 | 26.0 | 0.336 |
| 43200.0 | 47400.0 | 0.545<br>11.83 | 197.3<br>7.34 | -4.3<br>19.16 | 1.13<br>ONE | 1.432<br>29.628 | 72.8<br>268.8 | 1.026<br>-28.8 | -34.226<br>24.0 | 34.0 | 156.2 | 0.904D | NA | 0.89 | 0.309 | 171.7 | 61.9 | 26.0 | 0.336 |
| 43210.0 | 47400.0 | 0.621<br>13.74 | 196.2<br>7.34 | -4.5<br>21.09 | 1.03<br>ONE | 1.430<br>29.628 | 67.3<br>268.8 | 1.024<br>-28.8 | -34.688<br>24.3 | 44.9 | 157.0 | 0.846D | NA | 1.10 | 0.308 | 171.9 | 61.6 | 26.0 | 0.336 |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>COIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2447600.0 | | | | | | | | | | | |
| 43120.0 | 47600.0 | 0.630 | 222.8 | -21.3 | -2.22 | 1.430 | 113.0 | 1.012 | -70.468 | 314.3 | 519.0 | 0.836 | NA | 3.53 | 0.284 | 171.3 | 60.7 | 26.1 | 0.314 |
| | | 13.96 | 6.97 | 20.93 | TWO | 30.498 | 270.2 | -28.8 | 26.2 | | | | | | | | | | |
| 43130.0 | 47600.0 | 0.566 | 222.8 | -25.7 | -3.70 | 1.431 | 108.3 | 1.013 | -66.411 | 323.7 | 518.2 | 0.888 | NA | 5.09 | 0.285 | 171.1 | 61.0 | 26.4 | 0.315 |
| | | 12.35 | 6.98 | 19.33 | TWO | 30.498 | 270.2 | -28.8 | 25.9 | | | | | | | | | | |
| 43140.0 | 47600.0 | 0.561 | 215.1 | -47.6 | -12.19 | 1.432 | 103.5 | 1.015 | -63.390 | 333.2 | 517.6 | 0.930 | NA | 13.67 | 0.286 | 170.9 | 60.7 | 27.6 | 0.316 |
| | | 12.23 | 7.00 | 19.23 | TWO | 30.498 | 270.2 | -28.8 | 25.9 | | | | | | | | | | |
| 43150.0 | 47600.0 | 0.489 | 230.2 | 9.2 | 8.91 | 1.432 | 98.5 | 1.016 | -61.232 | 343.1 | 517.1 | 0.962 | NA | -7.35 | 0.287 | 170.8 | 61.9 | 24.8 | 0.316 |
| | | 10.48 | 7.00 | 17.48 | ONE | 30.498 | 270.2 | -28.8 | 25.5 | | | | | | | | | | |
| 43160.0 | 47600.0 | 0.429 | 219.9 | -3.8 | 3.33 | 1.432 | 93.5 | 1.016 | -59.817 | 353.0 | 516.9 | 0.980 | NA | -1.69 | 0.288 | 170.7 | 61.9 | 25.6 | 0.316 |
| | | 9.07 | 7.00 | 16.07 | ONE | 30.498 | 270.2 | -28.8 | 25.3 | | | | | | | | | | |
| 43170.0 | 47600.0 | 0.419 | 212.1 | -5.4 | 2.09 | 1.431 | 88.5 | 1.017 | -59.060 | 3.1 | 156.8 | 0.984D | NA | -0.36 | 0.288 | 170.7 | 61.9 | 25.8 | 0.316 |
| | | 8.85 | 7.01 | 15.85 | ONE | 30.498 | 270.2 | -28.8 | 25.3 | | | | | | | | | | |
| 43180.0 | 47600.0 | 0.437 | 205.1 | -5.0 | 1.56 | 1.430 | 83.3 | 1.017 | -58.962 | 13.3 | 156.9 | 0.973D | NA | 0.26 | 0.288 | 170.7 | 61.8 | 25.9 | 0.316 |
| | | 9.27 | 7.01 | 16.27 | ONE | 30.498 | 270.2 | -28.8 | 25.3 | | | | | | | | | | |
| 43190.0 | 47600.0 | 0.480 | 199.8 | -4.4 | 1.27 | 1.429 | 78.0 | 1.016 | -59.299 | 23.8 | 157.2 | 0.946D | NA | 0.64 | 0.288 | 170.9 | 61.7 | 25.9 | 0.317 |
| | | 10.26 | 7.01 | 17.28 | ONE | 30.498 | 270.2 | -28.8 | 25.4 | | | | | | | | | | |
| 43200.0 | 47600.0 | 0.542 | 196.8 | -4.1 | 1.11 | 1.427 | 72.7 | 1.015 | -60.219 | 34.4 | 157.8 | 0.903D | NA | 0.90 | 0.288 | 171.1 | 61.4 | 25.9 | 0.317 |
| | | 11.76 | 7.02 | 18.78 | ONE | 30.498 | 270.2 | -28.8 | 25.6 | | | | | | | | | | |
| 43210.0 | 47600.0 | 0.618 | 195.9 | -4.4 | 1.01 | 1.425 | 67.2 | 1.014 | -61.630 | 45.2 | 158.6 | 0.845D | NA | 1.11 | 0.287 | 171.3 | 61.1 | 25.9 | 0.317 |
| | | 13.67 | 7.02 | 20.69 | ONE | 30.498 | 270.2 | -28.8 | 25.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447800.0 | | | | | | | | | | | |
| 43120.0 | 47800.0 | 0.624 | 222.8 | -20.9 | -2.05 | 1.426 | 112.8 | 1.003 | ******* | 314.5 | 520.3 | 0.837 | NA | 3.38 | 0.265 | 170.7 | 60.2 | 26.0 | 0.297 |
| | | 13.80 | 6.70 | 20.50 | TWO | 30.140 | 271.5 | -28.8 | 27.9 | | | | | | | | | | |
| 43130.0 | 47800.0 | 0.559 | 222.9 | -24.9 | -3.31 | 1.427 | 108.1 | 1.004 | ******* | 323.9 | 519.6 | 0.889 | NA | 4.72 | 0.266 | 170.4 | 60.5 | 26.3 | 0.297 |
| | | 12.18 | 6.70 | 18.88 | TWO | 30.140 | 271.5 | -28.8 | 27.6 | | | | | | | | | | |
| 43140.0 | 47800.0 | 0.532 | 216.9 | -41.0 | -9.29 | 1.428 | 103.3 | 1.005 | ******* | 333.5 | 519.0 | 0.931 | NA | 10.78 | 0.267 | 170.3 | 60.4 | 27.2 | 0.298 |
| | | 11.50 | 6.72 | 18.22 | TWO | 30.140 | 271.5 | -28.8 | 27.4 | | | | | | | | | | |
| 43150.0 | 47800.0 | 0.500 | 231.7 | 14.0 | 10.72 | 1.428 | 98.3 | 1.005 | ******* | 343.4 | 518.6 | 0.963 | NA | -9.15 | 0.268 | 170.1 | 61.5 | 24.3 | 0.298 |
| | | 10.74 | 6.72 | 17.46 | ONE | 30.140 | 271.5 | -28.8 | 27.2 | | | | | | | | | | |
| 43160.0 | 47800.0 | 0.425 | 219.6 | -3.2 | 3.47 | 1.428 | 93.4 | 1.006 | ******* | 353.3 | 518.3 | 0.980 | NA | -1.82 | 0.269 | 170.1 | 61.4 | 25.5 | 0.298 |
| | | 8.98 | 6.72 | 15.71 | ONE | 30.140 | 271.5 | -28.8 | 26.9 | | | | | | | | | | |
| 43170.0 | 47800.0 | 0.415 | 211.7 | -5.1 | 2.11 | 1.427 | 88.3 | 1.006 | ******* | 3.4 | 158.3 | 0.984D | NA | -0.37 | 0.269 | 170.0 | 61.4 | 25.7 | 0.299 |
| | | 8.77 | 6.72 | 15.50 | ONE | 30.140 | 271.5 | -28.8 | 26.9 | | | | | | | | | | |
| 43180.0 | 47800.0 | 0.434 | 204.6 | -4.8 | 1.55 | 1.426 | 83.2 | 1.006 | ******* | 13.6 | 158.4 | 0.972D | NA | 0.27 | 0.269 | 170.1 | 61.3 | 25.8 | 0.299 |
| | | 9.20 | 6.73 | 15.93 | ONE | 30.140 | 271.5 | -28.8 | 26.9 | | | | | | | | | | |
| 43190.0 | 47800.0 | 0.478 | 199.4 | -4.3 | 1.26 | 1.425 | 77.9 | 1.006 | ******* | 24.1 | 158.7 | 0.945D | NA | 0.65 | 0.269 | 170.2 | 61.2 | 25.8 | 0.299 |
| | | 10.20 | 6.73 | 16.94 | ONE | 30.140 | 271.5 | -28.8 | 27.0 | | | | | | | | | | |
| 43200.0 | 47800.0 | 0.540 | 196.5 | -4.1 | 1.08 | 1.423 | 72.6 | 1.005 | ******* | 34.7 | 159.3 | 0.902D | NA | 0.92 | 0.268 | 170.5 | 60.9 | 25.8 | 0.299 |
| | | 11.70 | 6.73 | 18.44 | ONE | 30.140 | 271.5 | -28.8 | 27.3 | | | | | | | | | | |
| 43210.0 | 47800.0 | 0.616 | 195.6 | -4.4 | 0.98 | 1.421 | 67.2 | 1.005 | ******* | 45.5 | 160.0 | 0.844D | NA | 1.12 | 0.268 | 170.7 | 60.6 | 25.8 | 0.300 |
| | | 13.60 | 6.74 | 20.34 | ONE | 30.140 | 271.5 | -28.8 | 27.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448000.0 | | | | | | | | | | | |
| 43120.0 | 48000.0 | 0.619 | 222.8 | -20.6 | -1.90 | 1.423 | 112.7 | 0.996 | 192.066 | 314.6 | 521.6 | 0.838 | 383.293A | 3.24 | 0.247 | 170.0 | 59.6 | 25.9 | 0.281 |
| | | 13.68 | 6.46 | 20.14 | TWO | 29.940 | 272.9 | -28.8 | 29.6 | | | | | | | | | | |
| 43130.0 | 48000.0 | 0.554 | 223.0 | -24.1 | -2.97 | 1.424 | 107.9 | 0.996 | 222.137 | 324.0 | 520.9 | 0.890 | 443.383A | 4.39 | 0.248 | 169.8 | 59.9 | 26.2 | 0.282 |
| | | 12.04 | 6.46 | 18.51 | TWO | 29.940 | 272.9 | -28.8 | 29.2 | | | | | | | | | | |
| 43140.0 | 48000.0 | 0.514 | 218.1 | -36.4 | -7.39 | 1.425 | 103.2 | 0.996 | 254.934 | 333.6 | 520.4 | 0.932 | 508.936A | 8.89 | 0.250 | 169.6 | 60.0 | 26.9 | 0.282 |
| | | 11.08 | 6.47 | 17.55 | TWO | 29.940 | 272.9 | -28.8 | 29.1 | | | | | | | | | | |
| 43150.0 | 48000.0 | 0.527 | 234.7 | 21.1 | 13.70 | 1.425 | 98.2 | 0.997 | 287.368 | 343.6 | 520.0 | 0.963 | 573.774A | -12.12 | 0.251 | 169.4 | 61.0 | 23.7 | 0.283 |
| | | 11.39 | 6.48 | 17.88 | ONE | 29.940 | 272.9 | -28.8 | 29.0 | | | | | | | | | | |
| 43160.0 | 48000.0 | 0.422 | 219.5 | -2.5 | 3.63 | 1.425 | 93.3 | 0.997 | 314.425 | 353.5 | 519.7 | 0.981 | 627.869A | -1.97 | 0.251 | 169.4 | 60.9 | 25.3 | 0.283 |
| | | 8.92 | 6.48 | 15.39 | ONE | 29.940 | 272.9 | -28.8 | 28.6 | | | | | | | | | | |
| 43170.0 | 48000.0 | 0.412 | 211.4 | -4.9 | 2.13 | 1.424 | 88.2 | 0.997 | 330.398 | 3.6 | 159.7 | 0.984D | 659.812A | -0.39 | 0.251 | 169.4 | 60.9 | 25.6 | 0.283 |
| | | 8.70 | 6.48 | 15.18 | ONE | 29.940 | 272.9 | -28.8 | 28.5 | | | | | | | | | | |
| 43180.0 | 48000.0 | 0.432 | 204.3 | -4.7 | 1.54 | 1.423 | 83.1 | 0.997 | 331.557 | 13.9 | 159.8 | 0.972D | 662.142A | 0.28 | 0.251 | 169.4 | 60.8 | 25.7 | 0.283 |
| | | 9.14 | 6.48 | 15.62 | ONE | 29.940 | 272.9 | -28.8 | 28.6 | | | | | | | | | | |
| 43190.0 | 48000.0 | 0.475 | 199.1 | -4.2 | 1.24 | 1.422 | 77.9 | 0.997 | 318.360 | 24.3 | 160.1 | 0.944D | 635.775A | 0.66 | 0.251 | 169.6 | 60.6 | 25.7 | 0.283 |
| | | 10.14 | 6.49 | 16.63 | ONE | 29.940 | 272.9 | -28.8 | 28.7 | | | | | | | | | | |
| 43200.0 | 48000.0 | 0.537 | 196.3 | -4.0 | 1.06 | 1.420 | 72.6 | 0.997 | 295.023 | 34.9 | 160.6 | 0.901D | 589.145A | 0.93 | 0.251 | 169.8 | 60.4 | 25.7 | 0.283 |
| | | 11.64 | 6.49 | 18.13 | ONE | 29.940 | 272.9 | -28.8 | 28.9 | | | | | | | | | | |
| 43210.0 | 48000.0 | 0.612 | 195.5 | -4.4 | 0.96 | 1.418 | 67.3 | 0.997 | 267.076 | 45.6 | 161.3 | 0.844D | 533.307A | 1.14 | 0.250 | 170.1 | 60.1 | 25.7 | 0.284 |
| | | 13.52 | 6.49 | 20.01 | ONE | 29.940 | 272.9 | -28.8 | 29.2 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448200.0** | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 48200.0 | 0.615 | 222.9 | -20.4 | -1.75 | 1.420 | 112.6 | 0.989 | 77.271 | 314.6 | 522.8 | 0.839 | 153.704A | 3.11 | 0.231 | 169.3 | 59.0 | 25.8 | 0.267 |
| | | 13.59 | 6.25 | 19.84 | TWO | 30.664 | 274.2 | -28.7 | 31.3 | | | | | | | | | | |
| 43130.0 | 48200.0 | 0.550 | 223.1 | -23.4 | -2.68 | 1.421 | 107.9 | 0.989 | 81.302 | 324.1 | 522.1 | 0.891 | 161.713A | 4.11 | 0.232 | 169.1 | 59.4 | 26.0 | 0.268 |
| | | 11.94 | 6.25 | 18.20 | TWO | 30.664 | 274.2 | -28.7 | 31.0 | | | | | | | | | | |
| 43140.0 | 48200.0 | 0.503 | 219.1 | -33.1 | -6.05 | 1.422 | 103.1 | 0.989 | 84.932 | 333.7 | 521.6 | 0.933 | 168.931A | 7.57 | 0.233 | 168.9 | 59.5 | 26.6 | 0.268 |
| | | 10.82 | 6.26 | 17.08 | TWO | 30.664 | 274.2 | -28.7 | 30.7 | | | | | | | | | | |
| 43150.0 | 48200.0 | 0.597 | 241.1 | 32.3 | 19.43 | 1.422 | 98.1 | 0.989 | 87.916 | 343.7 | 521.2 | 0.964 | 174.869A | -17.84 | 0.234 | 168.7 | 60.5 | 22.5 | 0.269 |
| | | 13.13 | 6.28 | 19.41 | ONE | 30.664 | 274.2 | -28.7 | 31.0 | | | | | | | | | | |
| 43160.0 | 48200.0 | 0.419 | 219.6 | -1.8 | 3.81 | 1.422 | 93.2 | 0.989 | 90.033 | 353.6 | 521.0 | 0.981 | 179.085A | -2.15 | 0.235 | 168.6 | 60.3 | 25.2 | 0.268 |
| | | 8.87 | 6.26 | 15.13 | ONE | 30.664 | 274.2 | -28.7 | 30.3 | | | | | | | | | | |
| 43170.0 | 48200.0 | 0.410 | 211.2 | -4.7 | 2.15 | 1.421 | 88.2 | 0.989 | 91.120 | 3.7 | 161.0 | 0.984D | 181.257A | -0.41 | 0.235 | 168.6 | 60.3 | 25.5 | 0.268 |
| | | 8.65 | 6.27 | 14.91 | ONE | 30.664 | 274.2 | -28.7 | 30.3 | | | | | | | | | | |
| 43180.0 | 48200.0 | 0.429 | 204.1 | -4.7 | 1.53 | 1.420 | 83.1 | 0.989 | 91.121 | 14.0 | 161.1 | 0.972D | 181.270A | 0.28 | 0.235 | 168.7 | 60.2 | 25.6 | 0.269 |
| | | 9.08 | 6.27 | 15.35 | ONE | 30.664 | 274.2 | -28.7 | 30.3 | | | | | | | | | | |
| 43190.0 | 48200.0 | 0.473 | 199.0 | -4.2 | 1.22 | 1.419 | 77.9 | 0.990 | 90.087 | 24.4 | 161.4 | 0.944D | 179.230A | 0.68 | 0.235 | 168.9 | 60.1 | 25.6 | 0.269 |
| | | 10.09 | 6.27 | 16.36 | ONE | 30.664 | 274.2 | -28.7 | 30.4 | | | | | | | | | | |
| 43200.0 | 48200.0 | 0.534 | 196.2 | -4.1 | 1.04 | 1.417 | 72.6 | 0.990 | 88.174 | 34.9 | 161.9 | 0.901D | 175.447A | 0.94 | 0.234 | 169.1 | 59.8 | 25.6 | 0.269 |
| | | 11.57 | 6.28 | 17.84 | ONE | 30.664 | 274.2 | -28.7 | 30.7 | | | | | | | | | | |
| 43210.0 | 48200.0 | 0.609 | 195.4 | -4.4 | 0.93 | 1.415 | 67.3 | 0.990 | 85.605 | 45.6 | 162.5 | 0.844D | 170.367A | 1.15 | 0.234 | 169.4 | 59.5 | 25.5 | 0.269 |
| | | 13.44 | 6.28 | 19.72 | ONE | 30.664 | 274.2 | -28.7 | 31.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2448400.0** | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 48400.0 | 0.613 | 223.1 | -20.1 | -1.62 | 1.418 | 112.6 | 0.984 | 50.917 | 314.5 | 523.9 | 0.839 | 100.995A | 3.00 | 0.216 | 168.6 | 58.4 | 25.6 | 0.254 |
| | | 13.53 | 6.07 | 19.59 | TWO | 29.454 | 275.6 | -28.7 | 33.1 | | | | | | | | | | |
| 43130.0 | 48400.0 | 0.547 | 223.3 | -22.8 | -2.42 | 1.419 | 107.8 | 0.983 | 52.486 | 324.1 | 523.3 | 0.891 | 104.081A | 3.87 | 0.217 | 168.3 | 58.7 | 25.9 | 0.255 |
| | | 11.87 | 6.07 | 17.94 | TWO | 29.454 | 275.6 | -28.7 | 32.7 | | | | | | | | | | |
| 43140.0 | 48400.0 | 0.496 | 219.9 | -30.5 | -5.06 | 1.420 | 103.0 | 0.983 | 53.843 | 333.7 | 522.8 | 0.933 | 106.753A | 6.59 | 0.218 | 168.1 | 58.9 | 26.4 | 0.255 |
| | | 10.84 | 6.07 | 16.72 | TWO | 29.454 | 275.6 | -28.7 | 32.5 | | | | | | | | | | |
| 43160.0 | 48400.0 | 0.418 | 219.8 | -1.0 | 4.04 | 1.420 | 93.2 | 0.982 | 55.654 | 353.6 | 522.2 | 0.981 | 110.327A | -2.37 | 0.220 | 167.9 | 59.7 | 25.0 | 0.255 |
| | | 8.83 | 6.08 | 14.91 | ONE | 29.454 | 275.6 | -28.7 | 32.1 | | | | | | | | | | |
| 43170.0 | 48400.0 | 0.407 | 211.2 | -4.6 | 2.17 | 1.419 | 88.1 | 0.982 | 56.015 | 3.7 | 162.2 | 0.984D | 111.047A | -0.43 | 0.220 | 167.9 | 59.7 | 25.3 | 0.255 |
| | | 8.59 | 6.08 | 14.67 | ONE | 29.454 | 275.6 | -28.7 | 32.0 | | | | | | | | | | |
| 43180.0 | 48400.0 | 0.427 | 204.0 | -4.6 | 1.52 | 1.418 | 83.1 | 0.983 | 55.992 | 14.0 | 162.3 | 0.972D | 111.012A | 0.29 | 0.220 | 167.9 | 59.6 | 25.4 | 0.255 |
| | | 9.03 | 6.08 | 15.11 | ONE | 29.454 | 275.6 | -28.7 | 32.1 | | | | | | | | | | |
| 43190.0 | 48400.0 | 0.470 | 198.9 | -4.2 | 1.19 | 1.417 | 77.9 | 0.983 | 55.603 | 24.4 | 162.6 | 0.944D | 110.263A | 0.69 | 0.220 | 168.1 | 59.4 | 25.5 | 0.256 |
| | | 10.02 | 6.08 | 16.11 | ONE | 29.454 | 275.6 | -28.7 | 32.2 | | | | | | | | | | |
| 43200.0 | 48400.0 | 0.532 | 196.2 | -4.1 | 1.01 | 1.415 | 72.7 | 0.984 | 54.895 | 34.9 | 163.0 | 0.902D | 108.888A | 0.96 | 0.219 | 168.3 | 59.2 | 25.4 | 0.256 |
| | | 11.50 | 6.09 | 17.58 | ONE | 29.454 | 275.6 | -28.7 | 32.4 | | | | | | | | | | |
| 43210.0 | 48400.0 | 0.606 | 195.5 | -4.5 | 0.90 | 1.413 | 67.4 | 0.984 | 53.931 | 45.5 | 163.6 | 0.845D | 107.018A | 1.16 | 0.218 | 168.7 | 58.8 | 25.4 | 0.256 |
| | | 13.35 | 6.09 | 19.44 | ONE | 29.454 | 275.6 | -28.7 | 32.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2448600.0** | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 48600.0 | 0.611 | 223.3 | -19.9 | -1.50 | 1.416 | 112.6 | 0.979 | 39.278 | 314.4 | 524.9 | 0.838 | 77.717A | 2.89 | 0.202 | 167.8 | 57.7 | 25.4 | 0.243 |
| | | 13.48 | 5.91 | 19.39 | TWO | 31.040 | 276.9 | -28.6 | 35.0 | | | | | | | | | | |
| 43130.0 | 48600.0 | 0.545 | 223.6 | -22.3 | -2.19 | 1.417 | 107.8 | 0.978 | 40.130 | 324.0 | 524.4 | 0.891 | 79.368A | 3.65 | 0.203 | 167.5 | 58.0 | 25.7 | 0.243 |
| | | 11.82 | 5.91 | 17.72 | TWO | 31.040 | 276.9 | -28.6 | 34.6 | | | | | | | | | | |
| 43140.0 | 48600.0 | 0.491 | 220.6 | -28.5 | -4.30 | 1.418 | 103.0 | 0.977 | 40.852 | 333.7 | 523.9 | 0.933 | 80.772A | 5.83 | 0.204 | 167.3 | 58.2 | 26.2 | 0.243 |
| | | 10.52 | 5.91 | 16.43 | TWO | 31.040 | 276.9 | -28.6 | 34.3 | | | | | | | | | | |
| 43160.0 | 48600.0 | 0.417 | 220.2 | -0.1 | 4.32 | 1.417 | 93.2 | 0.977 | 41.794 | 353.6 | 523.4 | 0.981 | 82.608A | -2.65 | 0.206 | 167.0 | 59.1 | 24.7 | 0.243 |
| | | 8.82 | 5.91 | 14.73 | ONE | 31.040 | 276.9 | -28.6 | 33.9 | | | | | | | | | | |
| 43170.0 | 48600.0 | 0.405 | 211.3 | -4.5 | 2.20 | 1.417 | 88.2 | 0.977 | 41.974 | 3.7 | 163.3 | 0.984D | 82.965A | -0.46 | 0.206 | 167.0 | 59.0 | 25.2 | 0.243 |
| | | 8.55 | 5.91 | 14.46 | ONE | 31.040 | 276.9 | -28.6 | 33.8 | | | | | | | | | | |
| 43180.0 | 48600.0 | 0.424 | 204.1 | -4.7 | 1.50 | 1.416 | 83.1 | 0.977 | 41.952 | 13.9 | 163.4 | 0.972D | 82.933A | 0.30 | 0.206 | 167.1 | 58.9 | 25.3 | 0.244 |
| | | 8.98 | 5.92 | 14.89 | ONE | 31.040 | 276.9 | -28.6 | 33.9 | | | | | | | | | | |
| 43190.0 | 48600.0 | 0.467 | 199.0 | -4.3 | 1.17 | 1.414 | 78.0 | 0.977 | 41.738 | 24.3 | 163.7 | 0.945D | 82.532A | 0.71 | 0.206 | 167.3 | 58.8 | 25.3 | 0.244 |
| | | 9.96 | 5.92 | 15.88 | ONE | 31.040 | 276.9 | -28.6 | 34.0 | | | | | | | | | | |
| 43200.0 | 48600.0 | 0.528 | 196.2 | -4.2 | 0.99 | 1.413 | 72.8 | 0.978 | 41.354 | 34.8 | 164.1 | 0.902D | 81.806A | 0.98 | 0.205 | 167.5 | 58.5 | 25.3 | 0.244 |
| | | 11.42 | 5.92 | 17.35 | ONE | 31.040 | 276.9 | -28.6 | 34.3 | | | | | | | | | | |
| 43210.0 | 48600.0 | 0.602 | 195.6 | -4.6 | 0.88 | 1.411 | 67.5 | 0.979 | 40.830 | 45.4 | 164.7 | 0.846D | 80.814A | 1.17 | 0.204 | 167.9 | 58.1 | 25.2 | 0.244 |
| | | 13.26 | 5.93 | 19.19 | ONE | 31.040 | 276.9 | -28.6 | 34.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2448800.0** | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 48800.0 | 0.610 | 223.5 | -19.7 | -1.39 | 1.414 | 112.6 | 0.974 | 32.754 | 314.2 | 525.9 | 0.838 | 64.671A | 2.80 | 0.189 | 167.0 | 56.9 | 25.3 | 0.232 |
| | | 13.46 | 5.76 | 19.23 | TWO | 29.182 | 278.3 | -28.5 | 36.9 | | | | | | | | | | |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43130.0 | 48800.0 | 0.543 | 224.0 | -21.9 | -1.98 | 1.415 | 107.9 | 0.973 | 33.299 | 323.8 | 525.4 | 0.890 | 65.708A | 3.46 | 0.190 | 166.7 | 57.3 | 25.5 | 0.232 |
| | | 11.78 | 5.77 | 17.55 | TWO | 29.182 | 278.3 | -28.5 | 36.5 | | | | | | | | | | |
| 43140.0 | 48800.0 | 0.488 | 221.3 | -27.0 | -3.69 | 1.416 | 103.0 | 0.972 | 33.757 | 333.5 | 525.0 | 0.933 | 66.581A | 5.23 | 0.191 | 166.4 | 57.5 | 25.9 | 0.232 |
| | | 10.44 | 5.77 | 16.21 | TWO | 29.182 | 278.3 | -28.5 | 36.2 | | | | | | | | | | |
| 43160.0 | 48800.0 | 0.417 | 220.8 | 1.0 | 4.67 | 1.416 | 93.2 | 0.971 | 34.344 | 353.5 | 524.5 | 0.981 | 67.708A | -2.99 | 0.193 | 166.2 | 58.4 | 24.5 | 0.232 |
| | | 8.82 | 5.77 | 14.59 | ONE | 29.182 | 278.3 | -28.5 | 35.7 | | | | | | | | | | |
| 43170.0 | 48800.0 | 0.403 | 211.5 | -4.5 | 2.22 | 1.415 | 88.2 | 0.971 | 34.453 | 3.6 | 164.4 | 0.984D | 67.922A | -0.48 | 0.193 | 166.2 | 58.3 | 25.0 | 0.232 |
| | | 8.51 | 5.77 | 14.28 | ONE | 29.182 | 278.3 | -28.5 | 35.7 | | | | | | | | | | |
| 43180.0 | 48800.0 | 0.422 | 204.3 | -4.8 | 1.49 | 1.414 | 83.2 | 0.972 | 34.435 | 13.8 | 164.5 | 0.972D | 67.897A | 0.32 | 0.193 | 166.2 | 58.2 | 25.1 | 0.233 |
| | | 8.92 | 5.77 | 14.70 | ONE | 29.182 | 278.3 | -28.5 | 35.7 | | | | | | | | | | |
| 43190.0 | 48800.0 | 0.465 | 199.1 | -4.4 | 1.15 | 1.413 | 78.1 | 0.972 | 34.295 | 24.2 | 164.8 | 0.945D | 67.645A | 0.73 | 0.193 | 166.4 | 58.1 | 25.2 | 0.233 |
| | | 9.80 | 5.78 | 15.67 | ONE | 29.182 | 278.3 | -28.5 | 35.9 | | | | | | | | | | |
| 43200.0 | 48800.0 | 0.525 | 196.4 | -4.3 | 0.96 | 1.411 | 72.9 | 0.973 | 34.046 | 34.6 | 165.1 | 0.903D | 67.190A | 0.99 | 0.192 | 166.7 | 57.8 | 25.1 | 0.233 |
| | | 11.34 | 5.78 | 17.12 | ONE | 29.182 | 278.3 | -28.5 | 36.1 | | | | | | | | | | |
| 43210.0 | 48800.0 | 0.598 | 195.7 | -4.7 | 0.85 | 1.409 | 67.7 | 0.975 | 33.707 | 45.2 | 165.7 | 0.848D | 66.566A | 1.19 | 0.191 | 167.0 | 57.4 | 25.1 | 0.234 |
| | | 13.16 | 5.79 | 18.94 | ONE | 29.182 | 278.3 | -28.5 | 36.5 | | | | | | | | | | |

ARRIVAL DATE = 2449000.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 49000.0 | 0.610 | 223.8 | -19.6 | -1.28 | 1.413 | 112.7 | 0.971 | 28.605 | 313.9 | 526.9 | 0.836 | 56.373A | 2.71 | 0.177 | 166.1 | 56.1 | 25.1 | 0.222 |
| | | 13.46 | 5.64 | 19.10 | TWO | 31.151 | 279.6 | -28.5 | 38.8 | | | | | | | | | | |
| 43130.0 | 49000.0 | 0.543 | 224.3 | -21.5 | -1.80 | 1.414 | 107.9 | 0.969 | 28.989 | 323.6 | 526.4 | 0.889 | 57.089A | 3.29 | 0.178 | 165.8 | 56.5 | 25.3 | 0.222 |
| | | 11.77 | 5.64 | 17.41 | TWO | 31.151 | 279.6 | -28.5 | 38.4 | | | | | | | | | | |
| 43140.0 | 49000.0 | 0.486 | 222.0 | -25.7 | -3.19 | 1.414 | 103.1 | 0.968 | 29.310 | 333.3 | 525.9 | 0.932 | 57.688A | 4.75 | 0.179 | 165.5 | 56.8 | 25.7 | 0.222 |
| | | 10.39 | 5.64 | 16.04 | TWO | 31.151 | 279.6 | -28.5 | 38.1 | | | | | | | | | | |
| 43150.0 | 49000.0 | 0.549 | 202.5 | -59.4 | -16.23 | 1.414 | 98.3 | 0.967 | 29.556 | 343.2 | 525.6 | 0.963 | 58.150A | 17.85 | 0.180 | 165.3 | 55.8 | 28.2 | 0.224 |
| | | 11.93 | 5.66 | 17.60 | TWO | 31.151 | 279.6 | -28.5 | 38.4 | | | | | | | | | | |
| 43160.0 | 49000.0 | 0.418 | 221.6 | 2.3 | 5.12 | 1.414 | 93.3 | 0.967 | 29.719 | 353.3 | 525.5 | 0.980 | 58.457A | -3.44 | 0.181 | 165.2 | 57.7 | 24.2 | 0.222 |
| | | 8.84 | 5.64 | 14.48 | ONE | 31.151 | 279.6 | -28.5 | 37.6 | | | | | | | | | | |
| 43170.0 | 49000.0 | 0.402 | 211.9 | -4.4 | 2.26 | 1.413 | 88.3 | 0.967 | 29.792 | 3.4 | 165.4 | 0.984D | 58.601A | -0.51 | 0.181 | 165.2 | 57.6 | 24.8 | 0.222 |
| | | 8.47 | 5.64 | 14.11 | ONE | 31.151 | 279.6 | -28.5 | 37.6 | | | | | | | | | | |
| 43180.0 | 49000.0 | 0.420 | 204.5 | -4.9 | 1.48 | 1.412 | 83.3 | 0.967 | 29.777 | 13.6 | 165.5 | 0.972D | 58.582A | 0.33 | 0.181 | 165.3 | 57.5 | 24.9 | 0.223 |
| | | 8.87 | 5.64 | 14.52 | ONE | 31.151 | 279.6 | -28.5 | 37.6 | | | | | | | | | | |
| 43190.0 | 49000.0 | 0.462 | 199.4 | -4.6 | 1.13 | 1.411 | 78.2 | 0.968 | 29.676 | 24.0 | 165.7 | 0.946D | 58.407A | 0.75 | 0.181 | 165.5 | 57.3 | 25.0 | 0.223 |
| | | 9.83 | 5.65 | 15.48 | ONE | 31.151 | 279.6 | -28.5 | 37.8 | | | | | | | | | | |
| 43200.0 | 49000.0 | 0.522 | 196.6 | -4.5 | 0.93 | 1.409 | 73.1 | 0.969 | 29.499 | 34.4 | 166.1 | 0.905D | 58.093A | 1.01 | 0.180 | 165.8 | 57.0 | 25.0 | 0.223 |
| | | 11.26 | 5.65 | 16.91 | ONE | 31.151 | 279.6 | -28.5 | 38.0 | | | | | | | | | | |
| 43210.0 | 49000.0 | 0.594 | 195.9 | -4.8 | 0.82 | 1.407 | 67.9 | 0.971 | 29.256 | 44.9 | 166.6 | 0.850D | 57.662A | 1.20 | 0.179 | 166.2 | 56.6 | 24.9 | 0.224 |
| | | 13.06 | 5.66 | 18.72 | ONE | 31.151 | 279.6 | -28.5 | 38.4 | | | | | | | | | | |

ARRIVAL DATE = 2449200.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 49200.0 | 0.611 | 224.2 | -19.4 | -1.18 | 1.411 | 112.8 | 0.968 | 25.749 | 313.6 | 527.7 | 0.835 | 50.663A | 2.62 | 0.166 | 165.1 | 55.3 | 24.9 | 0.213 |
| | | 13.47 | 5.53 | 19.00 | TWO | 29.203 | 281.0 | -28.4 | 40.8 | | | | | | | | | | |
| 43130.0 | 49200.0 | 0.543 | 224.8 | -21.2 | -1.63 | 1.412 | 108.0 | 0.966 | 26.039 | 323.3 | 527.3 | 0.888 | 51.189A | 3.14 | 0.167 | 164.8 | 55.7 | 25.1 | 0.213 |
| | | 11.77 | 5.53 | 17.30 | TWO | 29.203 | 281.0 | -28.4 | 40.3 | | | | | | | | | | |
| 43140.0 | 49200.0 | 0.485 | 222.7 | -24.7 | -2.78 | 1.413 | 103.2 | 0.965 | 26.280 | 333.1 | 526.9 | 0.931 | 51.628A | 4.35 | 0.168 | 164.5 | 56.0 | 25.4 | 0.213 |
| | | 10.37 | 5.53 | 15.90 | TWO | 29.203 | 281.0 | -28.4 | 40.0 | | | | | | | | | | |
| 43150.0 | 49200.0 | 0.485 | 210.7 | -46.4 | -10.49 | 1.413 | 98.4 | 0.964 | 26.464 | 342.9 | 526.6 | 0.962 | 51.965A | 12.11 | 0.169 | 164.3 | 55.6 | 27.0 | 0.214 |
| | | 10.38 | 5.54 | 15.92 | TWO | 29.203 | 281.0 | -28.4 | 40.0 | | | | | | | | | | |
| 43160.0 | 49200.0 | 0.421 | 222.6 | 4.1 | 5.74 | 1.413 | 93.4 | 0.963 | 26.585 | 353.1 | 526.4 | 0.980 | 52.189A | -4.05 | 0.169 | 164.2 | 56.9 | 23.8 | 0.213 |
| | | 8.90 | 5.53 | 14.43 | ONE | 29.203 | 281.0 | -28.4 | 39.6 | | | | | | | | | | |
| 43170.0 | 49200.0 | 0.400 | 212.3 | -4.4 | 2.29 | 1.412 | 88.4 | 0.963 | 26.639 | 3.2 | 166.4 | 0.984D | 52.294A | -0.55 | 0.170 | 164.2 | 56.8 | 24.6 | 0.213 |
| | | 8.44 | 5.53 | 13.97 | ONE | 29.203 | 281.0 | -28.4 | 39.5 | | | | | | | | | | |
| 43180.0 | 49200.0 | 0.418 | 204.9 | -5.1 | 1.46 | 1.411 | 83.4 | 0.963 | 26.626 | 13.4 | 166.5 | 0.973D | 52.279A | 0.34 | 0.170 | 164.3 | 56.7 | 24.8 | 0.214 |
| | | 8.82 | 5.53 | 14.36 | ONE | 29.203 | 281.0 | -28.4 | 39.5 | | | | | | | | | | |
| 43190.0 | 49200.0 | 0.459 | 199.7 | -4.7 | 1.10 | 1.410 | 78.4 | 0.964 | 26.549 | 23.7 | 166.7 | 0.947D | 52.152A | 0.77 | 0.169 | 164.5 | 56.5 | 24.8 | 0.214 |
| | | 9.77 | 5.54 | 15.30 | ONE | 29.203 | 281.0 | -28.4 | 39.7 | | | | | | | | | | |
| 43200.0 | 49200.0 | 0.518 | 196.9 | -4.6 | 0.90 | 1.408 | 73.2 | 0.966 | 26.414 | 34.1 | 167.0 | 0.906D | 51.922A | 1.03 | 0.169 | 164.8 | 56.2 | 24.8 | 0.214 |
| | | 11.18 | 5.54 | 16.72 | ONE | 29.203 | 281.0 | -28.4 | 40.0 | | | | | | | | | | |
| 43210.0 | 49200.0 | 0.590 | 196.2 | -5.0 | 0.79 | 1.406 | 68.1 | 0.968 | 26.229 | 44.6 | 167.5 | 0.852D | 51.606A | 1.22 | 0.168 | 165.2 | 55.8 | 24.7 | 0.215 |
| | | 12.96 | 5.55 | 18.50 | ONE | 29.203 | 281.0 | -28.4 | 40.3 | | | | | | | | | | |

ARRIVAL DATE = 2449400.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 49400.0 | 0.612 | 224.5 | -19.3 | -1.09 | 1.410 | 112.9 | 0.965 | 23.676 | 313.3 | 528.6 | 0.833 | 46.520A | 2.55 | 0.155 | 164.1 | 54.4 | 24.6 | 0.205 |
| | | 13.50 | 5.43 | 18.94 | TWO | 30.959 | 282.3 | -28.2 | 42.8 | | | | | | | | | | |
| 43130.0 | 49400.0 | 0.543 | 225.2 | -20.9 | -1.48 | 1.411 | 108.2 | 0.963 | 23.905 | 323.0 | 528.1 | 0.887 | 46.924A | 3.00 | 0.156 | 163.8 | 54.8 | 24.9 | 0.205 |
| | | 11.79 | 5.43 | 17.22 | TWO | 30.959 | 282.3 | -28.2 | 42.3 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 49400.0 | 0.484<br>10.36 | 223.4<br>5.43 | -23.8<br>15.79 | -2.43<br>TWO | 1.411<br>30.959 | 103.3<br>282.3 | 0.961<br>-28.2 | 24.095<br>42.0 | 332.8 | 527.8 | 0.930 | 47.260A | 4.01 | 0.158 | 163.5 | 55.1 | 25.2 | 0.205 |
| 43150.0 | 49400.0 | 0.461<br>9.80 | 214.6<br>5.44 | -38.6<br>15.24 | -7.52<br>TWO | 1.412<br>30.959 | 98.5<br>282.3 | 0.960<br>-28.2 | 24.240<br>41.8 | 342.7 | 527.5 | 0.961 | 47.518A | 9.15 | 0.158 | 163.3 | 55.0 | 26.3 | 0.205 |
| 43160.0 | 49400.0 | 0.426<br>9.01 | 224.0<br>5.43 | 6.7<br>14.44 | 6.62<br>ONE | 1.411<br>30.959 | 93.5<br>282.3 | 0.960<br>-28.2 | 24.335<br>41.6 | 352.8 | 527.3 | 0.980 | 47.689A | -4.93 | 0.159 | 163.2 | 56.2 | 23.4 | 0.205 |
| 43170.0 | 49400.0 | 0.399<br>8.41 | 212.8<br>5.43 | -4.4<br>13.84 | 2.34<br>ONE | 1.411<br>30.959 | 88.6<br>282.3 | 0.960<br>-28.2 | 24.377<br>41.5 | 2.9 | 167.3 | 0.984D | 47.770A | -0.59 | 0.159 | 163.2 | 56.0 | 24.4 | 0.205 |
| 43180.0 | 49400.0 | 0.415<br>8.78 | 205.3<br>5.43 | -5.3<br>14.21 | 1.45<br>ONE | 1.410<br>30.959 | 83.6<br>282.3 | 0.960<br>-28.2 | 24.366<br>41.5 | 13.1 | 167.3 | 0.973D | 47.759A | 0.36 | 0.159 | 163.3 | 55.9 | 24.6 | 0.205 |
| 43190.0 | 49400.0 | 0.456<br>9.70 | 200.0<br>5.44 | -5.0<br>15.13 | 1.07<br>ONE | 1.408<br>30.959 | 78.5<br>282.3 | 0.961<br>-28.2 | 24.305<br>41.7 | 23.4 | 167.5 | 0.948D | 47.662A | 0.79 | 0.159 | 163.4 | 55.7 | 24.6 | 0.205 |
| 43200.0 | 49400.0 | 0.515<br>11.09 | 197.2<br>5.44 | -4.8<br>16.53 | 0.87<br>ONE | 1.407<br>30.959 | 73.4<br>282.3 | 0.962<br>-28.2 | 24.197<br>41.9 | 33.8 | 167.9 | 0.908D | 47.487A | 1.05 | 0.158 | 163.7 | 55.4 | 24.6 | 0.206 |
| 43210.0 | 49400.0 | 0.586<br>12.85 | 196.4<br>5.45 | -5.2<br>18.29 | 0.76<br>ONE | 1.405<br>30.959 | 68.3<br>282.3 | 0.964<br>-28.2 | 24.050<br>42.3 | 44.2 | 168.3 | 0.854D | 47.245A | 1.23 | 0.157 | 164.1 | 55.0 | 24.5 | 0.206 |
| ARRIVAL DATE = 2449600.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 49600.0 | 0.613<br>13.54 | 224.9<br>5.35 | -19.2<br>18.89 | -1.00<br>TWO | 1.409<br>29.509 | 113.1<br>283.6 | 0.962<br>-28.1 | 22.113<br>44.8 | 312.9 | 529.4 | 0.831 | 43.396A | 2.47 | 0.145 | 163.1 | 53.5 | 24.4 | 0.198 |
| 43130.0 | 49600.0 | 0.545<br>11.82 | 225.7<br>5.35 | -20.7<br>17.16 | -1.34<br>TWO | 1.410<br>29.509 | 108.3<br>283.6 | 0.960<br>-28.1 | 22.300<br>44.4 | 322.6 | 528.9 | 0.885 | 43.716A | 2.87 | 0.147 | 162.7 | 54.0 | 24.6 | 0.198 |
| 43140.0 | 49600.0 | 0.485<br>10.37 | 224.1<br>5.34 | -21.1<br>15.71 | -2.13<br>TWO | 1.410<br>29.509 | 103.5<br>283.6 | 0.959<br>-28.1 | 22.455<br>44.0 | 332.4 | 528.6 | 0.929 | 43.982A | 3.72 | 0.148 | 162.4 | 54.3 | 24.9 | 0.198 |
| 43150.0 | 49600.0 | 0.449<br>9.55 | 217.1<br>5.35 | -33.6<br>14.89 | -5.70<br>TWO | 1.411<br>29.509 | 98.6<br>283.6 | 0.957<br>-28.1 | 22.574<br>43.8 | 342.3 | 528.3 | 0.961 | 44.186A | 7.34 | 0.148 | 162.2 | 54.2 | 25.8 | 0.198 |
| 43160.0 | 49600.0 | 0.435<br>9.23 | 226.0<br>5.35 | 10.5<br>14.57 | 7.99<br>ONE | 1.410<br>29.509 | 93.7<br>283.6 | 0.957<br>-28.1 | 22.651<br>43.6 | 352.4 | 528.2 | 0.980 | 44.322A | -6.30 | 0.149 | 162.0 | 55.4 | 22.8 | 0.198 |
| 43170.0 | 49600.0 | 0.398<br>8.39 | 213.4<br>5.34 | -4.5<br>13.73 | 2.38<br>ONE | 1.410<br>29.509 | 88.8<br>283.6 | 0.957<br>-28.1 | 22.685<br>43.5 | 2.5 | 168.1 | 0.984D | 44.386A | -0.64 | 0.149 | 162.0 | 55.1 | 24.1 | 0.197 |
| 43180.0 | 49600.0 | 0.413<br>8.73 | 205.8<br>5.35 | -5.5<br>14.07 | 1.43<br>ONE | 1.409<br>29.509 | 83.8<br>283.6 | 0.957<br>-28.1 | 22.677<br>43.5 | 12.8 | 168.2 | 0.974D | 44.379A | 0.37 | 0.149 | 162.1 | 55.0 | 24.3 | 0.198 |
| 43190.0 | 49600.0 | 0.453<br>9.63 | 200.5<br>5.35 | -5.2<br>14.98 | 1.04<br>ONE | 1.407<br>29.509 | 78.7<br>283.6 | 0.958<br>-28.1 | 22.626<br>43.7 | 23.0 | 168.4 | 0.949D | 44.304A | 0.81 | 0.149 | 162.3 | 54.8 | 24.4 | 0.198 |
| 43200.0 | 49600.0 | 0.511<br>11.00 | 197.6<br>5.35 | -5.0<br>16.35 | 0.84<br>ONE | 1.406<br>29.509 | 73.7<br>283.6 | 0.960<br>-28.1 | 22.538<br>43.9 | 33.4 | 168.7 | 0.910D | 44.166A | 1.07 | 0.148 | 162.6 | 54.5 | 24.4 | 0.198 |
| 43210.0 | 49600.0 | 0.582<br>12.74 | 196.8<br>5.36 | -5.4<br>18.10 | 0.73<br>ONE | 1.404<br>29.509 | 68.5<br>283.6 | 0.962<br>-28.1 | 22.416<br>44.3 | 43.8 | 169.0 | 0.857D | 43.976A | 1.25 | 0.147 | 163.0 | 54.1 | 24.3 | 0.199 |
| ARRIVAL DATE = 2449800.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 49800.0 | 0.616<br>13.60 | 225.4<br>5.27 | -19.2<br>18.87 | -0.91<br>TWO | 1.408<br>30.522 | 113.3<br>285.0 | 0.960<br>-28.0 | 20.900<br>46.9 | 312.4 | 530.1 | 0.828 | 40.972A | 2.41 | 0.136 | 161.9 | 52.6 | 24.1 | 0.191 |
| 43130.0 | 49800.0 | 0.546<br>11.86 | 226.3<br>5.27 | -20.5<br>17.13 | -1.21<br>TWO | 1.409<br>30.522 | 108.5<br>285.0 | 0.958<br>-28.0 | 21.057<br>46.4 | 322.2 | 529.7 | 0.883 | 41.232A | 2.76 | 0.137 | 161.5 | 53.0 | 24.4 | 0.191 |
| 43140.0 | 49800.0 | 0.485<br>10.39 | 224.9<br>5.27 | -22.5<br>15.65 | -1.88<br>TWO | 1.409<br>30.522 | 103.7<br>285.0 | 0.956<br>-28.0 | 21.188<br>46.0 | 332.0 | 529.4 | 0.927 | 41.448A | 3.47 | 0.138 | 161.2 | 53.4 | 24.7 | 0.191 |
| 43150.0 | 49800.0 | 0.444<br>9.42 | 219.0<br>5.27 | -30.2<br>14.69 | -4.49<br>TWO | 1.410<br>30.522 | 98.8<br>285.0 | 0.955<br>-28.0 | 21.287<br>45.8 | 342.0 | 529.1 | 0.960 | 41.614A | 6.13 | 0.139 | 160.9 | 53.4 | 25.3 | 0.191 |
| 43160.0 | 49800.0 | 0.457<br>9.72 | 229.1<br>5.27 | 17.0<br>14.99 | 10.41<br>ONE | 1.409<br>30.522 | 93.9<br>285.0 | 0.954<br>-28.0 | 21.352<br>45.7 | 352.1 | 529.0 | 0.979 | 41.725A | -8.71 | 0.140 | 160.8 | 54.7 | 22.0 | 0.191 |
| 43170.0 | 49800.0 | 0.397<br>8.37 | 214.2<br>5.27 | -4.5<br>13.63 | 2.44<br>ONE | 1.409<br>30.522 | 88.9<br>285.0 | 0.954<br>-28.0 | 21.381<br>45.5 | 2.2 | 168.9 | 0.984D | 41.778A | -0.69 | 0.140 | 160.8 | 54.3 | 23.9 | 0.191 |
| 43180.0 | 49800.0 | 0.411<br>8.68 | 206.4<br>5.27 | -5.8<br>13.95 | 1.41<br>ONE | 1.408<br>30.522 | 84.0<br>285.0 | 0.954<br>-28.0 | 21.374<br>45.5 | 12.4 | 169.0 | 0.975D | 41.773A | 0.39 | 0.140 | 160.9 | 54.1 | 24.1 | 0.191 |
| 43190.0 | 49800.0 | 0.450<br>9.56 | 201.0<br>5.27 | -5.5<br>14.83 | 1.01<br>ONE | 1.406<br>30.522 | 78.9<br>285.0 | 0.955<br>-28.0 | 21.332<br>45.7 | 22.6 | 169.1 | 0.951D | 41.713A | 0.84 | 0.139 | 161.1 | 53.9 | 24.2 | 0.191 |
| 43200.0 | 49800.0 | 0.507<br>10.90 | 198.0<br>5.28 | -5.3<br>16.18 | 0.81<br>ONE | 1.405<br>30.522 | 73.9<br>285.0 | 0.957<br>-28.0 | 21.258<br>45.9 | 33.0 | 169.4 | 0.912D | 41.603A | 1.10 | 0.139 | 161.4 | 53.6 | 24.1 | 0.191 |
| 43210.0 | 49800.0 | 0.577<br>12.62 | 197.2<br>5.28 | -5.6<br>17.91 | 0.69<br>ONE | 1.403<br>30.522 | 68.8<br>285.0 | 0.959<br>-28.0 | 21.155<br>46.3 | 43.4 | 169.8 | 0.860D | 41.450A | 1.27 | 0.138 | 161.8 | 53.3 | 24.1 | 0.192 |
| ARRIVAL DATE = 2450600.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 50000.0 | 0.618<br>13.67 | 225.9<br>5.21 | -19.1<br>18.87 | -0.83<br>TWO | 1.407<br>30.005 | 113.5<br>286.3 | 0.959<br>-27.8 | 19.937<br>49.0 | 312.0 | 530.8 | 0.825 | 39.050A | 2.34 | 0.127 | 160.6 | 51.6 | 23.9 | 0.185 |
| 43130.0 | 50000.0 | 0.548<br>11.91 | 226.9<br>5.20 | -20.3<br>17.11 | -1.09<br>TWO | 1.408<br>30.005 | 108.7<br>286.3 | 0.956<br>-27.8 | 20.073<br>48.5 | 321.7 | 530.4 | 0.881 | 39.265A | 2.65 | 0.129 | 160.2 | 52.1 | 24.1 | 0.185 |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 50000.0 | 0.487 | 225.6 | -22.1 | -1.65 | 1.409 | 103.9 | 0.954 | 20.185 | 331.6 | 530.1 | 0.926 | 39.444A | 3.26 | 0.130 | 159.9 | 52.5 | 24.4 | 0.184 |
| | | 10.42 | 5.20 | 15.62 | TWO | 30.005 | 286.3 | -27.8 | 48.1 | | | | | | | | | | |
| 43150.0 | 50000.0 | 0.442 | 220.5 | -27.7 | -3.61 | 1.409 | 99.0 | 0.953 | 20.270 | 341.5 | 529.9 | 0.959 | 39.581A | 5.27 | 0.130 | 159.6 | 52.6 | 24.9 | 0.184 |
| | | 9.37 | 5.20 | 14.57 | TWO | 30.005 | 286.3 | -27.8 | 47.9 | | | | | | | | | | |
| 43160.0 | 50000.0 | 0.519 | 235.5 | 29.4 | 15.77 | 1.408 | 94.1 | 0.952 | 20.326 | 351.7 | 529.7 | 0.979 | 39.673A | -14.06 | 0.131 | 159.5 | 54.0 | 20.4 | 0.186 |
| | | 11.19 | 5.21 | 16.40 | ONE | 30.005 | 286.3 | -27.8 | 48.0 | | | | | | | | | | |
| 43170.0 | 50000.0 | 0.396 | 214.9 | -4.5 | 2.51 | 1.408 | 89.2 | 0.952 | 20.351 | 1.7 | 169.7 | 0.984D | 39.718A | -0.76 | 0.131 | 159.5 | 53.4 | 23.6 | 0.184 |
| | | 8.35 | 5.20 | 13.55 | ONE | 30.005 | 286.3 | -27.8 | 47.5 | | | | | | | | | | |
| 43180.0 | 50000.0 | 0.409 | 207.0 | -6.1 | 1.39 | 1.407 | 84.2 | 0.952 | 20.346 | 11.9 | 169.7 | 0.976D | 39.715A | 0.41 | 0.131 | 159.6 | 53.2 | 23.9 | 0.184 |
| | | 8.63 | 5.20 | 13.83 | ONE | 30.005 | 286.3 | -27.8 | 47.6 | | | | | | | | | | |
| 43190.0 | 50000.0 | 0.447 | 201.5 | -5.8 | 0.98 | 1.405 | 79.2 | 0.953 | 20.310 | 22.2 | 169.9 | 0.952D | 39.667A | 0.87 | 0.131 | 159.8 | 53.0 | 23.9 | 0.185 |
| | | 9.49 | 5.20 | 14.69 | ONE | 30.005 | 286.3 | -27.8 | 47.7 | | | | | | | | | | |
| 43200.0 | 50000.0 | 0.503 | 198.5 | -5.6 | 0.78 | 1.404 | 74.1 | 0.955 | 20.246 | 32.5 | 170.1 | 0.914D | 39.578A | 1.12 | 0.130 | 160.1 | 52.7 | 23.9 | 0.185 |
| | | 10.81 | 5.21 | 16.02 | ONE | 30.005 | 286.3 | -27.8 | 48.0 | | | | | | | | | | |
| 43210.0 | 50000.0 | 0.572 | 197.6 | -5.8 | 0.66 | 1.402 | 69.1 | 0.957 | 20.158 | 42.9 | 170.5 | 0.863D | 39.453A | 1.29 | 0.129 | 160.5 | 52.4 | 23.8 | 0.186 |
| | | 12.51 | 5.21 | 17.72 | ONE | 30.005 | 286.3 | -27.8 | 48.3 | | | | | | | | | | |
| ARRIVAL DATE = 2450200.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 50200.0 | 0.621 | 226.4 | -19.1 | -0.76 | 1.406 | 113.7 | 0.957 | 19.161 | 311.4 | 531.5 | 0.822 | 37.499A | 2.29 | 0.119 | 159.3 | 50.6 | 23.6 | 0.180 |
| | | 13.74 | 5.15 | 18.89 | TWO | 29.969 | 287.6 | -27.6 | 51.1 | | | | | | | | | | |
| 43130.0 | 50200.0 | 0.551 | 227.4 | -20.2 | -0.98 | 1.407 | 108.9 | 0.954 | 19.279 | 321.2 | 531.1 | 0.878 | 37.679A | 2.55 | 0.120 | 158.8 | 51.1 | 23.8 | 0.179 |
| | | 11.97 | 5.14 | 17.12 | TWO | 29.969 | 287.6 | -27.6 | 50.6 | | | | | | | | | | |
| 43140.0 | 50200.0 | 0.488 | 226.4 | -21.7 | -1.45 | 1.408 | 104.1 | 0.952 | 19.377 | 331.1 | 530.8 | 0.924 | 37.830A | 3.07 | 0.121 | 158.5 | 51.5 | 24.1 | 0.179 |
| | | 10.46 | 5.14 | 15.60 | TWO | 29.969 | 287.6 | -27.6 | 50.2 | | | | | | | | | | |
| 43150.0 | 50200.0 | 0.441 | 221.9 | -25.9 | -2.95 | 1.408 | 99.2 | 0.951 | 19.452 | 341.1 | 530.6 | 0.957 | 37.946A | 4.62 | 0.122 | 158.2 | 51.7 | 24.6 | 0.179 |
| | | 9.35 | 5.14 | 14.49 | TWO | 29.969 | 287.6 | -27.6 | 49.9 | | | | | | | | | | |
| 43170.0 | 50200.0 | 0.395 | 215.8 | -4.4 | 2.60 | 1.407 | 89.4 | 0.950 | 19.523 | 1.3 | 170.4 | 0.985D | 38.062A | -0.84 | 0.123 | 158.1 | 52.4 | 23.3 | 0.178 |
| | | 8.34 | 5.14 | 13.47 | ONE | 29.969 | 287.6 | -27.6 | 49.6 | | | | | | | | | | |
| 43180.0 | 50200.0 | 0.407 | 207.8 | -6.4 | 1.36 | 1.406 | 84.4 | 0.950 | 19.519 | 11.5 | 170.5 | 0.976D | 38.061A | 0.43 | 0.123 | 158.1 | 52.3 | 23.6 | 0.179 |
| | | 8.59 | 5.14 | 13.73 | ONE | 29.969 | 287.6 | -27.6 | 49.7 | | | | | | | | | | |
| 43190.0 | 50200.0 | 0.444 | 202.1 | -6.1 | 0.95 | 1.405 | 79.4 | 0.951 | 19.488 | 21.7 | 170.6 | 0.954D | 38.022A | 0.90 | 0.123 | 158.3 | 52.1 | 23.7 | 0.179 |
| | | 9.42 | 5.14 | 14.56 | ONE | 29.969 | 287.6 | -27.6 | 49.8 | | | | | | | | | | |
| 43200.0 | 50200.0 | 0.499 | 199.0 | -5.9 | 0.74 | 1.403 | 74.4 | 0.953 | 19.433 | 32.0 | 170.8 | 0.917D | 37.949A | 1.15 | 0.122 | 158.7 | 51.8 | 23.7 | 0.179 |
| | | 10.71 | 5.15 | 15.86 | ONE | 29.969 | 287.6 | -27.6 | 50.1 | | | | | | | | | | |
| 43210.0 | 50200.0 | 0.568 | 198.0 | -6.1 | 0.63 | 1.401 | 69.3 | 0.955 | 19.356 | 42.3 | 171.1 | 0.866D | 37.845A | 1.31 | 0.121 | 159.1 | 51.4 | 23.6 | 0.180 |
| | | 12.39 | 5.15 | 17.54 | ONE | 29.969 | 287.6 | -27.6 | 50.4 | | | | | | | | | | |
| 43220.0 | 50200.0 | 0.645 | 198.8 | -6.8 | 0.56 | 1.399 | 64.3 | 0.958 | 19.260 | 52.7 | 171.5 | 0.803D | 37.718A | 1.44 | 0.120 | 159.7 | 51.0 | 23.5 | 0.181 |
| | | 14.35 | 5.16 | 19.51 | ONE | 29.969 | 287.6 | -27.6 | 50.9 | | | | | | | | | | |
| ARRIVAL DATE = 2450400.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 50400.0 | 0.625 | 226.9 | -19.0 | -0.69 | 1.406 | 114.0 | 0.956 | 18.525 | 310.9 | 532.2 | 0.819 | 36.231A | 2.23 | 0.111 | 157.8 | 49.7 | 23.3 | 0.175 |
| | | 13.83 | 5.10 | 18.93 | TWO | 30.540 | 289.0 | -27.5 | 53.2 | | | | | | | | | | |
| 43130.0 | 50400.0 | 0.554 | 228.1 | -20.1 | -0.88 | 1.407 | 109.2 | 0.953 | 18.630 | 320.7 | 531.8 | 0.875 | 36.384A | 2.47 | 0.113 | 157.3 | 50.2 | 23.5 | 0.174 |
| | | 12.04 | 5.09 | 17.14 | TWO | 30.540 | 289.0 | -27.5 | 52.7 | | | | | | | | | | |
| 43140.0 | 50400.0 | 0.491 | 227.2 | -21.3 | -1.27 | 1.407 | 104.3 | 0.951 | 18.717 | 330.6 | 531.5 | 0.922 | 36.512A | 2.90 | 0.114 | 157.0 | 50.6 | 23.8 | 0.174 |
| | | 10.51 | 5.09 | 15.60 | TWO | 30.540 | 289.0 | -27.5 | 52.3 | | | | | | | | | | |
| 43150.0 | 50400.0 | 0.441 | 223.1 | -24.6 | -2.44 | 1.407 | 99.5 | 0.949 | 18.783 | 340.6 | 531.3 | 0.956 | 36.611A | 4.11 | 0.115 | 156.7 | 50.7 | 24.2 | 0.174 |
| | | 9.35 | 5.09 | 14.44 | TWO | 30.540 | 289.0 | -27.5 | 52.0 | | | | | | | | | | |
| 43170.0 | 50400.0 | 0.395 | 216.8 | -4.4 | 2.70 | 1.406 | 89.6 | 0.948 | 18.848 | 0.8 | 171.1 | 0.985D | 36.712A | -0.95 | 0.115 | 156.5 | 51.5 | 23.0 | 0.173 |
| | | 8.33 | 5.08 | 13.41 | ONE | 30.540 | 289.0 | -27.5 | 51.7 | | | | | | | | | | |
| 43180.0 | 50400.0 | 0.405 | 208.5 | -6.8 | 1.34 | 1.405 | 84.7 | 0.948 | 18.845 | 10.9 | 171.1 | 0.977D | 36.712A | 0.46 | 0.115 | 156.6 | 51.4 | 23.4 | 0.173 |
| | | 8.54 | 5.09 | 13.63 | ONE | 30.540 | 289.0 | -27.5 | 51.7 | | | | | | | | | | |
| 43190.0 | 50400.0 | 0.441 | 202.8 | -6.5 | 0.91 | 1.404 | 79.7 | 0.949 | 18.818 | 21.2 | 171.3 | 0.955D | 36.680A | 0.93 | 0.115 | 156.8 | 51.2 | 23.4 | 0.174 |
| | | 9.34 | 5.09 | 14.43 | ONE | 30.540 | 289.0 | -27.5 | 51.9 | | | | | | | | | | |
| 43200.0 | 50400.0 | 0.495 | 199.5 | -6.2 | 0.70 | 1.402 | 74.7 | 0.951 | 18.769 | 31.5 | 171.5 | 0.919D | 36.619A | 1.17 | 0.114 | 157.1 | 50.9 | 23.4 | 0.174 |
| | | 10.62 | 5.09 | 15.71 | ONE | 30.540 | 289.0 | -27.5 | 52.1 | | | | | | | | | | |
| 43210.0 | 50400.0 | 0.563 | 198.5 | -6.4 | 0.59 | 1.401 | 69.6 | 0.954 | 18.701 | 41.8 | 171.7 | 0.869D | 36.533A | 1.33 | 0.114 | 157.6 | 50.5 | 23.3 | 0.175 |
| | | 12.27 | 5.10 | 17.37 | ONE | 30.540 | 289.0 | -27.5 | 52.5 | | | | | | | | | | |
| 43220.0 | 50400.0 | 0.639 | 199.2 | -7.0 | 0.52 | 1.399 | 64.6 | 0.957 | 18.617 | 52.1 | 172.1 | 0.807D | 36.426A | 1.45 | 0.112 | 158.2 | 50.1 | 23.2 | 0.176 |
| | | 14.20 | 5.11 | 19.31 | ONE | 30.540 | 289.0 | -27.5 | 52.9 | | | | | | | | | | |
| ARRIVAL DATE = 2450600.0 | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 50600.0 | 0.628 | 227.4 | -19.0 | -0.62 | 1.405 | 114.2 | 0.955 | 17.999 | 310.3 | 532.8 | 0.815 | 35.184A | 2.18 | 0.104 | 156.3 | 48.7 | 23.0 | 0.170 |
| | | 13.93 | 5.05 | 18.98 | TWO | 29.463 | 290.3 | -27.3 | 55.4 | | | | | | | | | | |
| 43130.0 | 50600.0 | 0.557 | 228.7 | -20.0 | -0.78 | 1.406 | 109.4 | 0.952 | 18.094 | 320.1 | 532.4 | 0.872 | 35.315A | 2.38 | 0.105 | 155.7 | 49.2 | 23.2 | 0.170 |
| | | 12.13 | 5.05 | 17.17 | TWO | 29.463 | 290.3 | -27.3 | 54.9 | | | | | | | | | | |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43140.0 | 50600.0 | 0.493<br>10.57 | 228.0<br>5.04 | -21.0<br>15.61 | -1.11<br>TWO | 1.407<br>29.463 | 104.6<br>290.3 | 0.949<br>-27.3 | 18.172<br>54.4 | 330.1 | 532.2 | 0.919 | 35.424A | 2.75 | 0.107 | 155.3 | 49.6 | 23.5 | 0.169 |
| 43150.0 | 50600.0 | 0.442<br>9.37 | 224.3<br>5.04 | -23.5<br>14.41 | -2.02<br>TWO | 1.407<br>29.463 | 99.7<br>290.3 | 0.948<br>-27.3 | 18.232<br>54.1 | 340.0 | 531.9 | 0.955 | 35.509A | 3.70 | 0.107 | 155.1 | 49.8 | 23.8 | 0.169 |
| 43160.0 | 50600.0 | 0.494<br>10.60 | 202.8<br>5.05 | -55.8<br>15.65 | -13.70<br>TWO | 1.407<br>29.463 | 94.8<br>290.3 | 0.947<br>-27.3 | 18.272<br>54.3 | 350.1 | 531.8 | 0.977 | 35.567A | 15.42 | 0.108 | 154.9 | 48.6 | 26.7 | 0.170 |
| 43170.0 | 50600.0 | 0.395<br>8.33 | 217.8<br>5.04 | -4.2<br>13.36 | 2.83<br>ONE | 1.406<br>29.463 | 89.9<br>290.3 | 0.946<br>-27.3 | 18.291<br>53.8 | 0.2 | 171.8 | 0.985D | 35.597A | -1.08 | 0.108 | 154.9 | 50.6 | 22.7 | 0.169 |
| 43180.0 | 50600.0 | 0.403<br>8.50 | 209.3<br>5.04 | -7.2<br>13.54 | 1.31<br>ONE | 1.405<br>29.463 | 84.9<br>290.3 | 0.947<br>-27.3 | 18.288<br>53.8 | 10.4 | 171.8 | 0.978D | 35.599A | 0.48 | 0.108 | 155.0 | 50.4 | 23.1 | 0.169 |
| 43190.0 | 50600.0 | 0.437<br>9.27 | 203.5<br>5.04 | -6.9<br>14.31 | 0.87<br>ONE | 1.403<br>29.463 | 80.0<br>290.3 | 0.948<br>-27.3 | 18.265<br>54.0 | 20.6 | 171.9 | 0.957D | 35.573A | 0.96 | 0.108 | 155.2 | 50.2 | 23.2 | 0.169 |
| 43200.0 | 50600.0 | 0.491<br>10.52 | 200.1<br>5.05 | -6.5<br>15.56 | 0.67<br>ONE | 1.402<br>29.463 | 75.0<br>290.3 | 0.949<br>-27.3 | 18.222<br>54.2 | 30.9 | 172.1 | 0.922D | 35.522A | 1.20 | 0.107 | 155.5 | 50.0 | 23.2 | 0.169 |
| 43210.0 | 50600.0 | 0.558<br>12.14 | 199.0<br>5.05 | -6.6<br>17.20 | 0.55<br>ONE | 1.400<br>29.463 | 69.9<br>290.3 | 0.952<br>-27.3 | 18.161<br>54.6 | 41.2 | 172.3 | 0.873D | 35.449A | 1.36 | 0.106 | 156.0 | 49.6 | 23.1 | 0.170 |
| 43220.0 | 50600.0 | 0.634<br>14.06 | 199.7<br>5.06 | -7.3<br>19.12 | 0.49<br>ONE | 1.398<br>29.463 | 64.9<br>290.3 | 0.955<br>-27.3 | 18.085<br>55.0 | 51.5 | 172.7 | 0.812D | 35.359A | 1.47 | 0.105 | 156.6 | 49.1 | 23.0 | 0.171 |

ARRIVAL DATE = 2450800.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 50800.0 | 0.633<br>14.04 | 228.0<br>5.01 | -19.0<br>19.05 | -0.55<br>TWO | 1.405<br>30.946 | 114.5<br>291.6 | 0.954<br>-27.1 | 17.561<br>57.5 | 309.7 | 533.3 | 0.811 | 34.311A | 2.13 | 0.097 | 154.5 | 47.7 | 22.7 | 0.166 |
| 43130.0 | 50800.0 | 0.561<br>12.22 | 229.4<br>5.01 | -19.9<br>17.22 | -0.69<br>TWO | 1.406<br>30.946 | 109.7<br>291.6 | 0.951<br>-27.1 | 17.646<br>57.0 | 319.6 | 533.0 | 0.869 | 34.423A | 2.31 | 0.099 | 154.0 | 48.2 | 22.9 | 0.166 |
| 43140.0 | 50800.0 | 0.496<br>10.64 | 228.8<br>5.00 | -20.8<br>15.64 | -0.96<br>TWO | 1.406<br>30.946 | 104.8<br>291.6 | 0.948<br>-27.1 | 17.718<br>56.6 | 329.5 | 532.8 | 0.917 | 34.518A | 2.62 | 0.100 | 153.6 | 48.6 | 23.2 | 0.165 |
| 43150.0 | 50800.0 | 0.443<br>9.41 | 225.5<br>5.00 | -22.7<br>14.41 | -1.68<br>TWO | 1.406<br>30.946 | 100.0<br>291.6 | 0.946<br>-27.1 | 17.772<br>56.3 | 339.5 | 532.6 | 0.953 | 34.592A | 3.37 | 0.101 | 153.3 | 48.9 | 23.5 | 0.165 |
| 43160.0 | 50800.0 | 0.434<br>9.20 | 213.4<br>5.00 | -39.9<br>14.20 | -7.49<br>TWO | 1.406<br>30.946 | 95.1<br>291.6 | 0.945<br>-27.1 | 17.809<br>56.2 | 349.5 | 532.4 | 0.976 | 34.643A | 9.21 | 0.101 | 153.1 | 48.4 | 25.0 | 0.165 |
| 43170.0 | 50800.0 | 0.395<br>8.33 | 218.9<br>4.99 | -3.9<br>13.42 | 3.01<br>ONE | 1.405<br>30.946 | 90.2<br>291.6 | 0.945<br>-27.1 | 17.827<br>55.9 | 359.7 | 532.4 | 0.985 | 34.669A | -1.25 | 0.101 | 153.1 | 49.6 | 22.4 | 0.164 |
| 43180.0 | 50800.0 | 0.401<br>8.46 | 210.2<br>5.00 | -7.6<br>13.46 | 1.27<br>ONE | 1.404<br>30.946 | 85.2<br>291.6 | 0.945<br>-27.1 | 17.825<br>56.0 | 9.8 | 172.4 | 0.979D | 34.672A | 0.52 | 0.101 | 153.2 | 49.5 | 22.8 | 0.164 |
| 43190.0 | 50800.0 | 0.434<br>9.20 | 204.3<br>5.00 | -7.3<br>14.20 | 0.82<br>ONE | 1.403<br>30.946 | 80.3<br>291.6 | 0.946<br>-27.1 | 17.805<br>56.1 | 20.0 | 172.5 | 0.959D | 34.651A | 1.00 | 0.101 | 153.4 | 49.3 | 22.9 | 0.165 |
| 43200.0 | 50800.0 | 0.487<br>10.42 | 200.8<br>5.00 | -6.9<br>15.42 | 0.62<br>ONE | 1.401<br>30.946 | 75.3<br>291.6 | 0.948<br>-27.1 | 17.766<br>56.3 | 30.3 | 172.7 | 0.924D | 34.608A | 1.24 | 0.101 | 153.7 | 49.0 | 22.9 | 0.165 |
| 43210.0 | 50800.0 | 0.553<br>12.02 | 199.6<br>5.01 | -6.9<br>17.03 | 0.52<br>ONE | 1.399<br>30.946 | 70.3<br>291.6 | 0.951<br>-27.1 | 17.712<br>56.7 | 40.6 | 172.9 | 0.876D | 34.547A | 1.38 | 0.100 | 154.2 | 48.7 | 22.8 | 0.166 |
| 43220.0 | 50800.0 | 0.628<br>13.91 | 200.2<br>5.02 | -7.5<br>18.93 | 0.45<br>ONE | 1.397<br>30.946 | 65.2<br>291.6 | 0.954<br>-27.1 | 17.643<br>57.1 | 50.8 | 173.2 | 0.816D | 34.470A | 1.49 | 0.099 | 154.8 | 48.2 | 22.7 | 0.167 |

ARRIVAL DATE = 2451000.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43120.0 | 51000.0 | 0.637<br>14.15 | 228.5<br>4.98 | -19.9<br>19.13 | -0.49<br>TWO | 1.404<br>29.150 | 114.8<br>292.9 | 0.953<br>-26.9 | 17.193<br>59.7 | 309.1 | 533.9 | 0.807 | 33.578A | 2.09 | 0.091 | 152.7 | 46.7 | 22.4 | 0.163 |
| 43130.0 | 51000.0 | 0.565<br>12.31 | 230.0<br>4.97 | -19.9<br>17.28 | -0.61<br>TWO | 1.405<br>29.150 | 110.0<br>292.9 | 0.950<br>-26.9 | 17.271<br>59.1 | 318.9 | 533.6 | 0.866 | 33.676A | 2.24 | 0.092 | 152.1 | 47.3 | 22.6 | 0.162 |
| 43140.0 | 51000.0 | 0.499<br>10.72 | 229.7<br>4.97 | -20.6<br>15.68 | -0.83<br>TWO | 1.406<br>29.150 | 105.1<br>292.9 | 0.947<br>-26.9 | 17.336<br>58.7 | 328.9 | 533.3 | 0.915 | 33.758A | 2.50 | 0.093 | 151.7 | 47.7 | 22.8 | 0.161 |
| 43150.0 | 51000.0 | 0.445<br>9.46 | 226.6<br>4.96 | -22.0<br>14.42 | -1.40<br>TWO | 1.406<br>29.150 | 100.3<br>292.9 | 0.945<br>-26.9 | 17.387<br>58.4 | 338.9 | 533.2 | 0.951 | 33.823A | 3.10 | 0.094 | 151.4 | 47.9 | 23.1 | 0.161 |
| 43160.0 | 51000.0 | 0.419<br>8.85 | 217.8<br>4.96 | -32.1<br>13.81 | -4.83<br>TWO | 1.406<br>29.150 | 95.4<br>292.9 | 0.944<br>-26.9 | 17.421<br>58.2 | 348.9 | 533.0 | 0.975 | 33.867A | 6.55 | 0.095 | 151.2 | 47.8 | 24.1 | 0.161 |
| 43170.0 | 51000.0 | 0.396<br>8.34 | 220.2<br>4.96 | -3.4<br>13.30 | 3.26<br>ONE | 1.405<br>29.150 | 90.5<br>292.9 | 0.944<br>-26.9 | 17.438<br>58.1 | 359.1 | 533.0 | 0.985 | 33.891A | -1.50 | 0.095 | 151.1 | 48.7 | 22.0 | 0.160 |
| 43180.0 | 51000.0 | 0.399<br>8.42 | 211.1<br>4.96 | -8.0<br>13.38 | 1.24<br>ONE | 1.404<br>29.150 | 85.5<br>292.9 | 0.944<br>-26.9 | 17.437<br>58.1 | 9.2 | 173.0 | 0.980D | 33.894A | 0.55 | 0.095 | 151.2 | 48.5 | 22.5 | 0.161 |
| 43190.0 | 51000.0 | 0.431<br>9.13 | 205.0<br>4.96 | -7.7<br>14.09 | 0.78<br>ONE | 1.403<br>29.150 | 80.6<br>292.9 | 0.945<br>-26.9 | 17.419<br>58.2 | 19.4 | 173.1 | 0.961D | 33.877A | 1.04 | 0.095 | 151.4 | 48.3 | 22.6 | 0.161 |
| 43200.0 | 51000.0 | 0.483<br>10.32 | 201.5<br>4.97 | -7.3<br>15.28 | 0.58<br>ONE | 1.401<br>29.150 | 75.6<br>292.9 | 0.947<br>-26.9 | 17.384<br>58.4 | 29.7 | 173.2 | 0.927D | 33.842A | 1.27 | 0.094 | 151.8 | 48.1 | 22.6 | 0.161 |
| 43210.0 | 51000.0 | 0.548<br>11.89 | 200.1<br>4.97 | -7.3<br>16.87 | 0.48<br>ONE | 1.399<br>29.150 | 70.6<br>292.9 | 0.949<br>-26.9 | 17.335<br>58.7 | 39.9 | 173.5 | 0.880D | 33.789A | 1.41 | 0.093 | 152.2 | 47.7 | 22.5 | 0.162 |
| 43220.0 | 51000.0 | 0.622<br>13.77 | 200.7<br>4.98 | -7.8<br>18.75 | 0.41<br>ONE | 1.397<br>29.150 | 65.6<br>292.9 | 0.952<br>-26.9 | 17.272<br>59.2 | 50.2 | 173.7 | 0.821D | 33.724A | 1.51 | 0.092 | 152.9 | 47.3 | 22.4 | 0.163 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2451200.0** | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 51200.0 | 0.642 | 229.1 | -19.0 | -0.43 | 1.404 | 115.1 | 0.952 | 16.882 | 308.4 | 534.4 | 0.803 | 32.961A | 2.04 | 0.085 | 150.6 | 45.8 | 22.1 | 0.159 |
| | | 14.27 | 4.95 | 19.22 | TWO | 31.097 | 294.2 | -26.6 | 61.8 | | | | | | | | | | |
| 43130.0 | 51200.0 | 0.569 | 230.7 | -19.8 | -0.53 | 1.405 | 110.3 | 0.949 | 16.954 | 318.3 | 534.1 | 0.863 | 33.046A | 2.17 | 0.086 | 150.0 | 46.3 | 22.3 | 0.159 |
| | | 12.42 | 4.94 | 17.36 | TWO | 31.097 | 294.2 | -26.6 | 61.3 | | | | | | | | | | |
| 43140.0 | 51200.0 | 0.503 | 230.5 | -20.5 | -0.71 | 1.405 | 105.4 | 0.946 | 17.015 | 328.2 | 533.9 | 0.912 | 33.118A | 2.39 | 0.087 | 149.6 | 46.7 | 22.5 | 0.158 |
| | | 10.80 | 4.93 | 15.73 | TWO | 31.097 | 294.2 | -26.6 | 60.8 | | | | | | | | | | |
| 43150.0 | 51200.0 | 0.448 | 227.8 | -21.5 | -1.16 | 1.405 | 100.6 | 0.944 | 17.062 | 338.3 | 533.7 | 0.949 | 33.174A | 2.86 | 0.088 | 149.3 | 47.0 | 22.8 | 0.157 |
| | | 9.51 | 4.93 | 14.44 | TWO | 31.097 | 294.2 | -26.6 | 60.5 | | | | | | | | | | |
| 43160.0 | 51200.0 | 0.414 | 220.5 | -27.7 | -3.35 | 1.405 | 95.7 | 0.943 | 17.094 | 348.3 | 533.6 | 0.974 | 33.214A | 5.08 | 0.089 | 149.1 | 47.0 | 23.5 | 0.157 |
| | | 8.74 | 4.93 | 13.67 | TWO | 31.097 | 294.2 | -26.6 | 60.3 | | | | | | | | | | |
| 43170.0 | 51200.0 | 0.397 | 221.6 | -2.5 | 3.62 | 1.405 | 90.8 | 0.942 | 17.110 | 358.4 | 533.5 | 0.984 | 33.235A | -1.86 | 0.089 | 149.0 | 47.8 | 21.6 | 0.157 |
| | | 8.37 | 4.93 | 13.30 | ONE | 31.097 | 294.2 | -26.6 | 60.2 | | | | | | | | | | |
| 43180.0 | 51200.0 | 0.398 | 212.1 | -8.5 | 1.19 | 1.404 | 85.8 | 0.943 | 17.110 | 8.6 | 173.6 | 0.981D | 33.239A | 0.60 | 0.089 | 149.1 | 47.6 | 22.3 | 0.157 |
| | | 8.38 | 4.93 | 13.31 | ONE | 31.097 | 294.2 | -26.6 | 60.2 | | | | | | | | | | |
| 43190.0 | 51200.0 | 0.428 | 205.9 | -8.2 | 0.73 | 1.402 | 80.9 | 0.944 | 17.094 | 18.8 | 173.6 | 0.962D | 33.225A | 1.09 | 0.089 | 149.3 | 47.4 | 22.4 | 0.157 |
| | | 9.06 | 4.93 | 13.99 | ONE | 31.097 | 294.2 | -26.6 | 60.3 | | | | | | | | | | |
| 43200.0 | 51200.0 | 0.478 | 202.2 | -7.7 | 0.54 | 1.401 | 75.9 | 0.946 | 17.062 | 29.0 | 173.8 | 0.930D | 33.195A | 1.31 | 0.088 | 149.6 | 47.2 | 22.3 | 0.158 |
| | | 10.22 | 4.93 | 15.15 | ONE | 31.097 | 294.2 | -26.6 | 60.5 | | | | | | | | | | |
| 43210.0 | 51200.0 | 0.543 | 200.8 | -7.6 | 0.44 | 1.399 | 70.9 | 0.948 | 17.017 | 39.2 | 174.0 | 0.884D | 33.151A | 1.44 | 0.087 | 150.1 | 46.8 | 22.3 | 0.159 |
| | | 11.77 | 4.94 | 16.71 | ONE | 31.097 | 294.2 | -26.6 | 60.8 | | | | | | | | | | |
| 43220.0 | 51200.0 | 0.616 | 201.2 | -8.1 | 0.38 | 1.397 | 65.9 | 0.951 | 16.960 | 49.5 | 174.2 | 0.825D | 33.095A | 1.53 | 0.086 | 150.8 | 46.4 | 22.1 | 0.160 |
| | | 13.62 | 4.95 | 18.57 | ONE | 31.097 | 294.2 | -26.6 | 61.2 | | | | | | | | | | |
| **ARRIVAL DATE = 2451400.0** | | | | | | | | | | | | | | | | | | | |
| 43120.0 | 51400.0 | 0.647 | 229.7 | -19.1 | -0.37 | 1.404 | 115.4 | 0.952 | 16.619 | 307.7 | 534.9 | 0.799 | 32.440A | 2.01 | 0.079 | 148.4 | 44.8 | 21.8 | 0.157 |
| | | 14.40 | 4.92 | 19.32 | TWO | 29.123 | 295.5 | -26.4 | 63.9 | | | | | | | | | | |
| 43130.0 | 51400.0 | 0.573 | 231.4 | -19.8 | -0.45 | 1.405 | 110.6 | 0.949 | 16.686 | 317.6 | 534.7 | 0.859 | 32.514A | 2.11 | 0.081 | 147.8 | 45.4 | 22.0 | 0.156 |
| | | 12.53 | 4.91 | 17.44 | TWO | 29.123 | 295.5 | -26.4 | 63.4 | | | | | | | | | | |
| 43140.0 | 51400.0 | 0.507 | 231.4 | -20.4 | -0.60 | 1.405 | 105.7 | 0.946 | 16.743 | 327.6 | 534.4 | 0.909 | 32.576A | 2.29 | 0.082 | 147.3 | 45.8 | 22.2 | 0.155 |
| | | 10.89 | 4.91 | 15.80 | TWO | 29.123 | 295.5 | -26.4 | 63.0 | | | | | | | | | | |
| 43150.0 | 51400.0 | 0.451 | 228.9 | -21.1 | -0.95 | 1.405 | 100.9 | 0.944 | 16.787 | 337.6 | 534.3 | 0.947 | 32.626A | 2.66 | 0.083 | 147.0 | 46.1 | 22.4 | 0.154 |
| | | 9.57 | 4.90 | 14.47 | TWO | 29.123 | 295.5 | -26.4 | 62.6 | | | | | | | | | | |
| 43160.0 | 51400.0 | 0.412 | 222.7 | -25.0 | -2.42 | 1.405 | 96.0 | 0.942 | 16.817 | 347.7 | 534.2 | 0.973 | 32.661A | 4.15 | 0.083 | 146.8 | 46.1 | 22.9 | 0.154 |
| | | 8.71 | 4.90 | 13.61 | TWO | 29.123 | 295.5 | -26.4 | 62.4 | | | | | | | | | | |
| 43170.0 | 51400.0 | 0.400 | 223.3 | -0.9 | 4.22 | 1.404 | 91.1 | 0.942 | 16.832 | 357.8 | 534.1 | 0.984 | 32.680A | -2.46 | 0.084 | 146.8 | 47.0 | 21.1 | 0.154 |
| | | 8.43 | 4.90 | 13.33 | ONE | 29.123 | 295.5 | -26.4 | 62.3 | | | | | | | | | | |
| 43180.0 | 51400.0 | 0.396 | 213.1 | -9.0 | 1.14 | 1.403 | 86.1 | 0.942 | 16.833 | 8.0 | 174.1 | 0.981D | 32.684A | 0.65 | 0.084 | 146.8 | 46.6 | 22.0 | 0.154 |
| | | 8.35 | 4.90 | 13.25 | ONE | 29.123 | 295.5 | -26.4 | 62.3 | | | | | | | | | | |
| 43190.0 | 51400.0 | 0.425 | 206.8 | -8.7 | 0.67 | 1.402 | 81.2 | 0.943 | 16.819 | 18.1 | 174.2 | 0.964D | 32.673A | 1.14 | 0.083 | 147.0 | 46.5 | 22.1 | 0.154 |
| | | 8.99 | 4.90 | 13.89 | ONE | 29.123 | 295.5 | -26.4 | 62.4 | | | | | | | | | | |
| 43200.0 | 51400.0 | 0.474 | 202.9 | -8.1 | 0.49 | 1.400 | 76.2 | 0.944 | 16.790 | 28.3 | 174.3 | 0.932D | 32.648A | 1.35 | 0.083 | 147.3 | 46.3 | 22.1 | 0.155 |
| | | 10.12 | 4.91 | 15.02 | ONE | 29.123 | 295.5 | -26.4 | 62.6 | | | | | | | | | | |
| 43210.0 | 51400.0 | 0.537 | 201.4 | -7.9 | 0.39 | 1.398 | 71.3 | 0.947 | 16.749 | 38.5 | 174.5 | 0.887D | 32.610A | 1.47 | 0.082 | 147.8 | 45.9 | 22.0 | 0.156 |
| | | 11.64 | 4.91 | 16.55 | ONE | 29.123 | 295.5 | -26.4 | 62.9 | | | | | | | | | | |
| 43220.0 | 51400.0 | 0.610 | 201.7 | -8.4 | 0.34 | 1.396 | 66.3 | 0.950 | 16.696 | 48.8 | 174.7 | 0.830D | 32.563A | 1.55 | 0.081 | 148.5 | 45.5 | 21.9 | 0.157 |
| | | 13.47 | 4.92 | 18.39 | ONE | 29.123 | 295.5 | -26.4 | 63.3 | | | | | | | | | | |
| **ARRIVAL DATE = 2451600.0** | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 51600.0 | 0.578 | 232.2 | -19.8 | -0.38 | 1.404 | 110.9 | 0.948 | 16.459 | 316.9 | 535.2 | 0.855 | 32.062A | 2.06 | 0.075 | 145.3 | 44.4 | 21.7 | 0.153 |
| | | 12.65 | 4.89 | 17.54 | TWO | 30.947 | 296.8 | -26.1 | 65.5 | | | | | | | | | | |
| 43140.0 | 51600.0 | 0.511 | 232.2 | -20.3 | -0.50 | 1.405 | 106.1 | 0.945 | 16.512 | 326.9 | 534.9 | 0.906 | 32.117A | 2.20 | 0.077 | 144.9 | 44.9 | 21.9 | 0.152 |
| | | 10.99 | 4.88 | 15.87 | TWO | 30.947 | 296.8 | -26.1 | 65.1 | | | | | | | | | | |
| 43150.0 | 51600.0 | 0.454 | 230.0 | -20.8 | -0.77 | 1.405 | 101.2 | 0.943 | 16.553 | 336.9 | 534.8 | 0.945 | 32.161A | 2.49 | 0.078 | 144.6 | 45.2 | 22.1 | 0.152 |
| | | 9.64 | 4.88 | 14.52 | TWO | 30.947 | 296.8 | -26.1 | 64.7 | | | | | | | | | | |
| 43160.0 | 51600.0 | 0.413 | 224.4 | -23.1 | -1.77 | 1.405 | 96.3 | 0.941 | 16.582 | 347.0 | 534.7 | 0.972 | 32.192A | 3.51 | 0.078 | 144.4 | 45.3 | 22.5 | 0.151 |
| | | 8.72 | 4.87 | 13.60 | TWO | 30.947 | 296.8 | -26.1 | 64.5 | | | | | | | | | | |
| 43170.0 | 51600.0 | 0.406 | 225.6 | 2.5 | 5.38 | 1.404 | 91.4 | 0.941 | 16.597 | 357.1 | 534.6 | 0.984 | 32.209A | -3.62 | 0.079 | 144.3 | 46.2 | 20.5 | 0.151 |
| | | 8.57 | 4.87 | 13.44 | ONE | 30.947 | 296.8 | -26.1 | 64.4 | | | | | | | | | | |
| 43180.0 | 51600.0 | 0.394 | 214.1 | -9.6 | 1.08 | 1.403 | 86.5 | 0.941 | 16.598 | 7.3 | 174.6 | 0.982D | 32.214A | 0.71 | 0.079 | 144.3 | 45.7 | 21.7 | 0.151 |
| | | 8.32 | 4.87 | 13.19 | ONE | 30.947 | 296.8 | -26.1 | 64.3 | | | | | | | | | | |
| 43190.0 | 51600.0 | 0.422 | 207.7 | -9.2 | 0.61 | 1.402 | 81.5 | 0.942 | 16.585 | 17.4 | 174.7 | 0.966D | 32.205A | 1.20 | 0.078 | 144.5 | 45.6 | 21.8 | 0.151 |
| | | 8.92 | 4.88 | 13.80 | ONE | 30.947 | 296.8 | -26.1 | 64.4 | | | | | | | | | | |
| 43200.0 | 51600.0 | 0.470 | 203.7 | -8.5 | 0.44 | 1.400 | 76.6 | 0.944 | 16.559 | 27.6 | 174.8 | 0.935D | 32.184A | 1.39 | 0.078 | 144.8 | 45.4 | 21.8 | 0.152 |
| | | 10.02 | 4.88 | 14.90 | ONE | 30.947 | 296.8 | -26.1 | 64.6 | | | | | | | | | | |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THETI | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43210.0 | 51600.0 | 0.532 | 202.0 | -8.3 | 0.35 | 1.398 | 71.6 | 0.946 | 16.521 | 37.8 | 175.0 | 0.891D | 32.152A | 1.50 | 0.077 | 145.3 | 45.1 | 21.7 | 0.153 |
| | | 11.51 | 4.89 | 16.40 | ONE | 30.947 | 296.8 | -26.1 | 64.9 | | | | | | | | | | |
| 43220.0 | 51600.0 | 0.604 | 202.3 | -8.7 | 0.30 | 1.396 | 66.7 | 0.949 | 16.473 | 48.0 | 175.2 | 0.835D | 32.111A | 1.58 | 0.076 | 146.0 | 44.7 | 21.6 | 0.154 |
| | | 13.31 | 4.90 | 18.21 | ONE | 30.947 | 296.8 | -26.1 | 65.3 | | | | | | | | | | |
| ARRIVAL DATE = 2451800.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 51800.0 | 0.583 | 232.9 | -19.8 | -0.31 | 1.404 | 111.3 | 0.948 | 16.765 | 316.2 | 535.6 | 0.851 | 31.680A | 2.01 | 0.070 | 142.6 | 43.6 | 21.4 | 0.151 |
| | | 12.78 | 4.87 | 17.65 | TWO | 29.389 | 298.1 | -25.9 | 67.6 | | | | | | | | | | |
| 43140.0 | 51800.0 | 0.515 | 233.1 | -20.2 | -0.41 | 1.404 | 106.4 | 0.945 | 16.315 | 326.2 | 535.4 | 0.903 | 31.728A | 2.12 | 0.072 | 142.2 | 44.0 | 21.6 | 0.150 |
| | | 11.09 | 4.86 | 15.96 | TWO | 29.389 | 298.1 | -25.9 | 67.1 | | | | | | | | | | |
| 43150.0 | 51800.0 | 0.457 | 231.1 | -20.6 | -0.61 | 1.405 | 101.5 | 0.942 | 16.354 | 336.2 | 535.3 | 0.943 | 31.766A | 2.34 | 0.073 | 141.9 | 44.3 | 21.7 | 0.149 |
| | | 9.72 | 4.86 | 14.57 | TWO | 29.389 | 298.1 | -25.9 | 66.8 | | | | | | | | | | |
| 43160.0 | 51800.0 | 0.414 | 226.1 | -21.9 | -1.30 | 1.404 | 96.6 | 0.941 | 16.382 | 346.3 | 535.2 | 0.970 | 31.793A | 3.04 | 0.074 | 141.7 | 44.4 | 22.0 | 0.149 |
| | | 8.75 | 4.85 | 13.60 | TWO | 29.389 | 298.1 | -25.9 | 66.6 | | | | | | | | | | |
| 43170.0 | 51800.0 | 0.430 | 229.9 | 12.1 | 8.63 | 1.404 | 91.7 | 0.940 | 16.396 | 356.4 | 535.1 | 0.984 | 31.809A | -6.87 | 0.074 | 141.6 | 45.6 | 19.2 | 0.149 |
| | | 9.10 | 4.85 | 13.96 | ONE | 29.389 | 298.1 | -25.9 | 66.5 | | | | | | | | | | |
| 43180.0 | 51800.0 | 0.393 | 215.2 | -10.2 | 1.00 | 1.403 | 86.8 | 0.940 | 16.398 | 6.6 | 175.1 | 0.983D | 31.814A | 0.78 | 0.074 | 141.7 | 44.8 | 21.4 | 0.149 |
| | | 8.28 | 4.85 | 13.14 | ONE | 29.389 | 298.1 | -25.9 | 66.4 | | | | | | | | | | |
| 43190.0 | 51800.0 | 0.419 | 208.6 | -9.8 | 0.54 | 1.401 | 81.9 | 0.941 | 16.387 | 16.7 | 175.2 | 0.968D | 31.807A | 1.26 | 0.074 | 141.8 | 44.7 | 21.6 | 0.149 |
| | | 8.85 | 4.85 | 13.71 | ONE | 29.389 | 298.1 | -25.9 | 66.5 | | | | | | | | | | |
| 43200.0 | 51800.0 | 0.465 | 204.5 | -9.0 | 0.38 | 1.400 | 76.9 | 0.943 | 16.363 | 26.9 | 175.3 | 0.938D | 31.789A | 1.44 | 0.073 | 142.1 | 44.5 | 21.5 | 0.150 |
| | | 9.92 | 4.86 | 14.77 | ONE | 29.389 | 298.1 | -25.9 | 66.7 | | | | | | | | | | |
| 43210.0 | 51800.0 | 0.527 | 202.7 | -8.7 | 0.30 | 1.398 | 72.0 | 0.945 | 16.328 | 37.1 | 175.4 | 0.895D | 31.762A | 1.54 | 0.072 | 142.6 | 44.2 | 21.5 | 0.150 |
| | | 11.38 | 4.87 | 16.25 | ONE | 29.389 | 298.1 | -25.9 | 66.9 | | | | | | | | | | |
| 43220.0 | 51800.0 | 0.598 | 202.9 | -9.0 | 0.25 | 1.396 | 67.0 | 0.948 | 16.283 | 47.3 | 175.6 | 0.840D | 31.727A | 1.60 | 0.071 | 143.2 | 43.8 | 21.3 | 0.151 |
| | | 13.16 | 4.87 | 18.04 | ONE | 29.389 | 298.1 | -25.9 | 67.3 | | | | | | | | | | |
| ARRIVAL DATE = 2452000.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 52000.0 | 0.588 | 233.6 | -19.8 | -0.25 | 1.404 | 111.6 | 0.947 | 16.101 | 315.5 | 536.1 | 0.847 | 31.356A | 1.96 | 0.066 | 139.7 | 42.7 | 21.0 | 0.149 |
| | | 12.91 | 4.85 | 17.76 | TWO | 30.540 | 299.4 | -25.6 | 69.6 | | | | | | | | | | |
| 43140.0 | 52000.0 | 0.519 | 234.0 | -20.2 | -0.32 | 1.404 | 106.8 | 0.944 | 16.148 | 325.5 | 535.9 | 0.899 | 31.397A | 2.04 | 0.067 | 139.3 | 43.1 | 21.2 | 0.148 |
| | | 11.20 | 4.84 | 16.05 | TWO | 30.540 | 299.4 | -25.6 | 69.2 | | | | | | | | | | |
| 43150.0 | 52000.0 | 0.460 | 232.2 | -20.4 | -0.47 | 1.404 | 101.9 | 0.942 | 16.186 | 335.5 | 535.8 | 0.940 | 31.431A | 2.21 | 0.068 | 139.0 | 43.4 | 21.4 | 0.147 |
| | | 9.80 | 4.84 | 14.64 | TWO | 30.540 | 299.4 | -25.6 | 68.8 | | | | | | | | | | |
| 43160.0 | 52000.0 | 0.416 | 227.6 | -21.0 | -0.93 | 1.404 | 97.0 | 0.940 | 16.212 | 345.6 | 535.7 | 0.969 | 31.455A | 2.68 | 0.069 | 138.8 | 43.6 | 21.7 | 0.147 |
| | | 8.79 | 4.83 | 13.63 | TWO | 30.540 | 299.4 | -25.6 | 68.6 | | | | | | | | | | |
| 43180.0 | 52000.0 | 0.392 | 216.3 | -10.9 | 0.91 | 1.402 | 87.2 | 0.939 | 16.229 | 5.9 | 175.6 | 0.984D | 31.474A | 0.87 | 0.070 | 138.7 | 44.0 | 21.2 | 0.147 |
| | | 8.26 | 4.83 | 13.09 | ONE | 30.540 | 299.4 | -25.6 | 68.4 | | | | | | | | | | |
| 43190.0 | 52000.0 | 0.416 | 209.6 | -10.4 | 0.47 | 1.401 | 82.2 | 0.940 | 16.219 | 16.0 | 175.6 | 0.969D | 31.468A | 1.33 | 0.069 | 138.9 | 43.9 | 21.3 | 0.147 |
| | | 8.79 | 4.83 | 13.62 | ONE | 30.540 | 299.4 | -25.6 | 68.5 | | | | | | | | | | |
| 43200.0 | 52000.0 | 0.461 | 205.4 | -9.5 | 0.32 | 1.399 | 77.3 | 0.942 | 16.197 | 26.2 | 175.7 | 0.941D | 31.454A | 1.49 | 0.069 | 139.2 | 43.7 | 21.3 | 0.147 |
| | | 9.82 | 4.84 | 14.66 | ONE | 30.540 | 299.4 | -25.6 | 68.7 | | | | | | | | | | |
| 43210.0 | 52000.0 | 0.522 | 203.5 | -9.1 | 0.25 | 1.398 | 72.4 | 0.944 | 16.165 | 36.3 | 175.9 | 0.899D | 31.431A | 1.58 | 0.068 | 139.6 | 43.4 | 21.2 | 0.148 |
| | | 11.25 | 4.85 | 16.10 | ONE | 30.540 | 299.4 | -25.6 | 68.9 | | | | | | | | | | |
| 43220.0 | 52000.0 | 0.592 | 203.5 | -9.3 | 0.21 | 1.396 | 67.4 | 0.948 | 16.123 | 46.5 | 176.0 | 0.844D | 31.402A | 1.63 | 0.067 | 140.2 | 43.0 | 21.1 | 0.149 |
| | | 13.01 | 4.86 | 17.86 | ONE | 30.540 | 299.4 | -25.6 | 69.3 | | | | | | | | | | |
| ARRIVAL DATE = 2452400.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 52400.0 | 0.600 | 235.1 | -19.9 | -0.13 | 1.403 | 112.4 | 0.947 | 15.844 | 313.9 | 536.9 | 0.837 | 30.851A | 1.87 | 0.058 | 133.0 | 41.1 | 20.5 | 0.146 |
| | | 13.19 | 4.83 | 18.02 | TWO | 29.997 | 302.0 | -25.0 | 73.6 | | | | | | | | | | |
| 43140.0 | 52400.0 | 0.529 | 235.8 | -20.2 | -0.16 | 1.404 | 107.5 | 0.944 | 15.887 | 324.0 | 536.8 | 0.892 | 30.882A | 1.91 | 0.060 | 132.6 | 41.5 | 20.6 | 0.145 |
| | | 11.44 | 4.82 | 16.26 | TWO | 29.997 | 302.0 | -25.0 | 73.2 | | | | | | | | | | |
| 43150.0 | 52400.0 | 0.468 | 234.4 | -20.1 | -0.23 | 1.404 | 102.6 | 0.941 | 15.921 | 334.0 | 536.6 | 0.935 | 30.908A | 1.99 | 0.061 | 132.4 | 41.8 | 20.8 | 0.144 |
| | | 9.98 | 4.81 | 14.79 | TWO | 29.997 | 302.0 | -25.0 | 72.9 | | | | | | | | | | |
| 43160.0 | 52400.0 | 0.421 | 230.4 | -19.9 | -0.41 | 1.404 | 97.7 | 0.939 | 15.946 | 344.1 | 536.6 | 0.966 | 30.926A | 2.18 | 0.061 | 132.2 | 42.0 | 20.9 | 0.143 |
| | | 8.90 | 4.80 | 13.71 | TWO | 29.997 | 302.0 | -25.0 | 72.6 | | | | | | | | | | |
| 43170.0 | 52400.0 | 0.396 | 222.3 | -24.7 | -2.25 | 1.403 | 92.8 | 0.938 | 15.960 | 354.2 | 536.5 | 0.982 | 30.938A | 4.02 | 0.062 | 132.2 | 41.9 | 21.6 | 0.143 |
| | | 8.35 | 4.80 | 13.15 | TWO | 29.997 | 302.0 | -25.0 | 72.5 | | | | | | | | | | |
| 43180.0 | 52400.0 | 0.390 | 218.5 | -12.6 | 0.65 | 1.402 | 87.9 | 0.938 | 15.963 | 4.4 | 176.5 | 0.985D | 30.942A | 1.13 | 0.062 | 132.2 | 42.3 | 20.7 | 0.143 |
| | | 8.21 | 4.80 | 13.01 | ONE | 29.997 | 302.0 | -25.0 | 72.4 | | | | | | | | | | |
| 43190.0 | 52400.0 | 0.410 | 211.7 | -11.8 | 0.29 | 1.401 | 83.0 | 0.939 | 15.956 | 14.5 | 176.5 | 0.973D | 30.939A | 1.50 | 0.062 | 132.3 | 42.2 | 20.8 | 0.143 |
| | | 8.67 | 4.80 | 13.47 | ONE | 29.997 | 302.0 | -25.0 | 72.5 | | | | | | | | | | |
| 43200.0 | 52400.0 | 0.453 | 207.1 | -10.6 | 0.19 | 1.399 | 78.1 | 0.941 | 15.938 | 24.7 | 176.6 | 0.946D | 30.929A | 1.60 | 0.061 | 132.6 | 42.1 | 20.8 | 0.144 |
| | | 9.62 | 4.81 | 14.43 | ONE | 29.997 | 302.0 | -25.0 | 72.6 | | | | | | | | | | |
| 43210.0 | 52400.0 | 0.511 | 205.0 | -10.0 | 0.14 | 1.397 | 73.1 | 0.943 | 15.910 | 34.8 | 176.7 | 0.906D | 30.913A | 1.66 | 0.060 | 132.9 | 41.9 | 20.7 | 0.145 |
| | | 11.00 | 4.81 | 15.81 | ONE | 29.997 | 302.0 | -25.0 | 72.9 | | | | | | | | | | |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43220.0 | 52400.0 | 0.580 | 204.8 | -10.0 | 0.12 | 1.395 | 68.2 | 0.946 | 15.873 | 44.9 | 176.8 | 0.854D | 30.892A | 1.69 | 0.059 | 133.5 | 41.6 | 20.6 | 0.146 |
| | | 12.70 | 4.82 | 17.53 | ONE | 29.997 | 302.0 | -25.0 | 73.2 | | | | | | | | | | |
| ARRIVAL DATE = 2452800.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 52800.0 | 0.612 | 236.6 | -20.0 | -0.02 | 1.403 | 113.2 | 0.947 | 15.663 | 312.3 | 537.7 | 0.828 | 30.498A | 1.79 | 0.052 | 125.1 | 39.7 | 19.9 | 0.144 |
| | | 13.50 | 4.81 | 18.30 | TWO | 29.474 | 304.5 | -24.4 | 77.4 | | | | | | | | | | |
| 43140.0 | 52800.0 | 0.540 | 237.6 | -20.2 | -0.03 | 1.404 | 108.2 | 0.944 | 15.702 | 322.4 | 537.6 | 0.884 | 30.521A | 1.80 | 0.053 | 124.9 | 40.1 | 20.1 | 0.142 |
| | | 11.70 | 4.80 | 16.50 | TWO | 29.474 | 304.5 | -24.4 | 77.0 | | | | | | | | | | |
| 43150.0 | 52800.0 | 0.477 | 236.6 | -20.0 | -0.04 | 1.404 | 103.3 | 0.941 | 15.734 | 332.5 | 537.5 | 0.929 | 30.539A | 1.81 | 0.054 | 124.7 | 40.4 | 20.2 | 0.141 |
| | | 10.19 | 4.79 | 14.97 | TWO | 29.474 | 304.5 | -24.4 | 76.7 | | | | | | | | | | |
| 43160.0 | 52800.0 | 0.427 | 233.1 | -19.3 | -0.06 | 1.403 | 98.4 | 0.939 | 15.758 | 342.6 | 537.4 | 0.962 | 30.553A | 1.83 | 0.055 | 124.7 | 40.6 | 20.3 | 0.141 |
| | | 9.04 | 4.78 | 13.82 | TWO | 29.474 | 304.5 | -24.4 | 76.5 | | | | | | | | | | |
| 43170.0 | 52800.0 | 0.396 | 227.2 | -18.4 | -0.19 | 1.403 | 93.5 | 0.938 | 15.772 | 352.7 | 537.3 | 0.981 | 30.562A | 1.96 | 0.056 | 124.6 | 40.7 | 20.4 | 0.140 |
| | | 8.35 | 4.78 | 13.13 | TWO | 29.474 | 304.5 | -24.4 | 76.3 | | | | | | | | | | |
| 43180.0 | 52800.0 | 0.388 | 220.6 | -15.2 | 0.16 | 1.402 | 88.6 | 0.938 | 15.776 | 2.8 | 177.3 | 0.985D | 30.566A | 1.62 | 0.056 | 124.7 | 40.8 | 20.3 | 0.140 |
| | | 8.18 | 4.78 | 12.96 | ONE | 29.474 | 304.5 | -24.4 | 76.3 | | | | | | | | | | |
| 43190.0 | 52800.0 | 0.405 | 213.8 | -13.4 | 0.06 | 1.400 | 83.7 | 0.938 | 15.770 | 12.9 | 177.3 | 0.976D | 30.565A | 1.72 | 0.056 | 124.8 | 40.8 | 20.4 | 0.141 |
| | | 8.55 | 4.78 | 13.33 | ONE | 29.474 | 304.5 | -24.4 | 76.3 | | | | | | | | | | |
| 43200.0 | 52800.0 | 0.445 | 209.1 | -11.8 | 0.03 | 1.399 | 78.8 | 0.940 | 15.755 | 23.1 | 177.4 | 0.952D | 30.558A | 1.74 | 0.055 | 124.9 | 40.7 | 20.3 | 0.141 |
| | | 9.43 | 4.79 | 14.22 | ONE | 29.474 | 304.5 | -24.4 | 76.4 | | | | | | | | | | |
| 43210.0 | 52800.0 | 0.500 | 206.6 | -10.9 | 0.03 | 1.397 | 73.9 | 0.942 | 15.731 | 33.2 | 177.5 | 0.914D | 30.548A | 1.75 | 0.054 | 125.2 | 40.5 | 20.2 | 0.142 |
| | | 10.74 | 4.79 | 15.54 | ONE | 29.474 | 304.5 | -24.4 | 76.6 | | | | | | | | | | |
| 43220.0 | 52800.0 | 0.568 | 206.2 | -10.8 | 0.02 | 1.395 | 69.0 | 0.945 | 15.699 | 43.3 | 177.6 | 0.864D | 30.533A | 1.76 | 0.053 | 125.6 | 40.2 | 20.1 | 0.143 |
| | | 12.40 | 4.80 | 17.20 | ONE | 29.474 | 304.5 | -24.4 | 76.9 | | | | | | | | | | |
| 43230.0 | 52800.0 | 0.643 | 207.4 | -11.3 | 0.02 | 1.393 | 64.1 | 0.949 | 15.659 | 53.3 | 177.7 | 0.802D | 30.516A | 1.76 | 0.051 | 126.1 | 39.9 | 20.0 | 0.144 |
| | | 14.30 | 4.81 | 19.11 | ONE | 29.474 | 304.5 | -24.4 | 77.2 | | | | | | | | | | |
| ARRIVAL DATE = 2453200.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 53200.0 | 0.624 | 238.1 | -20.1 | 0.08 | 1.403 | 114.0 | 0.947 | 15.540 | 310.7 | 538.4 | 0.817 | 30.262A | 1.72 | 0.047 | 116.0 | 38.5 | 19.4 | 0.142 |
| | | 13.82 | 4.79 | 18.62 | TWO | 29.123 | 307.0 | -23.7 | 81.1 | | | | | | | | | | |
| 43140.0 | 53200.0 | 0.551 | 235.4 | -20.2 | 0.10 | 1.403 | 109.0 | 0.944 | 15.576 | 320.7 | 538.3 | 0.876 | 30.277A | 1.70 | 0.048 | 116.1 | 38.8 | 19.6 | 0.141 |
| | | 11.98 | 4.78 | 16.77 | TWO | 29.123 | 307.0 | -23.7 | 80.7 | | | | | | | | | | |
| 43150.0 | 53200.0 | 0.487 | 238.8 | -20.0 | 0.13 | 1.404 | 104.1 | 0.941 | 15.606 | 330.8 | 538.2 | 0.923 | 30.290A | 1.66 | 0.050 | 116.1 | 39.1 | 19.7 | 0.140 |
| | | 10.41 | 4.77 | 15.19 | TWO | 29.123 | 307.0 | -23.7 | 80.4 | | | | | | | | | | |
| 43160.0 | 53200.0 | 0.434 | 235.8 | -19.1 | 0.20 | 1.403 | 99.2 | 0.939 | 15.629 | 340.9 | 538.2 | 0.958 | 30.300A | 1.58 | 0.050 | 116.1 | 39.4 | 19.8 | 0.139 |
| | | 9.19 | 4.77 | 13.96 | TWO | 29.123 | 307.0 | -23.7 | 80.2 | | | | | | | | | | |
| 43170.0 | 53200.0 | 0.399 | 230.6 | -16.8 | 0.48 | 1.403 | 94.3 | 0.937 | 15.643 | 351.1 | 538.1 | 0.979 | 30.306A | 1.30 | 0.051 | 116.2 | 39.5 | 19.8 | 0.139 |
| | | 8.42 | 4.77 | 13.19 | TWO | 29.123 | 307.0 | -23.7 | 80.0 | | | | | | | | | | |
| 43180.0 | 53200.0 | 0.388 | 222.0 | -20.3 | -1.09 | 1.402 | 89.4 | 0.937 | 15.648 | 1.2 | 178.1 | 0.986D | 30.309A | 2.86 | 0.051 | 116.2 | 39.4 | 20.3 | 0.139 |
| | | 8.18 | 4.76 | 12.94 | ONE | 29.123 | 307.0 | -23.7 | 79.9 | | | | | | | | | | |
| 43190.0 | 53200.0 | 0.401 | 216.1 | -15.3 | -0.26 | 1.400 | 84.5 | 0.937 | 15.644 | 11.3 | 178.1 | 0.979D | 30.309A | 2.02 | 0.051 | 116.3 | 39.5 | 20.0 | 0.139 |
| | | 8.45 | 4.77 | 13.22 | ONE | 29.123 | 307.0 | -23.7 | 80.0 | | | | | | | | | | |
| 43200.0 | 53200.0 | 0.437 | 211.1 | -13.1 | -0.15 | 1.399 | 79.6 | 0.939 | 15.631 | 21.4 | 178.1 | 0.957D | 30.305A | 1.91 | 0.051 | 116.4 | 39.4 | 19.9 | 0.139 |
| | | 9.25 | 4.77 | 14.02 | ONE | 29.123 | 307.0 | -23.7 | 80.1 | | | | | | | | | | |
| 43210.0 | 53200.0 | 0.490 | 208.3 | -11.9 | -0.11 | 1.397 | 74.7 | 0.941 | 15.610 | 31.5 | 178.2 | 0.922D | 30.299A | 1.86 | 0.050 | 116.5 | 39.3 | 19.8 | 0.140 |
| | | 10.50 | 4.78 | 15.27 | ONE | 29.123 | 307.0 | -23.7 | 80.2 | | | | | | | | | | |
| 43220.0 | 53200.0 | 0.556 | 207.7 | -11.6 | -0.09 | 1.395 | 69.8 | 0.944 | 15.581 | 41.6 | 178.3 | 0.873D | 30.289A | 1.84 | 0.049 | 116.7 | 39.0 | 19.7 | 0.141 |
| | | 12.09 | 4.78 | 16.87 | ONE | 29.123 | 307.0 | -23.7 | 80.5 | | | | | | | | | | |
| 43230.0 | 53200.0 | 0.629 | 208.7 | -11.9 | -0.07 | 1.393 | 64.9 | 0.948 | 15.546 | 51.6 | 178.4 | 0.814D | 30.278A | 1.82 | 0.047 | 117.0 | 38.8 | 19.6 | 0.142 |
| | | 13.95 | 4.80 | 18.75 | ONE | 29.123 | 307.0 | -23.7 | 80.8 | | | | | | | | | | |
| ARRIVAL DATE = 2453600.0 | | | | | | | | | | | | | | | | | | | |
| 43130.0 | 53600.0 | 0.638 | 239.7 | -20.2 | 0.17 | 1.403 | 114.8 | 0.948 | 15.462 | 308.9 | 539.1 | 0.806 | 30.118A | 1.66 | 0.043 | 106.0 | 37.4 | 19.0 | 0.141 |
| | | 14.17 | 4.79 | 18.96 | TWO | 29.048 | 309.5 | -23.0 | 84.5 | | | | | | | | | | |
| 43140.0 | 53600.0 | 0.564 | 241.2 | -20.3 | 0.21 | 1.403 | 109.9 | 0.944 | 15.496 | 319.0 | 539.0 | 0.866 | 30.126A | 1.61 | 0.045 | 106.4 | 37.8 | 19.1 | 0.140 |
| | | 12.29 | 4.78 | 17.06 | TWO | 29.048 | 309.5 | -23.0 | 84.2 | | | | | | | | | | |
| 43150.0 | 53600.0 | 0.497 | 240.9 | -20.0 | 0.27 | 1.403 | 105.0 | 0.941 | 15.525 | 329.1 | 538.9 | 0.916 | 30.134A | 1.54 | 0.046 | 106.6 | 38.1 | 19.3 | 0.139 |
| | | 10.66 | 4.77 | 15.43 | TWO | 29.048 | 309.5 | -23.0 | 83.9 | | | | | | | | | | |
| 43160.0 | 53600.0 | 0.442 | 238.4 | -19.0 | 0.40 | 1.403 | 100.0 | 0.939 | 15.546 | 339.3 | 538.9 | 0.953 | 30.140A | 1.40 | 0.047 | 106.8 | 38.3 | 19.3 | 0.138 |
| | | 9.37 | 4.76 | 14.13 | TWO | 29.048 | 309.5 | -23.0 | 83.7 | | | | | | | | | | |
| 43170.0 | 53600.0 | 0.404 | 233.7 | -16.4 | 0.81 | 1.402 | 95.1 | 0.937 | 15.560 | 349.4 | 538.8 | 0.977 | 30.144A | 0.97 | 0.048 | 107.0 | 38.5 | 19.2 | 0.138 |
| | | 8.53 | 4.76 | 13.28 | TWO | 29.048 | 309.5 | -23.0 | 83.5 | | | | | | | | | | |
| 43180.0 | 53600.0 | 0.445 | 211.9 | -50.5 | -10.51 | 1.401 | 90.2 | 0.937 | 15.566 | 359.5 | 538.8 | 0.986 | 30.146A | 12.27 | 0.048 | 107.1 | 37.0 | 22.7 | 0.139 |
| | | 9.44 | 4.77 | 14.21 | ONE | 29.048 | 309.5 | -23.0 | 83.5 | | | | | | | | | | |
| 43190.0 | 53600.0 | 0.397 | 218.3 | -17.7 | -0.71 | 1.400 | 85.3 | 0.937 | 15.564 | 9.6 | 178.8 | 0.981D | 30.146A | 2.46 | 0.048 | 107.1 | 38.4 | 19.7 | 0.138 |
| | | 8.37 | 4.76 | 13.13 | ONE | 29.048 | 309.5 | -23.0 | 83.4 | | | | | | | | | | |

1976
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43200.0 | 53600.0 | 0.429 | 213.2 | -14.6 | -0.37 | 1.398 | 80.4 | 0.938 | 15.553 | 19.7 | 178.8 | 0.962D | 30.144A | 2.12 | 0.048 | 107.2 | 38.3 | 19.6 | 0.138 |
| | | 9.08 | 4.76 | 13.84 | ONE | 29.048 | 309.5 | -23.0 | 83.5 | | | | | | | | | | |
| 43210.0 | 53600.0 | 0.480 | 210.1 | -13.1 | -0.26 | 1.397 | 75.6 | 0.940 | 15.535 | 29.8 | 178.9 | 0.929D | 30.141A | 1.99 | 0.047 | 107.1 | 38.2 | 19.5 | 0.139 |
| | | 10.25 | 4.76 | 15.02 | ONE | 29.048 | 309.5 | -23.0 | 83.7 | | | | | | | | | | |
| 43220.0 | 53600.0 | 0.543 | 209.2 | -12.5 | -0.20 | 1.395 | 70.7 | 0.943 | 15.509 | 39.8 | 178.9 | 0.883D | 30.136A | 1.92 | 0.046 | 107.1 | 38.0 | 19.4 | 0.140 |
| | | 11.79 | 4.77 | 16.56 | ONE | 29.048 | 309.5 | -23.0 | 83.9 | | | | | | | | | | |
| 43230.0 | 53600.0 | 0.616 | 210.0 | -12.6 | -0.17 | 1.393 | 65.8 | 0.947 | 15.477 | 49.8 | 179.0 | 0.826D | 30.129A | 1.88 | 0.044 | 107.0 | 37.8 | 19.2 | 0.141 |
| | | 13.60 | 4.78 | 18.39 | ONE | 29.048 | 309.5 | -23.0 | 84.1 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | APRIVAL DATE = 2445370.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2445570.0 | | | | | | | | | | |
| 43540.0 | 45570.0 | 0.621 | 238.1 | -15.5 | 1.78 | 1.614 | 96.6 | 1.559 | -1.742 | 349.2 | 486.0 | 0.975 | NA | 0.0 | 0.800 | 176.3 | 66.3 | 26.7 | 0.810 |
| | | 13.72 | 17.93 | 31.66 | ONE | 29.775 | 256.5 | -28.1 | 9.2 | | | | | | | | | | |
| 43550.0 | 45570.0 | 0.602 | 232.6 | -14.8 | 1.52 | 1.614 | 90.6 | 1.570 | -1.732 | 359.0 | 485.7 | 0.987 | NA | 0.38 | 0.802 | 176.2 | 66.4 | 26.8 | 0.812 |
| | | 13.25 | 17.98 | 31.24 | ONE | 29.775 | 256.5 | -28.1 | 9.1 | | | | | | | | | | |
| 43560.0 | 45570.0 | 0.612 | 226.3 | -13.7 | 1.36 | 1.613 | 84.4 | 1.569 | -1.725 | 9.1 | 125.7 | 0.981D | NA | 0.68 | 0.804 | 176.3 | 66.4 | 26.8 | 0.813 |
| | | 13.52 | 18.03 | 31.54 | ONE | 29.775 | 256.5 | -28.1 | 9.1 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2445770.0 | | | | | | | | | | |
| 43530.0 | 45770.0 | 0.609 | 238.8 | -14.5 | 2.27 | 1.574 | 100.5 | 1.425 | -2.249 | 342.2 | 490.4 | 0.956 | NA | -0.61 | 0.715 | 176.0 | 66.3 | 26.7 | 0.726 |
| | | 13.42 | 15.82 | 29.24 | ONE | 30.416 | 257.8 | -28.3 | 10.4 | | | | | | | | | | |
| 43540.0 | 45770.0 | 0.573 | 234.3 | -14.4 | 1.78 | 1.574 | 94.9 | 1.438 | -2.234 | 351.8 | 489.8 | 0.979 | NA | 0.0 | 0.717 | 175.9 | 66.4 | 26.7 | 0.728 |
| | | 12.51 | 15.86 | 28.38 | ONE | 30.416 | 257.8 | -28.3 | 10.3 | | | | | | | | | | |
| 43550.0 | 45770.0 | 0.561 | 228.2 | -13.5 | 1.51 | 1.574 | 89.0 | 1.444 | -2.223 | 1.7 | 129.6 | 0.987D | NA | 0.38 | 0.718 | 175.9 | 66.4 | 26.8 | 0.729 |
| | | 12.24 | 15.90 | 28.13 | ONE | 30.416 | 257.8 | -28.3 | 10.3 | | | | | | | | | | |
| 43560.0 | 45770.0 | 0.579 | 221.8 | -12.3 | 1.35 | 1.573 | 83.0 | 1.441 | -2.215 | 11.9 | 129.7 | 0.976D | NA | 0.68 | 0.719 | 175.9 | 66.4 | 26.8 | 0.730 |
| | | 12.68 | 15.93 | 28.61 | ONE | 30.416 | 257.8 | -28.3 | 10.3 | | | | | | | | | | |
| 43570.0 | 45770.0 | 0.626 | 216.3 | -11.2 | 1.25 | 1.572 | 76.7 | 1.428 | -2.210 | 22.5 | 130.3 | 0.947D | NA | 0.93 | 0.720 | 176.0 | 66.3 | 26.8 | 0.731 |
| | | 13.87 | 15.95 | 29.82 | ONE | 30.416 | 257.8 | -28.3 | 10.3 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2445970.0 | | | | | | | | | | |
| 43520.0 | 45970.0 | 0.617 | 239.1 | -12.1 | 3.34 | 1.543 | 104.3 | 1.323 | -2.878 | 335.0 | 494.6 | 0.931 | NA | -1.79 | 0.643 | 175.7 | 66.2 | 26.6 | 0.656 |
| | | 13.64 | 14.10 | 27.75 | ONE | 30.304 | 259.2 | -28.4 | 11.7 | | | | | | | | | | |
| 43530.0 | 45970.0 | 0.587 | 235.8 | -13.4 | 2.29 | 1.543 | 98.9 | 1.337 | -2.857 | 344.4 | 493.8 | 0.963 | NA | -0.63 | 0.645 | 175.6 | 66.3 | 26.7 | 0.658 |
| | | 12.97 | 14.15 | 26.52 | ONE | 30.304 | 259.2 | -28.4 | 11.6 | | | | | | | | | | |
| 43540.0 | 45970.0 | 0.537 | 230.7 | -13.2 | 1.79 | 1.543 | 93.4 | 1.346 | -2.840 | 354.1 | 493.3 | 0.982 | NA | 0.0 | 0.647 | 175.5 | 66.4 | 26.7 | 0.659 |
| | | 11.62 | 14.18 | 25.80 | ONE | 30.304 | 259.2 | -28.4 | 11.5 | | | | | | | | | | |
| 43550.0 | 45970.0 | 0.532 | 224.3 | -12.3 | 1.50 | 1.543 | 87.6 | 1.349 | -2.827 | 4.1 | 133.2 | 0.985D | NA | 0.39 | 0.648 | 175.5 | 66.4 | 26.8 | 0.660 |
| | | 11.51 | 14.21 | 25.72 | ONE | 30.304 | 259.2 | -28.4 | 11.4 | | | | | | | | | | |
| 43560.0 | 45970.0 | 0.556 | 217.9 | -11.1 | 1.33 | 1.542 | 81.7 | 1.344 | -2.819 | 14.4 | 133.5 | 0.971D | NA | 0.69 | 0.649 | 175.6 | 66.4 | 26.8 | 0.661 |
| | | 12.11 | 14.23 | 26.34 | ONE | 30.304 | 259.2 | -28.4 | 11.5 | | | | | | | | | | |
| 43570.0 | 45970.0 | 0.608 | 212.8 | -10.0 | 1.23 | 1.540 | 75.6 | 1.333 | -2.814 | 25.1 | 134.1 | 0.938D | NA | 0.94 | 0.649 | 175.7 | 66.3 | 26.8 | 0.662 |
| | | 13.41 | 14.25 | 27.66 | ONE | 30.304 | 259.2 | -28.4 | 11.5 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446170.0 | | | | | | | | | | |
| 43520.0 | 46170.0 | 0.581 | 237.0 | -10.9 | 3.45 | 1.519 | 102.9 | 1.258 | -3.636 | 336.9 | 497.6 | 0.939 | NA | -1.90 | 0.584 | 175.3 | 66.2 | 26.5 | 0.598 |
| | | 12.73 | 12.74 | 25.47 | ONE | 29.859 | 260.5 | -28.5 | 12.9 | | | | | | | | | | |
| 43530.0 | 46170.0 | 0.534 | 233.1 | -12.4 | 2.32 | 1.520 | 97.6 | 1.268 | -3.609 | 346.4 | 497.0 | 0.969 | NA | -0.66 | 0.586 | 175.2 | 66.3 | 26.7 | 0.600 |
| | | 11.57 | 12.77 | 24.34 | ONE | 29.859 | 260.5 | -28.5 | 12.7 | | | | | | | | | | |
| 43540.0 | 46170.0 | 0.509 | 227.4 | -12.2 | 1.79 | 1.519 | 92.1 | 1.274 | -3.589 | 356.2 | 496.6 | 0.984 | NA | 0.0 | 0.587 | 175.2 | 66.3 | 26.7 | 0.601 |
| | | 10.95 | 12.80 | 23.75 | ONE | 29.859 | 260.5 | -28.5 | 12.7 | | | | | | | | | | |
| 43550.0 | 46170.0 | 0.510 | 220.8 | -11.2 | 1.49 | 1.519 | 86.5 | 1.275 | -3.575 | 6.3 | 136.6 | 0.984D | NA | 0.40 | 0.588 | 175.2 | 66.4 | 26.8 | 0.602 |
| | | 10.98 | 12.82 | 23.80 | ONE | 29.859 | 260.5 | -28.5 | 12.7 | | | | | | | | | | |
| 43560.0 | 46170.0 | 0.540 | 214.5 | -9.9 | 1.32 | 1.518 | 80.7 | 1.271 | -3.567 | 16.7 | 136.9 | 0.966D | NA | 0.70 | 0.589 | 175.2 | 66.3 | 26.8 | 0.602 |
| | | 11.71 | 12.84 | 24.55 | ONE | 29.859 | 260.5 | -28.5 | 12.7 | | | | | | | | | | |
| 43570.0 | 46170.0 | 0.596 | 209.8 | -9.0 | 1.21 | 1.516 | 74.7 | 1.261 | -3.564 | 27.4 | 137.6 | 0.929D | NA | 0.94 | 0.589 | 175.3 | 66.2 | 26.8 | 0.603 |
| | | 13.10 | 12.85 | 25.95 | ONE | 29.859 | 260.5 | -28.5 | 12.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446370.0 | | | | | | | | | | |
| 43510.0 | 46370.0 | 0.626 | 239.3 | -1.2 | 8.09 | 1.500 | 106.8 | 1.196 | -4.625 | 329.2 | 501.3 | 0.908 | NA | -6.63 | 0.531 | 175.0 | 66.0 | 26.1 | 0.547 |
| | | 13.87 | 11.58 | 25.45 | ONE | 30.808 | 261.9 | -28.6 | 14.3 | | | | | | | | | | |
| 43520.0 | 46370.0 | 0.553 | 235.0 | -9.8 | 3.58 | 1.501 | 101.7 | 1.206 | -4.583 | 338.6 | 500.5 | 0.946 | NA | -2.02 | 0.533 | 174.9 | 66.1 | 26.5 | 0.549 |
| | | 12.01 | 11.61 | 23.62 | ONE | 30.808 | 261.9 | -28.6 | 14.1 | | | | | | | | | | |
| 43530.0 | 46370.0 | 0.509 | 230.6 | -11.4 | 2.35 | 1.501 | 96.5 | 1.214 | -4.551 | 348.2 | 499.9 | 0.973 | NA | -0.68 | 0.535 | 174.8 | 66.2 | 26.6 | 0.550 |
| | | 10.94 | 11.63 | 22.58 | ONE | 30.808 | 261.9 | -28.6 | 14.0 | | | | | | | | | | |
| 43540.0 | 46370.0 | 0.488 | 224.5 | -11.2 | 1.79 | 1.500 | 91.1 | 1.218 | -4.527 | 358.0 | 499.6 | 0.985 | NA | 0.0 | 0.536 | 174.8 | 66.3 | 26.7 | 0.551 |
| | | 10.45 | 11.65 | 22.10 | ONE | 30.808 | 261.9 | -28.6 | 13.9 | | | | | | | | | | |
| 43550.0 | 46370.0 | 0.494 | 217.7 | -10.1 | 1.48 | 1.499 | 85.5 | 1.218 | -4.512 | 8.2 | 139.7 | 0.981D | NA | 0.40 | 0.536 | 174.8 | 66.3 | 26.8 | 0.552 |
| | | 10.60 | 11.67 | 22.27 | ONE | 30.808 | 261.9 | -28.6 | 13.9 | | | | | | | | | | |
| 43560.0 | 46370.0 | 0.529 | 211.7 | -9.0 | 1.30 | 1.498 | 79.8 | 1.213 | -4.504 | 18.6 | 140.0 | 0.960D | NA | 0.71 | 0.537 | 174.8 | 66.2 | 26.8 | 0.552 |
| | | 11.43 | 11.68 | 23.11 | ONE | 30.808 | 261.9 | -28.6 | 14.0 | | | | | | | | | | |
| 43570.0 | 46370.0 | 0.588 | 207.3 | -8.1 | 1.19 | 1.497 | 73.9 | 1.205 | -4.502 | 29.4 | 140.7 | 0.921D | NA | 0.95 | 0.537 | 175.0 | 66.1 | 26.8 | 0.553 |
| | | 12.89 | 11.69 | 24.58 | ONE | 30.808 | 261.9 | -28.6 | 14.1 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2446570.0 | | | | | | | | | | | |
| 43510.0 | 46570.0 | 0.608 | 238.9 | 2.3 | 9.25 | 1.485 | 105.8 | 1.157 | -5.841 | 330.6 | 503.9 | 0.916 | NA | -7.78 | 0.487 | 174.5 | 65.9 | 25.9 | 0.505 |
| | | 13.42 | 10.64 | 24.05 | ONE | 29.411 | 263.2 | -28.6 | 15.6 | | | | | | | | | | |
| 43520.0 | 46570.0 | 0.529 | 233.4 | -8.6 | 3.72 | 1.485 | 100.8 | 1.164 | -5.788 | 340.0 | 503.2 | 0.952 | NA | -2.16 | 0.489 | 174.4 | 66.0 | 26.5 | 0.506 |
| | | 11.45 | 10.66 | 22.11 | ONE | 29.411 | 263.2 | -28.6 | 15.4 | | | | | | | | | | |
| 43530.0 | 46570.0 | 0.488 | 228.3 | -10.5 | 2.38 | 1.485 | 95.6 | 1.170 | -5.746 | 349.7 | 502.7 | 0.976 | NA | -0.71 | 0.490 | 174.4 | 66.1 | 26.6 | 0.507 |
| | | 10.46 | 10.68 | 21.14 | ONE | 29.411 | 263.2 | -28.6 | 15.2 | | | | | | | | | | |
| 43540.0 | 46570.0 | 0.472 | 221.9 | -10.3 | 1.79 | 1.485 | 90.2 | 1.172 | -5.718 | 359.6 | 502.4 | 0.985 | NA | 0.0 | 0.491 | 174.3 | 66.2 | 26.7 | 0.508 |
| | | 10.06 | 10.70 | 20.76 | ONE | 29.411 | 263.2 | -28.6 | 15.2 | | | | | | | | | | |
| 43550.0 | 46570.0 | 0.482 | 215.1 | -9.2 | 1.47 | 1.484 | 84.7 | 1.172 | -5.701 | 9.8 | 142.5 | 0.979D | NA | 0.41 | 0.492 | 174.4 | 66.2 | 26.7 | 0.508 |
| | | 10.32 | 10.71 | 21.03 | ONE | 29.411 | 263.2 | -28.6 | 15.2 | | | | | | | | | | |
| 43560.0 | 46570.0 | 0.520 | 209.2 | -8.1 | 1.28 | 1.483 | 79.0 | 1.168 | -5.694 | 20.3 | 142.9 | 0.956D | NA | 0.72 | 0.492 | 174.4 | 66.1 | 26.8 | 0.509 |
| | | 11.22 | 10.72 | 21.94 | ONE | 29.411 | 263.2 | -28.6 | 15.3 | | | | | | | | | | |
| 43570.0 | 46570.0 | 0.582 | 205.2 | -7.4 | 1.17 | 1.481 | 73.3 | 1.161 | -5.696 | 31.1 | 143.6 | 0.915D | NA | 0.96 | 0.492 | 174.6 | 66.0 | 26.8 | 0.509 |
| | | 12.74 | 10.73 | 23.46 | ONE | 29.411 | 263.2 | -28.6 | 15.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446770.0 | | | | | | | | | | | |
| 43510.0 | 46770.0 | 0.600 | 239.2 | 6.8 | 10.90 | 1.473 | 104.9 | 1.124 | -7.420 | 331.9 | 506.3 | 0.922 | NA | -9.42 | 0.448 | 174.1 | 65.8 | 25.7 | 0.467 |
| | | 13.21 | 9.84 | 23.06 | ONE | 31.133 | 264.6 | -28.7 | 16.9 | | | | | | | | | | |
| 43520.0 | 46770.0 | 0.511 | 231.9 | -7.4 | 3.89 | 1.473 | 99.9 | 1.130 | -7.349 | 341.3 | 505.6 | 0.956 | NA | -2.32 | 0.450 | 174.0 | 65.9 | 26.4 | 0.468 |
| | | 11.00 | 9.86 | 20.86 | ONE | 31.133 | 264.6 | -28.7 | 16.7 | | | | | | | | | | |
| 43530.0 | 46770.0 | 0.472 | 226.4 | -9.6 | 2.41 | 1.473 | 94.8 | 1.134 | -7.296 | 351.0 | 505.2 | 0.978 | NA | -0.74 | 0.451 | 173.9 | 66.0 | 26.6 | 0.469 |
| | | 10.08 | 9.88 | 19.95 | ONE | 31.133 | 264.6 | -28.7 | 16.6 | | | | | | | | | | |
| 43540.0 | 46770.0 | 0.459 | 219.7 | -9.5 | 1.79 | 1.472 | 89.5 | 1.136 | -7.260 | 1.0 | 145.0 | 0.985D | NA | 0.0 | 0.452 | 173.9 | 66.0 | 26.7 | 0.470 |
| | | 9.77 | 9.89 | 19.66 | ONE | 31.133 | 264.6 | -28.7 | 16.5 | | | | | | | | | | |
| 43550.0 | 46770.0 | 0.473 | 212.8 | -8.5 | 1.46 | 1.471 | 84.0 | 1.135 | -7.241 | 11.3 | 145.1 | 0.977D | NA | 0.42 | 0.452 | 173.9 | 66.0 | 26.7 | 0.470 |
| | | 10.10 | 9.90 | 20.00 | ONE | 31.133 | 264.6 | -28.7 | 16.5 | | | | | | | | | | |
| 43560.0 | 46770.0 | 0.514 | 207.2 | -7.4 | 1.26 | 1.470 | 78.4 | 1.131 | -7.236 | 21.8 | 145.5 | 0.951D | NA | 0.73 | 0.452 | 174.0 | 65.9 | 26.7 | 0.470 |
| | | 11.07 | 9.91 | 20.98 | ONE | 31.133 | 264.6 | -28.7 | 16.6 | | | | | | | | | | |
| 43570.0 | 46770.0 | 0.577 | 203.5 | -6.8 | 1.15 | 1.468 | 72.7 | 1.125 | -7.245 | 32.6 | 146.3 | 0.909D | NA | 0.97 | 0.452 | 174.2 | 65.8 | 26.7 | 0.471 |
| | | 12.63 | 9.91 | 22.54 | ONE | 31.133 | 264.6 | -28.7 | 16.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2446970.0 | | | | | | | | | | | |
| 43500.0 | 46970.0 | 0.633 | 225.3 | -39.9 | -9.82 | 1.462 | 109.2 | 1.091 | -9.650 | 323.4 | 509.4 | 0.882 | NA | 11.22 | 0.412 | 173.7 | 64.9 | 27.6 | 0.433 |
| | | 14.04 | 9.15 | 23.19 | TWO | 29.203 | 265.9 | -28.7 | 18.5 | | | | | | | | | | |
| 43510.0 | 46970.0 | 0.606 | 240.5 | 12.9 | 13.43 | 1.463 | 104.2 | 1.097 | -9.526 | 332.9 | 508.5 | 0.927 | NA | -11.94 | 0.414 | 173.6 | 65.7 | 25.3 | 0.434 |
| | | 13.37 | 9.17 | 22.54 | ONE | 29.203 | 265.9 | -28.7 | 18.3 | | | | | | | | | | |
| 43520.0 | 46970.0 | 0.496 | 230.7 | -6.2 | 4.08 | 1.463 | 99.2 | 1.102 | -9.428 | 342.4 | 507.9 | 0.959 | NA | -2.50 | 0.415 | 173.5 | 65.7 | 26.3 | 0.435 |
| | | 10.64 | 9.18 | 19.82 | ONE | 29.203 | 265.9 | -28.7 | 18.0 | | | | | | | | | | |
| 43530.0 | 46970.0 | 0.459 | 224.7 | -8.8 | 2.45 | 1.463 | 94.1 | 1.105 | -9.357 | 352.2 | 507.5 | 0.979 | NA | -0.77 | 0.416 | 173.4 | 65.8 | 26.5 | 0.436 |
| | | 9.77 | 9.20 | 18.97 | ONE | 29.203 | 265.9 | -28.7 | 17.9 | | | | | | | | | | |
| 43540.0 | 46970.0 | 0.449 | 217.8 | -8.7 | 1.79 | 1.462 | 88.8 | 1.106 | -9.312 | 2.2 | 147.4 | 0.985D | NA | 0.0 | 0.417 | 173.4 | 65.8 | 26.6 | 0.436 |
| | | 9.54 | 9.21 | 18.74 | ONE | 29.203 | 265.9 | -28.7 | 17.9 | | | | | | | | | | |
| 43550.0 | 46970.0 | 0.466 | 210.9 | -7.8 | 1.45 | 1.461 | 83.4 | 1.105 | -9.290 | 12.5 | 147.5 | 0.975D | NA | 0.43 | 0.417 | 173.5 | 65.8 | 26.7 | 0.437 |
| | | 9.94 | 9.21 | 19.15 | ONE | 29.203 | 265.9 | -28.7 | 17.9 | | | | | | | | | | |
| 43560.0 | 46970.0 | 0.509 | 205.5 | -6.8 | 1.25 | 1.460 | 77.9 | 1.102 | -9.290 | 23.0 | 148.0 | 0.948D | NA | 0.74 | 0.417 | 173.6 | 65.7 | 26.7 | 0.437 |
| | | 10.96 | 9.22 | 20.18 | ONE | 29.203 | 265.9 | -28.7 | 18.0 | | | | | | | | | | |
| 43570.0 | 46970.0 | 0.574 | 202.1 | -6.4 | 1.13 | 1.458 | 72.3 | 1.097 | -9.310 | 33.8 | 148.7 | 0.904D | NA | 0.98 | 0.417 | 173.7 | 65.5 | 26.7 | 0.437 |
| | | 12.54 | 9.23 | 21.76 | ONE | 29.203 | 265.9 | -28.7 | 18.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447170.0 | | | | | | | | | | | |
| 43500.0 | 47170.0 | 0.607 | 225.1 | -36.2 | -7.98 | 1.453 | 108.5 | 1.070 | -12.625 | 324.2 | 511.3 | 0.887 | NA | 9.39 | 0.381 | 173.2 | 64.7 | 27.5 | 0.404 |
| | | 13.37 | 8.58 | 21.95 | TWO | 31.178 | 267.3 | -28.8 | 19.9 | | | | | | | | | | |
| 43510.0 | 47170.0 | 0.641 | 243.9 | 21.8 | 17.75 | 1.454 | 103.6 | 1.075 | -12.443 | 333.8 | 510.6 | 0.931 | NA | -16.25 | 0.383 | 173.1 | 65.4 | 24.7 | 0.405 |
| | | 14.24 | 8.60 | 22.84 | ONE | 31.178 | 267.3 | -28.8 | 19.9 | | | | | | | | | | |
| 43520.0 | 47170.0 | 0.484 | 229.7 | -5.0 | 4.30 | 1.454 | 98.6 | 1.078 | -12.303 | 343.3 | 510.0 | 0.962 | NA | -2.72 | 0.384 | 173.0 | 65.5 | 26.3 | 0.405 |
| | | 10.36 | 8.60 | 18.96 | ONE | 31.178 | 267.3 | -28.8 | 19.4 | | | | | | | | | | |
| 43530.0 | 47170.0 | 0.449 | 223.3 | -8.1 | 2.49 | 1.454 | 93.6 | 1.080 | -12.204 | 353.2 | 509.7 | 0.980 | NA | -0.81 | 0.385 | 172.9 | 65.6 | 26.5 | 0.406 |
| | | 9.53 | 8.62 | 18.14 | ONE | 31.178 | 267.3 | -28.8 | 19.3 | | | | | | | | | | |
| 43540.0 | 47170.0 | 0.441 | 216.2 | -8.1 | 1.79 | 1.453 | 88.3 | 1.081 | -12.143 | 3.2 | 149.6 | 0.984D | NA | 0.0 | 0.385 | 172.9 | 65.6 | 26.6 | 0.407 |
| | | 9.35 | 8.62 | 17.97 | ONE | 31.178 | 267.3 | -28.8 | 19.3 | | | | | | | | | | |
| 43550.0 | 47170.0 | 0.461 | 209.4 | -7.2 | 1.43 | 1.452 | 83.0 | 1.080 | -12.119 | 13.5 | 149.7 | 0.973D | NA | 0.44 | 0.386 | 173.0 | 65.6 | 26.6 | 0.407 |
| | | 9.80 | 8.63 | 18.44 | ONE | 31.178 | 267.3 | -28.8 | 19.3 | | | | | | | | | | |
| 43560.0 | 47170.0 | 0.506 | 204.1 | -6.4 | 1.23 | 1.451 | 77.5 | 1.078 | -12.128 | 24.0 | 150.2 | 0.944D | NA | 0.75 | 0.386 | 173.1 | 65.5 | 26.7 | 0.407 |
| | | 10.87 | 8.64 | 19.50 | ONE | 31.178 | 267.3 | -28.8 | 19.4 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43570.0 | 47170.0 | 0.571 | 201.0 | -6.0 | 1.10 | 1.449 | 71.9 | 1.074 | -12.166 | 34.8 | 150.9 | 0.899D | NA | 0.99 | 0.385 | 173.3 | 65.3 | 26.6 | 0.407 |
| | | 12.46 | 8.64 | 21.10 | ONE | 31.178 | 267.3 | -28.8 | 19.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447370.0 | | | | | | | | | | | |
| 43490.0 | 47370.0 | 0.640 | 226.1 | -23.9 | -3.03 | 1.445 | 112.8 | 1.048 | -17.343 | 315.6 | 514.1 | 0.841 | NA | 4.37 | 0.352 | 172.9 | 64.3 | 26.9 | 0.377 |
| | | 14.23 | 8.06 | 22.30 | TWO | 29.295 | 268.6 | -28.8 | 21.5 | | | | | | | | | | |
| 43500.0 | 47370.0 | 0.587 | 224.9 | -33.4 | -6.64 | 1.446 | 108.0 | 1.052 | -16.990 | 324.9 | 513.2 | 0.892 | NA | 8.06 | 0.354 | 172.7 | 64.5 | 27.4 | 0.378 |
| | | 12.88 | 8.08 | 20.97 | TWO | 29.295 | 268.6 | -28.8 | 21.3 | | | | | | | | | | |
| 43520.0 | 47370.0 | 0.475 | 228.9 | -3.7 | 4.57 | 1.447 | 98.2 | 1.058 | -16.493 | 344.1 | 512.0 | 0.964 | NA | -2.98 | 0.356 | 172.5 | 65.3 | 26.2 | 0.379 |
| | | 10.14 | 8.11 | 18.24 | ONE | 29.295 | 268.6 | -28.8 | 20.8 | | | | | | | | | | |
| 43530.0 | 47370.0 | 0.440 | 222.1 | -7.5 | 2.53 | 1.447 | 93.1 | 1.060 | -16.344 | 354.0 | 511.7 | 0.981 | NA | -0.85 | 0.357 | 172.4 | 65.3 | 26.4 | 0.380 |
| | | 9.33 | 8.12 | 17.45 | ONE | 29.295 | 268.6 | -28.8 | 20.7 | | | | | | | | | | |
| 43540.0 | 47370.0 | 0.434 | 214.8 | -7.6 | 1.79 | 1.446 | 87.9 | 1.061 | -16.258 | 4.1 | 151.6 | 0.984D | NA | -0.00 | 0.357 | 172.4 | 65.3 | 26.5 | 0.380 |
| | | 9.20 | 8.12 | 17.33 | ONE | 29.295 | 268.6 | -28.8 | 20.7 | | | | | | | | | | |
| 43550.0 | 47370.0 | 0.456 | 208.0 | -6.8 | 1.42 | 1.445 | 82.6 | 1.060 | -16.230 | 14.4 | 151.8 | 0.971D | NA | 0.45 | 0.358 | 172.5 | 65.3 | 26.6 | 0.380 |
| | | 9.70 | 8.13 | 17.83 | ONE | 29.295 | 268.6 | -28.8 | 20.7 | | | | | | | | | | |
| 43560.0 | 47370.0 | 0.502 | 203.0 | -6.0 | 1.21 | 1.444 | 77.2 | 1.058 | -16.257 | 24.9 | 152.2 | 0.942D | NA | 0.76 | 0.357 | 172.6 | 65.2 | 26.6 | 0.381 |
| | | 10.79 | 8.13 | 18.92 | ONE | 29.295 | 268.6 | -28.8 | 20.8 | | | | | | | | | | |
| 43570.0 | 47370.0 | 0.568 | 200.1 | -5.7 | 1.08 | 1.442 | 71.7 | 1.055 | -16.331 | 35.6 | 152.9 | 0.896D | NA | 1.00 | 0.357 | 172.8 | 65.0 | 26.6 | 0.381 |
| | | 12.40 | 8.14 | 20.54 | ONE | 29.295 | 268.6 | -28.8 | 21.0 | | | | | | | | | | |
| 43580.0 | 47370.0 | 0.648 | 199.2 | -5.9 | 1.01 | 1.440 | 66.1 | 1.051 | -16.446 | 46.6 | 153.9 | 0.834D | NA | 1.19 | 0.356 | 173.0 | 64.7 | 26.6 | 0.381 |
| | | 14.42 | 8.14 | 22.56 | ONE | 29.295 | 268.6 | -28.8 | 21.3 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447570.0 | | | | | | | | | | | |
| 43490.0 | 47570.0 | 0.629 | 225.8 | -23.4 | -2.76 | 1.440 | 112.3 | 1.034 | -24.563 | 316.1 | 515.8 | 0.845 | NA | 4.11 | 0.327 | 172.4 | 64.0 | 26.8 | 0.354 |
| | | 13.94 | 7.64 | 21.58 | TWO | 30.925 | 270.0 | -28.8 | 23.0 | | | | | | | | | | |
| 43500.0 | 47570.0 | 0.572 | 224.8 | -31.2 | -5.64 | 1.441 | 107.6 | 1.037 | -23.944 | 325.4 | 514.9 | 0.895 | NA | 7.07 | 0.329 | 172.2 | 64.2 | 27.2 | 0.354 |
| | | 12.51 | 7.66 | 20.17 | TWO | 30.925 | 270.0 | -28.8 | 22.8 | | | | | | | | | | |
| 43520.0 | 47570.0 | 0.468 | 228.4 | -2.3 | 4.89 | 1.441 | 97.8 | 1.042 | -23.094 | 344.8 | 513.8 | 0.966 | NA | -3.29 | 0.331 | 171.9 | 64.9 | 26.0 | 0.356 |
| | | 9.97 | 7.68 | 17.65 | ONE | 30.925 | 270.0 | -28.8 | 22.3 | | | | | | | | | | |
| 43530.0 | 47570.0 | 0.433 | 221.1 | -6.9 | 2.58 | 1.441 | 92.7 | 1.043 | -22.849 | 354.6 | 513.5 | 0.982 | NA | -0.90 | 0.332 | 171.9 | 65.0 | 26.4 | 0.356 |
| | | 9.17 | 7.69 | 16.86 | ONE | 30.925 | 270.0 | -28.8 | 22.2 | | | | | | | | | | |
| 43540.0 | 47570.0 | 0.429 | 213.7 | -7.2 | 1.79 | 1.440 | 87.6 | 1.043 | -22.714 | 4.8 | 153.5 | 0.984D | NA | -0.01 | 0.332 | 171.9 | 65.0 | 26.5 | 0.356 |
| | | 9.08 | 7.69 | 16.77 | ONE | 30.925 | 270.0 | -28.8 | 22.2 | | | | | | | | | | |
| 43550.0 | 47570.0 | 0.452 | 207.0 | -6.4 | 1.41 | 1.439 | 82.3 | 1.043 | -22.683 | 15.1 | 153.7 | 0.970D | NA | 0.46 | 0.332 | 171.9 | 64.9 | 26.5 | 0.357 |
| | | 9.61 | 7.70 | 17.31 | ONE | 30.925 | 270.0 | -28.8 | 22.2 | | | | | | | | | | |
| 43560.0 | 47570.0 | 0.500 | 202.1 | -5.7 | 1.19 | 1.438 | 76.9 | 1.041 | -22.748 | 25.6 | 154.1 | 0.939D | NA | 0.77 | 0.332 | 172.1 | 64.8 | 26.5 | 0.357 |
| | | 10.72 | 7.70 | 18.42 | ONE | 30.925 | 270.0 | -28.8 | 22.3 | | | | | | | | | | |
| 43570.0 | 47570.0 | 0.566 | 199.4 | -5.4 | 1.06 | 1.436 | 71.5 | 1.039 | -22.900 | 36.3 | 154.7 | 0.893D | NA | 1.01 | 0.331 | 172.3 | 64.6 | 26.5 | 0.357 |
| | | 12.34 | 7.71 | 20.04 | ONE | 30.925 | 270.0 | -28.8 | 22.5 | | | | | | | | | | |
| 43580.0 | 47570.0 | 0.645 | 198.6 | -5.7 | 0.98 | 1.434 | 65.9 | 1.036 | -23.125 | 47.2 | 155.7 | 0.831D | NA | 1.20 | 0.331 | 172.5 | 64.3 | 26.5 | 0.357 |
| | | 14.35 | 7.71 | 22.06 | ONE | 30.925 | 270.0 | -28.8 | 22.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447770.0 | | | | | | | | | | | |
| 43490.0 | 47770.0 | 0.620 | 225.6 | -22.9 | -2.52 | 1.435 | 112.0 | 1.022 | -37.909 | 316.5 | 517.3 | 0.848 | NA | 3.89 | 0.304 | 171.8 | 63.6 | 26.7 | 0.333 |
| | | 13.70 | 7.28 | 20.98 | TWO | 29.656 | 271.3 | -28.8 | 24.6 | | | | | | | | | | |
| 43500.0 | 47770.0 | 0.561 | 224.7 | -29.4 | -4.85 | 1.435 | 107.3 | 1.025 | -36.618 | 325.9 | 516.5 | 0.898 | NA | 6.30 | 0.306 | 171.6 | 63.8 | 27.1 | 0.333 |
| | | 12.22 | 7.30 | 19.51 | TWO | 29.656 | 271.3 | -28.8 | 24.3 | | | | | | | | | | |
| 43520.0 | 47770.0 | 0.463 | 228.2 | -0.8 | 5.29 | 1.436 | 97.5 | 1.028 | -34.898 | 345.3 | 515.5 | 0.967 | NA | -3.69 | 0.308 | 171.3 | 64.6 | 25.9 | 0.334 |
| | | 9.85 | 7.31 | 17.16 | ONE | 29.656 | 271.3 | -28.8 | 23.9 | | | | | | | | | | |
| 43530.0 | 47770.0 | 0.427 | 220.3 | -6.4 | 2.63 | 1.436 | 92.4 | 1.029 | -34.422 | 355.2 | 515.2 | 0.982 | NA | -0.95 | 0.309 | 171.3 | 64.6 | 26.3 | 0.335 |
| | | 9.04 | 7.32 | 16.36 | ONE | 29.656 | 271.3 | -28.8 | 23.7 | | | | | | | | | | |
| 43540.0 | 47770.0 | 0.424 | 212.8 | -6.8 | 1.79 | 1.435 | 87.3 | 1.029 | -34.176 | 5.3 | 155.2 | 0.983D | NA | -0.01 | 0.309 | 171.3 | 64.6 | 26.4 | 0.335 |
| | | 8.98 | 7.32 | 16.30 | ONE | 29.656 | 271.3 | -28.8 | 23.7 | | | | | | | | | | |
| 43550.0 | 47770.0 | 0.449 | 206.1 | -6.1 | 1.39 | 1.434 | 82.1 | 1.028 | -34.144 | 15.6 | 155.4 | 0.968D | NA | 0.47 | 0.309 | 171.4 | 64.6 | 26.5 | 0.335 |
| | | 9.53 | 7.33 | 16.86 | ONE | 29.656 | 271.3 | -28.8 | 23.8 | | | | | | | | | | |
| 43560.0 | 47770.0 | 0.497 | 201.4 | -5.5 | 1.17 | 1.432 | 76.8 | 1.027 | -34.311 | 26.1 | 155.8 | 0.938D | NA | 0.78 | 0.309 | 171.5 | 64.4 | 26.5 | 0.335 |
| | | 10.66 | 7.33 | 17.99 | ONE | 29.656 | 271.3 | -28.8 | 23.9 | | | | | | | | | | |
| 43570.0 | 47770.0 | 0.563 | 198.8 | -5.3 | 1.03 | 1.431 | 71.3 | 1.026 | -34.660 | 36.8 | 156.4 | 0.891D | NA | 1.02 | 0.308 | 171.7 | 64.2 | 26.5 | 0.336 |
| | | 12.28 | 7.33 | 19.61 | ONE | 29.656 | 271.3 | -28.8 | 24.1 | | | | | | | | | | |
| 43580.0 | 47770.0 | 0.642 | 198.2 | -5.6 | 0.95 | 1.429 | 65.9 | 1.024 | -35.170 | 47.7 | 157.3 | 0.829D | NA | 1.21 | 0.308 | 172.0 | 63.9 | 26.4 | 0.336 |
| | | 14.28 | 7.34 | 21.62 | ONE | 29.656 | 271.3 | -28.8 | 24.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447970.0 | | | | | | | | | | | |
| 43490.0 | 47970.0 | 0.612 | 225.5 | -22.4 | -2.31 | 1.430 | 111.8 | 1.012 | -70.497 | 316.7 | 518.8 | 0.850 | NA | 3.69 | 0.284 | 171.2 | 63.1 | 26.6 | 0.314 |
| | | 13.51 | 6.97 | 20.48 | TWO | 30.448 | 272.7 | -28.8 | 26.2 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43500.0 | 47970.0 | 0.551 | 224.7 | -27.9 | -4.22 | 1.431 | 107.0 | 1.014 | -66.605 | 326.2 | 518.0 | 0.900 | NA | 5.68 | 0.285 | 171.0 | 63.4 | 27.0 | 0.314 |
| | | 11.99 | 6.98 | 18.96 | TWO | 30.448 | 272.7 | -28.8 | 25.9 | | | | | | | | | | |
| 43520.0 | 47970.0 | 0.459 | 228.2 | 1.0 | 5.81 | 1.432 | 97.2 | 1.016 | -61.719 | 345.7 | 517.1 | 0.968 | NA | -4.19 | 0.287 | 170.7 | 64.2 | 25.7 | 0.315 |
| | | 9.78 | 6.99 | 16.77 | ONE | 30.448 | 272.7 | -28.8 | 25.4 | | | | | | | | | | |
| 43530.0 | 47970.0 | 0.423 | 219.8 | -5.9 | 2.69 | 1.431 | 92.2 | 1.016 | -60.444 | 355.6 | 516.8 | 0.983 | NA | -1.00 | 0.288 | 170.7 | 64.2 | 26.2 | 0.316 |
| | | 8.94 | 7.00 | 15.93 | ONE | 30.448 | 272.7 | -28.8 | 25.3 | | | | | | | | | | |
| 43540.0 | 47970.0 | 0.421 | 212.2 | -6.5 | 1.79 | 1.431 | 87.1 | 1.016 | -59.829 | 5.7 | 156.8 | 0.9830 | NA | -0.01 | 0.288 | 170.7 | 64.2 | 26.3 | 0.316 |
| | | 8.89 | 7.00 | 15.89 | ONE | 30.448 | 272.7 | -28.8 | 25.3 | | | | | | | | | | |
| 43550.0 | 47970.0 | 0.446 | 205.5 | -5.9 | 1.38 | 1.429 | 81.9 | 1.016 | -59.816 | 16.0 | 157.0 | 0.9680 | NA | 0.48 | 0.288 | 170.8 | 64.1 | 26.4 | 0.316 |
| | | 9.46 | 7.00 | 16.47 | ONE | 30.448 | 272.7 | -28.8 | 25.4 | | | | | | | | | | |
| 43560.0 | 47970.0 | 0.494 | 200.8 | -5.3 | 1.15 | 1.428 | 76.6 | 1.016 | -60.364 | 26.5 | 157.4 | 0.9360 | NA | 0.80 | 0.288 | 170.9 | 64.0 | 26.4 | 0.316 |
| | | 10.60 | 7.01 | 17.61 | ONE | 30.448 | 272.7 | -28.8 | 25.5 | | | | | | | | | | |
| 43570.0 | 47970.0 | 0.561 | 198.4 | -5.2 | 1.01 | 1.426 | 71.3 | 1.014 | -61.442 | 37.2 | 158.0 | 0.8900 | NA | 1.03 | 0.287 | 171.1 | 63.7 | 26.4 | 0.316 |
| | | 12.21 | 7.01 | 19.22 | ONE | 30.448 | 272.7 | -28.8 | 25.7 | | | | | | | | | | |
| 43580.0 | 47970.0 | 0.639 | 197.9 | -5.6 | 0.93 | 1.424 | 65.8 | 1.013 | -63.017 | 48.0 | 158.8 | 0.8280 | NA | 1.22 | 0.287 | 171.4 | 63.4 | 26.3 | 0.317 |
| | | 14.21 | 7.02 | 21.22 | ONE | 30.448 | 272.7 | -28.8 | 26.0 | | | | | | | | | | |
| ARRIVAL DATE = 2448170.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 48170.0 | 0.606 | 225.4 | -22.0 | -2.12 | 1.427 | 111.6 | 1.003 | ******* | 316.9 | 520.1 | 0.852 | NA | 3.51 | 0.265 | 170.6 | 62.6 | 26.5 | 0.297 |
| | | 13.35 | 6.69 | 20.05 | TWO | 30.175 | 274.0 | -28.7 | 27.6 | | | | | | | | | | |
| 43500.0 | 48170.0 | 0.544 | 224.8 | -26.7 | -3.70 | 1.428 | 106.8 | 1.004 | ******* | 326.4 | 519.5 | 0.901 | NA | 5.17 | 0.266 | 170.4 | 62.9 | 26.9 | 0.297 |
| | | 11.81 | 6.70 | 18.51 | TWO | 30.175 | 274.0 | -28.7 | 27.5 | | | | | | | | | | |
| 43510.0 | 48170.0 | 0.591 | 212.1 | -58.3 | -16.45 | 1.428 | 102.0 | 1.005 | ******* | 336.0 | 518.9 | 0.941 | NA | 18.00 | 0.267 | 170.2 | 62.3 | 28.7 | 0.299 |
| | | 12.97 | 6.73 | 19.69 | TWO | 30.175 | 274.0 | -28.7 | 27.7 | | | | | | | | | | |
| 43520.0 | 48170.0 | 0.459 | 228.5 | 3.2 | 6.48 | 1.428 | 97.0 | 1.005 | ******* | 345.9 | 518.5 | 0.969 | NA | -4.86 | 0.268 | 170.1 | 63.7 | 25.5 | 0.298 |
| | | 9.76 | 6.71 | 16.47 | ONE | 30.175 | 274.0 | -28.7 | 27.1 | | | | | | | | | | |
| 43530.0 | 48170.0 | 0.419 | 219.4 | -5.4 | 2.76 | 1.428 | 92.1 | 1.006 | ******* | 355.9 | 518.3 | 0.983 | NA | -1.07 | 0.269 | 170.0 | 63.7 | 26.1 | 0.298 |
| | | 8.85 | 6.72 | 15.57 | ONE | 30.175 | 274.0 | -28.7 | 26.9 | | | | | | | | | | |
| 43540.0 | 48170.0 | 0.417 | 211.7 | -6.3 | 1.79 | 1.427 | 87.0 | 1.006 | ******* | 6.0 | 158.3 | 0.9830 | NA | -0.01 | 0.269 | 170.0 | 63.7 | 26.2 | 0.298 |
| | | 8.82 | 6.72 | 15.54 | ONE | 30.175 | 274.0 | -28.7 | 26.9 | | | | | | | | | | |
| 43550.0 | 48170.0 | 0.443 | 205.0 | -5.8 | 1.36 | 1.426 | 81.8 | 1.006 | ******* | 16.4 | 158.5 | 0.9670 | NA | 0.49 | 0.269 | 170.1 | 63.6 | 26.3 | 0.299 |
| | | 9.40 | 6.72 | 16.13 | ONE | 30.175 | 274.0 | -28.7 | 27.0 | | | | | | | | | | |
| 43560.0 | 48170.0 | 0.492 | 200.4 | -5.2 | 1.12 | 1.424 | 76.6 | 1.005 | ******* | 26.8 | 158.9 | 0.9360 | NA | 0.81 | 0.268 | 170.3 | 63.5 | 26.3 | 0.299 |
| | | 10.54 | 6.73 | 17.27 | ONE | 30.175 | 274.0 | -28.7 | 27.1 | | | | | | | | | | |
| 43570.0 | 48170.0 | 0.558 | 198.1 | -5.1 | 0.98 | 1.422 | 71.2 | 1.005 | ******* | 37.5 | 159.4 | 0.8890 | NA | 1.04 | 0.268 | 170.5 | 63.2 | 26.3 | 0.299 |
| | | 12.15 | 6.73 | 18.88 | ONE | 30.175 | 274.0 | -28.7 | 27.4 | | | | | | | | | | |
| 43580.0 | 48170.0 | 0.636 | 197.7 | -5.5 | 0.90 | 1.420 | 65.8 | 1.004 | ******* | 48.2 | 160.2 | 0.8270 | NA | 1.23 | 0.267 | 170.8 | 62.9 | 26.3 | 0.299 |
| | | 14.13 | 6.74 | 20.86 | ONE | 30.175 | 274.0 | -28.7 | 27.7 | | | | | | | | | | |
| ARRIVAL DATE = 2448370.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 48370.0 | 0.601 | 225.4 | -21.6 | -1.94 | 1.423 | 111.4 | 0.996 | 192.094 | 317.0 | 521.4 | 0.853 | 383.335A | 3.35 | 0.247 | 169.9 | 62.1 | 26.4 | 0.281 |
| | | 13.23 | 6.45 | 19.69 | TWO | 29.890 | 275.4 | -28.7 | 29.5 | | | | | | | | | | |
| 43500.0 | 48370.0 | 0.539 | 225.0 | -25.7 | -3.26 | 1.424 | 106.7 | 0.996 | 220.619 | 326.5 | 520.8 | 0.902 | 440.336A | 4.75 | 0.248 | 169.7 | 62.4 | 26.7 | 0.282 |
| | | 11.67 | 6.46 | 18.13 | TWO | 29.890 | 275.4 | -28.7 | 29.2 | | | | | | | | | | |
| 43510.0 | 48370.0 | 0.532 | 216.3 | -47.2 | -11.31 | 1.425 | 101.9 | 0.996 | 250.745 | 336.2 | 520.3 | 0.941 | 500.549A | 12.86 | 0.250 | 169.5 | 62.1 | 28.0 | 0.283 |
| | | 11.51 | 6.48 | 17.99 | TWO | 29.890 | 275.4 | -28.7 | 29.2 | | | | | | | | | | |
| 43520.0 | 48370.0 | 0.461 | 228.2 | 6.0 | 7.40 | 1.425 | 96.9 | 0.997 | 279.164 | 346.1 | 519.9 | 0.969 | 557.360A | -5.78 | 0.250 | 169.4 | 63.2 | 25.2 | 0.282 |
| | | 9.81 | 6.47 | 16.28 | ONE | 29.890 | 275.4 | -28.7 | 28.8 | | | | | | | | | | |
| 43530.0 | 48370.0 | 0.415 | 219.2 | -5.0 | 2.84 | 1.424 | 91.9 | 0.997 | 301.173 | 356.1 | 519.7 | 0.983 | 601.363A | -1.14 | 0.251 | 169.3 | 63.2 | 25.9 | 0.282 |
| | | 8.78 | 6.47 | 15.25 | ONE | 29.890 | 275.4 | -28.7 | 28.6 | | | | | | | | | | |
| 43540.0 | 48370.0 | 0.414 | 211.3 | -6.2 | 1.79 | 1.424 | 86.9 | 0.997 | 312.132 | 6.3 | 159.7 | 0.9820 | 623.281A | -0.01 | 0.251 | 169.4 | 63.2 | 26.1 | 0.283 |
| | | 8.75 | 6.48 | 15.23 | ONE | 29.890 | 275.4 | -28.7 | 28.6 | | | | | | | | | | |
| 43550.0 | 48370.0 | 0.441 | 204.7 | -5.7 | 1.34 | 1.422 | 81.7 | 0.997 | 309.726 | 16.6 | 159.9 | 0.9660 | 618.485A | 0.51 | 0.251 | 169.4 | 63.1 | 26.2 | 0.283 |
| | | 9.34 | 6.48 | 15.82 | ONE | 29.890 | 275.4 | -28.7 | 28.7 | | | | | | | | | | |
| 43560.0 | 48370.0 | 0.489 | 200.2 | -5.2 | 1.10 | 1.421 | 76.5 | 0.997 | 295.309 | 27.0 | 160.2 | 0.9350 | 589.682A | 0.83 | 0.251 | 169.6 | 62.9 | 26.2 | 0.283 |
| | | 10.48 | 6.48 | 16.96 | ONE | 29.890 | 275.4 | -28.7 | 28.8 | | | | | | | | | | |
| 43570.0 | 48370.0 | 0.555 | 197.9 | -5.1 | 0.96 | 1.419 | 71.2 | 0.997 | 272.992 | 37.6 | 160.8 | 0.8880 | 545.096A | 1.06 | 0.250 | 169.8 | 62.7 | 26.2 | 0.283 |
| | | 12.08 | 6.49 | 18.57 | ONE | 29.890 | 275.4 | -28.7 | 29.0 | | | | | | | | | | |
| 43580.0 | 48370.0 | 0.633 | 197.6 | -5.5 | 0.87 | 1.417 | 65.9 | 0.997 | 247.463 | 48.3 | 161.5 | 0.8270 | 494.099A | 1.24 | 0.249 | 170.2 | 62.3 | 26.1 | 0.284 |
| | | 14.04 | 6.49 | 20.54 | ONE | 29.890 | 275.4 | -28.7 | 29.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448570.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 48570.0 | 0.598 | 225.5 | -21.3 | -1.78 | 1.421 | 111.4 | 0.989 | 77.292 | 317.0 | 522.6 | 0.853 | 153.731A | 3.20 | 0.231 | 169.2 | 61.4 | 26.3 | 0.267 |
| | | 13.14 | 6.25 | 19.39 | TWO | 30.693 | 276.7 | -28.6 | 31.3 | | | | | | | | | | |
| 43500.0 | 48570.0 | 0.534 | 225.2 | -24.8 | -2.89 | 1.422 | 106.6 | 0.989 | 81.132 | 326.6 | 522.0 | 0.903 | 161.362A | 4.39 | 0.232 | 169.0 | 61.8 | 26.6 | 0.267 |
| | | 11.56 | 6.25 | 17.81 | TWO | 30.693 | 276.7 | -28.6 | 30.9 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 48570.0 | 0.505 | 218.6 | -40.3 | -8.42 | 1.422 | 101.8 | 0.989 | 84.518 | 336.3 | 521.5 | 0.942 | 168.094A | 9.99 | 0.233 | 168.8 | 61.7 | 27.6 | 0.268 |
| | | 10.86 | 6.26 | 17.12 | TWO | 30.693 | 276.7 | -28.6 | 30.8 | | | | | | | | | | |
| 43520.0 | 48570.0 | 0.468 | 230.5 | 9.8 | 8.76 | 1.422 | 96.8 | 0.989 | 87.215 | 346.3 | 521.2 | 0.969 | 173.461A | -7.13 | 0.234 | 168.7 | 62.7 | 24.8 | 0.268 |
| | | 9.98 | 6.26 | 16.24 | ONE | 30.693 | 276.7 | -28.6 | 30.5 | | | | | | | | | | |
| 43530.0 | 48570.0 | 0.413 | 219.1 | -4.6 | 2.93 | 1.422 | 91.9 | 0.989 | 89.021 | 356.2 | 521.0 | 0.983 | 177.059A | -1.23 | 0.235 | 168.6 | 62.6 | 25.8 | 0.268 |
| | | 8.72 | 6.26 | 14.98 | ONE | 30.693 | 276.7 | -28.6 | 30.3 | | | | | | | | | | |
| 43540.0 | 48570.0 | 0.412 | 211.2 | -6.1 | 1.79 | 1.421 | 86.8 | 0.989 | 89.806 | 6.4 | 161.0 | 0.982D | 178.631A | -0.01 | 0.235 | 168.6 | 62.6 | 26.0 | 0.268 |
| | | 8.69 | 6.26 | 14.96 | ONE | 30.693 | 276.7 | -28.6 | 30.3 | | | | | | | | | | |
| 43550.0 | 48570.0 | 0.438 | 204.5 | -5.6 | 1.32 | 1.420 | 81.7 | 0.989 | 89.542 | 16.7 | 161.2 | 0.966D | 178.119A | 0.52 | 0.235 | 168.7 | 62.5 | 26.1 | 0.268 |
| | | 9.28 | 6.27 | 15.55 | ONE | 30.693 | 276.7 | -28.6 | 30.4 | | | | | | | | | | |
| 43560.0 | 48570.0 | 0.487 | 200.0 | -5.2 | 1.08 | 1.418 | 76.5 | 0.989 | 88.307 | 27.1 | 161.5 | 0.936D | 175.679A | 0.85 | 0.234 | 168.9 | 62.3 | 26.1 | 0.269 |
| | | 10.42 | 6.27 | 16.69 | ONE | 30.693 | 276.7 | -28.6 | 30.5 | | | | | | | | | | |
| 43570.0 | 48570.0 | 0.552 | 197.8 | -5.1 | 0.93 | 1.416 | 71.3 | 0.990 | 86.271 | 37.7 | 162.0 | 0.888D | 171.653A | 1.07 | 0.234 | 169.1 | 62.1 | 26.1 | 0.269 |
| | | 12.01 | 6.27 | 18.28 | ONE | 30.693 | 276.7 | -28.6 | 30.8 | | | | | | | | | | |
| 43580.0 | 48570.0 | 0.630 | 197.5 | -5.6 | 0.84 | 1.414 | 65.9 | 0.990 | 83.658 | 48.4 | 162.7 | 0.828D | 166.488A | 1.25 | 0.233 | 169.5 | 61.7 | 26.0 | 0.269 |
| | | 13.96 | 6.28 | 20.23 | ONE | 30.693 | 276.7 | -28.6 | 31.1 | | | | | | | | | | |

ARRIVAL DATE = 2448770.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 48770.0 | 0.595 | 225.7 | -21.0 | -1.63 | 1.418 | 111.3 | 0.983 | 50.932 | 317.0 | 523.7 | 0.853 | 101.011A | 3.07 | 0.216 | 168.5 | 60.8 | 26.2 | 0.254 |
| | | 13.08 | 6.06 | 19.14 | TWO | 29.416 | 278.1 | -28.6 | 33.1 | | | | | | | | | | |
| 43500.0 | 48770.0 | 0.531 | 225.4 | -24.1 | -2.58 | 1.419 | 106.6 | 0.983 | 52.428 | 326.6 | 523.2 | 0.903 | 103.954A | 4.08 | 0.217 | 168.2 | 61.1 | 26.4 | 0.254 |
| | | 11.48 | 6.07 | 17.55 | TWO | 29.416 | 278.1 | -28.6 | 32.7 | | | | | | | | | | |
| 43510.0 | 48770.0 | 0.491 | 220.2 | -35.5 | -6.58 | 1.420 | 101.7 | 0.982 | 53.697 | 336.3 | 522.7 | 0.942 | 106.451A | 8.16 | 0.218 | 168.0 | 61.2 | 27.2 | 0.255 |
| | | 10.52 | 6.07 | 16.59 | TWO | 29.416 | 278.1 | -28.6 | 32.5 | | | | | | | | | | |
| 43520.0 | 48770.0 | 0.485 | 232.7 | 15.6 | 10.93 | 1.420 | 96.8 | 0.982 | 54.672 | 346.3 | 522.4 | 0.970 | 108.375A | -9.30 | 0.219 | 167.9 | 62.1 | 24.2 | 0.255 |
| | | 10.38 | 6.08 | 16.46 | ONE | 29.416 | 278.1 | -28.6 | 32.4 | | | | | | | | | | |
| 43530.0 | 48770.0 | 0.411 | 219.2 | -4.2 | 3.04 | 1.419 | 91.9 | 0.982 | 55.303 | 356.3 | 522.2 | 0.983 | 109.623A | -1.33 | 0.220 | 167.8 | 62.0 | 25.7 | 0.255 |
| | | 8.67 | 6.07 | 14.75 | ONE | 29.416 | 278.1 | -28.6 | 32.1 | | | | | | | | | | |
| 43540.0 | 48770.0 | 0.409 | 211.1 | -6.0 | 1.80 | 1.418 | 86.8 | 0.982 | 55.561 | 6.4 | 162.2 | 0.982D | 110.140A | -0.02 | 0.220 | 167.9 | 62.0 | 25.9 | 0.255 |
| | | 8.64 | 6.08 | 14.72 | ONE | 29.416 | 278.1 | -28.6 | 32.1 | | | | | | | | | | |
| 43550.0 | 48770.0 | 0.436 | 204.5 | -5.7 | 1.30 | 1.417 | 81.7 | 0.983 | 55.444 | 16.7 | 162.4 | 0.966D | 109.922A | 0.54 | 0.220 | 167.9 | 61.9 | 26.0 | 0.255 |
| | | 9.23 | 6.08 | 15.31 | ONE | 29.416 | 278.1 | -28.6 | 32.1 | | | | | | | | | | |
| 43560.0 | 48770.0 | 0.484 | 200.0 | -5.2 | 1.05 | 1.416 | 76.6 | 0.983 | 54.978 | 27.1 | 162.7 | 0.935D | 109.021A | 0.86 | 0.219 | 168.1 | 61.7 | 26.0 | 0.256 |
| | | 10.36 | 6.08 | 16.44 | ONE | 29.416 | 278.1 | -28.6 | 32.3 | | | | | | | | | | |
| 43570.0 | 48770.0 | 0.549 | 197.8 | -5.2 | 0.90 | 1.414 | 71.3 | 0.984 | 54.212 | 37.6 | 163.2 | 0.889D | 107.536A | 1.09 | 0.219 | 168.4 | 61.4 | 26.0 | 0.256 |
| | | 11.93 | 6.09 | 18.02 | ONE | 29.416 | 278.1 | -28.6 | 32.6 | | | | | | | | | | |
| 43580.0 | 48770.0 | 0.626 | 197.6 | -5.6 | 0.81 | 1.412 | 66.1 | 0.984 | 53.214 | 48.3 | 163.8 | 0.829D | 105.600A | 1.26 | 0.218 | 168.8 | 61.0 | 25.9 | 0.256 |
| | | 13.86 | 6.09 | 19.96 | ONE | 29.416 | 278.1 | -28.6 | 32.9 | | | | | | | | | | |

ARRIVAL DATE = 2448970.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 48970.0 | 0.593 | 225.9 | -20.8 | -1.50 | 1.416 | 111.3 | 0.978 | 39.290 | 316.9 | 524.8 | 0.853 | 77.727A | 2.95 | 0.202 | 167.7 | 60.1 | 26.0 | 0.242 |
| | | 13.03 | 5.90 | 18.94 | TWO | 31.052 | 279.4 | -28.5 | 34.9 | | | | | | | | | | |
| 43500.0 | 48970.0 | 0.529 | 225.7 | -23.4 | -2.30 | 1.417 | 106.6 | 0.977 | 40.102 | 326.5 | 524.3 | 0.903 | 79.301A | 3.82 | 0.203 | 167.4 | 60.4 | 26.3 | 0.243 |
| | | 11.43 | 5.91 | 17.33 | TWO | 31.052 | 279.4 | -28.5 | 34.5 | | | | | | | | | | |
| 43510.0 | 48970.0 | 0.482 | 221.3 | -32.2 | -5.31 | 1.418 | 101.7 | 0.977 | 40.779 | 336.2 | 523.8 | 0.942 | 80.615A | 6.89 | 0.204 | 167.2 | 60.5 | 26.9 | 0.243 |
| | | 10.32 | 5.91 | 16.22 | TWO | 31.052 | 279.4 | -28.5 | 34.3 | | | | | | | | | | |
| 43520.0 | 48970.0 | 0.528 | 237.0 | 24.9 | 14.99 | 1.418 | 96.8 | 0.977 | 41.290 | 346.3 | 523.5 | 0.970 | 81.610A | -13.34 | 0.205 | 167.1 | 61.6 | 23.2 | 0.244 |
| | | 11.42 | 5.92 | 17.34 | ONE | 31.052 | 279.4 | -28.5 | 34.3 | | | | | | | | | | |
| 43530.0 | 48970.0 | 0.409 | 219.4 | -3.8 | 3.16 | 1.417 | 91.9 | 0.976 | 41.615 | 356.2 | 523.4 | 0.983 | 82.246A | -1.45 | 0.206 | 167.0 | 61.4 | 25.5 | 0.243 |
| | | 8.64 | 5.91 | 14.55 | ONE | 31.052 | 279.4 | -28.5 | 33.9 | | | | | | | | | | |
| 43540.0 | 48970.0 | 0.407 | 211.2 | -6.0 | 1.80 | 1.416 | 86.9 | 0.976 | 41.741 | 6.4 | 163.4 | 0.982D | 82.503A | -0.02 | 0.206 | 167.0 | 61.3 | 25.7 | 0.243 |
| | | 8.59 | 5.91 | 14.51 | ONE | 31.052 | 279.4 | -28.5 | 33.9 | | | | | | | | | | |
| 43550.0 | 48970.0 | 0.433 | 204.5 | -5.7 | 1.28 | 1.415 | 81.8 | 0.977 | 41.670 | 16.6 | 163.5 | 0.966D | 82.373A | 0.55 | 0.206 | 167.1 | 61.2 | 25.8 | 0.243 |
| | | 9.17 | 5.91 | 15.09 | ONE | 31.052 | 279.4 | -28.5 | 33.9 | | | | | | | | | | |
| 43560.0 | 48970.0 | 0.481 | 200.0 | -5.3 | 1.02 | 1.414 | 76.6 | 0.977 | 41.414 | 27.0 | 163.8 | 0.935D | 81.892A | 0.88 | 0.205 | 167.3 | 61.0 | 25.9 | 0.244 |
| | | 10.29 | 5.92 | 16.21 | ONE | 31.052 | 279.4 | -28.5 | 34.1 | | | | | | | | | | |
| 43570.0 | 48970.0 | 0.546 | 197.9 | -5.3 | 0.88 | 1.412 | 71.4 | 0.978 | 40.996 | 37.5 | 164.3 | 0.890D | 81.103A | 1.11 | 0.205 | 167.6 | 60.7 | 25.8 | 0.244 |
| | | 11.85 | 5.92 | 17.78 | ONE | 31.052 | 279.4 | -28.5 | 34.4 | | | | | | | | | | |
| 43580.0 | 48970.0 | 0.622 | 197.7 | -5.7 | 0.79 | 1.410 | 66.2 | 0.979 | 40.449 | 48.1 | 164.9 | 0.830D | 80.068A | 1.28 | 0.204 | 168.0 | 60.3 | 25.8 | 0.244 |
| | | 13.77 | 5.93 | 19.69 | ONE | 31.052 | 279.4 | -28.5 | 34.7 | | | | | | | | | | |

ARRIVAL DATE = 2449170.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 49170.0 | 0.592 | 226.2 | -20.5 | -1.37 | 1.415 | 111.4 | 0.974 | 32.764 | 316.7 | 525.8 | 0.852 | 64.677A | 2.84 | 0.189 | 166.9 | 59.3 | 25.8 | 0.232 |
| | | 13.01 | 5.76 | 18.77 | TWO | 29.164 | 280.8 | -28.4 | 36.8 | | | | | | | | | | |
| 43500.0 | 49170.0 | 0.527 | 226.1 | -22.9 | -2.06 | 1.415 | 106.6 | 0.973 | 33.284 | 326.3 | 525.3 | 0.902 | 65.666A | 3.59 | 0.190 | 166.6 | 59.7 | 26.1 | 0.232 |
| | | 11.39 | 5.76 | 17.15 | TWO | 29.164 | 280.8 | -28.4 | 36.4 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43510.0 | 49170.0 | 0.477 | 222.3 | -29.7 | -4.38 | 1.416 | 101.8 | 0.972 | 33.712 | 336.1 | 524.9 | 0.942 | 66.483A | 5.97 | 0.191 | 166.3 | 59.9 | 26.6 | 0.232 |
| | | 10.19 | 5.77 | 15.96 | TWO | 29.164 | 280.8 | -28.4 | 36.1 | | | | | | | | | | |
| 43530.0 | 49170.0 | 0.408 | 219.8 | -3.4 | 3.31 | 1.415 | 91.9 | 0.971 | 34.234 | 356.1 | 524.5 | 0.983 | 67.486A | -1.60 | 0.193 | 166.1 | 60.7 | 25.3 | 0.232 |
| | | 8.61 | 5.77 | 14.38 | ONE | 29.164 | 280.8 | -28.4 | 35.7 | | | | | | | | | | |
| 43540.0 | 49170.0 | 0.405 | 211.4 | -6.0 | 1.80 | 1.414 | 86.9 | 0.971 | 34.310 | 6.2 | 164.4 | 0.982D | 67.637A | -0.02 | 0.193 | 166.2 | 60.6 | 25.6 | 0.232 |
| | | 8.55 | 5.77 | 14.32 | ONE | 29.164 | 280.8 | -28.4 | 35.7 | | | | | | | | | | |
| 43550.0 | 49170.0 | 0.431 | 204.7 | -5.9 | 1.26 | 1.413 | 81.9 | 0.972 | 34.260 | 16.5 | 164.6 | 0.967D | 67.553A | 0.57 | 0.193 | 166.3 | 60.5 | 25.7 | 0.232 |
| | | 9.12 | 5.77 | 14.89 | ONE | 29.164 | 280.8 | -28.4 | 35.8 | | | | | | | | | | |
| 43560.0 | 49170.0 | 0.478 | 200.2 | -5.4 | 1.00 | 1.412 | 76.8 | 0.973 | 34.093 | 26.9 | 164.9 | 0.936D | 67.250A | 0.90 | 0.192 | 166.4 | 60.3 | 25.7 | 0.233 |
| | | 10.22 | 5.77 | 16.00 | ONE | 29.164 | 280.8 | -28.4 | 36.0 | | | | | | | | | | |
| 43570.0 | 49170.0 | 0.543 | 198.0 | -5.4 | 0.85 | 1.410 | 71.6 | 0.974 | 33.822 | 37.4 | 165.3 | 0.891D | 66.754A | 1.12 | 0.192 | 166.7 | 60.0 | 25.7 | 0.233 |
| | | 11.77 | 5.78 | 17.55 | ONE | 29.164 | 280.8 | -28.4 | 36.2 | | | | | | | | | | |
| 43580.0 | 49170.0 | 0.618 | 197.8 | -5.9 | 0.76 | 1.408 | 66.4 | 0.975 | 33.467 | 47.9 | 165.8 | 0.832D | 66.102A | 1.29 | 0.191 | 167.1 | 59.6 | 25.6 | 0.234 |
| | | 13.67 | 5.78 | 19.45 | ONE | 29.164 | 280.8 | -28.4 | 36.6 | | | | | | | | | | |

ARRIVAL DATE = 2449370.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 49370.0 | 0.592 | 226.5 | -20.4 | -1.25 | 1.413 | 111.4 | 0.970 | 28.614 | 316.4 | 526.7 | 0.851 | 56.376A | 2.74 | 0.177 | 166.0 | 58.5 | 25.7 | 0.222 |
| | | 13.01 | 5.64 | 18.64 | TWO | 31.138 | 282.1 | -28.3 | 38.7 | | | | | | | | | | |
| 43500.0 | 49370.0 | 0.527 | 226.5 | -22.4 | -1.84 | 1.414 | 106.7 | 0.969 | 28.980 | 326.1 | 526.3 | 0.901 | 57.059A | 3.38 | 0.178 | 165.7 | 58.9 | 25.9 | 0.222 |
| | | 11.37 | 5.64 | 17.01 | TWO | 31.138 | 282.1 | -28.3 | 38.3 | | | | | | | | | | |
| 43510.0 | 49370.0 | 0.474 | 223.2 | -27.8 | -3.66 | 1.414 | 101.8 | 0.968 | 29.281 | 335.9 | 525.9 | 0.941 | 57.621A | 5.26 | 0.179 | 165.4 | 59.1 | 26.4 | 0.222 |
| | | 10.11 | 5.64 | 15.75 | TWO | 31.138 | 282.1 | -28.3 | 38.0 | | | | | | | | | | |
| 43530.0 | 49370.0 | 0.407 | 220.3 | -2.8 | 3.49 | 1.414 | 92.0 | 0.967 | 29.644 | 355.9 | 525.5 | 0.983 | 58.304A | -1.78 | 0.180 | 165.2 | 59.9 | 25.1 | 0.222 |
| | | 8.60 | 5.64 | 14.23 | ONE | 31.138 | 282.1 | -28.3 | 37.6 | | | | | | | | | | |
| 43540.0 | 49370.0 | 0.403 | 211.7 | -6.1 | 1.80 | 1.413 | 87.0 | 0.967 | 29.694 | 6.1 | 165.5 | 0.983D | 58.406A | -0.02 | 0.181 | 165.2 | 59.9 | 25.4 | 0.222 |
| | | 8.51 | 5.64 | 14.15 | ONE | 31.138 | 282.1 | -28.3 | 37.6 | | | | | | | | | | |
| 43550.0 | 49370.0 | 0.428 | 204.9 | -6.0 | 1.24 | 1.412 | 82.0 | 0.967 | 29.657 | 16.3 | 165.6 | 0.967D | 58.346A | 0.59 | 0.181 | 165.3 | 59.7 | 25.5 | 0.223 |
| | | 9.07 | 5.64 | 14.71 | ONE | 31.138 | 282.1 | -28.3 | 37.7 | | | | | | | | | | |
| 43560.0 | 49370.0 | 0.476 | 200.4 | -5.6 | 0.97 | 1.410 | 76.9 | 0.968 | 29.537 | 26.7 | 165.8 | 0.937D | 58.137A | 0.92 | 0.180 | 165.5 | 59.5 | 25.5 | 0.223 |
| | | 10.15 | 5.65 | 15.80 | ONE | 31.138 | 282.1 | -28.3 | 37.9 | | | | | | | | | | |
| 43570.0 | 49370.0 | 0.539 | 198.2 | -5.5 | 0.82 | 1.408 | 71.7 | 0.970 | 29.343 | 37.1 | 166.2 | 0.892D | 57.794A | 1.14 | 0.180 | 165.8 | 59.2 | 25.5 | 0.223 |
| | | 11.68 | 5.65 | 17.33 | ONE | 31.138 | 282.1 | -28.3 | 38.1 | | | | | | | | | | |
| 43580.0 | 49370.0 | 0.614 | 198.0 | -6.0 | 0.72 | 1.406 | 66.5 | 0.971 | 29.088 | 47.6 | 166.8 | 0.834D | 57.342A | 1.30 | 0.179 | 166.2 | 58.8 | 25.4 | 0.224 |
| | | 13.56 | 5.66 | 19.22 | ONE | 31.138 | 282.1 | -28.3 | 38.5 | | | | | | | | | | |

ARRIVAL DATE = 2449570.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 49570.0 | 0.593 | 226.8 | -20.2 | -1.15 | 1.412 | 111.5 | 0.967 | 25.757 | 316.1 | 527.6 | 0.849 | 50.665A | 2.65 | 0.166 | 165.0 | 57.7 | 25.5 | 0.213 |
| | | 13.02 | 5.53 | 18.55 | TWO | 29.209 | 283.4 | -28.1 | 40.7 | | | | | | | | | | |
| 43500.0 | 49570.0 | 0.526 | 227.0 | -22.0 | -1.65 | 1.412 | 106.8 | 0.965 | 26.034 | 325.8 | 527.2 | 0.900 | 51.167A | 3.20 | 0.167 | 164.7 | 58.1 | 25.7 | 0.213 |
| | | 11.37 | 5.53 | 16.90 | TWO | 29.209 | 283.4 | -28.1 | 40.3 | | | | | | | | | | |
| 43510.0 | 49570.0 | 0.472 | 224.1 | -26.3 | -3.10 | 1.413 | 101.9 | 0.964 | 26.259 | 335.7 | 526.8 | 0.940 | 51.578A | 4.71 | 0.168 | 164.4 | 58.3 | 26.1 | 0.213 |
| | | 10.07 | 5.53 | 15.60 | TWO | 29.209 | 283.4 | -28.1 | 40.0 | | | | | | | | | | |
| 43530.0 | 49570.0 | 0.407 | 220.9 | -2.2 | 3.72 | 1.412 | 92.1 | 0.963 | 26.530 | 355.7 | 526.4 | 0.983 | 52.077A | -2.01 | 0.169 | 164.2 | 59.1 | 24.8 | 0.213 |
| | | 8.59 | 5.53 | 14.12 | ONE | 29.209 | 283.4 | -28.1 | 39.6 | | | | | | | | | | |
| 43540.0 | 49570.0 | 0.402 | 212.1 | -6.2 | 1.80 | 1.411 | 87.1 | 0.963 | 26.567 | 5.8 | 166.4 | 0.983D | 52.151A | -0.02 | 0.169 | 164.2 | 59.1 | 25.2 | 0.213 |
| | | 8.47 | 5.53 | 14.00 | ONE | 29.209 | 283.4 | -28.1 | 39.5 | | | | | | | | | | |
| 43550.0 | 49570.0 | 0.426 | 205.3 | -6.2 | 1.21 | 1.410 | 82.1 | 0.964 | 26.538 | 16.1 | 166.5 | 0.968D | 52.108A | 0.61 | 0.169 | 164.3 | 58.9 | 25.4 | 0.213 |
| | | 9.01 | 5.53 | 14.54 | ONE | 29.209 | 283.4 | -28.1 | 39.6 | | | | | | | | | | |
| 43560.0 | 49570.0 | 0.473 | 200.7 | -5.8 | 0.94 | 1.409 | 77.0 | 0.965 | 26.446 | 26.4 | 166.8 | 0.938D | 51.954A | 0.95 | 0.169 | 164.5 | 58.7 | 25.4 | 0.214 |
| | | 10.08 | 5.53 | 15.62 | ONE | 29.209 | 283.4 | -28.1 | 39.8 | | | | | | | | | | |
| 43570.0 | 49570.0 | 0.535 | 198.5 | -5.7 | 0.79 | 1.407 | 71.9 | 0.966 | 26.298 | 36.8 | 167.1 | 0.894D | 51.703A | 1.16 | 0.168 | 164.8 | 58.4 | 25.3 | 0.214 |
| | | 11.59 | 5.54 | 17.13 | ONE | 29.209 | 283.4 | -28.1 | 40.1 | | | | | | | | | | |
| 43580.0 | 49570.0 | 0.610 | 198.3 | -6.2 | 0.69 | 1.405 | 66.8 | 0.968 | 26.103 | 47.3 | 167.6 | 0.836D | 51.371A | 1.32 | 0.167 | 165.3 | 58.0 | 25.3 | 0.215 |
| | | 13.45 | 5.55 | 19.00 | ONE | 29.209 | 283.4 | -28.1 | 40.5 | | | | | | | | | | |

ARRIVAL DATE = 2449770.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 49770.0 | 0.594 | 227.2 | -20.1 | -1.04 | 1.410 | 111.7 | 0.964 | 23.684 | 315.8 | 528.5 | 0.848 | 46.520A | 2.56 | 0.155 | 164.0 | 56.8 | 25.3 | 0.205 |
| | | 13.04 | 5.43 | 18.48 | TWO | 30.924 | 284.8 | -28.0 | 42.7 | | | | | | | | | | |
| 43500.0 | 49770.0 | 0.527 | 227.5 | -21.6 | -1.47 | 1.411 | 106.9 | 0.962 | 23.902 | 325.5 | 528.0 | 0.899 | 46.906A | 3.04 | 0.157 | 163.7 | 57.2 | 25.5 | 0.205 |
| | | 11.39 | 5.43 | 16.82 | TWO | 30.924 | 284.8 | -28.0 | 42.3 | | | | | | | | | | |
| 43510.0 | 49770.0 | 0.471 | 224.9 | -25.1 | -2.64 | 1.412 | 102.1 | 0.961 | 24.080 | 335.4 | 527.7 | 0.939 | 47.221A | 4.26 | 0.158 | 163.4 | 57.5 | 25.8 | 0.205 |
| | | 10.05 | 5.43 | 15.48 | TWO | 30.924 | 284.8 | -28.0 | 42.0 | | | | | | | | | | |
| 43520.0 | 49770.0 | 0.524 | 205.7 | -57.8 | -14.84 | 1.412 | 97.2 | 0.960 | 24.212 | 345.2 | 527.4 | 0.968 | 47.456A | 16.52 | 0.158 | 163.2 | 56.6 | 28.4 | 0.206 |
| | | 11.31 | 5.45 | 16.76 | TWO | 30.924 | 284.8 | -28.0 | 42.2 | | | | | | | | | | |
| 43530.0 | 49770.0 | 0.407 | 221.7 | -1.4 | 4.02 | 1.411 | 92.3 | 0.960 | 24.293 | 355.4 | 527.3 | 0.983 | 47.603A | -2.30 | 0.159 | 163.1 | 58.3 | 24.5 | 0.205 |
| | | 8.60 | 5.43 | 14.03 | ONE | 30.924 | 284.8 | -28.0 | 41.6 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43540.0 | 49770.0 | 0.400 | 212.6 | -6.4 | 1.80 | 1.410 | 87.3 | 0.960 | 24.322 | 5.5 | 167.3 | 0.983D | 47.660A | -0.03 | 0.159 | 163.1 | 58.2 | 25.0 | 0.205 |
| | | 8.44 | 5.43 | 13.87 | ONE | 30.924 | 284.8 | -28.0 | 41.5 | | | | | | | | | | |
| 43550.0 | 49770.0 | 0.424 | 205.7 | -6.4 | 1.19 | 1.409 | 82.3 | 0.960 | 24.298 | 15.8 | 167.4 | 0.969D | 47.627A | 0.64 | 0.159 | 163.3 | 58.1 | 25.2 | 0.205 |
| | | 8.96 | 5.43 | 14.39 | ONE | 30.924 | 284.8 | -28.0 | 41.6 | | | | | | | | | | |
| 43560.0 | 49770.0 | 0.469 | 201.1 | -6.0 | 0.91 | 1.408 | 77.2 | 0.961 | 24.225 | 26.1 | 167.6 | 0.940D | 47.510A | 0.97 | 0.158 | 163.5 | 57.9 | 25.2 | 0.205 |
| | | 10.01 | 5.44 | 15.44 | ONE | 30.924 | 284.8 | -28.0 | 41.8 | | | | | | | | | | |
| 43570.0 | 49770.0 | 0.532 | 198.8 | -5.9 | 0.75 | 1.406 | 72.1 | 0.963 | 24.107 | 36.5 | 168.0 | 0.896D | 47.319A | 1.18 | 0.158 | 163.8 | 57.6 | 25.2 | 0.206 |
| | | 11.50 | 5.44 | 16.94 | ONE | 30.924 | 284.8 | -28.0 | 42.1 | | | | | | | | | | |
| 43580.0 | 49770.0 | 0.605 | 198.5 | -6.3 | 0.66 | 1.404 | 67.0 | 0.965 | 23.952 | 46.9 | 168.4 | 0.839D | 47.064A | 1.34 | 0.157 | 164.2 | 57.2 | 25.1 | 0.206 |
| | | 13.34 | 5.45 | 18.79 | ONE | 30.924 | 284.8 | -28.0 | 42.4 | | | | | | | | | | |
| ARRIVAL DATE = 2449970.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 49970.0 | 0.595 | 227.7 | -19.9 | -0.95 | 1.409 | 111.8 | 0.962 | 22.120 | 315.4 | 529.3 | 0.845 | 43.395A | 2.48 | 0.145 | 162.9 | 55.9 | 25.0 | 0.198 |
| | | 13.08 | 5.35 | 18.43 | TWO | 29.534 | 286.1 | -27.8 | 44.7 | | | | | | | | | | |
| 43500.0 | 49970.0 | 0.528 | 228.0 | -21.4 | -1.32 | 1.410 | 107.1 | 0.960 | 22.299 | 325.2 | 528.9 | 0.897 | 43.701A | 2.90 | 0.147 | 162.5 | 56.3 | 25.3 | 0.198 |
| | | 11.41 | 5.34 | 16.76 | TWO | 29.534 | 286.1 | -27.8 | 44.3 | | | | | | | | | | |
| 43510.0 | 49970.0 | 0.471 | 225.7 | -24.2 | -2.26 | 1.410 | 102.2 | 0.958 | 22.444 | 335.0 | 528.5 | 0.938 | 43.951A | 3.89 | 0.148 | 162.3 | 56.6 | 25.6 | 0.197 |
| | | 10.05 | 5.34 | 15.39 | TWO | 29.534 | 286.1 | -27.8 | 44.0 | | | | | | | | | | |
| 43520.0 | 49970.0 | 0.464 | 214.2 | -43.9 | -9.07 | 1.410 | 97.4 | 0.957 | 22.552 | 344.9 | 528.3 | 0.967 | 44.137A | 10.75 | 0.148 | 162.1 | 56.3 | 27.1 | 0.198 |
| | | 9.88 | 5.35 | 15.23 | TWO | 29.534 | 286.1 | -27.8 | 43.9 | | | | | | | | | | |
| 43530.0 | 49970.0 | 0.409 | 222.7 | -0.3 | 4.42 | 1.410 | 92.4 | 0.957 | 22.618 | 355.1 | 528.2 | 0.982 | 44.254A | -2.69 | 0.149 | 162.0 | 57.5 | 24.2 | 0.197 |
| | | 8.63 | 5.34 | 13.97 | ONE | 29.534 | 286.1 | -27.8 | 43.6 | | | | | | | | | | |
| 43540.0 | 49970.0 | 0.396 | 213.1 | -6.6 | 1.81 | 1.409 | 87.5 | 0.957 | 22.641 | 5.2 | 168.1 | 0.983D | 44.299A | -0.03 | 0.149 | 162.0 | 57.4 | 24.8 | 0.197 |
| | | 8.40 | 5.34 | 13.75 | ONE | 29.534 | 286.1 | -27.8 | 43.5 | | | | | | | | | | |
| 43550.0 | 49970.0 | 0.421 | 206.2 | -6.7 | 1.16 | 1.408 | 82.5 | 0.957 | 22.622 | 15.4 | 168.2 | 0.970D | 44.275A | 0.66 | 0.149 | 162.1 | 57.2 | 25.0 | 0.198 |
| | | 8.90 | 5.34 | 14.25 | ONE | 29.534 | 286.1 | -27.8 | 43.6 | | | | | | | | | | |
| 43560.0 | 49970.0 | 0.466 | 201.5 | -6.3 | 0.87 | 1.406 | 77.4 | 0.958 | 22.562 | 25.7 | 168.4 | 0.941D | 44.183A | 1.00 | 0.148 | 162.3 | 57.0 | 25.0 | 0.198 |
| | | 9.93 | 5.35 | 15.28 | ONE | 29.534 | 286.1 | -27.8 | 43.8 | | | | | | | | | | |
| 43570.0 | 49970.0 | 0.528 | 199.2 | -6.1 | 0.72 | 1.405 | 72.3 | 0.960 | 22.465 | 36.1 | 168.8 | 0.898D | 44.033A | 1.20 | 0.148 | 162.7 | 56.7 | 25.0 | 0.198 |
| | | 11.40 | 5.35 | 16.76 | ONE | 29.534 | 286.1 | -27.8 | 44.0 | | | | | | | | | | |
| 43580.0 | 49970.0 | 0.601 | 198.9 | -6.5 | 0.63 | 1.403 | 67.2 | 0.962 | 22.337 | 46.5 | 169.2 | 0.842D | 43.832A | 1.35 | 0.147 | 163.1 | 56.3 | 24.9 | 0.199 |
| | | 13.22 | 5.36 | 18.58 | ONE | 29.534 | 286.1 | -27.8 | 44.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450170.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 50170.0 | 0.597 | 228.1 | -19.9 | -0.86 | 1.408 | 112.0 | 0.960 | 20.907 | 315.0 | 530.0 | 0.843 | 40.970A | 2.41 | 0.136 | 161.7 | 55.0 | 24.8 | 0.191 |
| | | 13.14 | 5.27 | 18.41 | TWO | 30.473 | 287.4 | -27.7 | 46.8 | | | | | | | | | | |
| 43500.0 | 50170.0 | 0.530 | 228.6 | -21.1 | -1.17 | 1.409 | 107.2 | 0.957 | 21.057 | 324.7 | 529.6 | 0.895 | 41.218A | 2.77 | 0.137 | 161.4 | 55.4 | 25.0 | 0.191 |
| | | 11.45 | 5.27 | 16.72 | TWO | 30.473 | 287.4 | -27.7 | 46.4 | | | | | | | | | | |
| 43510.0 | 50170.0 | 0.472 | 226.5 | -23.4 | -1.95 | 1.410 | 102.4 | 0.956 | 21.179 | 334.6 | 529.3 | 0.937 | 41.421A | 3.59 | 0.138 | 161.1 | 55.7 | 25.3 | 0.191 |
| | | 10.06 | 5.27 | 15.33 | TWO | 30.473 | 287.4 | -27.7 | 46.0 | | | | | | | | | | |
| 43520.0 | 50170.0 | 0.444 | 218.1 | -36.2 | -6.26 | 1.409 | 97.5 | 0.955 | 21.270 | 344.6 | 529.1 | 0.966 | 41.573A | 7.94 | 0.139 | 160.9 | 55.6 | 26.4 | 0.191 |
| | | 9.42 | 5.27 | 14.68 | TWO | 30.473 | 287.4 | -27.7 | 45.9 | | | | | | | | | | |
| 43530.0 | 50170.0 | 0.411 | 223.9 | 1.3 | 4.98 | 1.409 | 92.6 | 0.954 | 21.325 | 354.7 | 529.0 | 0.982 | 41.669A | -3.25 | 0.140 | 160.8 | 56.6 | 23.8 | 0.190 |
| | | 8.68 | 5.26 | 13.94 | ONE | 30.473 | 287.4 | -27.7 | 45.6 | | | | | | | | | | |
| 43540.0 | 50170.0 | 0.397 | 213.8 | -6.8 | 1.81 | 1.408 | 87.7 | 0.954 | 21.345 | 4.8 | 169.0 | 0.984D | 41.707A | -0.03 | 0.140 | 160.8 | 56.5 | 24.6 | 0.190 |
| | | 8.37 | 5.26 | 13.64 | ONE | 30.473 | 287.4 | -27.7 | 45.5 | | | | | | | | | | |
| 43550.0 | 50170.0 | 0.419 | 206.7 | -7.0 | 1.13 | 1.407 | 82.7 | 0.955 | 21.329 | 15.0 | 169.0 | 0.970D | 41.688A | 0.69 | 0.140 | 160.9 | 56.3 | 24.8 | 0.191 |
| | | 8.85 | 5.27 | 14.12 | ONE | 30.473 | 287.4 | -27.7 | 45.6 | | | | | | | | | | |
| 43560.0 | 50170.0 | 0.463 | 201.9 | -6.5 | 0.84 | 1.406 | 77.6 | 0.956 | 21.279 | 25.3 | 169.2 | 0.943D | 41.615A | 1.03 | 0.139 | 161.1 | 56.1 | 24.8 | 0.191 |
| | | 9.86 | 5.27 | 15.13 | ONE | 30.473 | 287.4 | -27.7 | 45.8 | | | | | | | | | | |
| 43570.0 | 50170.0 | 0.524 | 199.6 | -6.4 | 0.69 | 1.404 | 72.6 | 0.958 | 21.197 | 35.6 | 169.5 | 0.900D | 41.494A | 1.23 | 0.138 | 161.5 | 55.8 | 24.7 | 0.191 |
| | | 11.31 | 5.28 | 16.58 | ONE | 30.473 | 287.4 | -27.7 | 46.1 | | | | | | | | | | |
| 43580.0 | 50170.0 | 0.596 | 199.2 | -6.7 | 0.59 | 1.402 | 67.5 | 0.960 | 21.089 | 46.0 | 169.9 | 0.845D | 41.333A | 1.37 | 0.138 | 161.9 | 55.4 | 24.7 | 0.192 |
| | | 13.10 | 5.28 | 18.39 | ONE | 30.473 | 287.4 | -27.7 | 46.5 | | | | | | | | | | |
| ARRIVAL DATE = 2450370.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 50370.0 | 0.600 | 228.6 | -19.8 | -0.78 | 1.408 | 112.7 | 0.958 | 19.944 | 314.5 | 530.7 | 0.840 | 39.047A | 2.34 | 0.127 | 160.5 | 54.0 | 24.5 | 0.185 |
| | | 13.20 | 5.21 | 18.41 | TWO | 30.039 | 288.8 | -27.5 | 48.9 | | | | | | | | | | |
| 43500.0 | 50370.0 | 0.532 | 229.2 | -20.9 | -1.04 | 1.408 | 107.4 | 0.955 | 20.073 | 324.3 | 530.4 | 0.893 | 39.253A | 2.65 | 0.129 | 160.1 | 54.5 | 24.8 | 0.185 |
| | | 11.50 | 5.20 | 16.70 | TWO | 30.039 | 288.8 | -27.5 | 48.4 | | | | | | | | | | |
| 43510.0 | 50370.0 | 0.473 | 227.3 | -22.8 | -1.67 | 1.409 | 102.6 | 0.954 | 20.178 | 334.2 | 530.1 | 0.935 | 39.421A | 3.32 | 0.130 | 159.8 | 54.8 | 25.0 | 0.184 |
| | | 10.09 | 5.20 | 15.28 | TWO | 30.039 | 288.8 | -27.5 | 48.1 | | | | | | | | | | |
| 43520.0 | 50370.0 | 0.436 | 220.5 | -31.4 | -4.61 | 1.409 | 97.7 | 0.952 | 20.256 | 344.1 | 529.9 | 0.965 | 39.547A | 6.30 | 0.130 | 159.6 | 54.8 | 25.8 | 0.184 |
| | | 9.23 | 5.20 | 14.43 | TWO | 30.039 | 288.8 | -27.5 | 47.9 | | | | | | | | | | |
| 43530.0 | 50370.0 | 0.416 | 225.5 | 3.8 | 5.84 | 1.408 | 92.8 | 0.952 | 20.304 | 354.2 | 529.7 | 0.982 | 39.626A | -4.11 | 0.131 | 159.4 | 55.8 | 23.4 | 0.184 |
| | | 8.78 | 5.20 | 13.98 | ONE | 30.039 | 288.8 | -27.5 | 47.7 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43540.0 | 50370.0 | 0.396<br>8.35 | 214.5<br>5.20 | -7.0<br>13.54 | 1.81<br>ONE | 1.407<br>30.039 | 87.9<br>288.8 | 0.952<br>-27.5 | 20.321<br>47.6 | 4.4 | 169.7 | 0.984D | 39.659A | -0.03 | 0.131 | 159.4 | 55.6 | 24.4 | 0.184 |
| 43550.0 | 50370.0 | 0.416<br>8.80 | 207.3<br>5.20 | -7.3<br>14.00 | 1.39<br>ONE | 1.406<br>30.039 | 82.9<br>288.8 | 0.952<br>-27.5 | 20.308<br>47.7 | 14.6 | 169.8 | 0.971D | 39.645A | 0.72 | 0.131 | 159.6 | 55.4 | 24.5 | 0.184 |
| 43560.0 | 50370.0 | 0.460<br>9.78 | 202.5<br>5.20 | -6.8<br>14.98 | 0.80<br>ONE | 1.405<br>30.039 | 77.9<br>288.8 | 0.953<br>-27.5 | 20.265<br>47.8 | 24.8 | 170.0 | 0.944D | 39.586A | 1.06 | 0.130 | 159.8 | 55.2 | 24.6 | 0.185 |
| 43570.0 | 50370.0 | 0.520<br>11.21 | 200.0<br>5.21 | -6.6<br>16.41 | 0.65<br>ONE | 1.403<br>30.039 | 72.8<br>288.8 | 0.955<br>-27.5 | 20.195<br>48.1 | 35.2 | 170.2 | 0.903D | 39.487A | 1.25 | 0.130 | 160.1 | 54.9 | 24.5 | 0.185 |
| 43580.0 | 50370.0 | 0.591<br>12.98 | 199.6<br>5.22 | -7.0<br>18.20 | 0.56<br>ONE | 1.401<br>30.039 | 67.8<br>288.8 | 0.958<br>-27.5 | 20.102<br>48.5 | 45.5 | 170.6 | 0.848D | 39.355A | 1.39 | 0.129 | 160.6 | 54.5 | 24.4 | 0.186 |
| ARRIVAL DATE = 2450570.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 50570.0 | 0.603<br>13.27 | 229.1<br>5.15 | -19.7<br>18.42 | -0.70<br>TWO | 1.407<br>29.918 | 112.5<br>290.1 | 0.956<br>-27.3 | 19.167<br>51.0 | 314.0 | 531.4 | 0.837 | 37.496A | 2.27 | 0.119 | 159.1 | 53.0 | 24.3 | 0.179 |
| 43500.0 | 50570.0 | 0.534<br>11.56 | 229.8<br>5.14 | -20.7<br>16.70 | -0.92<br>TWO | 1.408<br>29.918 | 107.7<br>290.1 | 0.954<br>-27.3 | 19.280<br>50.6 | 323.8 | 531.1 | 0.891 | 37.668A | 2.54 | 0.120 | 158.7 | 53.5 | 24.5 | 0.179 |
| 43510.0 | 50570.0 | 0.474<br>10.12 | 228.2<br>5.14 | -22.2<br>15.26 | -1.44<br>TWO | 1.408<br>29.918 | 102.8<br>290.1 | 0.952<br>-27.3 | 19.372<br>50.2 | 333.7 | 530.8 | 0.934 | 37.810A | 3.10 | 0.121 | 158.4 | 53.8 | 24.7 | 0.179 |
| 43520.0 | 50570.0 | 0.432<br>9.16 | 222.4<br>5.14 | -28.3<br>14.29 | -3.52<br>TWO | 1.408<br>29.918 | 98.0<br>290.1 | 0.950<br>-27.3 | 19.440<br>49.9 | 343.7 | 530.6 | 0.964 | 37.916A | 5.22 | 0.122 | 158.1 | 53.9 | 25.3 | 0.179 |
| 43530.0 | 50570.0 | 0.426<br>9.01 | 227.7<br>5.14 | 8.1<br>14.15 | 7.31<br>ONE | 1.407<br>29.918 | 93.0<br>290.1 | 0.950<br>-27.3 | 19.482<br>49.8 | 353.8 | 530.5 | 0.981 | 37.984A | -5.57 | 0.123 | 158.0 | 54.9 | 22.7 | 0.179 |
| 43540.0 | 50570.0 | 0.395<br>8.32 | 215.3<br>5.14 | -7.2<br>13.46 | 1.82<br>ONE | 1.407<br>29.918 | 88.1<br>290.1 | 0.950<br>-27.3 | 19.498<br>49.7 | 3.9 | 170.4 | 0.984D | 38.012A | -0.04 | 0.123 | 158.0 | 54.6 | 24.1 | 0.178 |
| 43550.0 | 50570.0 | 0.414<br>8.74 | 208.0<br>5.14 | -7.7<br>13.88 | 1.06<br>ONE | 1.405<br>29.918 | 83.1<br>290.1 | 0.950<br>-27.3 | 19.487<br>49.7 | 14.1 | 170.5 | 0.972D | 38.001A | 0.75 | 0.123 | 158.1 | 54.5 | 24.3 | 0.179 |
| 43560.0 | 50570.0 | 0.456<br>9.70 | 203.1<br>5.14 | -7.2<br>14.84 | 0.76<br>ONE | 1.404<br>29.918 | 78.1<br>290.1 | 0.951<br>-27.3 | 19.450<br>49.9 | 24.4 | 170.7 | 0.946D | 37.954A | 1.09 | 0.122 | 158.4 | 54.3 | 24.3 | 0.179 |
| 43570.0 | 50570.0 | 0.515<br>11.10 | 200.5<br>5.15 | -6.9<br>16.25 | 0.61<br>ONE | 1.402<br>29.918 | 73.1<br>290.1 | 0.953<br>-27.3 | 19.389<br>50.2 | 34.7 | 170.9 | 0.905D | 37.872A | 1.28 | 0.122 | 158.7 | 54.0 | 24.3 | 0.179 |
| 43580.0 | 50570.0 | 0.586<br>12.86 | 200.1<br>5.15 | -7.2<br>18.01 | 0.52<br>ONE | 1.400<br>29.918 | 68.0<br>290.1 | 0.956<br>-27.3 | 19.307<br>50.6 | 45.0 | 171.2 | 0.852D | 37.763A | 1.41 | 0.121 | 159.2 | 53.6 | 24.2 | 0.180 |
| ARRIVAL DATE = 2450770.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 50770.0 | 0.606<br>13.36 | 229.7<br>5.10 | -19.7<br>18.46 | -0.62<br>TWO | 1.406<br>30.570 | 112.7<br>291.4 | 0.955<br>-27.1 | 18.531<br>53.2 | 313.4 | 532.1 | 0.834 | 36.228A | 2.21 | 0.111 | 157.6 | 52.0 | 24.0 | 0.174 |
| 43500.0 | 50770.0 | 0.537<br>11.63 | 230.5<br>5.09 | -20.6<br>16.72 | -0.81<br>TWO | 1.407<br>30.570 | 107.9<br>291.4 | 0.952<br>-27.1 | 18.631<br>52.7 | 323.3 | 531.7 | 0.888 | 36.374A | 2.44 | 0.113 | 157.2 | 52.5 | 24.2 | 0.174 |
| 43510.0 | 50770.0 | 0.476<br>10.17 | 229.0<br>5.09 | -21.8<br>15.26 | -1.23<br>TWO | 1.407<br>30.570 | 103.1<br>291.4 | 0.950<br>-27.1 | 18.713<br>52.3 | 333.2 | 531.5 | 0.932 | 36.494A | 2.90 | 0.114 | 156.8 | 52.9 | 24.5 | 0.174 |
| 43520.0 | 50770.0 | 0.431<br>9.13 | 224.0<br>5.09 | -26.1<br>14.22 | -2.75<br>TWO | 1.407<br>30.570 | 98.2<br>291.4 | 0.949<br>-27.1 | 18.774<br>52.0 | 343.2 | 531.3 | 0.963 | 36.585A | 4.46 | 0.115 | 156.6 | 53.0 | 24.9 | 0.173 |
| 43530.0 | 50770.0 | 0.453<br>9.63 | 231.6<br>5.09 | 16.5<br>14.72 | 10.40<br>ONE | 1.407<br>30.570 | 93.3<br>291.4 | 0.948<br>-27.1 | 18.812<br>52.0 | 353.3 | 531.2 | 0.981 | 36.643A | -8.67 | 0.115 | 156.5 | 54.2 | 21.7 | 0.174 |
| 43540.0 | 50770.0 | 0.394<br>8.30 | 216.1<br>5.08 | -7.5<br>13.39 | 1.82<br>ONE | 1.406<br>30.570 | 88.3<br>291.4 | 0.948<br>-27.1 | 18.826<br>51.8 | 3.4 | 171.1 | 0.984D | 36.668A | -0.04 | 0.115 | 156.5 | 53.7 | 23.9 | 0.173 |
| 43550.0 | 50770.0 | 0.412<br>8.69 | 208.7<br>5.08 | -8.1<br>13.78 | 1.01<br>ONE | 1.405<br>30.570 | 83.4<br>291.4 | 0.948<br>-27.1 | 18.817<br>51.8 | 13.6 | 171.2 | 0.973D | 36.660A | 0.79 | 0.115 | 156.6 | 53.5 | 24.1 | 0.173 |
| 43560.0 | 50770.0 | 0.453<br>9.62 | 203.7<br>5.09 | -7.5<br>14.71 | 0.72<br>ONE | 1.403<br>30.570 | 78.4<br>291.4 | 0.950<br>-27.1 | 18.785<br>52.0 | 23.8 | 171.3 | 0.948D | 36.621A | 1.12 | 0.115 | 156.8 | 53.3 | 24.1 | 0.174 |
| 43570.0 | 50770.0 | 0.511<br>11.00 | 201.1<br>5.09 | -7.2<br>16.09 | 0.67<br>ONE | 1.402<br>30.570 | 73.4<br>291.4 | 0.952<br>-27.1 | 18.731<br>52.3 | 34.1 | 171.5 | 0.908D | 36.554A | 1.31 | 0.114 | 157.2 | 53.0 | 24.1 | 0.174 |
| 43580.0 | 50770.0 | 0.581<br>12.73 | 200.6<br>5.10 | -7.5<br>17.83 | 0.49<br>ONE | 1.400<br>30.570 | 68.3<br>291.4 | 0.954<br>-27.1 | 18.659<br>52.6 | 44.4 | 171.8 | 0.855D | 36.462A | 1.43 | 0.113 | 157.7 | 52.6 | 24.0 | 0.175 |
| ARRIVAL DATE = 2450970.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 50970.0 | 0.610<br>13.45 | 230.2<br>5.05 | -19.6<br>18.50 | -0.55<br>TWO | 1.406<br>29.422 | 113.0<br>292.7 | 0.954<br>-26.9 | 18.005<br>55.3 | 312.9 | 532.7 | 0.831 | 35.179A | 2.16 | 0.104 | 156.1 | 51.0 | 23.7 | 0.170 |
| 43500.0 | 50970.0 | 0.540<br>11.70 | 231.1<br>5.04 | -20.5<br>16.75 | -0.71<br>TWO | 1.406<br>29.422 | 108.2<br>292.7 | 0.951<br>-26.9 | 18.095<br>54.8 | 322.7 | 532.4 | 0.886 | 35.305A | 2.35 | 0.106 | 155.6 | 51.5 | 23.9 | 0.169 |
| 43510.0 | 50970.0 | 0.479<br>10.22 | 229.9<br>5.04 | -21.5<br>15.26 | -1.05<br>TWO | 1.407<br>29.422 | 103.3<br>292.7 | 0.949<br>-26.9 | 18.169<br>54.4 | 332.6 | 532.1 | 0.930 | 35.408A | 2.73 | 0.107 | 155.2 | 51.9 | 24.2 | 0.169 |
| 43520.0 | 50970.0 | 0.431<br>9.14 | 225.4<br>5.04 | -24.5<br>14.17 | -2.18<br>TWO | 1.407<br>29.422 | 98.4<br>292.7 | 0.947<br>-26.9 | 18.224<br>54.1 | 342.6 | 531.9 | 0.962 | 35.486A | 3.89 | 0.107 | 155.0 | 52.1 | 24.5 | 0.169 |
| 43530.0 | 50970.0 | 0.589<br>12.93 | 243.3<br>5.06 | 38.8<br>17.99 | 20.94<br>ONE | 1.406<br>29.422 | 93.5<br>292.7 | 0.946<br>-26.9 | 18.259<br>54.6 | 352.8 | 531.8 | 0.980 | 35.537A | -19.20 | 0.108 | 154.8 | 53.7 | 18.6 | 0.171 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43540.0 | 50970.0 | 0.393 | 217.0 | -7.7 | 1.82 | 1.405 | 88.6 | 0.946 | 18.272 | 2.9 | 171.8 | 0.985D | 35.559A | -0.05 | 0.108 | 154.8 | 52.7 | 23.6 | 0.168 |
| | | 8.78 | 5.04 | 13.32 | ONE | 29.422 | 292.7 | -26.9 | 53.9 | | | | | | | | | | |
| 43550.0 | 50970.0 | 0.409 | 209.5 | -8.5 | 0.97 | 1.404 | 83.7 | 0.947 | 18.264 | 13.0 | 171.8 | 0.974D | 35.554A | 0.84 | 0.108 | 154.9 | 52.6 | 23.8 | 0.169 |
| | | 8.64 | 5.04 | 13.68 | ONE | 29.422 | 292.7 | -26.9 | 53.9 | | | | | | | | | | |
| 43560.0 | 50970.0 | 0.449 | 204.4 | -7.9 | 0.67 | 1.403 | 78.7 | 0.948 | 18.236 | 23.3 | 171.9 | 0.950D | 35.522A | 1.16 | 0.108 | 155.2 | 52.4 | 23.9 | 0.169 |
| | | 9.54 | 5.04 | 14.59 | ONE | 29.422 | 292.7 | -26.9 | 54.1 | | | | | | | | | | |
| 43570.0 | 50970.0 | 0.507 | 201.6 | -7.6 | 0.53 | 1.401 | 73.7 | 0.950 | 18.188 | 33.5 | 172.2 | 0.911D | 35.465A | 1.34 | 0.107 | 155.5 | 52.1 | 23.8 | 0.170 |
| | | 10.90 | 5.05 | 15.94 | ONE | 29.422 | 292.7 | -26.9 | 54.4 | | | | | | | | | | |
| 43580.0 | 50970.0 | 0.576 | 201.1 | -7.8 | 0.45 | 1.399 | 68.7 | 0.953 | 18.123 | 43.8 | 172.4 | 0.859D | 35.388A | 1.46 | 0.106 | 156.1 | 51.7 | 23.7 | 0.170 |
| | | 12.60 | 5.05 | 17.66 | ONE | 29.422 | 292.7 | -26.9 | 54.7 | | | | | | | | | | |
| ARRIVAL DATE = 2451170.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 51170.0 | 0.614 | 230.8 | -19.6 | -0.48 | 1.405 | 113.3 | 0.953 | 17.567 | 312.3 | 533.3 | 0.827 | 34.306A | 2.11 | 0.097 | 154.3 | 50.1 | 23.4 | 0.166 |
| | | 13.56 | 5.01 | 18.57 | TWO | 30.960 | 294.0 | -26.7 | 57.4 | | | | | | | | | | |
| 43500.0 | 51170.0 | 0.543 | 231.8 | -20.4 | -0.61 | 1.406 | 108.4 | 0.950 | 17.648 | 322.1 | 533.0 | 0.883 | 34.414A | 2.27 | 0.099 | 153.8 | 50.6 | 23.6 | 0.165 |
| | | 11.79 | 5.00 | 16.79 | TWO | 30.960 | 294.0 | -26.7 | 56.9 | | | | | | | | | | |
| 43510.0 | 51170.0 | 0.481 | 230.7 | -21.2 | -0.89 | 1.406 | 103.6 | 0.948 | 17.715 | 332.1 | 532.7 | 0.928 | 34.503A | 2.58 | 0.100 | 153.4 | 50.9 | 23.8 | 0.165 |
| | | 10.29 | 5.00 | 15.29 | TWO | 30.960 | 294.0 | -26.7 | 56.6 | | | | | | | | | | |
| 43520.0 | 51170.0 | 0.432 | 226.7 | -23.3 | -1.73 | 1.406 | 98.7 | 0.946 | 17.766 | 342.1 | 532.5 | 0.960 | 34.571A | 3.45 | 0.101 | 153.2 | 51.2 | 24.2 | 0.164 |
| | | 9.16 | 5.00 | 14.16 | TWO | 30.960 | 294.0 | -26.7 | 56.3 | | | | | | | | | | |
| 43540.0 | 51170.0 | 0.392 | 218.0 | -8.0 | 1.83 | 1.405 | 88.9 | 0.945 | 17.810 | 2.3 | 172.4 | 0.985D | 34.636A | -0.05 | 0.101 | 153.0 | 51.8 | 23.3 | 0.164 |
| | | 8.27 | 4.99 | 13.26 | ONE | 30.960 | 294.0 | -26.7 | 56.0 | | | | | | | | | | |
| 43550.0 | 51170.0 | 0.407 | 210.3 | -9.0 | 0.92 | 1.404 | 83.9 | 0.945 | 17.804 | 12.5 | 172.4 | 0.976D | 34.632A | 0.88 | 0.101 | 153.1 | 51.6 | 23.6 | 0.164 |
| | | 8.59 | 5.00 | 13.59 | ONE | 30.960 | 294.0 | -26.7 | 56.0 | | | | | | | | | | |
| 43560.0 | 51170.0 | 0.446 | 205.1 | -8.3 | 0.63 | 1.402 | 79.0 | 0.946 | 17.779 | 22.7 | 172.6 | 0.952D | 34.606A | 1.20 | 0.101 | 153.4 | 51.4 | 23.6 | 0.165 |
| | | 9.47 | 5.00 | 14.46 | ONE | 30.960 | 294.0 | -26.7 | 56.2 | | | | | | | | | | |
| 43570.0 | 51170.0 | 0.502 | 202.3 | -7.9 | 0.49 | 1.400 | 74.0 | 0.948 | 17.736 | 32.9 | 172.7 | 0.914D | 34.559A | 1.37 | 0.100 | 153.7 | 51.1 | 23.6 | 0.165 |
| | | 10.79 | 5.00 | 15.79 | ONE | 30.960 | 294.0 | -26.7 | 56.5 | | | | | | | | | | |
| 43580.0 | 51170.0 | 0.571 | 201.6 | -8.1 | 0.41 | 1.399 | 69.0 | 0.951 | 17.678 | 43.2 | 173.0 | 0.863D | 34.493A | 1.48 | 0.099 | 154.3 | 50.8 | 23.5 | 0.166 |
| | | 12.47 | 5.01 | 17.48 | ONE | 30.960 | 294.0 | -26.7 | 56.8 | | | | | | | | | | |
| 43590.0 | 51170.0 | 0.648 | 202.6 | -8.7 | 0.36 | 1.396 | 63.9 | 0.955 | 17.607 | 53.5 | 173.3 | 0.800D | 34.414A | 1.56 | 0.098 | 155.0 | 50.3 | 23.3 | 0.167 |
| | | 14.42 | 5.02 | 19.45 | ONE | 30.960 | 294.0 | -26.7 | 57.3 | | | | | | | | | | |
| ARRIVAL DATE = 2451370.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 51370.0 | 0.618 | 231.4 | -19.6 | -0.41 | 1.405 | 113.6 | 0.952 | 17.198 | 311.6 | 533.8 | 0.823 | 33.573A | 2.06 | 0.091 | 152.4 | 49.1 | 23.1 | 0.162 |
| | | 13.67 | 4.98 | 18.64 | TWO | 29.128 | 295.3 | -26.4 | 59.6 | | | | | | | | | | |
| 43500.0 | 51370.0 | 0.547 | 232.5 | -20.3 | -0.52 | 1.405 | 108.7 | 0.949 | 17.273 | 321.5 | 533.5 | 0.880 | 33.667A | 2.20 | 0.092 | 151.9 | 49.6 | 23.3 | 0.162 |
| | | 11.88 | 4.97 | 16.85 | TWO | 29.128 | 295.3 | -26.4 | 59.1 | | | | | | | | | | |
| 43510.0 | 51370.0 | 0.484 | 231.6 | -21.0 | -0.75 | 1.406 | 103.9 | 0.947 | 17.335 | 331.5 | 533.3 | 0.925 | 33.745A | 2.45 | 0.093 | 151.5 | 50.0 | 23.5 | 0.161 |
| | | 10.36 | 4.96 | 15.32 | TWO | 29.128 | 295.3 | -26.4 | 58.7 | | | | | | | | | | |
| 43520.0 | 51370.0 | 0.434 | 227.9 | -22.4 | -1.38 | 1.406 | 99.0 | 0.945 | 17.381 | 341.5 | 533.1 | 0.959 | 33.804A | 3.10 | 0.094 | 151.3 | 50.2 | 23.8 | 0.161 |
| | | 9.19 | 4.96 | 14.16 | TWO | 29.128 | 295.3 | -26.4 | 58.4 | | | | | | | | | | |
| 43530.0 | 51370.0 | 0.458 | 210.3 | -49.8 | -10.75 | 1.405 | 94.1 | 0.944 | 17.411 | 351.5 | 533.0 | 0.979 | 33.843A | 12.50 | 0.095 | 151.1 | 49.3 | 26.3 | 0.162 |
| | | 9.75 | 4.97 | 14.72 | TWO | 29.128 | 295.3 | -26.4 | 58.5 | | | | | | | | | | |
| 43540.0 | 51370.0 | 0.392 | 219.0 | -8.3 | 1.84 | 1.404 | 89.2 | 0.943 | 17.423 | 1.7 | 173.0 | 0.985D | 33.862A | -0.06 | 0.095 | 151.1 | 50.8 | 23.1 | 0.160 |
| | | 8.25 | 4.96 | 13.21 | ONE | 29.128 | 295.3 | -26.4 | 58.1 | | | | | | | | | | |
| 43550.0 | 51370.0 | 0.405 | 211.2 | -9.5 | 0.86 | 1.403 | 84.2 | 0.944 | 17.418 | 11.9 | 173.0 | 0.977D | 33.860A | 0.94 | 0.095 | 151.2 | 50.7 | 23.3 | 0.161 |
| | | 8.55 | 4.96 | 13.50 | ONE | 29.128 | 295.3 | -26.4 | 58.1 | | | | | | | | | | |
| 43560.0 | 51370.0 | 0.442 | 205.9 | -8.8 | 0.67 | 1.402 | 79.3 | 0.945 | 17.396 | 22.1 | 173.1 | 0.954D | 33.838A | 1.25 | 0.095 | 151.4 | 50.5 | 23.3 | 0.161 |
| | | 9.39 | 4.96 | 14.35 | ONE | 29.128 | 295.3 | -26.4 | 58.3 | | | | | | | | | | |
| 43570.0 | 51370.0 | 0.498 | 202.9 | -8.3 | 0.44 | 1.400 | 74.3 | 0.947 | 17.357 | 32.3 | 173.3 | 0.917D | 33.798A | 1.41 | 0.094 | 151.8 | 50.2 | 23.3 | 0.161 |
| | | 10.68 | 4.97 | 15.65 | ONE | 29.128 | 295.3 | -26.4 | 58.5 | | | | | | | | | | |
| 43580.0 | 51370.0 | 0.566 | 202.1 | -8.4 | 0.37 | 1.398 | 69.3 | 0.950 | 17.304 | 42.5 | 173.5 | 0.866D | 33.742A | 1.51 | 0.093 | 152.3 | 49.8 | 23.2 | 0.162 |
| | | 12.34 | 4.98 | 17.32 | ONE | 29.128 | 295.3 | -26.4 | 58.9 | | | | | | | | | | |
| 43590.0 | 51370.0 | 0.642 | 203.1 | -9.0 | 0.32 | 1.396 | 64.3 | 0.953 | 17.239 | 52.8 | 173.8 | 0.804D | 33.674A | 1.58 | 0.092 | 153.0 | 49.4 | 23.1 | 0.163 |
| | | 14.27 | 4.99 | 19.26 | ONE | 29.128 | 295.3 | -26.4 | 59.3 | | | | | | | | | | |
| ARRIVAL DATE = 2451570.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 51570.0 | 0.623 | 232.0 | -19.6 | -0.35 | 1.404 | 113.9 | 0.951 | 16.888 | 311.0 | 534.4 | 0.819 | 32.956A | 2.01 | 0.085 | 150.4 | 48.1 | 22.8 | 0.159 |
| | | 13.79 | 4.95 | 18.73 | TWO | 31.088 | 296.6 | -26.2 | 61.7 | | | | | | | | | | |
| 43500.0 | 51570.0 | 0.551 | 233.3 | -20.3 | -0.44 | 1.405 | 109.0 | 0.948 | 16.957 | 320.9 | 534.1 | 0.876 | 33.037A | 2.13 | 0.086 | 149.8 | 48.6 | 23.0 | 0.158 |
| | | 11.98 | 4.94 | 16.92 | TWO | 31.088 | 296.6 | -26.2 | 61.2 | | | | | | | | | | |
| 43510.0 | 51570.0 | 0.488 | 232.5 | -20.8 | -0.62 | 1.405 | 104.2 | 0.946 | 17.014 | 330.8 | 533.9 | 0.923 | 33.105A | 2.33 | 0.088 | 149.4 | 49.0 | 23.2 | 0.158 |
| | | 10.44 | 4.93 | 15.37 | TWO | 31.088 | 296.6 | -26.2 | 60.8 | | | | | | | | | | |
| 43520.0 | 51570.0 | 0.436 | 229.1 | -21.7 | -1.09 | 1.405 | 99.3 | 0.944 | 17.057 | 340.9 | 533.7 | 0.957 | 33.157A | 2.82 | 0.088 | 149.2 | 49.3 | 23.5 | 0.157 |
| | | 9.24 | 4.93 | 14.17 | TWO | 31.088 | 296.6 | -26.2 | 60.5 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COAST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43530.0 | 51570.0 | 0.415 | 219.1 | -34.0 | -5.20 | 1.405 | 94.4 | 0.943 | 17.085 | 350.9 | 533.6 | 0.978 | 33.192A | 6.95 | 0.089 | 149.0 | 49.0 | 24.7 | 0.157 |
| | | 8.78 | 4.93 | 13.70 | TWO | 31.088 | 296.6 | -26.2 | 60.4 | | | | | | | | | | |
| 43540.0 | 51570.0 | 0.391 | 220.0 | -8.6 | 1.95 | 1.404 | 89.5 | 0.942 | 17.097 | 1.1 | 173.6 | 0.985D | 33.209A | -0.07 | 0.089 | 149.0 | 49.8 | 22.8 | 0.157 |
| | | 8.24 | 4.92 | 13.17 | ONE | 31.088 | 296.6 | -26.2 | 60.2 | | | | | | | | | | |
| 43550.0 | 51570.0 | 0.403 | 212.1 | -10.1 | 0.80 | 1.403 | 84.5 | 0.943 | 17.093 | 11.2 | 173.6 | 0.978D | 33.208A | 1.00 | 0.089 | 149.1 | 49.7 | 23.1 | 0.157 |
| | | 8.50 | 4.93 | 13.43 | ONE | 31.088 | 296.6 | -26.2 | 60.2 | | | | | | | | | | |
| 43560.0 | 51570.0 | 0.439 | 206.7 | -9.3 | 0.52 | 1.401 | 79.6 | 0.944 | 17.073 | 21.4 | 173.7 | 0.956D | 33.190A | 1.30 | 0.089 | 149.3 | 49.5 | 23.1 | 0.157 |
| | | 9.31 | 4.93 | 14.24 | ONE | 31.088 | 296.6 | -26.2 | 60.4 | | | | | | | | | | |
| 43570.0 | 51570.0 | 0.493 | 203.6 | -8.7 | 0.39 | 1.400 | 74.6 | 0.946 | 17.038 | 31.6 | 173.8 | 0.920D | 33.156A | 1.45 | 0.088 | 149.7 | 49.3 | 23.0 | 0.158 |
| | | 10.57 | 4.94 | 15.51 | ONE | 31.088 | 296.6 | -26.2 | 60.6 | | | | | | | | | | |
| 43580.0 | 51570.0 | 0.560 | 202.7 | -8.7 | 0.33 | 1.398 | 69.7 | 0.949 | 16.990 | 41.8 | 174.0 | 0.870D | 33.109A | 1.54 | 0.087 | 150.2 | 48.9 | 23.0 | 0.159 |
| | | 12.21 | 4.94 | 17.15 | ONE | 31.088 | 296.6 | -26.2 | 61.0 | | | | | | | | | | |
| 43590.0 | 51570.0 | 0.636 | 203.6 | -9.2 | 0.29 | 1.396 | 64.7 | 0.952 | 16.930 | 52.1 | 174.3 | 0.809D | 33.051A | 1.60 | 0.086 | 150.9 | 48.5 | 22.8 | 0.160 |
| | | 14.12 | 4.95 | 19.07 | ONE | 31.088 | 296.6 | -26.2 | 61.4 | | | | | | | | | | |

ARRIVAL DATE = 2451770.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 51770.0 | 0.628 | 232.7 | -19.6 | -0.29 | 1.404 | 114.2 | 0.951 | 16.624 | 310.3 | 534.9 | 0.815 | 32.434A | 1.97 | 0.079 | 148.1 | 47.2 | 22.5 | 0.156 |
| | | 13.91 | 4.92 | 18.83 | TWO | 29.125 | 297.9 | -25.9 | 63.8 | | | | | | | | | | |
| 43500.0 | 51770.0 | 0.556 | 234.0 | -20.2 | -0.36 | 1.405 | 109.3 | 0.948 | 16.689 | 320.2 | 534.6 | 0.873 | 32.505A | 2.06 | 0.081 | 147.6 | 47.7 | 22.7 | 0.155 |
| | | 12.09 | 4.91 | 17.00 | TWO | 29.125 | 297.9 | -25.9 | 63.3 | | | | | | | | | | |
| 43510.0 | 51770.0 | 0.491 | 233.4 | -20.6 | -0.50 | 1.405 | 104.5 | 0.945 | 16.742 | 330.2 | 534.4 | 0.920 | 32.564A | 2.22 | 0.082 | 147.2 | 48.1 | 22.9 | 0.155 |
| | | 10.52 | 4.90 | 15.43 | TWO | 29.125 | 297.9 | -25.9 | 62.9 | | | | | | | | | | |
| 43520.0 | 51770.0 | 0.438 | 230.3 | -21.2 | -0.85 | 1.405 | 99.6 | 0.943 | 16.783 | 340.2 | 534.2 | 0.955 | 32.610A | 2.58 | 0.083 | 146.9 | 48.3 | 23.1 | 0.154 |
| | | 9.30 | 4.90 | 14.20 | TWO | 29.125 | 297.9 | -25.9 | 62.6 | | | | | | | | | | |
| 43530.0 | 51770.0 | 0.407 | 222.7 | -27.4 | -3.05 | 1.405 | 94.7 | 0.942 | 16.809 | 350.3 | 534.1 | 0.977 | 32.641A | 4.81 | 0.083 | 146.7 | 48.3 | 23.8 | 0.154 |
| | | 8.60 | 4.90 | 13.50 | TWO | 29.125 | 297.9 | -25.9 | 62.4 | | | | | | | | | | |
| 43540.0 | 51770.0 | 0.391 | 221.1 | -8.9 | 1.86 | 1.404 | 89.8 | 0.941 | 16.821 | 0.4 | 174.1 | 0.985D | 32.656A | -0.09 | 0.084 | 146.7 | 48.9 | 22.5 | 0.154 |
| | | 8.24 | 4.90 | 13.13 | ONE | 29.125 | 297.9 | -25.9 | 62.3 | | | | | | | | | | |
| 43550.0 | 51770.0 | 0.401 | 213.1 | -10.6 | 0.72 | 1.403 | 84.9 | 0.942 | 16.818 | 10.6 | 174.1 | 0.979D | 32.656A | 1.07 | 0.084 | 146.8 | 48.8 | 22.8 | 0.154 |
| | | 8.46 | 4.90 | 13.35 | ONE | 29.125 | 297.9 | -25.9 | 62.3 | | | | | | | | | | |
| 43560.0 | 51770.0 | 0.436 | 207.5 | -9.8 | 0.46 | 1.401 | 79.9 | 0.943 | 16.800 | 20.8 | 174.2 | 0.958D | 32.642A | 1.35 | 0.083 | 147.0 | 48.6 | 22.8 | 0.154 |
| | | 9.23 | 4.90 | 14.13 | ONE | 29.125 | 297.9 | -25.9 | 62.5 | | | | | | | | | | |
| 43570.0 | 51770.0 | 0.489 | 204.3 | -9.1 | 0.34 | 1.399 | 75.0 | 0.945 | 16.768 | 31.0 | 174.3 | 0.923D | 32.613A | 1.49 | 0.083 | 147.4 | 48.4 | 22.8 | 0.155 |
| | | 10.47 | 4.91 | 15.37 | ONE | 29.125 | 297.9 | -25.9 | 62.7 | | | | | | | | | | |
| 43580.0 | 51770.0 | 0.555 | 203.3 | -9.0 | 0.28 | 1.397 | 70.0 | 0.948 | 16.724 | 41.1 | 174.5 | 0.874D | 32.573A | 1.57 | 0.082 | 147.9 | 48.0 | 22.7 | 0.156 |
| | | 12.07 | 4.91 | 16.99 | ONE | 29.125 | 297.9 | -25.9 | 63.0 | | | | | | | | | | |
| 43590.0 | 51770.0 | 0.630 | 204.1 | -9.5 | 0.25 | 1.395 | 65.0 | 0.951 | 16.669 | 51.3 | 174.8 | 0.814D | 32.524A | 1.63 | 0.080 | 148.6 | 47.6 | 22.6 | 0.157 |
| | | 13.96 | 4.92 | 18.89 | ONE | 29.125 | 297.9 | -25.9 | 63.4 | | | | | | | | | | |

ARRIVAL DATE = 2451970.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 51970.0 | 0.633 | 233.3 | -19.7 | -0.23 | 1.404 | 114.5 | 0.951 | 16.401 | 309.6 | 535.4 | 0.810 | 31.992A | 1.93 | 0.074 | 145.7 | 46.2 | 22.2 | 0.154 |
| | | 14.05 | 4.90 | 18.94 | TWO | 30.915 | 299.2 | -25.6 | 65.9 | | | | | | | | | | |
| 43500.0 | 51970.0 | 0.560 | 234.8 | -20.2 | -0.29 | 1.404 | 109.7 | 0.947 | 16.461 | 319.5 | 535.1 | 0.869 | 32.054A | 2.00 | 0.076 | 145.1 | 46.7 | 22.4 | 0.153 |
| | | 12.21 | 4.89 | 17.09 | TWO | 30.915 | 299.2 | -25.6 | 65.4 | | | | | | | | | | |
| 43510.0 | 51970.0 | 0.495 | 234.3 | -20.5 | -0.39 | 1.405 | 104.8 | 0.944 | 16.511 | 329.5 | 534.9 | 0.917 | 32.106A | 2.12 | 0.077 | 144.7 | 47.1 | 22.6 | 0.152 |
| | | 10.61 | 4.88 | 15.49 | TWO | 30.915 | 299.2 | -25.6 | 65.0 | | | | | | | | | | |
| 43520.0 | 51970.0 | 0.441 | 231.5 | -20.8 | -0.64 | 1.405 | 99.9 | 0.942 | 16.550 | 339.5 | 534.8 | 0.953 | 32.146A | 2.38 | 0.078 | 144.4 | 47.4 | 22.8 | 0.152 |
| | | 9.36 | 4.88 | 14.23 | TWO | 30.915 | 299.2 | -25.6 | 64.7 | | | | | | | | | | |
| 43530.0 | 51970.0 | 0.406 | 225.0 | -24.0 | -1.91 | 1.404 | 95.0 | 0.941 | 16.575 | 349.6 | 534.7 | 0.976 | 32.173A | 3.67 | 0.078 | 144.2 | 47.5 | 23.2 | 0.151 |
| | | 8.56 | 4.87 | 13.44 | TWO | 30.915 | 299.2 | -25.6 | 64.5 | | | | | | | | | | |
| 43540.0 | 51970.0 | 0.391 | 222.3 | -9.2 | 1.88 | 1.403 | 90.1 | 0.941 | 16.586 | 359.8 | 534.6 | 0.985 | 32.188A | -0.11 | 0.079 | 144.2 | 48.0 | 22.2 | 0.151 |
| | | 8.24 | 4.87 | 13.11 | ONE | 30.915 | 299.2 | -25.6 | 64.4 | | | | | | | | | | |
| 43550.0 | 51970.0 | 0.399 | 214.1 | -11.3 | 0.64 | 1.402 | 85.2 | 0.941 | 16.584 | 9.9 | 174.6 | 0.980D | 32.188A | 1.15 | 0.078 | 144.3 | 47.9 | 22.5 | 0.151 |
| | | 8.41 | 4.87 | 13.29 | ONE | 30.915 | 299.2 | -25.6 | 64.4 | | | | | | | | | | |
| 43560.0 | 51970.0 | 0.432 | 208.4 | -10.3 | 0.39 | 1.401 | 80.3 | 0.942 | 16.568 | 20.1 | 174.7 | 0.960D | 32.176A | 1.41 | 0.078 | 144.5 | 47.7 | 22.6 | 0.152 |
| | | 9.15 | 4.88 | 14.03 | ONE | 30.915 | 299.2 | -25.6 | 64.5 | | | | | | | | | | |
| 43570.0 | 51970.0 | 0.484 | 205.1 | -9.5 | 0.29 | 1.399 | 75.3 | 0.944 | 16.539 | 30.2 | 174.8 | 0.926D | 32.153A | 1.53 | 0.077 | 144.9 | 47.5 | 22.5 | 0.152 |
| | | 10.36 | 4.88 | 15.24 | ONE | 30.915 | 299.2 | -25.6 | 64.8 | | | | | | | | | | |
| 43580.0 | 51970.0 | 0.550 | 204.0 | -9.4 | 0.24 | 1.397 | 70.4 | 0.947 | 16.498 | 40.4 | 175.0 | 0.878D | 32.119A | 1.60 | 0.076 | 145.4 | 47.1 | 22.4 | 0.153 |
| | | 11.94 | 4.89 | 16.83 | ONE | 30.915 | 299.2 | -25.6 | 65.1 | | | | | | | | | | |
| 43590.0 | 51970.0 | 0.624 | 204.7 | -9.8 | 0.20 | 1.395 | 65.4 | 0.950 | 16.448 | 50.6 | 175.2 | 0.819D | 32.076A | 1.65 | 0.075 | 146.1 | 46.7 | 22.3 | 0.154 |
| | | 13.80 | 4.90 | 18.70 | ONE | 30.915 | 299.2 | -25.6 | 65.5 | | | | | | | | | | |

ARRIVAL DATE = 2452170.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43490.0 | 52170.0 | 0.638 | 233.9 | -19.7 | -0.18 | 1.404 | 114.9 | 0.950 | 16.211 | 308.8 | 535.8 | 0.806 | 31.617A | 1.89 | 0.069 | 143.0 | 45.4 | 21.9 | 0.152 |
| | | 14.19 | 4.88 | 19.06 | TWO | 29.412 | 300.5 | -25.3 | 68.0 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43500.0 | 52170.0 | 0.565<br>12.33 | 235.5<br>4.87 | -20.2<br>17.19 | -0.22<br>TWO | 1.404<br>29.412 | 110.0<br>300.5 | 0.947<br>-25.3 | 16.268<br>67.5 | 318.8 | 535.6 | 0.865 | 31.671A | 1.94 | 0.071 | 142.4 | 45.8 | 22.1 | 0.151 |
| 43510.0 | 52170.0 | 0.499<br>10.71 | 235.3<br>4.86 | -20.4<br>15.57 | -0.29<br>TWO | 1.405<br>29.412 | 105.1<br>300.5 | 0.944<br>-25.3 | 16.315<br>67.1 | 328.8 | 535.4 | 0.914 | 31.716A | 2.03 | 0.072 | 142.0 | 46.2 | 22.3 | 0.150 |
| 43520.0 | 52170.0 | 0.444<br>9.43 | 232.6<br>4.85 | -20.5<br>14.28 | -0.47<br>TWO | 1.404<br>29.412 | 100.3<br>300.5 | 0.942<br>-25.3 | 16.352<br>66.8 | 338.8 | 535.3 | 0.951 | 31.752A | 2.22 | 0.073 | 141.7 | 46.5 | 22.5 | 0.149 |
| 43530.0 | 52170.0 | 0.406<br>8.58 | 226.9<br>4.85 | -21.9<br>13.43 | -1.21<br>TWO | 1.404<br>29.412 | 95.4<br>300.5 | 0.940<br>-25.3 | 16.376<br>66.6 | 348.9 | 535.2 | 0.975 | 31.776A | 2.97 | 0.074 | 141.6 | 46.7 | 22.8 | 0.149 |
| 43540.0 | 52170.0 | 0.391<br>8.24 | 223.5<br>4.85 | -9.4<br>13.09 | 1.92<br>ONE | 1.403<br>29.412 | 90.5<br>300.5 | 0.940<br>-25.3 | 16.387<br>66.5 | 359.1 | 535.1 | 0.985 | 31.789A | -0.14 | 0.074 | 141.5 | 47.1 | 21.9 | 0.149 |
| 43550.0 | 52170.0 | 0.397<br>8.37 | 215.1<br>4.85 | -12.0<br>13.23 | 0.54<br>ONE | 1.402<br>29.412 | 85.5<br>300.5 | 0.940<br>-25.3 | 16.386<br>66.5 | 9.2 | 175.1 | 0.981D | 31.791A | 1.24 | 0.074 | 141.6 | 47.0 | 22.3 | 0.149 |
| 43560.0 | 52170.0 | 0.429<br>9.08 | 209.3<br>4.85 | -10.9<br>13.93 | 0.32<br>ONE | 1.401<br>29.412 | 80.6<br>300.5 | 0.941<br>-25.3 | 16.371<br>66.6 | 19.4 | 175.2 | 0.962D | 31.781A | 1.48 | 0.073 | 141.8 | 46.8 | 22.3 | 0.149 |
| 43570.0 | 52170.0 | 0.480<br>10.25 | 205.8<br>4.86 | -10.0<br>15.11 | 0.23<br>ONE | 1.399<br>29.412 | 75.7<br>300.5 | 0.943<br>-25.3 | 16.345<br>66.8 | 29.5 | 175.3 | 0.929D | 31.761A | 1.58 | 0.073 | 142.1 | 46.6 | 22.3 | 0.150 |
| 43580.0 | 52170.0 | 0.544<br>11.80 | 204.6<br>4.87 | -9.8<br>16.67 | 0.19<br>ONE | 1.397<br>29.412 | 70.7<br>300.5 | 0.946<br>-25.3 | 16.307<br>67.1 | 39.7 | 175.5 | 0.882D | 31.732A | 1.63 | 0.072 | 142.6 | 46.3 | 22.2 | 0.151 |
| 43590.0 | 52170.0 | 0.617<br>13.65 | 205.2<br>4.88 | -10.1<br>18.52 | 0.16<br>ONE | 1.395<br>29.412 | 65.8<br>300.5 | 0.949<br>-25.3 | 16.260<br>67.5 | 49.8 | 175.7 | 0.824D | 31.696A | 1.67 | 0.071 | 143.3 | 45.9 | 22.0 | 0.152 |
| ARRIVAL DATE = 2452370.0 | | | | | | | | | | | | | | | | | | | |
| 43490.0 | 52370.0 | 0.644<br>14.33 | 234.6<br>4.86 | -19.7<br>19.19 | -0.13<br>TWO | 1.403<br>30.492 | 115.2<br>301.8 | 0.950<br>-25.0 | 16.050<br>70.0 | 308.1 | 536.3 | 0.801 | 31.300A | 1.86 | 0.065 | 140.0 | 44.5 | 21.6 | 0.150 |
| 43500.0 | 52370.0 | 0.570<br>12.45 | 236.3<br>4.85 | -20.2<br>17.30 | -0.15<br>TWO | 1.404<br>30.492 | 110.4<br>301.8 | 0.947<br>-25.0 | 16.104<br>69.6 | 318.1 | 536.1 | 0.861 | 31.347A | 1.89 | 0.066 | 139.5 | 45.0 | 21.8 | 0.149 |
| 43510.0 | 52370.0 | 0.503<br>10.82 | 236.2<br>4.84 | -20.4<br>15.66 | -0.20<br>TWO | 1.404<br>30.492 | 105.5<br>301.8 | 0.944<br>-25.0 | 16.149<br>69.2 | 328.1 | 535.9 | 0.911 | 31.386A | 1.95 | 0.068 | 139.1 | 45.4 | 22.0 | 0.148 |
| 43520.0 | 52370.0 | 0.447<br>9.50 | 233.8<br>4.84 | -20.3<br>14.34 | -0.31<br>TWO | 1.404<br>30.492 | 100.6<br>301.8 | 0.941<br>-25.0 | 16.183<br>68.8 | 338.1 | 535.7 | 0.949 | 31.418A | 2.07 | 0.068 | 138.8 | 45.7 | 22.1 | 0.147 |
| 43530.0 | 52370.0 | 0.408<br>8.61 | 228.6<br>4.83 | -20.6<br>13.44 | -0.73<br>TWO | 1.404<br>30.492 | 95.7<br>301.8 | 0.940<br>-25.0 | 16.207<br>68.6 | 348.2 | 535.6 | 0.974 | 31.439A | 2.50 | 0.069 | 138.6 | 45.8 | 22.3 | 0.147 |
| 43540.0 | 52370.0 | 0.391<br>8.24 | 224.8<br>4.83 | -9.6<br>13.08 | 1.98<br>ONE | 1.403<br>30.492 | 90.8<br>301.8 | 0.939<br>-25.0 | 16.218<br>68.5 | 358.3 | 535.6 | 0.985 | 31.451A | -0.21 | 0.069 | 138.6 | 46.3 | 21.6 | 0.146 |
| 43550.0 | 52370.0 | 0.395<br>8.34 | 216.2<br>4.83 | -12.8<br>13.17 | 0.42<br>ONE | 1.402<br>30.492 | 85.9<br>301.8 | 0.939<br>-25.0 | 16.217<br>68.5 | 8.5 | 175.6 | 0.982D | 31.453A | 1.36 | 0.069 | 138.7 | 46.1 | 22.1 | 0.147 |
| 43560.0 | 52370.0 | 0.426<br>9.01 | 210.2<br>4.84 | -11.5<br>13.84 | 0.24<br>ONE | 1.400<br>30.492 | 81.0<br>301.8 | 0.941<br>-25.0 | 16.204<br>68.6 | 18.6 | 175.7 | 0.964D | 31.445A | 1.55 | 0.069 | 138.9 | 46.0 | 22.1 | 0.147 |
| 43570.0 | 52370.0 | 0.475<br>10.14 | 206.7<br>4.84 | -10.5<br>14.99 | 0.17<br>ONE | 1.399<br>30.492 | 76.0<br>301.8 | 0.942<br>-25.0 | 16.180<br>68.8 | 28.8 | 175.8 | 0.932D | 31.429A | 1.63 | 0.068 | 139.2 | 45.8 | 22.0 | 0.148 |
| 43580.0 | 52370.0 | 0.539<br>11.67 | 205.3<br>4.85 | -10.1<br>16.52 | 0.14<br>ONE | 1.397<br>30.492 | 71.1<br>301.8 | 0.945<br>-25.0 | 16.145<br>69.1 | 38.9 | 175.9 | 0.887D | 31.404A | 1.67 | 0.067 | 139.7 | 45.5 | 21.9 | 0.148 |
| 43590.0 | 52370.0 | 0.611<br>13.49 | 205.8<br>4.86 | -10.4<br>18.35 | 0.12<br>ONE | 1.395<br>30.492 | 66.2<br>301.8 | 0.948<br>-25.0 | 16.101<br>69.5 | 49.1 | 176.1 | 0.829D | 31.373A | 1.70 | 0.066 | 140.3 | 45.1 | 21.8 | 0.150 |
| ARRIVAL DATE = 2452770.0 | | | | | | | | | | | | | | | | | | | |
| 43500.0 | 52770.0 | 0.581<br>12.73 | 237.8<br>4.82 | -20.2<br>17.55 | -0.03<br>TWO | 1.404<br>29.945 | 111.1<br>304.3 | 0.946<br>-24.4 | 15.847<br>73.5 | 316.5 | 536.9 | 0.852 | 30.842A | 1.80 | 0.058 | 132.8 | 43.4 | 21.2 | 0.145 |
| 43510.0 | 52770.0 | 0.513<br>11.04 | 238.1<br>4.81 | -20.3<br>15.86 | -0.04<br>TWO | 1.404<br>29.945 | 106.2<br>304.3 | 0.943<br>-24.4 | 15.888<br>73.2 | 326.6 | 536.8 | 0.904 | 30.872A | 1.81 | 0.060 | 132.4 | 43.8 | 21.4 | 0.144 |
| 43520.0 | 52770.0 | 0.455<br>9.67 | 236.1<br>4.81 | -20.0<br>14.48 | -0.06<br>TWO | 1.404<br>29.945 | 101.3<br>304.3 | 0.941<br>-24.4 | 15.920<br>72.8 | 336.6 | 536.6 | 0.944 | 30.895A | 1.83 | 0.061 | 132.2 | 44.1 | 21.5 | 0.144 |
| 43530.0 | 52770.0 | 0.412<br>8.76 | 231.6<br>4.80 | -19.2<br>13.50 | -0.12<br>TWO | 1.403<br>29.945 | 96.4<br>304.3 | 0.939<br>-24.4 | 15.942<br>72.6 | 346.7 | 536.5 | 0.971 | 30.912A | 1.89 | 0.061 | 132.1 | 44.3 | 21.6 | 0.143 |
| 43540.0 | 52770.0 | 0.396<br>8.36 | 228.7<br>4.80 | -5.4<br>13.16 | 3.41<br>ONE | 1.403<br>29.945 | 91.5<br>304.3 | 0.938<br>-24.4 | 15.953<br>72.5 | 356.9 | 536.5 | 0.985 | 30.922A | -1.64 | 0.062 | 132.0 | 44.8 | 20.6 | 0.143 |
| 43550.0 | 52770.0 | 0.392<br>8.27 | 218.3<br>4.80 | -14.6<br>13.08 | 0.11<br>ONE | 1.401<br>29.945 | 86.6<br>304.3 | 0.938<br>-24.4 | 15.954<br>72.5 | 7.0 | 176.5 | 0.983D | 30.924A | 1.66 | 0.062 | 132.1 | 44.4 | 21.6 | 0.143 |
| 43560.0 | 52770.0 | 0.419<br>8.86 | 212.2<br>4.80 | -12.8<br>13.67 | 0.06<br>ONE | 1.400<br>29.945 | 81.7<br>304.3 | 0.939<br>-24.4 | 15.944<br>72.6 | 17.1 | 176.5 | 0.968D | 30.920A | 1.72 | 0.062 | 132.2 | 44.3 | 21.6 | 0.143 |
| 43570.0 | 52770.0 | 0.466<br>9.93 | 208.4<br>4.81 | -11.5<br>14.74 | 0.04<br>ONE | 1.398<br>29.945 | 76.8<br>304.3 | 0.941<br>-24.4 | 15.923<br>72.7 | 27.3 | 176.6 | 0.938D | 30.908A | 1.74 | 0.061 | 132.5 | 44.2 | 21.5 | 0.144 |
| 43580.0 | 52770.0 | 0.528<br>11.40 | 206.8<br>4.82 | -11.0<br>16.22 | 0.03<br>ONE | 1.396<br>29.945 | 71.9<br>304.3 | 0.944<br>-24.4 | 15.893<br>74.0 | 37.4 | 176.7 | 0.895D | 30.891A | 1.75 | 0.060 | 132.9 | 43.9 | 21.4 | 0.145 |
| 43590.0 | 52770.0 | 0.599<br>13.17 | 207.1<br>4.83 | -11.1<br>18.00 | 0.03<br>ONE | 1.394<br>29.945 | 66.9<br>304.3 | 0.947<br>-24.4 | 15.854<br>73.3 | 47.5 | 176.9 | 0.839D | 30.869A | 1.76 | 0.059 | 133.5 | 43.6 | 21.3 | 0.146 |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / TFG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2453170.0 | | | | | | | | | | | |
| 43500.0 | 53170.0 | 0.593 | 239.4 | -20.3 | 0.38 | 1.403 | 111.9 | 0.946 | 15.666 | 314.9 | 537.7 | 0.843 | 30.489A | 1.72 | 0.052 | 124.9 | 41.9 | 20.7 | 0.143 |
| | | 13.02 | 4.80 | 17.83 | TWO | 29.431 | 306.8 | -23.7 | 77.4 | | | | | | | | | | |
| 43510.0 | 53170.0 | 0.523 | 240.0 | -20.3 | 0.10 | 1.404 | 107.0 | 0.943 | 15.704 | 325.0 | 537.6 | 0.897 | 30.511A | 1.69 | 0.053 | 124.7 | 42.3 | 20.9 | 0.142 |
| | | 11.29 | 4.79 | 16.09 | TWO | 29.431 | 306.8 | -23.7 | 77.0 | | | | | | | | | | |
| 43520.0 | 53170.0 | 0.463 | 238.4 | -19.8 | 0.14 | 1.404 | 102.1 | 0.940 | 15.734 | 335.1 | 537.5 | 0.939 | 30.528A | 1.64 | 0.055 | 124.6 | 42.6 | 21.0 | 0.141 |
| | | 9.86 | 4.79 | 14.65 | TWO | 29.431 | 306.8 | -23.7 | 76.7 | | | | | | | | | | |
| 43530.0 | 53170.0 | 0.417 | 234.4 | -18.6 | 0.25 | 1.403 | 97.2 | 0.939 | 15.755 | 345.2 | 537.4 | 0.968 | 30.541A | 1.53 | 0.055 | 124.5 | 42.8 | 21.0 | 0.141 |
| | | 8.82 | 4.78 | 13.60 | TWO | 29.431 | 306.8 | -23.7 | 76.5 | | | | | | | | | | |
| 43540.0 | 53170.0 | 0.393 | 229.4 | -12.7 | 1.49 | 1.402 | 92.3 | 0.938 | 15.766 | 355.3 | 537.3 | 0.984 | 30.548A | 0.28 | 0.056 | 124.5 | 43.1 | 20.7 | 0.140 |
| | | 8.28 | 4.78 | 13.06 | TWO | 29.431 | 306.8 | -23.7 | 76.4 | | | | | | | | | | |
| 43550.0 | 53170.0 | 0.390 | 220.4 | -17.1 | -0.38 | 1.401 | 87.4 | 0.938 | 15.768 | 5.4 | 177.3 | 0.985D | 30.551A | 2.15 | 0.056 | 124.5 | 42.9 | 21.3 | 0.140 |
| | | 8.23 | 4.78 | 13.01 | ONE | 29.431 | 306.8 | -23.7 | 76.3 | | | | | | | | | | |
| 43560.0 | 53170.0 | 0.413 | 214.3 | -14.4 | -0.17 | 1.400 | 82.5 | 0.938 | 15.769 | 15.5 | 177.4 | 0.971D | 30.548A | 1.93 | 0.055 | 124.6 | 42.9 | 21.2 | 0.141 |
| | | 8.73 | 4.78 | 13.51 | ONE | 29.431 | 306.8 | -23.7 | 76.4 | | | | | | | | | | |
| 43570.0 | 53170.0 | 0.457 | 210.2 | -12.7 | -0.11 | 1.398 | 77.6 | 0.940 | 15.742 | 25.7 | 177.4 | 0.944D | 30.541A | 1.87 | 0.055 | 124.8 | 42.8 | 21.1 | 0.141 |
| | | 9.73 | 4.79 | 14.51 | ONE | 29.431 | 306.8 | -23.7 | 76.5 | | | | | | | | | | |
| 43580.0 | 53170.0 | 0.517 | 208.3 | -11.9 | -0.09 | 1.396 | 72.7 | 0.943 | 15.716 | 35.8 | 177.5 | 0.903D | 30.529A | 1.84 | 0.054 | 125.1 | 42.5 | 21.0 | 0.142 |
| | | 11.13 | 4.79 | 15.93 | ONE | 29.431 | 306.8 | -23.7 | 76.8 | | | | | | | | | | |
| 43590.0 | 53170.0 | 0.586 | 208.4 | -11.8 | -0.07 | 1.394 | 67.8 | 0.946 | 15.682 | 45.8 | 177.6 | 0.850D | 30.514A | 1.82 | 0.053 | 125.5 | 42.3 | 20.9 | 0.143 |
| | | 12.85 | 4.80 | 17.66 | ONE | 29.431 | 306.8 | -23.7 | 77.0 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2453570.0 | | | | | | | | | | | |
| 43500.0 | 53570.0 | 0.605 | 241.0 | -20.4 | 0.18 | 1.403 | 112.7 | 0.946 | 15.543 | 313.3 | 538.4 | 0.833 | 30.253A | 1.64 | 0.047 | 115.9 | 40.7 | 20.2 | 0.142 |
| | | 13.34 | 4.79 | 18.13 | TWO | 29.098 | 309.3 | -23.0 | 81.0 | | | | | | | | | | |
| 43510.0 | 53570.0 | 0.534 | 241.8 | -20.4 | 0.22 | 1.403 | 107.8 | 0.943 | 15.578 | 323.3 | 538.3 | 0.889 | 30.267A | 1.59 | 0.049 | 115.9 | 41.0 | 20.4 | 0.141 |
| | | 11.56 | 4.78 | 16.34 | TWO | 29.098 | 309.3 | -23.0 | 80.7 | | | | | | | | | | |
| 43520.0 | 53570.0 | 0.472 | 240.7 | -19.8 | 0.30 | 1.403 | 102.9 | 0.940 | 15.606 | 333.4 | 538.2 | 0.933 | 30.279A | 1.49 | 0.050 | 115.9 | 41.3 | 20.5 | 0.140 |
| | | 10.07 | 4.77 | 14.84 | TWO | 29.098 | 309.3 | -23.0 | 80.4 | | | | | | | | | | |
| 43530.0 | 53570.0 | 0.424 | 237.2 | -18.3 | 0.50 | 1.403 | 98.0 | 0.938 | 15.626 | 343.6 | 538.1 | 0.965 | 30.288A | 1.28 | 0.051 | 116.0 | 41.6 | 20.5 | 0.139 |
| | | 8.96 | 4.77 | 13.73 | TWO | 29.098 | 309.3 | -23.0 | 80.2 | | | | | | | | | | |
| 43540.0 | 53570.0 | 0.396 | 232.3 | -12.9 | 1.65 | 1.402 | 93.1 | 0.937 | 15.638 | 353.7 | 538.1 | 0.982 | 30.294A | 0.13 | 0.051 | 116.0 | 41.8 | 20.2 | 0.139 |
| | | 8.34 | 4.76 | 13.11 | TWO | 29.098 | 309.3 | -23.0 | 80.0 | | | | | | | | | | |
| 43550.0 | 53570.0 | 0.390 | 222.2 | -21.1 | -1.28 | 1.401 | 88.2 | 0.937 | 15.641 | 3.8 | 178.1 | 0.986D | 30.296A | 3.04 | 0.051 | 116.1 | 41.5 | 21.1 | 0.139 |
| | | 8.21 | 4.76 | 12.97 | ONE | 29.098 | 309.3 | -23.0 | 80.0 | | | | | | | | | | |
| 43560.0 | 53570.0 | 0.408 | 216.5 | -16.2 | -0.47 | 1.399 | 83.3 | 0.938 | 15.635 | 13.9 | 178.1 | 0.975D | 30.295A | 2.22 | 0.051 | 116.1 | 41.6 | 20.8 | 0.139 |
| | | 8.61 | 4.77 | 13.38 | ONE | 29.098 | 309.3 | -23.0 | 80.0 | | | | | | | | | | |
| 43570.0 | 53570.0 | 0.449 | 212.2 | -14.0 | -0.29 | 1.398 | 78.4 | 0.939 | 15.620 | 24.0 | 178.2 | 0.950D | 30.290A | 2.03 | 0.050 | 116.2 | 41.5 | 20.7 | 0.139 |
| | | 9.53 | 4.77 | 14.30 | ONE | 29.098 | 309.3 | -23.0 | 80.2 | | | | | | | | | | |
| 43580.0 | 53570.0 | 0.506 | 210.0 | -12.9 | -0.22 | 1.396 | 73.5 | 0.942 | 15.597 | 34.1 | 178.2 | 0.911D | 30.283A | 1.95 | 0.049 | 116.4 | 41.3 | 20.6 | 0.140 |
| | | 10.87 | 4.78 | 15.65 | ONE | 29.098 | 309.3 | -23.0 | 80.3 | | | | | | | | | | |
| 43590.0 | 53570.0 | 0.574 | 209.8 | -12.6 | -0.18 | 1.394 | 68.6 | 0.945 | 15.567 | 44.1 | 178.3 | 0.860D | 30.273A | 1.89 | 0.048 | 116.6 | 41.1 | 20.5 | 0.141 |
| | | 12.53 | 4.79 | 17.32 | ONE | 29.098 | 309.3 | -23.0 | 80.6 | | | | | | | | | | |
| 43600.0 | 53570.0 | 0.649 | 211.2 | -13.0 | -0.15 | 1.392 | 63.7 | 0.949 | 15.530 | 54.1 | 178.4 | 0.798D | 30.262A | 1.86 | 0.047 | 116.9 | 40.8 | 20.3 | 0.143 |
| | | 14.45 | 4.80 | 19.25 | ONE | 29.098 | 309.3 | -23.0 | 80.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2453970.0 | | | | | | | | | | | |
| 43500.0 | 53970.0 | 0.619 | 242.6 | -20.5 | 0.27 | 1.403 | 113.5 | 0.947 | 15.469 | 311.5 | 539.1 | 0.822 | 30.108A | 1.58 | 0.044 | 105.9 | 39.7 | 19.8 | 0.141 |
| | | 13.68 | 4.78 | 18.46 | TWO | 29.046 | 311.8 | -22.3 | 84.5 | | | | | | | | | | |
| 43510.0 | 53970.0 | 0.546 | 243.7 | -20.4 | 0.33 | 1.403 | 108.6 | 0.943 | 15.498 | 321.6 | 539.0 | 0.880 | 30.117A | 1.50 | 0.045 | 106.2 | 40.0 | 20.0 | 0.140 |
| | | 11.85 | 4.77 | 16.63 | TWO | 29.046 | 311.8 | -22.3 | 84.1 | | | | | | | | | | |
| 43520.0 | 53970.0 | 0.482 | 242.9 | -19.9 | 0.44 | 1.403 | 103.7 | 0.940 | 15.525 | 331.7 | 538.9 | 0.927 | 30.124A | 1.37 | 0.047 | 106.5 | 40.3 | 20.0 | 0.139 |
| | | 10.30 | 4.77 | 15.07 | TWO | 29.046 | 311.8 | -22.3 | 83.9 | | | | | | | | | | |
| 43530.0 | 53970.0 | 0.431 | 239.9 | -18.3 | 0.69 | 1.403 | 98.8 | 0.938 | 15.545 | 341.9 | 538.9 | 0.960 | 30.129A | 1.10 | 0.047 | 106.7 | 40.5 | 20.0 | 0.138 |
| | | 9.12 | 4.76 | 13.88 | TWO | 29.046 | 311.8 | -22.3 | 83.7 | | | | | | | | | | |
| 43540.0 | 53970.0 | 0.399 | 235.1 | -13.5 | 1.69 | 1.402 | 93.9 | 0.937 | 15.557 | 352.0 | 538.8 | 0.981 | 30.133A | 0.08 | 0.048 | 106.9 | 40.8 | 19.8 | 0.138 |
| | | 8.42 | 4.76 | 13.17 | TWO | 29.046 | 311.8 | -22.3 | 83.5 | | | | | | | | | | |
| 43550.0 | 53970.0 | 0.394 | 222.6 | -29.4 | -3.48 | 1.401 | 89.0 | 0.937 | 15.560 | 2.1 | 178.8 | 0.987D | 30.134A | 5.24 | 0.048 | 106.9 | 40.1 | 21.4 | 0.138 |
| | | 8.31 | 4.76 | 13.07 | ONE | 29.046 | 311.8 | -22.3 | 83.5 | | | | | | | | | | |
| 43560.0 | 53970.0 | 0.403 | 218.8 | -18.4 | -0.87 | 1.399 | 84.1 | 0.937 | 15.556 | 12.2 | 178.8 | 0.978D | 30.134A | 2.61 | 0.048 | 107.0 | 40.5 | 20.6 | 0.138 |
| | | 8.51 | 4.76 | 13.27 | ONE | 29.046 | 311.8 | -22.3 | 83.5 | | | | | | | | | | |
| 43570.0 | 53970.0 | 0.440 | 214.2 | -15.4 | -0.50 | 1.398 | 79.2 | 0.939 | 15.543 | 22.3 | 178.9 | 0.955D | 30.132A | 2.23 | 0.047 | 107.0 | 40.4 | 20.4 | 0.138 |
| | | 9.34 | 4.76 | 14.10 | ONE | 29.046 | 311.8 | -22.3 | 83.6 | | | | | | | | | | |
| 43580.0 | 53970.0 | 0.495 | 211.8 | -13.9 | -0.36 | 1.396 | 74.3 | 0.941 | 15.523 | 32.4 | 178.9 | 0.919D | 30.128A | 2.07 | 0.046 | 106.9 | 40.3 | 20.3 | 0.139 |
| | | 10.61 | 4.77 | 15.38 | ONE | 29.046 | 311.8 | -22.3 | 83.8 | | | | | | | | | | |

1977
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43590.0 | 53970.0 | 0.561<br>12.22 | 211.3<br>4.78 | -13.4<br>17.00 | -0.29<br>ONE | 1.394<br>29.046 | 69.5<br>311.8 | 0.944<br>-22.3 | 15.496<br>84.0 | 42.4 | 179.0 | 0.8700 | 30.122A | 1.97 | 0.045 | 106.9 | 40.1 | 20.2 | 0.140 |
| 43600.0 | 53970.0 | 0.635<br>14.09 | 212.5<br>4.79 | -13.7<br>18.88 | -0.25<br>ONE | 1.392<br>29.046 | 64.6<br>311.8 | 0.948<br>-22.3 | 15.463<br>84.2 | 52.4 | 179.0 | 0.8100 | 30.116A | 1.91 | 0.044 | 106.8 | 39.9 | 20.0 | 0.141 |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2445740.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2445940.0 | | | | | | | | | | |
| 43900.0 | 45940.0 | 0.649 | 243.3 | -16.2 | 2.01 | 1.612 | 100.8 | 1.544 | -1.758 | 342.2 | 486.6 | 0.956 | NA | -0.30 | 0.797 | 176.3 | 68.6 | 27.1 | 0.807 |
| | | 14.45 | 17.86 | 32.31 | ONE | 29.806 | 259.0 | -28.4 | 9.3 | | | | | | | | | | |
| 43910.0 | 45940.0 | 0.613 | 239.0 | -16.0 | 1.63 | 1.613 | 95.1 | 1.561 | -1.746 | 351.7 | 496.0 | 0.980 | NA | 0.19 | 0.799 | 176.2 | 68.7 | 27.1 | 0.809 |
| | | 13.52 | 17.91 | 31.44 | ONE | 29.806 | 259.0 | -28.4 | 9.2 | | | | | | | | | | |
| 43920.0 | 45940.0 | 0.601 | 233.1 | -15.2 | 1.41 | 1.613 | 89.0 | 1.569 | -1.737 | 1.6 | 125.7 | 0.988D | NA | 0.54 | 0.801 | 176.2 | 68.8 | 27.2 | 0.811 |
| | | 13.23 | 17.96 | 31.19 | ONE | 29.806 | 259.0 | -28.4 | 9.1 | | | | | | | | | | |
| 43930.0 | 45940.0 | 0.619 | 226.8 | -14.1 | 1.28 | 1.612 | 82.8 | 1.565 | -1.730 | 11.8 | 125.9 | 0.977D | NA | 0.81 | 0.803 | 176.3 | 68.7 | 27.2 | 0.812 |
| | | 13.69 | 18.00 | 31.70 | ONE | 29.806 | 259.0 | -28.4 | 9.1 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446140.0 | | | | | | | | | | |
| 43890.0 | 46140.0 | 0.646 | 243.0 | -14.5 | 2.78 | 1.573 | 104.5 | 1.410 | -2.271 | 335.3 | 491.0 | 0.931 | NA | -1.18 | 0.712 | 176.0 | 68.6 | 27.0 | 0.723 |
| | | 14.39 | 15.75 | 30.14 | ONE | 30.366 | 260.3 | -28.5 | 10.5 | | | | | | | | | | |
| 43900.0 | 46140.0 | 0.597 | 239.9 | -15.2 | 2.32 | 1.573 | 99.0 | 1.428 | -2.253 | 344.7 | 490.3 | 0.964 | NA | -0.31 | 0.714 | 175.9 | 68.7 | 27.1 | 0.725 |
| | | 13.12 | 15.80 | 28.92 | ONE | 30.366 | 260.3 | -28.5 | 10.4 | | | | | | | | | | |
| 43910.0 | 46140.0 | 0.567 | 234.9 | -14.9 | 1.63 | 1.573 | 93.3 | 1.439 | -2.240 | 354.3 | 489.8 | 0.983 | NA | 0.20 | 0.716 | 175.9 | 68.8 | 27.1 | 0.727 |
| | | 12.36 | 15.84 | 28.21 | ONE | 30.366 | 260.3 | -28.5 | 10.3 | | | | | | | | | | |
| 43920.0 | 46140.0 | 0.563 | 228.6 | -14.0 | 1.40 | 1.573 | 87.4 | 1.442 | -2.229 | 4.3 | 129.7 | 0.986D | NA | 0.55 | 0.717 | 175.9 | 68.8 | 27.2 | 0.728 |
| | | 12.27 | 15.88 | 28.14 | ONE | 30.366 | 260.3 | -28.5 | 10.3 | | | | | | | | | | |
| 43930.0 | 46140.0 | 0.588 | 222.3 | -12.8 | 1.26 | 1.572 | 81.4 | 1.437 | -2.222 | 14.6 | 129.9 | 0.971D | NA | 0.82 | 0.718 | 175.9 | 68.8 | 27.2 | 0.730 |
| | | 12.91 | 15.91 | 28.81 | ONE | 30.366 | 260.3 | -28.5 | 10.3 | | | | | | | | | | |
| 43940.0 | 46140.0 | 0.642 | 217.2 | -11.8 | 1.18 | 1.570 | 75.1 | 1.422 | -2.217 | 25.3 | 130.6 | 0.936D | NA | 1.05 | 0.719 | 176.0 | 68.7 | 27.2 | 0.731 |
| | | 14.28 | 15.93 | 30.21 | ONE | 30.366 | 260.3 | -28.5 | 10.4 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446340.0 | | | | | | | | | | |
| 43890.0 | 46340.0 | 0.602 | 240.5 | -13.4 | 2.84 | 1.543 | 102.9 | 1.326 | -2.883 | 337.4 | 494.4 | 0.941 | NA | -1.24 | 0.643 | 175.6 | 68.6 | 27.0 | 0.655 |
| | | 13.25 | 14.09 | 27.34 | ONE | 30.339 | 261.7 | -28.5 | 11.7 | | | | | | | | | | |
| 43900.0 | 46340.0 | 0.556 | 236.8 | -14.2 | 2.03 | 1.543 | 97.5 | 1.339 | -2.863 | 346.9 | 493.7 | 0.970 | NA | -0.32 | 0.645 | 175.6 | 68.7 | 27.1 | 0.657 |
| | | 12.11 | 14.13 | 26.24 | ONE | 30.339 | 261.7 | -28.5 | 11.5 | | | | | | | | | | |
| 43910.0 | 46340.0 | 0.532 | 231.2 | -13.8 | 1.62 | 1.543 | 91.9 | 1.346 | -2.847 | 356.7 | 493.3 | 0.985 | NA | 0.20 | 0.646 | 175.5 | 68.8 | 27.1 | 0.658 |
| | | 11.52 | 14.16 | 25.68 | ONE | 30.339 | 261.7 | -28.5 | 11.5 | | | | | | | | | | |
| 43920.0 | 46340.0 | 0.535 | 224.6 | -12.8 | 1.39 | 1.542 | 86.1 | 1.347 | -2.836 | 6.8 | 133.3 | 0.984D | NA | 0.56 | 0.647 | 175.5 | 68.8 | 27.2 | 0.660 |
| | | 11.58 | 14.19 | 25.77 | ONE | 30.339 | 261.7 | -28.5 | 11.5 | | | | | | | | | | |
| 43930.0 | 46340.0 | 0.567 | 218.5 | -11.6 | 1.24 | 1.541 | 80.1 | 1.341 | -2.828 | 17.2 | 133.6 | 0.965D | NA | 0.83 | 0.648 | 175.6 | 68.7 | 27.2 | 0.660 |
| | | 12.37 | 14.21 | 26.58 | ONE | 30.339 | 261.7 | -28.5 | 11.5 | | | | | | | | | | |
| 43940.0 | 46340.0 | 0.625 | 213.8 | -10.7 | 1.16 | 1.539 | 74.0 | 1.328 | -2.824 | 28.0 | 134.4 | 0.926D | NA | 1.05 | 0.648 | 175.7 | 68.6 | 27.2 | 0.661 |
| | | 13.84 | 14.23 | 28.07 | ONE | 30.339 | 261.7 | -28.5 | 11.6 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446540.0 | | | | | | | | | | |
| 43880.0 | 46540.0 | 0.629 | 241.1 | -8.1 | 5.35 | 1.519 | 106.7 | 1.248 | -3.674 | 330.1 | 498.3 | 0.910 | NA | -3.84 | 0.582 | 175.3 | 68.5 | 26.8 | 0.596 |
| | | 13.93 | 12.69 | 26.62 | ONE | 29.812 | 263.0 | -28.6 | 13.0 | | | | | | | | | | |
| 43890.0 | 46540.0 | 0.567 | 238.2 | -12.4 | 2.91 | 1.519 | 101.5 | 1.260 | -3.642 | 339.4 | 497.5 | 0.948 | NA | -1.30 | 0.584 | 175.2 | 68.6 | 27.0 | 0.598 |
| | | 12.37 | 12.73 | 25.10 | ONE | 29.812 | 263.0 | -28.6 | 12.8 | | | | | | | | | | |
| 43900.0 | 46540.0 | 0.525 | 233.8 | -13.2 | 2.04 | 1.519 | 96.2 | 1.269 | -3.617 | 348.9 | 496.9 | 0.974 | NA | -0.33 | 0.585 | 175.2 | 68.7 | 27.1 | 0.599 |
| | | 11.34 | 12.76 | 24.10 | ONE | 29.812 | 263.0 | -28.6 | 12.7 | | | | | | | | | | |
| 43910.0 | 46540.0 | 0.506 | 227.8 | -12.8 | 1.62 | 1.519 | 90.7 | 1.274 | -3.599 | 358.8 | 496.6 | 0.986 | NA | 0.21 | 0.587 | 175.2 | 68.7 | 27.1 | 0.600 |
| | | 10.89 | 12.79 | 23.67 | ONE | 29.812 | 263.0 | -28.6 | 12.7 | | | | | | | | | | |
| 43920.0 | 46540.0 | 0.515 | 221.1 | -11.7 | 1.37 | 1.518 | 85.0 | 1.274 | -3.586 | 9.0 | 136.7 | 0.981D | NA | 0.57 | 0.587 | 175.2 | 68.7 | 27.2 | 0.601 |
| | | 11.10 | 12.81 | 23.90 | ONE | 29.812 | 263.0 | -28.6 | 12.7 | | | | | | | | | | |
| 43930.0 | 46540.0 | 0.552 | 215.2 | -10.5 | 1.22 | 1.516 | 79.1 | 1.268 | -3.579 | 19.4 | 137.1 | 0.958D | NA | 0.84 | 0.588 | 175.2 | 68.7 | 27.2 | 0.602 |
| | | 12.00 | 12.82 | 24.82 | ONE | 29.812 | 263.0 | -28.6 | 12.7 | | | | | | | | | | |
| 43940.0 | 46540.0 | 0.614 | 210.9 | -9.7 | 1.14 | 1.515 | 73.1 | 1.256 | -3.577 | 30.3 | 137.9 | 0.917D | NA | 1.06 | 0.588 | 175.4 | 68.6 | 27.2 | 0.602 |
| | | 13.55 | 12.83 | 26.38 | ONE | 29.812 | 263.0 | -28.6 | 12.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446740.0 | | | | | | | | | | |
| 43880.0 | 46740.0 | 0.606 | 239.7 | -8.2 | 5.79 | 1.500 | 105.5 | 1.198 | -4.602 | 331.7 | 501.1 | 0.919 | NA | -4.26 | 0.531 | 174.9 | 68.4 | 26.7 | 0.547 |
| | | 13.19 | 11.57 | 24.76 | ONE | 30.835 | 264.4 | -28.7 | 14.2 | | | | | | | | | | |
| 43890.0 | 46740.0 | 0.539 | 236.1 | -11.4 | 2.99 | 1.500 | 100.4 | 1.208 | -4.592 | 341.1 | 500.4 | 0.955 | NA | -1.37 | 0.533 | 174.8 | 68.5 | 27.0 | 0.548 |
| | | 11.67 | 11.60 | 23.27 | ONE | 30.835 | 264.4 | -28.7 | 14.1 | | | | | | | | | | |
| 43900.0 | 46740.0 | 0.501 | 231.2 | -12.3 | 2.06 | 1.500 | 95.1 | 1.214 | -4.562 | 350.7 | 499.9 | 0.978 | NA | -0.34 | 0.534 | 174.8 | 68.6 | 27.1 | 0.549 |
| | | 10.75 | 11.62 | 22.37 | ONE | 30.835 | 264.4 | -28.7 | 14.0 | | | | | | | | | | |
| 43910.0 | 46740.0 | 0.487 | 224.8 | -11.8 | 1.61 | 1.500 | 89.6 | 1.217 | -4.540 | 0.7 | 139.7 | 0.986D | NA | 0.21 | 0.535 | 174.8 | 68.7 | 27.1 | 0.550 |
| | | 10.42 | 11.64 | 22.06 | ONE | 30.835 | 264.4 | -28.7 | 13.9 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43920.0 | 46740.0 | 0.500<br>10.74 | 218.1<br>11.66 | -10.7<br>22.40 | 1.36<br>ONE | 1.499<br>30.835 | 84.0<br>264.4 | 1.216<br>-28.7 | -4.527<br>13.9 | 10.9 | 139.8 | 0.978D | NA | 0.57 | 0.536 | 174.8 | 68.7 | 27.2 | 0.551 |
| 43930.0 | 46740.0 | 0.541<br>11.74 | 212.4<br>11.67 | -9.6<br>23.41 | 1.20<br>ONE | 1.497<br>30.835 | 78.3<br>264.4 | 1.211<br>-28.7 | -4.521<br>14.0 | 21.4 | 140.2 | 0.953D | NA | 0.85 | 0.536 | 174.9 | 68.6 | 27.2 | 0.552 |
| 43940.0 | 46740.0 | 0.606<br>13.35 | 208.5<br>11.68 | -8.9<br>25.03 | 1.11<br>ONE | 1.496<br>30.835 | 72.4<br>264.4 | 1.201<br>-28.7 | -4.521<br>14.1 | 32.3 | 141.0 | 0.909D | NA | 1.07 | 0.536 | 175.0 | 68.5 | 27.2 | 0.552 |
| ARRIVAL DATE = 2446940.0 | | | | | | | | | | | | | | | | | | | |
| 43880.0 | 46940.0 | 0.577<br>12.63 | 238.7<br>10.63 | -4.0<br>23.26 | 6.33<br>ONE | 1.485<br>29.378 | 104.5<br>265.7 | 1.158<br>-28.7 | -5.870<br>15.5 | 333.1 | 503.7 | 0.926 | NA | -4.80 | 0.487 | 174.5 | 68.3 | 26.6 | 0.504 |
| 43890.0 | 46940.0 | 0.516<br>11.12 | 234.2<br>10.65 | -10.4<br>21.77 | 3.07<br>ONE | 1.485<br>29.378 | 99.4<br>265.7 | 1.165<br>-28.7 | -5.799<br>15.3 | 342.5 | 503.0 | 0.959 | NA | -1.45 | 0.488 | 174.4 | 68.5 | 26.9 | 0.505 |
| 43900.0 | 46940.0 | 0.481<br>10.29 | 228.8<br>10.67 | -11.5<br>20.96 | 2.07<br>ONE | 1.485<br>29.378 | 94.2<br>265.7 | 1.170<br>-28.7 | -5.761<br>15.3 | 352.3 | 502.6 | 0.980 | NA | -0.35 | 0.490 | 174.3 | 68.5 | 27.1 | 0.506 |
| 43910.0 | 46940.0 | 0.472<br>10.06 | 222.2<br>10.69 | -11.0<br>20.75 | 1.60<br>ONE | 1.484<br>29.378 | 88.8<br>265.7 | 1.172<br>-28.7 | -5.736<br>15.2 | 2.3 | 142.5 | 0.986D | NA | 0.22 | 0.490 | 174.3 | 68.6 | 27.1 | 0.507 |
| 43920.0 | 46940.0 | 0.489<br>10.48 | 215.5<br>10.70 | -9.9<br>21.18 | 1.34<br>ONE | 1.483<br>29.378 | 83.2<br>265.7 | 1.170<br>-28.7 | -5.721<br>15.2 | 12.5 | 142.6 | 0.975D | NA | 0.58 | 0.491 | 174.4 | 68.5 | 27.2 | 0.508 |
| 43930.0 | 46940.0 | 0.534<br>11.55 | 210.0<br>10.71 | -8.8<br>22.26 | 1.18<br>ONE | 1.482<br>29.378 | 77.6<br>265.7 | 1.166<br>-28.7 | -5.717<br>15.3 | 23.1 | 143.1 | 0.947D | NA | 0.86 | 0.491 | 174.5 | 68.5 | 27.2 | 0.508 |
| 43940.0 | 46940.0 | 0.606<br>13.21 | 206.6<br>10.71 | -8.2<br>23.92 | 1.09<br>ONE | 1.480<br>29.378 | 71.7<br>265.7 | 1.158<br>-28.7 | -5.722<br>15.4 | 34.0 | 143.9 | 0.902D | NA | 1.07 | 0.491 | 174.6 | 68.3 | 27.2 | 0.508 |
| ARRIVAL DATE = 2447140.0 | | | | | | | | | | | | | | | | | | | |
| 43880.0 | 47140.0 | 0.561<br>12.22 | 238.0<br>9.83 | -1.6<br>22.05 | 7.02<br>ONE | 1.473<br>31.140 | 103.6<br>267.1 | 1.125<br>-28.8 | -7.432<br>16.8 | 334.3 | 506.1 | 0.932 | NA | -5.48 | 0.448 | 174.0 | 68.2 | 26.5 | 0.467 |
| 43890.0 | 47140.0 | 0.498<br>10.68 | 232.6<br>9.85 | -9.4<br>20.54 | 3.17<br>ONE | 1.473<br>31.140 | 98.6<br>267.1 | 1.131<br>-28.8 | -7.365<br>16.7 | 343.8 | 505.5 | 0.963 | NA | -1.54 | 0.449 | 173.9 | 68.3 | 26.9 | 0.468 |
| 43900.0 | 47140.0 | 0.466<br>9.93 | 226.8<br>9.87 | -10.7<br>19.80 | 2.09<br>ONE | 1.472<br>31.140 | 93.4<br>267.1 | 1.134<br>-28.8 | -7.316<br>16.6 | 353.6 | 505.1 | 0.981 | NA | -0.37 | 0.450 | 173.9 | 68.4 | 27.0 | 0.469 |
| 43910.0 | 47140.0 | 0.460<br>9.79 | 219.9<br>9.88 | -10.2<br>19.67 | 1.59<br>ONE | 1.472<br>31.140 | 88.0<br>267.1 | 1.135<br>-28.8 | -7.285<br>16.5 | 3.7 | 145.0 | 0.985D | NA | 0.22 | 0.451 | 173.9 | 68.4 | 27.1 | 0.469 |
| 43920.0 | 47140.0 | 0.481<br>10.29 | 213.2<br>9.89 | -9.1<br>20.18 | 1.32<br>ONE | 1.470<br>31.140 | 82.6<br>267.1 | 1.134<br>-28.8 | -7.270<br>16.6 | 14.0 | 145.2 | 0.972D | NA | 0.59 | 0.451 | 173.9 | 68.4 | 27.1 | 0.470 |
| 43930.0 | 47140.0 | 0.528<br>11.42 | 208.1<br>9.90 | -8.2<br>21.31 | 1.16<br>ONE | 1.469<br>31.140 | 77.0<br>267.1 | 1.130<br>-28.8 | -7.269<br>16.6 | 24.6 | 145.7 | 0.942D | NA | 0.87 | 0.451 | 174.0 | 68.3 | 27.1 | 0.470 |
| 43940.0 | 47140.0 | 0.596<br>13.10 | 204.9<br>9.90 | -7.7<br>23.00 | 1.07<br>ONE | 1.467<br>31.140 | 71.2<br>267.1 | 1.123<br>-28.8 | -7.281<br>16.8 | 35.4 | 146.6 | 0.895D | NA | 1.08 | 0.451 | 174.2 | 68.1 | 27.1 | 0.470 |
| ARRIVAL DATE = 2447340.0 | | | | | | | | | | | | | | | | | | | |
| 43880.0 | 47340.0 | 0.550<br>11.94 | 237.6<br>9.16 | 1.4<br>21.10 | 7.95<br>ONE | 1.462<br>29.192 | 102.9<br>268.4 | 1.098<br>-28.8 | -9.543<br>18.2 | 335.4 | 508.4 | 0.936 | NA | -6.41 | 0.414 | 173.6 | 68.0 | 26.3 | 0.434 |
| 43890.0 | 47340.0 | 0.483<br>10.33 | 231.2<br>9.18 | -8.5<br>19.51 | 3.28<br>ONE | 1.463<br>29.192 | 97.9<br>268.4 | 1.102<br>-28.8 | -9.452<br>18.0 | 344.9 | 507.8 | 0.966 | NA | -1.64 | 0.415 | 173.5 | 68.1 | 26.9 | 0.435 |
| 43900.0 | 47340.0 | 0.454<br>9.64 | 225.0<br>9.19 | -10.0<br>18.83 | 2.10<br>ONE | 1.462<br>29.192 | 92.7<br>268.4 | 1.105<br>-28.8 | -9.387<br>17.9 | 354.8 | 507.5 | 0.982 | NA | -0.38 | 0.416 | 173.4 | 68.2 | 27.0 | 0.435 |
| 43910.0 | 47340.0 | 0.451<br>9.57 | 218.0<br>9.20 | -9.5<br>18.77 | 1.59<br>ONE | 1.461<br>29.192 | 87.4<br>268.4 | 1.105<br>-28.8 | -9.348<br>17.9 | 4.9 | 147.4 | 0.984D | NA | 0.23 | 0.416 | 173.4 | 68.2 | 27.1 | 0.436 |
| 43920.0 | 47340.0 | 0.475<br>10.14 | 211.4<br>9.21 | -8.5<br>19.34 | 1.31<br>ONE | 1.460<br>29.192 | 82.0<br>268.4 | 1.104<br>-28.8 | -9.332<br>17.9 | 15.2 | 147.6 | 0.970D | NA | 0.61 | 0.416 | 173.5 | 68.2 | 27.1 | 0.436 |
| 43930.0 | 47340.0 | 0.524<br>11.31 | 206.4<br>9.21 | -7.6<br>20.52 | 1.14<br>ONE | 1.459<br>29.192 | 76.5<br>268.4 | 1.100<br>-28.8 | -9.337<br>18.0 | 25.8 | 148.1 | 0.938D | NA | 0.88 | 0.416 | 173.6 | 68.1 | 27.1 | 0.436 |
| 43940.0 | 47340.0 | 0.592<br>13.01 | 203.6<br>9.22 | -7.3<br>22.23 | 1.04<br>ONE | 1.457<br>29.192 | 70.8<br>268.4 | 1.095<br>-28.8 | -9.361<br>18.2 | 36.6 | 149.0 | 0.890D | NA | 1.09 | 0.416 | 173.8 | 67.9 | 27.1 | 0.437 |
| ARRIVAL DATE = 2447540.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 47540.0 | 0.637<br>14.16 | 229.1<br>8.55 | -26.3<br>22.70 | -3.69<br>TWO | 1.453<br>31.161 | 112.0<br>269.8 | 1.066<br>-28.8 | -12.856<br>20.0 | 317.4 | 512.1 | 0.850 | NA | 5.08 | 0.379 | 173.4 | 67.1 | 27.4 | 0.403 |
| 43870.0 | 47540.0 | 0.619<br>13.68 | 225.5<br>8.58 | -45.9<br>22.26 | -11.86<br>TWO | 1.454<br>31.161 | 107.3<br>269.8 | 1.071<br>-28.8 | -12.641<br>20.0 | 326.6 | 511.2 | 0.899 | NA | 13.33 | 0.381 | 173.2 | 67.0 | 28.3 | 0.404 |
| 43880.0 | 47540.0 | 0.545<br>11.83 | 237.8<br>8.59 | 5.2<br>20.42 | 9.26<br>ONE | 1.454<br>31.161 | 102.3<br>269.8 | 1.075<br>-28.8 | -12.469<br>19.6 | 336.3 | 510.4 | 0.940 | NA | -7.70 | 0.383 | 173.1 | 67.8 | 26.1 | 0.405 |
| 43890.0 | 47540.0 | 0.471<br>10.06 | 230.0<br>8.60 | -7.6<br>18.65 | 3.40<br>ONE | 1.454<br>31.161 | 97.3<br>269.8 | 1.078<br>-28.8 | -12.339<br>19.4 | 345.9 | 509.9 | 0.968 | NA | -1.76 | 0.384 | 173.0 | 67.9 | 26.8 | 0.405 |
| 43900.0 | 47540.0 | 0.444<br>9.42 | 223.5<br>8.61 | -9.3<br>18.02 | 2.12<br>ONE | 1.454<br>31.161 | 92.2<br>269.8 | 1.080<br>-28.8 | -12.248<br>19.3 | 355.8 | 509.7 | 0.983 | NA | -0.40 | 0.385 | 172.9 | 68.0 | 27.0 | 0.406 |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43910.0 | 47540.0 | 0.443<br>9.40 | 216.3<br>8.62 | -8.9<br>18.02 | 1.58<br>ONE | 1.453<br>31.161 | 86.9<br>269.8 | 1.081<br>-28.8 | -12.197<br>19.3 | 5.9 | 149.6 | 0.983D | NA | 0.23 | 0.385 | 172.9 | 68.0 | 27.0 | 0.406 |
| 43920.0 | 47540.0 | 0.470<br>10.02 | 209.8<br>8.62 | -8.0<br>18.64 | 1.29<br>ONE | 1.451<br>31.161 | 81.6<br>269.8 | 1.079<br>-28.8 | -12.181<br>19.3 | 16.2 | 149.9 | 0.967D | NA | 0.62 | 0.385 | 173.0 | 67.9 | 27.1 | 0.406 |
| 43930.0 | 47540.0 | 0.520<br>11.27 | 205.1<br>8.63 | -7.2<br>19.85 | 1.12<br>ONE | 1.450<br>31.161 | 76.1<br>269.8 | 1.077<br>-28.8 | -12.198<br>19.4 | 26.8 | 150.4 | 0.935D | NA | 0.89 | 0.385 | 173.1 | 67.8 | 27.1 | 0.407 |
| 43940.0 | 47540.0 | 0.590<br>12.94 | 202.5<br>8.63 | -6.9<br>21.57 | 1.02<br>ONE | 1.448<br>31.161 | 70.5<br>269.8 | 1.072<br>-28.8 | -12.244<br>19.6 | 37.6 | 151.2 | 0.886D | NA | 1.10 | 0.385 | 173.3 | 67.6 | 27.1 | 0.407 |
| ARRIVAL DATE = 2447740.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 47740.0 | 0.623<br>13.80 | 228.7<br>8.06 | -25.5<br>21.86 | -3.31<br>TWO | 1.446<br>29.307 | 111.5<br>271.1 | 1.049<br>-28.8 | -17.354<br>21.5 | 318.0 | 513.9 | 0.855 | NA | 4.71 | 0.352 | 172.8 | 66.8 | 27.4 | 0.377 |
| 43870.0 | 47740.0 | 0.586<br>12.86 | 225.8<br>8.08 | -40.2<br>20.94 | -9.11<br>TWO | 1.447<br>29.307 | 106.8<br>271.1 | 1.053<br>-28.8 | -17.016<br>21.3 | 327.3 | 513.0 | 0.904 | NA | 10.60 | 0.354 | 172.7 | 66.8 | 28.1 | 0.378 |
| 43880.0 | 47740.0 | 0.550<br>11.96 | 238.8<br>8.10 | 10.4<br>20.06 | 11.22<br>ONE | 1.447<br>29.307 | 101.8<br>271.1 | 1.056<br>-28.8 | -16.748<br>21.1 | 337.0 | 512.4 | 0.943 | NA | -9.66 | 0.355 | 172.5 | 67.6 | 25.7 | 0.379 |
| 43890.0 | 47740.0 | 0.462<br>9.83 | 229.0<br>8.10 | -6.7<br>17.93 | 3.54<br>ONE | 1.447<br>29.307 | 96.9<br>271.1 | 1.059<br>-28.8 | -16.549<br>20.8 | 346.7 | 511.9 | 0.970 | NA | -1.90 | 0.356 | 172.4 | 67.6 | 26.7 | 0.379 |
| 43900.0 | 47740.0 | 0.436<br>9.23 | 222.2<br>8.11 | -8.8<br>17.34 | 2.14<br>ONE | 1.446<br>29.307 | 91.8<br>271.1 | 1.060<br>-28.8 | -16.415<br>20.8 | 356.6 | 511.7 | 0.984 | NA | -0.41 | 0.357 | 172.4 | 67.7 | 26.9 | 0.379 |
| 43910.0 | 47740.0 | 0.437<br>9.27 | 215.0<br>8.12 | -8.5<br>17.38 | 1.57<br>ONE | 1.446<br>29.307 | 86.5<br>271.1 | 1.060<br>-28.8 | -16.343<br>20.7 | 6.7 | 151.7 | 0.982D | NA | 0.24 | 0.357 | 172.4 | 67.7 | 27.0 | 0.380 |
| 43920.0 | 47740.0 | 0.466<br>9.92 | 208.5<br>8.12 | -7.5<br>18.04 | 1.27<br>ONE | 1.444<br>29.307 | 81.2<br>271.1 | 1.059<br>-28.8 | -16.330<br>20.8 | 17.1 | 151.9 | 0.965D | NA | 0.63 | 0.357 | 172.5 | 67.6 | 27.0 | 0.380 |
| 43930.0 | 47740.0 | 0.517<br>11.15 | 204.0<br>8.13 | -6.8<br>19.28 | 1.10<br>ONE | 1.443<br>29.307 | 75.8<br>271.1 | 1.057<br>-28.8 | -16.373<br>20.9 | 27.7 | 152.4 | 0.932D | NA | 0.90 | 0.357 | 172.6 | 67.5 | 27.0 | 0.380 |
| 43940.0 | 47740.0 | 0.587<br>12.87 | 201.7<br>8.13 | -6.6<br>21.00 | 0.99<br>ONE | 1.441<br>29.307 | 70.2<br>271.1 | 1.054<br>-28.8 | -16.456<br>21.1 | 38.5 | 153.2 | 0.882D | NA | 1.11 | 0.356 | 172.8 | 67.3 | 27.0 | 0.380 |
| ARRIVAL DATE = 2447940.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 47940.0 | 0.612<br>13.51 | 228.4<br>7.64 | -24.7<br>21.15 | -2.98<br>TWO | 1.440<br>30.886 | 111.1<br>272.5 | 1.035<br>-28.8 | -24.580<br>23.0 | 318.5 | 515.6 | 0.859 | NA | 4.39 | 0.327 | 172.3 | 66.4 | 27.3 | 0.353 |
| 43870.0 | 47940.0 | 0.565<br>12.33 | 226.0<br>7.66 | -36.2<br>19.98 | -7.29<br>TWO | 1.441<br>30.886 | 106.4<br>272.5 | 1.038<br>-28.8 | -23.988<br>22.8 | 327.9 | 514.8 | 0.907 | NA | 8.79 | 0.329 | 172.1 | 66.5 | 27.9 | 0.354 |
| 43880.0 | 47940.0 | 0.574<br>12.55 | 241.2<br>7.68 | 18.0<br>20.23 | 14.49<br>ONE | 1.441<br>30.886 | 101.4<br>272.5 | 1.040<br>-28.8 | -23.527<br>22.7 | 337.6 | 514.2 | 0.946 | NA | -12.92 | 0.330 | 172.0 | 67.3 | 25.2 | 0.355 |
| 43890.0 | 47940.0 | 0.454<br>9.65 | 228.3<br>7.68 | -5.7<br>17.33 | 3.71<br>ONE | 1.441<br>30.886 | 96.5<br>272.5 | 1.042<br>-28.8 | -23.191<br>22.3 | 347.3 | 513.7 | 0.971 | NA | -2.06 | 0.331 | 171.9 | 67.3 | 26.6 | 0.355 |
| 43900.0 | 47940.0 | 0.429<br>9.08 | 221.2<br>7.68 | -8.3<br>16.76 | 2.16<br>ONE | 1.440<br>30.886 | 91.4<br>272.5 | 1.043<br>-28.8 | -22.971<br>22.2 | 357.3 | 513.5 | 0.984 | NA | -0.43 | 0.331 | 171.9 | 67.4 | 26.8 | 0.356 |
| 43910.0 | 47940.0 | 0.432<br>9.15 | 213.8<br>7.69 | -8.1<br>16.84 | 1.56<br>ONE | 1.440<br>30.886 | 86.2<br>272.5 | 1.043<br>-28.8 | -22.863<br>22.2 | 7.4 | 153.5 | 0.982D | NA | 0.25 | 0.332 | 171.9 | 67.4 | 26.9 | 0.356 |
| 43920.0 | 47940.0 | 0.462<br>9.84 | 207.5<br>7.69 | -7.2<br>17.53 | 1.25<br>ONE | 1.438<br>30.886 | 80.9<br>272.5 | 1.042<br>-28.8 | -22.857<br>22.3 | 17.8 | 153.8 | 0.964D | NA | 0.64 | 0.332 | 171.9 | 67.3 | 27.0 | 0.356 |
| 43930.0 | 47940.0 | 0.515<br>11.09 | 203.2<br>7.70 | -6.6<br>18.78 | 1.08<br>ONE | 1.437<br>30.886 | 75.5<br>272.5 | 1.041<br>-28.8 | -22.946<br>22.4 | 28.3 | 154.3 | 0.929D | NA | 0.91 | 0.331 | 172.1 | 67.1 | 27.0 | 0.357 |
| 43940.0 | 47940.0 | 0.585<br>12.81 | 201.0<br>7.70 | -6.4<br>20.51 | 0.97<br>ONE | 1.435<br>30.886 | 70.1<br>272.5 | 1.038<br>-28.8 | -23.120<br>22.6 | 39.1 | 155.0 | 0.879D | NA | 1.12 | 0.331 | 172.3 | 66.9 | 27.0 | 0.357 |
| ARRIVAL DATE = 2448140.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 48140.0 | 0.603<br>13.27 | 228.1<br>7.28 | -24.1<br>20.55 | -2.68<br>TWO | 1.435<br>29.685 | 110.8<br>273.8 | 1.023<br>-28.7 | -37.941<br>24.5 | 318.9 | 517.1 | 0.861 | NA | 4.11 | 0.304 | 171.7 | 66.0 | 27.2 | 0.332 |
| 43870.0 | 48140.0 | 0.550<br>11.95 | 226.2<br>7.29 | -33.2<br>19.25 | -6.00<br>TWO | 1.436<br>29.685 | 106.0<br>273.8 | 1.025<br>-28.7 | -36.706<br>24.3 | 328.3 | 516.4 | 0.909 | NA | 7.50 | 0.306 | 171.5 | 66.2 | 27.7 | 0.333 |
| 43880.0 | 48140.0 | 0.649<br>14.45 | 247.5<br>7.32 | 30.1<br>21.77 | 21.00<br>ONE | 1.436<br>29.685 | 101.1<br>273.8 | 1.026<br>-28.7 | -35.765<br>24.5 | 338.2 | 515.8 | 0.948 | NA | -19.42 | 0.307 | 171.4 | 66.8 | 24.2 | 0.335 |
| 43890.0 | 48140.0 | 0.448<br>9.51 | 227.8<br>7.31 | -4.8<br>16.82 | 3.91<br>ONE | 1.436<br>29.685 | 96.2<br>273.8 | 1.028<br>-28.7 | -35.093<br>23.9 | 347.8 | 515.4 | 0.973 | NA | -2.25 | 0.308 | 171.3 | 66.9 | 26.5 | 0.334 |
| 43900.0 | 48140.0 | 0.423<br>8.96 | 220.3<br>7.31 | -7.9<br>16.27 | 2.19<br>ONE | 1.435<br>29.685 | 91.1<br>273.8 | 1.028<br>-28.7 | -34.671<br>23.8 | 357.8 | 515.2 | 0.984 | NA | -0.46 | 0.308 | 171.3 | 67.0 | 26.8 | 0.334 |
| 43910.0 | 48140.0 | 0.428<br>9.06 | 213.0<br>7.32 | -7.8<br>16.38 | 1.55<br>ONE | 1.434<br>29.685 | 86.0<br>273.8 | 1.028<br>-28.7 | -34.478<br>23.8 | 8.0 | 155.3 | 0.981D | NA | 0.26 | 0.309 | 171.3 | 67.0 | 26.9 | 0.335 |
| 43920.0 | 48140.0 | 0.459<br>9.77 | 206.7<br>7.32 | -7.0<br>17.09 | 1.23<br>ONE | 1.433<br>29.685 | 80.7<br>273.8 | 1.028<br>-28.7 | -34.499<br>23.8 | 18.3 | 155.5 | 0.962D | NA | 0.66 | 0.309 | 171.4 | 66.9 | 26.9 | 0.335 |
| 43930.0 | 48140.0 | 0.512<br>11.03 | 202.5<br>7.33 | -6.4<br>18.35 | 1.05<br>ONE | 1.431<br>29.685 | 75.4<br>273.8 | 1.027<br>-28.7 | -34.717<br>24.0 | 28.9 | 156.0 | 0.928D | NA | 0.93 | 0.308 | 171.5 | 66.7 | 26.9 | 0.335 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43940.0 | 48140.0 | 0.582 | 200.5 | -6.3 | 0.94 | 1.430 | 69.9 | 1.025 | -35.115 | 39.6 | 156.7 | 0.877D | NA | 1.13 | 0.308 | 171.8 | 66.5 | 26.9 | 0.335 |
| | | 12.75 | 7.33 | 20.08 | ONE | 29.685 | 273.8 | -28.7 | 24.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448340.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 48340.0 | 0.595 | 228.0 | -23.5 | -2.43 | 1.431 | 110.5 | 1.012 | -70.583 | 319.2 | 518.6 | 0.864 | NA | 3.87 | 0.284 | 171.1 | 65.6 | 27.1 | 0.314 |
| | | 13.07 | 6.96 | 20.04 | TWO | 30.397 | 275.2 | -28.7 | 26.1 | | | | | | | | | | |
| 43870.0 | 48340.0 | 0.539 | 226.3 | -30.9 | -5.03 | 1.431 | 105.8 | 1.014 | -66.854 | 328.7 | 517.9 | 0.911 | NA | 6.55 | 0.285 | 170.9 | 65.8 | 27.6 | 0.314 |
| | | 11.68 | 6.98 | 18.66 | TWO | 30.397 | 275.2 | -28.7 | 25.9 | | | | | | | | | | |
| 43890.0 | 48340.0 | 0.443 | 227.5 | -3.8 | 4.15 | 1.431 | 95.9 | 1.016 | -62.265 | 348.2 | 517.0 | 0.973 | NA | -2.49 | 0.287 | 170.7 | 66.5 | 26.4 | 0.315 |
| | | 9.41 | 6.99 | 16.40 | ONE | 30.397 | 275.2 | -28.7 | 25.4 | | | | | | | | | | |
| 43900.0 | 48340.0 | 0.419 | 219.7 | -7.5 | 2.21 | 1.431 | 90.9 | 1.016 | -61.133 | 358.2 | 516.8 | 0.984 | NA | -0.48 | 0.287 | 170.7 | 66.6 | 26.7 | 0.315 |
| | | 8.85 | 6.99 | 15.85 | ONE | 30.397 | 275.2 | -28.7 | 25.3 | | | | | | | | | | |
| 43910.0 | 48340.0 | 0.424 | 212.3 | -7.5 | 1.54 | 1.430 | 85.8 | 1.016 | -60.663 | 8.4 | 156.9 | 0.981D | NA | 0.26 | 0.288 | 170.7 | 66.5 | 26.8 | 0.316 |
| | | 8.98 | 7.00 | 15.97 | ONE | 30.397 | 275.2 | -28.7 | 25.3 | | | | | | | | | | |
| 43920.0 | 48340.0 | 0.456 | 206.1 | -6.8 | 1.21 | 1.429 | 80.6 | 1.016 | -60.800 | 18.7 | 157.1 | 0.961D | NA | 0.67 | 0.288 | 170.8 | 66.4 | 26.8 | 0.316 |
| | | 9.70 | 7.00 | 16.70 | ONE | 30.397 | 275.2 | -28.7 | 25.4 | | | | | | | | | | |
| 43930.0 | 48340.0 | 0.510 | 202.0 | -6.2 | 1.03 | 1.427 | 75.3 | 1.015 | -61.506 | 29.3 | 157.6 | 0.926D | NA | 0.94 | 0.287 | 170.9 | 66.3 | 26.9 | 0.316 |
| | | 10.97 | 7.00 | 17.97 | ONE | 30.397 | 275.2 | -28.7 | 25.6 | | | | | | | | | | |
| 43940.0 | 48340.0 | 0.579 | 200.1 | -6.2 | 0.92 | 1.425 | 69.9 | 1.014 | -62.749 | 40.0 | 158.2 | 0.876D | NA | 1.15 | 0.287 | 171.2 | 66.0 | 26.8 | 0.316 |
| | | 12.68 | 7.01 | 19.69 | ONE | 30.397 | 275.2 | -28.7 | 25.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448540.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 48540.0 | 0.589 | 228.0 | -23.0 | -2.20 | 1.427 | 110.3 | 1.003 | ******* | 319.4 | 520.0 | 0.865 | NA | 3.66 | 0.265 | 170.5 | 65.1 | 27.0 | 0.296 |
| | | 12.92 | 6.69 | 19.61 | TWO | 30.210 | 276.5 | -28.6 | 27.8 | | | | | | | | | | |
| 43870.0 | 48540.0 | 0.531 | 226.5 | -29.1 | -4.29 | 1.428 | 105.6 | 1.004 | ******* | 328.9 | 519.3 | 0.913 | NA | 5.81 | 0.266 | 170.3 | 65.3 | 27.4 | 0.297 |
| | | 11.48 | 6.70 | 18.18 | TWO | 30.210 | 276.5 | -28.6 | 27.5 | | | | | | | | | | |
| 43890.0 | 48540.0 | 0.440 | 227.4 | -2.7 | 4.44 | 1.428 | 95.8 | 1.005 | ******* | 348.5 | 518.5 | 0.974 | NA | -2.78 | 0.268 | 170.0 | 66.1 | 26.2 | 0.298 |
| | | 9.33 | 6.71 | 16.04 | ONE | 30.210 | 276.5 | -28.6 | 27.1 | | | | | | | | | | |
| 43900.0 | 48540.0 | 0.415 | 219.3 | -7.2 | 2.24 | 1.427 | 90.7 | 1.006 | ******* | 358.5 | 518.3 | 0.984 | NA | -0.51 | 0.268 | 170.0 | 66.1 | 26.6 | 0.298 |
| | | 8.77 | 6.71 | 15.48 | ONE | 30.210 | 276.5 | -28.6 | 27.0 | | | | | | | | | | |
| 43910.0 | 48540.0 | 0.421 | 211.8 | -7.4 | 1.53 | 1.426 | 85.6 | 1.006 | ******* | 8.7 | 158.4 | 0.980D | NA | 0.27 | 0.268 | 170.0 | 66.1 | 26.7 | 0.298 |
| | | 8.91 | 6.72 | 15.62 | ONE | 30.210 | 276.5 | -28.6 | 27.0 | | | | | | | | | | |
| 43920.0 | 48540.0 | 0.453 | 205.6 | -6.7 | 1.19 | 1.425 | 80.4 | 1.006 | ******* | 19.1 | 158.6 | 0.961D | NA | 0.69 | 0.268 | 170.1 | 66.0 | 26.8 | 0.298 |
| | | 9.64 | 6.72 | 16.36 | ONE | 30.210 | 276.5 | -28.6 | 27.0 | | | | | | | | | | |
| 43930.0 | 48540.0 | 0.507 | 201.6 | -6.1 | 1.00 | 1.423 | 75.2 | 1.005 | ******* | 29.6 | 159.0 | 0.925D | NA | 0.96 | 0.268 | 170.3 | 65.8 | 26.8 | 0.299 |
| | | 10.91 | 6.72 | 17.63 | ONE | 30.210 | 276.5 | -28.6 | 27.2 | | | | | | | | | | |
| 43940.0 | 48540.0 | 0.577 | 199.8 | -6.1 | 0.89 | 1.421 | 69.8 | 1.005 | ******* | 40.2 | 159.7 | 0.875D | NA | 1.16 | 0.267 | 170.6 | 65.5 | 26.7 | 0.299 |
| | | 12.62 | 6.73 | 19.34 | ONE | 30.210 | 276.5 | -28.6 | 27.5 | | | | | | | | | | |
| ARRIVAL DATE = 2448740.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 48740.0 | 0.584 | 228.0 | -22.6 | -2.00 | 1.424 | 110.2 | 0.995 | 191.779 | 319.5 | 521.3 | 0.866 | 382.691A | 3.47 | 0.247 | 169.8 | 64.5 | 26.9 | 0.281 |
| | | 12.80 | 6.45 | 19.25 | TWO | 29.840 | 277.9 | -28.6 | 29.5 | | | | | | | | | | |
| 43870.0 | 48740.0 | 0.524 | 226.8 | -27.6 | -3.69 | 1.424 | 105.4 | 0.996 | 218.647 | 329.1 | 520.7 | 0.914 | 436.380A | 5.22 | 0.248 | 169.6 | 64.8 | 27.3 | 0.281 |
| | | 11.32 | 6.46 | 17.78 | TWO | 29.840 | 277.9 | -28.6 | 29.2 | | | | | | | | | | |
| 43890.0 | 48740.0 | 0.438 | 227.5 | -1.3 | 4.82 | 1.425 | 95.6 | 0.996 | 270.612 | 348.7 | 519.9 | 0.974 | 540.249A | -3.15 | 0.250 | 169.4 | 65.5 | 26.1 | 0.282 |
| | | 9.28 | 6.47 | 15.75 | ONE | 29.840 | 277.9 | -28.6 | 28.7 | | | | | | | | | | |
| 43900.0 | 48740.0 | 0.412 | 219.0 | -7.0 | 2.27 | 1.424 | 90.6 | 0.997 | 288.102 | 358.7 | 519.7 | 0.984 | 575.219A | -0.54 | 0.251 | 169.3 | 65.6 | 26.5 | 0.282 |
| | | 8.70 | 6.47 | 15.17 | ONE | 29.840 | 277.9 | -28.6 | 28.6 | | | | | | | | | | |
| 43910.0 | 48740.0 | 0.418 | 211.4 | -7.3 | 1.52 | 1.423 | 85.5 | 0.997 | 294.885 | 8.9 | 159.8 | 0.980D | 588.789A | 0.28 | 0.251 | 169.3 | 65.5 | 26.6 | 0.282 |
| | | 8.84 | 6.47 | 15.32 | ONE | 29.840 | 277.9 | -28.6 | 28.6 | | | | | | | | | | |
| 43920.0 | 48740.0 | 0.451 | 205.3 | -6.6 | 1.17 | 1.422 | 80.4 | 0.997 | 289.792 | 19.3 | 160.0 | 0.960D | 578.623A | 0.71 | 0.251 | 169.5 | 65.4 | 26.7 | 0.283 |
| | | 9.58 | 6.48 | 16.06 | ONE | 29.840 | 277.9 | -28.6 | 28.7 | | | | | | | | | | |
| 43930.0 | 48740.0 | 0.505 | 201.4 | -6.1 | 0.98 | 1.420 | 75.2 | 0.997 | 274.739 | 29.7 | 160.4 | 0.925D | 548.552A | 0.98 | 0.250 | 169.6 | 65.2 | 26.7 | 0.283 |
| | | 10.84 | 6.48 | 17.32 | ONE | 29.840 | 277.9 | -28.6 | 28.9 | | | | | | | | | | |
| 43940.0 | 48740.0 | 0.574 | 199.6 | -6.1 | 0.86 | 1.418 | 69.9 | 0.997 | 253.571 | 40.4 | 161.0 | 0.875D | 506.266A | 1.17 | 0.250 | 169.9 | 64.9 | 26.7 | 0.283 |
| | | 12.54 | 6.48 | 19.03 | ONE | 29.840 | 277.9 | -28.6 | 29.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448940.0 | | | | | | | | | | | | | | | | | | | |
| 43850.0 | 48940.0 | 0.650 | 226.7 | -20.2 | -1.29 | 1.420 | 114.8 | 0.989 | 73.339 | 310.1 | 523.2 | 0.811 | 145.868A | 2.71 | 0.229 | 169.4 | 63.5 | 26.6 | 0.267 |
| | | 14.47 | 6.24 | 20.71 | TWO | 30.721 | 279.2 | -28.5 | 31.6 | | | | | | | | | | |
| 43860.0 | 48940.0 | 0.580 | 228.1 | -22.2 | -1.81 | 1.421 | 110.1 | 0.989 | 77.262 | 319.5 | 522.5 | 0.887 | 153.656A | 3.30 | 0.231 | 169.1 | 63.9 | 26.8 | 0.267 |
| | | 12.71 | 6.24 | 18.95 | TWO | 30.721 | 279.2 | -28.5 | 31.2 | | | | | | | | | | |
| 43870.0 | 48940.0 | 0.520 | 227.0 | -26.4 | -3.20 | 1.422 | 105.3 | 0.989 | 80.904 | 329.1 | 521.9 | 0.914 | 160.893A | 4.75 | 0.232 | 168.9 | 64.2 | 27.1 | 0.267 |
| | | 11.20 | 6.25 | 17.45 | TWO | 30.721 | 279.2 | -28.5 | 30.9 | | | | | | | | | | |
| 43880.0 | 48940.0 | 0.562 | 213.1 | -57.9 | -15.44 | 1.422 | 100.5 | 0.989 | 84.040 | 338.8 | 521.5 | 0.950 | 167.129A | 17.05 | 0.233 | 168.7 | 63.6 | 29.1 | 0.269 |
| | | 12.25 | 6.27 | 18.52 | TWO | 30.721 | 279.2 | -28.5 | 31.1 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43890.0 | 48940.0 | 0.437 | 227.9 | 0.3 | 5.31 | 1.422 | 95.6 | 0.989 | 86.450 | 348.8 | 521.2 | 0.974 | 171.926A | -3.63 | 0.234 | 168.6 | 65.0 | 25.8 | 0.268 |
| | | 9.27 | 6.26 | 15.53 | ONE | 30.721 | 279.2 | -28.5 | 30.5 | | | | | | | | | | |
| 43900.0 | 48940.0 | 0.409 | 218.9 | -6.8 | 2.31 | 1.421 | 90.6 | 0.989 | 87.956 | 358.8 | 521.0 | 0.985 | 174.928A | -0.57 | 0.234 | 168.6 | 65.0 | 26.4 | 0.268 |
| | | 8.64 | 6.26 | 14.89 | ONE | 30.721 | 279.2 | -28.5 | 30.4 | | | | | | | | | | |
| 43910.0 | 48940.0 | 0.416 | 211.2 | -7.7 | 1.51 | 1.420 | 85.5 | 0.989 | 88.456 | 9.0 | 161.1 | 0.980D | 175.933A | 0.30 | 0.234 | 168.6 | 64.9 | 26.5 | 0.268 |
| | | 8.78 | 6.26 | 15.04 | ONE | 30.721 | 279.2 | -28.5 | 30.4 | | | | | | | | | | |
| 43920.0 | 48940.0 | 0.448 | 205.1 | -6.6 | 1.15 | 1.419 | 80.4 | 0.989 | 87.950 | 19.4 | 161.3 | 0.960D | 174.940A | 0.72 | 0.234 | 168.7 | 64.8 | 26.6 | 0.268 |
| | | 9.52 | 6.26 | 15.79 | ONE | 30.721 | 279.2 | -28.5 | 30.4 | | | | | | | | | | |
| 43930.0 | 48940.0 | 0.502 | 201.2 | -6.1 | 0.95 | 1.417 | 75.2 | 0.989 | 86.539 | 29.8 | 161.7 | 0.925D | 172.154A | 0.99 | 0.234 | 168.9 | 64.6 | 26.6 | 0.268 |
| | | 10.78 | 6.27 | 17.05 | ONE | 30.721 | 279.2 | -28.5 | 30.6 | | | | | | | | | | |
| 43940.0 | 48940.0 | 0.571 | 199.6 | -6.2 | 0.83 | 1.415 | 69.9 | 0.990 | 84.402 | 40.4 | 162.2 | 0.875D | 167.930A | 1.19 | 0.233 | 169.2 | 64.3 | 26.6 | 0.269 |
| | | 12.47 | 6.27 | 18.74 | ONE | 30.721 | 279.2 | -28.5 | 30.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449140.0 | | | | | | | | | | | | | | | | | | | |
| 43850.0 | 49140.0 | 0.647 | 226.8 | -20.0 | -1.19 | 1.418 | 114.8 | 0.984 | 49.333 | 310.0 | 524.3 | 0.810 | 97.856A | 2.63 | 0.215 | 168.7 | 62.8 | 26.5 | 0.254 |
| | | 14.41 | 6.06 | 20.47 | TWO | 29.379 | 280.6 | -28.4 | 33.4 | | | | | | | | | | |
| 43860.0 | 49140.0 | 0.578 | 228.2 | -21.9 | -1.65 | 1.419 | 110.1 | 0.983 | 50.926 | 319.5 | 523.6 | 0.867 | 100.986A | 3.14 | 0.216 | 168.4 | 63.2 | 26.7 | 0.254 |
| | | 12.64 | 6.06 | 18.70 | TWO | 29.379 | 280.6 | -28.4 | 33.0 | | | | | | | | | | |
| 43870.0 | 49140.0 | 0.516 | 227.3 | -25.4 | -2.79 | 1.419 | 105.3 | 0.983 | 52.347 | 329.1 | 523.1 | 0.914 | 103.780A | 4.35 | 0.217 | 168.1 | 63.5 | 27.0 | 0.254 |
| | | 11.12 | 6.06 | 17.18 | TWO | 29.379 | 280.6 | -28.4 | 32.7 | | | | | | | | | | |
| 43880.0 | 49140.0 | 0.506 | 218.3 | -46.0 | -10.19 | 1.420 | 100.5 | 0.982 | 53.525 | 338.8 | 522.6 | 0.950 | 106.100A | 11.81 | 0.218 | 168.0 | 63.3 | 28.3 | 0.255 |
| | | 10.87 | 6.08 | 16.94 | TWO | 29.379 | 280.6 | -28.4 | 32.6 | | | | | | | | | | |
| 43890.0 | 49140.0 | 0.439 | 228.5 | 2.3 | 5.97 | 1.419 | 95.5 | 0.982 | 54.401 | 348.8 | 522.4 | 0.975 | 107.828A | -4.29 | 0.219 | 167.9 | 64.4 | 25.6 | 0.255 |
| | | 9.30 | 6.07 | 15.37 | ONE | 29.379 | 280.6 | -28.4 | 32.2 | | | | | | | | | | |
| 43900.0 | 49140.0 | 0.407 | 218.9 | -6.6 | 2.35 | 1.419 | 90.6 | 0.982 | 54.929 | 358.9 | 522.2 | 0.985 | 108.873A | -0.61 | 0.219 | 167.8 | 64.4 | 26.2 | 0.255 |
| | | 8.59 | 6.07 | 14.66 | ONE | 29.379 | 280.6 | -28.4 | 32.1 | | | | | | | | | | |
| 43910.0 | 49140.0 | 0.413 | 211.2 | -7.2 | 1.49 | 1.418 | 85.5 | 0.982 | 55.088 | 9.1 | 162.3 | 0.980D | 109.196A | 0.31 | 0.219 | 167.8 | 64.3 | 26.4 | 0.255 |
| | | 8.73 | 6.07 | 14.80 | ONE | 29.379 | 280.6 | -28.4 | 32.1 | | | | | | | | | | |
| 43920.0 | 49140.0 | 0.446 | 205.1 | -6.6 | 1.12 | 1.417 | 80.4 | 0.983 | 54.882 | 19.4 | 162.5 | 0.960D | 108.804A | 0.74 | 0.219 | 168.0 | 64.2 | 26.5 | 0.255 |
| | | 9.46 | 6.08 | 15.54 | ONE | 29.379 | 280.6 | -28.4 | 32.2 | | | | | | | | | | |
| 43930.0 | 49140.0 | 0.499 | 201.2 | -6.2 | 0.92 | 1.415 | 75.2 | 0.983 | 54.345 | 29.8 | 162.8 | 0.925D | 107.764A | 1.01 | 0.219 | 168.2 | 64.0 | 26.5 | 0.255 |
| | | 10.71 | 6.08 | 16.79 | ONE | 29.379 | 280.6 | -28.4 | 32.4 | | | | | | | | | | |
| 43940.0 | 49140.0 | 0.568 | 199.6 | -6.2 | 0.80 | 1.413 | 70.0 | 0.984 | 53.529 | 40.4 | 163.4 | 0.875D | 106.182A | 1.20 | 0.218 | 168.5 | 63.7 | 26.4 | 0.256 |
| | | 12.39 | 6.08 | 18.47 | ONE | 29.379 | 280.6 | -28.4 | 32.7 | | | | | | | | | | |
| 43950.0 | 49140.0 | 0.647 | 199.8 | -6.8 | 0.73 | 1.411 | 64.7 | 0.985 | 52.503 | 51.0 | 164.0 | 0.812D | 104.193A | 1.36 | 0.217 | 168.8 | 63.3 | 26.4 | 0.256 |
| | | 14.39 | 6.09 | 20.48 | ONE | 29.379 | 280.6 | -28.4 | 33.0 | | | | | | | | | | |
| ARRIVAL DATE = 2449340.0 | | | | | | | | | | | | | | | | | | | |
| 43850.0 | 49340.0 | 0.646 | 227.0 | -19.9 | -1.10 | 1.416 | 114.8 | 0.979 | 38.410 | 309.8 | 525.3 | 0.810 | 76.010A | 2.55 | 0.201 | 167.9 | 62.1 | 26.4 | 0.242 |
| | | 14.38 | 5.90 | 20.27 | TWO | 31.061 | 281.9 | -28.3 | 35.3 | | | | | | | | | | |
| 43860.0 | 49340.0 | 0.576 | 228.5 | -21.6 | -1.49 | 1.417 | 110.1 | 0.978 | 39.291 | 319.4 | 524.7 | 0.867 | 77.715A | 3.00 | 0.202 | 167.6 | 62.5 | 26.6 | 0.242 |
| | | 12.60 | 5.90 | 18.50 | TWO | 31.061 | 281.9 | -28.3 | 34.8 | | | | | | | | | | |
| 43870.0 | 49340.0 | 0.513 | 227.7 | -24.6 | -2.45 | 1.417 | 105.3 | 0.977 | 40.062 | 329.0 | 524.2 | 0.914 | 79.210A | 4.02 | 0.203 | 167.3 | 62.9 | 26.8 | 0.242 |
| | | 11.06 | 5.90 | 16.96 | TWO | 31.061 | 281.9 | -28.3 | 34.5 | | | | | | | | | | |
| 43880.0 | 49340.0 | 0.482 | 220.9 | -38.8 | -7.38 | 1.418 | 100.5 | 0.977 | 40.691 | 338.8 | 523.8 | 0.950 | 80.432A | 9.01 | 0.204 | 167.1 | 62.8 | 27.8 | 0.243 |
| | | 10.31 | 5.91 | 16.22 | TWO | 31.061 | 281.9 | -28.3 | 34.3 | | | | | | | | | | |
| 43890.0 | 49340.0 | 0.443 | 229.6 | 5.2 | 6.94 | 1.417 | 95.5 | 0.976 | 41.151 | 348.8 | 523.5 | 0.974 | 81.328A | -5.25 | 0.205 | 167.0 | 63.7 | 25.2 | 0.243 |
| | | 9.40 | 5.91 | 15.31 | ONE | 31.061 | 281.9 | -28.3 | 34.1 | | | | | | | | | | |
| 43900.0 | 49340.0 | 0.405 | 219.0 | -6.4 | 2.40 | 1.417 | 90.6 | 0.976 | 41.422 | 358.8 | 523.4 | 0.985 | 81.860A | -0.66 | 0.205 | 167.0 | 63.7 | 26.1 | 0.243 |
| | | 8.54 | 5.91 | 14.45 | ONE | 31.061 | 281.9 | -28.3 | 33.9 | | | | | | | | | | |
| 43910.0 | 49340.0 | 0.411 | 211.2 | -7.3 | 1.48 | 1.416 | 85.5 | 0.976 | 41.497 | 9.0 | 163.4 | 0.980D | 82.014A | 0.32 | 0.205 | 167.0 | 63.6 | 26.3 | 0.243 |
| | | 8.68 | 5.91 | 14.59 | ONE | 31.061 | 281.9 | -28.3 | 33.9 | | | | | | | | | | |
| 43920.0 | 49340.0 | 0.443 | 205.1 | -6.7 | 1.09 | 1.414 | 80.5 | 0.977 | 41.379 | 19.3 | 163.6 | 0.960D | 81.797A | 0.77 | 0.205 | 167.1 | 63.5 | 26.3 | 0.243 |
| | | 9.41 | 5.91 | 15.32 | ONE | 31.061 | 281.9 | -28.3 | 34.0 | | | | | | | | | | |
| 43930.0 | 49340.0 | 0.496 | 201.3 | -6.3 | 0.89 | 1.413 | 75.3 | 0.977 | 41.088 | 29.7 | 163.9 | 0.926D | 81.241A | 1.03 | 0.205 | 167.4 | 63.3 | 26.3 | 0.243 |
| | | 10.65 | 5.92 | 16.56 | ONE | 31.061 | 281.9 | -28.3 | 34.2 | | | | | | | | | | |
| 43940.0 | 49340.0 | 0.564 | 199.6 | -6.3 | 0.77 | 1.411 | 70.1 | 0.978 | 40.635 | 40.2 | 164.4 | 0.876D | 80.394A | 1.22 | 0.204 | 167.7 | 63.0 | 26.3 | 0.244 |
| | | 12.31 | 5.92 | 18.23 | ONE | 31.061 | 281.9 | -28.3 | 34.5 | | | | | | | | | | |
| 43950.0 | 49340.0 | 0.643 | 199.9 | -6.9 | 0.70 | 1.409 | 64.8 | 0.980 | 40.069 | 50.9 | 165.1 | 0.813D | 79.324A | 1.37 | 0.203 | 168.1 | 62.5 | 26.2 | 0.244 |
| | | 14.29 | 5.93 | 20.22 | ONE | 31.061 | 281.9 | -28.3 | 34.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449540.0 | | | | | | | | | | | | | | | | | | | |
| 43850.0 | 49540.0 | 0.645 | 227.2 | -19.8 | -1.01 | 1.414 | 114.9 | 0.975 | 32.198 | 309.6 | 526.3 | 0.809 | 63.587A | 2.48 | 0.188 | 167.1 | 61.3 | 26.2 | 0.232 |
| | | 14.36 | 5.76 | 20.12 | TWO | 29.149 | 283.2 | -28.2 | 37.2 | | | | | | | | | | |
| 43860.0 | 49540.0 | 0.575 | 228.7 | -21.3 | -1.35 | 1.415 | 110.1 | 0.974 | 32.768 | 319.2 | 525.7 | 0.866 | 64.669A | 2.88 | 0.189 | 166.8 | 61.8 | 26.4 | 0.232 |
| | | 12.57 | 5.76 | 18.33 | TWO | 29.149 | 283.2 | -28.2 | 36.7 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43870.0 | 49540.0 | 0.512 | 228.1 | -23.9 | -2.15 | 1.416 | 105.3 | 0.973 | 33.261 | 328.9 | 525.2 | 0.914 | 65.609A | 3.73 | 0.190 | 166.5 | 62.1 | 26.7 | 0.232 |
| | | 11.02 | 5.76 | 16.78 | TWO | 29.149 | 283.2 | -28.2 | 36.4 | | | | | | | | | | |
| 43880.0 | 49540.0 | 0.471 | 222.6 | -34.1 | -5.65 | 1.416 | 100.5 | 0.972 | 33.660 | 338.7 | 524.8 | 0.950 | 66.369A | 7.28 | 0.191 | 166.3 | 62.2 | 27.4 | 0.232 |
| | | 10.04 | 5.76 | 15.81 | TWO | 29.149 | 283.2 | -28.2 | 36.2 | | | | | | | | | | |
| 43890.0 | 49540.0 | 0.453 | 231.3 | 9.5 | 8.45 | 1.416 | 95.6 | 0.971 | 33.948 | 348.7 | 524.6 | 0.974 | 66.922A | -6.76 | 0.192 | 166.2 | 63.1 | 24.7 | 0.232 |
| | | 9.62 | 5.77 | 15.39 | ONE | 29.149 | 283.2 | -28.2 | 36.0 | | | | | | | | | | |
| 43900.0 | 49540.0 | 0.463 | 219.3 | -6.3 | 2.45 | 1.415 | 90.6 | 0.971 | 34.116 | 358.7 | 524.5 | 0.984 | 67.247A | -0.71 | 0.192 | 166.1 | 63.0 | 25.9 | 0.232 |
| | | 8.51 | 5.76 | 14.27 | ONE | 29.149 | 283.2 | -28.2 | 35.8 | | | | | | | | | | |
| 43910.0 | 49540.0 | 0.469 | 211.4 | -7.4 | 1.46 | 1.414 | 85.6 | 0.971 | 34.159 | 8.9 | 164.5 | 0.980D | 67.337A | 0.34 | 0.192 | 166.1 | 62.9 | 26.1 | 0.232 |
| | | 8.62 | 5.77 | 14.40 | ONE | 29.149 | 283.2 | -28.2 | 35.8 | | | | | | | | | | |
| 43920.0 | 49540.0 | 0.441 | 205.3 | -6.9 | 1.07 | 1.413 | 80.5 | 0.972 | 34.079 | 19.2 | 164.7 | 0.961D | 67.197A | 0.79 | 0.192 | 166.3 | 62.8 | 26.2 | 0.232 |
| | | 9.35 | 5.77 | 15.12 | ONE | 29.149 | 283.2 | -28.2 | 35.9 | | | | | | | | | | |
| 43930.0 | 49540.0 | 0.493 | 201.4 | -6.4 | 0.86 | 1.411 | 75.4 | 0.973 | 33.886 | 29.6 | 165.0 | 0.926D | 66.846A | 1.05 | 0.192 | 166.5 | 62.6 | 26.2 | 0.233 |
| | | 10.57 | 5.77 | 16.35 | ONE | 29.149 | 283.2 | -28.2 | 36.1 | | | | | | | | | | |
| 43940.0 | 49540.0 | 0.561 | 199.8 | -6.5 | 0.74 | 1.409 | 70.2 | 0.974 | 33.595 | 40.1 | 165.4 | 0.878D | 66.313A | 1.24 | 0.191 | 166.8 | 62.2 | 26.2 | 0.233 |
| | | 12.22 | 5.78 | 17.99 | ONE | 29.149 | 283.2 | -28.2 | 36.4 | | | | | | | | | | |
| 43950.0 | 49540.0 | 0.638 | 200.0 | -7.0 | 0.67 | 1.407 | 65.0 | 0.975 | 33.225 | 50.6 | 166.0 | 0.815D | 65.635A | 1.38 | 0.190 | 167.2 | 61.8 | 26.1 | 0.233 |
| | | 14.19 | 5.78 | 19.97 | ONE | 29.149 | 283.2 | -28.2 | 36.8 | | | | | | | | | | |

ARRIVAL DATE = 2449740.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43850.0 | 49740.0 | 0.645 | 227.5 | -19.7 | -0.93 | 1.412 | 114.9 | 0.971 | 28.213 | 309.3 | 527.2 | 0.867 | 55.618A | 2.41 | 0.176 | 166.2 | 60.5 | 26.0 | 0.222 |
| | | 14.36 | 5.64 | 20.00 | TWO | 31.124 | 284.6 | -28.0 | 39.1 | | | | | | | | | | |
| 43860.0 | 49740.0 | 0.575 | 229.1 | -21.1 | -1.23 | 1.413 | 110.2 | 0.970 | 28.618 | 318.9 | 526.6 | 0.865 | 56.370A | 2.76 | 0.177 | 165.9 | 61.0 | 26.2 | 0.222 |
| | | 12.56 | 5.64 | 18.20 | TWO | 31.124 | 284.6 | -28.0 | 38.7 | | | | | | | | | | |
| 43870.0 | 49740.0 | 0.511 | 228.6 | -23.3 | -1.89 | 1.414 | 105.4 | 0.968 | 28.966 | 328.7 | 526.2 | 0.913 | 57.019A | 3.48 | 0.178 | 165.6 | 61.3 | 26.5 | 0.222 |
| | | 11.07 | 5.64 | 16.63 | TWO | 31.124 | 284.6 | -28.0 | 38.3 | | | | | | | | | | |
| 43880.0 | 49740.0 | 0.465 | 224.0 | -30.8 | -4.47 | 1.414 | 100.6 | 0.968 | 29.246 | 338.5 | 525.8 | 0.950 | 57.542A | 6.11 | 0.179 | 165.4 | 61.5 | 27.1 | 0.222 |
| | | 9.89 | 5.64 | 15.53 | TWO | 31.124 | 284.6 | -28.0 | 38.0 | | | | | | | | | | |
| 43890.0 | 49740.0 | 0.477 | 234.3 | 16.7 | 11.19 | 1.414 | 95.6 | 0.967 | 29.447 | 348.5 | 525.6 | 0.974 | 57.920A | -9.49 | 0.180 | 165.2 | 62.4 | 24.0 | 0.222 |
| | | 10.18 | 5.64 | 15.83 | ONE | 31.124 | 284.6 | -28.0 | 37.9 | | | | | | | | | | |
| 43900.0 | 49740.0 | 0.462 | 219.7 | -6.1 | 2.32 | 1.413 | 90.7 | 0.967 | 29.563 | 358.5 | 525.5 | 0.984 | 58.141A | -0.77 | 0.180 | 165.2 | 62.2 | 25.8 | 0.222 |
| | | 8.48 | 5.64 | 14.12 | ONE | 31.124 | 284.6 | -28.0 | 37.7 | | | | | | | | | | |
| 43910.0 | 49740.0 | 0.467 | 211.7 | -7.5 | 1.44 | 1.412 | 85.7 | 0.967 | 29.591 | 8.7 | 165.5 | 0.980D | 58.201A | 0.35 | 0.180 | 165.2 | 62.1 | 26.0 | 0.222 |
| | | 8.59 | 5.64 | 14.23 | ONE | 31.124 | 284.6 | -28.0 | 37.7 | | | | | | | | | | |
| 43920.0 | 49740.0 | 0.438 | 205.5 | -7.0 | 1.04 | 1.411 | 80.7 | 0.967 | 29.532 | 19.0 | 165.7 | 0.961D | 58.103A | 0.81 | 0.180 | 165.3 | 62.0 | 26.1 | 0.222 |
| | | 9.29 | 5.64 | 14.93 | ONE | 31.124 | 284.6 | -28.0 | 37.8 | | | | | | | | | | |
| 43930.0 | 49740.0 | 0.490 | 201.6 | -6.6 | 0.83 | 1.409 | 75.6 | 0.968 | 29.394 | 29.4 | 165.9 | 0.927D | 57.860A | 1.08 | 0.180 | 165.6 | 61.8 | 26.1 | 0.223 |
| | | 10.50 | 5.65 | 16.15 | ONE | 31.124 | 284.6 | -28.0 | 38.0 | | | | | | | | | | |
| 43940.0 | 49740.0 | 0.557 | 200.0 | -6.6 | 0.71 | 1.408 | 70.4 | 0.970 | 29.185 | 39.8 | 166.4 | 0.879D | 57.491A | 1.26 | 0.179 | 165.9 | 61.4 | 26.0 | 0.223 |
| | | 12.13 | 5.65 | 17.78 | ONE | 31.124 | 284.6 | -28.0 | 38.3 | | | | | | | | | | |
| 43950.0 | 49740.0 | 0.634 | 200.2 | -7.2 | 0.64 | 1.405 | 65.2 | 0.972 | 28.919 | 50.3 | 166.9 | 0.818D | 57.020A | 1.39 | 0.178 | 166.3 | 61.0 | 26.0 | 0.224 |
| | | 14.08 | 5.66 | 19.73 | ONE | 31.124 | 284.6 | -28.0 | 38.7 | | | | | | | | | | |

ARRIVAL DATE = 2449940.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43850.0 | 49940.0 | 0.646 | 227.8 | -19.6 | -0.85 | 1.411 | 115.1 | 0.968 | 25.455 | 309.0 | 528.1 | 0.806 | 50.165A | 2.35 | 0.164 | 165.3 | 59.6 | 25.8 | 0.213 |
| | | 14.38 | 5.53 | 19.91 | TWO | 29.216 | 285.9 | -27.9 | 41.1 | | | | | | | | | | |
| 43860.0 | 49940.0 | 0.575 | 229.4 | -20.9 | -1.11 | 1.412 | 110.3 | 0.966 | 25.762 | 318.6 | 527.5 | 0.863 | 50.666A | 2.66 | 0.166 | 164.9 | 60.1 | 26.0 | 0.213 |
| | | 12.57 | 5.53 | 18.10 | TWO | 29.216 | 285.9 | -27.9 | 40.6 | | | | | | | | | | |
| 43870.0 | 49940.0 | 0.511 | 229.1 | -22.7 | -1.67 | 1.413 | 105.5 | 0.965 | 26.024 | 328.4 | 527.1 | 0.912 | 51.137A | 3.27 | 0.167 | 164.6 | 60.5 | 26.3 | 0.213 |
| | | 10.99 | 5.53 | 16.52 | TWO | 29.216 | 285.9 | -27.9 | 40.2 | | | | | | | | | | |
| 43880.0 | 49940.0 | 0.461 | 225.1 | -28.5 | -3.61 | 1.413 | 100.7 | 0.964 | 26.234 | 338.2 | 526.8 | 0.949 | 51.520A | 5.26 | 0.168 | 164.4 | 60.7 | 26.8 | 0.213 |
| | | 9.81 | 5.53 | 15.34 | TWO | 29.216 | 285.9 | -27.9 | 40.0 | | | | | | | | | | |
| 43890.0 | 49940.0 | 0.552 | 241.1 | 30.6 | 17.54 | 1.413 | 95.7 | 0.963 | 26.385 | 348.3 | 526.5 | 0.974 | 51.796A | -15.84 | 0.169 | 164.2 | 61.7 | 22.4 | 0.214 |
| | | 12.01 | 5.54 | 17.55 | ONE | 29.216 | 285.9 | -27.9 | 40.2 | | | | | | | | | | |
| 43900.0 | 49940.0 | 0.461 | 220.1 | -6.1 | 2.26 | 1.412 | 90.8 | 0.963 | 26.471 | 358.3 | 526.4 | 0.984 | 51.958A | -0.85 | 0.169 | 164.2 | 61.4 | 25.6 | 0.213 |
| | | 8.46 | 5.53 | 13.98 | ONE | 29.216 | 285.9 | -27.9 | 39.6 | | | | | | | | | | |
| 43910.0 | 49940.0 | 0.465 | 212.1 | -7.7 | 1.43 | 1.411 | 85.8 | 0.963 | 26.491 | 8.5 | 166.4 | 0.981D | 52.001A | 0.37 | 0.169 | 164.2 | 61.3 | 25.8 | 0.213 |
| | | 8.55 | 5.53 | 14.07 | ONE | 29.216 | 285.9 | -27.9 | 39.6 | | | | | | | | | | |
| 43920.0 | 49940.0 | 0.436 | 205.8 | -7.3 | 1.06 | 1.410 | 80.8 | 0.964 | 26.446 | 18.7 | 166.6 | 0.962D | 51.929A | 0.84 | 0.169 | 164.3 | 61.2 | 25.9 | 0.213 |
| | | 9.23 | 5.53 | 14.76 | ONE | 29.216 | 285.9 | -27.9 | 39.7 | | | | | | | | | | |
| 43930.0 | 49940.0 | 0.487 | 201.9 | -6.8 | 0.86 | 1.408 | 75.7 | 0.965 | 26.340 | 29.1 | 166.9 | 0.929D | 51.751A | 1.10 | 0.168 | 164.6 | 61.0 | 25.9 | 0.214 |
| | | 10.42 | 5.53 | 15.96 | ONE | 29.216 | 285.9 | -27.9 | 39.9 | | | | | | | | | | |
| 43940.0 | 49940.0 | 0.553 | 200.3 | -6.8 | 0.68 | 1.406 | 70.6 | 0.966 | 26.180 | 39.5 | 167.3 | 0.881D | 51.480A | 1.28 | 0.168 | 164.9 | 60.6 | 25.9 | 0.214 |
| | | 12.03 | 5.54 | 17.57 | ONE | 29.216 | 285.9 | -27.9 | 40.2 | | | | | | | | | | |
| 43950.0 | 49940.0 | 0.630 | 200.5 | -7.3 | 0.60 | 1.404 | 65.4 | 0.968 | 25.977 | 50.6 | 167.8 | 0.820D | 51.133A | 1.41 | 0.167 | 165.4 | 60.2 | 25.8 | 0.215 |
| | | 13.96 | 5.55 | 19.51 | ONE | 29.216 | 285.9 | -27.9 | 40.6 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2450140.0 | | | | | | | | | | | |
| 43850.0 | 50140.0 | 0.647 | 228.2 | -19.5 | -0.77 | 1.410 | 115.2 | 0.966 | 23.446 | 308.6 | 528.9 | 0.803 | 46.088A | 2.29 | 0.154 | 164.3 | 58.7 | 25.6 | 0.205 |
| | | 14.42 | 5.43 | 19.85 | TWO | 30.887 | 287.2 | -27.7 | 43.1 | | | | | | | | | | |
| 43860.0 | 50140.0 | 0.576 | 229.9 | -20.7 | -1.00 | 1.411 | 110.4 | 0.964 | 23.688 | 318.3 | 528.4 | 0.862 | 46.515A | 2.56 | 0.155 | 163.9 | 59.2 | 25.8 | 0.205 |
| | | 12.60 | 5.43 | 18.03 | TWO | 30.887 | 287.2 | -27.7 | 42.6 | | | | | | | | | | |
| 43870.0 | 50140.0 | 0.511 | 229.6 | -22.3 | -1.47 | 1.411 | 105.6 | 0.962 | 23.896 | 328.1 | 528.0 | 0.910 | 46.882A | 3.08 | 0.157 | 163.5 | 59.6 | 26.1 | 0.205 |
| | | 11.00 | 5.43 | 16.43 | TWO | 30.887 | 287.2 | -27.7 | 42.2 | | | | | | | | | | |
| 43880.0 | 50140.0 | 0.459 | 226.1 | -26.7 | -2.96 | 1.412 | 100.8 | 0.961 | 24.062 | 337.9 | 527.6 | 0.948 | 47.176A | 4.62 | 0.157 | 163.3 | 59.9 | 26.5 | 0.205 |
| | | 9.77 | 5.43 | 15.20 | TWO | 30.887 | 287.2 | -27.7 | 41.9 | | | | | | | | | | |
| 43900.0 | 50140.0 | 0.400 | 220.7 | -5.8 | 2.69 | 1.411 | 91.0 | 0.959 | 24.248 | 358.0 | 527.3 | 0.984 | 47.511A | -0.94 | 0.158 | 163.1 | 60.6 | 25.4 | 0.205 |
| | | 8.44 | 5.43 | 13.87 | ONE | 30.887 | 287.2 | -27.7 | 41.6 | | | | | | | | | | |
| 43910.0 | 50140.0 | 0.403 | 212.5 | -7.9 | 1.40 | 1.410 | 86.0 | 0.960 | 24.263 | 8.2 | 167.3 | 0.981D | 47.545A | 0.39 | 0.159 | 163.1 | 60.5 | 25.7 | 0.205 |
| | | 8.51 | 5.43 | 13.94 | ONE | 30.887 | 287.2 | -27.7 | 41.6 | | | | | | | | | | |
| 43920.0 | 50140.0 | 0.433 | 206.2 | -7.5 | 0.97 | 1.408 | 81.0 | 0.960 | 24.227 | 18.4 | 167.5 | 0.963D | 47.491A | 0.87 | 0.158 | 163.3 | 60.4 | 25.7 | 0.205 |
| | | 9.17 | 5.43 | 14.61 | ONE | 30.887 | 287.2 | -27.7 | 41.7 | | | | | | | | | | |
| 43930.0 | 50140.0 | 0.484 | 202.2 | -7.0 | 0.76 | 1.407 | 75.9 | 0.961 | 24.142 | 28.7 | 167.7 | 0.930D | 47.355A | 1.13 | 0.158 | 163.5 | 60.1 | 25.7 | 0.205 |
| | | 10.35 | 5.43 | 15.78 | ONE | 30.887 | 287.2 | -27.7 | 41.9 | | | | | | | | | | |
| 43940.0 | 50140.0 | 0.549 | 200.6 | -7.0 | 0.64 | 1.405 | 70.8 | 0.963 | 24.015 | 39.1 | 168.1 | 0.883D | 47.147A | 1.30 | 0.157 | 163.9 | 59.8 | 25.7 | 0.206 |
| | | 11.93 | 5.44 | 17.37 | ONE | 30.887 | 287.2 | -27.7 | 42.2 | | | | | | | | | | |
| 43950.0 | 50140.0 | 0.625 | 200.8 | -7.5 | 0.57 | 1.403 | 65.7 | 0.965 | 23.852 | 49.6 | 168.6 | 0.823D | 46.881A | 1.43 | 0.156 | 164.3 | 59.3 | 25.6 | 0.206 |
| | | 13.84 | 5.45 | 19.29 | ONE | 30.887 | 287.2 | -27.7 | 42.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450340.0 | | | | | | | | | | | |
| 43850.0 | 50340.0 | 0.649 | 228.6 | -19.4 | -0.70 | 1.409 | 115.4 | 0.963 | 21.926 | 308.2 | 529.7 | 0.801 | 43.051A | 2.24 | 0.144 | 163.2 | 57.8 | 25.4 | 0.198 |
| | | 14.47 | 5.35 | 19.82 | TWO | 29.560 | 288.6 | -27.5 | 45.2 | | | | | | | | | | |
| 43860.0 | 50340.0 | 0.578 | 230.3 | -20.6 | -0.89 | 1.410 | 110.6 | 0.961 | 22.125 | 317.9 | 529.2 | 0.860 | 43.390A | 2.48 | 0.145 | 162.8 | 58.3 | 25.6 | 0.198 |
| | | 12.64 | 5.34 | 17.98 | TWO | 29.560 | 288.6 | -27.5 | 44.7 | | | | | | | | | | |
| 43870.0 | 50340.0 | 0.512 | 230.2 | -22.0 | -1.29 | 1.410 | 105.8 | 0.959 | 22.295 | 327.7 | 528.8 | 0.909 | 43.681A | 2.92 | 0.147 | 162.4 | 58.7 | 25.8 | 0.197 |
| | | 11.03 | 5.34 | 16.37 | TWO | 29.560 | 288.6 | -27.5 | 44.3 | | | | | | | | | | |
| 43880.0 | 50340.0 | 0.459 | 227.0 | -25.3 | -2.46 | 1.410 | 101.0 | 0.958 | 22.430 | 337.6 | 528.5 | 0.947 | 43.914A | 4.12 | 0.148 | 162.2 | 59.0 | 26.2 | 0.197 |
| | | 9.76 | 5.34 | 15.10 | TWO | 29.560 | 288.6 | -27.5 | 44.0 | | | | | | | | | | |
| 43900.0 | 50340.0 | 0.400 | 221.4 | -5.6 | 2.81 | 1.410 | 91.1 | 0.956 | 22.582 | 357.7 | 528.2 | 0.984 | 44.180A | -1.06 | 0.149 | 161.9 | 59.7 | 25.1 | 0.197 |
| | | 8.43 | 5.34 | 13.77 | ONE | 29.560 | 288.6 | -27.5 | 43.6 | | | | | | | | | | |
| 43910.0 | 50340.0 | 0.401 | 213.0 | -8.2 | 1.38 | 1.409 | 86.2 | 0.957 | 22.595 | 7.8 | 168.2 | 0.981D | 44.208A | 0.41 | 0.149 | 162.0 | 59.6 | 25.5 | 0.197 |
| | | 8.47 | 5.34 | 13.81 | ONE | 29.560 | 288.6 | -27.5 | 43.6 | | | | | | | | | | |
| 43920.0 | 50340.0 | 0.431 | 206.7 | -7.8 | 0.93 | 1.407 | 81.2 | 0.957 | 22.565 | 18.1 | 168.3 | 0.964D | 44.166A | 0.90 | 0.148 | 162.1 | 59.5 | 25.6 | 0.197 |
| | | 9.12 | 5.34 | 14.46 | ONE | 29.560 | 288.6 | -27.5 | 43.7 | | | | | | | | | | |
| 43930.0 | 50340.0 | 0.480 | 202.6 | -7.3 | 0.72 | 1.406 | 76.1 | 0.959 | 22.496 | 28.4 | 168.5 | 0.932D | 44.060A | 1.16 | 0.148 | 162.4 | 59.2 | 25.6 | 0.198 |
| | | 10.27 | 5.35 | 15.61 | ONE | 29.560 | 288.6 | -27.5 | 43.9 | | | | | | | | | | |
| 43940.0 | 50340.0 | 0.545 | 200.9 | -7.2 | 0.61 | 1.404 | 71.0 | 0.960 | 22.391 | 38.7 | 168.9 | 0.885D | 43.896A | 1.32 | 0.147 | 162.7 | 58.9 | 25.5 | 0.198 |
| | | 11.83 | 5.35 | 17.19 | ONE | 29.560 | 288.6 | -27.5 | 44.2 | | | | | | | | | | |
| 43950.0 | 50340.0 | 0.620 | 201.1 | -7.7 | 0.54 | 1.402 | 65.9 | 0.963 | 22.256 | 49.2 | 169.3 | 0.826D | 43.686A | 1.44 | 0.146 | 163.2 | 58.5 | 25.4 | 0.199 |
| | | 13.72 | 5.36 | 19.08 | ONE | 29.560 | 288.6 | -27.5 | 44.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450540.0 | | | | | | | | | | | |
| 43860.0 | 50540.0 | 0.580 | 230.8 | -20.5 | -0.80 | 1.409 | 110.8 | 0.959 | 20.911 | 317.5 | 529.9 | 0.857 | 40.965A | 2.39 | 0.136 | 161.6 | 57.4 | 25.4 | 0.191 |
| | | 12.69 | 5.27 | 17.96 | TWO | 30.423 | 289.9 | -27.3 | 46.7 | | | | | | | | | | |
| 43870.0 | 50540.0 | 0.514 | 230.8 | -21.7 | -1.13 | 1.409 | 106.0 | 0.957 | 21.054 | 327.3 | 529.6 | 0.907 | 41.201A | 2.77 | 0.137 | 161.2 | 57.8 | 25.6 | 0.191 |
| | | 11.06 | 5.27 | 16.33 | TWO | 30.423 | 289.9 | -27.3 | 46.3 | | | | | | | | | | |
| 43880.0 | 50540.0 | 0.459 | 228.0 | -24.3 | -2.05 | 1.410 | 101.1 | 0.955 | 21.168 | 337.2 | 529.3 | 0.946 | 41.391A | 3.72 | 0.138 | 161.0 | 58.1 | 25.9 | 0.190 |
| | | 9.76 | 5.26 | 15.03 | TWO | 30.423 | 289.9 | -27.3 | 46.0 | | | | | | | | | | |
| 43890.0 | 50540.0 | 0.494 | 210.3 | -54.6 | -12.85 | 1.409 | 96.3 | 0.954 | 21.250 | 347.1 | 529.1 | 0.972 | 41.528A | 14.57 | 0.139 | 160.8 | 57.3 | 28.4 | 0.192 |
| | | 10.59 | 5.28 | 15.87 | TWO | 30.423 | 289.9 | -27.3 | 46.1 | | | | | | | | | | |
| 43900.0 | 50540.0 | 0.400 | 222.2 | -5.3 | 2.96 | 1.409 | 91.3 | 0.954 | 21.296 | 357.3 | 529.0 | 0.984 | 41.608A | -1.21 | 0.139 | 160.7 | 58.8 | 24.9 | 0.190 |
| | | 8.43 | 5.26 | 13.69 | ONE | 30.423 | 289.9 | -27.3 | 45.6 | | | | | | | | | | |
| 43910.0 | 50540.0 | 0.400 | 213.6 | -8.5 | 1.35 | 1.408 | 86.4 | 0.954 | 21.307 | 7.4 | 169.0 | 0.982D | 41.632A | 0.44 | 0.139 | 160.8 | 58.7 | 25.3 | 0.190 |
| | | 8.43 | 5.26 | 13.70 | ONE | 30.423 | 289.9 | -27.3 | 45.6 | | | | | | | | | | |
| 43920.0 | 50540.0 | 0.428 | 207.2 | -8.1 | 0.90 | 1.406 | 81.4 | 0.955 | 21.282 | 17.7 | 169.1 | 0.965D | 41.599A | 0.94 | 0.139 | 160.9 | 58.6 | 25.4 | 0.191 |
| | | 9.06 | 5.27 | 14.32 | ONE | 30.423 | 289.9 | -27.3 | 45.7 | | | | | | | | | | |
| 43930.0 | 50540.0 | 0.477 | 203.1 | -7.6 | 0.69 | 1.405 | 76.3 | 0.956 | 21.224 | 28.0 | 169.3 | 0.933D | 41.514A | 1.19 | 0.139 | 161.1 | 58.3 | 25.4 | 0.191 |
| | | 10.18 | 5.27 | 15.46 | ONE | 30.423 | 289.9 | -27.3 | 45.9 | | | | | | | | | | |
| 43940.0 | 50540.0 | 0.541 | 201.3 | -7.5 | 0.57 | 1.403 | 71.3 | 0.958 | 21.135 | 38.3 | 169.6 | 0.888D | 41.383A | 1.34 | 0.138 | 161.5 | 58.0 | 25.3 | 0.191 |
| | | 11.73 | 5.28 | 17.01 | ONE | 30.423 | 289.9 | -27.3 | 46.2 | | | | | | | | | | |
| 43950.0 | 50540.0 | 0.616 | 201.4 | -7.9 | 0.50 | 1.401 | 66.2 | 0.961 | 21.022 | 48.3 | 170.0 | 0.829D | 41.214A | 1.46 | 0.137 | 162.0 | 57.6 | 25.2 | 0.192 |
| | | 13.60 | 5.28 | 18.88 | ONE | 30.423 | 289.9 | -27.3 | 46.6 | | | | | | | | | | |

1978
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / V 1 / PSI 1 / ECCEN / SMA / THET1 / THET2 / PERIH / APHEL / I 2 / V 2 / PSI 2 / R A / DECL / SPEED |
|---|---|---|---|---|---|
| | | | | | ARRIVAL DATE = 2450740.0 |
| 43860.0 | 50740.0 | 0.582 | 231.3 | -20.4 | -0.71 1.408 111.0 0.957 19.949 317.0 530.7 0.855 39.042A 2.32 0.128 160.3 56.4 25.2 0.185 |
| | | 12.75 | 5.20 | 17.95 | TWO 30.073 291.2 -27.1 48.8 |
| 43870.0 | 50740.0 | 0.515 | 231.4 | -21.4 | -0.99 1.409 106.2 0.955 20.071 326.9 530.3 0.905 39.238A 2.63 0.129 159.9 56.8 25.4 0.184 |
| | | 11.11 | 5.20 | 16.31 | TWO 30.073 291.2 -27.1 48.4 |
| 43880.0 | 50740.0 | 0.460 | 228.9 | -23.4 | -1.71 1.409 101.3 0.953 20.170 336.8 530.0 0.944 39.395A 3.39 0.130 159.7 57.2 25.7 0.184 |
| | | 9.78 | 5.20 | 14.98 | TWO 30.073 291.2 -27.1 48.1 |
| 43890.0 | 50740.0 | 0.443 | 218.4 | -40.1 | -7.29 1.408 96.5 0.952 20.240 346.7 529.8 0.971 39.509A 9.01 0.130 159.5 56.9 27.0 0.185 |
| | | 9.40 | 5.20 | 14.60 | TWO 30.073 291.2 -27.1 48.0 |
| 43900.0 | 50740.0 | 0.400 | 223.2 | -4.8 | 3.17 1.408 91.5 0.951 20.280 356.9 529.7 0.984 39.576A -1.41 0.131 159.4 57.9 24.6 0.184 |
| | | 8.43 | 5.19 | 13.63 | ONE 30.073 291.2 -27.1 47.7 |
| 43910.0 | 50740.0 | 0.398 | 214.3 | -8.8 | 1.32 1.407 86.6 0.952 20.289 7.0 169.7 0.982D 39.597A 0.47 0.131 159.4 57.8 25.1 0.184 |
| | | 8.40 | 5.20 | 13.59 | ONE 30.073 291.2 -27.1 47.7 |
| 43920.0 | 50740.0 | 0.425 | 207.8 | -8.5 | 0.85 1.405 81.6 0.952 20.269 17.2 169.8 0.966D 39.571A 0.97 0.131 159.6 57.6 25.2 0.184 |
| | | 9.00 | 5.20 | 14.20 | ONE 30.073 291.2 -27.1 47.8 |
| 43930.0 | 50740.0 | 0.473 | 203.6 | -7.9 | 0.64 1.404 76.6 0.954 20.219 27.5 170.0 0.935D 39.502A 1.22 0.130 159.8 57.4 25.2 0.185 |
| | | 10.10 | 5.20 | 15.30 | ONE 30.073 291.2 -27.1 48.0 |
| 43940.0 | 50740.0 | 0.537 | 201.8 | -7.7 | 0.53 1.402 71.5 0.956 20.143 37.8 170.3 0.891D 39.395A 1.37 0.129 160.2 57.1 25.1 0.185 |
| | | 11.62 | 5.21 | 16.83 | ONE 30.073 291.2 -27.1 48.3 |
| 43950.0 | 50740.0 | 0.611 | 201.8 | -8.1 | 0.47 1.400 66.5 0.958 20.045 48.2 170.7 0.833D 39.256A 1.48 0.128 160.7 56.6 25.0 0.186 |
| | | 13.47 | 5.22 | 18.69 | ONE 30.073 291.2 -27.1 48.7 |
| | | | | | ARRIVAL DATE = 2450940.0 |
| 43860.0 | 50940.0 | 0.585 | 231.8 | -20.3 | -0.62 1.407 111.2 0.956 19.171 316.5 531.3 0.852 37.491A 2.25 0.119 159.0 55.4 24.9 0.179 |
| | | 12.82 | 5.15 | 17.96 | TWO 29.867 292.5 -26.9 51.0 |
| 43870.0 | 50940.0 | 0.518 | 232.1 | -21.2 | -0.85 1.408 106.4 0.953 19.279 326.4 531.0 0.903 37.655A 2.51 0.121 158.5 55.9 25.1 0.179 |
| | | 11.16 | 5.14 | 16.30 | TWO 29.867 292.5 -26.9 50.5 |
| 43880.0 | 50940.0 | 0.461 | 229.8 | -22.7 | -1.43 1.408 101.6 0.951 19.365 336.3 530.7 0.943 37.787A 3.12 0.121 158.2 56.2 25.4 0.179 |
| | | 9.81 | 5.14 | 14.95 | TWO 29.867 292.5 -26.9 50.2 |
| 43890.0 | 50940.0 | 0.429 | 222.0 | -32.7 | -4.79 1.408 96.7 0.950 19.427 346.3 530.6 0.970 37.883A 6.51 0.122 158.1 56.2 26.3 0.179 |
| | | 9.07 | 5.14 | 14.21 | TWO 29.867 292.5 -26.9 50.0 |
| 43900.0 | 50940.0 | 0.401 | 224.2 | -4.1 | 3.45 1.407 91.8 0.949 19.462 356.4 530.5 0.984 37.941A -1.69 0.123 158.0 57.0 24.3 0.178 |
| | | 8.45 | 5.13 | 13.58 | ONE 29.867 292.5 -26.9 49.8 |
| 43910.0 | 50940.0 | 0.397 | 215.1 | -9.2 | 1.29 1.406 86.8 0.950 19.471 6.5 170.5 0.983D 37.959A 0.50 0.123 158.0 56.8 24.8 0.178 |
| | | 8.37 | 5.14 | 13.50 | ONE 29.867 292.5 -26.9 49.7 |
| 43920.0 | 50940.0 | 0.423 | 208.4 | -8.8 | 0.81 1.405 81.8 0.950 19.453 16.7 170.5 0.967D 37.939A 1.01 0.122 158.1 56.7 24.9 0.179 |
| | | 8.94 | 5.14 | 14.08 | ONE 29.867 292.5 -26.9 49.8 |
| 43930.0 | 50940.0 | 0.470 | 204.2 | -8.2 | 0.60 1.403 76.8 0.952 19.410 27.0 170.7 0.937D 37.883A 1.25 0.122 158.4 56.5 24.9 0.179 |
| | | 10.02 | 5.14 | 15.16 | ONE 29.867 292.5 -26.9 50.0 |
| 43940.0 | 50940.0 | 0.532 | 202.2 | -8.0 | 0.49 1.401 71.8 0.954 19.344 37.3 171.0 0.893D 37.794A 1.40 0.121 158.8 56.1 24.9 0.179 |
| | | 11.52 | 5.15 | 16.66 | ONE 29.867 292.5 -26.9 50.3 |
| 43950.0 | 50940.0 | 0.605 | 202.3 | -8.4 | 0.43 1.399 66.8 0.957 19.258 47.6 171.3 0.836D 37.679A 1.50 0.120 159.3 55.7 24.8 0.180 |
| | | 13.34 | 5.16 | 18.50 | ONE 29.867 292.5 -26.9 50.7 |
| | | | | | ARRIVAL DATE = 2451140.0 |
| 43860.0 | 51140.0 | 0.588 | 232.4 | -20.2 | -0.54 1.407 111.5 0.954 18.536 316.0 532.0 0.849 36.222A 2.18 0.112 157.5 54.4 24.7 0.174 |
| | | 12.90 | 5.09 | 17.99 | TWO 30.598 293.8 -26.7 53.1 |
| 43870.0 | 51140.0 | 0.520 | 232.7 | -21.0 | -0.73 1.407 106.6 0.952 18.631 325.8 531.7 0.901 36.362A 2.41 0.113 157.0 54.9 24.8 0.174 |
| | | 11.23 | 5.09 | 16.31 | TWO 30.598 293.8 -26.7 52.6 |
| 43880.0 | 51140.0 | 0.463 | 230.7 | -22.2 | -1.19 1.407 101.8 0.950 18.708 335.8 531.4 0.941 36.474A 2.89 0.114 156.7 55.2 25.1 0.173 |
| | | 9.85 | 5.09 | 14.94 | TWO 30.598 293.8 -26.7 52.3 |
| 43890.0 | 51140.0 | 0.424 | 224.3 | -28.5 | -3.37 1.407 96.9 0.948 18.763 345.8 531.2 0.969 36.556A 5.10 0.115 156.5 55.3 25.7 0.173 |
| | | 8.96 | 5.08 | 14.05 | TWO 30.598 293.8 -26.7 52.1 |
| 43900.0 | 51140.0 | 0.402 | 225.5 | -2.9 | 3.88 1.406 92.0 0.948 18.795 355.9 531.2 0.983 36.606A -2.12 0.115 156.4 56.0 23.9 0.173 |
| | | 8.49 | 5.08 | 13.57 | ONE 30.598 293.8 -26.7 51.9 |
| 43910.0 | 51140.0 | 0.395 | 215.8 | -9.6 | 1.25 1.405 87.1 0.948 18.803 6.0 171.1 0.983D 36.623A 0.54 0.115 156.5 55.9 24.6 0.173 |
| | | 8.34 | 5.08 | 13.42 | ONE 30.598 293.8 -26.7 51.8 |
| 43920.0 | 51140.0 | 0.420 | 209.2 | -9.3 | 0.76 1.404 82.1 0.948 18.788 16.2 171.2 0.969D 36.607A 1.06 0.115 156.6 55.7 24.7 0.173 |
| | | 8.88 | 5.08 | 13.96 | ONE 30.598 293.8 -26.7 51.9 |
| 43930.0 | 51140.0 | 0.466 | 204.8 | -8.6 | 0.56 1.402 77.1 0.950 18.750 26.5 171.4 0.939D 36.561A 1.29 0.114 156.9 55.5 24.7 0.174 |
| | | 9.93 | 5.09 | 15.02 | ONE 30.598 293.8 -26.7 52.1 |
| 43940.0 | 51140.0 | 0.528 | 202.8 | -8.3 | 0.45 1.401 72.1 0.952 18.692 36.7 171.6 0.896D 36.487A 1.43 0.114 157.3 55.2 24.7 0.174 |
| | | 11.41 | 5.09 | 16.50 | ONE 30.598 293.8 -26.7 52.4 |
| 43950.0 | 51140.0 | 0.600 | 202.7 | -8.6 | 0.39 1.399 67.1 0.955 18.615 47.0 172.0 0.840D 36.391A 1.52 0.113 157.8 54.8 24.6 0.175 |
| | | 13.21 | 5.10 | 18.31 | ONE 30.598 293.8 -26.7 52.8 |

1978
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARRIVAL DATE = 2451340.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 51340.0 | 0.592 | 233.0 | -20.2 | -0.47 | 1.406 | 111.7 | 0.953 | 18.010 | 315.4 | 532.6 | 0.846 | 35.174A | 2.12 | 0.104 | 155.9 | 53.4 | 24.4 | 0.170 |
| | | 12.99 | 5.05 | 18.04 | TWO | 29.382 | 295.1 | -26.5 | 55.2 | | | | | | | | | | |
| 43870.0 | 51340.0 | 0.523 | 233.4 | -20.9 | -0.62 | 1.407 | 106.9 | 0.950 | 18.096 | 325.3 | 532.3 | 0.898 | 35.293A | 2.31 | 0.106 | 155.4 | 53.9 | 24.6 | 0.169 |
| | | 11.30 | 5.04 | 16.34 | TWO | 29.382 | 295.1 | -26.5 | 54.8 | | | | | | | | | | |
| 43880.0 | 51340.0 | 0.465 | 231.6 | -21.8 | -0.98 | 1.407 | 102.0 | 0.948 | 18.165 | 335.2 | 532.1 | 0.939 | 35.390A | 2.69 | 0.107 | 155.1 | 54.3 | 24.8 | 0.169 |
| | | 9.90 | 5.04 | 14.94 | TWO | 29.382 | 295.1 | -26.5 | 54.4 | | | | | | | | | | |
| 43890.0 | 51340.0 | 0.422 | 226.1 | -25.8 | -2.45 | 1.406 | 97.2 | 0.947 | 18.214 | 345.3 | 531.9 | 0.968 | 35.461A | 4.19 | 0.107 | 154.9 | 54.4 | 25.3 | 0.169 |
| | | 8.93 | 5.04 | 13.97 | TWO | 29.382 | 295.1 | -26.5 | 54.2 | | | | | | | | | | |
| 43900.0 | 51340.0 | 0.406 | 227.1 | -0.9 | 4.59 | 1.406 | 92.3 | 0.946 | 18.244 | 355.4 | 531.8 | 0.983 | 35.505A | -2.83 | 0.108 | 154.8 | 55.1 | 23.5 | 0.168 |
| | | 8.56 | 5.04 | 13.60 | ONE | 29.382 | 295.1 | -26.5 | 54.0 | | | | | | | | | | |
| 43910.0 | 51340.0 | 0.394 | 216.7 | -10.0 | 1.20 | 1.405 | 87.3 | 0.946 | 18.252 | 5.5 | 171.8 | 0.984D | 35.520A | 0.59 | 0.108 | 154.8 | 54.9 | 24.4 | 0.168 |
| | | 8.31 | 5.04 | 13.34 | ONE | 29.382 | 295.1 | -26.5 | 53.9 | | | | | | | | | | |
| 43920.0 | 51340.0 | 0.417 | 209.9 | -9.7 | 0.70 | 1.404 | 82.4 | 0.947 | 18.239 | 15.7 | 171.9 | 0.970D | 35.507A | 1.11 | 0.108 | 154.9 | 54.8 | 24.5 | 0.169 |
| | | 8.82 | 5.04 | 13.86 | ONE | 29.382 | 295.1 | -26.5 | 54.0 | | | | | | | | | | |
| 43930.0 | 51340.0 | 0.462 | 205.4 | -8.9 | 0.51 | 1.402 | 77.4 | 0.948 | 18.205 | 25.9 | 172.0 | 0.942D | 35.469A | 1.33 | 0.107 | 155.2 | 54.6 | 24.5 | 0.169 |
| | | 9.85 | 5.04 | 14.89 | ONE | 29.382 | 295.1 | -26.5 | 54.2 | | | | | | | | | | |
| 43940.0 | 51340.0 | 0.523 | 203.3 | -8.6 | 0.41 | 1.400 | 72.4 | 0.950 | 18.153 | 36.2 | 172.2 | 0.899D | 35.407A | 1.46 | 0.106 | 155.6 | 54.2 | 24.4 | 0.170 |
| | | 11.29 | 5.05 | 16.34 | ONE | 29.382 | 295.1 | -26.5 | 54.5 | | | | | | | | | | |
| 43950.0 | 51340.0 | 0.595 | 203.2 | -8.9 | 0.35 | 1.398 | 67.4 | 0.953 | 18.085 | 46.4 | 172.5 | 0.844D | 35.326A | 1.54 | 0.105 | 156.2 | 53.8 | 24.3 | 0.170 |
| | | 13.07 | 5.06 | 18.13 | ONE | 29.382 | 295.1 | -26.5 | 54.9 | | | | | | | | | | |
| ARRIVAL DATE = 2451540.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 51540.0 | 0.596 | 233.6 | -20.1 | -0.40 | 1.406 | 112.0 | 0.952 | 17.571 | 314.8 | 533.2 | 0.842 | 34.300A | 2.07 | 0.098 | 154.1 | 52.4 | 24.1 | 0.166 |
| | | 13.09 | 5.01 | 18.10 | TWO | 30.971 | 296.4 | -26.2 | 57.4 | | | | | | | | | | |
| 43870.0 | 51540.0 | 0.527 | 234.2 | -20.7 | -0.52 | 1.406 | 107.2 | 0.949 | 17.649 | 324.7 | 532.9 | 0.895 | 34.403A | 2.22 | 0.099 | 153.7 | 52.9 | 24.3 | 0.165 |
| | | 11.38 | 5.00 | 16.38 | TWO | 30.971 | 296.4 | -26.2 | 56.9 | | | | | | | | | | |
| 43880.0 | 51540.0 | 0.467 | 232.5 | -21.4 | -0.80 | 1.406 | 102.3 | 0.947 | 17.712 | 334.7 | 532.7 | 0.937 | 34.487A | 2.52 | 0.100 | 153.3 | 53.3 | 24.5 | 0.165 |
| | | 9.96 | 5.00 | 14.96 | TWO | 30.971 | 296.4 | -26.2 | 56.5 | | | | | | | | | | |
| 43890.0 | 51540.0 | 0.423 | 227.6 | -24.0 | -1.81 | 1.406 | 97.4 | 0.946 | 17.758 | 344.7 | 532.5 | 0.967 | 34.549A | 3.55 | 0.101 | 153.1 | 53.4 | 24.9 | 0.164 |
| | | 8.94 | 5.00 | 13.93 | TWO | 30.971 | 296.4 | -26.2 | 56.3 | | | | | | | | | | |
| 43900.0 | 51540.0 | 0.414 | 229.4 | 3.4 | 6.02 | 1.405 | 92.5 | 0.945 | 17.785 | 354.8 | 532.4 | 0.983 | 34.587A | -4.26 | 0.101 | 153.0 | 54.3 | 22.8 | 0.164 |
| | | 8.74 | 4.99 | 13.74 | ONE | 30.971 | 296.4 | -26.2 | 56.1 | | | | | | | | | | |
| 43910.0 | 51540.0 | 0.393 | 217.6 | -10.5 | 1.14 | 1.404 | 87.6 | 0.945 | 17.793 | 4.9 | 172.4 | 0.984D | 34.601A | 0.64 | 0.101 | 153.0 | 53.9 | 24.1 | 0.164 |
| | | 8.28 | 4.99 | 13.28 | ONE | 30.971 | 296.4 | -26.2 | 56.1 | | | | | | | | | | |
| 43920.0 | 51540.0 | 0.415 | 210.7 | -10.2 | 0.64 | 1.403 | 82.7 | 0.945 | 17.781 | 15.1 | 172.5 | 0.971D | 34.592A | 1.16 | 0.101 | 153.1 | 53.8 | 24.3 | 0.164 |
| | | 8.76 | 5.00 | 13.76 | ONE | 30.971 | 296.4 | -26.2 | 56.1 | | | | | | | | | | |
| 43930.0 | 51540.0 | 0.459 | 206.1 | -9.4 | 0.46 | 1.401 | 77.7 | 0.947 | 17.752 | 25.3 | 172.6 | 0.944D | 34.560A | 1.37 | 0.101 | 153.4 | 53.6 | 24.3 | 0.165 |
| | | 9.76 | 5.00 | 14.76 | ONE | 30.971 | 296.4 | -26.2 | 56.3 | | | | | | | | | | |
| 43940.0 | 51540.0 | 0.519 | 203.9 | -9.0 | 0.36 | 1.400 | 72.7 | 0.949 | 17.705 | 35.5 | 172.8 | 0.902D | 34.508A | 1.49 | 0.100 | 153.8 | 53.3 | 24.2 | 0.165 |
| | | 11.18 | 5.01 | 16.19 | ONE | 30.971 | 296.4 | -26.2 | 56.6 | | | | | | | | | | |
| 43950.0 | 51540.0 | 0.590 | 203.7 | -9.2 | 0.31 | 1.398 | 67.7 | 0.952 | 17.644 | 45.8 | 173.1 | 0.848D | 34.439A | 1.57 | 0.099 | 154.4 | 52.9 | 24.1 | 0.166 |
| | | 12.94 | 5.01 | 17.95 | ONE | 30.971 | 296.4 | -26.2 | 57.0 | | | | | | | | | | |
| ARRIVAL DATE = 2451740.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 51740.0 | 0.600 | 234.2 | -20.1 | -0.33 | 1.405 | 112.3 | 0.951 | 17.203 | 314.2 | 533.8 | 0.839 | 33.567A | 2.02 | 0.091 | 152.2 | 51.4 | 23.8 | 0.162 |
| | | 13.20 | 4.97 | 18.17 | TWO | 29.109 | 297.7 | -25.9 | 59.5 | | | | | | | | | | |
| 43870.0 | 51740.0 | 0.530 | 234.9 | -20.7 | -0.43 | 1.406 | 107.5 | 0.948 | 17.275 | 324.1 | 533.5 | 0.892 | 33.657A | 2.13 | 0.093 | 151.7 | 51.9 | 24.0 | 0.161 |
| | | 11.47 | 4.97 | 16.44 | TWO | 29.109 | 297.7 | -25.9 | 59.0 | | | | | | | | | | |
| 43880.0 | 51740.0 | 0.470 | 233.5 | -21.1 | -0.64 | 1.406 | 102.6 | 0.946 | 17.332 | 334.1 | 533.3 | 0.935 | 33.730A | 2.37 | 0.094 | 151.4 | 52.3 | 24.2 | 0.161 |
| | | 10.02 | 4.96 | 14.99 | TWO | 29.109 | 297.7 | -25.9 | 58.7 | | | | | | | | | | |
| 43890.0 | 51740.0 | 0.424 | 229.0 | -22.7 | -1.34 | 1.406 | 97.7 | 0.944 | 17.375 | 344.1 | 533.1 | 0.965 | 33.784A | 3.09 | 0.094 | 151.1 | 52.5 | 24.5 | 0.161 |
| | | 8.96 | 4.96 | 13.92 | TWO | 29.109 | 297.7 | -25.9 | 58.4 | | | | | | | | | | |
| 43900.0 | 51740.0 | 0.450 | 234.4 | 15.8 | 10.36 | 1.405 | 92.8 | 0.944 | 17.400 | 354.2 | 533.0 | 0.982 | 33.818A | -8.59 | 0.095 | 151.0 | 53.6 | 21.3 | 0.161 |
| | | 9.56 | 4.96 | 14.52 | ONE | 29.109 | 297.7 | -25.9 | 58.3 | | | | | | | | | | |
| 43910.0 | 51740.0 | 0.392 | 218.5 | -11.1 | 1.07 | 1.404 | 87.9 | 0.943 | 17.408 | 4.3 | 173.0 | 0.985D | 33.831A | 0.71 | 0.095 | 151.0 | 53.0 | 23.9 | 0.160 |
| | | 8.26 | 4.96 | 13.22 | ONE | 29.109 | 297.7 | -25.9 | 58.2 | | | | | | | | | | |
| 43920.0 | 51740.0 | 0.412 | 211.6 | -10.7 | 0.58 | 1.403 | 83.0 | 0.944 | 17.398 | 14.5 | 173.1 | 0.973D | 33.824A | 1.22 | 0.095 | 151.2 | 52.8 | 24.0 | 0.161 |
| | | 8.71 | 4.96 | 13.67 | ONE | 29.109 | 297.7 | -25.9 | 58.2 | | | | | | | | | | |
| 43930.0 | 51740.0 | 0.455 | 206.9 | -9.8 | 0.40 | 1.401 | 78.0 | 0.946 | 17.372 | 24.7 | 173.2 | 0.946D | 33.797A | 1.42 | 0.094 | 151.4 | 52.6 | 24.0 | 0.161 |
| | | 9.67 | 4.96 | 14.64 | ONE | 29.109 | 297.7 | -25.9 | 58.4 | | | | | | | | | | |
| 43940.0 | 51740.0 | 0.514 | 204.5 | -9.3 | 0.32 | 1.399 | 73.0 | 0.948 | 17.329 | 34.9 | 173.4 | 0.906D | 33.753A | 1.52 | 0.093 | 151.8 | 52.3 | 24.0 | 0.162 |
| | | 11.07 | 4.97 | 16.04 | ONE | 29.109 | 297.7 | -25.9 | 58.7 | | | | | | | | | | |
| 43950.0 | 51740.0 | 0.584 | 204.3 | -9.5 | 0.27 | 1.397 | 68.0 | 0.951 | 17.274 | 45.1 | 173.6 | 0.852D | 33.695A | 1.59 | 0.092 | 152.4 | 52.0 | 23.8 | 0.162 |
| | | 12.80 | 4.98 | 17.78 | ONE | 29.109 | 297.7 | -25.9 | 59.1 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2451940.0** | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 51940.0 | 0.604 | 234.9 | -20.1 | -0.27 | 1.405 | 112.6 | 0.951 | 16.892 | 313.5 | 534.3 | 0.835 | 32.950A | 1.97 | 0.085 | 150.2 | 50.5 | 23.5 | 0.159 |
| | | 13.31 | 4.94 | 18.26 | TWO | 31.076 | 299.0 | -25.7 | 61.6 | | | | | | | | | | |
| 43870.0 | 51940.0 | 0.534 | 235.7 | -20.6 | -0.34 | 1.405 | 107.8 | 0.948 | 16.958 | 323.4 | 534.0 | 0.889 | 33.027A | 2.06 | 0.087 | 149.7 | 51.0 | 23.7 | 0.158 |
| | | 11.56 | 4.94 | 16.50 | TWO | 31.076 | 299.0 | -25.7 | 61.2 | | | | | | | | | | |
| 43880.0 | 51940.0 | 0.473 | 234.4 | -20.9 | -0.50 | 1.405 | 102.9 | 0.945 | 17.012 | 333.4 | 533.8 | 0.933 | 33.091A | 2.23 | 0.088 | 149.3 | 51.3 | 23.9 | 0.157 |
| | | 10.10 | 4.93 | 15.03 | TWO | 31.076 | 299.0 | -25.7 | 60.8 | | | | | | | | | | |
| 43890.0 | 51940.0 | 0.425 | 230.4 | -21.8 | -0.98 | 1.405 | 98.0 | 0.943 | 17.051 | 343.5 | 533.7 | 0.964 | 33.139A | 2.73 | 0.088 | 149.0 | 51.6 | 24.1 | 0.157 |
| | | 9.00 | 4.93 | 13.93 | TWO | 31.076 | 299.0 | -25.7 | 60.5 | | | | | | | | | | |
| 43910.0 | 51940.0 | 0.391 | 219.5 | -11.7 | 0.99 | 1.404 | 88.2 | 0.942 | 17.083 | 3.7 | 173.6 | 0.985D | 33.181A | 0.79 | 0.089 | 148.9 | 52.0 | 23.7 | 0.157 |
| | | 8.24 | 4.92 | 13.16 | ONE | 31.076 | 299.0 | -25.7 | 60.3 | | | | | | | | | | |
| 43920.0 | 51940.0 | 0.410 | 212.4 | -11.3 | 0.50 | 1.402 | 83.3 | 0.943 | 17.075 | 13.9 | 173.6 | 0.974D | 33.176A | 1.29 | 0.089 | 149.0 | 51.9 | 23.8 | 0.157 |
| | | 8.65 | 4.93 | 13.58 | ONE | 31.076 | 299.0 | -25.7 | 60.3 | | | | | | | | | | |
| 43930.0 | 51940.0 | 0.451 | 207.6 | -10.3 | 0.34 | 1.401 | 78.3 | 0.944 | 17.051 | 24.0 | 173.7 | 0.948D | 33.154A | 1.47 | 0.088 | 149.3 | 51.7 | 23.8 | 0.157 |
| | | 9.59 | 4.93 | 14.52 | ONE | 31.076 | 299.0 | -25.7 | 60.5 | | | | | | | | | | |
| 43940.0 | 51940.0 | 0.509 | 205.2 | -9.7 | 0.27 | 1.399 | 73.4 | 0.947 | 17.013 | 34.2 | 173.9 | 0.909D | 33.117A | 1.56 | 0.088 | 149.7 | 51.4 | 23.7 | 0.158 |
| | | 10.95 | 4.94 | 15.89 | ONE | 31.076 | 299.0 | -25.7 | 60.8 | | | | | | | | | | |
| 43950.0 | 51940.0 | 0.579 | 204.8 | -9.8 | 0.23 | 1.397 | 68.4 | 0.950 | 16.962 | 44.4 | 174.1 | 0.856D | 33.067A | 1.62 | 0.087 | 150.3 | 51.0 | 23.6 | 0.159 |
| | | 12.66 | 4.94 | 17.61 | ONE | 31.076 | 299.0 | -25.7 | 61.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2452140.0** | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 52140.0 | 0.609 | 235.5 | -20.1 | -0.20 | 1.404 | 112.9 | 0.950 | 16.629 | 312.8 | 534.8 | 0.831 | 32.427A | 1.92 | 0.080 | 147.9 | 49.5 | 23.2 | 0.156 |
| | | 13.43 | 4.92 | 18.35 | TWO | 29.128 | 300.3 | -25.4 | 63.8 | | | | | | | | | | |
| 43870.0 | 52140.0 | 0.539 | 236.5 | -20.5 | -0.26 | 1.405 | 108.1 | 0.947 | 16.691 | 322.8 | 534.6 | 0.886 | 32.495A | 1.99 | 0.081 | 147.4 | 50.0 | 23.4 | 0.155 |
| | | 11.67 | 4.91 | 16.58 | TWO | 29.128 | 300.3 | -25.4 | 63.3 | | | | | | | | | | |
| 43880.0 | 52140.0 | 0.476 | 235.4 | -20.7 | -0.37 | 1.405 | 103.2 | 0.944 | 16.741 | 332.8 | 534.4 | 0.930 | 32.551A | 2.11 | 0.082 | 147.0 | 50.4 | 23.6 | 0.155 |
| | | 10.18 | 4.90 | 15.08 | TWO | 29.128 | 300.3 | -25.4 | 62.9 | | | | | | | | | | |
| 43890.0 | 52140.0 | 0.428 | 231.6 | -21.1 | -0.69 | 1.405 | 98.3 | 0.943 | 16.778 | 342.8 | 534.2 | 0.962 | 32.593A | 2.45 | 0.083 | 146.7 | 50.6 | 23.8 | 0.154 |
| | | 9.05 | 4.90 | 13.95 | TWO | 29.128 | 300.3 | -25.4 | 62.6 | | | | | | | | | | |
| 43900.0 | 52140.0 | 0.418 | 219.4 | -38.3 | -6.34 | 1.404 | 93.4 | 0.942 | 16.800 | 352.9 | 534.1 | 0.981 | 32.620A | 8.11 | 0.083 | 146.6 | 50.2 | 25.4 | 0.154 |
| | | 8.84 | 4.90 | 13.74 | TWO | 29.128 | 300.3 | -25.4 | 62.5 | | | | | | | | | | |
| 43910.0 | 52140.0 | 0.390 | 220.5 | -12.4 | 0.88 | 1.403 | 88.5 | 0.941 | 16.808 | 3.0 | 174.1 | 0.985D | 32.631A | 0.90 | 0.084 | 146.6 | 51.0 | 23.4 | 0.154 |
| | | 8.22 | 4.90 | 13.12 | ONE | 29.128 | 300.3 | -25.4 | 62.4 | | | | | | | | | | |
| 43920.0 | 52140.0 | 0.408 | 213.4 | -11.9 | 0.42 | 1.402 | 83.6 | 0.942 | 16.801 | 13.2 | 174.2 | 0.975D | 32.628A | 1.37 | 0.083 | 146.7 | 50.9 | 23.5 | 0.154 |
| | | 8.60 | 4.90 | 13.50 | ONE | 29.128 | 300.3 | -25.4 | 62.4 | | | | | | | | | | |
| 43930.0 | 52140.0 | 0.448 | 208.4 | -10.8 | 0.28 | 1.400 | 78.7 | 0.943 | 16.780 | 23.4 | 174.3 | 0.951D | 32.609A | 1.52 | 0.083 | 147.0 | 50.8 | 23.5 | 0.154 |
| | | 9.50 | 4.90 | 14.40 | ONE | 29.128 | 300.3 | -25.4 | 62.6 | | | | | | | | | | |
| 43940.0 | 52140.0 | 0.504 | 205.9 | -10.1 | 0.22 | 1.398 | 73.7 | 0.946 | 16.745 | 33.6 | 174.4 | 0.912D | 32.578A | 1.60 | 0.082 | 147.4 | 50.5 | 23.5 | 0.155 |
| | | 10.84 | 4.91 | 15.75 | ONE | 29.128 | 300.3 | -25.4 | 62.8 | | | | | | | | | | |
| 43950.0 | 52140.0 | 0.573 | 205.4 | -10.1 | 0.18 | 1.396 | 68.7 | 0.948 | 16.698 | 43.7 | 174.6 | 0.861D | 32.536A | 1.65 | 0.081 | 148.0 | 50.1 | 23.4 | 0.156 |
| | | 12.52 | 4.92 | 17.44 | ONE | 29.128 | 300.3 | -25.4 | 63.2 | | | | | | | | | | |
| 43960.0 | 52140.0 | 0.649 | 206.6 | -10.7 | 0.16 | 1.394 | 63.8 | 0.952 | 16.641 | 53.9 | 174.9 | 0.798D | 32.484A | 1.69 | 0.080 | 148.7 | 49.7 | 23.2 | 0.157 |
| | | 14.47 | 4.93 | 19.40 | ONE | 29.128 | 300.3 | -25.4 | 63.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2452340.0** | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 52340.0 | 0.614 | 236.2 | -20.1 | -0.15 | 1.404 | 113.3 | 0.950 | 16.406 | 312.1 | 535.3 | 0.826 | 31.985A | 1.88 | 0.074 | 145.4 | 48.6 | 22.9 | 0.154 |
| | | 13.56 | 4.89 | 18.46 | TWO | 30.881 | 301.6 | -25.1 | 65.9 | | | | | | | | | | |
| 43870.0 | 52340.0 | 0.543 | 237.2 | -20.5 | -0.18 | 1.405 | 108.4 | 0.946 | 16.463 | 322.1 | 535.1 | 0.883 | 32.044A | 1.93 | 0.076 | 144.9 | 49.1 | 23.1 | 0.153 |
| | | 11.78 | 4.89 | 16.66 | TWO | 30.881 | 301.6 | -25.1 | 65.4 | | | | | | | | | | |
| 43880.0 | 52340.0 | 0.480 | 236.3 | -20.6 | -0.26 | 1.405 | 103.5 | 0.944 | 16.510 | 332.1 | 534.9 | 0.928 | 32.093A | 2.01 | 0.077 | 144.5 | 49.4 | 23.3 | 0.152 |
| | | 10.26 | 4.88 | 15.14 | TWO | 30.881 | 301.6 | -25.1 | 65.0 | | | | | | | | | | |
| 43890.0 | 52340.0 | 0.430 | 232.9 | -20.6 | -0.46 | 1.405 | 98.7 | 0.942 | 16.545 | 342.1 | 534.8 | 0.961 | 32.130A | 2.22 | 0.078 | 144.3 | 49.7 | 23.5 | 0.151 |
| | | 9.10 | 4.87 | 13.98 | TWO | 30.881 | 301.6 | -25.1 | 64.7 | | | | | | | | | | |
| 43900.0 | 52340.0 | 0.401 | 225.2 | -25.7 | -2.36 | 1.404 | 93.8 | 0.941 | 16.567 | 352.2 | 534.7 | 0.980 | 32.154A | 4.13 | 0.078 | 144.1 | 49.7 | 24.1 | 0.151 |
| | | 8.46 | 4.87 | 13.33 | TWO | 30.881 | 301.6 | -25.1 | 64.6 | | | | | | | | | | |
| 43910.0 | 52340.0 | 0.389 | 221.5 | -13.2 | 0.75 | 1.403 | 88.9 | 0.941 | 16.575 | 2.4 | 174.6 | 0.986D | 32.165A | 1.03 | 0.078 | 144.1 | 50.1 | 23.2 | 0.151 |
| | | 8.20 | 4.87 | 13.08 | ONE | 30.881 | 301.6 | -25.1 | 64.5 | | | | | | | | | | |
| 43920.0 | 52340.0 | 0.405 | 214.3 | -12.6 | 0.33 | 1.402 | 83.9 | 0.941 | 16.569 | 12.5 | 174.7 | 0.976D | 32.162A | 1.46 | 0.078 | 144.2 | 50.0 | 23.3 | 0.151 |
| | | 8.55 | 4.87 | 13.42 | ONE | 30.881 | 301.6 | -25.1 | 64.5 | | | | | | | | | | |
| 43930.0 | 52340.0 | 0.444 | 209.3 | -11.3 | 0.21 | 1.400 | 79.0 | 0.942 | 16.550 | 22.7 | 174.8 | 0.953D | 32.147A | 1.58 | 0.078 | 144.5 | 49.8 | 23.3 | 0.152 |
| | | 9.42 | 4.88 | 14.29 | ONE | 30.881 | 301.6 | -25.1 | 64.7 | | | | | | | | | | |
| 43940.0 | 52340.0 | 0.500 | 206.6 | -10.5 | 0.16 | 1.398 | 74.1 | 0.945 | 16.518 | 32.8 | 174.9 | 0.915D | 32.121A | 1.64 | 0.077 | 144.9 | 49.6 | 23.2 | 0.152 |
| | | 10.72 | 4.88 | 15.61 | ONE | 30.881 | 301.6 | -25.1 | 64.9 | | | | | | | | | | |
| 43950.0 | 52340.0 | 0.567 | 206.0 | -10.4 | 0.13 | 1.396 | 69.1 | 0.947 | 16.475 | 43.0 | 175.1 | 0.865D | 32.085A | 1.68 | 0.076 | 145.4 | 49.2 | 23.1 | 0.153 |
| | | 12.38 | 4.89 | 17.27 | ONE | 30.881 | 301.6 | -25.1 | 65.2 | | | | | | | | | | |

1978
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / DIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43960.0 | 52340.0 | 0.643 | 207.1 | -10.9 | 0.12 | 1.394 | 64.1 | 0.951 | 16.422 | 53.2 | 175.3 | 0.803D | 32.041A | 1.71 | 0.075 | 146.2 | 48.8 | 23.0 | 0.154 |
| | | 14.31 | 4.90 | 19.21 | ONE | 30.881 | 301.6 | -25.1 | 65.6 | | | | | | | | | | |
| ARRIVAL DATE = 2452540.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 52540.0 | 0.620 | 236.8 | -20.2 | -0.09 | 1.404 | 113.6 | 0.949 | 16.216 | 311.4 | 535.8 | 0.822 | 31.610A | 1.84 | 0.069 | 142.7 | 47.7 | 22.7 | 0.151 |
| | | 13.70 | 4.87 | 18.57 | TWO | 29.435 | 302.9 | -24.8 | 67.9 | | | | | | | | | | |
| 43870.0 | 52540.0 | 0.548 | 238.0 | -20.5 | -0.11 | 1.404 | 108.8 | 0.946 | 16.270 | 321.4 | 535.6 | 0.879 | 31.662A | 1.87 | 0.071 | 142.2 | 48.2 | 22.8 | 0.150 |
| | | 11.89 | 4.87 | 16.76 | TWO | 29.435 | 302.9 | -24.8 | 67.5 | | | | | | | | | | |
| 43880.0 | 52540.0 | 0.484 | 237.3 | -20.5 | -0.16 | 1.405 | 103.9 | 0.943 | 16.315 | 331.4 | 535.4 | 0.925 | 31.704A | 1.91 | 0.072 | 141.8 | 48.5 | 23.0 | 0.150 |
| | | 10.35 | 4.86 | 15.21 | TWO | 29.435 | 302.9 | -24.8 | 67.1 | | | | | | | | | | |
| 43890.0 | 52540.0 | 0.433 | 234.1 | -20.2 | -0.27 | 1.404 | 99.0 | 0.941 | 16.348 | 341.5 | 535.2 | 0.959 | 31.737A | 2.03 | 0.073 | 141.6 | 48.8 | 23.1 | 0.149 |
| | | 9.16 | 4.85 | 14.02 | TWO | 29.435 | 302.9 | -24.8 | 66.8 | | | | | | | | | | |
| 43900.0 | 52540.0 | 0.400 | 227.8 | -21.5 | -1.00 | 1.404 | 94.1 | 0.940 | 16.369 | 351.5 | 535.2 | 0.979 | 31.759A | 2.77 | 0.074 | 141.4 | 48.9 | 23.4 | 0.149 |
| | | 8.43 | 4.85 | 13.28 | TWO | 29.435 | 302.9 | -24.8 | 66.6 | | | | | | | | | | |
| 43910.0 | 52540.0 | 0.389 | 222.4 | -14.2 | 0.56 | 1.403 | 89.2 | 0.940 | 16.377 | 1.7 | 175.1 | 0.986D | 31.769A | 1.22 | 0.074 | 141.4 | 49.2 | 23.0 | 0.149 |
| | | 8.19 | 4.85 | 13.04 | ONE | 29.435 | 302.9 | -24.8 | 66.5 | | | | | | | | | | |
| 43920.0 | 52540.0 | 0.403 | 215.3 | -13.3 | 0.22 | 1.401 | 84.3 | 0.940 | 16.372 | 11.8 | 175.2 | 0.978D | 31.767A | 1.56 | 0.074 | 141.5 | 49.1 | 23.1 | 0.149 |
| | | 8.50 | 4.85 | 13.35 | ONE | 29.435 | 302.9 | -24.8 | 66.6 | | | | | | | | | | |
| 43930.0 | 52540.0 | 0.440 | 210.2 | -11.8 | 0.14 | 1.400 | 79.4 | 0.942 | 16.355 | 22.0 | 175.2 | 0.955D | 31.755A | 1.65 | 0.073 | 141.8 | 49.0 | 23.0 | 0.149 |
| | | 9.33 | 4.86 | 14.19 | ONE | 29.435 | 302.9 | -24.8 | 66.7 | | | | | | | | | | |
| 43940.0 | 52540.0 | 0.495 | 207.4 | -11.0 | 0.11 | 1.398 | 74.4 | 0.944 | 16.326 | 32.1 | 175.4 | 0.919D | 31.733A | 1.69 | 0.072 | 142.1 | 48.7 | 23.0 | 0.150 |
| | | 10.61 | 4.86 | 15.47 | ONE | 29.435 | 302.9 | -24.8 | 66.9 | | | | | | | | | | |
| 43950.0 | 52540.0 | 0.562 | 206.7 | -10.8 | 0.09 | 1.396 | 69.5 | 0.947 | 16.286 | 42.3 | 175.5 | 0.869D | 31.702A | 1.71 | 0.071 | 142.7 | 48.4 | 22.9 | 0.151 |
| | | 12.24 | 4.87 | 17.11 | ONE | 29.435 | 302.9 | -24.8 | 67.3 | | | | | | | | | | |
| 43960.0 | 52540.0 | 0.637 | 207.7 | -11.2 | 0.08 | 1.394 | 64.5 | 0.950 | 16.236 | 52.4 | 175.7 | 0.808D | 31.664A | 1.73 | 0.070 | 143.4 | 48.0 | 22.7 | 0.152 |
| | | 14.14 | 4.88 | 19.02 | ONE | 29.435 | 302.9 | -24.8 | 67.7 | | | | | | | | | | |
| ARRIVAL DATE = 2452740.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 52740.0 | 0.625 | 237.5 | -20.2 | -0.04 | 1.404 | 114.0 | 0.949 | 16.055 | 310.7 | 536.2 | 0.817 | 31.293A | 1.80 | 0.065 | 139.8 | 46.8 | 22.4 | 0.149 |
| | | 13.84 | 4.86 | 18.70 | TWO | 30.444 | 304.1 | -24.5 | 70.0 | | | | | | | | | | |
| 43870.0 | 52740.0 | 0.553 | 238.8 | -20.5 | -0.05 | 1.404 | 109.1 | 0.946 | 16.106 | 320.6 | 536.0 | 0.875 | 31.338A | 1.81 | 0.066 | 139.3 | 47.3 | 22.6 | 0.148 |
| | | 12.02 | 4.85 | 16.86 | TWO | 30.444 | 304.1 | -24.5 | 69.5 | | | | | | | | | | |
| 43880.0 | 52740.0 | 0.488 | 238.3 | -20.4 | -0.06 | 1.404 | 104.2 | 0.943 | 16.149 | 330.7 | 535.8 | 0.922 | 31.375A | 1.83 | 0.068 | 138.9 | 47.7 | 22.7 | 0.148 |
| | | 10.45 | 4.84 | 15.29 | TWO | 30.444 | 304.1 | -24.5 | 69.1 | | | | | | | | | | |
| 43890.0 | 52740.0 | 0.436 | 235.3 | -20.0 | -0.10 | 1.404 | 99.3 | 0.941 | 16.180 | 340.7 | 535.7 | 0.957 | 31.404A | 1.87 | 0.069 | 138.6 | 48.0 | 22.8 | 0.147 |
| | | 9.23 | 4.84 | 14.07 | TWO | 30.444 | 304.1 | -24.5 | 68.8 | | | | | | | | | | |
| 43900.0 | 52740.0 | 0.401 | 229.7 | -19.4 | -0.31 | 1.403 | 94.4 | 0.940 | 16.201 | 350.8 | 535.6 | 0.979 | 31.423A | 2.09 | 0.069 | 138.5 | 48.1 | 22.9 | 0.147 |
| | | 8.45 | 4.83 | 13.28 | TWO | 30.444 | 304.1 | -24.5 | 68.7 | | | | | | | | | | |
| 43910.0 | 52740.0 | 0.388 | 223.4 | -15.5 | 0.28 | 1.402 | 89.5 | 0.939 | 16.209 | 1.0 | 175.6 | 0.986D | 31.432A | 1.49 | 0.069 | 138.5 | 48.3 | 22.8 | 0.146 |
| | | 8.18 | 4.83 | 13.01 | ONE | 30.444 | 304.1 | -24.5 | 68.6 | | | | | | | | | | |
| 43920.0 | 52740.0 | 0.401 | 216.3 | -14.1 | 0.10 | 1.401 | 84.6 | 0.940 | 16.205 | 11.1 | 175.6 | 0.979D | 31.432A | 1.68 | 0.069 | 138.6 | 48.2 | 22.8 | 0.147 |
| | | 8.46 | 4.83 | 13.29 | ONE | 30.444 | 304.1 | -24.5 | 68.6 | | | | | | | | | | |
| 43930.0 | 52740.0 | 0.437 | 211.1 | -12.4 | 0.06 | 1.399 | 79.7 | 0.941 | 16.189 | 21.2 | 175.7 | 0.957D | 31.422A | 1.72 | 0.069 | 138.8 | 48.1 | 22.8 | 0.147 |
| | | 9.25 | 4.84 | 14.09 | ONE | 30.444 | 304.1 | -24.5 | 68.7 | | | | | | | | | | |
| 43940.0 | 52740.0 | 0.490 | 208.1 | -11.4 | 0.05 | 1.398 | 74.8 | 0.943 | 16.162 | 31.4 | 175.8 | 0.922D | 31.403A | 1.74 | 0.068 | 139.2 | 47.9 | 22.7 | 0.148 |
| | | 10.50 | 4.84 | 15.34 | ONE | 30.444 | 304.1 | -24.5 | 68.9 | | | | | | | | | | |
| 43950.0 | 52740.0 | 0.556 | 207.3 | -11.2 | 0.04 | 1.396 | 69.9 | 0.946 | 16.125 | 41.5 | 176.0 | 0.874D | 31.377A | 1.75 | 0.067 | 139.7 | 47.6 | 22.6 | 0.149 |
| | | 12.10 | 4.85 | 16.95 | ONE | 30.444 | 304.1 | -24.5 | 69.2 | | | | | | | | | | |
| 43960.0 | 52740.0 | 0.630 | 208.3 | -11.5 | 0.03 | 1.394 | 64.9 | 0.949 | 16.079 | 51.6 | 176.2 | 0.814D | 31.345A | 1.76 | 0.066 | 140.4 | 47.2 | 22.5 | 0.150 |
| | | 13.98 | 4.86 | 18.84 | ONE | 30.444 | 304.1 | -24.5 | 69.6 | | | | | | | | | | |
| ARRIVAL DATE = 2453140.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 53140.0 | 0.637 | 238.9 | -20.2 | 0.06 | 1.403 | 114.7 | 0.949 | 15.803 | 309.1 | 537.1 | 0.807 | 30.800A | 1.73 | 0.057 | 133.0 | 45.2 | 21.8 | 0.146 |
| | | 14.15 | 4.83 | 18.98 | TWO | 29.894 | 306.7 | -23.8 | 74.0 | | | | | | | | | | |
| 43870.0 | 53140.0 | 0.563 | 240.5 | -20.5 | 0.08 | 1.404 | 109.8 | 0.945 | 15.850 | 319.1 | 536.9 | 0.867 | 30.833A | 1.71 | 0.059 | 132.5 | 45.7 | 22.0 | 0.145 |
| | | 12.28 | 4.82 | 17.10 | TWO | 29.894 | 306.7 | -23.8 | 73.5 | | | | | | | | | | |
| 43880.0 | 53140.0 | 0.497 | 240.2 | -20.3 | 0.10 | 1.404 | 104.9 | 0.942 | 15.888 | 329.2 | 536.7 | 0.916 | 30.861A | 1.68 | 0.060 | 132.2 | 46.0 | 22.1 | 0.144 |
| | | 10.66 | 4.81 | 15.48 | TWO | 29.894 | 306.7 | -23.8 | 73.1 | | | | | | | | | | |
| 43890.0 | 53140.0 | 0.442 | 237.7 | -19.6 | 0.16 | 1.404 | 100.1 | 0.940 | 15.918 | 339.2 | 536.6 | 0.953 | 30.883A | 1.62 | 0.061 | 132.0 | 46.3 | 22.2 | 0.144 |
| | | 9.38 | 4.81 | 14.19 | TWO | 29.894 | 306.7 | -23.8 | 72.9 | | | | | | | | | | |
| 43900.0 | 53140.0 | 0.404 | 232.9 | -17.7 | 0.38 | 1.403 | 95.2 | 0.939 | 15.937 | 349.3 | 536.5 | 0.976 | 30.898A | 1.40 | 0.062 | 131.9 | 46.5 | 22.2 | 0.143 |
| | | 8.53 | 4.80 | 13.34 | TWO | 29.894 | 306.7 | -23.8 | 72.7 | | | | | | | | | | |
| 43910.0 | 53140.0 | 0.389 | 224.7 | -20.5 | -0.93 | 1.402 | 90.3 | 0.938 | 15.946 | 359.5 | 536.5 | 0.986 | 30.906A | 2.70 | 0.062 | 131.9 | 46.5 | 22.7 | 0.143 |
| | | 8.19 | 4.80 | 12.99 | ONE | 29.894 | 306.7 | -23.8 | 72.6 | | | | | | | | | | |
| 43920.0 | 53140.0 | 0.397 | 218.4 | -15.9 | -0.21 | 1.401 | 85.4 | 0.938 | 15.944 | 9.6 | 176.5 | 0.981D | 30.906A | 1.98 | 0.062 | 132.0 | 46.6 | 22.4 | 0.143 |
| | | 8.38 | 4.80 | 13.18 | ONE | 29.894 | 306.7 | -23.8 | 72.6 | | | | | | | | | | |

1978
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43930.0 | 53140.0 | 0.430 | 213.0 | -13.7 | -0.12 | 1.399 | 80.5 | 0.940 | 15.931 | 19.7 | 176.6 | 0.962D | 30.900A | 1.88 | 0.061 | 132.2 | 46.5 | 22.4 | 0.143 |
| | | 9.09 | 4.81 | 13.90 | ONE | 29.894 | 306.7 | -23.8 | 72.7 | | | | | | | | | | |
| 43940.0 | 53140.0 | 0.480 | 209.8 | -12.4 | -0.09 | 1.397 | 75.5 | 0.942 | 15.908 | 29.8 | 176.7 | 0.929D | 30.887A | 1.85 | 0.061 | 132.5 | 46.3 | 22.3 | 0.144 |
| | | 10.27 | 4.81 | 15.08 | ONE | 29.894 | 306.7 | -23.8 | 72.9 | | | | | | | | | | |
| 43950.0 | 53140.0 | 0.545 | 208.7 | -12.0 | -0.07 | 1.395 | 70.6 | 0.944 | 15.876 | 39.9 | 176.8 | 0.882D | 30.869A | 1.82 | 0.059 | 132.9 | 46.0 | 22.2 | 0.145 |
| | | 11.82 | 4.82 | 16.64 | ONE | 29.894 | 306.7 | -23.8 | 73.1 | | | | | | | | | | |
| 43960.0 | 53140.0 | 0.618 | 209.5 | -12.2 | -0.06 | 1.393 | 65.7 | 0.948 | 15.835 | 50.0 | 176.9 | 0.824D | 30.846A | 1.81 | 0.058 | 133.5 | 45.7 | 22.0 | 0.146 |
| | | 13.65 | 4.83 | 18.48 | ONE | 29.894 | 306.7 | -23.8 | 73.5 | | | | | | | | | | |
| ARRIVAL DATE = 2453540.0 | | | | | | | | | | | | | | | | | | | |
| 43860.0 | 53540.0 | 0.650 | 240.3 | -20.3 | 0.16 | 1.403 | 115.5 | 0.949 | 15.626 | 307.5 | 537.8 | 0.796 | 30.456A | 1.67 | 0.051 | 125.0 | 43.8 | 21.3 | 0.144 |
| | | 14.47 | 4.81 | 19.28 | TWO | 29.388 | 309.1 | -23.1 | 77.8 | | | | | | | | | | |
| 43870.0 | 53540.0 | 0.575 | 242.1 | -20.5 | 0.19 | 1.404 | 110.6 | 0.945 | 15.669 | 317.5 | 537.7 | 0.858 | 30.480A | 1.63 | 0.052 | 124.7 | 44.2 | 21.5 | 0.143 |
| | | 12.57 | 4.80 | 17.37 | TWO | 29.388 | 309.1 | -23.1 | 77.3 | | | | | | | | | | |
| 43880.0 | 53540.0 | 0.507 | 242.2 | -20.3 | 0.24 | 1.404 | 105.7 | 0.942 | 15.705 | 327.6 | 537.5 | 0.909 | 30.500A | 1.56 | 0.054 | 124.5 | 44.6 | 21.6 | 0.142 |
| | | 10.90 | 4.79 | 15.69 | TWO | 29.388 | 309.1 | -23.1 | 77.0 | | | | | | | | | | |
| 43890.0 | 53540.0 | 0.450 | 240.1 | -19.5 | 0.36 | 1.403 | 100.8 | 0.940 | 15.732 | 337.7 | 537.4 | 0.948 | 30.517A | 1.43 | 0.055 | 124.4 | 44.9 | 21.7 | 0.141 |
| | | 9.56 | 4.79 | 14.34 | TWO | 29.388 | 309.1 | -23.1 | 76.7 | | | | | | | | | | |
| 43900.0 | 53540.0 | 0.409 | 235.7 | -17.2 | 0.73 | 1.403 | 95.9 | 0.938 | 15.751 | 347.8 | 537.4 | 0.974 | 30.528A | 1.05 | 0.055 | 124.3 | 45.1 | 21.6 | 0.141 |
| | | 8.64 | 4.78 | 13.42 | TWO | 29.388 | 309.1 | -23.1 | 76.5 | | | | | | | | | | |
| 43910.0 | 53540.0 | 0.466 | 211.4 | -55.9 | -12.34 | 1.402 | 91.0 | 0.937 | 15.760 | 357.9 | 537.3 | 0.986 | 30.534A | 14.11 | 0.056 | 124.3 | 43.5 | 25.6 | 0.142 |
| | | 9.93 | 4.79 | 14.72 | ONE | 29.388 | 309.1 | -23.1 | 76.6 | | | | | | | | | | |
| 43920.0 | 53540.0 | 0.394 | 220.6 | -18.2 | -0.66 | 1.400 | 86.1 | 0.938 | 15.759 | 8.0 | 177.3 | 0.983D | 30.535A | 2.42 | 0.056 | 124.4 | 45.0 | 22.1 | 0.140 |
| | | 8.31 | 4.78 | 13.09 | ONE | 29.388 | 309.1 | -23.1 | 76.4 | | | | | | | | | | |
| 43930.0 | 53540.0 | 0.423 | 215.1 | -15.2 | -0.34 | 1.399 | 81.2 | 0.939 | 15.749 | 18.1 | 177.4 | 0.966D | 30.532A | 2.09 | 0.055 | 124.5 | 45.0 | 22.0 | 0.141 |
| | | 8.94 | 4.78 | 13.72 | ONE | 29.388 | 309.1 | -23.1 | 76.5 | | | | | | | | | | |
| 43940.0 | 53540.0 | 0.471 | 211.6 | -13.5 | -0.24 | 1.397 | 76.3 | 0.941 | 15.729 | 28.2 | 177.4 | 0.935D | 30.523A | 1.97 | 0.055 | 124.8 | 44.9 | 21.9 | 0.141 |
| | | 10.05 | 4.79 | 14.84 | ONE | 29.388 | 309.1 | -23.1 | 76.6 | | | | | | | | | | |
| 43950.0 | 53540.0 | 0.533 | 210.3 | -12.8 | -0.19 | 1.395 | 71.4 | 0.943 | 15.701 | 38.3 | 177.5 | 0.891D | 30.511A | 1.91 | 0.054 | 125.1 | 44.6 | 21.7 | 0.142 |
| | | 11.54 | 4.80 | 16.33 | ONE | 29.388 | 309.1 | -23.1 | 76.9 | | | | | | | | | | |
| 43960.0 | 53540.0 | 0.605 | 210.8 | -12.9 | -0.16 | 1.393 | 66.5 | 0.947 | 15.665 | 48.4 | 177.7 | 0.835D | 30.495A | 1.87 | 0.052 | 125.5 | 44.3 | 21.6 | 0.144 |
| | | 13.32 | 4.81 | 18.13 | ONE | 29.388 | 309.1 | -23.1 | 77.2 | | | | | | | | | | |
| ARRIVAL DATE = 2453940.0 | | | | | | | | | | | | | | | | | | | |
| 43870.0 | 53940.0 | 0.587 | 243.8 | -20.6 | 0.29 | 1.403 | 111.4 | 0.945 | 15.546 | 315.9 | 538.4 | 0.848 | 30.244A | 1.55 | 0.047 | 115.7 | 42.9 | 21.0 | 0.141 |
| | | 12.87 | 4.79 | 17.66 | TWO | 29.075 | 311.6 | -22.3 | 81.0 | | | | | | | | | | |
| 43880.0 | 53940.0 | 0.518 | 244.2 | -20.4 | 0.37 | 1.403 | 106.5 | 0.942 | 15.579 | 325.9 | 538.3 | 0.901 | 30.257A | 1.45 | 0.049 | 115.7 | 43.3 | 21.1 | 0.140 |
| | | 11.16 | 4.78 | 15.94 | TWO | 29.075 | 311.6 | -22.3 | 80.7 | | | | | | | | | | |
| 43890.0 | 53940.0 | 0.458 | 242.4 | -19.5 | 0.52 | 1.403 | 101.6 | 0.940 | 15.606 | 336.0 | 538.2 | 0.943 | 30.269A | 1.28 | 0.050 | 115.8 | 43.6 | 21.2 | 0.139 |
| | | 9.75 | 4.77 | 14.53 | TWO | 29.075 | 311.6 | -22.3 | 80.4 | | | | | | | | | | |
| 43900.0 | 53940.0 | 0.415 | 238.5 | -17.1 | 0.94 | 1.403 | 96.7 | 0.938 | 15.624 | 346.2 | 538.1 | 0.971 | 30.277A | 0.84 | 0.051 | 115.8 | 43.8 | 21.1 | 0.139 |
| | | 8.76 | 4.77 | 13.52 | TWO | 29.075 | 311.6 | -22.3 | 80.2 | | | | | | | | | | |
| 43910.0 | 53940.0 | 0.410 | 236.6 | 1.8 | 6.08 | 1.402 | 91.8 | 0.937 | 15.633 | 356.3 | 538.1 | 0.985 | 30.281A | -4.31 | 0.051 | 115.9 | 44.5 | 19.6 | 0.139 |
| | | 8.67 | 4.77 | 13.43 | TWO | 29.075 | 311.6 | -22.3 | 80.1 | | | | | | | | | | |
| 43920.0 | 53940.0 | 0.392 | 222.6 | -21.4 | -1.36 | 1.400 | 86.9 | 0.937 | 15.634 | 6.4 | 178.1 | 0.985D | 30.283A | 3.11 | 0.051 | 115.9 | 43.7 | 21.9 | 0.139 |
| | | 8.27 | 4.77 | 13.03 | ONE | 29.075 | 311.6 | -22.3 | 80.1 | | | | | | | | | | |
| 43930.0 | 53940.0 | 0.417 | 217.2 | -16.9 | -0.62 | 1.399 | 82.0 | 0.938 | 15.625 | 16.5 | 178.1 | 0.970D | 30.281A | 2.35 | 0.051 | 116.0 | 43.7 | 21.6 | 0.139 |
| | | 8.80 | 4.77 | 13.57 | ONE | 29.075 | 311.6 | -22.3 | 80.1 | | | | | | | | | | |
| 43940.0 | 53940.0 | 0.462 | 213.5 | -14.7 | -0.41 | 1.397 | 77.1 | 0.940 | 15.609 | 26.6 | 178.2 | 0.942D | 30.275A | 2.12 | 0.050 | 116.1 | 43.6 | 21.5 | 0.140 |
| | | 9.83 | 4.77 | 14.60 | ONE | 29.075 | 311.6 | -22.3 | 80.3 | | | | | | | | | | |
| 43950.0 | 53940.0 | 0.522 | 211.9 | -13.7 | -0.31 | 1.395 | 72.2 | 0.942 | 15.584 | 36.6 | 178.3 | 0.900D | 30.268A | 2.01 | 0.049 | 116.3 | 43.4 | 21.4 | 0.140 |
| | | 11.26 | 4.78 | 16.04 | ONE | 29.075 | 311.6 | -22.3 | 80.5 | | | | | | | | | | |
| 43960.0 | 53940.0 | 0.592 | 212.1 | -13.6 | -0.26 | 1.393 | 67.4 | 0.946 | 15.552 | 46.6 | 178.3 | 0.846D | 30.257A | 1.94 | 0.048 | 116.5 | 43.2 | 21.2 | 0.142 |
| | | 12.99 | 4.79 | 17.78 | ONE | 29.075 | 311.6 | -22.3 | 80.7 | | | | | | | | | | |
| ARRIVAL DATE = 2454340.0 | | | | | | | | | | | | | | | | | | | |
| 43870.0 | 54340.0 | 0.600 | 245.4 | -20.7 | 0.38 | 1.403 | 112.3 | 0.946 | 15.468 | 314.1 | 539.1 | 0.838 | 30.099A | 1.48 | 0.044 | 105.8 | 41.9 | 20.6 | 0.141 |
| | | 13.20 | 4.78 | 17.98 | TWO | 29.046 | 314.1 | -21.6 | 84.5 | | | | | | | | | | |
| 43880.0 | 54340.0 | 0.529 | 246.1 | -20.4 | 0.47 | 1.403 | 107.3 | 0.942 | 15.500 | 324.2 | 539.0 | 0.893 | 30.107A | 1.37 | 0.046 | 106.1 | 42.2 | 20.7 | 0.139 |
| | | 11.44 | 4.77 | 16.21 | TWO | 29.046 | 314.1 | -21.6 | 84.1 | | | | | | | | | | |
| 43890.0 | 54340.0 | 0.468 | 244.8 | -19.5 | 0.65 | 1.403 | 102.4 | 0.940 | 15.525 | 334.4 | 538.9 | 0.937 | 30.113A | 1.16 | 0.047 | 106.4 | 42.5 | 20.8 | 0.138 |
| | | 9.97 | 4.76 | 14.73 | TWO | 29.046 | 314.1 | -21.6 | 83.9 | | | | | | | | | | |
| 43900.0 | 54340.0 | 0.421 | 241.2 | -17.2 | 1.08 | 1.402 | 97.5 | 0.938 | 15.543 | 344.5 | 538.9 | 0.967 | 30.118A | 0.70 | 0.048 | 106.6 | 42.7 | 20.7 | 0.138 |
| | | 8.90 | 4.76 | 13.66 | TWO | 29.046 | 314.1 | -21.6 | 83.7 | | | | | | | | | | |
| 43910.0 | 54340.0 | 0.400 | 237.3 | -6.9 | 3.64 | 1.401 | 92.6 | 0.937 | 15.553 | 354.6 | 538.8 | 0.984 | 30.121A | -1.88 | 0.048 | 106.7 | 43.2 | 19.9 | 0.137 |
| | | 8.44 | 4.76 | 13.19 | TWO | 29.046 | 314.1 | -21.6 | 83.6 | | | | | | | | | | |

1978
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43920.0 | 54340.0 | 0.393 | 224.1 | -26.6 | -2.62 | 1.400 | 87.7 | 0.937 | 15.554 | 4.7 | 178.8 | 0.986D | 30.123A | 4.36 | 0.048 | 106.8 | 42.4 | 21.9 | 0.138 |
| | | 8.29 | 4.76 | 13.04 | ONE | 29.046 | 314.1 | -21.6 | 83.6 | | | | | | | | | | |
| 43930.0 | 54340.0 | 0.411 | 219.4 | -18.9 | -0.98 | 1.399 | 82.8 | 0.937 | 15.548 | 14.8 | 178.8 | 0.974D | 30.122A | 2.69 | 0.048 | 106.8 | 42.6 | 21.4 | 0.138 |
| | | 8.68 | 4.76 | 13.44 | ONE | 29.046 | 314.1 | -21.6 | 83.6 | | | | | | | | | | |
| 43940.0 | 54340.0 | 0.453 | 215.4 | -16.1 | -0.61 | 1.397 | 78.0 | 0.939 | 15.533 | 24.9 | 178.9 | 0.948D | 30.119A | 2.30 | 0.047 | 106.8 | 42.5 | 21.2 | 0.138 |
| | | 9.62 | 4.76 | 14.39 | ONE | 29.046 | 314.1 | -21.6 | 83.7 | | | | | | | | | | |
| 43950.0 | 54340.0 | 0.510 | 213.6 | -14.8 | -0.46 | 1.395 | 73.1 | 0.941 | 15.511 | 34.9 | 178.9 | 0.908D | 30.115A | 2.12 | 0.046 | 106.7 | 42.4 | 21.1 | 0.139 |
| | | 10.98 | 4.77 | 15.75 | ONE | 29.046 | 314.1 | -21.6 | 83.9 | | | | | | | | | | |
| 43960.0 | 54340.0 | 0.579 | 213.6 | -14.4 | -0.37 | 1.393 | 68.2 | 0.945 | 15.483 | 44.9 | 179.0 | 0.857D | 30.109A | 2.01 | 0.045 | 106.7 | 42.2 | 20.9 | 0.140 |
| | | 12.67 | 4.78 | 17.45 | ONE | 29.046 | 314.1 | -21.6 | 84.1 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2446110.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446310.0 | | | | | | | | | | |
| 44270.0 | 46310.0 | 0.637 | 244.5 | -16.8 | 1.81 | 1.612 | 99.3 | 1.547 | -1.762 | 344.7 | 486.4 | 0.964 | NA | -0.04 | 0.796 | 176.3 | 71.1 | 27.5 | 0.806 |
| | | 14.14 | 17.84 | 31.98 | ONE | 29.838 | 261.5 | -28.5 | 9.2 | | | | | | | | | | |
| 44280.0 | 46310.0 | 0.606 | 239.7 | -16.5 | 1.50 | 1.612 | 93.5 | 1.562 | -1.751 | 354.3 | 485.9 | 0.984 | NA | 0.38 | 0.798 | 176.2 | 71.1 | 27.5 | 0.808 |
| | | 13.36 | 17.89 | 31.26 | ONE | 29.838 | 261.5 | -28.5 | 9.2 | | | | | | | | | | |
| 44290.0 | 46310.0 | 0.602 | 233.5 | -15.6 | 1.31 | 1.611 | 87.4 | 1.567 | -1.742 | 4.2 | 125.8 | 0.987D | NA | 0.69 | 0.800 | 176.2 | 71.2 | 27.5 | 0.810 |
| | | 13.26 | 17.94 | 31.20 | ONE | 29.838 | 261.5 | -28.5 | 9.1 | | | | | | | | | | |
| 44300.0 | 46310.0 | 0.628 | 227.3 | -14.5 | 1.20 | 1.611 | 81.1 | 1.560 | -1.735 | 14.5 | 126.0 | 0.972D | NA | 0.94 | 0.802 | 176.3 | 71.1 | 27.5 | 0.811 |
| | | 13.93 | 17.98 | 31.90 | ONE | 29.838 | 261.5 | -28.5 | 9.2 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446510.0 | | | | | | | | | | |
| 44260.0 | 46510.0 | 0.631 | 244.5 | -15.4 | 2.41 | 1.572 | 103.1 | 1.414 | -2.275 | 337.7 | 490.9 | 0.941 | NA | -0.75 | 0.711 | 176.0 | 71.0 | 27.4 | 0.723 |
| | | 14.00 | 15.74 | 29.74 | ONE | 30.315 | 262.8 | -28.6 | 10.5 | | | | | | | | | | |
| 44270.0 | 46510.0 | 0.586 | 241.0 | -15.9 | 1.81 | 1.573 | 97.5 | 1.430 | -2.258 | 347.2 | 490.1 | 0.971 | NA | -0.04 | 0.713 | 175.9 | 71.1 | 27.5 | 0.725 |
| | | 12.85 | 15.78 | 28.64 | ONE | 30.315 | 262.8 | -28.6 | 10.4 | | | | | | | | | | |
| 44280.0 | 46510.0 | 0.562 | 235.5 | -15.4 | 1.48 | 1.572 | 91.8 | 1.439 | -2.245 | 356.9 | 489.8 | 0.986 | NA | 0.39 | 0.715 | 175.9 | 71.2 | 27.5 | 0.726 |
| | | 12.26 | 15.82 | 28.08 | ONE | 30.315 | 262.8 | -28.6 | 10.3 | | | | | | | | | | |
| 44290.0 | 46510.0 | 0.566 | 229.0 | -14.4 | 1.29 | 1.572 | 85.9 | 1.440 | -2.236 | 7.0 | 129.7 | 0.984D | NA | 0.70 | 0.717 | 175.9 | 71.2 | 27.5 | 0.728 |
| | | 12.35 | 15.86 | 28.21 | ONE | 30.315 | 262.8 | -28.6 | 10.3 | | | | | | | | | | |
| 44300.0 | 46510.0 | 0.599 | 222.9 | -13.3 | 1.18 | 1.571 | 79.7 | 1.433 | -2.229 | 17.4 | 130.1 | 0.964D | NA | 0.94 | 0.717 | 175.9 | 71.2 | 27.6 | 0.729 |
| | | 13.18 | 15.88 | 29.07 | ONE | 30.315 | 262.8 | -28.6 | 10.3 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446710.0 | | | | | | | | | | |
| 44250.0 | 46710.0 | 0.646 | 244.2 | -12.1 | 3.96 | 1.542 | 106.7 | 1.313 | -2.913 | 330.6 | 495.1 | 0.912 | NA | -2.40 | 0.640 | 175.7 | 70.9 | 27.3 | 0.653 |
| | | 14.38 | 14.03 | 28.41 | ONE | 30.375 | 264.2 | -28.7 | 11.8 | | | | | | | | | | |
| 44260.0 | 46710.0 | 0.588 | 241.8 | -14.5 | 2.44 | 1.542 | 101.5 | 1.329 | -2.888 | 339.9 | 494.2 | 0.950 | NA | -0.78 | 0.642 | 175.6 | 71.0 | 27.4 | 0.655 |
| | | 12.89 | 14.08 | 26.97 | ONE | 30.375 | 264.2 | -28.7 | 11.6 | | | | | | | | | | |
| 44270.0 | 46710.0 | 0.547 | 237.6 | -14.9 | 1.81 | 1.542 | 96.0 | 1.340 | -2.869 | 349.5 | 493.6 | 0.976 | NA | -0.04 | 0.644 | 175.5 | 71.1 | 27.5 | 0.657 |
| | | 11.89 | 14.12 | 26.00 | ONE | 30.375 | 264.2 | -28.7 | 11.5 | | | | | | | | | | |
| 44280.0 | 46710.0 | 0.530 | 231.6 | -14.4 | 1.47 | 1.542 | 90.4 | 1.346 | -2.854 | 359.3 | 493.3 | 0.987 | NA | 0.40 | 0.645 | 175.5 | 71.2 | 27.5 | 0.658 |
| | | 11.46 | 14.15 | 25.60 | ONE | 30.375 | 264.2 | -28.7 | 11.5 | | | | | | | | | | |
| 44290.0 | 46710.0 | 0.540 | 225.0 | -13.3 | 1.28 | 1.541 | 84.6 | 1.345 | -2.844 | 9.5 | 133.4 | 0.981D | NA | 0.71 | 0.646 | 175.5 | 71.2 | 27.5 | 0.659 |
| | | 11.71 | 14.17 | 25.88 | ONE | 30.375 | 264.2 | -28.7 | 11.5 | | | | | | | | | | |
| 44300.0 | 46710.0 | 0.579 | 219.1 | -12.1 | 1.16 | 1.540 | 78.6 | 1.337 | -2.838 | 20.0 | 133.8 | 0.957D | NA | 0.95 | 0.647 | 175.6 | 71.1 | 27.6 | 0.660 |
| | | 12.68 | 14.19 | 26.87 | ONE | 30.375 | 264.2 | -28.7 | 11.5 | | | | | | | | | | |
| 44310.0 | 46710.0 | 0.643 | 215.0 | -11.3 | 1.09 | 1.538 | 72.4 | 1.322 | -2.834 | 30.8 | 134.7 | 0.914D | NA | 1.16 | 0.647 | 175.7 | 71.0 | 27.6 | 0.660 |
| | | 14.31 | 14.21 | 28.52 | ONE | 30.375 | 264.2 | -28.7 | 11.6 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446910.0 | | | | | | | | | | |
| 44250.0 | 46910.0 | 0.609 | 242.4 | -10.8 | 4.16 | 1.518 | 105.3 | 1.251 | -3.679 | 332.5 | 498.1 | 0.922 | NA | -2.59 | 0.581 | 175.3 | 70.9 | 27.2 | 0.596 |
| | | 13.44 | 12.68 | 26.12 | ONE | 29.765 | 265.5 | -28.7 | 13.0 | | | | | | | | | | |
| 44260.0 | 46910.0 | 0.554 | 239.3 | -13.6 | 2.48 | 1.519 | 100.1 | 1.262 | -3.649 | 341.9 | 497.4 | 0.957 | NA | -0.82 | 0.583 | 175.2 | 71.0 | 27.4 | 0.597 |
| | | 12.04 | 12.72 | 24.76 | ONE | 29.765 | 265.5 | -28.7 | 12.8 | | | | | | | | | | |
| 44270.0 | 46910.0 | 0.518 | 234.5 | -14.0 | 1.81 | 1.518 | 94.8 | 1.270 | -3.626 | 351.5 | 496.8 | 0.979 | NA | -0.04 | 0.585 | 175.2 | 71.1 | 27.5 | 0.599 |
| | | 11.16 | 12.75 | 23.90 | ONE | 29.765 | 265.5 | -28.7 | 12.7 | | | | | | | | | | |
| 44280.0 | 46910.0 | 0.506 | 228.2 | -13.4 | 1.46 | 1.518 | 89.2 | 1.273 | -3.609 | 1.4 | 136.6 | 0.987D | NA | 0.41 | 0.586 | 175.1 | 71.2 | 27.5 | 0.600 |
| | | 10.87 | 12.77 | 23.64 | ONE | 29.765 | 265.5 | -28.7 | 12.7 | | | | | | | | | | |
| 44290.0 | 46910.0 | 0.522 | 221.5 | -12.2 | 1.26 | 1.517 | 83.5 | 1.272 | -3.598 | 11.7 | 136.8 | 0.977D | NA | 0.72 | 0.587 | 175.2 | 71.1 | 27.5 | 0.600 |
| | | 11.26 | 12.79 | 24.05 | ONE | 29.765 | 265.5 | -28.7 | 12.7 | | | | | | | | | | |
| 44300.0 | 46910.0 | 0.565 | 215.9 | -11.1 | 1.14 | 1.515 | 77.6 | 1.264 | -3.592 | 22.2 | 137.3 | 0.950D | NA | 0.96 | 0.587 | 175.3 | 71.1 | 27.6 | 0.601 |
| | | 12.33 | 12.80 | 25.14 | ONE | 29.765 | 265.5 | -28.7 | 12.8 | | | | | | | | | | |
| 44310.0 | 46910.0 | 0.633 | 212.2 | -10.4 | 1.07 | 1.514 | 71.5 | 1.252 | -3.591 | 33.1 | 138.2 | 0.904D | NA | 1.17 | 0.587 | 175.4 | 70.9 | 27.5 | 0.602 |
| | | 14.04 | 12.82 | 26.85 | ONE | 29.765 | 265.5 | -28.7 | 12.9 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447110.0 | | | | | | | | | | |
| 44250.0 | 47110.0 | 0.580 | 240.7 | -9.4 | 4.40 | 1.500 | 104.1 | 1.200 | -4.639 | 334.1 | 501.0 | 0.930 | NA | -2.82 | 0.531 | 174.9 | 70.8 | 27.2 | 0.547 |
| | | 12.69 | 11.56 | 24.25 | ONE | 30.860 | 266.9 | -28.8 | 14.2 | | | | | | | | | | |
| 44260.0 | 47110.0 | 0.526 | 237.0 | -12.7 | 2.53 | 1.500 | 99.0 | 1.209 | -4.602 | 343.6 | 500.3 | 0.962 | NA | -0.85 | 0.532 | 174.8 | 71.0 | 27.4 | 0.548 |
| | | 11.37 | 11.59 | 22.96 | ONE | 30.860 | 266.9 | -28.8 | 14.1 | | | | | | | | | | |
| 44270.0 | 47110.0 | 0.494 | 231.7 | -13.1 | 1.81 | 1.500 | 93.7 | 1.215 | -4.573 | 353.3 | 499.8 | 0.982 | NA | -0.04 | 0.534 | 174.8 | 71.1 | 27.5 | 0.549 |
| | | 10.60 | 11.61 | 22.21 | ONE | 30.860 | 266.9 | -28.8 | 14.0 | | | | | | | | | | |
| 44280.0 | 47110.0 | 0.487 | 225.1 | -12.4 | 1.45 | 1.499 | 88.2 | 1.216 | -4.554 | 3.3 | 139.7 | 0.986D | NA | 0.41 | 0.535 | 174.7 | 71.1 | 27.5 | 0.550 |
| | | 10.43 | 11.63 | 22.06 | ONE | 30.860 | 266.9 | -28.8 | 13.9 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44290.0 | 47110.0 | 0.508 | 218.5 | -11.3 | 1.24 | 1.498 | 82.5 | 1.214 | -4.542 | 13.6 | 139.9 | 0.974D | NA | 0.73 | 0.535 | 174.8 | 71.1 | 27.5 | 0.550 |
| | | 10.93 | 11.64 | 22.57 | ONE | 30.860 | 266.9 | -28.8 | 14.0 | | | | | | | | | | |
| 44300.0 | 47110.0 | 0.556 | 213.2 | -10.3 | 1.11 | 1.496 | 76.7 | 1.208 | -4.538 | 24.2 | 140.4 | 0.943D | NA | 0.97 | 0.535 | 174.9 | 71.0 | 27.5 | 0.551 |
| | | 12.09 | 11.66 | 23.75 | ONE | 30.860 | 266.9 | -28.8 | 14.0 | | | | | | | | | | |
| 44310.0 | 47110.0 | 0.625 | 209.9 | -9.7 | 1.04 | 1.494 | 70.8 | 1.197 | -4.540 | 35.1 | 141.3 | 0.895D | NA | 1.17 | 0.535 | 175.0 | 70.8 | 27.5 | 0.551 |
| | | 13.84 | 11.66 | 25.51 | ONE | 30.860 | 266.9 | -28.8 | 14.2 | | | | | | | | | | |
| ARRIVAL DATE = 2447310.0 | | | | | | | | | | | | | | | | | | | |
| 44250.0 | 47310.0 | 0.556 | 239.3 | -8.0 | 4.68 | 1.485 | 103.1 | 1.160 | -5.860 | 335.5 | 503.6 | 0.936 | NA | -3.09 | 0.487 | 174.4 | 70.8 | 27.1 | 0.504 |
| | | 12.11 | 10.62 | 22.73 | ONE | 29.346 | 268.2 | -28.8 | 15.5 | | | | | | | | | | |
| 44260.0 | 47310.0 | 0.504 | 235.0 | -11.8 | 2.57 | 1.485 | 98.0 | 1.166 | -5.812 | 345.1 | 502.9 | 0.966 | NA | -0.90 | 0.488 | 174.4 | 70.9 | 27.4 | 0.505 |
| | | 10.84 | 10.64 | 21.48 | ONE | 29.346 | 268.2 | -28.8 | 15.3 | | | | | | | | | | |
| 44270.0 | 47310.0 | 0.476 | 229.3 | -12.3 | 1.81 | 1.484 | 92.8 | 1.170 | -5.777 | 354.9 | 502.6 | 0.983 | NA | -0.05 | 0.489 | 174.3 | 71.0 | 27.5 | 0.506 |
| | | 10.16 | 10.66 | 20.83 | ONE | 29.346 | 268.2 | -28.8 | 15.3 | | | | | | | | | | |
| 44280.0 | 47310.0 | 0.473 | 222.4 | -11.6 | 1.44 | 1.483 | 87.3 | 1.171 | -5.755 | 4.9 | 142.5 | 0.985D | NA | 0.42 | 0.490 | 174.3 | 71.0 | 27.5 | 0.507 |
| | | 10.10 | 10.68 | 20.78 | ONE | 29.346 | 268.2 | -28.8 | 15.2 | | | | | | | | | | |
| 44290.0 | 47310.0 | 0.498 | 215.9 | -10.5 | 1.22 | 1.482 | 81.8 | 1.169 | -5.743 | 15.3 | 142.7 | 0.970D | NA | 0.74 | 0.490 | 174.4 | 70.9 | 27.5 | 0.507 |
| | | 10.69 | 10.69 | 21.38 | ONE | 29.346 | 268.2 | -28.8 | 15.3 | | | | | | | | | | |
| 44300.0 | 47310.0 | 0.549 | 210.9 | -9.5 | 1.09 | 1.481 | 76.1 | 1.163 | -5.741 | 25.9 | 143.3 | 0.938D | NA | 0.98 | 0.490 | 174.5 | 70.8 | 27.5 | 0.507 |
| | | 11.92 | 10.69 | 22.61 | ONE | 29.346 | 268.2 | -28.8 | 15.4 | | | | | | | | | | |
| 44310.0 | 47310.0 | 0.620 | 208.0 | -9.1 | 1.02 | 1.479 | 70.2 | 1.154 | -5.748 | 36.8 | 144.2 | 0.887D | NA | 1.18 | 0.490 | 174.6 | 70.7 | 27.5 | 0.508 |
| | | 13.70 | 10.70 | 24.40 | ONE | 29.346 | 268.2 | -28.8 | 15.5 | | | | | | | | | | |
| ARRIVAL DATE = 2447510.0 | | | | | | | | | | | | | | | | | | | |
| 44250.0 | 47510.0 | 0.538 | 238.2 | -6.4 | 5.02 | 1.472 | 102.3 | 1.126 | -7.446 | 336.8 | 506.0 | 0.941 | NA | -3.42 | 0.448 | 174.0 | 70.6 | 27.1 | 0.467 |
| | | 11.65 | 9.83 | 21.47 | ONE | 31.146 | 269.6 | -28.8 | 16.8 | | | | | | | | | | |
| 44260.0 | 47510.0 | 0.487 | 233.2 | -11.0 | 2.63 | 1.472 | 97.2 | 1.131 | -7.383 | 346.4 | 505.4 | 0.969 | NA | -0.95 | 0.449 | 173.9 | 70.7 | 27.3 | 0.467 |
| | | 10.42 | 9.85 | 20.27 | ONE | 31.146 | 269.6 | -28.8 | 16.7 | | | | | | | | | | |
| 44270.0 | 47510.0 | 0.462 | 227.1 | -11.6 | 1.82 | 1.472 | 92.0 | 1.134 | -7.339 | 356.2 | 505.1 | 0.984 | NA | -0.05 | 0.450 | 173.9 | 70.8 | 27.4 | 0.468 |
| | | 9.83 | 9.86 | 19.69 | ONE | 31.146 | 269.6 | -28.8 | 16.6 | | | | | | | | | | |
| 44280.0 | 47510.0 | 0.462 | 220.1 | -10.9 | 1.42 | 1.471 | 86.6 | 1.135 | -7.311 | 6.4 | 145.1 | 0.984D | NA | 0.43 | 0.451 | 173.9 | 70.8 | 27.5 | 0.469 |
| | | 9.85 | 9.87 | 19.72 | ONE | 31.146 | 269.6 | -28.8 | 16.6 | | | | | | | | | | |
| 44290.0 | 47510.0 | 0.491 | 213.7 | -9.8 | 1.20 | 1.470 | 81.1 | 1.132 | -7.300 | 16.7 | 145.4 | 0.967D | NA | 0.75 | 0.451 | 173.9 | 70.8 | 27.5 | 0.469 |
| | | 10.51 | 9.88 | 20.39 | ONE | 31.146 | 269.6 | -28.8 | 16.8 | | | | | | | | | | |
| 44300.0 | 47510.0 | 0.544 | 209.1 | -8.9 | 1.07 | 1.468 | 75.5 | 1.128 | -7.303 | 27.4 | 145.9 | 0.932D | NA | 0.99 | 0.451 | 174.1 | 70.6 | 27.5 | 0.469 |
| | | 11.79 | 9.89 | 21.68 | ONE | 31.146 | 269.6 | -28.8 | 16.7 | | | | | | | | | | |
| 44310.0 | 47510.0 | 0.616 | 206.5 | -8.6 | 0.99 | 1.466 | 69.7 | 1.120 | -7.317 | 38.3 | 146.9 | 0.881D | NA | 1.19 | 0.450 | 174.2 | 70.5 | 27.5 | 0.470 |
| | | 13.60 | 9.89 | 23.49 | ONE | 31.146 | 269.6 | -28.8 | 16.9 | | | | | | | | | | |
| ARRIVAL DATE = 2447710.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 47710.0 | 0.639 | 232.1 | -29.5 | -4.83 | 1.461 | 111.4 | 1.087 | -9.815 | 319.0 | 509.9 | 0.858 | NA | 6.26 | 0.410 | 173.8 | 69.8 | 27.9 | 0.431 |
| | | 14.20 | 9.11 | 23.31 | TWO | 29.183 | 270.9 | -28.8 | 18.6 | | | | | | | | | | |
| 44250.0 | 47710.0 | 0.523 | 237.3 | -4.6 | 5.44 | 1.462 | 101.6 | 1.099 | -9.563 | 337.9 | 508.2 | 0.945 | NA | -3.84 | 0.413 | 173.5 | 70.5 | 27.0 | 0.434 |
| | | 11.29 | 9.15 | 20.45 | ONE | 29.183 | 270.9 | -28.8 | 18.1 | | | | | | | | | | |
| 44260.0 | 47710.0 | 0.473 | 231.7 | -10.3 | 2.68 | 1.462 | 96.5 | 1.103 | -9.478 | 347.5 | 507.7 | 0.972 | NA | -1.00 | 0.414 | 173.4 | 70.6 | 27.3 | 0.434 |
| | | 10.09 | 9.17 | 19.25 | ONE | 29.183 | 270.9 | -28.8 | 18.0 | | | | | | | | | | |
| 44270.0 | 47710.0 | 0.450 | 225.2 | -11.0 | 1.82 | 1.462 | 91.4 | 1.105 | -9.419 | 357.4 | 507.5 | 0.985 | NA | -0.05 | 0.415 | 173.4 | 70.6 | 27.4 | 0.435 |
| | | 9.56 | 9.18 | 18.74 | ONE | 29.183 | 270.9 | -28.8 | 17.9 | | | | | | | | | | |
| 44280.0 | 47710.0 | 0.454 | 218.2 | -10.2 | 1.41 | 1.461 | 86.0 | 1.105 | -9.386 | 7.6 | 147.5 | 0.982D | NA | 0.44 | 0.416 | 173.4 | 70.6 | 27.5 | 0.435 |
| | | 9.65 | 9.19 | 18.84 | ONE | 29.183 | 270.9 | -28.8 | 17.9 | | | | | | | | | | |
| 44290.0 | 47710.0 | 0.485 | 211.9 | -9.2 | 1.18 | 1.459 | 80.6 | 1.103 | -9.375 | 17.9 | 147.8 | 0.964D | NA | 0.77 | 0.416 | 173.5 | 70.6 | 27.5 | 0.436 |
| | | 10.38 | 9.20 | 19.57 | ONE | 29.183 | 270.9 | -28.8 | 18.0 | | | | | | | | | | |
| 44300.0 | 47710.0 | 0.540 | 207.5 | -8.4 | 1.05 | 1.458 | 75.0 | 1.099 | -9.386 | 28.6 | 148.4 | 0.928D | NA | 1.00 | 0.416 | 173.6 | 70.4 | 27.5 | 0.436 |
| | | 11.69 | 9.20 | 20.90 | ONE | 29.183 | 270.9 | -28.8 | 18.1 | | | | | | | | | | |
| 44310.0 | 47710.0 | 0.612 | 205.2 | -8.2 | 0.96 | 1.456 | 69.3 | 1.093 | -9.414 | 39.5 | 149.3 | 0.875D | NA | 1.20 | 0.415 | 173.8 | 70.2 | 27.5 | 0.436 |
| | | 13.51 | 9.21 | 22.72 | ONE | 29.183 | 270.9 | -28.8 | 18.3 | | | | | | | | | | |
| ARRIVAL DATE = 2447910.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 47910.0 | 0.621 | 231.6 | -28.3 | -4.21 | 1.453 | 110.8 | 1.067 | -12.867 | 319.8 | 511.8 | 0.864 | NA | 5.66 | 0.379 | 173.3 | 69.5 | 27.9 | 0.402 |
| | | 13.75 | 8.55 | 22.29 | TWO | 31.142 | 272.3 | -28.8 | 20.0 | | | | | | | | | | |
| 44250.0 | 47910.0 | 0.513 | 236.7 | -2.6 | 5.98 | 1.454 | 101.0 | 1.076 | -12.498 | 338.8 | 510.3 | 0.949 | NA | -4.38 | 0.382 | 173.0 | 70.2 | 26.8 | 0.404 |
| | | 11.03 | 8.58 | 19.61 | ONE | 31.142 | 272.3 | -28.8 | 19.6 | | | | | | | | | | |
| 44260.0 | 47910.0 | 0.461 | 230.4 | -9.5 | 2.75 | 1.454 | 96.0 | 1.079 | -12.377 | 348.5 | 509.9 | 0.974 | NA | -1.06 | 0.383 | 172.9 | 70.3 | 27.2 | 0.405 |
| | | 9.82 | 8.59 | 18.41 | ONE | 31.142 | 272.3 | -28.8 | 19.4 | | | | | | | | | | |
| 44270.0 | 47910.0 | 0.441 | 223.6 | -10.4 | 1.82 | 1.453 | 90.8 | 1.080 | -12.296 | 358.4 | 509.7 | 0.985 | NA | -0.05 | 0.384 | 172.9 | 70.4 | 27.4 | 0.405 |
| | | 9.35 | 8.60 | 17.95 | ONE | 31.142 | 272.3 | -28.8 | 19.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 47910.0 | 0.447 | 216.5 | -9.7 | 1.40 | 1.452 | 85.5 | 1.080 | -12.254 | 8.6 | 149.7 | 0.981D | NA | 0.46 | 0.385 | 172.9 | 70.4 | 27.4 | 0.406 |
| | | 9.50 | 8.61 | 18.11 | ONE | 31.142 | 272.3 | -28.8 | 19.3 | | | | | | | | | | |
| 44290.0 | 47910.0 | 0.480 | 210.4 | -8.7 | 1.16 | 1.451 | 80.2 | 1.078 | -12.247 | 19.0 | 150.0 | 0.961D | NA | 0.78 | 0.385 | 173.0 | 70.3 | 27.5 | 0.406 |
| | | 10.27 | 8.62 | 18.88 | ONE | 31.142 | 272.3 | -28.8 | 19.4 | | | | | | | | | | |
| 44300.0 | 47910.0 | 0.536 | 206.3 | -8.0 | 1.02 | 1.449 | 74.7 | 1.075 | -12.272 | 29.6 | 150.6 | 0.924D | NA | 1.02 | 0.384 | 173.1 | 70.1 | 27.5 | 0.406 |
| | | 11.61 | 8.62 | 20.23 | ONE | 31.142 | 272.3 | -28.8 | 19.5 | | | | | | | | | | |
| 44310.0 | 47910.0 | 0.609 | 204.2 | -7.9 | 0.94 | 1.447 | 69.0 | 1.071 | -12.325 | 40.5 | 151.4 | 0.871D | NA | 1.21 | 0.384 | 173.3 | 69.9 | 27.4 | 0.406 |
| | | 13.44 | 8.62 | 22.07 | ONE | 31.142 | 272.3 | -28.8 | 19.7 | | | | | | | | | | |
| ARRIVAL DATE = 2448110.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 48110.0 | 0.607 | 231.1 | -27.2 | -3.69 | 1.446 | 110.3 | 1.050 | -17.370 | 320.5 | 513.7 | 0.868 | NA | 5.16 | 0.352 | 172.8 | 69.2 | 27.8 | 0.376 |
| | | 13.38 | 8.06 | 21.44 | TWO | 29.320 | 273.6 | -28.8 | 21.4 | | | | | | | | | | |
| 44240.0 | 48110.0 | 0.631 | 224.7 | -55.7 | -15.76 | 1.447 | 105.5 | 1.054 | -17.046 | 329.8 | 512.9 | 0.915 | NA | 17.29 | 0.353 | 172.6 | 68.9 | 29.2 | 0.378 |
| | | 13.99 | 8.09 | 22.08 | TWO | 29.320 | 273.6 | -28.8 | 21.5 | | | | | | | | | | |
| 44250.0 | 48110.0 | 0.505 | 236.4 | -0.2 | 6.70 | 1.447 | 100.5 | 1.057 | -16.794 | 339.5 | 512.3 | 0.951 | NA | -5.09 | 0.355 | 172.5 | 70.0 | 26.7 | 0.378 |
| | | 10.87 | 8.09 | 18.95 | ONE | 29.320 | 273.6 | -28.8 | 21.0 | | | | | | | | | | |
| 44260.0 | 48110.0 | 0.452 | 229.3 | -8.8 | 2.82 | 1.447 | 95.5 | 1.059 | -16.609 | 349.3 | 511.9 | 0.975 | NA | -1.13 | 0.356 | 172.4 | 70.0 | 27.2 | 0.379 |
| | | 9.60 | 8.10 | 17.70 | ONE | 29.320 | 273.6 | -28.8 | 20.8 | | | | | | | | | | |
| 44270.0 | 48110.0 | 0.433 | 222.3 | -9.9 | 1.82 | 1.446 | 90.4 | 1.060 | -16.491 | 359.2 | 511.7 | 0.985 | NA | -0.05 | 0.356 | 172.4 | 70.1 | 27.3 | 0.379 |
| | | 9.17 | 8.11 | 17.28 | ONE | 29.320 | 273.6 | -28.8 | 20.8 | | | | | | | | | | |
| 44280.0 | 48110.0 | 0.442 | 215.2 | -9.3 | 1.38 | 1.445 | 85.2 | 1.060 | -16.434 | 9.4 | 151.7 | 0.980D | NA | 0.47 | 0.357 | 172.4 | 70.1 | 27.4 | 0.379 |
| | | 9.37 | 8.11 | 17.48 | ONE | 29.320 | 273.6 | -28.8 | 20.8 | | | | | | | | | | |
| 44290.0 | 48110.0 | 0.477 | 209.2 | -8.3 | 1.14 | 1.443 | 79.8 | 1.058 | -16.435 | 19.8 | 152.0 | 0.959D | NA | 0.79 | 0.357 | 172.5 | 70.0 | 27.4 | 0.380 |
| | | 10.18 | 8.12 | 18.30 | ONE | 29.320 | 273.6 | -28.8 | 20.8 | | | | | | | | | | |
| 44300.0 | 48110.0 | 0.534 | 205.2 | -7.7 | 1.00 | 1.442 | 74.4 | 1.056 | -16.488 | 30.4 | 152.6 | 0.921D | NA | 1.03 | 0.356 | 172.6 | 69.8 | 27.4 | 0.380 |
| | | 11.55 | 8.12 | 19.67 | ONE | 29.320 | 273.6 | -28.8 | 21.0 | | | | | | | | | | |
| 44310.0 | 48110.0 | 0.607 | 203.4 | -7.6 | 0.91 | 1.440 | 68.8 | 1.052 | -16.586 | 41.3 | 153.4 | 0.867D | NA | 1.22 | 0.356 | 172.9 | 69.6 | 27.4 | 0.380 |
| | | 13.38 | 8.12 | 21.50 | ONE | 29.320 | 273.6 | -28.8 | 21.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448310.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 48310.0 | 0.595 | 230.8 | -26.3 | -3.27 | 1.440 | 109.9 | 1.035 | -24.606 | 321.0 | 515.4 | 0.872 | NA | 4.74 | 0.327 | 172.2 | 68.9 | 27.8 | 0.353 |
| | | 13.09 | 7.64 | 20.73 | TWO | 30.846 | 275.0 | -28.7 | 22.9 | | | | | | | | | | |
| 44240.0 | 48310.0 | 0.576 | 226.0 | -46.0 | -11.00 | 1.441 | 105.1 | 1.038 | -24.040 | 330.4 | 514.6 | 0.918 | NA | 12.55 | 0.328 | 172.1 | 68.8 | 28.8 | 0.354 |
| | | 12.61 | 7.66 | 20.27 | TWO | 30.846 | 275.0 | -28.7 | 22.9 | | | | | | | | | | |
| 44250.0 | 48310.0 | 0.503 | 236.5 | 2.9 | 7.69 | 1.441 | 100.1 | 1.040 | -23.606 | 340.1 | 514.1 | 0.954 | NA | -6.07 | 0.330 | 171.9 | 69.6 | 26.5 | 0.355 |
| | | 10.80 | 7.66 | 18.46 | ONE | 30.846 | 275.0 | -28.7 | 22.5 | | | | | | | | | | |
| 44260.0 | 48310.0 | 0.444 | 228.4 | -8.2 | 2.91 | 1.441 | 95.2 | 1.042 | -23.296 | 349.9 | 513.7 | 0.976 | NA | -1.21 | 0.330 | 171.9 | 69.7 | 27.1 | 0.355 |
| | | 9.42 | 7.67 | 17.09 | ONE | 30.846 | 275.0 | -28.7 | 22.3 | | | | | | | | | | |
| 44270.0 | 48310.0 | 0.427 | 221.2 | -9.5 | 1.83 | 1.440 | 90.0 | 1.043 | -23.104 | 359.9 | 513.5 | 0.985 | NA | -0.06 | 0.331 | 171.8 | 69.8 | 27.3 | 0.355 |
| | | 9.03 | 7.68 | 16.71 | ONE | 30.846 | 275.0 | -28.7 | 22.3 | | | | | | | | | | |
| 44280.0 | 48310.0 | 0.437 | 214.1 | -8.9 | 1.36 | 1.439 | 84.8 | 1.043 | -23.021 | 10.1 | 153.6 | 0.979D | NA | 0.48 | 0.331 | 171.9 | 69.7 | 27.3 | 0.356 |
| | | 9.27 | 7.68 | 16.95 | ONE | 30.846 | 275.0 | -28.7 | 22.3 | | | | | | | | | | |
| 44290.0 | 48310.0 | 0.473 | 208.2 | -8.0 | 1.12 | 1.437 | 79.5 | 1.042 | -23.041 | 20.5 | 153.9 | 0.957D | NA | 0.81 | 0.331 | 172.0 | 69.6 | 27.4 | 0.356 |
| | | 10.10 | 7.69 | 17.79 | ONE | 30.846 | 275.0 | -28.7 | 22.3 | | | | | | | | | | |
| 44300.0 | 48310.0 | 0.531 | 204.4 | -7.5 | 0.97 | 1.436 | 74.1 | 1.040 | -23.154 | 31.1 | 154.4 | 0.918D | NA | 1.04 | 0.331 | 172.1 | 69.5 | 27.4 | 0.356 |
| | | 11.48 | 7.69 | 19.17 | ONE | 30.846 | 275.0 | -28.7 | 22.5 | | | | | | | | | | |
| 44310.0 | 48310.0 | 0.604 | 202.8 | -7.4 | 0.88 | 1.434 | 68.6 | 1.037 | -23.350 | 41.9 | 155.2 | 0.864D | NA | 1.23 | 0.330 | 172.4 | 69.2 | 27.4 | 0.356 |
| | | 13.31 | 7.69 | 21.00 | ONE | 30.846 | 275.0 | -28.7 | 22.7 | | | | | | | | | | |
| ARRIVAL DATE = 2448510.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 48510.0 | 0.586 | 230.6 | -25.5 | -2.90 | 1.435 | 109.5 | 1.023 | -37.992 | 321.4 | 517.0 | 0.875 | NA | 4.39 | 0.304 | 171.7 | 68.5 | 27.7 | 0.332 |
| | | 12.85 | 7.28 | 20.12 | TWO | 29.714 | 276.3 | -28.7 | 24.5 | | | | | | | | | | |
| 44240.0 | 48510.0 | 0.548 | 226.8 | -39.8 | -8.27 | 1.436 | 104.8 | 1.025 | -36.812 | 330.8 | 516.3 | 0.920 | NA | 9.83 | 0.306 | 171.5 | 68.6 | 28.4 | 0.333 |
| | | 11.91 | 7.29 | 19.20 | TWO | 29.714 | 276.3 | -28.7 | 24.3 | | | | | | | | | | |
| 44250.0 | 48510.0 | 0.506 | 237.3 | 7.1 | 9.17 | 1.436 | 99.8 | 1.027 | -35.926 | 340.6 | 515.7 | 0.955 | NA | -7.54 | 0.307 | 171.4 | 69.3 | 26.2 | 0.334 |
| | | 10.88 | 7.30 | 18.18 | ONE | 29.714 | 276.3 | -28.7 | 24.1 | | | | | | | | | | |
| 44260.0 | 48510.0 | 0.438 | 227.7 | -7.6 | 3.00 | 1.436 | 94.9 | 1.028 | -35.309 | 350.4 | 515.4 | 0.977 | NA | -1.31 | 0.308 | 171.3 | 69.3 | 27.0 | 0.334 |
| | | 9.28 | 7.30 | 16.58 | ONE | 29.714 | 276.3 | -28.7 | 23.9 | | | | | | | | | | |
| 44270.0 | 48510.0 | 0.422 | 220.4 | -9.1 | 1.83 | 1.435 | 89.8 | 1.028 | -34.940 | 0.4 | 155.3 | 0.985D | NA | -0.06 | 0.308 | 171.3 | 69.4 | 27.2 | 0.334 |
| | | 8.92 | 7.31 | 16.22 | ONE | 29.714 | 276.3 | -28.7 | 23.8 | | | | | | | | | | |
| 44280.0 | 48510.0 | 0.433 | 213.2 | -8.6 | 1.35 | 1.434 | 84.6 | 1.028 | -34.801 | 10.7 | 155.3 | 0.978D | NA | 0.50 | 0.308 | 171.3 | 69.3 | 27.3 | 0.334 |
| | | 9.18 | 7.31 | 16.49 | ONE | 29.714 | 276.3 | -28.7 | 23.8 | | | | | | | | | | |
| 44290.0 | 48510.0 | 0.471 | 207.4 | -7.8 | 1.09 | 1.432 | 79.3 | 1.027 | -34.875 | 21.0 | 155.6 | 0.955D | NA | 0.83 | 0.308 | 171.4 | 69.2 | 27.3 | 0.335 |
| | | 10.04 | 7.32 | 17.35 | ONE | 29.714 | 276.3 | -28.7 | 23.9 | | | | | | | | | | |
| 44300.0 | 48510.0 | 0.528 | 203.8 | -7.3 | 0.94 | 1.431 | 74.0 | 1.026 | -35.146 | 31.6 | 156.2 | 0.917D | NA | 1.06 | 0.308 | 171.6 | 69.1 | 27.3 | 0.335 |
| | | 11.42 | 7.32 | 18.74 | ONE | 29.714 | 276.3 | -28.7 | 24.1 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44310.0 | 48510.0 | 0.602 | 202.3 | -7.3 | 0.86 | 1.429 | 68.5 | 1.024 | -35.595 | 42.4 | 156.9 | 0.862D | NA | 1.24 | 0.307 | 171.8 | 68.8 | 27.3 | 0.335 |
| | | 13.24 | 7.32 | 20.57 | ONE | 29.714 | 276.3 | -28.7 | 24.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448710.0 | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 48710.0 | 0.645 | 229.5 | -21.7 | -1.65 | 1.430 | 114.0 | 1.011 | -75.509 | 312.3 | 519.2 | 0.823 | NA | 3.08 | 0.282 | 171.3 | 67.7 | 27.4 | 0.313 |
| | | 14.36 | 6.95 | 21.31 | TWO | 30.346 | 277.7 | -28.6 | 26.4 | | | | | | | | | | |
| 44230.0 | 48710.0 | 0.578 | 230.4 | -24.7 | -2.59 | 1.431 | 109.3 | 1.012 | -70.725 | 321.7 | 518.4 | 0.877 | NA | 4.09 | 0.284 | 171.1 | 68.0 | 27.6 | 0.313 |
| | | 12.65 | 6.96 | 19.61 | TWO | 30.346 | 277.7 | -28.6 | 26.1 | | | | | | | | | | |
| 44240.0 | 48710.0 | 0.531 | 227.4 | -35.6 | -6.51 | 1.431 | 104.5 | 1.014 | -67.160 | 331.2 | 517.8 | 0.922 | NA | 8.07 | 0.285 | 170.9 | 68.2 | 28.2 | 0.314 |
| | | 11.49 | 6.97 | 18.46 | TWO | 30.346 | 277.7 | -28.6 | 25.9 | | | | | | | | | | |
| 44250.0 | 48710.0 | 0.521 | 239.1 | 13.3 | 11.57 | 1.431 | 99.6 | 1.015 | -64.593 | 341.0 | 517.3 | 0.956 | NA | -9.94 | 0.286 | 170.7 | 68.9 | 25.7 | 0.315 |
| | | 11.25 | 6.98 | 18.24 | ONE | 30.346 | 277.7 | -28.6 | 25.7 | | | | | | | | | | |
| 44260.0 | 48710.0 | 0.433 | 227.3 | -7.0 | 3.12 | 1.431 | 94.6 | 1.016 | -62.871 | 350.8 | 517.0 | 0.978 | NA | -1.41 | 0.287 | 170.7 | 68.9 | 26.9 | 0.315 |
| | | 9.17 | 6.98 | 16.15 | ONE | 30.346 | 277.7 | -28.6 | 25.4 | | | | | | | | | | |
| 44270.0 | 48710.0 | 0.417 | 219.7 | -8.9 | 1.83 | 1.430 | 89.6 | 1.016 | -61.887 | 0.9 | 156.9 | 0.985D | NA | -0.06 | 0.287 | 170.6 | 68.9 | 27.2 | 0.315 |
| | | 8.82 | 6.99 | 15.81 | ONE | 30.346 | 277.7 | -28.6 | 25.4 | | | | | | | | | | |
| 44280.0 | 48710.0 | 0.430 | 212.5 | -8.4 | 1.33 | 1.429 | 84.4 | 1.016 | -61.568 | 11.1 | 156.9 | 0.978D | NA | 0.51 | 0.287 | 170.7 | 68.9 | 27.2 | 0.315 |
| | | 9.10 | 6.99 | 16.09 | ONE | 30.346 | 277.7 | -28.6 | 25.4 | | | | | | | | | | |
| 44290.0 | 48710.0 | 0.468 | 206.8 | -7.6 | 1.07 | 1.428 | 79.2 | 1.015 | -61.861 | 21.5 | 157.2 | 0.954D | NA | 0.84 | 0.287 | 170.8 | 68.8 | 27.3 | 0.316 |
| | | 9.97 | 7.00 | 16.97 | ONE | 30.346 | 277.7 | -28.6 | 25.5 | | | | | | | | | | |
| 44300.0 | 48710.0 | 0.526 | 203.3 | -7.2 | 0.92 | 1.426 | 73.9 | 1.015 | -62.732 | 32.0 | 157.7 | 0.915D | NA | 1.07 | 0.287 | 171.0 | 68.6 | 27.3 | 0.316 |
| | | 11.36 | 7.00 | 18.36 | ONE | 30.346 | 277.7 | -28.6 | 25.7 | | | | | | | | | | |
| 44310.0 | 48710.0 | 0.599 | 201.9 | -7.2 | 0.83 | 1.424 | 68.5 | 1.013 | -64.146 | 42.7 | 158.4 | 0.861D | NA | 1.25 | 0.286 | 171.2 | 68.3 | 27.2 | 0.316 |
| | | 13.18 | 7.00 | 20.18 | ONE | 30.346 | 277.7 | -28.6 | 25.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448910.0 | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 48910.0 | 0.639 | 229.4 | -21.4 | -1.51 | 1.426 | 113.8 | 1.002 | ******* | 312.5 | 520.6 | 0.824 | NA | 2.96 | 0.263 | 170.7 | 67.2 | 27.3 | 0.296 |
| | | 14.21 | 6.68 | 20.89 | TWO | 30.244 | 279.0 | -28.5 | 28.1 | | | | | | | | | | |
| 44230.0 | 48910.0 | 0.572 | 230.4 | -24.1 | -2.31 | 1.427 | 109.1 | 1.003 | ******* | 321.9 | 519.8 | 0.879 | NA | 3.82 | 0.265 | 170.4 | 67.5 | 27.5 | 0.296 |
| | | 12.50 | 6.69 | 19.19 | TWO | 30.244 | 279.0 | -28.5 | 27.7 | | | | | | | | | | |
| 44240.0 | 48910.0 | 0.520 | 227.8 | -32.5 | -5.27 | 1.428 | 104.3 | 1.004 | ******* | 331.4 | 519.2 | 0.923 | NA | 6.85 | 0.266 | 170.2 | 67.7 | 28.0 | 0.297 |
| | | 11.21 | 6.70 | 17.91 | TWO | 30.244 | 279.0 | -28.5 | 27.5 | | | | | | | | | | |
| 44250.0 | 48910.0 | 0.567 | 243.2 | 23.5 | 16.16 | 1.428 | 99.4 | 1.005 | ******* | 341.3 | 518.7 | 0.957 | NA | -14.52 | 0.267 | 170.1 | 68.4 | 24.8 | 0.298 |
| | | 12.38 | 6.71 | 19.10 | ONE | 30.244 | 279.0 | -28.5 | 27.5 | | | | | | | | | | |
| 44260.0 | 48910.0 | 0.429 | 227.0 | -6.3 | 3.25 | 1.427 | 94.5 | 1.005 | ******* | 351.1 | 518.5 | 0.978 | NA | -1.55 | 0.268 | 170.0 | 68.4 | 26.8 | 0.297 |
| | | 9.08 | 6.71 | 15.78 | ONE | 30.244 | 279.0 | -28.5 | 27.1 | | | | | | | | | | |
| 44270.0 | 48910.0 | 0.414 | 219.2 | -8.7 | 1.84 | 1.427 | 89.4 | 1.005 | ******* | 1.2 | 158.4 | 0.985D | NA | -0.06 | 0.268 | 170.0 | 68.5 | 27.1 | 0.298 |
| | | 8.74 | 6.71 | 15.45 | ONE | 30.244 | 279.0 | -28.5 | 27.0 | | | | | | | | | | |
| 44280.0 | 48910.0 | 0.427 | 212.0 | -8.3 | 1.31 | 1.426 | 84.3 | 1.005 | ******* | 11.4 | 158.4 | 0.977D | NA | 0.53 | 0.268 | 170.0 | 68.4 | 27.2 | 0.298 |
| | | 9.03 | 6.71 | 15.75 | ONE | 30.244 | 279.0 | -28.5 | 27.0 | | | | | | | | | | |
| 44290.0 | 48910.0 | 0.465 | 206.3 | -7.5 | 1.04 | 1.424 | 79.1 | 1.005 | ******* | 21.8 | 158.7 | 0.953D | NA | 0.86 | 0.268 | 170.2 | 68.3 | 27.2 | 0.298 |
| | | 9.91 | 6.72 | 16.63 | ONE | 30.244 | 279.0 | -28.5 | 27.1 | | | | | | | | | | |
| 44300.0 | 48910.0 | 0.523 | 202.9 | -7.1 | 0.89 | 1.422 | 73.8 | 1.005 | ******* | 32.3 | 159.2 | 0.914D | NA | 1.09 | 0.267 | 170.3 | 68.1 | 27.2 | 0.298 |
| | | 11.30 | 6.72 | 18.02 | ONE | 30.244 | 279.0 | -28.5 | 27.3 | | | | | | | | | | |
| 44310.0 | 48910.0 | 0.596 | 201.7 | -7.2 | 0.80 | 1.420 | 68.5 | 1.004 | ******* | 43.0 | 159.9 | 0.860D | NA | 1.26 | 0.267 | 170.6 | 67.8 | 27.2 | 0.299 |
| | | 13.11 | 6.72 | 19.83 | ONE | 30.244 | 279.0 | -28.5 | 27.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449110.0 | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 49110.0 | 0.635 | 229.5 | -21.2 | -1.39 | 1.423 | 113.7 | 0.995 | 167.730 | 312.5 | 521.8 | 0.825 | 334.634A | 2.85 | 0.246 | 170.0 | 66.6 | 27.2 | 0.280 |
| | | 14.09 | 6.44 | 20.53 | TWO | 29.791 | 280.4 | -28.4 | 29.8 | | | | | | | | | | |
| 44230.0 | 49110.0 | 0.567 | 230.4 | -23.6 | -2.07 | 1.424 | 109.0 | 0.995 | 191.127 | 322.0 | 521.1 | 0.880 | 381.374A | 3.59 | 0.247 | 169.8 | 67.0 | 27.4 | 0.281 |
| | | 12.38 | 6.45 | 18.83 | TWO | 29.791 | 280.4 | -28.4 | 29.4 | | | | | | | | | | |
| 44240.0 | 49110.0 | 0.512 | 228.2 | -30.2 | -4.36 | 1.425 | 104.2 | 0.996 | 216.227 | 331.6 | 520.5 | 0.924 | 431.530A | 5.95 | 0.248 | 169.6 | 67.2 | 27.8 | 0.281 |
| | | 11.02 | 6.46 | 17.48 | TWO | 29.791 | 280.4 | -28.4 | 29.2 | | | | | | | | | | |
| 44260.0 | 49110.0 | 0.426 | 226.9 | -5.7 | 3.41 | 1.424 | 94.3 | 0.996 | 261.821 | 351.3 | 519.8 | 0.978 | 522.663A | -1.70 | 0.250 | 169.3 | 67.9 | 26.7 | 0.282 |
| | | 9.01 | 6.46 | 15.47 | ONE | 29.791 | 280.4 | -28.4 | 28.7 | | | | | | | | | | |
| 44270.0 | 49110.0 | 0.410 | 218.9 | -8.5 | 1.84 | 1.424 | 89.3 | 0.996 | 275.293 | 1.4 | 159.7 | 0.985D | 549.602A | -0.07 | 0.250 | 169.3 | 67.9 | 27.0 | 0.282 |
| | | 8.67 | 6.47 | 15.13 | ONE | 29.791 | 280.4 | -28.4 | 28.7 | | | | | | | | | | |
| 44280.0 | 49110.0 | 0.424 | 211.6 | -8.2 | 1.29 | 1.422 | 84.2 | 0.996 | 278.635 | 11.6 | 159.8 | 0.977D | 556.293A | 0.54 | 0.250 | 169.3 | 67.9 | 27.1 | 0.282 |
| | | 8.97 | 6.47 | 15.44 | ONE | 29.791 | 280.4 | -28.4 | 28.7 | | | | | | | | | | |
| 44290.0 | 49110.0 | 0.463 | 206.1 | -7.5 | 1.02 | 1.421 | 79.0 | 0.996 | 271.557 | 22.0 | 160.1 | 0.953D | 542.161A | 0.88 | 0.250 | 169.5 | 67.7 | 27.1 | 0.282 |
| | | 9.85 | 6.47 | 16.33 | ONE | 29.791 | 280.4 | -28.4 | 28.8 | | | | | | | | | | |
| 44300.0 | 49110.0 | 0.521 | 202.7 | -7.1 | 0.86 | 1.419 | 73.8 | 0.996 | 256.281 | 32.5 | 160.5 | 0.914D | 511.649A | 1.11 | 0.250 | 169.7 | 67.5 | 27.1 | 0.283 |
| | | 11.24 | 6.48 | 17.71 | ONE | 29.791 | 280.4 | -28.4 | 29.0 | | | | | | | | | | |
| 44310.0 | 49110.0 | 0.593 | 201.5 | -7.2 | 0.77 | 1.417 | 68.5 | 0.996 | 236.322 | 43.1 | 161.2 | 0.860D | 471.784A | 1.28 | 0.249 | 170.0 | 67.2 | 27.1 | 0.283 |
| | | 13.03 | 6.48 | 19.51 | ONE | 29.791 | 280.4 | -28.4 | 29.3 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2449310.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 49310.0 | 0.631 | 229.5 | -21.0 | -1.27 | 1.420 | 113.6 | 0.989 | 73.415 | 312.5 | 523.0 | 0.826 | 146.003A | 2.75 | 0.230 | 169.3 | 66.0 | 27.1 | 0.266 |
| | | 14.00 | 6.24 | 20.24 | TWO | 30.748 | 281.7 | -28.3 | 31.5 | | | | | | | | | | |
| 44230.0 | 49310.0 | 0.563 | 230.5 | -23.1 | -1.85 | 1.421 | 108.9 | 0.989 | 77.181 | 322.0 | 522.3 | 0.880 | 153.482A | 3.39 | 0.231 | 169.1 | 66.4 | 27.3 | 0.267 |
| | | 12.28 | 6.24 | 18.52 | TWO | 30.748 | 281.7 | -28.3 | 31.2 | | | | | | | | | | |
| 44240.0 | 49310.0 | 0.506 | 228.6 | -28.4 | -3.66 | 1.422 | 104.1 | 0.989 | 80.615 | 331.7 | 521.8 | 0.925 | 160.306A | 5.26 | 0.232 | 168.8 | 66.6 | 27.7 | 0.267 |
| | | 10.88 | 6.25 | 17.13 | TWO | 30.748 | 281.7 | -28.3 | 30.9 | | | | | | | | | | |
| 44260.0 | 49310.0 | 0.423 | 226.9 | -4.9 | 3.61 | 1.422 | 94.3 | 0.989 | 85.626 | 351.4 | 521.1 | 0.979 | 170.273A | -1.90 | 0.234 | 168.6 | 67.3 | 26.6 | 0.267 |
| | | 8.95 | 6.25 | 15.21 | ONE | 30.748 | 281.7 | -28.3 | 30.5 | | | | | | | | | | |
| 44270.0 | 49310.0 | 0.408 | 218.7 | -8.4 | 1.84 | 1.421 | 89.3 | 0.989 | 86.842 | 1.5 | 161.0 | 0.985D | 172.699A | -0.07 | 0.234 | 168.6 | 67.3 | 26.9 | 0.268 |
| | | 8.61 | 6.25 | 14.86 | ONE | 30.748 | 281.7 | -28.3 | 30.4 | | | | | | | | | | |
| 44280.0 | 49310.0 | 0.422 | 211.4 | -8.2 | 1.27 | 1.420 | 84.2 | 0.989 | 87.074 | 11.7 | 161.1 | 0.977D | 173.170A | 0.56 | 0.234 | 168.6 | 67.3 | 27.0 | 0.268 |
| | | 8.91 | 6.26 | 15.17 | ONE | 30.748 | 281.7 | -28.3 | 30.4 | | | | | | | | | | |
| 44290.0 | 49310.0 | 0.460 | 205.9 | -7.5 | 0.99 | 1.418 | 79.0 | 0.989 | 86.348 | 22.0 | 161.4 | 0.953D | 171.743A | 0.90 | 0.234 | 168.7 | 67.1 | 27.0 | 0.268 |
| | | 9.79 | 6.26 | 16.05 | ONE | 30.748 | 281.7 | -28.3 | 30.5 | | | | | | | | | | |
| 44300.0 | 49310.0 | 0.518 | 202.6 | -7.1 | 0.83 | 1.416 | 73.8 | 0.989 | 84.783 | 32.5 | 161.8 | 0.914D | 168.652A | 1.13 | 0.233 | 169.0 | 66.9 | 27.0 | 0.268 |
| | | 11.17 | 6.26 | 17.43 | ONE | 30.748 | 281.7 | -28.3 | 30.7 | | | | | | | | | | |
| 44310.0 | 49310.0 | 0.590 | 201.5 | -7.2 | 0.74 | 1.414 | 68.6 | 0.990 | 82.567 | 43.1 | 162.4 | 0.860D | 164.273A | 1.29 | 0.233 | 169.3 | 66.6 | 27.0 | 0.269 |
| | | 12.95 | 6.27 | 19.22 | ONE | 30.748 | 281.7 | -28.3 | 31.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2449510.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 49510.0 | 0.629 | 229.7 | -20.8 | -1.16 | 1.418 | 113.6 | 0.983 | 49.371 | 312.4 | 524.1 | 0.826 | 97.917A | 2.65 | 0.215 | 168.6 | 65.3 | 27.0 | 0.254 |
| | | 13.94 | 6.06 | 20.00 | TWO | 29.344 | 283.0 | -28.2 | 33.4 | | | | | | | | | | |
| 44230.0 | 49510.0 | 0.561 | 230.7 | -22.7 | -1.66 | 1.419 | 108.8 | 0.983 | 50.901 | 322.0 | 523.5 | 0.880 | 100.922A | 3.21 | 0.216 | 168.3 | 65.7 | 27.2 | 0.254 |
| | | 12.22 | 6.06 | 18.27 | TWO | 29.344 | 283.0 | -28.2 | 33.0 | | | | | | | | | | |
| 44240.0 | 49510.0 | 0.502 | 229.0 | -27.0 | -3.11 | 1.419 | 104.0 | 0.982 | 52.243 | 331.7 | 523.0 | 0.925 | 103.561A | 4.71 | 0.217 | 168.1 | 66.0 | 27.5 | 0.254 |
| | | 10.78 | 6.06 | 16.84 | TWO | 29.344 | 283.0 | -28.2 | 32.7 | | | | | | | | | | |
| 44260.0 | 49510.0 | 0.422 | 227.2 | -4.1 | 3.86 | 1.419 | 94.2 | 0.982 | 54.106 | 351.4 | 522.3 | 0.979 | 107.234A | -2.14 | 0.219 | 167.8 | 66.7 | 26.4 | 0.254 |
| | | 8.92 | 6.07 | 14.99 | ONE | 29.344 | 283.0 | -28.2 | 32.2 | | | | | | | | | | |
| 44270.0 | 49510.0 | 0.405 | 218.7 | -8.4 | 1.85 | 1.418 | 89.2 | 0.982 | 54.533 | 1.5 | 162.3 | 0.985D | 108.081A | -0.08 | 0.219 | 167.8 | 66.7 | 26.8 | 0.255 |
| | | 8.55 | 6.07 | 14.62 | ONE | 29.344 | 283.0 | -28.2 | 32.1 | | | | | | | | | | |
| 44280.0 | 49510.0 | 0.419 | 211.4 | -8.3 | 1.24 | 1.417 | 84.2 | 0.982 | 54.596 | 11.7 | 162.3 | 0.977D | 108.216A | 0.58 | 0.219 | 167.8 | 66.6 | 26.9 | 0.255 |
| | | 8.86 | 6.07 | 14.93 | ONE | 29.344 | 283.0 | -28.2 | 32.2 | | | | | | | | | | |
| 44290.0 | 49510.0 | 0.458 | 205.8 | -7.6 | 0.96 | 1.416 | 79.1 | 0.982 | 54.308 | 22.1 | 162.6 | 0.953D | 107.663A | 0.93 | 0.219 | 168.0 | 66.5 | 26.9 | 0.255 |
| | | 9.73 | 6.07 | 15.81 | ONE | 29.344 | 283.0 | -28.2 | 32.3 | | | | | | | | | | |
| 44300.0 | 49510.0 | 0.515 | 202.6 | -7.2 | 0.80 | 1.414 | 73.9 | 0.983 | 53.705 | 32.5 | 163.0 | 0.914D | 106.496A | 1.15 | 0.218 | 168.2 | 66.3 | 26.9 | 0.255 |
| | | 11.10 | 6.08 | 17.18 | ONE | 29.344 | 283.0 | -28.2 | 32.5 | | | | | | | | | | |
| 44310.0 | 49510.0 | 0.587 | 201.5 | -7.3 | 0.71 | 1.412 | 68.6 | 0.984 | 52.845 | 43.1 | 163.5 | 0.861D | 104.829A | 1.31 | 0.218 | 168.5 | 65.9 | 26.9 | 0.256 |
| | | 12.87 | 6.08 | 18.95 | ONE | 29.344 | 283.0 | -28.2 | 32.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2449710.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 49710.0 | 0.628 | 229.9 | -20.6 | -1.06 | 1.416 | 113.6 | 0.979 | 38.435 | 312.3 | 525.2 | 0.825 | 76.044A | 2.57 | 0.201 | 167.8 | 64.5 | 26.9 | 0.242 |
| | | 13.90 | 5.90 | 19.80 | TWO | 31.069 | 284.4 | -28.0 | 35.2 | | | | | | | | | | |
| 44230.0 | 49710.0 | 0.559 | 230.9 | -22.3 | -1.49 | 1.417 | 108.8 | 0.978 | 39.281 | 321.9 | 524.6 | 0.880 | 77.682A | 3.05 | 0.202 | 167.5 | 65.0 | 27.0 | 0.242 |
| | | 12.17 | 5.90 | 18.07 | TWO | 31.069 | 284.4 | -28.0 | 34.8 | | | | | | | | | | |
| 44240.0 | 49710.0 | 0.499 | 229.5 | -25.8 | -2.66 | 1.417 | 104.0 | 0.977 | 40.010 | 331.6 | 524.1 | 0.925 | 79.095A | 4.27 | 0.203 | 167.3 | 65.3 | 27.3 | 0.242 |
| | | 10.71 | 5.90 | 16.61 | TWO | 31.069 | 284.4 | -28.0 | 34.5 | | | | | | | | | | |
| 44250.0 | 49710.0 | 0.533 | 215.2 | -56.5 | -14.07 | 1.417 | 99.2 | 0.976 | 40.591 | 341.3 | 523.7 | 0.958 | 80.223A | 15.73 | 0.204 | 167.1 | 64.7 | 29.4 | 0.244 |
| | | 11.53 | 5.92 | 17.45 | TWO | 31.069 | 284.4 | -28.0 | 34.6 | | | | | | | | | | |
| 44260.0 | 49710.0 | 0.421 | 227.6 | -3.1 | 4.18 | 1.417 | 94.2 | 0.976 | 40.999 | 351.4 | 523.5 | 0.979 | 81.018A | -2.46 | 0.205 | 167.0 | 66.0 | 26.2 | 0.243 |
| | | 8.91 | 5.90 | 14.81 | ONE | 31.069 | 284.4 | -28.0 | 34.0 | | | | | | | | | | |
| 44270.0 | 49710.0 | 0.403 | 218.8 | -8.3 | 1.85 | 1.416 | 89.3 | 0.976 | 41.217 | 1.5 | 163.4 | 0.985D | 81.449A | -0.08 | 0.205 | 167.0 | 66.0 | 26.7 | 0.243 |
| | | 8.51 | 5.91 | 14.41 | ONE | 31.069 | 284.4 | -28.0 | 34.0 | | | | | | | | | | |
| 44280.0 | 49710.0 | 0.417 | 211.4 | -8.4 | 1.22 | 1.415 | 84.2 | 0.976 | 41.242 | 11.7 | 163.5 | 0.977D | 81.507A | 0.61 | 0.205 | 167.0 | 66.0 | 26.8 | 0.243 |
| | | 8.81 | 5.91 | 14.72 | ONE | 31.069 | 284.4 | -28.0 | 34.0 | | | | | | | | | | |
| 44290.0 | 49710.0 | 0.455 | 205.9 | -7.7 | 0.93 | 1.414 | 79.1 | 0.977 | 41.079 | 22.0 | 163.7 | 0.953D | 81.204A | 0.95 | 0.205 | 167.2 | 65.8 | 26.8 | 0.243 |
| | | 9.67 | 5.91 | 15.59 | ONE | 31.069 | 284.4 | -28.0 | 34.1 | | | | | | | | | | |
| 44300.0 | 49710.0 | 0.512 | 202.6 | -7.3 | 0.77 | 1.412 | 74.0 | 0.978 | 40.746 | 32.4 | 164.1 | 0.915D | 80.577A | 1.17 | 0.204 | 167.4 | 65.6 | 26.8 | 0.243 |
| | | 11.03 | 5.91 | 16.94 | ONE | 31.069 | 284.4 | -28.0 | 34.3 | | | | | | | | | | |
| 44310.0 | 49710.0 | 0.583 | 201.6 | -7.4 | 0.67 | 1.410 | 68.8 | 0.979 | 40.271 | 43.0 | 164.6 | 0.862D | 79.680A | 1.32 | 0.204 | 167.7 | 65.2 | 26.8 | 0.244 |
| | | 12.78 | 5.92 | 18.70 | ONE | 31.069 | 284.4 | -28.0 | 34.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2449910.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 49910.0 | 0.627 | 230.1 | -20.5 | -0.96 | 1.414 | 113.6 | 0.974 | 32.217 | 312.1 | 526.1 | 0.824 | 63.609A | 2.49 | 0.188 | 167.0 | 63.8 | 26.7 | 0.231 |
| | | 13.89 | 5.76 | 19.64 | TWO | 29.135 | 285.7 | -27.9 | 37.1 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DFCLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44230.0 | 49910.0 | 0.558 | 231.2 | -22.0 | -1.33 | 1.415 | 108.9 | 0.973 | 32.764 | 321.7 | 525.6 | 0.879 | 64.648A | 2.91 | 0.189 | 166.7 | 64.2 | 26.9 | 0.231 |
| | | 12.14 | 5.76 | 17.90 | TWO | 29.135 | 285.7 | -27.9 | 36.7 | | | | | | | | | | |
| 44240.0 | 49910.0 | 0.497 | 230.0 | -24.9 | -2.28 | 1.416 | 104.1 | 0.972 | 33.230 | 331.4 | 525.1 | 0.924 | 65.536A | 3.91 | 0.190 | 166.4 | 64.5 | 27.2 | 0.232 |
| | | 10.67 | 5.76 | 16.43 | TWO | 29.135 | 285.7 | -27.9 | 36.3 | | | | | | | | | | |
| 44250.0 | 49910.0 | 0.481 | 220.9 | -43.7 | -8.81 | 1.416 | 99.2 | 0.971 | 33.598 | 341.2 | 524.8 | 0.958 | 66.239A | 10.49 | 0.191 | 166.2 | 64.4 | 28.5 | 0.232 |
| | | 10.27 | 5.77 | 16.04 | TWO | 29.135 | 285.7 | -27.9 | 36.3 | | | | | | | | | | |
| 44260.0 | 49910.0 | 0.422 | 228.2 | -1.7 | 4.61 | 1.415 | 94.3 | 0.971 | 33.854 | 351.3 | 524.6 | 0.978 | 66.730A | -2.89 | 0.192 | 166.1 | 65.3 | 26.0 | 0.232 |
| | | 8.92 | 5.76 | 14.68 | ONE | 29.135 | 285.7 | -27.9 | 35.9 | | | | | | | | | | |
| 44270.0 | 49910.0 | 0.401 | 219.0 | -8.4 | 1.86 | 1.414 | 89.3 | 0.971 | 33.989 | 1.4 | 164.5 | 0.985D | 66.993A | -0.09 | 0.192 | 166.1 | 65.3 | 26.5 | 0.232 |
| | | 8.47 | 5.76 | 14.23 | ONE | 29.135 | 285.7 | -27.9 | 35.8 | | | | | | | | | | |
| 44280.0 | 49910.0 | 0.415 | 211.6 | -8.5 | 1.19 | 1.413 | 84.3 | 0.971 | 34.000 | 11.5 | 164.5 | 0.977D | 67.024A | 0.63 | 0.192 | 166.1 | 65.2 | 26.7 | 0.232 |
| | | 8.76 | 5.76 | 14.52 | ONE | 29.135 | 285.7 | -27.9 | 35.8 | | | | | | | | | | |
| 44290.0 | 49910.0 | 0.452 | 206.0 | -7.8 | 0.89 | 1.412 | 79.2 | 0.972 | 33.892 | 21.9 | 164.7 | 0.954D | 66.830A | 0.98 | 0.192 | 166.3 | 65.1 | 26.7 | 0.232 |
| | | 9.61 | 5.77 | 15.38 | ONE | 29.135 | 285.7 | -27.9 | 36.0 | | | | | | | | | | |
| 44300.0 | 49910.0 | 0.509 | 202.8 | -7.4 | 0.74 | 1.410 | 74.1 | 0.973 | 33.675 | 32.3 | 165.1 | 0.916D | 66.434A | 1.19 | 0.191 | 166.5 | 64.8 | 26.7 | 0.232 |
| | | 10.95 | 5.77 | 16.72 | ONE | 29.135 | 285.7 | -27.9 | 36.2 | | | | | | | | | | |
| 44310.0 | 49910.0 | 0.580 | 201.7 | -7.5 | 0.64 | 1.408 | 68.9 | 0.974 | 33.365 | 42.8 | 165.6 | 0.863D | 65.867A | 1.34 | 0.191 | 166.9 | 64.5 | 26.6 | 0.233 |
| | | 12.69 | 5.78 | 18.46 | ONE | 29.135 | 285.7 | -27.9 | 36.5 | | | | | | | | | | |

ARRIVAL DATE = 2450110.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44220.0 | 50110.0 | 0.627 | 230.4 | -20.3 | -0.87 | 1.413 | 113.7 | 0.971 | 28.228 | 311.8 | 527.1 | 0.823 | 55.633A | 2.41 | 0.176 | 166.1 | 62.9 | 26.6 | 0.222 |
| | | 13.89 | 5.63 | 19.52 | TWO | 31.107 | 287.0 | -27.7 | 39.1 | | | | | | | | | | |
| 44230.0 | 50110.0 | 0.558 | 231.6 | -21.7 | -1.19 | 1.414 | 109.0 | 0.969 | 28.617 | 321.5 | 526.5 | 0.878 | 56.355A | 2.78 | 0.177 | 165.7 | 63.4 | 26.7 | 0.222 |
| | | 12.14 | 5.63 | 17.77 | TWO | 31.107 | 287.0 | -27.7 | 38.6 | | | | | | | | | | |
| 44240.0 | 50110.0 | 0.496 | 230.5 | -24.1 | -1.97 | 1.414 | 104.2 | 0.968 | 28.946 | 331.2 | 526.1 | 0.924 | 56.969A | 3.60 | 0.178 | 165.5 | 63.8 | 27.0 | 0.222 |
| | | 10.64 | 5.63 | 16.28 | TWO | 31.107 | 287.0 | -27.7 | 38.3 | | | | | | | | | | |
| 44250.0 | 50110.0 | 0.462 | 223.7 | -36.5 | -6.17 | 1.414 | 99.3 | 0.967 | 29.205 | 341.1 | 525.8 | 0.957 | 57.452A | 7.85 | 0.179 | 165.3 | 63.8 | 27.9 | 0.222 |
| | | 9.83 | 5.64 | 15.47 | TWO | 31.107 | 287.0 | -27.7 | 38.1 | | | | | | | | | | |
| 44260.0 | 50110.0 | 0.424 | 229.1 | 0.2 | 5.24 | 1.414 | 94.4 | 0.967 | 29.383 | 351.1 | 525.6 | 0.978 | 57.788A | -3.51 | 0.180 | 165.2 | 64.6 | 25.7 | 0.222 |
| | | 8.96 | 5.63 | 14.60 | ONE | 31.107 | 287.0 | -27.7 | 37.8 | | | | | | | | | | |
| 44270.0 | 50110.0 | 0.400 | 219.3 | -8.4 | 1.87 | 1.413 | 89.4 | 0.967 | 29.476 | 1.2 | 165.5 | 0.985D | 57.967A | -0.09 | 0.180 | 165.1 | 64.5 | 26.4 | 0.222 |
| | | 8.43 | 5.64 | 14.07 | ONE | 31.107 | 287.0 | -27.7 | 37.7 | | | | | | | | | | |
| 44280.0 | 50110.0 | 0.413 | 211.8 | -8.7 | 1.16 | 1.412 | 84.4 | 0.967 | 29.481 | 11.4 | 165.5 | 0.977D | 57.986A | 0.66 | 0.180 | 165.2 | 64.5 | 26.5 | 0.222 |
| | | 8.71 | 5.64 | 14.35 | ONE | 31.107 | 287.0 | -27.7 | 37.7 | | | | | | | | | | |
| 44290.0 | 50110.0 | 0.450 | 206.3 | -8.0 | 0.86 | 1.410 | 79.4 | 0.968 | 29.403 | 21.7 | 165.7 | 0.954D | 57.851A | 1.00 | 0.180 | 165.4 | 64.3 | 26.6 | 0.222 |
| | | 9.55 | 5.64 | 15.19 | ONE | 31.107 | 287.0 | -27.7 | 37.9 | | | | | | | | | | |
| 44300.0 | 50110.0 | 0.506 | 203.0 | -7.6 | 0.70 | 1.408 | 74.2 | 0.969 | 29.247 | 32.0 | 166.1 | 0.917D | 57.576A | 1.21 | 0.179 | 165.6 | 64.0 | 26.6 | 0.223 |
| | | 10.88 | 5.64 | 16.52 | ONE | 31.107 | 287.0 | -27.7 | 38.1 | | | | | | | | | | |
| 44310.0 | 50110.0 | 0.576 | 201.9 | -7.7 | 0.61 | 1.407 | 69.1 | 0.970 | 29.024 | 42.5 | 166.5 | 0.865D | 57.183A | 1.36 | 0.179 | 166.0 | 63.7 | 26.5 | 0.223 |
| | | 12.59 | 5.65 | 18.24 | ONE | 31.107 | 287.0 | -27.7 | 38.4 | | | | | | | | | | |

ARRIVAL DATE = 2450310.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44220.0 | 50310.0 | 0.628 | 230.7 | -20.2 | -0.79 | 1.411 | 113.8 | 0.968 | 25.468 | 311.5 | 527.9 | 0.821 | 50.115A | 2.35 | 0.165 | 165.2 | 62.1 | 26.4 | 0.213 |
| | | 13.91 | 5.53 | 19.43 | TWO | 29.225 | 288.4 | -27.6 | 41.0 | | | | | | | | | | |
| 44230.0 | 50310.0 | 0.558 | 232.0 | -21.5 | -1.06 | 1.412 | 109.1 | 0.966 | 25.762 | 321.2 | 527.4 | 0.877 | 50.648A | 2.66 | 0.166 | 164.8 | 62.6 | 26.6 | 0.213 |
| | | 12.14 | 5.52 | 17.67 | TWO | 29.225 | 288.4 | -27.6 | 40.6 | | | | | | | | | | |
| 44240.0 | 50310.0 | 0.496 | 231.0 | -23.5 | -1.70 | 1.413 | 104.3 | 0.965 | 26.011 | 331.0 | 527.0 | 0.923 | 51.099A | 3.34 | 0.167 | 164.5 | 62.9 | 26.8 | 0.213 |
| | | 10.63 | 5.52 | 16.16 | TWO | 29.225 | 288.4 | -27.6 | 40.2 | | | | | | | | | | |
| 44250.0 | 50310.0 | 0.453 | 225.5 | -32.0 | -4.58 | 1.413 | 99.4 | 0.963 | 26.205 | 340.8 | 526.7 | 0.957 | 51.454A | 6.27 | 0.168 | 164.3 | 63.0 | 27.5 | 0.213 |
| | | 9.64 | 5.53 | 15.16 | TWO | 29.225 | 288.4 | -27.6 | 40.0 | | | | | | | | | | |
| 44260.0 | 50310.0 | 0.429 | 230.4 | 3.0 | 6.20 | 1.412 | 94.5 | 0.963 | 26.339 | 350.9 | 526.5 | 0.978 | 51.699A | -4.47 | 0.169 | 164.2 | 63.8 | 25.3 | 0.213 |
| | | 9.07 | 5.52 | 14.59 | ONE | 29.225 | 288.4 | -27.6 | 39.8 | | | | | | | | | | |
| 44270.0 | 50310.0 | 0.398 | 219.7 | -8.5 | 1.87 | 1.411 | 89.5 | 0.963 | 26.408 | 0.9 | 166.4 | 0.985D | 51.830A | -0.10 | 0.169 | 164.1 | 63.7 | 26.2 | 0.213 |
| | | 8.40 | 5.52 | 13.93 | ONE | 29.225 | 288.4 | -27.6 | 39.6 | | | | | | | | | | |
| 44280.0 | 50310.0 | 0.410 | 212.2 | -8.9 | 1.13 | 1.410 | 84.5 | 0.963 | 26.411 | 11.1 | 166.5 | 0.978D | 51.843A | 0.69 | 0.169 | 164.2 | 63.6 | 26.4 | 0.213 |
| | | 8.67 | 5.53 | 14.19 | ONE | 29.225 | 288.4 | -27.6 | 39.7 | | | | | | | | | | |
| 44290.0 | 50310.0 | 0.447 | 206.6 | -8.2 | 0.82 | 1.409 | 79.5 | 0.964 | 26.350 | 21.4 | 166.7 | 0.955D | 51.745A | 1.03 | 0.169 | 164.4 | 63.5 | 26.4 | 0.213 |
| | | 9.49 | 5.53 | 15.02 | ONE | 29.225 | 288.4 | -27.6 | 39.8 | | | | | | | | | | |
| 44300.0 | 50310.0 | 0.503 | 203.3 | -7.8 | 0.67 | 1.407 | 74.4 | 0.965 | 26.231 | 31.8 | 167.0 | 0.918D | 51.543A | 1.24 | 0.168 | 164.6 | 63.2 | 26.4 | 0.214 |
| | | 10.79 | 5.53 | 16.33 | ONE | 29.225 | 288.4 | -27.6 | 40.0 | | | | | | | | | | |
| 44310.0 | 50310.0 | 0.572 | 202.2 | -7.9 | 0.57 | 1.405 | 69.3 | 0.967 | 26.060 | 42.2 | 167.4 | 0.867D | 51.253A | 1.38 | 0.167 | 165.0 | 62.9 | 26.4 | 0.214 |
| | | 12.49 | 5.54 | 18.03 | ONE | 29.225 | 288.4 | -27.6 | 40.3 | | | | | | | | | | |

ARRIVAL DATE = 2450510.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44220.0 | 50510.0 | 0.629 | 231.1 | -20.2 | -0.71 | 1.410 | 114.0 | 0.965 | 23.457 | 311.2 | 528.8 | 0.819 | 46.095A | 2.28 | 0.154 | 164.1 | 61.2 | 26.2 | 0.205 |
| | | 13.94 | 5.43 | 19.37 | TWO | 30.849 | 289.7 | -27.4 | 43.1 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44230.0 | 50510.0 | 0.559 | 232.4 | -21.3 | -0.94 | 1.411 | 109.2 | 0.963 | 23.690 | 320.8 | 528.3 | 0.875 | 46.505A | 2.55 | 0.155 | 163.7 | 61.7 | 26.4 | 0.205 |
| | | 12.17 | 5.43 | 17.59 | TWO | 30.849 | 289.7 | -27.4 | 42.6 | | | | | | | | | | |
| 44240.0 | 50510.0 | 0.496 | 231.6 | -22.9 | -1.46 | 1.411 | 104.4 | 0.961 | 23.887 | 330.6 | 527.9 | 0.921 | 46.852A | 3.12 | 0.157 | 163.4 | 62.1 | 26.6 | 0.205 |
| | | 10.64 | 5.43 | 16.07 | TWO | 30.849 | 289.7 | -27.4 | 42.2 | | | | | | | | | | |
| 44250.0 | 50510.0 | 0.449 | 226.9 | -29.0 | -3.53 | 1.411 | 99.5 | 0.960 | 24.040 | 340.5 | 527.6 | 0.956 | 47.124A | 5.22 | 0.157 | 163.2 | 62.2 | 27.1 | 0.205 |
| | | 9.54 | 5.43 | 14.97 | TWO | 30.849 | 289.7 | -27.4 | 41.9 | | | | | | | | | | |
| 44260.0 | 50510.0 | 0.440 | 232.5 | 7.9 | 7.88 | 1.411 | 94.6 | 0.960 | 24.145 | 350.6 | 527.4 | 0.978 | 47.313A | -6.15 | 0.158 | 163.1 | 63.0 | 24.7 | 0.205 |
| | | 9.33 | 5.43 | 14.75 | ONE | 30.849 | 289.7 | -27.4 | 41.8 | | | | | | | | | | |
| 44270.0 | 50510.0 | 0.397 | 220.2 | -8.6 | 1.88 | 1.410 | 89.7 | 0.959 | 24.199 | 0.6 | 167.3 | 0.985D | 47.413A | -0.11 | 0.158 | 163.1 | 62.9 | 26.0 | 0.205 |
| | | 8.38 | 5.43 | 13.80 | ONE | 30.849 | 289.7 | -27.4 | 41.6 | | | | | | | | | | |
| 44280.0 | 50510.0 | 0.408 | 212.6 | -9.2 | 1.09 | 1.409 | 84.7 | 0.960 | 24.201 | 10.8 | 167.4 | 0.978D | 47.424A | 0.72 | 0.158 | 163.1 | 62.8 | 26.2 | 0.205 |
| | | 8.62 | 5.43 | 14.05 | ONE | 30.849 | 289.7 | -27.4 | 41.6 | | | | | | | | | | |
| 44290.0 | 50510.0 | 0.444 | 206.9 | -8.5 | 0.78 | 1.408 | 79.7 | 0.960 | 24.153 | 21.1 | 167.5 | 0.956D | 47.349A | 1.07 | 0.158 | 163.3 | 62.6 | 26.3 | 0.205 |
| | | 9.43 | 5.43 | 14.86 | ONE | 30.849 | 289.7 | -27.4 | 41.8 | | | | | | | | | | |
| 44300.0 | 50510.0 | 0.499 | 203.6 | -8.0 | 0.63 | 1.406 | 74.6 | 0.962 | 24.057 | 31.4 | 167.8 | 0.920D | 47.195A | 1.26 | 0.158 | 163.6 | 62.4 | 26.2 | 0.205 |
| | | 10.71 | 5.43 | 16.15 | ONE | 30.849 | 289.7 | -27.4 | 42.0 | | | | | | | | | | |
| 44310.0 | 50510.0 | 0.568 | 202.5 | -8.1 | 0.54 | 1.404 | 69.5 | 0.964 | 23.921 | 41.8 | 168.2 | 0.869D | 46.973A | 1.40 | 0.157 | 163.9 | 62.0 | 26.2 | 0.206 |
| | | 12.39 | 5.44 | 17.83 | ONE | 30.849 | 289.7 | -27.4 | 42.3 | | | | | | | | | | |
| 44320.0 | 50510.0 | 0.645 | 203.1 | -8.6 | 0.48 | 1.402 | 64.3 | 0.966 | 23.751 | 52.3 | 168.7 | 0.806D | 46.697A | 1.50 | 0.156 | 164.4 | 61.5 | 26.1 | 0.206 |
| | | 14.36 | 5.45 | 19.81 | ONE | 30.849 | 289.7 | -27.4 | 42.8 | | | | | | | | | | |

ARRIVAL DATE = 2450710.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44220.0 | 50710.0 | 0.631 | 231.5 | -20.1 | -0.63 | 1.409 | 114.1 | 0.963 | 21.936 | 310.7 | 529.5 | 0.817 | 43.055A | 2.22 | 0.144 | 163.1 | 60.2 | 26.0 | 0.198 |
| | | 13.99 | 5.35 | 19.33 | TWO | 29.587 | 291.0 | -27.2 | 45.1 | | | | | | | | | | |
| 44230.0 | 50710.0 | 0.560 | 232.9 | -21.1 | -0.83 | 1.410 | 109.4 | 0.961 | 22.127 | 320.5 | 529.1 | 0.873 | 43.381A | 2.46 | 0.146 | 162.6 | 60.8 | 26.2 | 0.197 |
| | | 12.20 | 5.34 | 17.54 | TWO | 29.587 | 291.0 | -27.2 | 44.6 | | | | | | | | | | |
| 44240.0 | 50710.0 | 0.497 | 232.2 | -22.5 | -1.26 | 1.410 | 104.5 | 0.959 | 22.288 | 330.3 | 528.7 | 0.920 | 43.656A | 2.92 | 0.147 | 162.3 | 61.1 | 26.4 | 0.197 |
| | | 10.66 | 5.34 | 16.00 | TWO | 29.587 | 291.0 | -27.2 | 44.2 | | | | | | | | | | |
| 44250.0 | 50710.0 | 0.448 | 228.1 | -26.9 | -2.77 | 1.410 | 99.7 | 0.957 | 22.414 | 340.2 | 528.4 | 0.955 | 43.872A | 4.47 | 0.148 | 162.1 | 61.4 | 26.8 | 0.197 |
| | | 9.50 | 5.34 | 14.84 | TWO | 29.587 | 291.0 | -27.2 | 43.9 | | | | | | | | | | |
| 44260.0 | 50710.0 | 0.474 | 236.5 | 17.7 | 11.56 | 1.410 | 94.8 | 0.957 | 22.500 | 350.2 | 528.3 | 0.977 | 44.022A | -9.83 | 0.148 | 162.0 | 62.3 | 23.6 | 0.198 |
| | | 10.11 | 5.34 | 15.45 | ONE | 29.587 | 291.0 | -27.2 | 43.9 | | | | | | | | | | |
| 44270.0 | 50710.0 | 0.396 | 220.8 | -8.8 | 1.89 | 1.409 | 89.9 | 0.956 | 22.544 | 0.3 | 168.2 | 0.985D | 44.102A | -0.12 | 0.148 | 161.9 | 62.0 | 25.9 | 0.197 |
| | | 8.36 | 5.34 | 13.69 | ONE | 29.587 | 291.0 | -27.2 | 43.6 | | | | | | | | | | |
| 44280.0 | 50710.0 | 0.406 | 213.1 | -9.5 | 1.05 | 1.408 | 84.9 | 0.957 | 22.545 | 10.5 | 168.2 | 0.979D | 44.112A | 0.76 | 0.148 | 162.0 | 61.9 | 26.1 | 0.197 |
| | | 8.58 | 5.34 | 13.92 | ONE | 29.587 | 291.0 | -27.2 | 43.6 | | | | | | | | | | |
| 44290.0 | 50710.0 | 0.441 | 207.4 | -8.8 | 0.74 | 1.407 | 79.9 | 0.957 | 22.505 | 20.7 | 168.4 | 0.957D | 44.053A | 1.10 | 0.148 | 162.1 | 61.7 | 26.1 | 0.197 |
| | | 9.36 | 5.34 | 14.70 | ONE | 29.587 | 291.0 | -27.2 | 43.8 | | | | | | | | | | |
| 44300.0 | 50710.0 | 0.496 | 204.0 | -8.3 | 0.59 | 1.405 | 74.8 | 0.959 | 22.427 | 31.0 | 168.6 | 0.922D | 43.933A | 1.29 | 0.148 | 162.4 | 61.5 | 26.1 | 0.198 |
| | | 10.63 | 5.35 | 15.97 | ONE | 29.587 | 291.0 | -27.2 | 44.0 | | | | | | | | | | |
| 44310.0 | 50710.0 | 0.563 | 202.8 | -8.3 | 0.50 | 1.403 | 69.7 | 0.961 | 22.315 | 41.4 | 169.0 | 0.872D | 43.758A | 1.42 | 0.147 | 162.8 | 61.1 | 26.0 | 0.198 |
| | | 12.28 | 5.35 | 17.63 | ONE | 29.587 | 291.0 | -27.2 | 44.3 | | | | | | | | | | |
| 44320.0 | 50710.0 | 0.640 | 203.4 | -8.8 | 0.45 | 1.401 | 64.6 | 0.963 | 22.174 | 51.8 | 169.5 | 0.810D | 43.539A | 1.52 | 0.146 | 163.3 | 60.6 | 25.9 | 0.199 |
| | | 14.24 | 5.36 | 19.60 | ONE | 29.587 | 291.0 | -27.2 | 44.8 | | | | | | | | | | |

ARRIVAL DATE = 2450910.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44220.0 | 50910.0 | 0.633 | 231.9 | -20.0 | -0.56 | 1.408 | 114.3 | 0.961 | 20.753 | 310.3 | 530.3 | 0.814 | 40.692A | 2.17 | 0.135 | 161.9 | 59.3 | 25.8 | 0.191 |
| | | 14.05 | 5.27 | 19.32 | TWO | 30.372 | 292.3 | -27.0 | 47.2 | | | | | | | | | | |
| 44230.0 | 50910.0 | 0.562 | 233.4 | -21.0 | -0.73 | 1.409 | 109.5 | 0.958 | 20.914 | 320.0 | 529.9 | 0.871 | 40.957A | 2.37 | 0.136 | 161.5 | 59.8 | 26.0 | 0.191 |
| | | 12.25 | 5.27 | 17.52 | TWO | 30.372 | 292.3 | -27.0 | 46.7 | | | | | | | | | | |
| 44240.0 | 50910.0 | 0.498 | 232.8 | -22.1 | -1.08 | 1.409 | 104.7 | 0.956 | 21.050 | 329.9 | 529.5 | 0.918 | 41.181A | 2.75 | 0.137 | 161.1 | 60.2 | 26.2 | 0.190 |
| | | 10.69 | 5.26 | 15.95 | TWO | 30.372 | 292.3 | -27.0 | 46.3 | | | | | | | | | | |
| 44250.0 | 50910.0 | 0.447 | 229.2 | -25.3 | -2.21 | 1.409 | 99.9 | 0.955 | 21.155 | 339.8 | 529.2 | 0.954 | 41.356A | 3.91 | 0.138 | 160.9 | 60.5 | 26.5 | 0.190 |
| | | 9.49 | 5.26 | 14.75 | TWO | 30.372 | 292.3 | -27.0 | 46.0 | | | | | | | | | | |
| 44270.0 | 50910.0 | 0.395 | 221.5 | -8.9 | 1.91 | 1.408 | 90.0 | 0.954 | 21.265 | 359.9 | 529.0 | 0.985 | 41.544A | -0.14 | 0.139 | 160.7 | 61.1 | 25.7 | 0.190 |
| | | 8.34 | 5.26 | 13.60 | ONE | 30.372 | 292.3 | -27.0 | 45.7 | | | | | | | | | | |
| 44280.0 | 50910.0 | 0.404 | 213.7 | -9.8 | 1.01 | 1.407 | 85.1 | 0.954 | 21.266 | 10.1 | 169.0 | 0.979D | 41.553A | 0.80 | 0.139 | 160.7 | 61.0 | 25.9 | 0.190 |
| | | 8.53 | 5.26 | 13.80 | ONE | 30.372 | 292.3 | -27.0 | 45.7 | | | | | | | | | | |
| 44290.0 | 50910.0 | 0.439 | 207.9 | -9.1 | 0.70 | 1.406 | 80.1 | 0.955 | 21.233 | 20.3 | 169.2 | 0.959D | 41.507A | 1.14 | 0.139 | 160.9 | 60.8 | 25.9 | 0.190 |
| | | 9.30 | 5.27 | 14.56 | ONE | 30.372 | 292.3 | -27.0 | 45.8 | | | | | | | | | | |
| 44300.0 | 50910.0 | 0.492 | 204.4 | -8.6 | 0.55 | 1.404 | 75.0 | 0.956 | 21.167 | 30.6 | 169.4 | 0.924D | 41.411A | 1.32 | 0.138 | 161.2 | 60.6 | 25.9 | 0.191 |
| | | 10.54 | 5.27 | 15.81 | ONE | 30.372 | 292.3 | -27.0 | 46.0 | | | | | | | | | | |
| 44310.0 | 50910.0 | 0.559 | 203.2 | -8.5 | 0.46 | 1.402 | 70.0 | 0.958 | 21.072 | 41.0 | 169.7 | 0.875D | 41.270A | 1.45 | 0.138 | 161.6 | 60.2 | 25.8 | 0.191 |
| | | 12.17 | 5.28 | 17.45 | ONE | 30.372 | 292.3 | -27.0 | 46.4 | | | | | | | | | | |
| 44320.0 | 50910.0 | 0.635 | 203.8 | -9.0 | 0.41 | 1.400 | 64.9 | 0.961 | 20.953 | 51.3 | 170.2 | 0.813D | 41.093A | 1.54 | 0.137 | 162.1 | 59.7 | 25.7 | 0.192 |
| | | 14.11 | 5.28 | 19.39 | ONE | 30.372 | 292.3 | -27.0 | 46.8 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2451110.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 51110.0 | 0.636 | 232.4 | -20.0 | -0.49 | 1.407 | 114.5 | 0.959 | 19.813 | 309.8 | 531.0 | 0.811 | 38.815A | 2.12 | 0.126 | 160.6 | 58.3 | 25.6 | 0.185 |
| | | 14.12 | 5.21 | 19.32 | TWO | 30.107 | 293.6 | -26.7 | 49.3 | | | | | | | | | | |
| 44230.0 | 51110.0 | 0.564 | 233.9 | -20.8 | -0.63 | 1.408 | 109.7 | 0.956 | 19.952 | 319.6 | 530.6 | 0.869 | 39.034A | 2.29 | 0.128 | 160.2 | 58.8 | 25.7 | 0.185 |
| | | 12.31 | 5.20 | 17.51 | TWO | 30.107 | 293.6 | -26.7 | 48.8 | | | | | | | | | | |
| 44240.0 | 51110.0 | 0.500 | 233.5 | -21.8 | -0.92 | 1.409 | 104.9 | 0.954 | 20.068 | 329.4 | 530.2 | 0.917 | 39.220A | 2.60 | 0.129 | 159.8 | 59.3 | 25.9 | 0.184 |
| | | 10.73 | 5.20 | 15.93 | TWO | 30.107 | 293.6 | -26.7 | 48.4 | | | | | | | | | | |
| 44250.0 | 51110.0 | 0.447 | 230.2 | -24.1 | -1.77 | 1.409 | 100.1 | 0.953 | 20.159 | 339.4 | 530.0 | 0.953 | 39.365A | 3.48 | 0.130 | 159.6 | 59.5 | 26.2 | 0.184 |
| | | 9.50 | 5.20 | 14.69 | TWO | 30.107 | 293.6 | -26.7 | 48.1 | | | | | | | | | | |
| 44270.0 | 51110.0 | 0.395 | 222.3 | -9.1 | 1.93 | 1.407 | 90.3 | 0.951 | 20.254 | 359.5 | 529.7 | 0.985 | 39.523A | -0.15 | 0.131 | 159.3 | 60.1 | 25.4 | 0.184 |
| | | 8.32 | 5.19 | 13.52 | ONE | 30.107 | 293.6 | -26.7 | 47.7 | | | | | | | | | | |
| 44280.0 | 51110.0 | 0.403 | 214.4 | -10.2 | 0.96 | 1.406 | 85.3 | 0.952 | 20.256 | 9.6 | 169.8 | 0.980D | 39.531A | 0.84 | 0.131 | 159.4 | 60.0 | 25.7 | 0.184 |
| | | 8.49 | 5.20 | 13.69 | ONE | 30.107 | 293.6 | -26.7 | 47.7 | | | | | | | | | | |
| 44290.0 | 51110.0 | 0.436 | 208.5 | -9.5 | 0.65 | 1.405 | 80.3 | 0.953 | 20.227 | 19.9 | 169.9 | 0.960D | 39.494A | 1.18 | 0.130 | 159.6 | 59.9 | 25.7 | 0.184 |
| | | 9.23 | 5.20 | 14.43 | ONE | 30.107 | 293.6 | -26.7 | 47.9 | | | | | | | | | | |
| 44300.0 | 51110.0 | 0.488 | 204.9 | -8.9 | 0.51 | 1.403 | 75.3 | 0.954 | 20.171 | 30.1 | 170.1 | 0.926D | 39.416A | 1.36 | 0.130 | 159.9 | 59.6 | 25.7 | 0.185 |
| | | 10.45 | 5.20 | 15.65 | ONE | 30.107 | 293.6 | -26.7 | 48.1 | | | | | | | | | | |
| 44310.0 | 51110.0 | 0.554 | 203.6 | -8.8 | 0.42 | 1.401 | 70.2 | 0.956 | 20.089 | 40.5 | 170.4 | 0.878D | 39.301A | 1.47 | 0.129 | 160.3 | 59.3 | 25.7 | 0.185 |
| | | 12.06 | 5.21 | 17.27 | ONE | 30.107 | 293.6 | -26.7 | 48.4 | | | | | | | | | | |
| 44320.0 | 51110.0 | 0.630 | 204.1 | -9.2 | 0.38 | 1.399 | 65.2 | 0.959 | 19.986 | 50.8 | 170.8 | 0.817D | 39.156A | 1.56 | 0.128 | 160.8 | 58.8 | 25.5 | 0.186 |
| | | 13.97 | 5.22 | 19.19 | ONE | 30.107 | 293.6 | -26.7 | 48.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2451310.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 51310.0 | 0.639 | 232.9 | -20.0 | -0.43 | 1.407 | 114.8 | 0.958 | 19.054 | 309.3 | 531.7 | 0.808 | 37.299A | 2.07 | 0.118 | 159.3 | 57.3 | 25.3 | 0.180 |
| | | 14.20 | 5.15 | 19.35 | TWO | 29.816 | 295.0 | -26.5 | 51.4 | | | | | | | | | | |
| 44230.0 | 51310.0 | 0.567 | 234.5 | -20.7 | -0.54 | 1.408 | 110.0 | 0.955 | 19.175 | 319.1 | 531.3 | 0.866 | 37.483A | 2.21 | 0.119 | 158.8 | 57.8 | 25.5 | 0.179 |
| | | 12.37 | 5.14 | 17.52 | TWO | 29.816 | 295.0 | -26.5 | 50.9 | | | | | | | | | | |
| 44240.0 | 51310.0 | 0.502 | 234.2 | -21.5 | -0.77 | 1.408 | 105.1 | 0.953 | 19.277 | 328.9 | 530.9 | 0.915 | 37.639A | 2.47 | 0.121 | 158.4 | 58.3 | 25.7 | 0.179 |
| | | 10.78 | 5.14 | 15.92 | TWO | 29.816 | 295.0 | -26.5 | 50.5 | | | | | | | | | | |
| 44250.0 | 51310.0 | 0.448 | 231.2 | -23.2 | -1.41 | 1.408 | 100.3 | 0.951 | 19.356 | 338.9 | 530.7 | 0.951 | 37.762A | 3.13 | 0.121 | 158.1 | 58.6 | 26.0 | 0.178 |
| | | 9.52 | 5.14 | 14.66 | TWO | 29.816 | 295.0 | -26.5 | 50.2 | | | | | | | | | | |
| 44260.0 | 51310.0 | 0.460 | 216.5 | -48.7 | -10.07 | 1.407 | 95.4 | 0.950 | 19.411 | 348.9 | 530.5 | 0.975 | 37.848A | 11.81 | 0.122 | 158.0 | 58.0 | 28.1 | 0.179 |
| | | 9.78 | 5.14 | 14.92 | TWO | 29.816 | 295.0 | -26.5 | 50.2 | | | | | | | | | | |
| 44270.0 | 51310.0 | 0.394 | 223.1 | -9.2 | 1.95 | 1.407 | 90.5 | 0.949 | 19.440 | 359.0 | 530.5 | 0.985 | 37.895A | -0.17 | 0.122 | 157.5 | 59.2 | 25.2 | 0.178 |
| | | 8.31 | 5.13 | 13.45 | ONE | 29.816 | 295.0 | -26.5 | 49.8 | | | | | | | | | | |
| 44280.0 | 51310.0 | 0.401 | 215.1 | -10.7 | 0.90 | 1.405 | 85.5 | 0.950 | 19.442 | 9.2 | 170.5 | 0.981D | 37.904A | 0.89 | 0.122 | 158.0 | 59.1 | 25.5 | 0.178 |
| | | 8.45 | 5.13 | 13.59 | ONE | 29.816 | 295.0 | -26.5 | 49.8 | | | | | | | | | | |
| 44290.0 | 51310.0 | 0.433 | 209.1 | -9.9 | 0.60 | 1.404 | 80.6 | 0.950 | 19.418 | 19.4 | 170.6 | 0.961D | 37.874A | 1.22 | 0.122 | 158.1 | 58.9 | 25.5 | 0.179 |
| | | 9.17 | 5.14 | 14.30 | ONE | 29.816 | 295.0 | -26.5 | 49.9 | | | | | | | | | | |
| 44300.0 | 51310.0 | 0.484 | 205.5 | -9.2 | 0.46 | 1.402 | 75.6 | 0.952 | 19.369 | 29.6 | 170.8 | 0.928D | 37.810A | 1.39 | 0.122 | 158.4 | 58.7 | 25.5 | 0.179 |
| | | 10.36 | 5.14 | 15.50 | ONE | 29.816 | 295.0 | -26.5 | 50.2 | | | | | | | | | | |
| 44310.0 | 51310.0 | 0.550 | 204.1 | -9.1 | 0.38 | 1.400 | 70.5 | 0.954 | 19.298 | 39.9 | 171.1 | 0.881D | 37.715A | 1.50 | 0.121 | 158.9 | 58.3 | 25.4 | 0.180 |
| | | 11.95 | 5.15 | 17.10 | ONE | 29.816 | 295.0 | -26.5 | 50.5 | | | | | | | | | | |
| 44320.0 | 51310.0 | 0.625 | 204.6 | -9.5 | 0.34 | 1.398 | 65.5 | 0.957 | 19.208 | 50.3 | 171.5 | 0.821D | 37.594A | 1.57 | 0.120 | 159.4 | 57.9 | 25.3 | 0.180 |
| | | 13.84 | 5.16 | 19.00 | ONE | 29.816 | 295.0 | -26.5 | 50.9 | | | | | | | | | | |
| **ARRIVAL DATE = 2451510.0** | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 51510.0 | 0.643 | 233.4 | -19.9 | -0.37 | 1.406 | 115.0 | 0.956 | 18.431 | 308.7 | 532.3 | 0.804 | 36.059A | 2.02 | 0.110 | 157.8 | 56.3 | 25.1 | 0.175 |
| | | 14.29 | 5.10 | 19.39 | TWO | 30.626 | 296.3 | -26.2 | 53.6 | | | | | | | | | | |
| 44230.0 | 51510.0 | 0.570 | 235.1 | -20.7 | -0.46 | 1.407 | 110.2 | 0.953 | 18.539 | 318.5 | 531.9 | 0.863 | 36.215A | 2.14 | 0.112 | 157.3 | 56.8 | 25.3 | 0.174 |
| | | 12.45 | 5.09 | 17.54 | TWO | 30.626 | 296.3 | -26.2 | 53.0 | | | | | | | | | | |
| 44240.0 | 51510.0 | 0.505 | 234.9 | -21.3 | -0.64 | 1.407 | 105.4 | 0.951 | 18.630 | 328.4 | 531.6 | 0.912 | 36.347A | 2.35 | 0.113 | 156.9 | 57.3 | 25.4 | 0.174 |
| | | 10.84 | 5.09 | 15.93 | TWO | 30.626 | 296.3 | -26.2 | 52.6 | | | | | | | | | | |
| 44250.0 | 51510.0 | 0.450 | 232.2 | -22.5 | -1.12 | 1.407 | 100.5 | 0.949 | 18.701 | 338.4 | 531.4 | 0.950 | 36.452A | 2.85 | 0.114 | 156.6 | 57.6 | 25.7 | 0.173 |
| | | 9.56 | 5.08 | 14.64 | TWO | 30.626 | 296.3 | -26.2 | 52.3 | | | | | | | | | | |
| 44260.0 | 51510.0 | 0.424 | 223.3 | -34.5 | -5.12 | 1.407 | 95.6 | 0.948 | 18.750 | 348.4 | 531.2 | 0.974 | 36.526A | 6.87 | 0.114 | 156.4 | 57.5 | 26.7 | 0.173 |
| | | 8.96 | 5.08 | 14.04 | TWO | 30.626 | 296.3 | -26.2 | 52.1 | | | | | | | | | | |
| 44270.0 | 51510.0 | 0.394 | 223.9 | -9.4 | 1.98 | 1.406 | 90.7 | 0.948 | 18.776 | 358.5 | 531.2 | 0.985 | 36.567A | -0.20 | 0.115 | 156.4 | 58.2 | 25.0 | 0.173 |
| | | 8.31 | 5.08 | 13.39 | ONE | 30.626 | 296.3 | -26.2 | 51.9 | | | | | | | | | | |
| 44280.0 | 51510.0 | 0.399 | 215.8 | -11.1 | 0.84 | 1.405 | 85.8 | 0.948 | 18.778 | 8.7 | 171.2 | 0.981D | 36.575A | 0.95 | 0.115 | 156.4 | 58.1 | 25.3 | 0.173 |
| | | 8.42 | 5.08 | 13.50 | ONE | 30.626 | 296.3 | -26.2 | 51.9 | | | | | | | | | | |
| 44290.0 | 51510.0 | 0.430 | 209.8 | -10.3 | 0.55 | 1.403 | 80.8 | 0.949 | 18.757 | 18.9 | 171.3 | 0.963D | 36.551A | 1.27 | 0.115 | 156.6 | 58.0 | 25.3 | 0.173 |
| | | 9.10 | 5.08 | 14.18 | ONE | 30.626 | 296.3 | -26.2 | 52.0 | | | | | | | | | | |
| 44300.0 | 51510.0 | 0.480 | 206.1 | -9.5 | 0.41 | 1.402 | 75.8 | 0.950 | 18.714 | 29.1 | 171.5 | 0.930D | 36.498A | 1.43 | 0.114 | 156.9 | 57.7 | 25.3 | 0.174 |
| | | 10.27 | 5.09 | 15.36 | ONE | 30.626 | 296.3 | -26.2 | 52.2 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44310.0 | 51510.0 | 0.545 | 204.6 | -9.3 | 0.34 | 1.400 | 70.8 | 0.953 | 18.651 | 39.4 | 171.7 | 0.884D | 36.419A | 1.53 | 0.113 | 157.3 | 57.4 | 25.2 | 0.174 |
| | | 11.83 | 5.10 | 16.93 | ONE | 30.626 | 296.3 | -26.2 | 52.6 | | | | | | | | | | |
| 44320.0 | 51510.0 | 0.620 | 205.0 | -9.7 | 0.30 | 1.398 | 65.8 | 0.956 | 18.571 | 49.7 | 172.1 | 0.825D | 36.318A | 1.60 | 0.112 | 157.9 | 56.9 | 25.1 | 0.175 |
| | | 13.70 | 5.10 | 18.81 | ONE | 30.626 | 296.3 | -26.2 | 53.0 | | | | | | | | | | |
| ARRIVAL DATE = 2451710.0 | | | | | | | | | | | | | | | | | | | |
| 44220.0 | 51710.0 | 0.647 | 233.9 | -19.9 | -0.31 | 1.406 | 115.3 | 0.955 | 17.917 | 308.1 | 532.9 | 0.801 | 35.033A | 1.98 | 0.103 | 156.2 | 55.3 | 24.8 | 0.170 |
| | | 14.40 | 5.05 | 19.45 | TWO | 29.343 | 297.6 | -26.0 | 55.7 | | | | | | | | | | |
| 44230.0 | 51710.0 | 0.574 | 235.7 | -20.6 | -0.38 | 1.406 | 110.5 | 0.952 | 18.013 | 318.0 | 532.5 | 0.860 | 35.166A | 2.07 | 0.105 | 155.7 | 55.8 | 25.0 | 0.169 |
| | | 12.54 | 5.05 | 17.59 | TWO | 29.343 | 297.6 | -26.0 | 55.2 | | | | | | | | | | |
| 44240.0 | 51710.0 | 0.507 | 235.7 | -21.1 | -0.52 | 1.407 | 105.6 | 0.950 | 18.095 | 327.9 | 532.3 | 0.910 | 35.280A | 2.24 | 0.106 | 155.3 | 56.3 | 25.2 | 0.169 |
| | | 10.91 | 5.04 | 15.95 | TWO | 29.343 | 297.6 | -26.0 | 54.7 | | | | | | | | | | |
| 44250.0 | 51710.0 | 0.452 | 233.2 | -21.9 | -0.88 | 1.407 | 100.8 | 0.948 | 18.159 | 337.8 | 532.0 | 0.948 | 35.370A | 2.61 | 0.107 | 155.0 | 56.6 | 25.4 | 0.169 |
| | | 9.60 | 5.04 | 14.64 | TWO | 29.343 | 297.6 | -26.0 | 54.4 | | | | | | | | | | |
| 44260.0 | 51710.0 | 0.416 | 226.3 | -28.3 | -3.08 | 1.406 | 95.9 | 0.947 | 18.204 | 347.9 | 531.9 | 0.973 | 35.434A | 4.84 | 0.107 | 154.8 | 56.7 | 26.0 | 0.168 |
| | | 8.79 | 5.04 | 13.82 | TWO | 29.343 | 297.6 | -26.0 | 54.2 | | | | | | | | | | |
| 44270.0 | 51710.0 | 0.394 | 224.9 | -9.5 | 2.01 | 1.405 | 91.0 | 0.946 | 18.228 | 358.0 | 531.8 | 0.985 | 35.470A | -0.24 | 0.108 | 154.7 | 57.2 | 24.7 | 0.168 |
| | | 8.30 | 5.03 | 13.34 | ONE | 29.343 | 297.6 | -26.0 | 54.0 | | | | | | | | | | |
| 44280.0 | 51710.0 | 0.397 | 216.6 | -11.6 | 0.77 | 1.404 | 86.1 | 0.946 | 18.230 | 8.1 | 171.8 | 0.982D | 35.478A | 1.02 | 0.108 | 154.7 | 57.1 | 25.1 | 0.168 |
| | | 8.38 | 5.03 | 13.42 | ONE | 29.343 | 297.6 | -26.0 | 54.0 | | | | | | | | | | |
| 44290.0 | 51710.0 | 0.427 | 210.5 | -10.7 | 0.49 | 1.403 | 81.1 | 0.947 | 18.212 | 18.3 | 171.9 | 0.964D | 35.459A | 1.33 | 0.107 | 154.9 | 57.0 | 25.1 | 0.169 |
| | | 9.03 | 5.04 | 14.07 | ONE | 29.343 | 297.6 | -26.0 | 54.1 | | | | | | | | | | |
| 44300.0 | 51710.0 | 0.476 | 206.7 | -9.9 | 0.36 | 1.401 | 76.1 | 0.949 | 18.174 | 28.5 | 172.1 | 0.933D | 35.415A | 1.47 | 0.107 | 155.2 | 56.8 | 25.1 | 0.169 |
| | | 10.17 | 5.04 | 15.22 | ONE | 29.343 | 297.6 | -26.0 | 54.3 | | | | | | | | | | |
| 44310.0 | 51710.0 | 0.540 | 205.1 | -9.7 | 0.30 | 1.399 | 71.1 | 0.951 | 18.118 | 38.8 | 172.3 | 0.887D | 35.348A | 1.56 | 0.106 | 155.7 | 56.4 | 25.0 | 0.170 |
| | | 11.71 | 5.05 | 16.76 | ONE | 29.343 | 297.6 | -26.0 | 54.7 | | | | | | | | | | |
| 44320.0 | 51710.0 | 0.614 | 205.5 | -10.0 | 0.26 | 1.397 | 66.1 | 0.954 | 18.046 | 49.0 | 172.6 | 0.829D | 35.263A | 1.62 | 0.105 | 156.3 | 56.0 | 24.9 | 0.171 |
| | | 13.56 | 5.06 | 18.62 | ONE | 29.343 | 297.6 | -26.0 | 55.1 | | | | | | | | | | |
| ARRIVAL DATE = 2451910.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 51910.0 | 0.577 | 236.3 | -20.6 | -0.31 | 1.406 | 110.8 | 0.951 | 17.575 | 317.4 | 533.1 | 0.857 | 34.293A | 2.01 | 0.098 | 153.9 | 54.8 | 24.7 | 0.165 |
| | | 12.63 | 5.01 | 17.64 | TWO | 30.982 | 298.8 | -25.7 | 57.3 | | | | | | | | | | |
| 44240.0 | 51910.0 | 0.511 | 236.4 | -21.0 | -0.42 | 1.406 | 105.9 | 0.949 | 17.649 | 327.3 | 532.9 | 0.907 | 34.391A | 2.14 | 0.099 | 153.5 | 55.3 | 24.9 | 0.165 |
| | | 10.99 | 5.00 | 15.99 | TWO | 30.982 | 298.8 | -25.7 | 56.9 | | | | | | | | | | |
| 44250.0 | 51910.0 | 0.454 | 234.2 | -21.5 | -0.68 | 1.406 | 101.1 | 0.947 | 17.708 | 337.3 | 532.7 | 0.946 | 34.469A | 2.42 | 0.100 | 153.2 | 55.6 | 25.1 | 0.164 |
| | | 9.65 | 5.00 | 14.65 | TWO | 30.982 | 298.8 | -25.7 | 56.5 | | | | | | | | | | |
| 44260.0 | 51910.0 | 0.414 | 228.4 | -24.9 | -1.98 | 1.406 | 96.2 | 0.945 | 17.748 | 347.3 | 532.5 | 0.972 | 34.525A | 3.73 | 0.101 | 153.0 | 55.8 | 25.5 | 0.164 |
| | | 8.75 | 4.99 | 13.75 | TWO | 30.982 | 298.8 | -25.7 | 56.3 | | | | | | | | | | |
| 44270.0 | 51910.0 | 0.394 | 225.9 | -9.6 | 2.07 | 1.405 | 91.3 | 0.945 | 17.771 | 357.4 | 532.4 | 0.985 | 34.557A | -0.30 | 0.101 | 152.9 | 56.2 | 24.5 | 0.164 |
| | | 8.31 | 4.99 | 13.30 | ONE | 30.982 | 298.8 | -25.7 | 56.1 | | | | | | | | | | |
| 44280.0 | 51910.0 | 0.396 | 217.5 | -12.2 | 0.69 | 1.404 | 86.3 | 0.945 | 17.774 | 7.5 | 172.4 | 0.983D | 34.565A | 1.10 | 0.101 | 152.9 | 56.1 | 24.9 | 0.164 |
| | | 8.35 | 4.99 | 13.34 | ONE | 30.982 | 298.8 | -25.7 | 56.1 | | | | | | | | | | |
| 44290.0 | 51910.0 | 0.424 | 211.3 | -11.2 | 0.42 | 1.402 | 81.4 | 0.946 | 17.758 | 17.7 | 172.5 | 0.966D | 34.550A | 1.38 | 0.101 | 153.1 | 56.0 | 24.9 | 0.164 |
| | | 8.97 | 5.00 | 13.97 | ONE | 30.982 | 298.8 | -25.7 | 56.2 | | | | | | | | | | |
| 44300.0 | 51910.0 | 0.472 | 207.3 | -10.3 | 0.31 | 1.401 | 76.4 | 0.947 | 17.724 | 27.9 | 172.7 | 0.935D | 34.513A | 1.51 | 0.100 | 153.4 | 55.8 | 24.9 | 0.165 |
| | | 10.08 | 5.00 | 15.08 | ONE | 30.982 | 298.8 | -25.7 | 56.4 | | | | | | | | | | |
| 44310.0 | 51910.0 | 0.536 | 205.7 | -10.0 | 0.25 | 1.399 | 71.4 | 0.950 | 17.673 | 38.2 | 172.9 | 0.890D | 34.456A | 1.59 | 0.099 | 153.9 | 55.5 | 24.8 | 0.166 |
| | | 11.60 | 5.01 | 16.60 | ONE | 30.982 | 298.8 | -25.7 | 56.7 | | | | | | | | | | |
| 44320.0 | 51910.0 | 0.609 | 206.0 | -10.3 | 0.22 | 1.397 | 66.4 | 0.953 | 17.609 | 48.4 | 173.2 | 0.833D | 34.384A | 1.64 | 0.098 | 154.5 | 55.0 | 24.7 | 0.166 |
| | | 13.42 | 5.02 | 18.44 | ONE | 30.982 | 298.8 | -25.7 | 57.2 | | | | | | | | | | |
| ARRIVAL DATE = 2452110.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 52110.0 | 0.582 | 237.0 | -20.5 | -0.24 | 1.405 | 111.0 | 0.950 | 17.207 | 316.7 | 533.7 | 0.853 | 33.560A | 1.96 | 0.091 | 152.0 | 53.8 | 24.5 | 0.162 |
| | | 12.74 | 4.97 | 17.71 | TWO | 29.090 | 300.1 | -25.4 | 59.4 | | | | | | | | | | |
| 44240.0 | 52110.0 | 0.514 | 237.2 | -20.9 | -0.32 | 1.406 | 106.2 | 0.948 | 17.275 | 326.7 | 533.4 | 0.905 | 33.645A | 2.05 | 0.093 | 151.6 | 54.3 | 24.6 | 0.161 |
| | | 11.07 | 4.96 | 16.04 | TWO | 29.090 | 300.1 | -25.4 | 59.0 | | | | | | | | | | |
| 44250.0 | 52110.0 | 0.457 | 235.2 | -21.1 | -0.50 | 1.406 | 101.3 | 0.946 | 17.329 | 336.7 | 533.2 | 0.944 | 33.713A | 2.25 | 0.094 | 151.2 | 54.6 | 24.8 | 0.161 |
| | | 9.71 | 4.96 | 14.67 | TWO | 29.090 | 300.1 | -25.4 | 58.6 | | | | | | | | | | |
| 44260.0 | 52110.0 | 0.415 | 230.0 | -22.9 | -1.28 | 1.405 | 96.5 | 0.944 | 17.367 | 346.7 | 533.1 | 0.971 | 33.762A | 3.04 | 0.094 | 151.0 | 54.8 | 25.1 | 0.160 |
| | | 8.76 | 4.96 | 13.72 | TWO | 29.090 | 300.1 | -25.4 | 58.4 | | | | | | | | | | |
| 44270.0 | 52110.0 | 0.394 | 227.0 | -9.6 | 2.17 | 1.404 | 91.6 | 0.943 | 17.387 | 356.8 | 533.0 | 0.984 | 33.791A | -0.40 | 0.095 | 150.9 | 55.3 | 24.2 | 0.160 |
| | | 8.31 | 4.96 | 13.27 | ONE | 29.090 | 300.1 | -25.4 | 58.3 | | | | | | | | | | |
| 44280.0 | 52110.0 | 0.394 | 218.4 | -12.9 | 0.59 | 1.403 | 86.6 | 0.943 | 17.391 | 6.9 | 173.0 | 0.983D | 33.799A | 1.19 | 0.095 | 151.0 | 55.2 | 24.6 | 0.160 |
| | | 8.32 | 4.96 | 13.27 | ONE | 29.090 | 300.1 | -25.4 | 58.2 | | | | | | | | | | |
| 44290.0 | 52110.0 | 0.421 | 212.1 | -11.8 | 0.35 | 1.402 | 81.7 | 0.944 | 17.377 | 17.1 | 173.1 | 0.968D | 33.786A | 1.45 | 0.094 | 151.1 | 55.0 | 24.7 | 0.161 |
| | | 8.91 | 4.96 | 13.87 | ONE | 29.090 | 300.1 | -25.4 | 58.3 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44300.0 | 52110.0 | 0.469 | 208.1 | -10.7 | 0.25 | 1.400 | 76.7 | 0.946 | 17.346 | 27.3 | 173.2 | 0.937D | 33.756A | 1.56 | 0.094 | 151.4 | 54.8 | 24.6 | 0.161 |
| | | 9.99 | 4.96 | 14.95 | ONE | 29.090 | 300.1 | -25.4 | 58.5 | | | | | | | | | | |
| 44310.0 | 52110.0 | 0.531 | 206.3 | -10.3 | 0.20 | 1.398 | 71.8 | 0.948 | 17.301 | 37.5 | 173.4 | 0.894D | 33.708A | 1.62 | 0.093 | 151.9 | 54.5 | 24.6 | 0.162 |
| | | 11.48 | 4.97 | 16.45 | ONE | 29.090 | 300.1 | -25.4 | 58.8 | | | | | | | | | | |
| 44320.0 | 52110.0 | 0.603 | 206.5 | -10.6 | 0.18 | 1.396 | 66.8 | 0.951 | 17.242 | 47.7 | 173.7 | 0.837D | 33.647A | 1.66 | 0.092 | 152.5 | 54.1 | 24.5 | 0.163 |
| | | 13.28 | 4.98 | 18.26 | ONE | 29.090 | 300.1 | -25.4 | 59.2 | | | | | | | | | | |
| | | | | | ARRIVAL DATE = 2452310.0 | | | | | | | | | | | | | | |
| 44230.0 | 52310.0 | 0.586 | 237.6 | -20.5 | -0.17 | 1.405 | 111.4 | 0.950 | 16.896 | 316.1 | 534.3 | 0.850 | 32.942A | 1.91 | 0.085 | 149.9 | 52.8 | 24.2 | 0.159 |
| | | 12.85 | 4.94 | 17.79 | TWO | 31.063 | 301.4 | -25.1 | 61.6 | | | | | | | | | | |
| 44240.0 | 52310.0 | 0.518 | 238.0 | -20.8 | -0.23 | 1.405 | 106.5 | 0.947 | 16.959 | 326.0 | 534.0 | 0.902 | 33.016A | 1.97 | 0.087 | 149.5 | 53.3 | 24.4 | 0.158 |
| | | 11.16 | 4.93 | 16.10 | TWO | 31.063 | 301.4 | -25.1 | 61.1 | | | | | | | | | | |
| 44250.0 | 52310.0 | 0.459 | 236.2 | -20.9 | -0.35 | 1.405 | 101.6 | 0.945 | 17.009 | 336.0 | 533.8 | 0.942 | 33.076A | 2.10 | 0.088 | 149.1 | 53.7 | 24.5 | 0.157 |
| | | 9.78 | 4.93 | 14.71 | TWO | 31.063 | 301.4 | -25.1 | 60.8 | | | | | | | | | | |
| 44260.0 | 52310.0 | 0.416 | 231.5 | -21.5 | -0.80 | 1.405 | 96.8 | 0.943 | 17.044 | 346.1 | 533.7 | 0.970 | 33.119A | 2.56 | 0.088 | 148.9 | 53.9 | 24.7 | 0.157 |
| | | 8.79 | 4.93 | 13.71 | TWO | 31.063 | 301.4 | -25.1 | 60.5 | | | | | | | | | | |
| 44270.0 | 52310.0 | 0.395 | 228.2 | -9.2 | 2.35 | 1.404 | 91.9 | 0.942 | 17.064 | 356.2 | 533.6 | 0.984 | 33.145A | -0.58 | 0.089 | 148.8 | 54.3 | 23.9 | 0.157 |
| | | 8.33 | 4.92 | 13.25 | ONE | 31.063 | 301.4 | -25.1 | 60.4 | | | | | | | | | | |
| 44280.0 | 52310.0 | 0.393 | 219.3 | -13.6 | 0.48 | 1.403 | 86.9 | 0.942 | 17.068 | 6.3 | 173.6 | 0.984D | 33.152A | 1.30 | 0.089 | 148.9 | 54.2 | 24.4 | 0.157 |
| | | 8.29 | 4.92 | 13.21 | ONE | 31.063 | 301.4 | -25.1 | 60.4 | | | | | | | | | | |
| 44290.0 | 52310.0 | 0.418 | 213.0 | -12.3 | 0.27 | 1.401 | 82.0 | 0.943 | 17.056 | 16.5 | 173.7 | 0.969D | 33.143A | 1.52 | 0.089 | 149.0 | 54.1 | 24.5 | 0.157 |
| | | 8.84 | 4.93 | 13.77 | ONE | 31.063 | 301.4 | -25.1 | 60.4 | | | | | | | | | | |
| 44300.0 | 52310.0 | 0.465 | 208.8 | -11.2 | 0.19 | 1.400 | 77.1 | 0.945 | 17.028 | 26.6 | 173.8 | 0.940D | 33.117A | 1.61 | 0.088 | 149.3 | 53.9 | 24.4 | 0.158 |
| | | 9.90 | 4.93 | 14.83 | ONE | 31.063 | 301.4 | -25.1 | 60.6 | | | | | | | | | | |
| 44310.0 | 52310.0 | 0.526 | 207.0 | -10.7 | 0.16 | 1.398 | 72.1 | 0.947 | 16.987 | 36.8 | 174.0 | 0.897D | 33.077A | 1.66 | 0.087 | 149.8 | 53.6 | 24.3 | 0.158 |
| | | 11.36 | 4.94 | 16.29 | ONE | 31.063 | 301.4 | -25.1 | 60.9 | | | | | | | | | | |
| 44320.0 | 52310.0 | 0.597 | 207.1 | -10.9 | 0.13 | 1.396 | 67.1 | 0.950 | 16.933 | 47.0 | 174.2 | 0.842D | 33.024A | 1.69 | 0.086 | 150.4 | 53.2 | 24.2 | 0.159 |
| | | 13.13 | 4.95 | 18.08 | ONE | 31.063 | 301.4 | -25.1 | 61.3 | | | | | | | | | | |
| | | | | | ARRIVAL DATE = 2452510.0 | | | | | | | | | | | | | | |
| 44230.0 | 52510.0 | 0.591 | 238.3 | -20.5 | -0.11 | 1.405 | 111.7 | 0.949 | 16.633 | 315.4 | 534.8 | 0.846 | 32.420A | 1.86 | 0.080 | 147.7 | 51.9 | 23.9 | 0.156 |
| | | 12.97 | 4.91 | 17.88 | TWO | 29.134 | 302.7 | -24.8 | 63.7 | | | | | | | | | | |
| 44240.0 | 52510.0 | 0.522 | 238.8 | -20.7 | -0.14 | 1.405 | 106.8 | 0.946 | 16.692 | 325.4 | 534.5 | 0.899 | 32.485A | 1.90 | 0.081 | 147.2 | 52.3 | 24.1 | 0.155 |
| | | 11.26 | 4.91 | 16.17 | TWO | 29.134 | 302.7 | -24.8 | 63.2 | | | | | | | | | | |
| 44250.0 | 52510.0 | 0.463 | 237.2 | -20.7 | -0.21 | 1.405 | 101.9 | 0.944 | 16.738 | 335.4 | 534.3 | 0.940 | 32.537A | 1.97 | 0.082 | 146.8 | 52.7 | 24.2 | 0.154 |
| | | 9.85 | 4.90 | 14.75 | TWO | 29.134 | 302.7 | -24.8 | 62.9 | | | | | | | | | | |
| 44260.0 | 52510.0 | 0.418 | 232.9 | -20.6 | -0.45 | 1.405 | 97.1 | 0.942 | 16.772 | 345.4 | 534.2 | 0.969 | 32.575A | 2.22 | 0.083 | 146.6 | 52.9 | 24.4 | 0.154 |
| | | 8.83 | 4.90 | 13.73 | TWO | 29.134 | 302.7 | -24.8 | 62.6 | | | | | | | | | | |
| 44270.0 | 52510.0 | 0.397 | 229.8 | -7.9 | 2.85 | 1.404 | 92.2 | 0.941 | 16.791 | 355.5 | 534.1 | 0.984 | 32.598A | -1.08 | 0.083 | 146.5 | 53.4 | 23.5 | 0.154 |
| | | 8.37 | 4.90 | 13.27 | ONE | 29.134 | 302.7 | -24.8 | 62.5 | | | | | | | | | | |
| 44280.0 | 52510.0 | 0.392 | 220.3 | -14.4 | 0.34 | 1.403 | 87.3 | 0.941 | 16.795 | 5.7 | 174.1 | 0.984D | 32.605A | 1.43 | 0.083 | 146.5 | 53.2 | 24.2 | 0.154 |
| | | 8.26 | 4.90 | 13.16 | ONE | 29.134 | 302.7 | -24.8 | 62.5 | | | | | | | | | | |
| 44290.0 | 52510.0 | 0.416 | 213.8 | -12.9 | 0.19 | 1.401 | 82.3 | 0.942 | 16.784 | 15.8 | 174.2 | 0.971D | 32.598A | 1.60 | 0.083 | 146.7 | 53.1 | 24.2 | 0.154 |
| | | 8.78 | 4.90 | 13.68 | ONE | 29.134 | 302.7 | -24.8 | 62.5 | | | | | | | | | | |
| 44300.0 | 52510.0 | 0.461 | 209.6 | -11.7 | 0.13 | 1.399 | 77.4 | 0.944 | 16.759 | 26.0 | 174.3 | 0.962D | 32.576A | 1.66 | 0.083 | 147.0 | 52.9 | 24.2 | 0.154 |
| | | 9.80 | 4.90 | 14.71 | ONE | 29.134 | 302.7 | -24.8 | 62.7 | | | | | | | | | | |
| 44310.0 | 52510.0 | 0.521 | 207.6 | -11.1 | 0.10 | 1.397 | 72.4 | 0.946 | 16.722 | 36.1 | 174.5 | 0.901D | 32.542A | 1.70 | 0.082 | 147.4 | 52.6 | 24.1 | 0.155 |
| | | 11.23 | 4.91 | 16.14 | ONE | 29.134 | 302.7 | -24.8 | 63.0 | | | | | | | | | | |
| 44320.0 | 52510.0 | 0.592 | 207.6 | -11.2 | 0.09 | 1.395 | 67.5 | 0.949 | 16.672 | 46.3 | 174.7 | 0.846D | 32.498A | 1.72 | 0.081 | 148.1 | 52.2 | 24.0 | 0.156 |
| | | 12.99 | 4.92 | 17.91 | ONE | 29.134 | 302.7 | -24.8 | 63.4 | | | | | | | | | | |
| | | | | | ARRIVAL DATE = 2452710.0 | | | | | | | | | | | | | | |
| 44230.0 | 52710.0 | 0.596 | 239.0 | -20.5 | -0.05 | 1.404 | 112.0 | 0.949 | 16.410 | 314.7 | 535.3 | 0.842 | 31.977A | 1.81 | 0.075 | 145.2 | 50.9 | 23.6 | 0.153 |
| | | 13.09 | 4.89 | 17.98 | TWO | 30.845 | 303.9 | -24.5 | 65.8 | | | | | | | | | | |
| 44240.0 | 52710.0 | 0.526 | 239.6 | -20.7 | -0.06 | 1.405 | 107.1 | 0.946 | 16.465 | 324.7 | 535.0 | 0.895 | 32.034A | 1.83 | 0.076 | 144.7 | 51.4 | 23.8 | 0.152 |
| | | 11.37 | 4.88 | 16.25 | TWO | 30.845 | 303.9 | -24.5 | 65.3 | | | | | | | | | | |
| 44250.0 | 52710.0 | 0.466 | 238.2 | -20.5 | -0.09 | 1.405 | 102.3 | 0.943 | 16.509 | 334.7 | 534.9 | 0.938 | 32.080A | 1.86 | 0.077 | 144.3 | 51.8 | 23.9 | 0.152 |
| | | 9.93 | 4.88 | 14.81 | TWO | 30.845 | 303.9 | -24.5 | 65.0 | | | | | | | | | | |
| 44260.0 | 52710.0 | 0.420 | 234.2 | -20.0 | -0.18 | 1.404 | 97.4 | 0.942 | 16.540 | 344.8 | 534.7 | 0.967 | 32.113A | 1.95 | 0.078 | 144.1 | 52.0 | 24.0 | 0.151 |
| | | 8.88 | 4.87 | 13.75 | TWO | 30.845 | 303.9 | -24.5 | 64.7 | | | | | | | | | | |
| 44270.0 | 52710.0 | 0.442 | 237.0 | 13.2 | 9.69 | 1.403 | 92.5 | 0.941 | 16.559 | 354.9 | 534.7 | 0.983 | 32.134A | -7.92 | 0.078 | 144.0 | 53.1 | 21.2 | 0.152 |
| | | 9.37 | 4.88 | 14.25 | ONE | 30.845 | 303.9 | -24.5 | 64.7 | | | | | | | | | | |
| 44280.0 | 52710.0 | 0.391 | 221.2 | -15.3 | 0.18 | 1.402 | 87.6 | 0.941 | 16.563 | 5.0 | 174.7 | 0.985D | 32.141A | 1.60 | 0.078 | 144.0 | 52.3 | 24.0 | 0.151 |
| | | 8.24 | 4.87 | 13.11 | ONE | 30.845 | 303.9 | -24.5 | 64.5 | | | | | | | | | | |
| 44290.0 | 52710.0 | 0.413 | 214.8 | -13.6 | 0.09 | 1.401 | 82.7 | 0.941 | 16.554 | 15.1 | 174.7 | 0.972D | 32.136A | 1.69 | 0.078 | 144.2 | 52.2 | 24.0 | 0.151 |
| | | 8.72 | 4.87 | 13.60 | ONE | 30.845 | 303.9 | -24.5 | 64.6 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44300.0 | 52710.0 | 0.457 | 210.4 | -12.2 | 0.06 | 1.399 | 77.7 | 0.943 | 16.531 | 25.3 | 174.8 | 0.945D | 32.118A | 1.72 | 0.078 | 144.5 | 52.0 | 24.0 | 0.152 |
| | | 9.71 | 4.88 | 14.59 | ONE | 30.845 | 303.9 | -24.5 | 64.8 | | | | | | | | | | |
| 44310.0 | 52710.0 | 0.516 | 208.3 | -11.5 | 0.05 | 1.397 | 72.8 | 0.945 | 16.497 | 35.4 | 174.9 | 0.904D | 32.089A | 1.74 | 0.077 | 144.9 | 51.7 | 23.9 | 0.152 |
| | | 11.11 | 4.88 | 16.00 | ONE | 30.845 | 303.9 | -24.5 | 65.0 | | | | | | | | | | |
| 44320.0 | 52710.0 | 0.586 | 208.2 | -11.5 | 0.04 | 1.395 | 67.8 | 0.948 | 16.451 | 45.6 | 175.1 | 0.851D | 32.051A | 1.75 | 0.076 | 145.5 | 51.4 | 23.8 | 0.153 |
| | | 12.84 | 4.89 | 17.74 | ONE | 30.845 | 303.9 | -24.5 | 65.4 | | | | | | | | | | |
| ARRIVAL DATE = 2452910.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 52910.0 | 0.601 | 239.7 | -20.5 | 0.01 | 1.404 | 112.4 | 0.948 | 16.220 | 314.0 | 535.7 | 0.837 | 31.603A | 1.77 | 0.070 | 142.5 | 50.0 | 23.4 | 0.151 |
| | | 13.22 | 4.87 | 18.10 | TWO | 29.459 | 305.2 | -24.2 | 67.9 | | | | | | | | | | |
| 44240.0 | 52910.0 | 0.531 | 240.5 | -20.7 | 0.01 | 1.404 | 107.5 | 0.945 | 16.272 | 324.0 | 535.5 | 0.892 | 31.652A | 1.77 | 0.071 | 142.0 | 50.5 | 23.5 | 0.150 |
| | | 11.48 | 4.86 | 16.34 | TWO | 29.459 | 305.2 | -24.2 | 67.4 | | | | | | | | | | |
| 44250.0 | 52910.0 | 0.470 | 239.2 | -20.4 | 0.01 | 1.404 | 102.6 | 0.943 | 16.313 | 334.0 | 535.4 | 0.935 | 31.692A | 1.76 | 0.072 | 141.6 | 50.9 | 23.6 | 0.149 |
| | | 10.02 | 4.86 | 14.87 | TWO | 29.459 | 305.2 | -24.2 | 67.1 | | | | | | | | | | |
| 44260.0 | 52910.0 | 0.422 | 235.4 | -19.6 | 0.03 | 1.404 | 97.7 | 0.941 | 16.344 | 344.1 | 535.2 | 0.966 | 31.722A | 1.75 | 0.073 | 141.4 | 51.1 | 23.7 | 0.149 |
| | | 8.93 | 4.85 | 13.78 | TWO | 29.459 | 305.2 | -24.2 | 66.8 | | | | | | | | | | |
| 44270.0 | 52910.0 | 0.394 | 229.7 | -17.2 | 0.29 | 1.403 | 92.8 | 0.940 | 16.361 | 354.2 | 535.2 | 0.983 | 31.740A | 1.48 | 0.073 | 141.3 | 51.3 | 23.7 | 0.149 |
| | | 8.31 | 4.85 | 13.16 | TWO | 29.459 | 305.2 | -24.2 | 66.6 | | | | | | | | | | |
| 44280.0 | 52910.0 | 0.390 | 222.2 | -16.4 | -0.03 | 1.402 | 87.9 | 0.940 | 16.366 | 4.3 | 175.2 | 0.985D | 31.747A | 1.81 | 0.074 | 141.3 | 51.3 | 23.8 | 0.149 |
| | | 8.22 | 4.85 | 13.07 | ONE | 29.459 | 305.2 | -24.2 | 66.6 | | | | | | | | | | |
| 44290.0 | 52910.0 | 0.410 | 215.8 | -14.3 | -0.02 | 1.401 | 83.0 | 0.940 | 16.358 | 14.4 | 175.2 | 0.974D | 31.743A | 1.79 | 0.073 | 141.5 | 51.3 | 23.8 | 0.149 |
| | | 8.67 | 4.85 | 13.52 | ONE | 29.459 | 305.2 | -24.2 | 66.7 | | | | | | | | | | |
| 44300.0 | 52910.0 | 0.453 | 211.2 | -12.7 | -0.01 | 1.399 | 78.1 | 0.942 | 16.338 | 24.6 | 175.3 | 0.948D | 31.728A | 1.78 | 0.073 | 141.7 | 51.1 | 23.7 | 0.149 |
| | | 9.62 | 4.86 | 14.47 | ONE | 29.459 | 305.2 | -24.2 | 66.8 | | | | | | | | | | |
| 44310.0 | 52910.0 | 0.511 | 209.0 | -11.9 | -0.01 | 1.397 | 73.2 | 0.944 | 16.306 | 34.7 | 175.4 | 0.908D | 31.704A | 1.78 | 0.072 | 142.2 | 50.8 | 23.6 | 0.150 |
| | | 10.99 | 4.86 | 15.85 | ONE | 29.459 | 305.2 | -24.2 | 67.1 | | | | | | | | | | |
| 44320.0 | 52910.0 | 0.580 | 208.8 | -11.8 | -0.01 | 1.395 | 68.2 | 0.947 | 16.263 | 44.8 | 175.6 | 0.855D | 31.671A | 1.78 | 0.071 | 142.7 | 50.5 | 23.5 | 0.151 |
| | | 12.70 | 4.87 | 17.57 | ONE | 29.459 | 305.2 | -24.2 | 67.4 | | | | | | | | | | |
| ARRIVAL DATE = 2453110.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 53110.0 | 0.606 | 240.4 | -20.5 | 0.06 | 1.404 | 112.7 | 0.948 | 16.059 | 313.2 | 536.2 | 0.833 | 31.285A | 1.73 | 0.065 | 139.5 | 49.1 | 23.1 | 0.149 |
| | | 13.36 | 4.85 | 18.22 | TWO | 30.395 | 306.5 | -23.9 | 69.9 | | | | | | | | | | |
| 44240.0 | 53110.0 | 0.536 | 241.3 | -20.6 | 0.08 | 1.404 | 107.8 | 0.945 | 16.108 | 323.2 | 536.0 | 0.888 | 31.328A | 1.71 | 0.067 | 139.0 | 49.6 | 23.2 | 0.148 |
| | | 11.60 | 4.85 | 16.44 | TWO | 30.395 | 306.5 | -23.9 | 69.5 | | | | | | | | | | |
| 44250.0 | 53110.0 | 0.474 | 240.2 | -20.3 | 0.11 | 1.404 | 103.0 | 0.942 | 16.148 | 333.3 | 535.8 | 0.932 | 31.363A | 1.67 | 0.068 | 138.7 | 50.0 | 23.4 | 0.147 |
| | | 10.11 | 4.84 | 14.95 | TWO | 30.395 | 306.5 | -23.9 | 69.1 | | | | | | | | | | |
| 44260.0 | 53110.0 | 0.425 | 236.7 | -19.3 | 0.20 | 1.404 | 98.1 | 0.940 | 16.177 | 343.3 | 535.7 | 0.964 | 31.389A | 1.58 | 0.069 | 138.5 | 50.3 | 23.4 | 0.147 |
| | | 8.99 | 4.83 | 13.83 | TWO | 30.395 | 306.5 | -23.9 | 68.9 | | | | | | | | | | |
| 44270.0 | 53110.0 | 0.396 | 231.6 | -14.8 | 1.10 | 1.403 | 93.2 | 0.939 | 16.194 | 353.4 | 535.6 | 0.982 | 31.406A | 0.68 | 0.069 | 138.4 | 50.5 | 23.2 | 0.146 |
| | | 8.35 | 4.83 | 13.18 | TWO | 30.395 | 306.5 | -23.9 | 68.7 | | | | | | | | | | |
| 44280.0 | 53110.0 | 0.389 | 223.2 | -17.7 | -0.31 | 1.402 | 88.3 | 0.939 | 16.199 | 3.6 | 175.6 | 0.986D | 31.413A | 2.08 | 0.069 | 138.4 | 50.4 | 23.6 | 0.146 |
| | | 8.20 | 4.83 | 13.03 | ONE | 30.395 | 306.5 | -23.9 | 68.6 | | | | | | | | | | |
| 44290.0 | 53110.0 | 0.408 | 216.8 | -15.0 | -0.14 | 1.400 | 83.4 | 0.940 | 16.192 | 13.7 | 175.7 | 0.975D | 31.410A | 1.90 | 0.069 | 138.5 | 50.4 | 23.6 | 0.147 |
| | | 8.61 | 4.83 | 13.45 | ONE | 30.395 | 306.5 | -23.9 | 68.7 | | | | | | | | | | |
| 44300.0 | 53110.0 | 0.449 | 212.1 | -13.3 | -0.09 | 1.399 | 78.5 | 0.941 | 16.174 | 23.8 | 175.7 | 0.950D | 31.397A | 1.85 | 0.069 | 138.8 | 50.2 | 23.5 | 0.147 |
| | | 9.53 | 4.84 | 14.36 | ONE | 30.395 | 306.5 | -23.9 | 68.8 | | | | | | | | | | |
| 44310.0 | 53110.0 | 0.506 | 209.8 | -12.4 | -0.07 | 1.397 | 73.5 | 0.944 | 16.144 | 34.0 | 175.9 | 0.911D | 31.377A | 1.83 | 0.068 | 139.2 | 50.0 | 23.4 | 0.148 |
| | | 10.87 | 4.84 | 15.71 | ONE | 30.395 | 306.5 | -23.9 | 69.1 | | | | | | | | | | |
| 44320.0 | 53110.0 | 0.574 | 209.5 | -12.2 | -0.06 | 1.395 | 68.6 | 0.947 | 16.105 | 44.1 | 176.0 | 0.860D | 31.349A | 1.81 | 0.067 | 139.7 | 49.7 | 23.3 | 0.149 |
| | | 12.55 | 4.85 | 17.40 | ONE | 30.395 | 306.5 | -23.9 | 69.4 | | | | | | | | | | |
| ARRIVAL DATE = 2453510.0 | | | | | | | | | | | | | | | | | | | |
| 44230.0 | 53510.0 | 0.618 | 241.8 | -20.6 | 0.16 | 1.404 | 113.5 | 0.948 | 15.807 | 311.7 | 537.0 | 0.823 | 30.792A | 1.66 | 0.057 | 132.7 | 47.5 | 22.6 | 0.146 |
| | | 13.66 | 4.83 | 18.49 | TWO | 29.842 | 309.0 | -23.1 | 73.9 | | | | | | | | | | |
| 44240.0 | 53510.0 | 0.546 | 243.0 | -20.6 | 0.20 | 1.404 | 108.6 | 0.944 | 15.852 | 321.7 | 536.9 | 0.881 | 30.824A | 1.60 | 0.059 | 132.3 | 48.0 | 22.7 | 0.145 |
| | | 11.85 | 4.82 | 16.67 | TWO | 29.842 | 309.0 | -23.1 | 73.5 | | | | | | | | | | |
| 44250.0 | 53510.0 | 0.482 | 242.2 | -20.2 | 0.28 | 1.404 | 103.7 | 0.942 | 15.888 | 331.8 | 536.7 | 0.927 | 30.850A | 1.52 | 0.060 | 132.0 | 48.3 | 22.8 | 0.144 |
| | | 10.31 | 4.81 | 15.12 | TWO | 29.842 | 309.0 | -23.1 | 73.1 | | | | | | | | | | |
| 44260.0 | 53510.0 | 0.431 | 239.2 | -18.9 | 0.46 | 1.403 | 98.8 | 0.940 | 15.915 | 341.9 | 536.6 | 0.960 | 30.870A | 1.33 | 0.061 | 131.9 | 48.6 | 22.9 | 0.143 |
| | | 9.13 | 4.80 | 13.93 | TWO | 29.842 | 309.0 | -23.1 | 72.9 | | | | | | | | | | |
| 44270.0 | 53510.0 | 0.399 | 234.5 | -14.2 | 1.45 | 1.403 | 93.9 | 0.938 | 15.932 | 352.0 | 536.5 | 0.981 | 30.883A | 0.32 | 0.062 | 131.8 | 48.9 | 22.6 | 0.143 |
| | | 8.42 | 4.80 | 13.22 | TWO | 29.842 | 309.0 | -23.1 | 72.7 | | | | | | | | | | |
| 44280.0 | 53510.0 | 0.389 | 224.8 | -21.5 | -1.20 | 1.401 | 89.0 | 0.938 | 15.938 | 2.1 | 176.5 | 0.986D | 30.889A | 2.97 | 0.062 | 131.8 | 48.7 | 23.4 | 0.143 |
| | | 8.20 | 4.80 | 13.00 | ONE | 29.842 | 309.0 | -23.1 | 72.6 | | | | | | | | | | |
| 44290.0 | 53510.0 | 0.403 | 218.8 | -16.8 | -0.43 | 1.400 | 84.1 | 0.939 | 15.933 | 12.2 | 176.5 | 0.978D | 30.888A | 2.18 | 0.062 | 131.9 | 48.7 | 23.2 | 0.143 |
| | | 8.51 | 4.80 | 13.31 | ONE | 29.842 | 309.0 | -23.1 | 72.7 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44300.0 | 53510.0 | 0.441 | 214.0 | -14.5 | -0.27 | 1.398 | 79.2 | 0.940 | 15.918 | 22.3 | 176.6 | 0.955D | 30.880A | 2.01 | 0.061 | 132.1 | 48.6 | 23.1 | 0.144 |
| | | 9.35 | 4.81 | 14.16 | ONE | 29.842 | 309.0 | -23.1 | 72.8 | | | | | | | | | | |
| 44310.0 | 53510.0 | 0.496 | 211.4 | -13.3 | -0.20 | 1.396 | 74.3 | 0.942 | 15.892 | 32.4 | 176.7 | 0.919D | 30.866A | 1.93 | 0.060 | 132.4 | 48.4 | 23.0 | 0.144 |
| | | 10.63 | 4.81 | 15.44 | ONE | 29.842 | 309.0 | -23.1 | 73.0 | | | | | | | | | | |
| 44320.0 | 53510.0 | 0.562 | 210.9 | -12.9 | -0.16 | 1.394 | 69.4 | 0.945 | 15.858 | 42.5 | 176.8 | 0.869D | 30.846A | 1.88 | 0.059 | 132.9 | 48.1 | 22.9 | 0.145 |
| | | 12.26 | 4.82 | 17.08 | ONE | 29.842 | 309.0 | -23.1 | 73.3 | | | | | | | | | | |
| 44330.0 | 53510.0 | 0.637 | 212.0 | -13.2 | -0.14 | 1.392 | 64.5 | 0.949 | 15.816 | 52.5 | 177.0 | 0.809D | 30.823A | 1.85 | 0.058 | 133.6 | 47.8 | 22.7 | 0.147 |
| | | 14.15 | 4.83 | 18.98 | ONE | 29.842 | 309.0 | -23.1 | 73.6 | | | | | | | | | | |

ARRIVAL DATE = 2453910.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44230.0 | 53910.0 | 0.630 | 243.3 | -20.7 | 0.26 | 1.403 | 114.3 | 0.948 | 15.630 | 310.1 | 537.8 | 0.813 | 30.448A | 1.59 | 0.051 | 124.7 | 46.1 | 22.1 | 0.144 |
| | | 13.98 | 4.81 | 18.78 | TWO | 29.347 | 311.4 | -22.4 | 77.7 | | | | | | | | | | |
| 44240.0 | 53910.0 | 0.557 | 244.7 | -20.7 | 0.31 | 1.404 | 109.3 | 0.944 | 15.671 | 320.1 | 537.6 | 0.872 | 30.471A | 1.52 | 0.053 | 124.5 | 46.5 | 22.2 | 0.143 |
| | | 12.12 | 4.80 | 16.92 | TWO | 29.347 | 311.4 | -22.4 | 77.3 | | | | | | | | | | |
| 44250.0 | 53910.0 | 0.491 | 244.3 | -20.2 | 0.41 | 1.404 | 104.4 | 0.941 | 15.705 | 330.2 | 537.5 | 0.920 | 30.490A | 1.40 | 0.054 | 124.3 | 46.8 | 22.3 | 0.142 |
| | | 10.53 | 4.79 | 15.32 | TWO | 29.347 | 311.4 | -22.4 | 77.0 | | | | | | | | | | |
| 44260.0 | 53910.0 | 0.438 | 241.6 | -18.8 | 0.64 | 1.403 | 99.5 | 0.939 | 15.730 | 340.3 | 537.4 | 0.956 | 30.505A | 1.15 | 0.055 | 124.2 | 47.1 | 22.3 | 0.141 |
| | | 9.29 | 4.78 | 14.07 | TWO | 29.347 | 311.4 | -22.4 | 76.7 | | | | | | | | | | |
| 44270.0 | 53910.0 | 0.403 | 237.2 | -14.5 | 1.56 | 1.402 | 94.7 | 0.938 | 15.747 | 350.4 | 537.4 | 0.979 | 30.515A | 0.21 | 0.055 | 124.2 | 47.4 | 22.1 | 0.141 |
| | | 8.50 | 4.78 | 13.28 | TWO | 29.347 | 311.4 | -22.4 | 76.5 | | | | | | | | | | |
| 44280.0 | 53910.0 | 0.395 | 225.2 | -30.0 | -3.45 | 1.401 | 89.8 | 0.937 | 15.753 | 0.5 | 177.4 | 0.987D | 30.520A | 5.21 | 0.056 | 124.2 | 46.9 | 23.7 | 0.141 |
| | | 8.32 | 4.78 | 13.10 | ONE | 29.347 | 311.4 | -22.4 | 76.5 | | | | | | | | | | |
| 44290.0 | 53910.0 | 0.400 | 221.0 | -18.9 | -0.83 | 1.400 | 84.9 | 0.938 | 15.750 | 10.6 | 177.4 | 0.981D | 30.520A | 2.57 | 0.056 | 124.3 | 47.2 | 22.9 | 0.141 |
| | | 8.43 | 4.78 | 13.21 | ONE | 29.347 | 311.4 | -22.4 | 76.5 | | | | | | | | | | |
| 44300.0 | 53910.0 | 0.433 | 216.0 | -15.9 | -0.48 | 1.398 | 80.0 | 0.939 | 15.737 | 20.7 | 177.4 | 0.960D | 30.515A | 2.20 | 0.055 | 124.4 | 47.1 | 22.7 | 0.141 |
| | | 9.18 | 4.78 | 13.97 | ONE | 29.347 | 311.4 | -22.4 | 76.6 | | | | | | | | | | |
| 44310.0 | 53910.0 | 0.486 | 213.1 | -14.3 | -0.35 | 1.396 | 75.1 | 0.941 | 15.715 | 30.8 | 177.5 | 0.926D | 30.505A | 2.05 | 0.054 | 124.7 | 47.0 | 22.6 | 0.142 |
| | | 10.39 | 4.79 | 15.18 | ONE | 29.347 | 311.4 | -22.4 | 76.8 | | | | | | | | | | |
| 44320.0 | 53910.0 | 0.550 | 212.3 | -13.8 | -0.28 | 1.394 | 70.2 | 0.944 | 15.685 | 40.9 | 177.6 | 0.879D | 30.492A | 1.97 | 0.053 | 125.0 | 46.7 | 22.5 | 0.143 |
| | | 11.96 | 4.80 | 16.76 | ONE | 29.347 | 311.4 | -22.4 | 77.0 | | | | | | | | | | |
| 44330.0 | 53910.0 | 0.624 | 213.2 | -13.9 | -0.24 | 1.392 | 65.3 | 0.948 | 15.648 | 50.9 | 177.7 | 0.820D | 30.476A | 1.91 | 0.052 | 125.5 | 46.4 | 22.3 | 0.144 |
| | | 13.81 | 4.81 | 18.62 | ONE | 29.347 | 311.4 | -22.4 | 77.3 | | | | | | | | | | |

ARRIVAL DATE = 2454310.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44230.0 | 54310.0 | 0.643 | 244.8 | -20.7 | 0.34 | 1.403 | 115.1 | 0.948 | 15.511 | 308.4 | 538.5 | 0.802 | 30.219A | 1.53 | 0.046 | 115.5 | 44.8 | 21.7 | 0.143 |
| | | 14.31 | 4.80 | 19.11 | TWO | 29.053 | 313.9 | -21.6 | 81.4 | | | | | | | | | | |
| 44240.0 | 54310.0 | 0.569 | 246.5 | -20.7 | 0.41 | 1.403 | 110.2 | 0.944 | 15.549 | 318.5 | 538.4 | 0.863 | 30.234A | 1.44 | 0.048 | 115.5 | 45.2 | 21.8 | 0.141 |
| | | 12.42 | 4.79 | 17.20 | TWO | 29.053 | 313.9 | -21.6 | 81.0 | | | | | | | | | | |
| 44250.0 | 54310.0 | 0.502 | 246.4 | -20.2 | 0.53 | 1.403 | 105.2 | 0.941 | 15.580 | 328.5 | 538.3 | 0.913 | 30.247A | 1.29 | 0.049 | 115.6 | 45.5 | 21.9 | 0.140 |
| | | 10.77 | 4.78 | 15.55 | TWO | 29.053 | 313.9 | -21.6 | 80.7 | | | | | | | | | | |
| 44260.0 | 54310.0 | 0.446 | 244.1 | -18.8 | 0.79 | 1.403 | 100.3 | 0.939 | 15.604 | 338.7 | 538.2 | 0.951 | 30.258A | 1.01 | 0.050 | 115.6 | 45.8 | 21.9 | 0.139 |
| | | 9.47 | 4.77 | 14.24 | TWO | 29.053 | 313.9 | -21.6 | 80.4 | | | | | | | | | | |
| 44270.0 | 54310.0 | 0.408 | 239.9 | -14.9 | 1.62 | 1.402 | 95.4 | 0.938 | 15.620 | 348.8 | 538.2 | 0.976 | 30.265A | 0.16 | 0.051 | 115.7 | 46.1 | 21.7 | 0.139 |
| | | 8.60 | 4.77 | 13.37 | TWO | 29.053 | 313.9 | -21.6 | 80.2 | | | | | | | | | | |
| 44280.0 | 54310.0 | 0.556 | 195.4 | -70.6 | -19.24 | 1.401 | 90.5 | 0.937 | 15.628 | 358.9 | 538.1 | 0.987 | 30.269A | 20.99 | 0.051 | 115.7 | 43.5 | 27.8 | 0.143 |
| | | 12.10 | 4.80 | 16.90 | ONE | 29.053 | 313.9 | -21.6 | 80.4 | | | | | | | | | | |
| 44290.0 | 54310.0 | 0.397 | 223.1 | -21.7 | -1.40 | 1.400 | 85.7 | 0.937 | 15.626 | 9.0 | 178.1 | 0.983D | 30.269A | 3.13 | 0.051 | 115.8 | 45.8 | 22.6 | 0.139 |
| | | 8.36 | 4.77 | 13.13 | ONE | 29.053 | 313.9 | -21.6 | 80.1 | | | | | | | | | | |
| 44300.0 | 54310.0 | 0.426 | 218.1 | -17.5 | -0.74 | 1.398 | 80.8 | 0.938 | 15.615 | 19.1 | 178.2 | 0.965D | 30.266A | 2.44 | 0.051 | 115.9 | 45.8 | 22.4 | 0.139 |
| | | 9.02 | 4.77 | 13.79 | ONE | 29.053 | 313.9 | -21.6 | 80.2 | | | | | | | | | | |
| 44310.0 | 54310.0 | 0.476 | 214.9 | -15.5 | -0.51 | 1.396 | 75.9 | 0.940 | 15.597 | 29.1 | 178.2 | 0.933D | 30.260A | 2.19 | 0.050 | 116.0 | 45.7 | 22.2 | 0.140 |
| | | 10.16 | 4.77 | 14.93 | ONE | 29.053 | 313.9 | -21.6 | 80.4 | | | | | | | | | | |
| 44320.0 | 54310.0 | 0.539 | 213.9 | -14.6 | -0.40 | 1.394 | 71.0 | 0.943 | 15.570 | 39.2 | 178.3 | 0.888D | 30.252A | 2.06 | 0.049 | 116.1 | 45.5 | 22.1 | 0.141 |
| | | 11.67 | 4.78 | 16.45 | ONE | 29.053 | 313.9 | -21.6 | 80.6 | | | | | | | | | | |
| 44330.0 | 54310.0 | 0.610 | 214.6 | -14.6 | -0.34 | 1.392 | 66.1 | 0.947 | 15.536 | 49.2 | 178.4 | 0.831D | 30.242A | 1.97 | 0.047 | 116.4 | 45.3 | 22.0 | 0.142 |
| | | 13.47 | 4.79 | 18.26 | ONE | 29.053 | 313.9 | -21.6 | 80.9 | | | | | | | | | | |

ARRIVAL DATE = 2454710.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44240.0 | 54710.0 | 0.581 | 248.2 | -20.8 | 0.50 | 1.403 | 111.0 | 0.945 | 15.471 | 316.7 | 539.1 | 0.853 | 30.089A | 1.37 | 0.045 | 105.7 | 44.1 | 21.4 | 0.140 |
| | | 12.74 | 4.78 | 17.51 | TWO | 29.048 | 316.3 | -20.8 | 84.4 | | | | | | | | | | |
| 44250.0 | 54710.0 | 0.513 | 248.4 | -20.3 | 0.63 | 1.403 | 106.1 | 0.942 | 15.501 | 326.8 | 539.0 | 0.906 | 30.097A | 1.21 | 0.046 | 106.0 | 44.5 | 21.5 | 0.139 |
| | | 11.04 | 4.77 | 15.81 | TWO | 29.048 | 316.3 | -20.8 | 84.1 | | | | | | | | | | |
| 44260.0 | 54710.0 | 0.455 | 246.6 | -18.9 | 0.90 | 1.403 | 101.2 | 0.939 | 15.525 | 337.0 | 538.9 | 0.946 | 30.103A | 0.91 | 0.047 | 106.3 | 44.7 | 21.5 | 0.138 |
| | | 9.66 | 4.76 | 14.43 | TWO | 29.048 | 316.3 | -20.8 | 83.9 | | | | | | | | | | |
| 44270.0 | 54710.0 | 0.413 | 242.6 | -15.4 | 1.65 | 1.402 | 96.2 | 0.937 | 15.540 | 347.1 | 538.9 | 0.973 | 30.107A | 0.13 | 0.048 | 106.4 | 45.0 | 21.3 | 0.138 |
| | | 8.72 | 4.76 | 13.48 | TWO | 29.048 | 316.3 | -20.8 | 83.7 | | | | | | | | | | |

1980
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44280.0 | 54710.0 | 0.458<br>9.74 | 243.7<br>4.76 | 17.4<br>14.51 | 11.59<br>TWO | 1.401<br>29.048 | 91.4<br>316.3 | 0.937<br>-20.8 | 15.548<br>83.7 | 357.2 | 538.8 | 0.986 | 30.110A | -9.85 | 0.048 | 106.6 | 46.2 | 18.2 | 0.138 |
| 44290.0 | 54710.0 | 0.395<br>8.34 | 225.0<br>4.76 | -25.5<br>13.09 | -2.29<br>ONE | 1.399<br>29.048 | 86.5<br>316.3 | 0.937<br>-20.8 | 15.548<br>83.6 | 7.3 | 178.8 | 0.985D | 30.111A | 4.00 | 0.048 | 106.6 | 44.6 | 22.5 | 0.138 |
| 44300.0 | 54710.0 | 0.420<br>8.88 | 220.3<br>4.76 | -19.3<br>13.64 | -1.06<br>ONE | 1.398<br>29.048 | 81.6<br>316.3 | 0.938<br>-20.8 | 15.539<br>83.7 | 17.4 | 178.9 | 0.969D | 30.109A | 2.75 | 0.048 | 106.6 | 44.7 | 22.1 | 0.138 |
| 44310.0 | 54710.0 | 0.466<br>9.93 | 216.8<br>4.76 | -16.7<br>14.70 | -0.70<br>ONE | 1.396<br>29.048 | 76.7<br>316.3 | 0.939<br>-20.8 | 15.523<br>83.8 | 27.4 | 178.9 | 0.940D | 30.106A | 2.36 | 0.047 | 106.6 | 44.7 | 21.9 | 0.139 |
| 44320.0 | 54710.0 | 0.527<br>11.38 | 215.5<br>4.77 | -15.6<br>16.15 | -0.54<br>ONE | 1.394<br>29.048 | 71.9<br>316.3 | 0.942<br>-20.8 | 15.499<br>84.0 | 37.4 | 179.0 | 0.897D | 30.101A | 2.17 | 0.046 | 106.5 | 44.5 | 21.8 | 0.139 |
| 44330.0 | 54710.0 | 0.597<br>13.13 | 216.0<br>4.78 | -15.3<br>17.91 | -0.45<br>ONE | 1.392<br>29.048 | 67.0<br>316.3 | 0.946<br>-20.8 | 15.469<br>84.2 | 47.4 | 179.0 | 0.842D | 30.096A | 2.04 | 0.044 | 106.5 | 44.3 | 21.7 | 0.141 |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2446470.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446670.0 | | | | | | | | | | |
| 44640.0 | 46670.0 | 0.629 | 245.8 | -17.4 | 1.63 | 1.613 | 97.9 | 1.557 | -1.743 | 347.0 | 486.1 | 0.971 | NA | 0.19 | 0.800 | 176.3 | 73.5 | 27.8 | 0.810 |
| | | 13.94 | 17.93 | 31.87 | ONE | 29.716 | 263.9 | -28.7 | 9.2 | | | | | | | | | | |
| 44650.0 | 46670.0 | 0.604 | 240.6 | -17.0 | 1.37 | 1.613 | 92.0 | 1.569 | -1.733 | 356.7 | 485.7 | 0.987 | NA | 0.56 | 0.802 | 176.2 | 73.6 | 27.8 | 0.812 |
| | | 13.31 | 17.99 | 31.30 | ONE | 29.716 | 263.9 | -28.7 | 9.1 | | | | | | | | | | |
| 44660.0 | 46670.0 | 0.608 | 234.2 | -16.1 | 1.22 | 1.613 | 85.9 | 1.572 | -1.725 | 6.8 | 125.7 | 0.986D | NA | 0.83 | 0.804 | 176.2 | 73.6 | 27.9 | 0.813 |
| | | 13.40 | 18.03 | 31.42 | ONE | 29.716 | 263.9 | -28.7 | 9.1 | | | | | | | | | | |
| 44670.0 | 46670.0 | 0.641 | 228.2 | -15.0 | 1.13 | 1.612 | 79.5 | 1.562 | -1.718 | 17.1 | 126.0 | 0.965D | NA | 1.05 | 0.805 | 176.3 | 73.5 | 27.9 | 0.815 |
| | | 14.25 | 18.07 | 32.32 | ONE | 29.716 | 263.9 | -28.7 | 9.1 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2446870.0 | | | | | | | | | | |
| 44630.0 | 46870.0 | 0.620 | 246.1 | -16.3 | 2.10 | 1.573 | 101.7 | 1.422 | -2.251 | 340.1 | 490.5 | 0.950 | NA | -0.39 | 0.714 | 176.0 | 73.5 | 27.8 | 0.726 |
| | | 13.76 | 15.81 | 29.52 | ONE | 30.433 | 265.2 | -28.7 | 10.4 | | | | | | | | | | |
| 44640.0 | 46870.0 | 0.579 | 242.0 | -16.5 | 1.62 | 1.573 | 96.1 | 1.437 | -2.236 | 349.6 | 489.9 | 0.976 | NA | 0.19 | 0.717 | 175.9 | 73.6 | 27.8 | 0.728 |
| | | 12.68 | 15.86 | 28.54 | ONE | 30.433 | 265.2 | -28.7 | 10.3 | | | | | | | | | | |
| 44650.0 | 46870.0 | 0.562 | 236.2 | -15.9 | 1.36 | 1.573 | 90.3 | 1.444 | -2.224 | 359.4 | 489.6 | 0.988 | NA | 0.56 | 0.718 | 175.9 | 73.6 | 27.8 | 0.729 |
| | | 12.25 | 15.90 | 28.14 | ONE | 30.433 | 265.2 | -28.7 | 10.3 | | | | | | | | | | |
| 44660.0 | 46870.0 | 0.573 | 229.7 | -14.9 | 1.20 | 1.572 | 84.4 | 1.443 | -2.215 | 9.6 | 129.6 | 0.982D | NA | 0.84 | 0.719 | 175.9 | 73.6 | 27.9 | 0.731 |
| | | 12.52 | 15.93 | 28.45 | ONE | 30.433 | 265.2 | -28.7 | 10.3 | | | | | | | | | | |
| 44670.0 | 46870.0 | 0.613 | 223.8 | -13.8 | 1.10 | 1.571 | 78.2 | 1.433 | -2.209 | 20.0 | 130.1 | 0.957D | NA | 1.06 | 0.720 | 176.0 | 73.6 | 27.9 | 0.732 |
| | | 13.53 | 15.96 | 29.49 | ONE | 30.433 | 265.2 | -28.7 | 10.3 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447070.0 | | | | | | | | | | |
| 44620.0 | 47070.0 | 0.631 | 245.9 | -13.9 | 3.22 | 1.543 | 105.4 | 1.320 | -2.883 | 333.0 | 494.7 | 0.923 | NA | -1.60 | 0.643 | 175.7 | 73.3 | 27.7 | 0.656 |
| | | 13.98 | 14.10 | 28.08 | ONE | 30.240 | 266.6 | -28.8 | 11.7 | | | | | | | | | | |
| 44630.0 | 47070.0 | 0.577 | 243.2 | -15.5 | 2.12 | 1.543 | 100.1 | 1.335 | -2.860 | 342.3 | 493.9 | 0.958 | NA | -0.40 | 0.645 | 175.6 | 73.5 | 27.8 | 0.658 |
| | | 12.62 | 14.14 | 26.76 | ONE | 30.240 | 266.6 | -28.8 | 11.6 | | | | | | | | | | |
| 44640.0 | 47070.0 | 0.542 | 238.5 | -15.6 | 1.62 | 1.543 | 94.6 | 1.345 | -2.842 | 351.9 | 493.4 | 0.980 | NA | 0.20 | 0.647 | 175.5 | 73.6 | 27.8 | 0.659 |
| | | 11.74 | 14.18 | 25.92 | ONE | 30.240 | 266.6 | -28.8 | 11.5 | | | | | | | | | | |
| 44650.0 | 47070.0 | 0.531 | 232.2 | -14.9 | 1.34 | 1.542 | 88.9 | 1.349 | -2.829 | 1.8 | 133.2 | 0.987D | NA | 0.57 | 0.648 | 175.5 | 73.6 | 27.9 | 0.660 |
| | | 11.48 | 14.21 | 25.68 | ONE | 30.240 | 266.6 | -28.8 | 11.4 | | | | | | | | | | |
| 44660.0 | 47070.0 | 0.548 | 225.7 | -13.8 | 1.18 | 1.541 | 83.1 | 1.347 | -2.819 | 12.1 | 133.3 | 0.977D | NA | 0.85 | 0.649 | 175.6 | 73.6 | 27.9 | 0.661 |
| | | 11.91 | 14.23 | 26.14 | ONE | 30.240 | 266.6 | -28.8 | 11.5 | | | | | | | | | | |
| 44670.0 | 47070.0 | 0.594 | 220.1 | -12.8 | 1.08 | 1.540 | 77.0 | 1.337 | -2.814 | 22.6 | 133.9 | 0.949D | NA | 1.07 | 0.649 | 175.6 | 73.5 | 27.9 | 0.662 |
| | | 13.05 | 14.25 | 27.30 | ONE | 30.240 | 266.6 | -28.8 | 11.5 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447270.0 | | | | | | | | | | |
| 44620.0 | 47270.0 | 0.594 | 243.9 | -12.8 | 3.33 | 1.519 | 104.0 | 1.256 | -3.642 | 334.8 | 497.8 | 0.932 | NA | -1.71 | 0.584 | 175.3 | 73.3 | 27.6 | 0.598 |
| | | 13.04 | 12.73 | 25.78 | ONE | 29.875 | 267.9 | -28.8 | 12.9 | | | | | | | | | | |
| 44630.0 | 47270.0 | 0.543 | 240.5 | -14.7 | 2.14 | 1.519 | 98.8 | 1.267 | -3.614 | 344.3 | 497.1 | 0.964 | NA | -0.42 | 0.586 | 175.2 | 73.5 | 27.8 | 0.600 |
| | | 11.78 | 12.77 | 24.55 | ONE | 29.875 | 267.9 | -28.8 | 12.8 | | | | | | | | | | |
| 44640.0 | 47270.0 | 0.513 | 235.3 | -14.7 | 1.61 | 1.519 | 93.4 | 1.274 | -3.593 | 354.0 | 496.6 | 0.983 | NA | 0.20 | 0.587 | 175.2 | 73.5 | 27.8 | 0.601 |
| | | 11.04 | 12.80 | 23.84 | ONE | 29.875 | 267.9 | -28.8 | 12.7 | | | | | | | | | | |
| 44650.0 | 47270.0 | 0.508 | 228.7 | -13.9 | 1.32 | 1.518 | 87.8 | 1.276 | -3.578 | 4.0 | 136.5 | 0.986D | NA | 0.59 | 0.588 | 175.2 | 73.6 | 27.9 | 0.602 |
| | | 10.92 | 12.82 | 23.74 | ONE | 29.875 | 267.9 | -28.8 | 12.7 | | | | | | | | | | |
| 44660.0 | 47270.0 | 0.531 | 222.2 | -12.8 | 1.16 | 1.517 | 82.0 | 1.273 | -3.568 | 14.3 | 136.7 | 0.973D | NA | 0.86 | 0.589 | 175.2 | 73.6 | 27.9 | 0.603 |
| | | 11.48 | 12.84 | 24.32 | ONE | 29.875 | 267.9 | -28.8 | 12.7 | | | | | | | | | | |
| 44670.0 | 47270.0 | 0.581 | 217.0 | -11.8 | 1.06 | 1.515 | 76.1 | 1.264 | -3.564 | 24.9 | 137.3 | 0.941D | NA | 1.08 | 0.589 | 175.3 | 73.5 | 27.9 | 0.603 |
| | | 12.72 | 12.85 | 25.57 | ONE | 29.875 | 267.9 | -28.8 | 12.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447470.0 | | | | | | | | | | |
| 44610.0 | 47470.0 | 0.649 | 246.4 | 0.0 | 9.54 | 1.500 | 107.9 | 1.194 | -4.638 | 327.3 | 501.5 | 0.898 | NA | -7.99 | 0.531 | 175.0 | 73.1 | 27.1 | 0.547 |
| | | 14.46 | 11.57 | 26.03 | ONE | 30.752 | 269.3 | -28.8 | 14.4 | | | | | | | | | | |
| 44620.0 | 47470.0 | 0.564 | 242.0 | -11.8 | 3.46 | 1.500 | 102.9 | 1.204 | -4.593 | 336.5 | 500.7 | 0.939 | NA | -1.83 | 0.533 | 174.9 | 73.3 | 27.6 | 0.549 |
| | | 12.30 | 11.60 | 23.91 | ONE | 30.752 | 269.3 | -28.8 | 14.1 | | | | | | | | | | |
| 44630.0 | 47470.0 | 0.517 | 238.0 | -13.8 | 2.15 | 1.500 | 97.7 | 1.212 | -4.559 | 346.0 | 500.0 | 0.969 | NA | -0.44 | 0.534 | 174.8 | 73.4 | 27.7 | 0.550 |
| | | 11.13 | 11.63 | 22.76 | ONE | 30.752 | 269.3 | -28.8 | 14.0 | | | | | | | | | | |
| 44640.0 | 47470.0 | 0.490 | 232.3 | -13.9 | 1.60 | 1.500 | 92.3 | 1.217 | -4.533 | 355.8 | 499.7 | 0.984 | NA | 0.21 | 0.536 | 174.8 | 73.5 | 27.8 | 0.551 |
| | | 10.51 | 11.65 | 22.16 | ONE | 30.752 | 269.3 | -28.8 | 13.9 | | | | | | | | | | |
| 44650.0 | 47470.0 | 0.490 | 225.6 | -13.0 | 1.31 | 1.499 | 86.8 | 1.218 | -4.515 | 5.9 | 139.6 | 0.985D | NA | 0.60 | 0.536 | 174.8 | 73.5 | 27.8 | 0.552 |
| | | 10.50 | 11.67 | 22.17 | ONE | 30.752 | 269.3 | -28.8 | 13.9 | | | | | | | | | | |
| 44660.0 | 47470.0 | 0.518 | 219.2 | -11.9 | 1.14 | 1.498 | 81.1 | 1.215 | -4.506 | 16.2 | 139.9 | 0.968D | NA | 0.87 | 0.537 | 174.8 | 73.5 | 27.9 | 0.552 |
| | | 11.17 | 11.68 | 22.86 | ONE | 30.752 | 269.3 | -28.8 | 13.9 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44670.0 | 47470.0 | 0.572 | 214.3 | -11.0 | 1.03 | 1.496 | 75.3 | 1.207 | -4.503 | 26.9 | 140.5 | 0.934D | NA | 1.09 | 0.537 | 174.9 | 73.4 | 27.9 | 0.553 |
| | | 12.49 | 11.69 | 24.18 | ONE | 30.752 | 269.3 | -28.8 | 14.0 | | | | | | | | | | |
| 44680.0 | 47470.0 | 0.646 | 211.5 | -10.5 | 0.97 | 1.494 | 69.3 | 1.195 | -4.506 | 37.9 | 141.5 | 0.881D | NA | 1.27 | 0.537 | 175.1 | 73.2 | 27.9 | 0.553 |
| | | 14.37 | 11.70 | 26.07 | ONE | 30.752 | 269.3 | -28.8 | 14.2 | | | | | | | | | | |
| ARRIVAL DATE = 2447670.0 | | | | | | | | | | | | | | | | | | | |
| 44610.0 | 47670.0 | 0.639 | 246.6 | 5.3 | 11.62 | 1.485 | 106.8 | 1.155 | -5.859 | 328.6 | 504.1 | 0.906 | NA | -10.06 | 0.487 | 174.5 | 73.1 | 26.8 | 0.505 |
| | | 14.20 | 10.63 | 24.83 | ONE | 29.413 | 270.6 | -28.8 | 15.7 | | | | | | | | | | |
| 44620.0 | 47670.0 | 0.541 | 240.3 | -10.7 | 3.61 | 1.485 | 101.9 | 1.163 | -5.802 | 338.0 | 503.3 | 0.945 | NA | -1.97 | 0.488 | 174.4 | 73.2 | 27.6 | 0.506 |
| | | 11.72 | 10.66 | 22.37 | ONE | 29.413 | 270.6 | -28.8 | 15.4 | | | | | | | | | | |
| 44630.0 | 47670.0 | 0.495 | 235.8 | -13.1 | 2.18 | 1.485 | 96.7 | 1.169 | -5.758 | 347.6 | 502.7 | 0.972 | NA | -0.45 | 0.490 | 174.4 | 73.3 | 27.7 | 0.507 |
| | | 10.62 | 10.68 | 21.30 | ONE | 29.413 | 270.6 | -28.8 | 15.3 | | | | | | | | | | |
| 44640.0 | 47670.0 | 0.473 | 229.7 | -13.1 | 1.59 | 1.484 | 91.4 | 1.172 | -5.726 | 357.4 | 502.4 | 0.985 | NA | 0.21 | 0.491 | 174.3 | 73.4 | 27.8 | 0.507 |
| | | 10.10 | 10.70 | 20.79 | ONE | 29.413 | 270.6 | -28.8 | 15.2 | | | | | | | | | | |
| 44650.0 | 47670.0 | 0.477 | 222.8 | -12.3 | 1.29 | 1.483 | 85.9 | 1.172 | -5.707 | 7.5 | 142.4 | 0.983D | NA | 0.61 | 0.491 | 174.3 | 73.4 | 27.8 | 0.508 |
| | | 10.20 | 10.71 | 20.90 | ONE | 29.413 | 270.6 | -28.8 | 15.2 | | | | | | | | | | |
| 44660.0 | 47670.0 | 0.509 | 216.6 | -11.1 | 1.11 | 1.482 | 80.3 | 1.169 | -5.697 | 17.9 | 142.8 | 0.964D | NA | 0.88 | 0.492 | 174.4 | 73.3 | 27.9 | 0.509 |
| | | 10.95 | 10.72 | 21.67 | ONE | 29.413 | 270.6 | -28.8 | 15.2 | | | | | | | | | | |
| 44670.0 | 47670.0 | 0.565 | 212.1 | -10.3 | 1.01 | 1.480 | 74.6 | 1.163 | -5.698 | 28.6 | 143.4 | 0.927D | NA | 1.10 | 0.492 | 174.5 | 73.2 | 27.9 | 0.509 |
| | | 12.33 | 10.73 | 23.06 | ONE | 29.413 | 270.6 | -28.8 | 15.3 | | | | | | | | | | |
| 44680.0 | 47670.0 | 0.640 | 209.7 | -10.0 | 0.95 | 1.478 | 68.7 | 1.153 | -5.706 | 39.6 | 144.4 | 0.873D | NA | 1.28 | 0.491 | 174.7 | 73.0 | 27.9 | 0.509 |
| | | 14.23 | 10.73 | 24.97 | ONE | 29.413 | 270.6 | -28.8 | 15.5 | | | | | | | | | | |
| ARRIVAL DATE = 2447870.0 | | | | | | | | | | | | | | | | | | | |
| 44620.0 | 47870.0 | 0.521 | 238.9 | -9.6 | 3.79 | 1.473 | 101.0 | 1.129 | -7.371 | 339.2 | 505.7 | 0.950 | NA | -2.14 | 0.449 | 174.0 | 73.1 | 27.5 | 0.468 |
| | | 11.25 | 9.86 | 21.11 | ONE | 31.094 | 272.0 | -28.8 | 16.7 | | | | | | | | | | |
| 44630.0 | 47870.0 | 0.478 | 233.9 | -12.4 | 2.20 | 1.472 | 95.9 | 1.133 | -7.313 | 348.9 | 505.2 | 0.975 | NA | -0.48 | 0.451 | 173.9 | 73.2 | 27.7 | 0.469 |
| | | 10.22 | 9.87 | 20.09 | ONE | 31.094 | 272.0 | -28.8 | 16.6 | | | | | | | | | | |
| 44640.0 | 47870.0 | 0.459 | 227.5 | -12.5 | 1.59 | 1.472 | 90.6 | 1.136 | -7.273 | 358.8 | 505.0 | 0.986 | NA | 0.22 | 0.451 | 173.9 | 73.2 | 27.8 | 0.469 |
| | | 9.78 | 9.89 | 19.67 | ONE | 31.094 | 272.0 | -28.8 | 16.5 | | | | | | | | | | |
| 44650.0 | 47870.0 | 0.467 | 220.5 | -11.6 | 1.27 | 1.471 | 85.2 | 1.135 | -7.250 | 9.0 | 145.1 | 0.981D | NA | 0.62 | 0.452 | 173.9 | 73.2 | 27.8 | 0.470 |
| | | 9.96 | 9.90 | 19.86 | ONE | 31.094 | 272.0 | -28.8 | 16.5 | | | | | | | | | | |
| 44660.0 | 47870.0 | 0.502 | 214.5 | -10.5 | 1.09 | 1.469 | 79.7 | 1.133 | -7.243 | 19.4 | 145.4 | 0.960D | NA | 0.90 | 0.452 | 174.0 | 73.2 | 27.8 | 0.470 |
| | | 10.79 | 9.91 | 20.70 | ONE | 31.094 | 272.0 | -28.8 | 16.6 | | | | | | | | | | |
| 44670.0 | 47870.0 | 0.560 | 210.3 | -9.7 | 0.98 | 1.468 | 74.0 | 1.127 | -7.248 | 30.1 | 146.1 | 0.921D | NA | 1.11 | 0.452 | 174.1 | 73.0 | 27.8 | 0.471 |
| | | 12.21 | 9.91 | 22.12 | ONE | 31.094 | 272.0 | -28.8 | 16.7 | | | | | | | | | | |
| 44680.0 | 47870.0 | 0.636 | 208.2 | -9.5 | 0.92 | 1.466 | 68.3 | 1.119 | -7.265 | 41.1 | 147.1 | 0.866D | NA | 1.29 | 0.452 | 174.3 | 72.8 | 27.8 | 0.471 |
| | | 14.13 | 9.92 | 24.05 | ONE | 31.094 | 272.0 | -28.8 | 16.9 | | | | | | | | | | |
| ARRIVAL DATE = 2448070.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 48070.0 | 0.627 | 234.3 | -33.0 | -6.00 | 1.462 | 110.2 | 1.090 | -9.697 | 321.4 | 509.6 | 0.871 | NA | 7.50 | 0.412 | 173.8 | 72.2 | 28.4 | 0.433 |
| | | 13.89 | 9.14 | 23.03 | TWO | 29.184 | 273.3 | -28.8 | 18.5 | | | | | | | | | | |
| 44620.0 | 48070.0 | 0.506 | 237.7 | -8.4 | 3.99 | 1.462 | 100.3 | 1.101 | -9.462 | 340.3 | 508.0 | 0.954 | NA | -2.35 | 0.415 | 173.5 | 72.9 | 27.5 | 0.435 |
| | | 10.88 | 9.18 | 20.06 | ONE | 29.184 | 273.3 | -28.8 | 18.1 | | | | | | | | | | |
| 44630.0 | 48070.0 | 0.465 | 232.2 | -11.7 | 2.23 | 1.462 | 95.2 | 1.104 | -9.384 | 350.0 | 507.6 | 0.977 | NA | -0.50 | 0.416 | 173.4 | 73.0 | 27.7 | 0.435 |
| | | 9.90 | 9.19 | 19.09 | ONE | 29.184 | 273.3 | -28.8 | 17.9 | | | | | | | | | | |
| 44640.0 | 48070.0 | 0.449 | 225.6 | -11.8 | 1.58 | 1.461 | 90.0 | 1.106 | -9.333 | 360.0 | 507.4 | 0.986 | NA | 0.23 | 0.416 | 173.4 | 73.0 | 27.8 | 0.436 |
| | | 9.53 | 9.21 | 18.73 | ONE | 29.184 | 273.3 | -28.8 | 17.9 | | | | | | | | | | |
| 44650.0 | 48070.0 | 0.460 | 218.6 | -11.0 | 1.25 | 1.460 | 84.7 | 1.105 | -9.305 | 10.2 | 147.5 | 0.980D | NA | 0.64 | 0.417 | 173.4 | 73.0 | 27.8 | 0.436 |
| | | 9.78 | 9.21 | 18.99 | ONE | 29.184 | 273.3 | -28.8 | 17.9 | | | | | | | | | | |
| 44660.0 | 48070.0 | 0.497 | 212.7 | -9.9 | 1.07 | 1.459 | 79.2 | 1.103 | -9.301 | 20.6 | 147.8 | 0.957D | NA | 0.91 | 0.417 | 173.5 | 73.0 | 27.8 | 0.437 |
| | | 10.66 | 9.22 | 19.88 | ONE | 29.184 | 273.3 | -28.8 | 18.0 | | | | | | | | | | |
| 44670.0 | 48070.0 | 0.557 | 208.8 | -9.3 | 0.96 | 1.457 | 73.6 | 1.098 | -9.316 | 31.3 | 148.5 | 0.917D | NA | 1.12 | 0.417 | 173.7 | 72.8 | 27.8 | 0.437 |
| | | 12.12 | 9.22 | 21.34 | ONE | 29.184 | 273.3 | -28.8 | 18.1 | | | | | | | | | | |
| 44680.0 | 48070.0 | 0.633 | 207.0 | -9.1 | 0.89 | 1.455 | 67.9 | 1.092 | -9.347 | 42.3 | 149.5 | 0.860D | NA | 1.29 | 0.416 | 173.9 | 72.6 | 27.8 | 0.437 |
| | | 14.04 | 9.23 | 23.27 | ONE | 29.184 | 273.3 | -28.8 | 18.3 | | | | | | | | | | |
| ARRIVAL DATE = 2448270.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 48270.0 | 0.608 | 233.8 | -31.1 | -5.05 | 1.453 | 109.5 | 1.069 | -12.699 | 322.2 | 511.5 | 0.877 | NA | 6.56 | 0.381 | 173.3 | 72.0 | 28.3 | 0.404 |
| | | 13.41 | 8.57 | 21.98 | TWO | 31.159 | 274.7 | -28.7 | 19.9 | | | | | | | | | | |
| 44620.0 | 48270.0 | 0.494 | 236.8 | -7.2 | 4.25 | 1.454 | 99.7 | 1.077 | -12.356 | 341.2 | 510.1 | 0.957 | NA | -2.59 | 0.384 | 173.0 | 72.7 | 27.4 | 0.405 |
| | | 10.59 | 8.60 | 19.19 | ONE | 31.159 | 274.7 | -28.7 | 19.5 | | | | | | | | | | |
| 44630.0 | 48270.0 | 0.453 | 230.8 | -11.1 | 2.25 | 1.454 | 94.7 | 1.080 | -12.247 | 351.0 | 509.7 | 0.978 | NA | -0.53 | 0.385 | 172.9 | 72.8 | 27.6 | 0.406 |
| | | 9.64 | 8.61 | 18.25 | ONE | 31.159 | 274.7 | -28.7 | 19.3 | | | | | | | | | | |
| 44640.0 | 48270.0 | 0.440 | 223.9 | -11.3 | 1.57 | 1.453 | 89.5 | 1.081 | -12.177 | 1.0 | 149.6 | 0.986D | NA | 0.23 | 0.385 | 172.9 | 72.8 | 27.7 | 0.406 |
| | | 9.33 | 8.62 | 17.95 | ONE | 31.159 | 274.7 | -28.7 | 19.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44650.0 | 48270.0 | 0.453 | 216.9 | -10.5 | 1.23 | 1.452 | 84.2 | 1.081 | -12.144 | 11.2 | 149.7 | 0.978D | NA | 0.65 | 0.385 | 173.0 | 72.8 | 27.8 | 0.407 |
| | | 9.64 | 8.63 | 18.27 | ONE | 31.159 | 274.7 | -28.7 | 19.3 | | | | | | | | | | |
| 44660.0 | 48270.0 | 0.493 | 211.2 | -9.5 | 1.04 | 1.450 | 78.8 | 1.079 | -12.145 | 21.7 | 150.0 | 0.954D | NA | 0.93 | 0.385 | 173.1 | 72.7 | 27.8 | 0.407 |
| | | 10.56 | 8.63 | 19.20 | ONE | 31.159 | 274.7 | -28.7 | 19.4 | | | | | | | | | | |
| 44670.0 | 48270.0 | 0.554 | 207.6 | -8.9 | 0.93 | 1.448 | 73.2 | 1.075 | -12.177 | 32.3 | 150.7 | 0.913D | NA | 1.13 | 0.385 | 173.2 | 72.5 | 27.8 | 0.407 |
| | | 12.04 | 8.64 | 20.68 | ONE | 31.159 | 274.7 | -28.7 | 19.5 | | | | | | | | | | |
| 44680.0 | 48270.0 | 0.630 | 206.1 | -8.8 | 0.86 | 1.446 | 67.6 | 1.070 | -12.234 | 43.3 | 151.6 | 0.855D | NA | 1.30 | 0.385 | 173.4 | 72.3 | 27.8 | 0.407 |
| | | 13.97 | 8.64 | 22.61 | ONE | 31.159 | 274.7 | -28.7 | 19.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448470.0 | | | | | | | | | | | |
| 44600.0 | 48470.0 | 0.593 | 233.4 | -29.5 | -4.31 | 1.446 | 109.0 | 1.051 | -17.115 | 322.9 | 513.4 | 0.881 | NA | 5.82 | 0.353 | 172.8 | 71.7 | 28.3 | 0.378 |
| | | 13.02 | 8.08 | 21.10 | TWO | 29.252 | 276.0 | -28.7 | 21.3 | | | | | | | | | | |
| 44620.0 | 48470.0 | 0.484 | 236.0 | -5.9 | 4.56 | 1.447 | 99.3 | 1.058 | -16.582 | 342.0 | 512.1 | 0.959 | NA | -2.90 | 0.356 | 172.5 | 72.4 | 27.3 | 0.379 |
| | | 10.36 | 8.10 | 18.46 | ONE | 29.252 | 276.0 | -28.7 | 20.9 | | | | | | | | | | |
| 44630.0 | 48470.0 | 0.444 | 229.6 | -10.6 | 2.29 | 1.446 | 94.2 | 1.060 | -16.417 | 351.8 | 511.7 | 0.979 | NA | -0.56 | 0.357 | 172.4 | 72.5 | 27.6 | 0.380 |
| | | 9.43 | 8.11 | 17.54 | ONE | 29.252 | 276.0 | -28.7 | 20.8 | | | | | | | | | | |
| 44640.0 | 48470.0 | 0.433 | 222.5 | -10.9 | 1.56 | 1.446 | 89.1 | 1.060 | -16.316 | 1.8 | 151.6 | 0.986D | NA | 0.24 | 0.357 | 172.4 | 72.5 | 27.7 | 0.380 |
| | | 9.17 | 8.12 | 17.29 | ONE | 29.252 | 276.0 | -28.7 | 20.7 | | | | | | | | | | |
| 44650.0 | 48470.0 | 0.448 | 215.5 | -10.0 | 1.21 | 1.444 | 83.8 | 1.060 | -16.275 | 12.1 | 151.7 | 0.976D | NA | 0.67 | 0.357 | 172.4 | 72.5 | 27.8 | 0.380 |
| | | 9.52 | 8.13 | 17.65 | ONE | 29.252 | 276.0 | -28.7 | 20.7 | | | | | | | | | | |
| 44660.0 | 48470.0 | 0.489 | 210.0 | -9.1 | 1.02 | 1.443 | 78.4 | 1.058 | -16.289 | 22.5 | 152.1 | 0.951D | NA | 0.94 | 0.357 | 172.5 | 72.4 | 27.8 | 0.381 |
| | | 10.48 | 8.13 | 18.61 | ONE | 29.252 | 276.0 | -28.7 | 20.8 | | | | | | | | | | |
| 44670.0 | 48470.0 | 0.551 | 206.6 | -8.6 | 0.90 | 1.441 | 73.0 | 1.056 | -16.352 | 33.2 | 152.7 | 0.909D | NA | 1.15 | 0.357 | 172.7 | 72.2 | 27.8 | 0.381 |
| | | 11.97 | 8.14 | 20.11 | ONE | 29.252 | 276.0 | -28.7 | 21.0 | | | | | | | | | | |
| 44680.0 | 48470.0 | 0.627 | 205.3 | -8.6 | 0.83 | 1.439 | 67.4 | 1.052 | -16.458 | 44.1 | 153.6 | 0.851D | NA | 1.31 | 0.356 | 172.9 | 71.9 | 27.7 | 0.381 |
| | | 13.90 | 8.14 | 22.04 | ONE | 29.252 | 276.0 | -28.7 | 21.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448670.0 | | | | | | | | | | | |
| 44590.0 | 48670.0 | 0.644 | 232.7 | -23.3 | -2.02 | 1.440 | 113.3 | 1.034 | -24.833 | 314.1 | 516.0 | 0.832 | NA | 3.48 | 0.326 | 172.4 | 71.1 | 27.9 | 0.353 |
| | | 14.33 | 7.64 | 21.97 | TWO | 30.925 | 277.4 | -28.6 | 23.1 | | | | | | | | | | |
| 44600.0 | 48670.0 | 0.580 | 233.1 | -28.1 | -3.71 | 1.441 | 108.6 | 1.037 | -24.176 | 323.4 | 515.1 | 0.885 | NA | 5.24 | 0.328 | 172.2 | 71.4 | 28.2 | 0.354 |
| | | 12.71 | 7.66 | 20.36 | TWO | 30.925 | 277.4 | -28.6 | 22.8 | | | | | | | | | | |
| 44620.0 | 48670.0 | 0.477 | 235.6 | -4.4 | 4.95 | 1.441 | 98.9 | 1.041 | -23.259 | 342.6 | 513.9 | 0.961 | NA | -3.29 | 0.331 | 171.9 | 72.1 | 27.2 | 0.355 |
| | | 10.19 | 7.68 | 17.87 | ONE | 30.925 | 277.4 | -28.6 | 22.4 | | | | | | | | | | |
| 44630.0 | 48670.0 | 0.437 | 228.6 | -10.1 | 2.32 | 1.440 | 93.8 | 1.043 | -22.984 | 352.5 | 513.6 | 0.980 | NA | -0.59 | 0.331 | 171.9 | 72.2 | 27.5 | 0.356 |
| | | 9.26 | 7.69 | 16.94 | ONE | 30.925 | 277.4 | -28.6 | 22.3 | | | | | | | | | | |
| 44640.0 | 48670.0 | 0.427 | 221.4 | -10.5 | 1.55 | 1.440 | 88.7 | 1.043 | -22.823 | 2.5 | 153.5 | 0.985D | NA | 0.25 | 0.332 | 171.9 | 72.2 | 27.7 | 0.356 |
| | | 9.03 | 7.69 | 16.73 | ONE | 30.925 | 277.4 | -28.6 | 22.2 | | | | | | | | | | |
| 44650.0 | 48670.0 | 0.444 | 214.4 | -9.7 | 1.19 | 1.438 | 83.5 | 1.043 | -22.767 | 12.8 | 153.6 | 0.975D | NA | 0.68 | 0.332 | 171.9 | 72.1 | 27.7 | 0.357 |
| | | 9.43 | 7.70 | 17.12 | ONE | 30.925 | 277.4 | -28.6 | 22.2 | | | | | | | | | | |
| 44660.0 | 48670.0 | 0.486 | 209.1 | -8.8 | 0.99 | 1.437 | 78.2 | 1.042 | -22.810 | 23.2 | 154.0 | 0.949D | NA | 0.96 | 0.332 | 172.0 | 72.0 | 27.7 | 0.357 |
| | | 10.41 | 7.70 | 18.11 | ONE | 30.925 | 277.4 | -28.6 | 22.3 | | | | | | | | | | |
| 44670.0 | 48670.0 | 0.548 | 205.8 | -8.4 | 0.87 | 1.435 | 72.7 | 1.040 | -22.942 | 33.8 | 154.6 | 0.907D | NA | 1.16 | 0.331 | 172.2 | 71.8 | 27.7 | 0.357 |
| | | 11.91 | 7.70 | 19.61 | ONE | 30.925 | 277.4 | -28.6 | 22.5 | | | | | | | | | | |
| 44680.0 | 48670.0 | 0.625 | 204.7 | -8.5 | 0.80 | 1.433 | 67.2 | 1.037 | -23.152 | 44.7 | 155.4 | 0.849D | NA | 1.32 | 0.331 | 172.4 | 71.6 | 27.7 | 0.357 |
| | | 13.83 | 7.71 | 21.54 | ONE | 30.925 | 277.4 | -28.6 | 22.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448870.0 | | | | | | | | | | | |
| 44590.0 | 48870.0 | 0.635 | 232.5 | -22.9 | -1.83 | 1.435 | 113.0 | 1.022 | -38.510 | 314.5 | 517.5 | 0.835 | NA | 3.31 | 0.304 | 171.8 | 70.7 | 27.9 | 0.332 |
| | | 14.10 | 7.28 | 21.37 | TWO | 29.595 | 278.7 | -28.5 | 24.7 | | | | | | | | | | |
| 44600.0 | 48870.0 | 0.570 | 232.9 | -27.0 | -3.22 | 1.435 | 108.3 | 1.024 | -37.126 | 323.8 | 516.7 | 0.888 | NA | 4.77 | 0.305 | 171.6 | 71.0 | 28.1 | 0.333 |
| | | 12.46 | 7.29 | 19.75 | TWO | 29.595 | 278.7 | -28.5 | 24.4 | | | | | | | | | | |
| 44610.0 | 48870.0 | 0.596 | 224.7 | -56.5 | -15.09 | 1.436 | 103.5 | 1.026 | -36.050 | 333.3 | 516.1 | 0.930 | NA | 16.70 | 0.307 | 171.5 | 70.7 | 29.7 | 0.335 |
| | | 13.10 | 7.32 | 20.41 | TWO | 29.595 | 278.7 | -28.5 | 24.5 | | | | | | | | | | |
| 44620.0 | 48870.0 | 0.472 | 235.4 | -2.5 | 5.47 | 1.436 | 98.5 | 1.027 | -35.254 | 343.1 | 515.6 | 0.962 | NA | -3.80 | 0.308 | 171.3 | 71.7 | 27.0 | 0.334 |
| | | 10.08 | 7.31 | 17.39 | ONE | 29.595 | 278.7 | -28.5 | 23.9 | | | | | | | | | | |
| 44630.0 | 48870.0 | 0.431 | 227.8 | -9.6 | 2.36 | 1.435 | 93.5 | 1.028 | -34.714 | 353.0 | 515.3 | 0.981 | NA | -0.63 | 0.308 | 171.3 | 71.8 | 27.5 | 0.335 |
| | | 9.12 | 7.32 | 16.43 | ONE | 29.595 | 278.7 | -28.5 | 23.8 | | | | | | | | | | |
| 44640.0 | 48870.0 | 0.422 | 220.5 | -10.2 | 1.54 | 1.434 | 88.4 | 1.029 | -34.411 | 3.1 | 155.2 | 0.985D | NA | 0.26 | 0.309 | 171.3 | 71.8 | 27.6 | 0.335 |
| | | 8.92 | 7.32 | 16.25 | ONE | 29.595 | 278.7 | -28.5 | 23.7 | | | | | | | | | | |
| 44650.0 | 48870.0 | 0.441 | 213.5 | -9.5 | 1.17 | 1.433 | 83.3 | 1.028 | -34.329 | 13.3 | 155.3 | 0.974D | NA | 0.70 | 0.309 | 171.3 | 71.8 | 27.7 | 0.335 |
| | | 9.34 | 7.33 | 16.67 | ONE | 29.595 | 278.7 | -28.5 | 23.8 | | | | | | | | | | |
| 44660.0 | 48870.0 | 0.484 | 208.3 | -8.6 | 0.97 | 1.432 | 78.0 | 1.027 | -34.450 | 23.7 | 155.7 | 0.947D | NA | 0.98 | 0.309 | 171.4 | 71.6 | 27.7 | 0.335 |
| | | 10.34 | 7.33 | 17.67 | ONE | 29.595 | 278.7 | -28.5 | 23.9 | | | | | | | | | | |
| 44670.0 | 48870.0 | 0.546 | 205.2 | -8.2 | 0.85 | 1.430 | 72.6 | 1.026 | -34.759 | 34.4 | 156.3 | 0.905D | NA | 1.17 | 0.308 | 171.6 | 71.4 | 27.7 | 0.336 |
| | | 11.85 | 7.33 | 19.18 | ONE | 29.595 | 278.7 | -28.5 | 24.1 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44680.0 | 48870.0 | 0.622 | 204.2 | -8.3 | 0.77 | 1.428 | 67.1 | 1.024 | -35.236 | 45.2 | 157.1 | 0.847D | NA | 1.33 | 0.308 | 171.9 | 71.1 | 27.7 | 0.336 |
| | | 13.76 | 7.34 | 21.10 | ONE | 29.595 | 278.7 | -28.5 | 24.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449070.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 49070.0 | 0.628 | 232.3 | -22.6 | -1.67 | 1.430 | 112.8 | 1.012 | -72.466 | 314.7 | 519.0 | 0.837 | NA | 3.16 | 0.283 | 171.3 | 70.2 | 27.8 | 0.314 |
| | | 13.90 | 6.96 | 20.87 | TWO | 30.461 | 280.1 | -28.4 | 26.3 | | | | | | | | | | |
| 44600.0 | 49070.0 | 0.562 | 232.7 | -26.1 | -2.82 | 1.431 | 108.0 | 1.013 | -68.197 | 324.1 | 518.2 | 0.890 | NA | 4.37 | 0.285 | 171.0 | 70.5 | 28.0 | 0.314 |
| | | 12.26 | 6.97 | 19.23 | TWO | 30.461 | 280.1 | -28.4 | 26.0 | | | | | | | | | | |
| 44610.0 | 49070.0 | 0.542 | 227.0 | -45.5 | -10.09 | 1.432 | 103.3 | 1.014 | -65.030 | 333.7 | 517.6 | 0.932 | NA | 11.70 | 0.286 | 170.9 | 70.5 | 29.1 | 0.315 |
| | | 11.75 | 6.99 | 18.74 | TWO | 30.461 | 280.1 | -28.4 | 25.9 | | | | | | | | | | |
| 44620.0 | 49070.0 | 0.470 | 235.5 | -0.2 | 6.18 | 1.431 | 98.3 | 1.015 | -62.777 | 343.5 | 517.1 | 0.963 | NA | -4.50 | 0.287 | 170.7 | 71.3 | 26.8 | 0.315 |
| | | 10.03 | 6.99 | 17.02 | ONE | 30.461 | 280.1 | -28.4 | 25.5 | | | | | | | | | | |
| 44630.0 | 49070.0 | 0.426 | 227.3 | -9.3 | 2.41 | 1.431 | 93.3 | 1.016 | -61.305 | 353.4 | 516.9 | 0.981 | NA | -0.67 | 0.287 | 170.7 | 71.3 | 27.4 | 0.315 |
| | | 9.00 | 6.99 | 16.00 | ONE | 30.461 | 280.1 | -28.4 | 25.4 | | | | | | | | | | |
| 44640.0 | 49070.0 | 0.418 | 219.8 | -10.0 | 1.53 | 1.430 | 88.2 | 1.016 | -60.522 | 3.5 | 156.8 | 0.985D | NA | 0.27 | 0.288 | 170.7 | 71.4 | 27.6 | 0.316 |
| | | 8.83 | 7.00 | 15.83 | ONE | 30.461 | 280.1 | -28.4 | 25.3 | | | | | | | | | | |
| 44650.0 | 49070.0 | 0.437 | 212.9 | -9.3 | 1.14 | 1.429 | 83.1 | 1.016 | -60.366 | 13.7 | 156.9 | 0.973D | NA | 0.72 | 0.288 | 170.7 | 71.3 | 27.6 | 0.316 |
| | | 9.27 | 7.00 | 16.27 | ONE | 30.461 | 280.1 | -28.4 | 25.4 | | | | | | | | | | |
| 44660.0 | 49070.0 | 0.481 | 207.7 | -8.5 | 0.94 | 1.427 | 77.8 | 1.016 | -60.790 | 24.2 | 157.3 | 0.946D | NA | 0.99 | 0.288 | 170.8 | 71.2 | 27.6 | 0.316 |
| | | 10.28 | 7.01 | 17.29 | ONE | 30.461 | 280.1 | -28.4 | 25.5 | | | | | | | | | | |
| 44670.0 | 49070.0 | 0.543 | 204.8 | -8.1 | 0.82 | 1.425 | 72.5 | 1.015 | -61.759 | 34.7 | 157.8 | 0.903D | NA | 1.19 | 0.287 | 171.0 | 70.9 | 27.6 | 0.316 |
| | | 11.79 | 7.01 | 18.80 | ONE | 30.461 | 280.1 | -28.4 | 25.7 | | | | | | | | | | |
| 44680.0 | 49070.0 | 0.619 | 203.9 | -8.3 | 0.74 | 1.423 | 67.1 | 1.013 | -63.244 | 45.5 | 158.6 | 0.845D | NA | 1.34 | 0.287 | 171.3 | 70.6 | 27.6 | 0.317 |
| | | 13.69 | 7.01 | 20.71 | ONE | 30.461 | 280.1 | -28.4 | 25.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449270.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 49270.0 | 0.622 | 232.3 | -22.2 | -1.52 | 1.427 | 112.6 | 1.003 | ******* | 314.9 | 520.3 | 0.839 | NA | 3.02 | 0.264 | 170.6 | 69.7 | 27.7 | 0.296 |
| | | 13.75 | 6.69 | 20.44 | TWO | 30.108 | 281.4 | -28.3 | 27.9 | | | | | | | | | | |
| 44600.0 | 49270.0 | 0.556 | 232.7 | -25.3 | -2.47 | 1.428 | 107.9 | 1.004 | ******* | 324.4 | 519.6 | 0.891 | NA | 4.04 | 0.265 | 170.4 | 70.0 | 27.9 | 0.297 |
| | | 12.10 | 6.70 | 18.80 | TWO | 30.108 | 281.4 | -28.3 | 27.6 | | | | | | | | | | |
| 44610.0 | 49270.0 | 0.517 | 228.3 | -38.9 | -7.37 | 1.428 | 103.1 | 1.004 | ******* | 334.0 | 519.0 | 0.933 | NA | 8.99 | 0.267 | 170.2 | 70.1 | 28.7 | 0.298 |
| | | 11.15 | 6.71 | 17.86 | TWO | 30.108 | 281.4 | -28.3 | 27.4 | | | | | | | | | | |
| 44620.0 | 49270.0 | 0.472 | 236.1 | 2.9 | 7.21 | 1.428 | 98.1 | 1.005 | ******* | 343.8 | 518.6 | 0.964 | NA | -5.53 | 0.268 | 170.1 | 70.8 | 26.6 | 0.298 |
| | | 10.06 | 6.71 | 16.77 | ONE | 30.108 | 281.4 | -28.3 | 27.2 | | | | | | | | | | |
| 44630.0 | 49270.0 | 0.421 | 226.9 | -8.9 | 2.46 | 1.427 | 93.2 | 1.006 | ******* | 353.7 | 518.4 | 0.982 | NA | -0.72 | 0.268 | 170.0 | 70.9 | 27.3 | 0.298 |
| | | 8.91 | 6.72 | 15.63 | ONE | 30.108 | 281.4 | -28.3 | 27.0 | | | | | | | | | | |
| 44640.0 | 49270.0 | 0.414 | 219.3 | -9.9 | 1.51 | 1.426 | 88.1 | 1.006 | ******* | 3.8 | 158.3 | 0.985D | NA | 0.28 | 0.269 | 170.0 | 70.9 | 27.5 | 0.298 |
| | | 8.75 | 6.72 | 15.47 | ONE | 30.108 | 281.4 | -28.3 | 26.9 | | | | | | | | | | |
| 44650.0 | 49270.0 | 0.434 | 212.4 | -9.2 | 1.12 | 1.425 | 83.0 | 1.006 | ******* | 14.0 | 158.4 | 0.973D | NA | 0.74 | 0.269 | 170.1 | 70.8 | 27.6 | 0.299 |
| | | 9.21 | 6.72 | 15.93 | ONE | 30.108 | 281.4 | -28.3 | 27.0 | | | | | | | | | | |
| 44660.0 | 49270.0 | 0.478 | 207.3 | -8.4 | 0.91 | 1.423 | 77.7 | 1.005 | ******* | 24.5 | 158.8 | 0.945D | NA | 1.01 | 0.268 | 170.2 | 70.7 | 27.6 | 0.299 |
| | | 10.22 | 6.73 | 16.95 | ONE | 30.108 | 281.4 | -28.3 | 27.1 | | | | | | | | | | |
| 44670.0 | 49270.0 | 0.541 | 204.5 | -8.1 | 0.79 | 1.422 | 72.4 | 1.005 | ******* | 35.0 | 159.3 | 0.902D | NA | 1.21 | 0.268 | 170.4 | 70.4 | 27.6 | 0.299 |
| | | 11.72 | 6.73 | 18.45 | ONE | 30.108 | 281.4 | -28.3 | 27.3 | | | | | | | | | | |
| 44680.0 | 49270.0 | 0.616 | 203.7 | -8.3 | 0.71 | 1.420 | 67.1 | 1.004 | ******* | 45.7 | 160.0 | 0.844D | NA | 1.36 | 0.267 | 170.7 | 70.1 | 27.5 | 0.299 |
| | | 13.62 | 6.73 | 20.35 | ONE | 30.108 | 281.4 | -28.3 | 27.6 | | | | | | | | | | |
| ARRIVAL DATE = 2449470.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 49470.0 | 0.617 | 232.3 | -22.0 | -1.38 | 1.424 | 112.5 | 0.995 | 180.328 | 315.0 | 521.6 | 0.840 | 359.816A | 2.89 | 0.247 | 170.0 | 69.1 | 27.6 | 0.281 |
| | | 13.64 | 6.45 | 20.09 | TWO | 29.904 | 282.8 | -28.2 | 29.6 | | | | | | | | | | |
| 44600.0 | 49470.0 | 0.551 | 232.7 | -24.6 | -2.18 | 1.424 | 107.7 | 0.996 | 206.485 | 324.5 | 520.9 | 0.892 | 412.078A | 3.75 | 0.248 | 169.7 | 69.5 | 27.8 | 0.281 |
| | | 11.98 | 6.46 | 18.43 | TWO | 29.904 | 282.8 | -28.2 | 29.3 | | | | | | | | | | |
| 44610.0 | 49470.0 | 0.504 | 229.2 | -34.5 | -5.66 | 1.425 | 102.9 | 0.996 | 234.374 | 334.1 | 520.4 | 0.934 | 467.815A | 7.29 | 0.249 | 169.5 | 69.6 | 28.5 | 0.282 |
| | | 10.83 | 6.47 | 17.29 | TWO | 29.904 | 282.8 | -28.2 | 29.1 | | | | | | | | | | |
| 44620.0 | 49470.0 | 0.480 | 237.3 | 7.5 | 8.85 | 1.425 | 98.0 | 0.996 | 261.298 | 344.0 | 520.0 | 0.965 | 521.632A | -7.16 | 0.250 | 169.4 | 70.3 | 26.2 | 0.282 |
| | | 10.25 | 6.47 | 16.72 | ONE | 29.904 | 282.8 | -28.2 | 28.9 | | | | | | | | | | |
| 44630.0 | 49470.0 | 0.418 | 226.6 | -8.6 | 2.52 | 1.424 | 93.0 | 0.997 | 283.231 | 353.9 | 519.8 | 0.982 | 565.481A | -0.78 | 0.251 | 169.3 | 70.3 | 27.2 | 0.282 |
| | | 8.83 | 6.47 | 15.31 | ONE | 29.904 | 282.8 | -28.2 | 28.7 | | | | | | | | | | |
| 44640.0 | 49470.0 | 0.411 | 218.9 | -9.8 | 1.50 | 1.423 | 88.0 | 0.997 | 295.896 | 4.0 | 159.7 | 0.985D | 590.807A | 0.30 | 0.251 | 169.3 | 70.3 | 27.4 | 0.282 |
| | | 8.68 | 6.48 | 15.16 | ONE | 29.904 | 282.8 | -28.2 | 28.6 | | | | | | | | | | |
| 44650.0 | 49470.0 | 0.432 | 212.0 | -9.2 | 1.09 | 1.422 | 82.9 | 0.997 | 296.636 | 14.3 | 159.8 | 0.973D | 592.300A | 0.76 | 0.251 | 169.4 | 70.3 | 27.5 | 0.283 |
| | | 9.14 | 6.48 | 15.62 | ONE | 29.904 | 282.8 | -28.2 | 28.7 | | | | | | | | | | |
| 44660.0 | 49470.0 | 0.476 | 207.0 | -8.4 | 0.88 | 1.420 | 77.7 | 0.997 | 285.911 | 24.6 | 160.1 | 0.945D | 570.876A | 1.04 | 0.251 | 169.5 | 70.1 | 27.5 | 0.283 |
| | | 10.16 | 6.48 | 16.64 | ONE | 29.904 | 282.8 | -28.2 | 28.8 | | | | | | | | | | |
| 44670.0 | 49470.0 | 0.538 | 204.2 | -8.1 | 0.76 | 1.418 | 72.4 | 0.997 | 266.901 | 35.2 | 160.6 | 0.902D | 532.900A | 1.22 | 0.250 | 169.8 | 69.9 | 27.5 | 0.283 |
| | | 11.66 | 6.48 | 18.14 | ONE | 29.904 | 282.8 | -28.2 | 29.0 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44680.0 | 49470.0 | 0.613 | 203.5 | -8.3 | 0.68 | 1.416 | 67.1 | 0.997 | 243.830 | 45.8 | 161.3 | 0.844D | 486.815A | 1.37 | 0.249 | 170.1 | 69.5 | 27.5 | 0.283 |
| | | 13.54 | 6.49 | 20.03 | ONE | 29.904 | 282.8 | -28.2 | 29.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449670.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 49670.0 | 0.614 | 232.3 | -21.7 | -1.25 | 1.421 | 112.4 | 0.989 | 75.425 | 315.0 | 522.8 | 0.841 | 150.009A | 2.78 | 0.230 | 169.3 | 68.5 | 27.5 | 0.267 |
| | | 13.55 | 6.24 | 19.79 | TWO | 30.632 | 284.1 | -28.1 | 31.4 | | | | | | | | | | |
| 44600.0 | 49670.0 | 0.547 | 232.9 | -24.0 | -1.92 | 1.422 | 107.6 | 0.989 | 79.247 | 324.5 | 522.1 | 0.893 | 157.601A | 3.51 | 0.232 | 169.0 | 68.9 | 27.7 | 0.267 |
| | | 11.88 | 6.25 | 18.13 | TWO | 30.632 | 284.1 | -28.1 | 31.0 | | | | | | | | | | |
| 44610.0 | 49670.0 | 0.495 | 229.9 | -31.5 | -4.50 | 1.422 | 102.8 | 0.989 | 82.674 | 334.2 | 521.6 | 0.935 | 164.414A | 6.14 | 0.233 | 168.8 | 69.1 | 28.2 | 0.268 |
| | | 10.62 | 6.25 | 16.88 | TWO | 30.632 | 284.1 | -28.1 | 30.8 | | | | | | | | | | |
| 44620.0 | 49670.0 | 0.504 | 239.9 | 15.2 | 11.84 | 1.422 | 97.9 | 0.989 | 85.479 | 344.1 | 521.3 | 0.965 | 169.994A | -10.15 | 0.234 | 168.7 | 69.7 | 25.5 | 0.268 |
| | | 10.83 | 6.26 | 17.09 | ONE | 30.632 | 284.1 | -28.1 | 30.7 | | | | | | | | | | |
| 44630.0 | 49670.0 | 0.415 | 226.5 | -8.2 | 2.59 | 1.421 | 93.0 | 0.989 | 87.457 | 354.0 | 521.1 | 0.982 | 173.933A | -0.85 | 0.234 | 168.6 | 69.7 | 27.1 | 0.268 |
| | | 8.77 | 6.26 | 15.03 | ONE | 30.632 | 284.1 | -28.1 | 30.4 | | | | | | | | | | |
| 44640.0 | 49670.0 | 0.409 | 218.7 | -9.8 | 1.48 | 1.420 | 88.0 | 0.989 | 88.465 | 4.1 | 161.0 | 0.985D | 175.945A | 0.31 | 0.235 | 168.6 | 69.7 | 27.3 | 0.268 |
| | | 8.62 | 6.26 | 14.89 | ONE | 30.632 | 284.1 | -28.1 | 30.3 | | | | | | | | | | |
| 44650.0 | 49670.0 | 0.429 | 211.8 | -9.2 | 1.06 | 1.419 | 82.9 | 0.989 | 88.450 | 14.4 | 161.1 | 0.972D | 175.928A | 0.79 | 0.235 | 168.7 | 69.7 | 27.4 | 0.268 |
| | | 9.09 | 6.26 | 15.35 | ONE | 30.632 | 284.1 | -28.1 | 30.4 | | | | | | | | | | |
| 44660.0 | 49670.0 | 0.473 | 206.8 | -8.4 | 0.85 | 1.417 | 77.7 | 0.989 | 87.465 | 24.7 | 161.4 | 0.945D | 173.986A | 1.06 | 0.234 | 168.8 | 69.5 | 27.4 | 0.269 |
| | | 10.10 | 6.27 | 16.37 | ONE | 30.632 | 284.1 | -28.1 | 30.5 | | | | | | | | | | |
| 44670.0 | 49670.0 | 0.535 | 204.1 | -8.1 | 0.72 | 1.416 | 72.5 | 0.989 | 85.657 | 35.2 | 161.9 | 0.902D | 170.412A | 1.24 | 0.234 | 169.0 | 69.3 | 27.4 | 0.269 |
| | | 11.59 | 6.27 | 17.86 | ONE | 30.632 | 284.1 | -28.1 | 30.7 | | | | | | | | | | |
| 44680.0 | 49670.0 | 0.610 | 203.5 | -8.3 | 0.65 | 1.414 | 67.2 | 0.990 | 83.233 | 45.9 | 162.5 | 0.845D | 165.620A | 1.38 | 0.233 | 169.4 | 68.9 | 27.4 | 0.269 |
| | | 13.45 | 6.28 | 19.73 | ONE | 30.632 | 284.1 | -28.1 | 31.1 | | | | | | | | | | |
| ARRIVAL DATE = 2449870.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 49870.0 | 0.611 | 232.5 | -21.5 | -1.13 | 1.419 | 112.3 | 0.983 | 50.159 | 314.9 | 523.9 | 0.841 | 99.477A | 2.67 | 0.215 | 168.5 | 67.8 | 27.4 | 0.254 |
| | | 13.48 | 6.06 | 19.55 | TWO | 29.418 | 285.4 | -27.9 | 33.2 | | | | | | | | | | |
| 44600.0 | 49870.0 | 0.544 | 233.0 | -23.5 | -1.70 | 1.419 | 107.6 | 0.983 | 51.676 | 324.5 | 523.3 | 0.893 | 102.459A | 3.29 | 0.217 | 168.3 | 68.2 | 27.6 | 0.254 |
| | | 11.81 | 6.06 | 17.88 | TWO | 29.418 | 285.4 | -27.9 | 32.8 | | | | | | | | | | |
| 44610.0 | 49870.0 | 0.490 | 230.5 | -29.2 | -3.65 | 1.420 | 102.8 | 0.982 | 52.984 | 334.2 | 522.8 | 0.935 | 105.033A | 5.30 | 0.218 | 168.0 | 68.4 | 28.0 | 0.255 |
| | | 10.49 | 6.07 | 16.56 | TWO | 29.418 | 285.4 | -27.9 | 32.5 | | | | | | | | | | |
| 44620.0 | 49870.0 | 0.589 | 246.8 | 30.2 | 19.02 | 1.419 | 97.9 | 0.982 | 54.017 | 344.2 | 522.5 | 0.965 | 107.069A | -17.32 | 0.219 | 167.9 | 69.1 | 24.1 | 0.256 |
| | | 12.92 | 6.09 | 19.01 | ONE | 29.418 | 285.4 | -27.9 | 32.8 | | | | | | | | | | |
| 44630.0 | 49870.0 | 0.413 | 226.6 | -7.9 | 2.68 | 1.419 | 92.9 | 0.982 | 54.722 | 354.1 | 522.3 | 0.982 | 108.462A | -0.94 | 0.219 | 167.8 | 69.1 | 27.0 | 0.255 |
| | | 8.72 | 6.07 | 14.80 | ONE | 29.418 | 285.4 | -27.9 | 32.1 | | | | | | | | | | |
| 44640.0 | 49870.0 | 0.406 | 218.6 | -9.8 | 1.46 | 1.418 | 87.9 | 0.982 | 55.064 | 4.2 | 162.2 | 0.985D | 109.144A | 0.33 | 0.219 | 167.8 | 69.1 | 27.2 | 0.255 |
| | | 8.57 | 6.07 | 14.65 | ONE | 29.418 | 285.4 | -27.9 | 32.1 | | | | | | | | | | |
| 44650.0 | 49870.0 | 0.427 | 211.7 | -9.2 | 1.03 | 1.417 | 82.9 | 0.982 | 55.036 | 14.4 | 162.3 | 0.972D | 109.101A | 0.81 | 0.219 | 167.9 | 69.0 | 27.3 | 0.255 |
| | | 9.03 | 6.08 | 15.11 | ONE | 29.418 | 285.4 | -27.9 | 32.2 | | | | | | | | | | |
| 44660.0 | 49870.0 | 0.471 | 206.8 | -8.5 | 0.82 | 1.415 | 77.7 | 0.983 | 54.658 | 24.7 | 162.6 | 0.945D | 108.370A | 1.08 | 0.219 | 168.0 | 68.9 | 27.3 | 0.255 |
| | | 10.04 | 6.08 | 16.12 | ONE | 29.418 | 285.4 | -27.9 | 32.3 | | | | | | | | | | |
| 44670.0 | 49870.0 | 0.532 | 204.1 | -8.2 | 0.69 | 1.413 | 72.5 | 0.983 | 53.972 | 35.2 | 163.1 | 0.902D | 107.041A | 1.26 | 0.219 | 168.3 | 68.6 | 27.3 | 0.256 |
| | | 11.52 | 6.08 | 17.60 | ONE | 29.418 | 285.4 | -27.9 | 32.5 | | | | | | | | | | |
| 44680.0 | 49870.0 | 0.606 | 203.5 | -8.4 | 0.62 | 1.411 | 67.3 | 0.984 | 53.040 | 45.8 | 163.7 | 0.845D | 105.236A | 1.40 | 0.218 | 168.6 | 68.2 | 27.3 | 0.256 |
| | | 13.37 | 6.09 | 19.46 | ONE | 29.418 | 285.4 | -27.9 | 32.9 | | | | | | | | | | |
| ARRIVAL DATE = 2450070.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 50070.0 | 0.610 | 232.7 | -21.3 | -1.02 | 1.417 | 112.3 | 0.978 | 38.852 | 314.8 | 525.0 | 0.840 | 76.864A | 2.58 | 0.202 | 167.7 | 67.1 | 27.3 | 0.242 |
| | | 13.44 | 5.90 | 19.35 | TWO | 31.007 | 286.8 | -27.8 | 35.0 | | | | | | | | | | |
| 44600.0 | 50070.0 | 0.542 | 233.3 | -23.0 | -1.50 | 1.417 | 107.6 | 0.978 | 39.683 | 324.4 | 524.4 | 0.893 | 78.473A | 3.10 | 0.203 | 167.5 | 67.5 | 27.5 | 0.243 |
| | | 11.76 | 5.90 | 17.67 | TWO | 31.007 | 286.8 | -27.8 | 34.7 | | | | | | | | | | |
| 44610.0 | 50070.0 | 0.486 | 231.0 | -27.5 | -3.01 | 1.417 | 102.8 | 0.977 | 40.386 | 334.1 | 523.9 | 0.935 | 79.837A | 4.66 | 0.204 | 167.2 | 67.8 | 27.8 | 0.243 |
| | | 10.40 | 5.91 | 16.31 | TWO | 31.007 | 286.8 | -27.8 | 34.4 | | | | | | | | | | |
| 44630.0 | 50070.0 | 0.411 | 226.8 | -7.5 | 2.79 | 1.417 | 93.0 | 0.976 | 41.299 | 354.0 | 523.4 | 0.982 | 81.615A | -1.04 | 0.205 | 167.0 | 68.4 | 26.9 | 0.243 |
| | | 8.69 | 5.91 | 14.59 | ONE | 31.007 | 286.8 | -27.8 | 34.0 | | | | | | | | | | |
| 44640.0 | 50070.0 | 0.404 | 218.7 | -9.8 | 1.45 | 1.416 | 88.0 | 0.976 | 41.471 | 4.1 | 163.4 | 0.985D | 81.956A | 0.35 | 0.206 | 167.0 | 68.4 | 27.1 | 0.243 |
| | | 8.52 | 5.91 | 14.43 | ONE | 31.007 | 286.8 | -27.8 | 33.9 | | | | | | | | | | |
| 44650.0 | 50070.0 | 0.424 | 211.8 | -9.4 | 1.00 | 1.415 | 82.9 | 0.977 | 41.446 | 14.3 | 163.5 | 0.972D | 81.920A | 0.84 | 0.205 | 167.1 | 68.3 | 27.2 | 0.243 |
| | | 8.98 | 5.91 | 14.89 | ONE | 31.007 | 286.8 | -27.8 | 34.0 | | | | | | | | | | |
| 44660.0 | 50070.0 | 0.468 | 206.8 | -8.6 | 0.78 | 1.413 | 77.8 | 0.977 | 41.236 | 24.7 | 163.7 | 0.945D | 81.527A | 1.11 | 0.205 | 167.2 | 68.2 | 27.2 | 0.243 |
| | | 9.98 | 5.92 | 15.89 | ONE | 31.007 | 286.8 | -27.8 | 34.1 | | | | | | | | | | |
| 44670.0 | 50070.0 | 0.529 | 204.2 | -8.3 | 0.66 | 1.411 | 72.6 | 0.978 | 40.860 | 35.1 | 164.2 | 0.903D | 80.817A | 1.28 | 0.205 | 167.5 | 67.9 | 27.2 | 0.244 |
| | | 11.44 | 5.92 | 17.36 | ONE | 31.007 | 286.8 | -27.8 | 34.4 | | | | | | | | | | |
| 44680.0 | 50070.0 | 0.603 | 203.6 | -8.5 | 0.59 | 1.409 | 67.4 | 0.979 | 40.349 | 45.7 | 164.7 | 0.847D | 79.850A | 1.41 | 0.204 | 167.8 | 67.5 | 27.2 | 0.244 |
| | | 13.27 | 5.93 | 19.20 | ONE | 31.007 | 286.8 | -27.8 | 34.7 | | | | | | | | | | |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2450270.0** | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 50270.0 | 0.609 | 232.9 | -21.1 | -0.91 | 1.415 | 112.4 | 0.974 | 32.475 | 314.6 | 526.0 | 0.839 | 64.111A | 2.49 | 0.189 | 166.9 | 66.3 | 27.2 | 0.232 |
| | | 13.42 | 5.76 | 19.19 | TWO | 29.146 | 288.1 | -27.6 | 36.9 | | | | | | | | | | |
| 44600.0 | 50270.0 | 0.541 | 233.6 | -22.6 | -1.32 | 1.415 | 107.6 | 0.973 | 33.009 | 324.2 | 525.4 | 0.892 | 65.126A | 2.94 | 0.190 | 166.6 | 66.7 | 27.4 | 0.232 |
| | | 11.74 | 5.76 | 17.50 | TWO | 29.146 | 288.1 | -27.6 | 36.5 | | | | | | | | | | |
| 44610.0 | 50270.0 | 0.484 | 231.6 | -26.1 | -2.50 | 1.416 | 102.8 | 0.972 | 33.456 | 334.0 | 525.0 | 0.934 | 65.979A | 4.16 | 0.191 | 166.4 | 67.0 | 27.7 | 0.232 |
| | | 10.34 | 5.76 | 16.11 | TWO | 29.146 | 288.1 | -27.6 | 36.2 | | | | | | | | | | |
| 44630.0 | 50270.0 | 0.410 | 227.1 | -7.1 | 2.92 | 1.415 | 93.0 | 0.971 | 34.029 | 353.9 | 524.5 | 0.982 | 67.076A | -1.17 | 0.192 | 166.1 | 67.7 | 26.7 | 0.232 |
| | | 8.66 | 5.76 | 14.42 | ONE | 29.146 | 288.1 | -27.6 | 35.8 | | | | | | | | | | |
| 44640.0 | 50270.0 | 0.402 | 218.9 | -10.0 | 1.42 | 1.414 | 88.0 | 0.971 | 34.133 | 4.0 | 164.4 | 0.985D | 67.282A | 0.37 | 0.193 | 166.1 | 67.7 | 27.0 | 0.232 |
| | | 8.48 | 5.77 | 14.25 | ONE | 29.146 | 288.1 | -27.6 | 35.8 | | | | | | | | | | |
| 44650.0 | 50270.0 | 0.422 | 211.9 | -9.5 | 0.96 | 1.413 | 83.0 | 0.971 | 34.114 | 14.2 | 164.5 | 0.973D | 67.254A | 0.87 | 0.192 | 166.2 | 67.6 | 27.1 | 0.232 |
| | | 8.93 | 5.77 | 14.70 | ONE | 29.146 | 288.1 | -27.6 | 35.8 | | | | | | | | | | |
| 44660.0 | 50270.0 | 0.465 | 207.0 | -8.8 | 0.74 | 1.411 | 77.9 | 0.972 | 33.975 | 24.5 | 164.8 | 0.946D | 67.005A | 1.14 | 0.192 | 166.4 | 67.4 | 27.1 | 0.233 |
| | | 9.91 | 5.77 | 15.68 | ONE | 29.146 | 288.1 | -27.6 | 36.0 | | | | | | | | | | |
| 44670.0 | 50270.0 | 0.526 | 204.3 | -8.4 | 0.62 | 1.409 | 72.8 | 0.973 | 33.731 | 35.0 | 165.2 | 0.904D | 66.558A | 1.31 | 0.192 | 166.6 | 67.1 | 27.1 | 0.233 |
| | | 11.36 | 5.78 | 17.14 | ONE | 29.146 | 288.1 | -27.6 | 36.2 | | | | | | | | | | |
| 44680.0 | 50270.0 | 0.599 | 203.7 | -8.6 | 0.55 | 1.407 | 67.6 | 0.975 | 33.398 | 45.5 | 165.7 | 0.848D | 65.948A | 1.43 | 0.191 | 167.0 | 66.8 | 27.1 | 0.233 |
| | | 13.18 | 5.78 | 18.96 | ONE | 29.146 | 288.1 | -27.6 | 36.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2450470.0** | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 50470.0 | 0.609 | 233.2 | -21.0 | -0.82 | 1.413 | 112.5 | 0.970 | 28.403 | 314.3 | 526.9 | 0.838 | 55.969A | 2.41 | 0.177 | 166.0 | 65.5 | 27.0 | 0.222 |
| | | 13.42 | 5.64 | 19.06 | TWO | 31.114 | 289.4 | -27.4 | 38.9 | | | | | | | | | | |
| 44600.0 | 50470.0 | 0.541 | 234.0 | -22.3 | -1.16 | 1.414 | 107.7 | 0.969 | 28.781 | 324.0 | 526.4 | 0.891 | 56.671A | 2.79 | 0.178 | 165.7 | 65.9 | 27.2 | 0.222 |
| | | 11.72 | 5.64 | 17.36 | TWO | 31.114 | 289.4 | -27.4 | 38.5 | | | | | | | | | | |
| 44610.0 | 50470.0 | 0.482 | 232.2 | -25.1 | -2.09 | 1.414 | 102.9 | 0.968 | 29.096 | 333.8 | 526.0 | 0.934 | 57.259A | 3.76 | 0.179 | 165.4 | 66.2 | 27.5 | 0.222 |
| | | 10.31 | 5.64 | 15.95 | TWO | 31.114 | 289.4 | -27.4 | 38.1 | | | | | | | | | | |
| 44620.0 | 50470.0 | 0.506 | 218.1 | -54.3 | -12.54 | 1.414 | 98.0 | 0.967 | 29.337 | 343.6 | 525.7 | 0.964 | 57.710A | 14.25 | 0.180 | 165.3 | 65.7 | 29.6 | 0.223 |
| | | 10.87 | 5.65 | 16.52 | TWO | 31.114 | 289.4 | -27.4 | 38.2 | | | | | | | | | | |
| 44630.0 | 50470.0 | 0.409 | 227.6 | -6.7 | 3.09 | 1.413 | 93.1 | 0.967 | 29.495 | 353.7 | 525.5 | 0.982 | 58.009A | -1.34 | 0.180 | 165.2 | 66.9 | 26.5 | 0.222 |
| | | 8.64 | 5.64 | 14.28 | ONE | 31.114 | 289.4 | -27.4 | 37.7 | | | | | | | | | | |
| 44640.0 | 50470.0 | 0.400 | 219.2 | -10.1 | 1.40 | 1.412 | 88.1 | 0.967 | 29.567 | 3.8 | 165.5 | 0.985D | 58.148A | 0.39 | 0.180 | 165.2 | 66.9 | 26.9 | 0.222 |
| | | 8.44 | 5.64 | 14.08 | ONE | 31.114 | 289.4 | -27.4 | 37.7 | | | | | | | | | | |
| 44650.0 | 50470.0 | 0.420 | 212.2 | -9.7 | 0.92 | 1.411 | 83.1 | 0.967 | 29.550 | 14.0 | 165.5 | 0.973D | 58.128A | 0.91 | 0.180 | 165.3 | 66.8 | 27.0 | 0.222 |
| | | 8.87 | 5.64 | 14.52 | ONE | 31.114 | 289.4 | -27.4 | 37.7 | | | | | | | | | | |
| 44660.0 | 50470.0 | 0.462 | 207.2 | -9.0 | 0.71 | 1.409 | 78.0 | 0.968 | 29.451 | 24.3 | 165.8 | 0.947D | 57.955A | 1.17 | 0.180 | 165.4 | 66.6 | 27.0 | 0.223 |
| | | 9.85 | 5.64 | 15.49 | ONE | 31.114 | 289.4 | -27.4 | 37.6 | | | | | | | | | | |
| 44670.0 | 50470.0 | 0.523 | 204.5 | -8.6 | 0.59 | 1.408 | 72.9 | 0.969 | 29.275 | 34.7 | 166.1 | 0.905D | 57.645A | 1.33 | 0.179 | 165.7 | 66.4 | 27.0 | 0.223 |
| | | 11.28 | 5.65 | 16.93 | ONE | 31.114 | 289.4 | -27.4 | 38.1 | | | | | | | | | | |
| 44680.0 | 50470.0 | 0.595 | 203.9 | -8.8 | 0.52 | 1.406 | 67.8 | 0.971 | 29.036 | 45.2 | 166.6 | 0.850D | 57.223A | 1.45 | 0.179 | 166.1 | 66.0 | 26.9 | 0.223 |
| | | 13.08 | 5.66 | 18.73 | ONE | 31.114 | 289.4 | -27.4 | 38.5 | | | | | | | | | | |
| **ARRIVAL DATE = 2450670.0** | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 50670.0 | 0.609 | 233.6 | -20.8 | -0.73 | 1.412 | 112.6 | 0.967 | 25.595 | 314.0 | 527.8 | 0.837 | 50.353A | 2.33 | 0.165 | 165.1 | 64.6 | 26.9 | 0.213 |
| | | 13.44 | 5.53 | 18.97 | TWO | 29.166 | 290.8 | -27.2 | 40.9 | | | | | | | | | | |
| 44600.0 | 50670.0 | 0.541 | 234.4 | -22.0 | -1.01 | 1.412 | 107.8 | 0.966 | 25.880 | 323.7 | 527.3 | 0.890 | 50.871A | 2.66 | 0.167 | 164.7 | 65.1 | 27.1 | 0.213 |
| | | 11.73 | 5.53 | 17.26 | TWO | 29.166 | 290.8 | -27.2 | 40.4 | | | | | | | | | | |
| 44610.0 | 50670.0 | 0.482 | 232.8 | -24.2 | -1.75 | 1.413 | 103.0 | 0.964 | 26.117 | 333.5 | 526.9 | 0.933 | 51.302A | 3.43 | 0.168 | 164.5 | 65.4 | 27.3 | 0.213 |
| | | 10.30 | 5.53 | 15.82 | TWO | 29.166 | 290.8 | -27.2 | 40.1 | | | | | | | | | | |
| 44620.0 | 50670.0 | 0.458 | 224.1 | -40.6 | -7.28 | 1.413 | 98.1 | 0.963 | 26.298 | 343.4 | 526.6 | 0.964 | 51.632A | 8.99 | 0.168 | 164.3 | 65.3 | 28.5 | 0.213 |
| | | 9.75 | 5.53 | 15.28 | TWO | 29.166 | 290.8 | -27.2 | 40.0 | | | | | | | | | | |
| 44630.0 | 50670.0 | 0.409 | 228.2 | -6.0 | 3.32 | 1.412 | 93.2 | 0.963 | 26.416 | 353.5 | 526.5 | 0.981 | 51.851A | -1.56 | 0.169 | 164.2 | 66.1 | 26.3 | 0.213 |
| | | 8.64 | 5.53 | 14.17 | ONE | 29.166 | 290.8 | -27.2 | 39.7 | | | | | | | | | | |
| 44640.0 | 50670.0 | 0.399 | 219.5 | -10.3 | 1.37 | 1.411 | 88.2 | 0.963 | 26.468 | 3.6 | 166.4 | 0.985D | 51.952A | 0.42 | 0.169 | 164.2 | 66.1 | 26.8 | 0.213 |
| | | 8.41 | 5.53 | 13.93 | ONE | 29.166 | 290.8 | -27.2 | 39.6 | | | | | | | | | | |
| 44650.0 | 50670.0 | 0.418 | 212.5 | -10.0 | 0.88 | 1.410 | 83.2 | 0.963 | 26.455 | 13.8 | 166.5 | 0.974D | 51.936A | 0.94 | 0.169 | 164.3 | 66.0 | 26.9 | 0.213 |
| | | 8.82 | 5.53 | 14.35 | ONE | 29.166 | 290.8 | -27.2 | 39.6 | | | | | | | | | | |
| 44660.0 | 50670.0 | 0.460 | 207.5 | -9.2 | 0.67 | 1.408 | 78.2 | 0.964 | 26.379 | 24.1 | 166.7 | 0.948D | 51.810A | 1.20 | 0.169 | 164.4 | 65.8 | 26.9 | 0.214 |
| | | 9.78 | 5.53 | 15.31 | ONE | 29.166 | 290.8 | -27.2 | 39.8 | | | | | | | | | | |
| 44670.0 | 50670.0 | 0.519 | 204.8 | -8.8 | 0.55 | 1.406 | 73.1 | 0.965 | 26.245 | 34.4 | 167.0 | 0.907D | 51.583A | 1.35 | 0.168 | 164.7 | 65.5 | 26.9 | 0.214 |
| | | 11.19 | 5.54 | 16.73 | ONE | 29.166 | 290.8 | -27.2 | 40.1 | | | | | | | | | | |
| 44680.0 | 50670.0 | 0.591 | 204.2 | -8.9 | 0.48 | 1.404 | 68.0 | 0.967 | 26.062 | 44.9 | 167.5 | 0.852D | 51.272A | 1.47 | 0.167 | 165.1 | 65.1 | 26.8 | 0.214 |
| | | 12.97 | 5.54 | 18.52 | ONE | 29.166 | 290.8 | -27.2 | 40.4 | | | | | | | | | | |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2450870.0 | | | | | | | | | | | |
| 44590.0 | 50870.0 | 0.610 | 233.9 | -20.7 | -0.64 | 1.411 | 112.7 | 0.965 | 23.553 | 313.7 | 528.6 | 0.835 | 46.271A | 2.26 | 0.155 | 164.1 | 63.7 | 26.7 | 0.205 |
| | | 13.47 | 5.43 | 18.90 | TWO | 30.920 | 292.1 | -27.0 | 42.9 | | | | | | | | | | |
| 44600.0 | 50870.0 | 0.542 | 234.8 | -21.8 | -0.88 | 1.411 | 107.9 | 0.963 | 23.779 | 323.4 | 528.1 | 0.888 | 46.669A | 2.54 | 0.156 | 163.7 | 64.2 | 26.9 | 0.205 |
| | | 11.75 | 5.43 | 17.18 | TWO | 30.920 | 292.1 | -27.0 | 42.4 | | | | | | | | | | |
| 44610.0 | 50870.0 | 0.482 | 233.4 | -23.5 | -1.47 | 1.411 | 103.1 | 0.961 | 23.966 | 333.2 | 527.8 | 0.932 | 47.000A | 3.16 | 0.157 | 163.4 | 64.5 | 27.1 | 0.205 |
| | | 10.30 | 5.43 | 15.73 | TWO | 30.920 | 292.1 | -27.0 | 42.1 | | | | | | | | | | |
| 44620.0 | 50870.0 | 0.444 | 226.9 | -33.6 | -4.84 | 1.411 | 98.3 | 0.960 | 24.108 | 343.1 | 527.5 | 0.963 | 47.253A | 6.56 | 0.158 | 163.2 | 64.6 | 27.9 | 0.205 |
| | | 9.43 | 5.43 | 14.86 | TWO | 30.920 | 292.1 | -27.0 | 41.9 | | | | | | | | | | |
| 44630.0 | 50870.0 | 0.410 | 229.0 | -5.1 | 3.64 | 1.411 | 93.3 | 0.959 | 24.201 | 353.2 | 527.4 | 0.981 | 47.420A | -1.88 | 0.158 | 163.1 | 65.3 | 26.1 | 0.205 |
| | | 8.65 | 5.43 | 14.08 | ONE | 30.920 | 292.1 | -27.0 | 41.6 | | | | | | | | | | |
| 44640.0 | 50870.0 | 0.397 | 220.0 | -10.6 | 1.34 | 1.410 | 88.4 | 0.959 | 24.242 | 3.3 | 167.3 | 0.985D | 47.498A | 0.45 | 0.159 | 163.1 | 65.2 | 26.6 | 0.205 |
| | | 8.37 | 5.43 | 13.80 | ONE | 30.920 | 292.1 | -27.0 | 41.6 | | | | | | | | | | |
| 44650.0 | 50870.0 | 0.415 | 212.9 | -10.3 | 0.84 | 1.408 | 83.4 | 0.960 | 24.231 | 13.5 | 167.4 | 0.974D | 47.487A | 0.98 | 0.159 | 163.2 | 65.1 | 26.7 | 0.205 |
| | | 8.77 | 5.43 | 14.21 | ONE | 30.920 | 292.1 | -27.0 | 41.6 | | | | | | | | | | |
| 44660.0 | 50870.0 | 0.457 | 207.8 | -9.4 | 0.62 | 1.407 | 78.4 | 0.961 | 24.170 | 23.7 | 167.6 | 0.949D | 47.391A | 1.23 | 0.158 | 163.4 | 65.0 | 26.8 | 0.205 |
| | | 9.71 | 5.43 | 15.15 | ONE | 30.920 | 292.1 | -27.0 | 41.8 | | | | | | | | | | |
| 44670.0 | 50870.0 | 0.515 | 205.1 | -9.0 | 0.51 | 1.405 | 73.3 | 0.962 | 24.063 | 34.1 | 167.9 | 0.909D | 47.218A | 1.38 | 0.158 | 163.7 | 64.7 | 26.7 | 0.206 |
| | | 11.10 | 5.44 | 16.54 | ONE | 30.920 | 292.1 | -27.0 | 42.0 | | | | | | | | | | |
| 44680.0 | 50870.0 | 0.587 | 204.5 | -9.1 | 0.44 | 1.403 | 68.2 | 0.964 | 23.917 | 44.5 | 168.3 | 0.855D | 46.979A | 1.49 | 0.157 | 164.1 | 64.3 | 26.7 | 0.206 |
| | | 12.86 | 5.44 | 18.31 | ONE | 30.920 | 292.1 | -27.0 | 42.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2451070.0 | | | | | | | | | | | |
| 44590.0 | 51070.0 | 0.612 | 234.4 | -20.6 | -0.56 | 1.410 | 112.9 | 0.962 | 22.011 | 313.3 | 529.4 | 0.832 | 43.190A | 2.20 | 0.145 | 163.0 | 62.8 | 26.5 | 0.198 |
| | | 13.51 | 5.35 | 18.86 | TWO | 29.472 | 293.4 | -26.8 | 44.9 | | | | | | | | | | |
| 44600.0 | 51070.0 | 0.543 | 235.3 | -21.6 | -0.76 | 1.410 | 108.1 | 0.960 | 22.196 | 323.0 | 529.0 | 0.887 | 43.505A | 2.43 | 0.146 | 162.6 | 63.3 | 26.7 | 0.197 |
| | | 11.78 | 5.34 | 17.12 | TWO | 29.472 | 293.4 | -26.8 | 44.5 | | | | | | | | | | |
| 44610.0 | 51070.0 | 0.482 | 234.0 | -22.9 | -1.23 | 1.410 | 103.3 | 0.958 | 22.349 | 332.9 | 528.6 | 0.930 | 43.768A | 2.92 | 0.147 | 162.3 | 63.6 | 26.9 | 0.197 |
| | | 10.31 | 5.34 | 15.65 | TWO | 29.472 | 293.4 | -26.8 | 44.1 | | | | | | | | | | |
| 44620.0 | 51070.0 | 0.439 | 228.7 | -29.4 | -3.43 | 1.410 | 98.4 | 0.957 | 22.465 | 342.8 | 528.4 | 0.962 | 43.968A | 5.16 | 0.148 | 162.1 | 63.8 | 27.5 | 0.197 |
| | | 9.30 | 5.34 | 14.64 | TWO | 29.472 | 293.4 | -26.8 | 43.9 | | | | | | | | | | |
| 44630.0 | 51070.0 | 0.411 | 230.0 | -3.7 | 4.12 | 1.410 | 93.5 | 0.956 | 22.541 | 352.8 | 528.2 | 0.981 | 44.101A | -2.36 | 0.148 | 162.0 | 64.4 | 25.8 | 0.197 |
| | | 8.69 | 5.34 | 14.03 | ONE | 29.472 | 293.4 | -26.8 | 43.6 | | | | | | | | | | |
| 44640.0 | 51070.0 | 0.396 | 220.5 | -10.9 | 1.30 | 1.409 | 88.6 | 0.956 | 22.575 | 2.9 | 168.2 | 0.985D | 44.164A | 0.48 | 0.149 | 161.9 | 64.3 | 26.5 | 0.197 |
| | | 8.35 | 5.34 | 13.69 | ONE | 29.472 | 293.4 | -26.8 | 43.6 | | | | | | | | | | |
| 44650.0 | 51070.0 | 0.413 | 213.4 | -10.6 | 0.79 | 1.407 | 83.6 | 0.957 | 22.565 | 13.1 | 168.2 | 0.975D | 44.156A | 1.03 | 0.149 | 162.0 | 64.2 | 26.6 | 0.197 |
| | | 8.73 | 5.34 | 14.07 | ONE | 29.472 | 293.4 | -26.8 | 43.6 | | | | | | | | | | |
| 44660.0 | 51070.0 | 0.454 | 208.3 | -9.7 | 0.58 | 1.406 | 78.6 | 0.958 | 22.515 | 23.4 | 168.4 | 0.950D | 44.081A | 1.27 | 0.148 | 162.2 | 64.1 | 26.6 | 0.198 |
| | | 9.64 | 5.35 | 14.99 | ONE | 29.472 | 293.4 | -26.8 | 43.8 | | | | | | | | | | |
| 44670.0 | 51070.0 | 0.512 | 205.5 | -9.2 | 0.47 | 1.404 | 73.5 | 0.959 | 22.428 | 33.7 | 168.7 | 0.911D | 43.945A | 1.41 | 0.148 | 162.5 | 63.8 | 26.6 | 0.198 |
| | | 11.01 | 5.35 | 16.37 | ONE | 29.472 | 293.4 | -26.8 | 44.0 | | | | | | | | | | |
| 44680.0 | 51070.0 | 0.582 | 204.8 | -9.3 | 0.41 | 1.402 | 68.4 | 0.962 | 22.307 | 44.1 | 169.1 | 0.858D | 43.757A | 1.51 | 0.147 | 163.0 | 63.4 | 26.5 | 0.199 |
| | | 12.75 | 5.36 | 18.11 | ONE | 29.472 | 293.4 | -26.8 | 44.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2451270.0 | | | | | | | | | | | |
| 44590.0 | 51270.0 | 0.614 | 234.8 | -20.6 | -0.49 | 1.409 | 113.1 | 0.960 | 20.813 | 312.8 | 530.2 | 0.830 | 40.797A | 2.14 | 0.136 | 161.8 | 61.8 | 26.3 | 0.191 |
| | | 13.57 | 5.27 | 18.84 | TWO | 30.483 | 294.7 | -26.5 | 47.0 | | | | | | | | | | |
| 44600.0 | 51270.0 | 0.545 | 235.8 | -21.4 | -0.65 | 1.409 | 108.3 | 0.958 | 20.969 | 322.6 | 529.7 | 0.885 | 41.053A | 2.33 | 0.137 | 161.4 | 62.3 | 26.5 | 0.191 |
| | | 11.82 | 5.27 | 17.09 | TWO | 30.483 | 294.7 | -26.5 | 46.5 | | | | | | | | | | |
| 44610.0 | 51270.0 | 0.483 | 234.7 | -22.5 | -1.02 | 1.409 | 103.5 | 0.956 | 21.098 | 332.5 | 529.4 | 0.929 | 41.266A | 2.72 | 0.138 | 161.1 | 62.7 | 26.7 | 0.190 |
| | | 10.34 | 5.27 | 15.61 | TWO | 30.483 | 294.7 | -26.5 | 46.1 | | | | | | | | | | |
| 44620.0 | 51270.0 | 0.437 | 230.1 | -26.8 | -2.52 | 1.409 | 98.6 | 0.955 | 21.195 | 342.4 | 529.2 | 0.961 | 41.430A | 4.25 | 0.139 | 160.8 | 62.9 | 27.1 | 0.190 |
| | | 9.26 | 5.27 | 14.52 | TWO | 30.483 | 294.7 | -26.5 | 45.9 | | | | | | | | | | |
| 44630.0 | 51270.0 | 0.415 | 231.4 | -1.2 | 4.94 | 1.409 | 93.7 | 0.954 | 21.259 | 352.5 | 529.0 | 0.980 | 41.538A | -3.18 | 0.139 | 160.7 | 63.5 | 25.4 | 0.190 |
| | | 8.77 | 5.26 | 14.03 | ONE | 30.483 | 294.7 | -26.5 | 45.7 | | | | | | | | | | |
| 44640.0 | 51270.0 | 0.395 | 221.2 | -11.2 | 1.26 | 1.408 | 88.8 | 0.954 | 21.288 | 2.6 | 169.0 | 0.985D | 41.590A | 0.52 | 0.139 | 160.7 | 63.4 | 26.3 | 0.190 |
| | | 8.32 | 5.26 | 13.58 | ONE | 30.483 | 294.7 | -26.5 | 45.6 | | | | | | | | | | |
| 44650.0 | 51270.0 | 0.411 | 214.0 | -11.0 | 0.74 | 1.406 | 83.8 | 0.954 | 21.280 | 12.7 | 169.0 | 0.976D | 41.585A | 1.07 | 0.139 | 160.8 | 63.3 | 26.4 | 0.190 |
| | | 8.68 | 5.27 | 13.94 | ONE | 30.483 | 294.7 | -26.5 | 45.7 | | | | | | | | | | |
| 44660.0 | 51270.0 | 0.451 | 208.8 | -10.0 | 0.53 | 1.405 | 78.8 | 0.955 | 21.238 | 23.0 | 169.2 | 0.951D | 41.525A | 1.31 | 0.139 | 161.0 | 63.1 | 26.4 | 0.191 |
| | | 9.57 | 5.27 | 14.84 | ONE | 30.483 | 294.7 | -26.5 | 45.8 | | | | | | | | | | |
| 44670.0 | 51270.0 | 0.508 | 205.9 | -9.5 | 0.43 | 1.403 | 73.7 | 0.957 | 21.165 | 33.3 | 169.4 | 0.913D | 41.416A | 1.44 | 0.138 | 161.3 | 62.9 | 26.4 | 0.191 |
| | | 10.92 | 5.27 | 16.20 | ONE | 30.483 | 294.7 | -26.5 | 46.1 | | | | | | | | | | |
| 44680.0 | 51270.0 | 0.578 | 205.2 | -9.6 | 0.37 | 1.401 | 68.7 | 0.959 | 21.063 | 43.6 | 169.8 | 0.860D | 41.265A | 1.53 | 0.138 | 161.7 | 62.5 | 26.3 | 0.192 |
| | | 12.64 | 5.28 | 17.92 | ONE | 30.483 | 294.7 | -26.5 | 46.4 | | | | | | | | | | |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2451470.0 | | | | | | | | | | | |
| 44590.0 | 51470.0 | 0.617 | 235.3 | -20.5 | -0.42 | 1.408 | 113.3 | 0.958 | 19.863 | 312.4 | 530.9 | 0.827 | 38.898A | 2.08 | 0.127 | 160.5 | 60.8 | 26.1 | 0.185 |
| | | 13.64 | 5.21 | 18.84 | TWO | 29.970 | 296.0 | -26.3 | 49.1 | | | | | | | | | | |
| 44600.0 | 51470.0 | 0.547 | 236.4 | -21.2 | -0.55 | 1.408 | 108.5 | 0.956 | 19.996 | 322.2 | 530.5 | 0.882 | 39.110A | 2.24 | 0.128 | 160.1 | 61.3 | 26.3 | 0.185 |
| | | 11.88 | 5.20 | 17.08 | TWO | 29.970 | 296.0 | -26.3 | 48.6 | | | | | | | | | | |
| 44610.0 | 51470.0 | 0.485 | 235.4 | -22.1 | -0.84 | 1.409 | 103.7 | 0.954 | 20.107 | 332.0 | 530.1 | 0.927 | 39.287A | 2.55 | 0.129 | 159.8 | 61.7 | 26.5 | 0.184 |
| | | 10.38 | 5.20 | 15.57 | TWO | 29.970 | 296.0 | -26.3 | 48.2 | | | | | | | | | | |
| 44620.0 | 51470.0 | 0.436 | 231.4 | -24.9 | -1.88 | 1.408 | 98.8 | 0.952 | 20.191 | 342.0 | 529.9 | 0.960 | 39.422A | 3.62 | 0.130 | 159.5 | 62.0 | 26.8 | 0.184 |
| | | 9.25 | 5.20 | 14.44 | TWO | 29.970 | 296.0 | -26.3 | 48.0 | | | | | | | | | | |
| 44630.0 | 51470.0 | 0.425 | 233.6 | 3.8 | 6.62 | 1.408 | 93.9 | 0.952 | 20.246 | 352.0 | 529.8 | 0.980 | 39.513A | -4.86 | 0.131 | 159.4 | 62.7 | 24.8 | 0.184 |
| | | 8.99 | 5.20 | 14.19 | ONE | 29.970 | 296.0 | -26.3 | 47.8 | | | | | | | | | | |
| 44640.0 | 51470.0 | 0.394 | 221.8 | -11.6 | 1.21 | 1.407 | 89.0 | 0.951 | 20.271 | 2.1 | 169.7 | 0.986D | 39.556A | 0.57 | 0.131 | 159.4 | 62.5 | 26.1 | 0.184 |
| | | 8.30 | 5.20 | 13.49 | ONE | 29.970 | 296.0 | -26.3 | 47.7 | | | | | | | | | | |
| 44650.0 | 51470.0 | 0.409 | 214.6 | -11.4 | 0.68 | 1.406 | 84.0 | 0.952 | 20.265 | 12.3 | 169.8 | 0.977D | 39.553A | 1.13 | 0.131 | 159.5 | 62.4 | 26.3 | 0.184 |
| | | 8.63 | 5.20 | 13.83 | ONE | 29.970 | 296.0 | -26.3 | 47.7 | | | | | | | | | | |
| 44660.0 | 51470.0 | 0.447 | 209.3 | -10.4 | 0.48 | 1.404 | 79.0 | 0.953 | 20.229 | 22.5 | 169.9 | 0.953D | 39.505A | 1.35 | 0.130 | 159.7 | 62.2 | 26.3 | 0.184 |
| | | 9.50 | 5.20 | 14.70 | ONE | 29.970 | 296.0 | -26.3 | 47.9 | | | | | | | | | | |
| 44670.0 | 51470.0 | 0.504 | 206.4 | -9.8 | 0.38 | 1.402 | 74.0 | 0.955 | 20.166 | 32.8 | 170.2 | 0.915D | 39.417A | 1.47 | 0.130 | 160.0 | 61.9 | 26.2 | 0.185 |
| | | 10.83 | 5.21 | 16.03 | ONE | 29.970 | 296.0 | -26.3 | 48.1 | | | | | | | | | | |
| 44680.0 | 51470.0 | 0.573 | 205.6 | -9.8 | 0.33 | 1.400 | 68.9 | 0.957 | 20.078 | 43.1 | 170.5 | 0.864D | 39.293A | 1.56 | 0.129 | 160.4 | 61.5 | 26.2 | 0.186 |
| | | 12.52 | 5.21 | 17.73 | ONE | 29.970 | 296.0 | -26.3 | 48.5 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2451670.0 | | | | | | | | | | | |
| 44590.0 | 51670.0 | 0.620 | 235.8 | -20.5 | -0.35 | 1.407 | 113.5 | 0.957 | 19.095 | 311.8 | 531.5 | 0.824 | 37.365A | 2.03 | 0.119 | 159.2 | 59.8 | 25.9 | 0.180 |
| | | 13.72 | 5.15 | 18.87 | TWO | 29.931 | 297.3 | -26.0 | 51.2 | | | | | | | | | | |
| 44600.0 | 51670.0 | 0.550 | 237.0 | -21.1 | -0.45 | 1.408 | 108.7 | 0.954 | 19.212 | 321.7 | 531.2 | 0.880 | 37.544A | 2.15 | 0.120 | 158.7 | 60.3 | 26.1 | 0.179 |
| | | 11.94 | 5.14 | 17.09 | TWO | 29.931 | 297.3 | -26.0 | 50.7 | | | | | | | | | | |
| 44610.0 | 51670.0 | 0.487 | 236.2 | -21.8 | -0.68 | 1.408 | 103.9 | 0.952 | 19.309 | 331.5 | 530.9 | 0.925 | 37.692A | 2.40 | 0.121 | 158.4 | 60.7 | 26.2 | 0.179 |
| | | 10.42 | 5.14 | 15.56 | TWO | 29.931 | 297.3 | -26.0 | 50.3 | | | | | | | | | | |
| 44620.0 | 51670.0 | 0.437 | 232.5 | -23.6 | -1.41 | 1.408 | 99.0 | 0.951 | 19.382 | 341.5 | 530.6 | 0.959 | 37.806A | 3.15 | 0.122 | 158.1 | 61.0 | 26.5 | 0.178 |
| | | 9.26 | 5.14 | 14.40 | TWO | 29.931 | 297.3 | -26.0 | 50.0 | | | | | | | | | | |
| 44630.0 | 51670.0 | 0.474 | 239.2 | 18.6 | 12.02 | 1.407 | 94.1 | 0.950 | 19.431 | 351.6 | 530.5 | 0.979 | 37.883A | -10.26 | 0.122 | 158.0 | 61.9 | 23.2 | 0.179 |
| | | 10.11 | 5.14 | 15.25 | ONE | 29.931 | 297.3 | -26.0 | 50.0 | | | | | | | | | | |
| 44640.0 | 51670.0 | 0.393 | 222.6 | -12.0 | 1.15 | 1.406 | 89.2 | 0.949 | 19.453 | 1.7 | 170.4 | 0.986D | 37.920A | 0.63 | 0.123 | 157.9 | 61.5 | 26.0 | 0.178 |
| | | 8.28 | 5.14 | 13.41 | ONE | 29.931 | 297.3 | -26.0 | 49.8 | | | | | | | | | | |
| 44650.0 | 51670.0 | 0.407 | 215.3 | -11.8 | 0.61 | 1.405 | 84.2 | 0.950 | 19.448 | 11.8 | 170.5 | 0.977D | 37.919A | 1.19 | 0.123 | 158.0 | 61.4 | 26.1 | 0.178 |
| | | 8.58 | 5.14 | 13.72 | ONE | 29.931 | 297.3 | -26.0 | 49.8 | | | | | | | | | | |
| 44660.0 | 51670.0 | 0.444 | 209.9 | -10.8 | 0.43 | 1.403 | 79.3 | 0.951 | 19.417 | 22.0 | 170.6 | 0.955D | 37.880A | 1.39 | 0.122 | 158.2 | 61.2 | 26.1 | 0.179 |
| | | 9.43 | 5.14 | 14.57 | ONE | 29.931 | 297.3 | -26.0 | 49.9 | | | | | | | | | | |
| 44670.0 | 51670.0 | 0.500 | 206.9 | -10.1 | 0.34 | 1.401 | 74.3 | 0.953 | 19.362 | 32.3 | 170.8 | 0.917D | 37.807A | 1.51 | 0.122 | 158.6 | 61.0 | 26.1 | 0.179 |
| | | 10.73 | 5.15 | 15.88 | ONE | 29.931 | 297.3 | -26.0 | 50.2 | | | | | | | | | | |
| 44680.0 | 51670.0 | 0.568 | 206.1 | -10.1 | 0.29 | 1.399 | 69.2 | 0.955 | 19.286 | 42.6 | 171.2 | 0.867D | 37.705A | 1.58 | 0.121 | 159.0 | 60.6 | 26.0 | 0.180 |
| | | 12.40 | 5.15 | 17.56 | ONE | 29.931 | 297.3 | -26.0 | 50.5 | | | | | | | | | | |
| 44690.0 | 51670.0 | 0.645 | 206.9 | -10.6 | 0.25 | 1.397 | 64.2 | 0.958 | 19.192 | 52.9 | 171.5 | 0.804D | 37.579A | 1.64 | 0.120 | 159.6 | 60.1 | 25.9 | 0.181 |
| | | 14.36 | 5.16 | 19.52 | ONE | 29.931 | 297.3 | -26.0 | 51.0 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2451870.0 | | | | | | | | | | | |
| 44590.0 | 51870.0 | 0.624 | 236.3 | -20.4 | -0.29 | 1.407 | 113.8 | 0.956 | 18.466 | 311.3 | 532.2 | 0.821 | 36.112A | 1.98 | 0.111 | 157.7 | 58.8 | 25.7 | 0.175 |
| | | 13.81 | 5.10 | 18.90 | TWO | 30.505 | 298.6 | -25.8 | 53.4 | | | | | | | | | | |
| 44600.0 | 51870.0 | 0.553 | 237.6 | -21.0 | -0.37 | 1.407 | 108.9 | 0.953 | 18.570 | 321.1 | 531.8 | 0.877 | 36.263A | 2.08 | 0.112 | 157.2 | 59.3 | 25.8 | 0.174 |
| | | 12.02 | 5.09 | 17.11 | TWO | 30.505 | 298.6 | -25.8 | 52.9 | | | | | | | | | | |
| 44610.0 | 51870.0 | 0.489 | 236.9 | -21.5 | -0.53 | 1.407 | 104.1 | 0.951 | 18.656 | 331.0 | 531.5 | 0.923 | 36.389A | 2.26 | 0.113 | 156.8 | 59.7 | 26.0 | 0.174 |
| | | 10.48 | 5.09 | 15.57 | TWO | 30.505 | 298.6 | -25.8 | 52.5 | | | | | | | | | | |
| 44620.0 | 51870.0 | 0.438 | 233.6 | -22.6 | -1.04 | 1.407 | 99.2 | 0.949 | 18.722 | 341.0 | 531.3 | 0.958 | 36.487A | 2.79 | 0.114 | 156.6 | 60.0 | 26.2 | 0.173 |
| | | 9.29 | 5.08 | 14.37 | TWO | 30.505 | 298.6 | -25.8 | 52.3 | | | | | | | | | | |
| 44640.0 | 51870.0 | 0.392 | 223.4 | -12.6 | 1.07 | 1.405 | 89.4 | 0.948 | 18.786 | 1.1 | 171.1 | 0.986D | 36.586A | 0.71 | 0.115 | 156.4 | 60.5 | 25.8 | 0.173 |
| | | 8.26 | 5.08 | 13.34 | ONE | 30.505 | 298.6 | -25.8 | 51.9 | | | | | | | | | | |
| 44650.0 | 51870.0 | 0.405 | 216.0 | -12.3 | 0.54 | 1.404 | 84.5 | 0.948 | 18.782 | 11.3 | 171.2 | 0.978D | 36.586A | 1.25 | 0.115 | 156.5 | 60.4 | 25.9 | 0.173 |
| | | 8.54 | 5.08 | 13.62 | ONE | 30.505 | 298.6 | -25.8 | 51.9 | | | | | | | | | | |
| 44660.0 | 51870.0 | 0.441 | 210.6 | -11.2 | 0.37 | 1.403 | 79.5 | 0.949 | 18.755 | 21.5 | 171.3 | 0.956D | 36.554A | 1.44 | 0.115 | 156.7 | 60.3 | 25.9 | 0.174 |
| | | 9.36 | 5.09 | 14.44 | ONE | 30.505 | 298.6 | -25.8 | 52.0 | | | | | | | | | | |
| 44670.0 | 51870.0 | 0.496 | 207.5 | -10.5 | 0.29 | 1.401 | 74.5 | 0.951 | 18.707 | 31.7 | 171.5 | 0.920D | 36.494A | 1.54 | 0.114 | 157.0 | 60.0 | 25.9 | 0.174 |
| | | 10.63 | 5.09 | 15.72 | ONE | 30.505 | 298.6 | -25.8 | 52.3 | | | | | | | | | | |
| 44680.0 | 51870.0 | 0.563 | 206.6 | -10.4 | 0.24 | 1.399 | 69.5 | 0.953 | 18.639 | 42.0 | 171.8 | 0.870D | 36.408A | 1.61 | 0.113 | 157.5 | 59.6 | 25.8 | 0.175 |
| | | 12.28 | 5.10 | 17.38 | ONE | 30.505 | 298.6 | -25.8 | 52.6 | | | | | | | | | | |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44690.0 | 51870.0 | 0.640 | 207.4 | -10.8 | 0.22 | 1.397 | 64.5 | 0.956 | 18.555 | 52.3 | 172.1 | C.808D | 36.302A | 1.66 | 0.112 | 158.1 | 59.1 | 25.7 | 0.176 |
| | | 14.22 | 5.11 | 19.32 | ONE | 30.505 | 298.6 | -25.8 | 53.1 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2452070.0 | | | | | | | | | | | | |
| 44590.0 | 52070.0 | 0.628 | 236.8 | -20.4 | -0.22 | 1.406 | 114.0 | 0.954 | 17.947 | 310.7 | 532.8 | 0.817 | 35.076A | 1.93 | 0.104 | 156.1 | 57.8 | 25.4 | 0.170 |
| | | 13.90 | 5.05 | 18.96 | TWO | 29.425 | 299.9 | -25.5 | 55.5 | | | | | | | | | | |
| 44600.0 | 52070.0 | 0.556 | 238.2 | -20.9 | -0.28 | 1.407 | 109.2 | 0.952 | 18.040 | 320.6 | 532.5 | 0.874 | 35.206A | 2.01 | 0.105 | 155.6 | 58.3 | 25.6 | 0.169 |
| | | 12.10 | 5.05 | 17.15 | TWO | 29.425 | 299.9 | -25.5 | 55.0 | | | | | | | | | | |
| 44610.0 | 52070.0 | 0.492 | 237.7 | -21.3 | -0.41 | 1.407 | 104.4 | 0.949 | 18.117 | 330.5 | 532.2 | 0.921 | 35.314A | 2.14 | 0.106 | 155.2 | 58.7 | 25.8 | 0.169 |
| | | 10.54 | 5.04 | 15.58 | TWO | 29.425 | 299.9 | -25.5 | 54.6 | | | | | | | | | | |
| 44620.0 | 52070.0 | 0.440 | 234.6 | -21.9 | -0.75 | 1.406 | 99.5 | 0.947 | 18.177 | 340.5 | 532.0 | 0.956 | 35.398A | 2.50 | 0.107 | 154.9 | 59.0 | 25.9 | 0.169 |
| | | 9.32 | 5.04 | 14.36 | TWO | 29.425 | 299.9 | -25.5 | 54.3 | | | | | | | | | | |
| 44630.0 | 52070.0 | 0.425 | 223.5 | -39.2 | -6.40 | 1.406 | 94.6 | 0.946 | 18.216 | 350.5 | 531.8 | 0.978 | 35.455A | 8.17 | 0.108 | 154.8 | 58.7 | 27.5 | 0.169 |
| | | 9.00 | 5.04 | 14.04 | TWO | 29.425 | 299.9 | -25.5 | 54.2 | | | | | | | | | | |
| 44640.0 | 52070.0 | 0.391 | 224.2 | -13.2 | 0.98 | 1.405 | 89.7 | 0.946 | 18.235 | 0.6 | 171.8 | 0.986D | 35.484A | 0.80 | 0.108 | 154.7 | 59.5 | 25.6 | 0.168 |
| | | 8.25 | 5.04 | 13.28 | ONE | 29.425 | 299.9 | -25.5 | 54.0 | | | | | | | | | | |
| 44650.0 | 52070.0 | 0.403 | 216.8 | -12.9 | 0.46 | 1.404 | 84.8 | 0.946 | 18.232 | 10.8 | 171.8 | 0.979D | 35.485A | 1.33 | 0.108 | 154.8 | 59.4 | 25.7 | 0.169 |
| | | 8.50 | 5.04 | 13.53 | ONE | 29.425 | 299.9 | -25.5 | 54.0 | | | | | | | | | | |
| 44660.0 | 52070.0 | 0.438 | 211.3 | -11.6 | 0.31 | 1.402 | 79.8 | 0.947 | 18.209 | 20.9 | 171.9 | 0.958D | 35.459A | 1.50 | 0.107 | 155.0 | 59.3 | 25.7 | 0.169 |
| | | 9.28 | 5.04 | 14.32 | ONE | 29.425 | 299.9 | -25.5 | 54.1 | | | | | | | | | | |
| 44670.0 | 52070.0 | 0.492 | 208.1 | -10.8 | 0.24 | 1.400 | 74.8 | 0.949 | 18.166 | 31.2 | 172.1 | 0.923D | 35.409A | 1.58 | 0.107 | 155.4 | 59.0 | 25.7 | 0.169 |
| | | 10.53 | 5.04 | 15.58 | ONE | 29.425 | 299.9 | -25.5 | 54.4 | | | | | | | | | | |
| 44680.0 | 52070.0 | 0.558 | 207.1 | -10.7 | 0.20 | 1.398 | 69.8 | 0.952 | 18.105 | 41.4 | 172.4 | 0.874D | 35.337A | 1.64 | 0.106 | 155.8 | 58.6 | 25.6 | 0.170 |
| | | 12.16 | 5.05 | 17.21 | ONE | 29.425 | 299.9 | -25.5 | 54.7 | | | | | | | | | | |
| 44690.0 | 52070.0 | 0.634 | 207.8 | -11.1 | 0.17 | 1.396 | 64.8 | 0.955 | 18.030 | 51.7 | 172.7 | 0.813D | 35.248A | 1.68 | 0.105 | 156.5 | 58.2 | 25.5 | 0.171 |
| | | 14.07 | 5.06 | 19.13 | ONE | 29.425 | 299.9 | -25.5 | 55.1 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2452270.0 | | | | | | | | | | | | |
| 44590.0 | 52270.0 | 0.632 | 237.4 | -20.4 | -0.16 | 1.405 | 114.3 | 0.954 | 17.513 | 310.1 | 533.4 | 0.813 | 34.213A | 1.89 | 0.097 | 154.4 | 56.7 | 25.2 | 0.166 |
| | | 14.01 | 5.01 | 19.03 | TWO | 30.910 | 301.2 | -25.2 | 57.7 | | | | | | | | | | |
| 44600.0 | 52270.0 | 0.560 | 238.9 | -20.9 | -0.21 | 1.406 | 109.5 | 0.950 | 17.598 | 320.0 | 533.1 | 0.871 | 34.324A | 1.94 | 0.098 | 153.8 | 57.3 | 25.4 | 0.165 |
| | | 12.19 | 5.01 | 17.20 | TWO | 30.910 | 301.2 | -25.2 | 57.1 | | | | | | | | | | |
| 44610.0 | 52270.0 | 0.495 | 238.5 | -21.1 | -0.29 | 1.406 | 104.6 | 0.948 | 17.668 | 329.9 | 532.8 | 0.919 | 34.418A | 2.04 | 0.099 | 153.4 | 57.7 | 25.5 | 0.165 |
| | | 10.61 | 5.00 | 15.61 | TWO | 30.910 | 301.2 | -25.2 | 56.7 | | | | | | | | | | |
| 44620.0 | 52270.0 | 0.442 | 235.7 | -21.4 | -0.51 | 1.406 | 99.8 | 0.946 | 17.723 | 339.9 | 532.6 | 0.955 | 34.491A | 2.27 | 0.100 | 153.1 | 58.1 | 25.7 | 0.164 |
| | | 9.37 | 5.00 | 14.37 | TWO | 30.910 | 301.2 | -25.2 | 56.4 | | | | | | | | | | |
| 44630.0 | 52270.0 | 0.408 | 228.5 | -27.1 | -2.56 | 1.405 | 94.9 | 0.945 | 17.759 | 349.9 | 532.5 | 0.977 | 34.540A | 4.33 | 0.101 | 153.0 | 58.1 | 26.3 | 0.164 |
| | | 8.62 | 5.00 | 13.62 | TWO | 30.910 | 301.2 | -25.2 | 56.2 | | | | | | | | | | |
| 44640.0 | 52270.0 | 0.391 | 225.0 | -13.9 | 0.85 | 1.404 | 90.0 | 0.945 | 17.776 | 0.0 | 172.4 | 0.986D | 34.567A | 0.93 | 0.101 | 152.9 | 58.5 | 25.4 | 0.164 |
| | | 8.24 | 4.99 | 13.23 | ONE | 30.910 | 301.2 | -25.2 | 56.1 | | | | | | | | | | |
| 44650.0 | 52270.0 | 0.401 | 217.6 | -13.5 | 0.37 | 1.403 | 85.1 | 0.945 | 17.774 | 10.2 | 172.4 | 0.980D | 34.569A | 1.42 | 0.101 | 153.0 | 58.4 | 25.5 | 0.164 |
| | | 8.46 | 4.99 | 13.45 | ONE | 30.910 | 301.2 | -25.2 | 56.1 | | | | | | | | | | |
| 44660.0 | 52270.0 | 0.435 | 212.0 | -12.1 | 0.24 | 1.402 | 80.1 | 0.946 | 17.754 | 20.4 | 172.5 | 0.960D | 34.548A | 1.56 | 0.101 | 153.2 | 58.3 | 25.5 | 0.165 |
| | | 9.21 | 5.00 | 14.21 | ONE | 30.910 | 301.2 | -25.2 | 56.2 | | | | | | | | | | |
| 44670.0 | 52270.0 | 0.487 | 208.7 | -11.2 | 0.18 | 1.400 | 75.1 | 0.948 | 17.715 | 30.6 | 172.7 | 0.925D | 34.505A | 1.62 | 0.100 | 153.5 | 58.0 | 25.5 | 0.165 |
| | | 10.43 | 5.00 | 15.44 | ONE | 30.910 | 301.2 | -25.2 | 56.5 | | | | | | | | | | |
| 44680.0 | 52270.0 | 0.553 | 207.6 | -11.0 | 0.15 | 1.398 | 70.1 | 0.950 | 17.661 | 40.8 | 172.9 | 0.877D | 34.445A | 1.67 | 0.099 | 154.0 | 57.7 | 25.4 | 0.166 |
| | | 12.03 | 5.01 | 17.04 | ONE | 30.910 | 301.2 | -25.2 | 56.8 | | | | | | | | | | |
| 44690.0 | 52270.0 | 0.628 | 208.3 | -11.3 | 0.13 | 1.396 | 65.1 | 0.954 | 17.593 | 51.0 | 173.2 | 0.817D | 34.369A | 1.70 | 0.098 | 154.7 | 57.2 | 25.3 | 0.167 |
| | | 13.92 | 5.02 | 18.94 | ONE | 30.910 | 301.2 | -25.2 | 57.2 | | | | | | | | | | |
| | | | | | | | ARRIVAL DATE = 2452470.0 | | | | | | | | | | | | |
| 44590.0 | 52470.0 | 0.636 | 238.0 | -20.4 | -0.11 | 1.405 | 114.6 | 0.953 | 17.149 | 309.5 | 533.9 | 0.809 | 33.489A | 1.85 | 0.090 | 152.5 | 55.7 | 24.9 | 0.163 |
| | | 14.13 | 4.98 | 19.11 | TWO | 29.112 | 302.4 | -24.9 | 59.8 | | | | | | | | | | |
| 44600.0 | 52470.0 | 0.564 | 239.6 | -20.8 | -0.14 | 1.406 | 109.8 | 0.950 | 17.226 | 319.3 | 533.6 | 0.868 | 33.585A | 1.88 | 0.092 | 151.9 | 56.3 | 25.1 | 0.162 |
| | | 12.29 | 4.97 | 17.26 | TWO | 29.112 | 302.4 | -24.9 | 59.3 | | | | | | | | | | |
| 44610.0 | 52470.0 | 0.498 | 239.3 | -21.0 | -0.19 | 1.406 | 104.9 | 0.947 | 17.291 | 329.3 | 533.4 | 0.916 | 33.666A | 1.94 | 0.093 | 151.5 | 56.7 | 25.2 | 0.161 |
| | | 10.69 | 4.96 | 15.66 | TWO | 29.112 | 302.4 | -24.9 | 58.9 | | | | | | | | | | |
| 44620.0 | 52470.0 | 0.444 | 236.7 | -20.9 | -0.32 | 1.406 | 100.1 | 0.945 | 17.341 | 339.3 | 533.2 | 0.953 | 33.730A | 2.08 | 0.094 | 151.2 | 57.1 | 25.4 | 0.161 |
| | | 9.42 | 4.96 | 14.38 | TWO | 29.112 | 302.4 | -24.9 | 58.5 | | | | | | | | | | |
| 44630.0 | 52470.0 | 0.407 | 230.9 | -22.8 | -1.17 | 1.405 | 95.2 | 0.944 | 17.375 | 349.3 | 533.1 | 0.976 | 33.774A | 2.94 | 0.095 | 151.0 | 57.2 | 25.7 | 0.160 |
| | | 8.59 | 4.96 | 13.55 | TWO | 29.112 | 302.4 | -24.9 | 58.3 | | | | | | | | | | |
| 44640.0 | 52470.0 | 0.390 | 225.9 | -14.8 | 0.68 | 1.404 | 90.3 | 0.943 | 17.392 | 359.4 | 533.0 | 0.986 | 33.797A | 1.10 | 0.095 | 151.0 | 57.5 | 25.2 | 0.160 |
| | | 8.23 | 4.96 | 13.18 | ONE | 29.112 | 302.4 | -24.9 | 58.2 | | | | | | | | | | |
| 44650.0 | 52470.0 | 0.399 | 218.5 | -14.1 | 0.27 | 1.403 | 85.3 | 0.944 | 17.391 | 9.6 | 173.0 | 0.981D | 33.800A | 1.52 | 0.095 | 151.0 | 57.4 | 25.3 | 0.160 |
| | | 8.42 | 4.96 | 13.37 | ONE | 29.112 | 302.4 | -24.9 | 58.2 | | | | | | | | | | |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44660.0 | 52470.0 | 0.432 | 212.8 | -12.6 | 0.17 | 1.401 | 80.4 | 0.945 | 17.372 | 19.7 | 173.1 | 0.962D | 33.783A | 1.62 | 0.094 | 151.2 | 57.3 | 25.3 | 0.161 |
| | | 9.14 | 4.96 | 14.10 | ONE | 29.112 | 302.4 | -24.9 | 58.3 | | | | | | | | | | |
| 44670.0 | 52470.0 | 0.483 | 209.4 | -11.6 | 0.13 | 1.399 | 75.5 | 0.946 | 17.338 | 29.9 | 173.3 | 0.928D | 33.748A | 1.67 | 0.094 | 151.6 | 57.1 | 25.2 | 0.161 |
| | | 10.33 | 4.97 | 15.30 | ONE | 29.112 | 302.4 | -24.9 | 58.6 | | | | | | | | | | |
| 44680.0 | 52470.0 | 0.548 | 208.2 | -11.3 | 0.10 | 1.397 | 70.5 | 0.949 | 17.288 | 40.1 | 173.5 | 0.881D | 33.696A | 1.70 | 0.093 | 152.1 | 56.7 | 25.2 | 0.162 |
| | | 11.91 | 4.97 | 16.88 | ONE | 29.112 | 302.4 | -24.9 | 58.9 | | | | | | | | | | |
| 44690.0 | 52470.0 | 0.623 | 208.8 | -11.6 | 0.09 | 1.395 | 65.5 | 0.952 | 17.227 | 50.3 | 173.8 | 0.822D | 33.632A | 1.72 | 0.092 | 152.7 | 56.3 | 25.0 | 0.163 |
| | | 13.78 | 4.98 | 18.76 | ONE | 29.112 | 302.4 | -24.9 | 59.3 | | | | | | | | | | |
| ARRIVAL DATE = 2452670.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 52670.0 | 0.641 | 238.6 | -20.4 | -0.05 | 1.405 | 114.9 | 0.952 | 16.842 | 308.8 | 534.5 | 0.805 | 32.878A | 1.81 | 0.084 | 150.4 | 54.7 | 24.7 | 0.159 |
| | | 14.25 | 4.95 | 19.20 | TWO | 31.059 | 303.7 | -24.6 | 61.9 | | | | | | | | | | |
| 44600.0 | 52670.0 | 0.568 | 240.3 | -20.8 | -0.07 | 1.405 | 110.1 | 0.949 | 16.913 | 318.7 | 534.2 | 0.864 | 32.962A | 1.83 | 0.086 | 149.8 | 55.3 | 24.8 | 0.158 |
| | | 12.40 | 4.94 | 17.34 | TWO | 31.059 | 303.7 | -24.6 | 61.4 | | | | | | | | | | |
| 44610.0 | 52670.0 | 0.502 | 240.2 | -20.9 | -0.09 | 1.405 | 105.2 | 0.946 | 16.973 | 328.7 | 533.9 | 0.914 | 33.033A | 1.86 | 0.087 | 149.4 | 55.7 | 25.0 | 0.158 |
| | | 10.78 | 4.93 | 15.71 | TWO | 31.059 | 303.7 | -24.6 | 61.0 | | | | | | | | | | |
| 44620.0 | 52670.0 | 0.447 | 237.7 | -20.6 | -0.15 | 1.405 | 100.4 | 0.944 | 17.020 | 338.7 | 533.8 | 0.951 | 33.089A | 1.92 | 0.088 | 149.1 | 56.1 | 25.1 | 0.157 |
| | | 9.48 | 4.93 | 14.41 | TWO | 31.059 | 303.7 | -24.6 | 60.7 | | | | | | | | | | |
| 44630.0 | 52670.0 | 0.408 | 232.6 | -20.6 | -0.46 | 1.405 | 95.5 | 0.943 | 17.051 | 348.7 | 533.6 | 0.975 | 33.128A | 2.23 | 0.089 | 148.9 | 56.3 | 25.2 | 0.157 |
| | | 8.61 | 4.93 | 13.53 | TWO | 31.059 | 303.7 | -24.6 | 60.4 | | | | | | | | | | |
| 44640.0 | 52670.0 | 0.390 | 226.7 | -15.9 | 0.43 | 1.404 | 90.6 | 0.942 | 17.067 | 358.8 | 533.6 | 0.986 | 33.149A | 1.35 | 0.089 | 148.8 | 56.5 | 25.0 | 0.157 |
| | | 8.22 | 4.92 | 13.15 | ONE | 31.059 | 303.7 | -24.6 | 60.3 | | | | | | | | | | |
| 44650.0 | 52670.0 | 0.397 | 219.4 | -14.8 | 0.15 | 1.402 | 85.7 | 0.942 | 17.067 | 9.0 | 173.6 | 0.982D | 33.152A | 1.63 | 0.089 | 148.9 | 56.5 | 25.1 | 0.157 |
| | | 8.38 | 4.93 | 13.31 | ONE | 31.059 | 303.7 | -24.6 | 60.3 | | | | | | | | | | |
| 44660.0 | 52670.0 | 0.429 | 213.6 | -13.2 | 0.09 | 1.401 | 80.7 | 0.944 | 17.051 | 19.1 | 173.7 | 0.963D | 33.138A | 1.69 | 0.089 | 149.1 | 56.3 | 25.1 | 0.157 |
| | | 9.07 | 4.93 | 14.00 | ONE | 31.059 | 303.7 | -24.6 | 60.4 | | | | | | | | | | |
| 44670.0 | 52670.0 | 0.479 | 210.1 | -12.1 | 0.07 | 1.399 | 75.8 | 0.945 | 17.020 | 29.3 | 173.8 | 0.931D | 33.109A | 1.72 | 0.088 | 149.4 | 56.1 | 25.0 | 0.158 |
| | | 10.23 | 4.93 | 15.17 | ONE | 31.059 | 303.7 | -24.6 | 60.7 | | | | | | | | | | |
| 44680.0 | 52670.0 | 0.543 | 208.8 | -11.7 | 0.06 | 1.397 | 70.8 | 0.948 | 16.975 | 39.5 | 174.0 | 0.885D | 33.065A | 1.73 | 0.087 | 149.9 | 55.8 | 24.9 | 0.159 |
| | | 11.78 | 4.94 | 16.72 | ONE | 31.059 | 303.7 | -24.6 | 61.0 | | | | | | | | | | |
| 44690.0 | 52670.0 | 0.617 | 209.4 | -11.9 | 0.05 | 1.395 | 65.8 | 0.951 | 16.918 | 49.6 | 174.3 | 0.826D | 33.010A | 1.75 | 0.086 | 150.6 | 55.3 | 24.8 | 0.160 |
| | | 13.63 | 4.95 | 18.58 | ONE | 31.059 | 303.7 | -24.6 | 61.4 | | | | | | | | | | |
| ARRIVAL DATE = 2452870.0 | | | | | | | | | | | | | | | | | | | |
| 44590.0 | 52870.0 | 0.646 | 239.2 | -20.4 | -0.00 | 1.404 | 115.3 | 0.952 | 16.582 | 308.1 | 535.0 | 0.800 | 32.363A | 1.78 | 0.079 | 148.2 | 53.8 | 24.4 | 0.157 |
| | | 14.38 | 4.92 | 19.30 | TWO | 29.085 | 305.0 | -24.3 | 64.1 | | | | | | | | | | |
| 44600.0 | 52870.0 | 0.572 | 241.0 | -20.8 | -0.00 | 1.405 | 110.4 | 0.948 | 16.648 | 318.0 | 534.7 | 0.861 | 32.436A | 1.78 | 0.080 | 147.6 | 54.3 | 24.6 | 0.156 |
| | | 12.51 | 4.91 | 17.42 | TWO | 29.085 | 305.0 | -24.3 | 63.5 | | | | | | | | | | |
| 44610.0 | 52870.0 | 0.506 | 241.0 | -20.8 | -0.00 | 1.405 | 105.5 | 0.945 | 16.704 | 328.0 | 534.5 | 0.911 | 32.498A | 1.78 | 0.082 | 147.1 | 54.8 | 24.7 | 0.155 |
| | | 10.87 | 4.91 | 15.78 | TWO | 29.085 | 305.0 | -24.3 | 63.1 | | | | | | | | | | |
| 44620.0 | 52870.0 | 0.450 | 238.8 | -20.4 | -0.01 | 1.405 | 100.7 | 0.943 | 16.748 | 338.0 | 534.3 | 0.949 | 32.546A | 1.78 | 0.082 | 146.8 | 55.1 | 24.8 | 0.154 |
| | | 9.55 | 4.90 | 14.45 | TWO | 29.085 | 305.0 | -24.3 | 62.8 | | | | | | | | | | |
| 44630.0 | 52870.0 | 0.409 | 234.1 | -19.4 | -0.02 | 1.404 | 95.8 | 0.942 | 16.778 | 348.1 | 534.2 | 0.974 | 32.581A | 1.79 | 0.083 | 146.6 | 55.3 | 24.9 | 0.154 |
| | | 8.64 | 4.90 | 13.54 | TWO | 29.085 | 305.0 | -24.3 | 62.5 | | | | | | | | | | |
| 44640.0 | 52870.0 | 0.390 | 227.4 | -17.6 | 0.03 | 1.403 | 90.9 | 0.941 | 16.793 | 358.2 | 534.1 | 0.986 | 32.600A | 1.74 | 0.083 | 146.5 | 55.5 | 24.9 | 0.154 |
| | | 8.22 | 4.90 | 13.12 | ONE | 29.085 | 305.0 | -24.3 | 62.4 | | | | | | | | | | |
| 44650.0 | 52870.0 | 0.396 | 220.3 | -15.6 | 0.01 | 1.402 | 86.0 | 0.941 | 16.793 | 8.3 | 174.1 | 0.983D | 32.604A | 1.76 | 0.083 | 146.6 | 55.5 | 24.9 | 0.154 |
| | | 8.34 | 4.90 | 13.24 | ONE | 29.085 | 305.0 | -24.3 | 62.4 | | | | | | | | | | |
| 44660.0 | 52870.0 | 0.425 | 214.5 | -13.8 | 0.01 | 1.400 | 81.1 | 0.942 | 16.779 | 18.4 | 174.2 | 0.965D | 32.593A | 1.77 | 0.083 | 146.8 | 55.4 | 24.9 | 0.154 |
| | | 9.00 | 4.90 | 13.90 | ONE | 29.085 | 305.0 | -24.3 | 62.5 | | | | | | | | | | |
| 44670.0 | 52870.0 | 0.475 | 210.9 | -12.5 | 0.00 | 1.399 | 76.1 | 0.944 | 16.751 | 28.6 | 174.3 | 0.933D | 32.568A | 1.77 | 0.083 | 147.1 | 55.2 | 24.8 | 0.155 |
| | | 10.13 | 4.91 | 15.04 | ONE | 29.085 | 305.0 | -24.3 | 62.7 | | | | | | | | | | |
| 44680.0 | 52870.0 | 0.538 | 209.5 | -12.0 | 0.00 | 1.397 | 71.2 | 0.947 | 16.709 | 38.8 | 174.5 | 0.888D | 32.531A | 1.77 | 0.082 | 147.6 | 54.8 | 24.7 | 0.156 |
| | | 11.65 | 4.91 | 16.57 | ONE | 29.085 | 305.0 | -24.3 | 63.0 | | | | | | | | | | |
| 44690.0 | 52870.0 | 0.611 | 209.9 | -12.2 | 0.00 | 1.394 | 66.2 | 0.950 | 16.657 | 48.9 | 174.7 | 0.831D | 32.483A | 1.77 | 0.080 | 148.3 | 54.4 | 24.6 | 0.157 |
| | | 13.48 | 4.92 | 18.40 | ONE | 29.085 | 305.0 | -24.3 | 63.4 | | | | | | | | | | |
| ARRIVAL DATE = 2453070.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 53070.0 | 0.577 | 241.7 | -20.8 | 0.06 | 1.405 | 110.7 | 0.948 | 16.423 | 317.3 | 535.2 | 0.857 | 31.990A | 1.73 | 0.075 | 145.1 | 53.4 | 24.3 | 0.153 |
| | | 12.63 | 4.89 | 17.52 | TWO | 30.908 | 306.2 | -23.9 | 65.6 | | | | | | | | | | |
| 44610.0 | 53070.0 | 0.510 | 241.9 | -20.7 | 0.07 | 1.405 | 105.9 | 0.945 | 16.476 | 327.3 | 535.0 | 0.908 | 32.044A | 1.71 | 0.076 | 144.6 | 53.8 | 24.4 | 0.152 |
| | | 10.97 | 4.88 | 15.85 | TWO | 30.908 | 306.2 | -23.9 | 65.2 | | | | | | | | | | |
| 44620.0 | 53070.0 | 0.453 | 239.8 | -20.2 | 0.12 | 1.405 | 101.0 | 0.943 | 16.517 | 337.3 | 534.8 | 0.947 | 32.087A | 1.66 | 0.077 | 144.3 | 54.2 | 24.5 | 0.152 |
| | | 9.62 | 4.88 | 14.50 | TWO | 30.908 | 306.2 | -23.9 | 64.9 | | | | | | | | | | |
| 44630.0 | 53070.0 | 0.411 | 235.4 | -18.7 | 0.27 | 1.404 | 96.1 | 0.941 | 16.545 | 347.4 | 534.7 | 0.973 | 32.117A | 1.50 | 0.078 | 144.1 | 54.4 | 24.6 | 0.151 |
| | | 8.68 | 4.87 | 13.55 | TWO | 30.908 | 306.2 | -23.9 | 64.6 | | | | | | | | | | |

1981
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44640.0 | 53070.0 | 0.391<br>8.23 | 227.9<br>4.87 | -20.4<br>13.11 | -0.70<br>ONE | 1.403<br>30.908 | 91.2<br>306.2 | 0.940<br>-23.9 | 16.560<br>64.5 | 357.5 | 534.6 | 0.985 | 32.134A | 2.47 | 0.078 | 144.1 | 54.5 | 24.9 | 0.151 |
| 44650.0 | 53070.0 | 0.394<br>8.31 | 221.3<br>4.87 | -16.5<br>13.19 | -0.15<br>ONE | 1.402<br>30.908 | 86.3<br>306.2 | 0.941<br>-23.9 | 16.561<br>64.5 | 7.6 | 174.6 | 0.9830 | 32.138A | 1.92 | 0.078 | 144.1 | 54.5 | 24.7 | 0.151 |
| 44660.0 | 53070.0 | 0.422<br>8.93 | 215.4<br>4.88 | -14.4<br>13.81 | -0.09<br>ONE | 1.400<br>30.908 | 81.4<br>306.2 | 0.942<br>-23.9 | 16.548<br>64.6 | 17.8 | 174.7 | 0.9670 | 32.130A | 1.86 | 0.078 | 144.3 | 54.4 | 24.7 | 0.151 |
| 44670.0 | 53070.0 | 0.470<br>10.03 | 211.6<br>4.88 | -13.0<br>14.91 | -0.06<br>ONE | 1.398<br>30.908 | 76.5<br>306.2 | 0.943<br>-23.9 | 16.522<br>64.8 | 27.9 | 174.8 | 0.9360 | 32.109A | 1.83 | 0.077 | 144.6 | 54.2 | 24.6 | 0.152 |
| 44680.0 | 53070.0 | 0.533<br>11.53 | 210.1<br>4.89 | -12.4<br>16.41 | -0.05<br>ONE | 1.396<br>30.908 | 71.5<br>306.2 | 0.946<br>-23.9 | 16.485<br>65.1 | 38.0 | 175.0 | 0.8920 | 32.077A | 1.81 | 0.077 | 145.1 | 53.9 | 24.5 | 0.153 |
| 44690.0 | 53070.0 | 0.605<br>13.33 | 210.5<br>4.90 | -12.5<br>18.22 | -0.04<br>ONE | 1.394<br>30.908 | 66.6<br>306.2 | 0.949<br>-23.9 | 16.436<br>65.5 | 48.2 | 175.2 | 0.8360 | 32.037A | 1.80 | 0.075 | 145.7 | 53.5 | 24.4 | 0.154 |
| ARRIVAL DATE = 2453270.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 53270.0 | 0.582<br>12.76 | 242.4<br>4.87 | -20.8<br>17.63 | 0.11<br>TWO | 1.404<br>29.351 | 111.1<br>307.5 | 0.947<br>-23.6 | 16.232<br>67.7 | 316.6 | 535.7 | 0.853 | 31.612A | 1.68 | 0.070 | 142.4 | 52.4 | 24.0 | 0.151 |
| 44610.0 | 53270.0 | 0.514<br>11.08 | 242.7<br>4.86 | -20.7<br>15.94 | 0.15<br>TWO | 1.404<br>29.351 | 106.2<br>307.5 | 0.944<br>-23.6 | 16.282<br>67.3 | 326.6 | 535.5 | 0.904 | 31.659A | 1.64 | 0.072 | 141.9 | 52.9 | 24.2 | 0.150 |
| 44620.0 | 53270.0 | 0.456<br>9.70 | 240.9<br>4.86 | -20.1<br>14.56 | 0.22<br>TWO | 1.404<br>29.351 | 101.3<br>307.5 | 0.942<br>-23.6 | 16.320<br>67.0 | 336.6 | 535.3 | 0.945 | 31.696A | 1.56 | 0.073 | 141.6 | 53.2 | 24.3 | 0.149 |
| 44630.0 | 53270.0 | 0.413<br>8.73 | 236.7<br>4.85 | -18.3<br>13.58 | 0.49<br>TWO | 1.404<br>29.351 | 96.4<br>307.5 | 0.941<br>-23.6 | 16.348<br>66.7 | 346.7 | 535.2 | 0.972 | 31.723A | 1.29 | 0.073 | 141.4 | 53.5 | 24.3 | 0.149 |
| 44640.0 | 53270.0 | 0.394<br>8.31 | 227.3<br>4.85 | -26.9<br>13.16 | -2.49<br>ONE | 1.403<br>29.351 | 91.5<br>307.5 | 0.940<br>-23.6 | 16.362<br>66.6 | 356.8 | 535.1 | 0.985 | 31.739A | 4.26 | 0.074 | 141.3 | 53.3 | 25.2 | 0.149 |
| 44650.0 | 53270.0 | 0.393<br>8.29 | 222.3<br>4.85 | -17.6<br>13.14 | -0.35<br>ONE | 1.401<br>29.351 | 86.6<br>307.5 | 0.940<br>-23.6 | 16.364<br>66.6 | 6.9 | 175.1 | 0.9840 | 31.743A | 2.12 | 0.074 | 141.4 | 53.6 | 24.5 | 0.149 |
| 44660.0 | 53270.0 | 0.419<br>8.87 | 216.3<br>4.85 | -15.1<br>13.72 | -0.19<br>ONE | 1.400<br>29.351 | 81.7<br>307.5 | 0.941<br>-23.6 | 16.353<br>66.7 | 17.0 | 175.2 | 0.9690 | 31.736A | 1.95 | 0.073 | 141.6 | 53.5 | 24.5 | 0.149 |
| 44670.0 | 53270.0 | 0.466<br>9.93 | 212.5<br>4.86 | -13.5<br>14.79 | -0.14<br>ONE | 1.398<br>29.351 | 76.8<br>307.5 | 0.942<br>-23.6 | 16.329<br>66.8 | 27.2 | 175.3 | 0.9390 | 31.719A | 1.89 | 0.073 | 141.9 | 53.3 | 24.4 | 0.150 |
| 44680.0 | 53270.0 | 0.528<br>11.40 | 210.8<br>4.87 | -12.8<br>16.26 | -0.11<br>ONE | 1.396<br>29.351 | 71.9<br>307.5 | 0.945<br>-23.6 | 16.294<br>67.1 | 37.3 | 175.4 | 0.8960 | 31.692A | 1.85 | 0.072 | 142.3 | 53.0 | 24.3 | 0.150 |
| 44690.0 | 53270.0 | 0.599<br>13.17 | 211.1<br>4.87 | -12.8<br>18.05 | -0.09<br>ONE | 1.394<br>29.351 | 67.0<br>307.5 | 0.948<br>-23.6 | 16.249<br>67.5 | 47.4 | 175.6 | 0.8410 | 31.658A | 1.83 | 0.071 | 143.0 | 52.7 | 24.2 | 0.151 |
| ARRIVAL DATE = 2453470.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 53470.0 | 0.588<br>12.89 | 243.2<br>4.85 | -20.8<br>17.74 | 0.17<br>TWO | 1.404<br>30.501 | 111.4<br>308.7 | 0.947<br>-23.2 | 16.070<br>69.8 | 315.9 | 536.1 | 0.848 | 31.291A | 1.64 | 0.066 | 139.4 | 51.5 | 23.8 | 0.149 |
| 44610.0 | 53470.0 | 0.519<br>11.19 | 243.6<br>4.84 | -20.7<br>16.03 | 0.22<br>TWO | 1.404<br>30.501 | 106.6<br>308.7 | 0.944<br>-23.2 | 16.117<br>69.3 | 325.9 | 535.9 | 0.901 | 31.332A | 1.58 | 0.067 | 139.0 | 52.0 | 23.9 | 0.148 |
| 44620.0 | 53470.0 | 0.460<br>9.79 | 241.9<br>4.84 | -20.0<br>14.62 | 0.32<br>TWO | 1.404<br>30.501 | 101.7<br>308.7 | 0.942<br>-23.2 | 16.154<br>69.0 | 335.9 | 535.8 | 0.942 | 31.365A | 1.47 | 0.068 | 138.7 | 52.3 | 24.0 | 0.147 |
| 44630.0 | 53470.0 | 0.416<br>8.78 | 238.0<br>4.83 | -18.0<br>13.62 | 0.65<br>TWO | 1.403<br>30.501 | 96.8<br>308.7 | 0.940<br>-23.2 | 16.180<br>68.8 | 346.0 | 535.7 | 0.970 | 31.389A | 1.13 | 0.069 | 138.5 | 52.6 | 24.0 | 0.147 |
| 44640.0 | 53470.0 | 0.480<br>10.27 | 213.1<br>4.85 | -59.2<br>15.12 | -13.42<br>ONE | 1.402<br>30.501 | 91.9<br>308.7 | 0.939<br>-23.2 | 16.194<br>68.9 | 356.1 | 535.6 | 0.985 | 31.404A | 15.19 | 0.069 | 138.4 | 51.1 | 28.0 | 0.148 |
| 44650.0 | 53470.0 | 0.392<br>8.26 | 223.2<br>4.83 | -18.8<br>13.09 | -0.59<br>ONE | 1.401<br>30.501 | 87.0<br>308.7 | 0.939<br>-23.2 | 16.196<br>68.6 | 6.2 | 175.6 | 0.9850 | 31.408A | 2.35 | 0.069 | 138.5 | 52.7 | 24.4 | 0.147 |
| 44660.0 | 53470.0 | 0.417<br>8.80 | 217.3<br>4.83 | -15.8<br>13.64 | -0.31<br>ONE | 1.400<br>30.501 | 82.1<br>308.7 | 0.940<br>-23.2 | 16.186<br>68.7 | 16.3 | 175.7 | 0.9700 | 31.402A | 2.06 | 0.069 | 138.6 | 52.6 | 24.3 | 0.147 |
| 44670.0 | 53470.0 | 0.462<br>9.83 | 213.3<br>4.84 | -14.1<br>14.67 | -0.21<br>ONE | 1.398<br>30.501 | 77.2<br>308.7 | 0.942<br>-23.2 | 16.165<br>68.9 | 26.4 | 175.8 | 0.9420 | 31.388A | 1.95 | 0.068 | 138.9 | 52.5 | 24.2 | 0.147 |
| 44680.0 | 53470.0 | 0.522<br>11.27 | 211.6<br>4.85 | -13.2<br>16.12 | -0.17<br>ONE | 1.396<br>30.501 | 72.3<br>308.7 | 0.944<br>-23.2 | 16.133<br>69.1 | 36.6 | 175.9 | 0.9000 | 31.365A | 1.90 | 0.068 | 139.3 | 52.2 | 24.1 | 0.148 |
| 44690.0 | 53470.0 | 0.593<br>13.02 | 211.7<br>4.86 | -13.2<br>17.88 | -0.14<br>ONE | 1.394<br>30.501 | 67.3<br>308.7 | 0.947<br>-23.2 | 16.091<br>69.5 | 46.7 | 176.1 | 0.8450 | 31.336A | 1.86 | 0.066 | 139.9 | 51.8 | 23.9 | 0.149 |
| ARRIVAL DATE = 2453870.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 53870.0 | 0.599<br>13.18 | 244.6<br>4.83 | -20.8<br>18.00 | 0.27<br>TWO | 1.404<br>29.959 | 112.2<br>311.2 | 0.947<br>-22.5 | 15.816<br>73.8 | 314.3 | 537.0 | 0.839 | 30.794A | 1.57 | 0.058 | 132.7 | 49.9 | 23.3 | 0.146 |
| 44610.0 | 53870.0 | 0.529<br>11.43 | 245.4<br>4.82 | -20.6<br>16.24 | 0.34<br>TWO | 1.404<br>29.959 | 107.3<br>311.2 | 0.944<br>-22.5 | 15.859<br>73.3 | 324.3 | 536.8 | 0.894 | 30.824A | 1.48 | 0.059 | 132.3 | 50.3 | 23.4 | 0.145 |
| 44620.0 | 53870.0 | 0.468<br>9.97 | 244.1<br>4.81 | -19.9<br>14.78 | 0.48<br>TWO | 1.404<br>29.959 | 102.4<br>311.2 | 0.941<br>-22.5 | 15.893<br>73.0 | 334.4 | 536.7 | 0.937 | 30.849A | 1.32 | 0.060 | 132.0 | 50.7 | 23.5 | 0.144 |
| 44630.0 | 53870.0 | 0.421<br>8.90 | 240.5<br>4.80 | -17.7<br>13.71 | 0.87<br>TWO | 1.403<br>29.959 | 97.5<br>311.2 | 0.939<br>-22.5 | 15.917<br>72.8 | 344.5 | 536.6 | 0.967 | 30.868A | 0.91 | 0.061 | 131.9 | 51.0 | 23.4 | 0.143 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44640.0 | 53870.0 | 0.409 | 238.2 | -1.0 | 5.39 | 1.402 | 92.6 | 0.938 | 15.931 | 354.6 | 536.5 | 0.984 | 30.879A | -3.62 | 0.062 | 131.8 | 51.6 | 22.1 | 0.143 |
| | | 8.63 | 4.80 | 13.44 | TWO | 29.959 | 311.2 | -22.5 | 72.7 | | | | | | | | | | |
| 44650.0 | 53870.0 | 0.391 | 225.1 | -21.9 | -1.28 | 1.401 | 87.7 | 0.938 | 15.935 | 4.7 | 176.5 | 0.986D | 30.883A | 3.03 | 0.062 | 131.9 | 50.9 | 24.1 | 0.143 |
| | | 8.24 | 4.80 | 13.04 | ONE | 29.959 | 311.2 | -22.5 | 72.6 | | | | | | | | | | |
| 44660.0 | 53870.0 | 0.411 | 219.4 | -17.4 | -0.58 | 1.399 | 82.8 | 0.939 | 15.927 | 14.8 | 176.5 | 0.974D | 30.880A | 2.32 | 0.062 | 132.0 | 50.9 | 23.9 | 0.143 |
| | | 8.68 | 4.80 | 13.49 | ONE | 29.959 | 311.2 | -22.5 | 72.7 | | | | | | | | | | |
| 44670.0 | 53870.0 | 0.454 | 215.1 | -15.2 | -0.39 | 1.397 | 77.9 | 0.940 | 15.909 | 24.9 | 176.6 | 0.948D | 30.870A | 2.10 | 0.061 | 132.2 | 50.8 | 23.8 | 0.144 |
| | | 9.64 | 4.81 | 14.45 | ONE | 29.959 | 311.2 | -22.5 | 72.8 | | | | | | | | | | |
| 44680.0 | 53870.0 | 0.512 | 213.1 | -14.1 | -0.29 | 1.395 | 73.0 | 0.943 | 15.881 | 35.0 | 176.7 | 0.908D | 30.855A | 2.00 | 0.060 | 132.6 | 50.6 | 23.7 | 0.145 |
| | | 11.01 | 4.82 | 15.83 | ONE | 29.959 | 311.2 | -22.5 | 73.0 | | | | | | | | | | |
| 44690.0 | 53870.0 | 0.581 | 213.1 | -13.9 | -0.24 | 1.393 | 68.1 | 0.946 | 15.845 | 45.1 | 176.9 | 0.855D | 30.834A | 1.93 | 0.059 | 133.1 | 50.3 | 23.5 | 0.146 |
| | | 12.71 | 4.82 | 17.54 | ONE | 29.959 | 311.2 | -22.5 | 73.3 | | | | | | | | | | |
| ARRIVAL DATE = 2454270.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 54270.0 | 0.611 | 246.2 | -20.9 | 0.36 | 1.403 | 113.0 | 0.947 | 15.638 | 312.7 | 537.7 | 0.829 | 30.446A | 1.50 | 0.051 | 124.7 | 48.4 | 22.8 | 0.144 |
| | | 13.48 | 4.81 | 18.29 | TWO | 29.437 | 313.6 | -21.7 | 77.6 | | | | | | | | | | |
| 44610.0 | 54270.0 | 0.539 | 247.2 | -20.7 | 0.45 | 1.404 | 108.1 | 0.943 | 15.677 | 322.8 | 537.6 | 0.886 | 30.468A | 1.39 | 0.053 | 124.5 | 48.8 | 22.9 | 0.142 |
| | | 11.69 | 4.80 | 16.49 | TWO | 29.437 | 313.6 | -21.7 | 77.2 | | | | | | | | | | |
| 44620.0 | 54270.0 | 0.477 | 246.2 | -19.9 | 0.61 | 1.403 | 103.2 | 0.941 | 15.709 | 332.8 | 537.5 | 0.931 | 30.486A | 1.20 | 0.054 | 124.3 | 49.2 | 23.0 | 0.142 |
| | | 10.18 | 4.79 | 14.97 | TWO | 29.437 | 313.6 | -21.7 | 76.9 | | | | | | | | | | |
| 44630.0 | 54270.0 | 0.427 | 243.0 | -17.8 | 1.02 | 1.403 | 98.3 | 0.939 | 15.732 | 342.9 | 537.4 | 0.964 | 30.500A | 0.76 | 0.055 | 124.3 | 49.5 | 22.9 | 0.141 |
| | | 9.04 | 4.78 | 13.83 | TWO | 29.437 | 313.6 | -21.7 | 76.6 | | | | | | | | | | |
| 44640.0 | 54270.0 | 0.402 | 239.2 | -8.3 | 3.39 | 1.402 | 93.4 | 0.938 | 15.746 | 353.0 | 537.4 | 0.982 | 30.509A | -1.62 | 0.056 | 124.2 | 49.9 | 22.2 | 0.141 |
| | | 8.48 | 4.78 | 13.27 | TWO | 29.437 | 313.6 | -21.7 | 76.5 | | | | | | | | | | |
| 44650.0 | 54270.0 | 0.392 | 226.6 | -26.9 | -2.54 | 1.401 | 88.5 | 0.937 | 15.750 | 3.1 | 177.3 | 0.987D | 30.513A | 4.28 | 0.056 | 124.3 | 49.3 | 24.1 | 0.141 |
| | | 8.26 | 4.78 | 13.05 | ONE | 29.437 | 313.6 | -21.7 | 76.5 | | | | | | | | | | |
| 44660.0 | 54270.0 | 0.406 | 221.5 | -19.4 | -0.94 | 1.399 | 83.6 | 0.938 | 15.744 | 13.2 | 177.4 | 0.977D | 30.511A | 2.66 | 0.056 | 124.4 | 49.4 | 23.6 | 0.141 |
| | | 8.58 | 4.78 | 13.36 | ONE | 29.437 | 313.6 | -21.7 | 76.5 | | | | | | | | | | |
| 44670.0 | 54270.0 | 0.445 | 217.0 | -16.5 | -0.59 | 1.397 | 78.7 | 0.939 | 15.729 | 23.3 | 177.4 | 0.953D | 30.505A | 2.28 | 0.055 | 124.5 | 49.3 | 23.4 | 0.141 |
| | | 9.45 | 4.79 | 14.24 | ONE | 29.437 | 313.6 | -21.7 | 76.6 | | | | | | | | | | |
| 44680.0 | 54270.0 | 0.501 | 214.7 | -15.1 | -0.44 | 1.395 | 73.8 | 0.942 | 15.705 | 33.4 | 177.5 | 0.915D | 30.495A | 2.11 | 0.054 | 124.8 | 49.2 | 23.3 | 0.142 |
| | | 10.76 | 4.79 | 15.55 | ONE | 29.437 | 313.6 | -21.7 | 76.8 | | | | | | | | | | |
| 44690.0 | 54270.0 | 0.568 | 214.5 | -14.7 | -0.36 | 1.393 | 68.9 | 0.945 | 15.673 | 43.4 | 177.6 | 0.865D | 30.480A | 2.00 | 0.053 | 125.2 | 48.9 | 23.1 | 0.143 |
| | | 12.41 | 4.80 | 17.21 | ONE | 29.437 | 313.6 | -21.7 | 77.1 | | | | | | | | | | |
| 44700.0 | 54270.0 | 0.643 | 215.8 | -14.9 | -0.31 | 1.391 | 64.0 | 0.949 | 15.634 | 53.4 | 177.7 | 0.804D | 30.464A | 1.93 | 0.051 | 125.7 | 48.6 | 23.0 | 0.144 |
| | | 14.31 | 4.81 | 19.12 | ONE | 29.437 | 313.6 | -21.7 | 77.4 | | | | | | | | | | |
| ARRIVAL DATE = 2454670.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 54670.0 | 0.624 | 247.7 | -20.9 | 0.45 | 1.403 | 113.8 | 0.947 | 15.517 | 311.0 | 538.5 | 0.819 | 30.215A | 1.44 | 0.047 | 115.6 | 47.1 | 22.4 | 0.142 |
| | | 13.81 | 4.79 | 18.61 | TWO | 29.086 | 316.0 | -20.9 | 81.2 | | | | | | | | | | |
| 44610.0 | 54670.0 | 0.551 | 249.0 | -20.7 | 0.54 | 1.403 | 108.9 | 0.944 | 15.553 | 321.1 | 538.3 | 0.877 | 30.229A | 1.31 | 0.048 | 115.6 | 47.5 | 22.5 | 0.141 |
| | | 11.97 | 4.78 | 16.76 | TWO | 29.086 | 316.0 | -20.9 | 80.9 | | | | | | | | | | |
| 44620.0 | 54670.0 | 0.486 | 248.4 | -19.9 | 0.72 | 1.403 | 104.0 | 0.941 | 15.583 | 331.2 | 538.3 | 0.925 | 30.242A | 1.10 | 0.049 | 115.6 | 47.9 | 22.5 | 0.140 |
| | | 10.41 | 4.78 | 15.18 | TWO | 29.086 | 316.0 | -20.9 | 80.6 | | | | | | | | | | |
| 44630.0 | 54670.0 | 0.434 | 245.6 | -17.9 | 1.13 | 1.403 | 99.1 | 0.939 | 15.605 | 341.3 | 538.2 | 0.959 | 30.251A | 0.66 | 0.050 | 115.7 | 48.1 | 22.5 | 0.139 |
| | | 9.20 | 4.77 | 13.97 | TWO | 29.086 | 316.0 | -20.9 | 80.3 | | | | | | | | | | |
| 44640.0 | 54670.0 | 0.404 | 241.4 | -10.9 | 2.81 | 1.402 | 94.2 | 0.937 | 15.619 | 351.4 | 538.1 | 0.981 | 30.258A | -1.05 | 0.051 | 115.7 | 48.5 | 22.0 | 0.139 |
| | | 8.52 | 4.77 | 13.28 | TWO | 29.086 | 316.0 | -20.9 | 80.2 | | | | | | | | | | |
| 44650.0 | 54670.0 | 0.405 | 226.2 | -37.7 | -5.55 | 1.400 | 89.3 | 0.937 | 15.624 | 1.5 | 178.1 | 0.988D | 30.261A | 7.28 | 0.051 | 115.8 | 47.6 | 24.6 | 0.139 |
| | | 8.54 | 4.77 | 13.31 | ONE | 29.086 | 316.0 | -20.9 | 80.1 | | | | | | | | | | |
| 44660.0 | 54670.0 | 0.402 | 223.7 | -21.8 | -1.41 | 1.399 | 84.4 | 0.937 | 15.620 | 11.6 | 178.1 | 0.980D | 30.260A | 3.12 | 0.051 | 115.8 | 48.1 | 23.3 | 0.139 |
| | | 8.49 | 4.77 | 13.26 | ONE | 29.086 | 316.0 | -20.9 | 80.1 | | | | | | | | | | |
| 44670.0 | 54670.0 | 0.438 | 219.1 | -18.0 | -0.83 | 1.397 | 79.5 | 0.939 | 15.607 | 21.7 | 178.2 | 0.958D | 30.257A | 2.50 | 0.050 | 115.9 | 48.0 | 23.1 | 0.139 |
| | | 9.28 | 4.77 | 14.05 | ONE | 29.086 | 316.0 | -20.9 | 80.2 | | | | | | | | | | |
| 44680.0 | 54670.0 | 0.491 | 216.5 | -16.2 | -0.60 | 1.395 | 74.6 | 0.941 | 15.587 | 31.7 | 178.2 | 0.923D | 30.250A | 2.24 | 0.050 | 116.1 | 47.9 | 22.9 | 0.140 |
| | | 10.51 | 4.78 | 15.29 | ONE | 29.086 | 316.0 | -20.9 | 80.4 | | | | | | | | | | |
| 44690.0 | 54670.0 | 0.556 | 216.0 | -15.5 | -0.48 | 1.393 | 69.8 | 0.944 | 15.558 | 41.7 | 178.3 | 0.875D | 30.241A | 2.09 | 0.048 | 116.2 | 47.7 | 22.8 | 0.141 |
| | | 12.10 | 4.79 | 16.89 | ONE | 29.086 | 316.0 | -20.9 | 80.6 | | | | | | | | | | |
| 44700.0 | 54670.0 | 0.630 | 217.1 | -15.5 | -0.41 | 1.391 | 64.9 | 0.947 | 15.523 | 51.7 | 178.4 | 0.816D | 30.230A | 1.99 | 0.047 | 116.5 | 47.4 | 22.7 | 0.142 |
| | | 13.96 | 4.80 | 18.75 | ONE | 29.086 | 316.0 | -20.9 | 80.9 | | | | | | | | | | |
| ARRIVAL DATE = 2455070.0 | | | | | | | | | | | | | | | | | | | |
| 44600.0 | 55070.0 | 0.638 | 249.2 | -21.0 | 0.53 | 1.403 | 114.6 | 0.948 | 15.441 | 309.3 | 539.1 | 0.808 | 30.074A | 1.39 | 0.043 | 105.5 | 46.1 | 22.0 | 0.142 |
| | | 14.16 | 4.79 | 18.95 | TWO | 29.010 | 318.4 | -20.0 | 84.7 | | | | | | | | | | |
| 44610.0 | 55070.0 | 0.563 | 250.8 | -20.8 | 0.63 | 1.403 | 109.7 | 0.944 | 15.475 | 319.4 | 539.0 | 0.868 | 30.082A | 1.24 | 0.045 | 105.9 | 46.4 | 22.1 | 0.140 |
| | | 12.28 | 4.78 | 17.05 | TWO | 29.010 | 318.4 | -20.0 | 84.3 | | | | | | | | | | |

1981
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44620.0 | 55070.0 | 0.497 | 250.5 | -20.0 | 0.82 | 1.403 | 104.8 | 0.941 | 15.504 | 329.5 | 539.0 | 0.918 | 30.090A | 1.02 | 0.046 | 106.1 | 46.8 | 22.2 | 0.139 |
| | | 10.66 | 4.77 | 15.42 | TWO | 29.010 | 318.4 | -20.0 | 84.0 | | | | | | | | | | |
| 44630.0 | 55070.0 | 0.442 | 248.1 | -18.1 | 1.22 | 1.402 | 99.9 | 0.939 | 15.525 | 339.6 | 538.9 | 0.955 | 30.095A | 0.58 | 0.047 | 106.4 | 47.0 | 22.1 | 0.138 |
| | | 9.38 | 4.76 | 14.14 | TWO | 29.010 | 318.4 | -20.0 | 83.8 | | | | | | | | | | |
| 44640.0 | 55070.0 | 0.407 | 243.9 | -12.4 | 2.53 | 1.402 | 95.0 | 0.937 | 15.539 | 349.7 | 538.9 | 0.978 | 30.099A | -0.77 | 0.048 | 106.5 | 47.3 | 21.7 | 0.138 |
| | | 8.59 | 4.76 | 13.35 | TWO | 29.010 | 318.4 | -20.0 | 83.7 | | | | | | | | | | |
| 44650.0 | 55070.0 | 0.597 | 185.2 | -75.2 | -21.99 | 1.400 | 90.0 | 0.936 | 15.545 | 359.9 | 538.8 | 0.988 | 30.102A | 23.72 | 0.048 | 106.6 | 44.4 | 29.0 | 0.143 |
| | | 13.14 | 4.80 | 17.94 | ONE | 29.010 | 318.4 | -20.0 | 83.8 | | | | | | | | | | |
| 44660.0 | 55070.0 | 0.400 | 225.8 | -24.9 | -2.09 | 1.399 | 85.2 | 0.937 | 15.542 | 9.9 | 178.8 | 0.983D | 30.102A | 3.78 | 0.048 | 106.7 | 46.9 | 23.2 | 0.138 |
| | | 8.43 | 4.76 | 13.19 | ONE | 29.010 | 318.4 | -20.0 | 83.6 | | | | | | | | | | |
| 44670.0 | 55070.0 | 0.430 | 221.2 | -19.7 | -1.12 | 1.397 | 80.3 | 0.938 | 15.532 | 20.0 | 178.9 | 0.963D | 30.100A | 2.77 | 0.048 | 106.7 | 46.9 | 22.8 | 0.138 |
| | | 9.11 | 4.76 | 13.87 | ONE | 29.010 | 318.4 | -20.0 | 83.7 | | | | | | | | | | |
| 44680.0 | 55070.0 | 0.481 | 218.4 | -17.4 | -0.78 | 1.395 | 75.5 | 0.940 | 15.513 | 30.0 | 178.9 | 0.930D | 30.096A | 2.39 | 0.047 | 106.6 | 46.8 | 22.7 | 0.139 |
| | | 10.27 | 4.77 | 15.04 | ONE | 29.010 | 318.4 | -20.0 | 83.8 | | | | | | | | | | |
| 44690.0 | 55070.0 | 0.544 | 217.5 | -16.4 | -0.61 | 1.393 | 70.6 | 0.943 | 15.488 | 40.0 | 179.0 | 0.885D | 30.091A | 2.19 | 0.046 | 106.6 | 46.7 | 22.5 | 0.140 |
| | | 11.80 | 4.77 | 16.58 | ONE | 29.010 | 318.4 | -20.0 | 84.0 | | | | | | | | | | |
| 44700.0 | 55070.0 | 0.616 | 218.5 | -16.2 | -0.52 | 1.391 | 65.8 | 0.946 | 15.456 | 49.9 | 179.0 | 0.827D | 30.085A | 2.05 | 0.044 | 106.5 | 46.4 | 22.4 | 0.141 |
| | | 13.61 | 4.79 | 18.39 | ONE | 29.010 | 318.4 | -20.0 | 84.3 | | | | | | | | | | |

1982
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2446840.0 | | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447040.0 | | | | | | | | | | | |
| 45010.0 | 47040.0 | 0.619 | 246.8 | -17.9 | 1.47 | 1.612 | 96.4 | 1.559 | -1.747 | 349.6 | 486.0 | 0.977 | NA | 0.39 | 0.799 | 176.2 | 76.0 | 28.1 | 0.809 |
| | | 13.70 | 17.91 | 31.61 | ONE | 29.746 | 266.4 | -28.8 | 9.2 | | | | | | | | | | |
| 45020.0 | 47040.0 | 0.602 | 241.1 | -17.4 | 1.26 | 1.612 | 90.4 | 1.569 | -1.737 | 359.3 | 485.7 | 0.989 | NA | 0.71 | 0.801 | 176.2 | 76.0 | 28.1 | 0.811 |
| | | 13.25 | 17.96 | 31.21 | ONE | 29.746 | 266.4 | -28.8 | 9.1 | | | | | | | | | | |
| 45030.0 | 47040.0 | 0.613 | 234.7 | -16.5 | 1.13 | 1.611 | 84.2 | 1.568 | -1.730 | 9.4 | 125.8 | 0.9830 | NA | 0.96 | 0.803 | 176.2 | 76.0 | 28.1 | 0.813 |
| | | 13.53 | 18.00 | 31.53 | ONE | 29.746 | 266.4 | -28.8 | 9.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447240.0 | | | | | | | | | | | |
| 45000.0 | 47240.0 | 0.607 | 247.4 | -17.1 | 1.84 | 1.573 | 100.3 | 1.425 | -2.256 | 342.6 | 490.4 | 0.959 | NA | -0.08 | 0.714 | 175.9 | 75.9 | 28.1 | 0.725 |
| | | 13.37 | 15.80 | 29.17 | ONE | 30.383 | 267.7 | -28.8 | 10.4 | | | | | | | | | | |
| 45010.0 | 47240.0 | 0.572 | 242.8 | -17.0 | 1.46 | 1.573 | 94.6 | 1.438 | -2.241 | 352.2 | 489.8 | 0.981 | NA | 0.40 | 0.716 | 175.9 | 76.0 | 28.1 | 0.727 |
| | | 12.49 | 15.84 | 28.33 | ONE | 30.383 | 267.7 | -28.8 | 10.3 | | | | | | | | | | |
| 45020.0 | 47240.0 | 0.561 | 236.7 | -16.4 | 1.24 | 1.572 | 88.8 | 1.443 | -2.230 | 2.0 | 129.6 | 0.9880 | NA | 0.72 | 0.717 | 175.9 | 76.0 | 28.1 | 0.728 |
| | | 12.23 | 15.88 | 28.11 | ONE | 30.383 | 267.7 | -28.8 | 10.3 | | | | | | | | | | |
| 45030.0 | 47240.0 | 0.580 | 230.2 | -15.4 | 1.11 | 1.571 | 82.8 | 1.440 | -2.222 | 12.3 | 129.8 | 0.9780 | NA | 0.97 | 0.718 | 175.9 | 76.0 | 28.1 | 0.730 |
| | | 12.70 | 15.91 | 28.60 | ONE | 30.383 | 267.7 | -28.8 | 10.3 | | | | | | | | | | |
| 45040.0 | 47240.0 | 0.627 | 224.7 | -14.4 | 1.03 | 1.570 | 76.6 | 1.428 | -2.217 | 22.8 | 130.3 | 0.9480 | NA | 1.17 | 0.719 | 176.0 | 76.0 | 28.2 | 0.731 |
| | | 13.90 | 15.93 | 29.83 | ONE | 30.383 | 267.7 | -28.8 | 10.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447440.0 | | | | | | | | | | | |
| 44990.0 | 47440.0 | 0.614 | 247.5 | -15.3 | 2.67 | 1.542 | 104.0 | 1.323 | -2.888 | 335.4 | 494.6 | 0.933 | NA | -1.00 | 0.642 | 175.6 | 75.8 | 28.0 | 0.655 |
| | | 13.57 | 14.09 | 27.66 | ONE | 30.275 | 269.1 | -28.8 | 11.7 | | | | | | | | | | |
| 45000.0 | 47440.0 | 0.565 | 244.3 | -16.3 | 1.84 | 1.542 | 98.7 | 1.337 | -2.866 | 344.8 | 493.8 | 0.965 | NA | -0.08 | 0.644 | 175.6 | 75.9 | 28.1 | 0.657 |
| | | 12.33 | 14.13 | 26.46 | ONE | 30.275 | 269.1 | -28.8 | 11.6 | | | | | | | | | | |
| 45010.0 | 47440.0 | 0.536 | 239.1 | -16.2 | 1.44 | 1.542 | 93.2 | 1.345 | -2.849 | 354.5 | 493.4 | 0.984 | NA | 0.41 | 0.646 | 175.5 | 76.0 | 28.1 | 0.658 |
| | | 11.60 | 14.16 | 25.76 | ONE | 30.275 | 269.1 | -28.8 | 11.5 | | | | | | | | | | |
| 45020.0 | 47440.0 | 0.532 | 232.6 | -15.4 | 1.22 | 1.541 | 87.4 | 1.348 | -2.837 | 4.5 | 133.2 | 0.9870 | NA | 0.74 | 0.647 | 175.5 | 76.1 | 28.1 | 0.660 |
| | | 11.51 | 14.19 | 25.70 | ONE | 30.275 | 269.1 | -28.8 | 11.5 | | | | | | | | | | |
| 45030.0 | 47440.0 | 0.557 | 226.2 | -14.3 | 1.08 | 1.540 | 81.5 | 1.344 | -2.829 | 14.8 | 133.5 | 0.9720 | NA | 0.98 | 0.648 | 175.6 | 76.0 | 28.2 | 0.660 |
| | | 12.13 | 14.21 | 26.34 | ONE | 30.275 | 269.1 | -28.8 | 11.5 | | | | | | | | | | |
| 45040.0 | 47440.0 | 0.609 | 221.1 | -13.3 | 1.00 | 1.539 | 75.4 | 1.332 | -2.824 | 25.4 | 134.1 | 0.9390 | NA | 1.18 | 0.648 | 175.7 | 75.9 | 28.2 | 0.661 |
| | | 13.44 | 14.23 | 27.67 | ONE | 30.275 | 269.1 | -28.8 | 11.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447640.0 | | | | | | | | | | | |
| 44980.0 | 47640.0 | 0.644 | 247.7 | -9.1 | 5.57 | 1.518 | 107.8 | 1.245 | -3.682 | 328.1 | 498.6 | 0.901 | NA | -3.98 | 0.581 | 175.4 | 75.7 | 27.7 | 0.596 |
| | | 14.32 | 12.69 | 27.01 | ONE | 29.826 | 270.4 | -28.8 | 13.1 | | | | | | | | | | |
| 44990.0 | 47640.0 | 0.578 | 245.3 | -14.4 | 2.73 | 1.519 | 102.7 | 1.258 | -3.649 | 337.3 | 497.6 | 0.942 | NA | -1.05 | 0.583 | 175.3 | 75.8 | 28.0 | 0.598 |
| | | 12.66 | 12.72 | 25.38 | ONE | 29.826 | 270.4 | -28.8 | 12.9 | | | | | | | | | | |
| 45000.0 | 47640.0 | 0.533 | 241.5 | -15.5 | 1.85 | 1.519 | 97.4 | 1.268 | -3.622 | 346.8 | 497.0 | 0.971 | NA | -0.08 | 0.585 | 175.2 | 75.9 | 28.1 | 0.599 |
| | | 11.53 | 12.76 | 24.29 | ONE | 29.826 | 270.4 | -28.8 | 12.8 | | | | | | | | | | |
| 45010.0 | 47640.0 | 0.508 | 235.8 | -15.3 | 1.43 | 1.518 | 91.9 | 1.274 | -3.603 | 356.6 | 496.6 | 0.986 | NA | 0.42 | 0.586 | 175.2 | 76.0 | 28.1 | 0.600 |
| | | 10.94 | 12.78 | 23.72 | ONE | 29.826 | 270.4 | -28.8 | 12.7 | | | | | | | | | | |
| 45020.0 | 47640.0 | 0.511 | 229.0 | -14.5 | 1.20 | 1.517 | 86.3 | 1.274 | -3.589 | 6.6 | 136.6 | 0.9850 | NA | 0.75 | 0.587 | 175.2 | 76.0 | 28.1 | 0.601 |
| | | 10.99 | 12.81 | 23.79 | ONE | 29.826 | 270.4 | -28.8 | 12.7 | | | | | | | | | | |
| 45030.0 | 47640.0 | 0.541 | 222.7 | -13.3 | 1.06 | 1.516 | 80.5 | 1.270 | -3.581 | 17.0 | 136.9 | 0.9670 | NA | 0.99 | 0.588 | 175.2 | 76.0 | 28.2 | 0.602 |
| | | 11.73 | 12.82 | 24.55 | ONE | 29.826 | 270.4 | -28.8 | 12.7 | | | | | | | | | | |
| 45040.0 | 47640.0 | 0.597 | 218.0 | -12.4 | 0.98 | 1.514 | 74.5 | 1.260 | -3.577 | 27.7 | 137.6 | 0.9300 | NA | 1.19 | 0.588 | 175.3 | 75.9 | 28.2 | 0.602 |
| | | 13.13 | 12.83 | 25.96 | ONE | 29.826 | 270.4 | -28.8 | 12.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447840.0 | | | | | | | | | | | |
| 44980.0 | 47840.0 | 0.615 | 246.4 | -7.0 | 6.14 | 1.500 | 106.6 | 1.196 | -4.644 | 329.7 | 501.3 | 0.910 | NA | -4.54 | 0.531 | 174.9 | 75.6 | 27.6 | 0.547 |
| | | 13.59 | 11.56 | 25.15 | ONE | 30.779 | 271.8 | -28.8 | 14.3 | | | | | | | | | | |
| 44990.0 | 47840.0 | 0.549 | 243.2 | -13.5 | 2.80 | 1.500 | 101.5 | 1.206 | -4.602 | 339.0 | 500.5 | 0.948 | NA | -1.12 | 0.532 | 174.8 | 75.8 | 28.0 | 0.548 |
| | | 11.94 | 11.59 | 23.53 | ONE | 30.779 | 271.8 | -28.8 | 14.1 | | | | | | | | | | |
| 45000.0 | 47840.0 | 0.507 | 238.8 | -14.8 | 1.85 | 1.500 | 96.3 | 1.213 | -4.569 | 348.6 | 499.9 | 0.974 | NA | -0.09 | 0.534 | 174.8 | 75.9 | 28.1 | 0.549 |
| | | 10.91 | 11.62 | 22.53 | ONE | 30.779 | 271.8 | -28.8 | 14.0 | | | | | | | | | | |
| 45010.0 | 47840.0 | 0.488 | 232.7 | -14.6 | 1.42 | 1.499 | 90.9 | 1.217 | -4.546 | 358.4 | 499.7 | 0.986 | NA | 0.43 | 0.535 | 174.7 | 75.9 | 28.1 | 0.550 |
| | | 10.44 | 11.64 | 22.08 | ONE | 30.779 | 271.8 | -28.8 | 13.9 | | | | | | | | | | |
| 45020.0 | 47840.0 | 0.495 | 225.9 | -13.6 | 1.18 | 1.498 | 85.3 | 1.217 | -4.530 | 8.6 | 139.7 | 0.9830 | NA | 0.76 | 0.536 | 174.8 | 75.9 | 28.1 | 0.551 |
| | | 10.61 | 11.66 | 22.26 | ONE | 30.779 | 271.8 | -28.8 | 13.9 | | | | | | | | | | |
| 45030.0 | 47840.0 | 0.529 | 219.8 | -12.5 | 1.04 | 1.496 | 79.6 | 1.213 | -4.523 | 19.0 | 140.0 | 0.9610 | NA | 1.00 | 0.536 | 174.8 | 75.9 | 28.2 | 0.552 |
| | | 11.45 | 11.67 | 23.12 | ONE | 30.779 | 271.8 | -28.8 | 14.0 | | | | | | | | | | |

1982
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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 COAST | PSI 1 RAS | LCCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45040.0 | 47840.0 | 0.589 | 215.5 | -11.7 | 0.95 | 1.495 | 73.7 | 1.204 | -4.521 | 29.7 | 140.8 | 0.922D | NA | 1.19 | 0.536 | 174.9 | 75.8 | 28.2 | 0.552 |
| | | 12.92 | 11.68 | 24.59 | ONE | 30.779 | 271.8 | -28.8 | 14.1 | | | | | | | | | | |
| ARRIVAL DATE = 2448040.0 | | | | | | | | | | | | | | | | | | | |
| 44980.0 | 48040.0 | 0.593 | 245.5 | -4.5 | 6.89 | 1.485 | 105.5 | 1.156 | -5.868 | 331.1 | 503.9 | 0.918 | NA | -5.29 | 0.486 | 174.5 | 75.5 | 27.5 | 0.504 |
| | | 13.04 | 10.62 | 23.66 | ONE | 29.379 | 273.1 | -28.8 | 15.6 | | | | | | | | | | |
| 44990.0 | 48040.0 | 0.526 | 241.4 | -12.7 | 2.88 | 1.485 | 100.5 | 1.164 | -5.814 | 340.5 | 503.2 | 0.954 | NA | -1.19 | 0.488 | 174.4 | 75.7 | 27.9 | 0.505 |
| | | 11.36 | 10.65 | 22.01 | ONE | 29.379 | 273.1 | -28.8 | 15.4 | | | | | | | | | | |
| 45000.0 | 48040.0 | 0.487 | 236.5 | -14.1 | 1.85 | 1.484 | 95.3 | 1.169 | -5.773 | 350.1 | 502.7 | 0.977 | NA | -0.09 | 0.489 | 174.3 | 75.8 | 28.0 | 0.506 |
| | | 10.42 | 10.67 | 21.09 | ONE | 29.379 | 273.1 | -28.8 | 15.3 | | | | | | | | | | |
| 45010.0 | 48040.0 | 0.471 | 230.1 | -13.8 | 1.40 | 1.484 | 90.0 | 1.172 | -5.744 | 0.0 | 142.5 | 0.987D | NA | 0.44 | 0.490 | 174.3 | 75.8 | 28.1 | 0.507 |
| | | 10.05 | 10.69 | 20.74 | ONE | 29.379 | 273.1 | -28.8 | 15.2 | | | | | | | | | | |
| 45020.0 | 48040.0 | 0.483 | 223.2 | -12.8 | 1.16 | 1.482 | 84.5 | 1.171 | -5.727 | 10.2 | 142.5 | 0.980D | NA | 0.78 | 0.491 | 174.3 | 75.8 | 28.1 | 0.508 |
| | | 10.32 | 10.70 | 21.02 | ONE | 29.379 | 273.1 | -28.8 | 15.2 | | | | | | | | | | |
| 45030.0 | 48040.0 | 0.521 | 217.3 | -11.8 | 1.01 | 1.481 | 78.9 | 1.167 | -5.721 | 20.7 | 142.9 | 0.957D | NA | 1.01 | 0.491 | 174.4 | 75.7 | 28.1 | 0.508 |
| | | 11.24 | 10.71 | 21.95 | ONE | 29.379 | 273.1 | -28.8 | 15.3 | | | | | | | | | | |
| 45040.0 | 48040.0 | 0.583 | 213.4 | -11.0 | 0.92 | 1.479 | 73.1 | 1.160 | -5.723 | 31.4 | 143.7 | 0.915D | NA | 1.20 | 0.491 | 174.6 | 75.6 | 28.1 | 0.508 |
| | | 12.76 | 10.71 | 23.48 | ONE | 29.379 | 273.1 | -28.8 | 15.4 | | | | | | | | | | |
| ARRIVAL DATE = 2448240.0 | | | | | | | | | | | | | | | | | | | |
| 44980.0 | 48240.0 | 0.579 | 245.0 | -1.3 | 7.95 | 1.472 | 104.7 | 1.124 | -7.458 | 332.3 | 506.3 | 0.924 | NA | -6.33 | 0.448 | 174.0 | 75.4 | 27.4 | 0.467 |
| | | 12.67 | 9.83 | 22.50 | ONE | 31.102 | 274.5 | -28.7 | 16.9 | | | | | | | | | | |
| 44990.0 | 48240.0 | 0.507 | 239.7 | -11.9 | 2.97 | 1.472 | 99.7 | 1.130 | -7.387 | 341.7 | 505.6 | 0.958 | NA | -1.28 | 0.449 | 174.0 | 75.5 | 27.9 | 0.468 |
| | | 10.91 | 9.85 | 20.76 | ONE | 31.102 | 274.5 | -28.7 | 16.7 | | | | | | | | | | |
| 45000.0 | 48240.0 | 0.471 | 234.4 | -13.5 | 1.86 | 1.472 | 94.5 | 1.134 | -7.334 | 351.5 | 505.2 | 0.979 | NA | -0.09 | 0.450 | 173.9 | 75.6 | 28.0 | 0.468 |
| | | 10.04 | 9.87 | 19.91 | ONE | 31.102 | 274.5 | -28.7 | 16.6 | | | | | | | | | | |
| 45010.0 | 48240.0 | 0.459 | 227.8 | -13.2 | 1.39 | 1.471 | 89.2 | 1.135 | -7.298 | 1.4 | 145.0 | 0.987D | NA | 0.46 | 0.451 | 173.9 | 75.7 | 28.1 | 0.469 |
| | | 9.76 | 9.88 | 19.64 | ONE | 31.102 | 274.5 | -28.7 | 16.5 | | | | | | | | | | |
| 45020.0 | 48240.0 | 0.474 | 220.9 | -12.2 | 1.13 | 1.470 | 83.8 | 1.134 | -7.279 | 11.7 | 145.1 | 0.978D | NA | 0.79 | 0.451 | 173.9 | 75.7 | 28.1 | 0.470 |
| | | 10.11 | 9.89 | 20.00 | ONE | 31.102 | 274.5 | -28.7 | 16.6 | | | | | | | | | | |
| 45030.0 | 48240.0 | 0.515 | 215.2 | -11.1 | 0.99 | 1.468 | 78.2 | 1.131 | -7.275 | 22.1 | 145.6 | 0.952D | NA | 1.03 | 0.451 | 174.0 | 75.6 | 28.1 | 0.470 |
| | | 11.09 | 9.90 | 20.99 | ONE | 31.102 | 274.5 | -28.7 | 16.6 | | | | | | | | | | |
| 45040.0 | 48240.0 | 0.578 | 211.6 | -10.5 | 0.90 | 1.466 | 72.6 | 1.125 | -7.284 | 32.9 | 146.3 | 0.909D | NA | 1.21 | 0.451 | 174.1 | 75.4 | 28.1 | 0.470 |
| | | 12.65 | 9.90 | 22.55 | ONE | 31.102 | 274.5 | -28.7 | 16.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448440.0 | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 48440.0 | 0.622 | 236.2 | -38.9 | -8.22 | 1.462 | 108.9 | 1.091 | -9.708 | 323.8 | 509.4 | 0.884 | NA | 9.77 | 0.411 | 173.7 | 74.7 | 29.0 | 0.433 |
| | | 13.75 | 9.14 | 22.89 | TWO | 29.170 | 275.8 | -28.7 | 18.5 | | | | | | | | | | |
| 44980.0 | 48440.0 | 0.572 | 245.1 | 3.1 | 9.51 | 1.462 | 104.0 | 1.097 | -9.583 | 333.3 | 508.5 | 0.929 | NA | -7.89 | 0.413 | 173.6 | 75.2 | 27.1 | 0.434 |
| | | 12.51 | 9.16 | 21.67 | ONE | 29.170 | 275.8 | -28.7 | 18.3 | | | | | | | | | | |
| 44990.0 | 48440.0 | 0.492 | 238.4 | -11.0 | 3.07 | 1.462 | 99.0 | 1.101 | -9.485 | 342.8 | 507.9 | 0.961 | NA | -1.38 | 0.414 | 173.5 | 75.3 | 27.9 | 0.434 |
| | | 10.54 | 9.17 | 19.72 | ONE | 29.170 | 275.8 | -28.7 | 18.0 | | | | | | | | | | |
| 45000.0 | 48440.0 | 0.458 | 232.7 | -12.9 | 1.86 | 1.462 | 93.9 | 1.104 | -9.414 | 352.6 | 507.5 | 0.981 | NA | -0.10 | 0.415 | 173.4 | 75.4 | 28.0 | 0.435 |
| | | 9.74 | 9.19 | 18.92 | ONE | 29.170 | 275.8 | -28.7 | 17.9 | | | | | | | | | | |
| 45010.0 | 48440.0 | 0.449 | 225.8 | -12.6 | 1.37 | 1.461 | 88.6 | 1.105 | -9.368 | 2.6 | 147.4 | 0.986D | NA | 0.47 | 0.416 | 173.4 | 75.5 | 28.1 | 0.436 |
| | | 9.53 | 9.20 | 18.72 | ONE | 29.170 | 275.8 | -28.7 | 17.9 | | | | | | | | | | |
| 45020.0 | 48440.0 | 0.467 | 218.9 | -11.6 | 1.11 | 1.459 | 83.2 | 1.104 | -9.347 | 12.9 | 147.6 | 0.976D | NA | 0.81 | 0.416 | 173.5 | 75.5 | 28.1 | 0.436 |
| | | 9.94 | 9.20 | 19.15 | ONE | 29.170 | 275.8 | -28.7 | 17.9 | | | | | | | | | | |
| 45030.0 | 48440.0 | 0.510 | 213.5 | -10.6 | 0.96 | 1.458 | 77.7 | 1.101 | -9.347 | 23.4 | 148.0 | 0.948D | NA | 1.04 | 0.416 | 173.5 | 75.4 | 28.1 | 0.436 |
| | | 10.98 | 9.21 | 20.19 | ONE | 29.170 | 275.8 | -28.7 | 18.0 | | | | | | | | | | |
| 45040.0 | 48440.0 | 0.575 | 210.2 | -10.1 | 0.87 | 1.456 | 72.1 | 1.097 | -9.367 | 34.1 | 148.7 | 0.904D | NA | 1.23 | 0.416 | 173.7 | 75.2 | 28.1 | 0.437 |
| | | 12.56 | 9.22 | 21.78 | ONE | 29.170 | 275.8 | -28.7 | 18.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448640.0 | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 48640.0 | 0.598 | 235.7 | -35.3 | -6.50 | 1.453 | 108.3 | 1.070 | -12.715 | 324.6 | 511.4 | 0.890 | NA | 8.06 | 0.381 | 173.2 | 74.5 | 28.8 | 0.403 |
| | | 13.15 | 8.57 | 21.71 | TWO | 31.144 | 277.2 | -28.6 | 19.9 | | | | | | | | | | |
| 44980.0 | 48640.0 | 0.580 | 246.2 | 9.5 | 12.10 | 1.454 | 103.4 | 1.074 | -12.532 | 334.2 | 510.6 | 0.933 | NA | -10.47 | 0.382 | 173.1 | 75.0 | 26.8 | 0.405 |
| | | 12.70 | 8.59 | 21.29 | ONE | 31.144 | 277.2 | -28.6 | 19.7 | | | | | | | | | | |
| 44990.0 | 48640.0 | 0.480 | 237.2 | -10.2 | 3.19 | 1.454 | 98.4 | 1.078 | -12.391 | 343.8 | 510.0 | 0.964 | NA | -1.49 | 0.383 | 173.0 | 75.1 | 27.8 | 0.405 |
| | | 10.25 | 8.59 | 18.84 | ONE | 31.144 | 277.2 | -28.6 | 19.4 | | | | | | | | | | |
| 45000.0 | 48640.0 | 0.447 | 231.1 | -12.4 | 1.87 | 1.453 | 93.3 | 1.080 | -12.291 | 353.6 | 509.7 | 0.982 | NA | -0.10 | 0.384 | 172.9 | 75.2 | 28.0 | 0.406 |
| | | 9.49 | 8.61 | 18.10 | ONE | 31.144 | 277.2 | -28.6 | 19.3 | | | | | | | | | | |
| 45010.0 | 48640.0 | 0.441 | 224.1 | -12.1 | 1.35 | 1.452 | 88.1 | 1.081 | -12.230 | 3.6 | 149.6 | 0.986D | NA | 0.48 | 0.385 | 172.9 | 75.2 | 28.1 | 0.406 |
| | | 9.34 | 8.61 | 17.96 | ONE | 31.144 | 277.2 | -28.6 | 19.3 | | | | | | | | | | |
| 45020.0 | 48640.0 | 0.461 | 217.3 | -11.2 | 1.09 | 1.451 | 82.8 | 1.080 | -12.206 | 13.9 | 149.8 | 0.974D | NA | 0.82 | 0.385 | 173.0 | 75.2 | 28.1 | 0.406 |
| | | 9.81 | 8.62 | 18.44 | ONE | 31.144 | 277.2 | -28.6 | 19.3 | | | | | | | | | | |

1982
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45030.0 | 48640.0 | 0.506 | 212.1 | -10.2 | 0.93 | 1.449 | 77.3 | 1.077 | -12.216 | 24.4 | 150.2 | 0.945D | NA | 1.06 | 0.385 | 173.1 | 75.1 | 28.1 | 0.407 |
| | | 10.89 | 8.63 | 19.51 | ONE | 31.144 | 277.2 | -28.6 | 19.4 | | | | | | | | | | |
| 45040.0 | 48640.0 | 0.572 | 209.1 | -9.7 | 0.84 | 1.447 | 71.8 | 1.073 | -12.255 | 35.1 | 150.9 | 0.900D | NA | 1.24 | 0.385 | 173.2 | 74.9 | 28.1 | 0.407 |
| | | 12.49 | 8.63 | 21.12 | ONE | 31.144 | 277.2 | -28.6 | 19.6 | | | | | | | | | | |
| ARRIVAL DATE = 2448840.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 48840.0 | 0.638 | 235.8 | -24.8 | -2.34 | 1.446 | 112.5 | 1.048 | -17.498 | 316.0 | 514.1 | 0.843 | NA | 3.84 | 0.351 | 172.9 | 74.0 | 28.3 | 0.376 |
| | | 14.17 | 8.06 | 22.22 | TWO | 29.261 | 278.5 | -28.5 | 21.6 | | | | | | | | | | |
| 44970.0 | 48840.0 | 0.580 | 235.4 | -32.6 | -5.28 | 1.446 | 107.8 | 1.052 | -17.140 | 325.3 | 513.2 | 0.894 | NA | 6.85 | 0.353 | 172.7 | 74.2 | 28.7 | 0.377 |
| | | 12.70 | 8.07 | 20.77 | TWO | 29.261 | 278.5 | -28.5 | 21.3 | | | | | | | | | | |
| 44980.0 | 48840.0 | 0.623 | 249.7 | 20.3 | 17.14 | 1.447 | 102.9 | 1.056 | -16.854 | 335.0 | 512.5 | 0.936 | NA | -15.51 | 0.354 | 172.5 | 74.6 | 26.1 | 0.379 |
| | | 13.78 | 8.10 | 21.88 | ONE | 29.261 | 278.5 | -28.5 | 21.4 | | | | | | | | | | |
| 44990.0 | 48840.0 | 0.470 | 236.3 | -9.4 | 3.33 | 1.447 | 97.9 | 1.058 | -16.637 | 344.5 | 512.0 | 0.966 | NA | -1.63 | 0.356 | 172.4 | 74.8 | 27.7 | 0.379 |
| | | 10.01 | 8.10 | 18.11 | ONE | 29.261 | 278.5 | -28.5 | 20.9 | | | | | | | | | | |
| 45000.0 | 48840.0 | 0.438 | 229.9 | -11.9 | 1.87 | 1.446 | 92.9 | 1.060 | -16.487 | 354.4 | 511.7 | 0.983 | NA | -0.11 | 0.356 | 172.4 | 74.9 | 27.9 | 0.379 |
| | | 9.30 | 8.11 | 17.40 | ONE | 29.261 | 278.5 | -28.5 | 20.8 | | | | | | | | | | |
| 45010.0 | 48840.0 | 0.434 | 222.7 | -11.7 | 1.33 | 1.445 | 87.7 | 1.060 | -16.401 | 4.5 | 151.6 | 0.985D | NA | 0.50 | 0.357 | 172.4 | 74.9 | 28.0 | 0.380 |
| | | 9.19 | 8.12 | 17.31 | ONE | 29.261 | 278.5 | -28.5 | 20.7 | | | | | | | | | | |
| 45020.0 | 48840.0 | 0.456 | 216.0 | -10.8 | 1.06 | 1.444 | 82.4 | 1.059 | -16.373 | 14.8 | 151.8 | 0.972D | NA | 0.84 | 0.357 | 172.5 | 74.9 | 28.1 | 0.380 |
| | | 9.71 | 8.12 | 17.83 | ONE | 29.261 | 278.5 | -28.5 | 20.8 | | | | | | | | | | |
| 45030.0 | 48840.0 | 0.503 | 211.0 | -9.9 | 0.91 | 1.442 | 77.0 | 1.057 | -16.401 | 25.2 | 152.2 | 0.942D | NA | 1.07 | 0.357 | 172.6 | 74.8 | 28.1 | 0.380 |
| | | 10.81 | 8.13 | 18.93 | ONE | 29.261 | 278.5 | -28.5 | 20.9 | | | | | | | | | | |
| 45040.0 | 48840.0 | 0.569 | 208.1 | -9.5 | 0.81 | 1.440 | 71.5 | 1.054 | -16.477 | 36.0 | 152.9 | 0.896D | NA | 1.25 | 0.356 | 172.7 | 74.6 | 28.1 | 0.380 |
| | | 12.42 | 8.13 | 20.55 | ONE | 29.261 | 278.5 | -28.5 | 21.1 | | | | | | | | | | |
| 45050.0 | 48840.0 | 0.648 | 207.3 | -9.6 | 0.76 | 1.438 | 66.0 | 1.050 | -16.594 | 46.9 | 153.9 | 0.835D | NA | 1.40 | 0.356 | 173.0 | 74.3 | 28.0 | 0.381 |
| | | 14.44 | 8.13 | 22.58 | ONE | 29.261 | 278.5 | -28.5 | 21.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449040.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 49040.0 | 0.626 | 235.5 | -24.3 | -2.09 | 1.440 | 112.1 | 1.034 | -24.848 | 316.5 | 515.8 | 0.847 | NA | 3.61 | 0.326 | 172.3 | 73.6 | 28.3 | 0.353 |
| | | 13.88 | 7.64 | 21.51 | TWO | 30.888 | 279.9 | -28.4 | 23.1 | | | | | | | | | | |
| 44970.0 | 49040.0 | 0.566 | 235.1 | -30.6 | -4.38 | 1.441 | 107.4 | 1.037 | -24.218 | 325.9 | 514.9 | 0.897 | NA | 5.96 | 0.328 | 172.1 | 73.9 | 28.6 | 0.354 |
| | | 12.36 | 7.65 | 20.01 | TWO | 30.888 | 279.9 | -28.4 | 22.8 | | | | | | | | | | |
| 44990.0 | 49040.0 | 0.462 | 235.5 | -8.5 | 3.50 | 1.441 | 97.6 | 1.041 | -23.354 | 345.2 | 513.8 | 0.967 | NA | -1.80 | 0.330 | 171.9 | 74.5 | 27.7 | 0.355 |
| | | 9.83 | 7.67 | 17.50 | ONE | 30.888 | 279.9 | -28.4 | 22.4 | | | | | | | | | | |
| 45000.0 | 49040.0 | 0.431 | 228.8 | -11.6 | 1.88 | 1.440 | 92.5 | 1.043 | -23.105 | 355.1 | 513.6 | 0.983 | NA | -0.11 | 0.331 | 171.8 | 74.6 | 27.9 | 0.356 |
| | | 9.13 | 7.68 | 16.81 | ONE | 30.888 | 279.9 | -28.4 | 22.3 | | | | | | | | | | |
| 45010.0 | 49040.0 | 0.429 | 221.5 | -11.4 | 1.31 | 1.439 | 87.4 | 1.043 | -22.970 | 5.2 | 153.5 | 0.985D | NA | 0.52 | 0.331 | 171.8 | 74.6 | 28.0 | 0.356 |
| | | 9.07 | 7.69 | 16.76 | ONE | 30.888 | 279.9 | -28.4 | 22.2 | | | | | | | | | | |
| 45020.0 | 49040.0 | 0.453 | 214.9 | -10.5 | 1.04 | 1.438 | 82.1 | 1.042 | -22.940 | 15.4 | 153.7 | 0.970D | NA | 0.86 | 0.331 | 171.9 | 74.5 | 28.0 | 0.356 |
| | | 9.62 | 7.69 | 17.31 | ONE | 30.888 | 279.9 | -28.4 | 22.3 | | | | | | | | | | |
| 45030.0 | 49040.0 | 0.500 | 210.0 | -9.6 | 0.88 | 1.436 | 76.8 | 1.041 | -23.007 | 25.9 | 154.1 | 0.940D | NA | 1.09 | 0.331 | 172.0 | 74.4 | 28.0 | 0.356 |
| | | 10.74 | 7.69 | 18.44 | ONE | 30.888 | 279.9 | -28.4 | 22.4 | | | | | | | | | | |
| 45040.0 | 49040.0 | 0.566 | 207.4 | -9.3 | 0.78 | 1.434 | 71.3 | 1.039 | -23.162 | 36.6 | 154.8 | 0.894D | NA | 1.26 | 0.331 | 172.2 | 74.2 | 28.0 | 0.357 |
| | | 12.36 | 7.70 | 20.06 | ONE | 30.888 | 279.9 | -28.4 | 22.6 | | | | | | | | | | |
| 45050.0 | 49040.0 | 0.646 | 206.7 | -9.5 | 0.73 | 1.432 | 65.8 | 1.036 | -23.393 | 47.5 | 155.7 | 0.832D | NA | 1.41 | 0.330 | 172.5 | 73.9 | 28.0 | 0.357 |
| | | 14.37 | 7.70 | 22.07 | ONE | 30.888 | 279.9 | -28.4 | 22.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449240.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 49240.0 | 0.617 | 235.2 | -23.8 | -1.88 | 1.435 | 111.8 | 1.022 | -38.539 | 316.9 | 517.3 | 0.850 | NA | 3.41 | 0.304 | 171.8 | 73.2 | 28.2 | 0.332 |
| | | 13.64 | 7.27 | 20.92 | TWO | 29.622 | 281.2 | -28.3 | 24.6 | | | | | | | | | | |
| 44970.0 | 49240.0 | 0.556 | 235.0 | -29.0 | -3.69 | 1.436 | 107.1 | 1.024 | -37.211 | 326.3 | 516.6 | 0.900 | NA | 5.28 | 0.305 | 171.6 | 73.5 | 28.5 | 0.333 |
| | | 12.09 | 7.29 | 19.38 | TWO | 29.622 | 281.2 | -28.3 | 24.3 | | | | | | | | | | |
| 44990.0 | 49240.0 | 0.455 | 235.0 | -7.6 | 3.71 | 1.436 | 97.3 | 1.027 | -35.446 | 345.7 | 515.5 | 0.969 | NA | -2.01 | 0.307 | 171.3 | 74.1 | 27.6 | 0.334 |
| | | 9.68 | 7.30 | 16.98 | ONE | 29.622 | 281.2 | -28.3 | 23.9 | | | | | | | | | | |
| 45000.0 | 49240.0 | 0.425 | 228.0 | -11.2 | 1.89 | 1.435 | 92.2 | 1.028 | -34.960 | 355.6 | 515.3 | 0.984 | NA | -0.12 | 0.308 | 171.3 | 74.2 | 27.9 | 0.334 |
| | | 9.00 | 7.31 | 16.31 | ONE | 29.622 | 281.2 | -28.3 | 23.8 | | | | | | | | | | |
| 45010.0 | 49240.0 | 0.424 | 220.6 | -11.2 | 1.29 | 1.434 | 87.1 | 1.028 | -34.711 | 5.7 | 155.2 | 0.984D | NA | 0.53 | 0.308 | 171.3 | 74.2 | 28.0 | 0.335 |
| | | 8.97 | 7.32 | 16.29 | ONE | 29.622 | 281.2 | -28.3 | 23.8 | | | | | | | | | | |
| 45020.0 | 49240.0 | 0.449 | 214.0 | -10.3 | 1.01 | 1.432 | 81.9 | 1.028 | -34.681 | 16.0 | 155.4 | 0.969D | NA | 0.88 | 0.308 | 171.3 | 74.1 | 28.0 | 0.335 |
| | | 9.54 | 7.32 | 16.86 | ONE | 29.622 | 281.2 | -28.3 | 23.8 | | | | | | | | | | |
| 45030.0 | 49240.0 | 0.498 | 209.3 | -9.5 | 0.85 | 1.431 | 76.6 | 1.027 | -34.855 | 26.5 | 155.8 | 0.938D | NA | 1.11 | 0.308 | 171.5 | 74.0 | 28.0 | 0.335 |
| | | 10.68 | 7.32 | 18.00 | ONE | 29.622 | 281.2 | -28.3 | 24.0 | | | | | | | | | | |
| 45040.0 | 49240.0 | 0.564 | 206.8 | -9.1 | 0.75 | 1.429 | 71.2 | 1.025 | -35.215 | 37.1 | 156.5 | 0.892D | NA | 1.28 | 0.308 | 171.7 | 73.8 | 28.0 | 0.335 |
| | | 12.30 | 7.33 | 19.62 | ONE | 29.622 | 281.2 | -28.3 | 24.2 | | | | | | | | | | |
| 45050.0 | 49240.0 | 0.643 | 206.3 | -9.4 | 0.70 | 1.427 | 65.7 | 1.023 | -35.741 | 47.9 | 157.4 | 0.830D | NA | 1.42 | 0.307 | 172.0 | 73.5 | 28.0 | 0.336 |
| | | 14.30 | 7.33 | 21.63 | ONE | 29.622 | 281.2 | -28.3 | 24.4 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2449440.0 | | | | | | | | | | | |
| 44960.0 | 49440.0 | 0.610 | 235.1 | -23.4 | -1.69 | 1.431 | 111.5 | 1.012 | -72.538 | 317.2 | 518.8 | 0.852 | NA | 3.23 | 0.283 | 171.2 | 72.7 | 28.2 | 0.313 |
| | | 13.45 | 6.96 | 20.42 | TWO | 30.411 | 282.6 | -28.2 | 26.2 | | | | | | | | | | |
| 44970.0 | 49440.0 | 0.547 | 234.9 | -27.6 | -3.14 | 1.431 | 106.8 | 1.013 | -68.439 | 326.6 | 518.1 | 0.902 | NA | 4.74 | 0.284 | 171.0 | 73.0 | 28.4 | 0.314 |
| | | 11.88 | 6.97 | 18.85 | TWO | 30.411 | 282.6 | -28.2 | 25.9 | | | | | | | | | | |
| 44990.0 | 49440.0 | 0.450 | 234.7 | -6.5 | 3.98 | 1.431 | 97.0 | 1.015 | -63.320 | 346.1 | 517.1 | 0.969 | NA | -2.27 | 0.287 | 170.7 | 73.7 | 27.5 | 0.315 |
| | | 9.57 | 6.99 | 16.55 | ONE | 30.411 | 282.6 | -28.2 | 25.5 | | | | | | | | | | |
| 45000.0 | 49440.0 | 0.421 | 227.3 | -11.0 | 1.89 | 1.430 | 92.0 | 1.016 | -61.993 | 356.0 | 516.9 | 0.984 | NA | -0.13 | 0.287 | 170.6 | 73.8 | 27.8 | 0.315 |
| | | 8.89 | 6.99 | 15.88 | ONE | 30.411 | 282.6 | -28.2 | 25.4 | | | | | | | | | | |
| 45010.0 | 49440.0 | 0.420 | 219.9 | -11.0 | 1.27 | 1.429 | 86.9 | 1.016 | -61.357 | 6.1 | 156.9 | 0.984D | NA | 0.55 | 0.287 | 170.6 | 73.8 | 27.9 | 0.315 |
| | | 8.88 | 6.99 | 15.88 | ONE | 30.411 | 282.6 | -28.2 | 25.4 | | | | | | | | | | |
| 45020.0 | 49440.0 | 0.446 | 213.4 | -10.1 | 0.98 | 1.428 | 81.7 | 1.016 | -61.351 | 16.4 | 157.0 | 0.968D | NA | 0.90 | 0.287 | 170.7 | 73.7 | 28.0 | 0.316 |
| | | 9.47 | 7.00 | 16.47 | ONE | 30.411 | 282.6 | -28.2 | 25.4 | | | | | | | | | | |
| 45030.0 | 49440.0 | 0.495 | 208.8 | -9.3 | 0.82 | 1.426 | 76.5 | 1.015 | -61.934 | 26.9 | 157.4 | 0.937D | NA | 1.13 | 0.287 | 170.9 | 73.5 | 28.0 | 0.316 |
| | | 10.62 | 7.00 | 17.62 | ONE | 30.411 | 282.6 | -28.2 | 25.6 | | | | | | | | | | |
| 45040.0 | 49440.0 | 0.561 | 206.4 | -9.1 | 0.72 | 1.424 | 71.1 | 1.014 | -63.070 | 37.5 | 158.0 | 0.890D | NA | 1.29 | 0.287 | 171.1 | 73.3 | 28.0 | 0.316 |
| | | 12.23 | 7.00 | 19.24 | ONE | 30.411 | 282.6 | -28.2 | 25.8 | | | | | | | | | | |
| 45050.0 | 49440.0 | 0.640 | 206.0 | -9.3 | 0.66 | 1.422 | 65.7 | 1.013 | -64.729 | 48.3 | 158.9 | 0.829D | NA | 1.43 | 0.286 | 171.4 | 73.0 | 27.9 | 0.316 |
| | | 14.22 | 7.01 | 21.23 | ONE | 30.411 | 282.6 | -28.2 | 26.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449640.0 | | | | | | | | | | | |
| 44960.0 | 49640.0 | 0.604 | 235.0 | -23.0 | -1.51 | 1.427 | 111.4 | 1.003 | ******* | 317.4 | 520.2 | 0.853 | NA | 3.07 | 0.264 | 170.5 | 72.2 | 28.1 | 0.296 |
| | | 13.30 | 6.69 | 19.99 | TWO | 30.142 | 283.9 | -28.1 | 27.9 | | | | | | | | | | |
| 44970.0 | 49640.0 | 0.541 | 234.9 | -26.5 | -2.69 | 1.428 | 106.6 | 1.004 | ******* | 326.9 | 519.5 | 0.903 | NA | 4.30 | 0.265 | 170.3 | 72.5 | 28.3 | 0.297 |
| | | 11.72 | 6.70 | 18.41 | TWO | 30.142 | 283.9 | -28.1 | 27.6 | | | | | | | | | | |
| 44980.0 | 49640.0 | 0.559 | 225.6 | -55.4 | -13.72 | 1.428 | 101.8 | 1.004 | ******* | 336.5 | 518.9 | 0.942 | NA | 15.39 | 0.267 | 170.2 | 72.3 | 30.0 | 0.298 |
| | | 12.18 | 6.72 | 18.89 | TWO | 30.142 | 283.9 | -28.1 | 27.7 | | | | | | | | | | |
| 44990.0 | 49640.0 | 0.447 | 234.6 | -5.3 | 4.33 | 1.427 | 96.8 | 1.005 | ******* | 346.4 | 518.6 | 0.970 | NA | -2.61 | 0.267 | 170.0 | 73.2 | 27.3 | 0.298 |
| | | 9.49 | 6.71 | 16.20 | ONE | 30.142 | 283.9 | -28.1 | 27.1 | | | | | | | | | | |
| 45000.0 | 49640.0 | 0.416 | 226.9 | -10.8 | 1.90 | 1.427 | 91.8 | 1.005 | ******* | 356.3 | 518.4 | 0.984 | NA | -0.14 | 0.268 | 170.0 | 73.3 | 27.7 | 0.298 |
| | | 8.80 | 6.71 | 15.51 | ONE | 30.142 | 283.9 | -28.1 | 27.0 | | | | | | | | | | |
| 45010.0 | 49640.0 | 0.417 | 219.4 | -10.9 | 1.25 | 1.426 | 86.8 | 1.006 | ******* | 6.4 | 158.3 | 0.984D | NA | 0.57 | 0.268 | 170.0 | 73.3 | 27.9 | 0.298 |
| | | 8.81 | 6.72 | 15.52 | ONE | 30.142 | 283.9 | -28.1 | 27.0 | | | | | | | | | | |
| 45020.0 | 49640.0 | 0.443 | 212.9 | -10.0 | 0.95 | 1.424 | 81.6 | 1.005 | ******* | 16.7 | 158.5 | 0.968D | NA | 0.93 | 0.268 | 170.1 | 73.2 | 27.9 | 0.298 |
| | | 9.41 | 6.72 | 16.13 | ONE | 30.142 | 283.9 | -28.1 | 27.0 | | | | | | | | | | |
| 45030.0 | 49640.0 | 0.493 | 208.4 | -9.3 | 0.79 | 1.423 | 76.4 | 1.005 | ******* | 27.2 | 158.9 | 0.936D | NA | 1.15 | 0.268 | 170.2 | 73.0 | 27.9 | 0.298 |
| | | 10.56 | 6.72 | 17.28 | ONE | 30.142 | 283.9 | -28.1 | 27.2 | | | | | | | | | | |
| 45040.0 | 49640.0 | 0.559 | 206.1 | -9.0 | 0.69 | 1.421 | 71.1 | 1.005 | ******* | 37.7 | 159.5 | 0.889D | NA | 1.31 | 0.267 | 170.5 | 72.8 | 27.9 | 0.299 |
| | | 12.17 | 6.73 | 18.89 | ONE | 30.142 | 283.9 | -28.1 | 27.4 | | | | | | | | | | |
| 45050.0 | 49640.0 | 0.637 | 205.8 | -9.3 | 0.63 | 1.419 | 65.7 | 1.004 | ******* | 48.5 | 160.3 | 0.828D | NA | 1.44 | 0.267 | 170.8 | 72.4 | 27.9 | 0.299 |
| | | 14.14 | 6.73 | 20.87 | ONE | 30.142 | 283.9 | -28.1 | 27.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449840.0 | | | | | | | | | | | |
| 44960.0 | 49840.0 | 0.599 | 235.0 | -22.7 | -1.36 | 1.424 | 111.2 | 0.995 | 180.155 | 317.5 | 521.4 | 0.855 | 359.455A | 2.93 | 0.247 | 169.9 | 71.6 | 28.0 | 0.281 |
| | | 13.19 | 6.45 | 19.64 | TWO | 29.854 | 285.2 | -27.9 | 29.6 | | | | | | | | | | |
| 44970.0 | 49840.0 | 0.535 | 234.9 | -25.6 | -2.32 | 1.424 | 106.5 | 0.996 | 204.915 | 327.0 | 520.8 | 0.904 | 408.925A | 3.93 | 0.248 | 169.6 | 72.0 | 28.2 | 0.281 |
| | | 11.59 | 6.46 | 18.04 | TWO | 29.854 | 285.2 | -27.9 | 29.3 | | | | | | | | | | |
| 44980.0 | 49840.0 | 0.510 | 228.7 | -43.6 | -8.74 | 1.425 | 101.6 | 0.996 | 230.492 | 336.7 | 520.3 | 0.943 | 460.040A | 10.41 | 0.249 | 169.5 | 72.0 | 29.3 | 0.282 |
| | | 10.98 | 6.47 | 17.44 | TWO | 29.854 | 285.2 | -27.9 | 29.1 | | | | | | | | | | |
| 44990.0 | 49840.0 | 0.445 | 234.8 | -3.7 | 4.80 | 1.424 | 96.7 | 0.996 | 254.100 | 346.6 | 519.9 | 0.971 | 507.229A | -3.08 | 0.250 | 169.3 | 72.7 | 27.2 | 0.282 |
| | | 9.45 | 6.47 | 15.91 | ONE | 29.854 | 285.2 | -27.9 | 28.8 | | | | | | | | | | |
| 45000.0 | 49840.0 | 0.413 | 226.5 | -10.6 | 1.91 | 1.424 | 91.7 | 0.996 | 271.993 | 356.5 | 519.8 | 0.984 | 543.002A | -0.15 | 0.250 | 169.3 | 72.7 | 27.7 | 0.282 |
| | | 8.72 | 6.47 | 15.19 | ONE | 29.854 | 285.2 | -27.9 | 28.7 | | | | | | | | | | |
| 45010.0 | 49840.0 | 0.414 | 219.0 | -10.9 | 1.22 | 1.422 | 86.7 | 0.996 | 280.710 | 6.6 | 159.7 | 0.983D | 560.436A | 0.60 | 0.251 | 169.3 | 72.7 | 27.8 | 0.282 |
| | | 8.74 | 6.47 | 15.21 | ONE | 29.854 | 285.2 | -27.9 | 28.7 | | | | | | | | | | |
| 45020.0 | 49840.0 | 0.441 | 212.5 | -10.0 | 0.92 | 1.421 | 81.6 | 0.997 | 278.621 | 16.9 | 159.9 | 0.967D | 556.276A | 0.95 | 0.250 | 169.4 | 72.6 | 27.8 | 0.282 |
| | | 9.35 | 6.47 | 15.82 | ONE | 29.854 | 285.2 | -27.9 | 28.7 | | | | | | | | | | |
| 45030.0 | 49840.0 | 0.490 | 208.1 | -9.3 | 0.75 | 1.419 | 76.4 | 0.996 | 266.824 | 27.3 | 160.3 | 0.936D | 532.712A | 1.17 | 0.250 | 169.6 | 72.5 | 27.9 | 0.283 |
| | | 10.50 | 6.48 | 16.97 | ONE | 29.854 | 285.2 | -27.9 | 28.9 | | | | | | | | | | |
| 45040.0 | 49840.0 | 0.556 | 205.9 | -9.0 | 0.66 | 1.417 | 71.1 | 0.996 | 248.454 | 37.9 | 160.8 | 0.889D | 496.020A | 1.33 | 0.250 | 169.8 | 72.2 | 27.8 | 0.283 |
| | | 12.10 | 6.48 | 18.58 | ONE | 29.854 | 285.2 | -27.9 | 29.1 | | | | | | | | | | |
| 45050.0 | 49840.0 | 0.634 | 205.7 | -9.3 | 0.60 | 1.415 | 65.8 | 0.996 | 227.155 | 48.6 | 161.6 | 0.828D | 453.482A | 1.45 | 0.249 | 170.1 | 71.8 | 27.8 | 0.283 |
| | | 14.06 | 6.49 | 20.55 | ONE | 29.854 | 285.2 | -27.9 | 29.4 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2450040.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 50040.0 | 0.596 | 235.1 | -22.4 | -1.22 | 1.421 | 111.1 | 0.989 | 75.414 | 317.5 | 522.6 | 0.855 | 149.974A | 2.80 | 0.230 | 169.2 | 71.0 | 27.9 | 0.267 |
| | | 13.10 | 6.24 | 19.34 | TWO | 30.661 | 286.6 | -27.8 | 31.3 | | | | | | | | | | |
| 44970.0 | 50040.0 | 0.531 | 235.1 | -24.9 | -2.00 | 1.422 | 106.4 | 0.989 | 79.052 | 327.0 | 522.0 | 0.905 | 157.200A | 3.63 | 0.232 | 168.9 | 71.4 | 28.1 | 0.267 |
| | | 11.49 | 6.25 | 17.74 | TWO | 30.661 | 286.6 | -27.8 | 31.0 | | | | | | | | | | |
| 44980.0 | 50040.0 | 0.490 | 230.3 | -36.9 | -6.18 | 1.422 | 101.6 | 0.989 | 82.246 | 336.7 | 521.6 | 0.944 | 163.547A | 7.85 | 0.233 | 168.7 | 71.5 | 28.9 | 0.268 |
| | | 10.50 | 6.25 | 16.76 | TWO | 30.661 | 286.6 | -27.8 | 30.8 | | | | | | | | | | |
| 44990.0 | 50040.0 | 0.445 | 235.3 | -1.5 | 5.47 | 1.422 | 96.6 | 0.989 | 84.778 | 346.7 | 521.2 | 0.971 | 168.585A | -3.75 | 0.234 | 168.6 | 72.1 | 27.0 | 0.268 |
| | | 9.46 | 6.25 | 15.71 | ONE | 30.661 | 286.6 | -27.8 | 30.5 | | | | | | | | | | |
| 45000.0 | 50040.0 | 0.410 | 226.4 | -10.5 | 1.92 | 1.421 | 91.7 | 0.989 | 86.465 | 356.6 | 521.1 | 0.984 | 171.945A | -0.16 | 0.234 | 168.6 | 72.1 | 27.6 | 0.268 |
| | | 8.66 | 6.26 | 14.92 | ONE | 30.661 | 286.6 | -27.8 | 30.4 | | | | | | | | | | |
| 45010.0 | 50040.0 | 0.411 | 218.8 | -10.9 | 1.19 | 1.420 | 86.6 | 0.989 | 87.189 | 6.8 | 161.0 | 0.983D | 173.394A | 0.62 | 0.234 | 168.6 | 72.1 | 27.7 | 0.268 |
| | | 8.68 | 6.26 | 14.94 | ONE | 30.661 | 286.6 | -27.8 | 30.4 | | | | | | | | | | |
| 45020.0 | 50040.0 | 0.438 | 212.3 | -10.1 | 0.88 | 1.418 | 81.5 | 0.989 | 86.927 | 17.0 | 161.2 | 0.967D | 172.887A | 0.98 | 0.234 | 168.7 | 72.0 | 27.8 | 0.268 |
| | | 9.29 | 6.26 | 15.55 | ONE | 30.661 | 286.6 | -27.8 | 30.5 | | | | | | | | | | |
| 45030.0 | 50040.0 | 0.487 | 207.9 | -9.3 | 0.72 | 1.417 | 76.4 | 0.989 | 85.756 | 27.4 | 161.6 | 0.936D | 170.576A | 1.20 | 0.234 | 168.8 | 71.9 | 27.8 | 0.268 |
| | | 10.43 | 6.26 | 16.70 | ONE | 30.661 | 286.6 | -27.8 | 30.6 | | | | | | | | | | |
| 45040.0 | 50040.0 | 0.553 | 205.8 | -9.1 | 0.62 | 1.415 | 71.1 | 0.989 | 83.833 | 38.0 | 162.1 | 0.889D | 166.776A | 1.35 | 0.233 | 169.1 | 71.6 | 27.8 | 0.269 |
| | | 12.03 | 6.27 | 18.29 | ONE | 30.661 | 286.6 | -27.8 | 30.9 | | | | | | | | | | |
| 45050.0 | 50040.0 | 0.630 | 205.6 | -9.4 | 0.57 | 1.413 | 65.8 | 0.990 | 81.366 | 48.6 | 162.8 | 0.828D | 161.904A | 1.46 | 0.233 | 169.4 | 71.2 | 27.7 | 0.269 |
| | | 13.97 | 6.27 | 20.25 | ONE | 30.661 | 286.6 | -27.8 | 31.2 | | | | | | | | | | |
| **ARRIVAL DATE = 2450240.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 50240.0 | 0.593 | 235.2 | -22.1 | -1.08 | 1.419 | 111.1 | 0.983 | 50.161 | 317.4 | 523.8 | 0.855 | 99.468A | 2.68 | 0.215 | 168.4 | 70.3 | 27.8 | 0.254 |
| | | 13.03 | 6.06 | 19.09 | TWO | 29.380 | 287.9 | -27.6 | 33.1 | | | | | | | | | | |
| 44970.0 | 50240.0 | 0.528 | 235.3 | -24.2 | -1.73 | 1.419 | 106.3 | 0.982 | 51.667 | 327.0 | 523.2 | 0.905 | 102.309A | 3.37 | 0.217 | 168.2 | 70.7 | 28.0 | 0.254 |
| | | 11.42 | 6.06 | 17.48 | TWO | 29.380 | 287.9 | -27.6 | 32.8 | | | | | | | | | | |
| 44980.0 | 50240.0 | 0.480 | 231.4 | -32.7 | -4.62 | 1.419 | 101.5 | 0.982 | 52.829 | 336.8 | 522.7 | 0.944 | 104.714A | 6.30 | 0.218 | 168.0 | 70.9 | 28.6 | 0.254 |
| | | 10.27 | 6.07 | 16.33 | TWO | 29.380 | 287.9 | -27.6 | 32.5 | | | | | | | | | | |
| 44990.0 | 50240.0 | 0.449 | 236.2 | 1.6 | 6.52 | 1.419 | 96.6 | 0.982 | 53.766 | 346.7 | 522.4 | 0.971 | 106.561A | -4.80 | 0.219 | 167.8 | 71.5 | 26.7 | 0.255 |
| | | 9.54 | 6.07 | 15.61 | ONE | 29.380 | 287.9 | -27.6 | 32.3 | | | | | | | | | | |
| 45000.0 | 50240.0 | 0.408 | 226.4 | -10.4 | 1.94 | 1.418 | 91.7 | 0.982 | 54.369 | 356.7 | 522.3 | 0.984 | 107.754A | -0.17 | 0.219 | 167.8 | 71.5 | 27.5 | 0.255 |
| | | 8.61 | 6.07 | 14.68 | ONE | 29.380 | 287.9 | -27.6 | 32.2 | | | | | | | | | | |
| 45010.0 | 50240.0 | 0.409 | 218.7 | -11.0 | 1.16 | 1.417 | 86.6 | 0.982 | 54.612 | 6.8 | 162.3 | 0.983D | 108.241A | 0.65 | 0.219 | 167.8 | 71.5 | 27.7 | 0.255 |
| | | 8.63 | 6.07 | 14.70 | ONE | 29.380 | 287.9 | -27.6 | 32.2 | | | | | | | | | | |
| 45020.0 | 50240.0 | 0.436 | 212.2 | -10.1 | 0.85 | 1.416 | 81.6 | 0.982 | 54.495 | 17.0 | 162.4 | 0.967D | 108.023A | 1.01 | 0.219 | 167.9 | 71.4 | 27.7 | 0.255 |
| | | 9.24 | 6.07 | 15.31 | ONE | 29.380 | 287.9 | -27.6 | 32.2 | | | | | | | | | | |
| 45030.0 | 50240.0 | 0.485 | 207.9 | -9.4 | 0.68 | 1.414 | 76.4 | 0.983 | 54.042 | 27.4 | 162.7 | 0.936D | 107.148A | 1.22 | 0.219 | 168.1 | 71.2 | 27.7 | 0.255 |
| | | 10.37 | 6.08 | 16.45 | ONE | 29.380 | 287.9 | -27.6 | 32.4 | | | | | | | | | | |
| 45040.0 | 50240.0 | 0.550 | 205.8 | -9.2 | 0.59 | 1.412 | 71.2 | 0.983 | 53.302 | 37.9 | 163.2 | 0.890D | 105.714A | 1.37 | 0.218 | 168.3 | 70.9 | 27.7 | 0.256 |
| | | 11.95 | 6.08 | 18.03 | ONE | 29.380 | 287.9 | -27.6 | 32.6 | | | | | | | | | | |
| 45050.0 | 50240.0 | 0.627 | 205.7 | -9.5 | 0.53 | 1.410 | 65.9 | 0.984 | 52.338 | 48.5 | 163.9 | 0.829D | 103.846A | 1.48 | 0.217 | 168.7 | 70.5 | 27.6 | 0.256 |
| | | 13.88 | 6.09 | 19.97 | ONE | 29.380 | 287.9 | -27.6 | 33.0 | | | | | | | | | | |
| **ARRIVAL DATE = 2450440.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 50440.0 | 0.592 | 235.4 | -21.9 | -0.96 | 1.417 | 111.1 | 0.978 | 38.858 | 317.3 | 524.8 | 0.855 | 76.861A | 2.57 | 0.202 | 167.6 | 69.6 | 27.7 | 0.242 |
| | | 12.99 | 5.90 | 18.89 | TWO | 31.018 | 289.2 | -27.4 | 35.0 | | | | | | | | | | |
| 44970.0 | 50440.0 | 0.526 | 235.6 | -23.6 | -1.49 | 1.417 | 106.3 | 0.977 | 39.649 | 326.9 | 524.3 | 0.905 | 78.394A | 3.14 | 0.203 | 167.4 | 70.0 | 27.9 | 0.242 |
| | | 11.37 | 5.90 | 17.27 | TWO | 31.018 | 289.2 | -27.4 | 34.6 | | | | | | | | | | |
| 44980.0 | 50440.0 | 0.475 | 232.3 | -29.8 | -3.57 | 1.417 | 101.5 | 0.977 | 40.307 | 336.7 | 523.9 | 0.944 | 79.670A | 5.26 | 0.204 | 167.2 | 70.2 | 28.3 | 0.243 |
| | | 10.13 | 5.90 | 16.04 | TWO | 31.018 | 289.2 | -27.4 | 34.4 | | | | | | | | | | |
| 44990.0 | 50440.0 | 0.461 | 237.9 | 7.0 | 8.39 | 1.417 | 96.6 | 0.976 | 40.803 | 346.6 | 523.6 | 0.971 | 80.635A | -6.66 | 0.205 | 167.0 | 70.8 | 26.2 | 0.243 |
| | | 9.80 | 5.91 | 15.71 | ONE | 31.018 | 289.2 | -27.4 | 34.2 | | | | | | | | | | |
| 45000.0 | 50440.0 | 0.406 | 226.5 | -10.4 | 1.95 | 1.416 | 91.7 | 0.976 | 41.116 | 356.6 | 523.4 | 0.984 | 81.249A | -0.18 | 0.205 | 167.0 | 70.8 | 27.4 | 0.243 |
| | | 8.56 | 5.91 | 14.47 | ONE | 31.018 | 289.2 | -27.4 | 34.0 | | | | | | | | | | |
| 45010.0 | 50440.0 | 0.407 | 218.8 | -11.1 | 1.13 | 1.415 | 86.7 | 0.976 | 41.237 | 6.7 | 163.4 | 0.983D | 81.490A | 0.68 | 0.205 | 167.0 | 70.8 | 27.6 | 0.243 |
| | | 8.58 | 5.91 | 14.49 | ONE | 31.018 | 289.2 | -27.4 | 34.0 | | | | | | | | | | |
| 45020.0 | 50440.0 | 0.433 | 212.3 | -10.3 | 0.81 | 1.414 | 81.6 | 0.977 | 41.165 | 17.0 | 163.6 | 0.967D | 81.363A | 1.04 | 0.205 | 167.1 | 70.7 | 27.6 | 0.243 |
| | | 9.18 | 5.91 | 15.09 | ONE | 31.018 | 289.2 | -27.4 | 34.0 | | | | | | | | | | |
| 45030.0 | 50440.0 | 0.482 | 207.9 | -9.5 | 0.65 | 1.412 | 76.5 | 0.977 | 40.914 | 27.3 | 163.9 | 0.936D | 80.891A | 1.25 | 0.205 | 167.3 | 70.5 | 27.6 | 0.243 |
| | | 10.31 | 5.91 | 16.22 | ONE | 31.018 | 289.2 | -27.4 | 34.2 | | | | | | | | | | |
| 45040.0 | 50440.0 | 0.547 | 205.9 | -9.3 | 0.55 | 1.410 | 71.3 | 0.978 | 40.506 | 37.8 | 164.3 | 0.890D | 80.122A | 1.39 | 0.204 | 167.5 | 70.2 | 27.6 | 0.244 |
| | | 11.87 | 5.92 | 17.79 | ONE | 31.018 | 289.2 | -27.4 | 34.5 | | | | | | | | | | |
| 45050.0 | 50440.0 | 0.623 | 205.8 | -9.6 | 0.50 | 1.408 | 66.1 | 0.979 | 39.973 | 48.4 | 164.9 | 0.831D | 79.114A | 1.49 | 0.203 | 167.9 | 69.8 | 27.6 | 0.244 |
| | | 13.78 | 5.92 | 19.71 | ONE | 31.018 | 289.2 | -27.4 | 34.8 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2450640.0 | | | | | | | | | | | |
| 44960.0 | 50640.0 | 0.591 | 235.7 | -21.7 | -0.85 | 1.415 | 111.2 | 0.974 | 32.481 | 317.1 | 525.8 | 0.854 | 64.109A | 2.47 | 0.189 | 166.8 | 68.8 | 27.6 | 0.232 |
| | | 12.97 | 5.76 | 18.73 | TWO | 29.128 | 290.6 | -27.2 | 36.9 | | | | | | | | | | |
| 44970.0 | 50640.0 | 0.525 | 235.9 | -23.2 | -1.29 | 1.416 | 106.4 | 0.973 | 32.990 | 326.8 | 525.3 | 0.904 | 65.076A | 2.95 | 0.190 | 166.5 | 69.2 | 27.8 | 0.232 |
| | | 11.34 | 5.76 | 17.10 | TWO | 29.128 | 290.6 | -27.2 | 36.5 | | | | | | | | | | |
| 44980.0 | 50640.0 | 0.471 | 233.0 | -27.7 | -2.82 | 1.416 | 101.6 | 0.972 | 33.409 | 336.6 | 524.9 | 0.943 | 65.874A | 4.52 | 0.191 | 166.3 | 69.5 | 28.1 | 0.232 |
| | | 10.05 | 5.76 | 15.81 | TWO | 29.128 | 290.6 | -27.2 | 36.2 | | | | | | | | | | |
| 44990.0 | 50640.0 | 0.499 | 241.8 | 17.8 | 12.60 | 1.415 | 96.6 | 0.971 | 33.721 | 346.5 | 524.6 | 0.971 | 66.472A | -10.87 | 0.192 | 166.1 | 70.1 | 25.2 | 0.232 |
| | | 10.71 | 5.77 | 16.48 | ONE | 29.128 | 290.6 | -27.2 | 36.2 | | | | | | | | | | |
| 45000.0 | 50640.0 | 0.404 | 226.7 | -10.3 | 1.97 | 1.414 | 91.7 | 0.971 | 33.917 | 356.5 | 524.5 | 0.984 | 66.849A | -0.20 | 0.192 | 166.1 | 70.1 | 27.3 | 0.232 |
| | | 8.53 | 5.76 | 14.29 | ONE | 29.128 | 290.6 | -27.2 | 35.8 | | | | | | | | | | |
| 45010.0 | 50640.0 | 0.404 | 218.9 | -11.2 | 1.09 | 1.413 | 86.7 | 0.971 | 33.989 | 6.6 | 164.5 | 0.983D | 66.994A | 0.72 | 0.192 | 166.1 | 70.0 | 27.5 | 0.232 |
| | | 8.54 | 5.76 | 14.30 | ONE | 29.128 | 290.6 | -27.2 | 35.8 | | | | | | | | | | |
| 45020.0 | 50640.0 | 0.431 | 212.4 | -10.4 | 0.77 | 1.412 | 81.7 | 0.971 | 33.939 | 16.9 | 164.6 | 0.968D | 66.909A | 1.08 | 0.192 | 166.2 | 69.9 | 27.5 | 0.232 |
| | | 9.13 | 5.77 | 14.89 | ONE | 29.128 | 290.6 | -27.2 | 35.9 | | | | | | | | | | |
| 45030.0 | 50640.0 | 0.479 | 208.1 | -9.7 | 0.61 | 1.410 | 76.6 | 0.972 | 33.774 | 27.2 | 164.9 | 0.937D | 66.611A | 1.27 | 0.192 | 166.4 | 69.7 | 27.5 | 0.232 |
| | | 10.24 | 5.77 | 16.01 | ONE | 29.128 | 290.6 | -27.2 | 36.1 | | | | | | | | | | |
| 45040.0 | 50640.0 | 0.543 | 206.0 | -9.4 | 0.52 | 1.408 | 71.4 | 0.973 | 33.508 | 37.6 | 165.3 | 0.892D | 66.125A | 1.41 | 0.191 | 166.7 | 69.4 | 27.5 | 0.233 |
| | | 11.79 | 5.77 | 17.56 | ONE | 29.128 | 290.6 | -27.2 | 36.3 | | | | | | | | | | |
| 45050.0 | 50640.0 | 0.619 | 205.9 | -9.7 | 0.46 | 1.406 | 66.3 | 0.975 | 33.159 | 48.1 | 165.9 | 0.833D | 65.486A | 1.51 | 0.190 | 167.1 | 69.0 | 27.5 | 0.233 |
| | | 13.68 | 5.78 | 19.46 | ONE | 29.128 | 290.6 | -27.2 | 36.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450840.0 | | | | | | | | | | | |
| 44960.0 | 50840.0 | 0.591 | 236.0 | -21.5 | -0.75 | 1.413 | 111.2 | 0.970 | 28.410 | 316.8 | 526.8 | 0.853 | 55.967A | 2.38 | 0.177 | 165.9 | 68.0 | 27.5 | 0.222 |
| | | 12.97 | 5.63 | 18.60 | TWO | 31.101 | 291.9 | -27.0 | 38.8 | | | | | | | | | | |
| 44970.0 | 50840.0 | 0.525 | 236.3 | -22.8 | -1.11 | 1.414 | 106.5 | 0.969 | 28.770 | 326.5 | 526.3 | 0.903 | 56.637A | 2.78 | 0.178 | 165.6 | 68.4 | 27.6 | 0.222 |
| | | 11.33 | 5.63 | 16.96 | TWO | 31.101 | 291.9 | -27.0 | 38.4 | | | | | | | | | | |
| 44980.0 | 50840.0 | 0.469 | 233.7 | -26.1 | -2.26 | 1.414 | 101.6 | 0.968 | 29.065 | 336.4 | 525.9 | 0.943 | 57.187A | 3.96 | 0.179 | 165.4 | 68.7 | 27.9 | 0.222 |
| | | 10.01 | 5.64 | 15.64 | TWO | 31.101 | 291.9 | -27.0 | 38.1 | | | | | | | | | | |
| 45000.0 | 50840.0 | 0.403 | 227.1 | -10.3 | 1.99 | 1.413 | 91.8 | 0.967 | 29.419 | 356.3 | 525.5 | 0.984 | 57.854A | -0.22 | 0.180 | 165.1 | 69.3 | 27.2 | 0.222 |
| | | 8.50 | 5.64 | 14.13 | ONE | 31.101 | 291.9 | -27.0 | 37.7 | | | | | | | | | | |
| 45010.0 | 50840.0 | 0.403 | 219.2 | -11.5 | 1.05 | 1.412 | 86.8 | 0.967 | 29.467 | 6.4 | 165.5 | 0.984D | 57.951A | 0.76 | 0.180 | 165.2 | 69.3 | 27.4 | 0.222 |
| | | 8.49 | 5.64 | 14.13 | ONE | 31.101 | 291.9 | -27.0 | 37.7 | | | | | | | | | | |
| 45020.0 | 50840.0 | 0.429 | 212.7 | -10.7 | 0.73 | 1.410 | 81.8 | 0.967 | 29.430 | 16.7 | 165.6 | 0.968D | 57.891A | 1.11 | 0.180 | 165.3 | 69.2 | 27.4 | 0.222 |
| | | 9.07 | 5.64 | 14.71 | ONE | 31.101 | 291.9 | -27.0 | 37.8 | | | | | | | | | | |
| 45030.0 | 50840.0 | 0.476 | 208.3 | -9.9 | 0.57 | 1.409 | 76.7 | 0.968 | 29.311 | 27.0 | 165.9 | 0.938D | 57.684A | 1.30 | 0.180 | 165.5 | 69.0 | 27.4 | 0.223 |
| | | 10.17 | 5.64 | 15.81 | ONE | 31.101 | 291.9 | -27.0 | 38.0 | | | | | | | | | | |
| 45040.0 | 50840.0 | 0.540 | 206.2 | -9.6 | 0.48 | 1.407 | 71.6 | 0.969 | 29.120 | 37.4 | 166.3 | 0.893D | 57.347A | 1.43 | 0.179 | 165.8 | 68.6 | 27.4 | 0.223 |
| | | 11.70 | 5.65 | 17.35 | ONE | 31.101 | 291.9 | -27.0 | 38.2 | | | | | | | | | | |
| 45050.0 | 50840.0 | 0.615 | 206.1 | -9.8 | 0.43 | 1.405 | 66.4 | 0.971 | 28.869 | 47.9 | 166.8 | 0.835D | 56.904A | 1.53 | 0.178 | 166.2 | 68.2 | 27.3 | 0.223 |
| | | 13.57 | 5.65 | 19.23 | ONE | 31.101 | 291.9 | -27.0 | 38.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2451040.0 | | | | | | | | | | | |
| 44960.0 | 51040.0 | 0.591 | 236.3 | -21.3 | -0.65 | 1.412 | 111.3 | 0.967 | 25.601 | 316.5 | 527.7 | 0.851 | 50.351A | 2.30 | 0.165 | 164.9 | 67.1 | 27.3 | 0.213 |
| | | 12.98 | 5.53 | 18.51 | TWO | 29.172 | 293.2 | -26.8 | 40.8 | | | | | | | | | | |
| 44970.0 | 51040.0 | 0.525 | 236.7 | -22.4 | -0.95 | 1.413 | 106.6 | 0.965 | 25.873 | 326.3 | 527.2 | 0.902 | 50.844A | 2.63 | 0.167 | 164.6 | 67.6 | 27.5 | 0.213 |
| | | 11.33 | 5.52 | 16.86 | TWO | 29.172 | 293.2 | -26.8 | 40.4 | | | | | | | | | | |
| 44980.0 | 51040.0 | 0.468 | 234.4 | -24.9 | -1.82 | 1.413 | 101.7 | 0.964 | 26.095 | 336.1 | 526.8 | 0.942 | 51.248A | 3.52 | 0.168 | 164.4 | 67.9 | 27.7 | 0.213 |
| | | 9.98 | 5.52 | 15.51 | TWO | 29.172 | 293.2 | -26.8 | 40.1 | | | | | | | | | | |
| 45000.0 | 51040.0 | 0.402 | 227.5 | -10.3 | 2.02 | 1.411 | 91.9 | 0.963 | 26.360 | 356.1 | 526.4 | 0.984 | 51.736A | -0.25 | 0.169 | 164.1 | 68.4 | 27.0 | 0.213 |
| | | 8.48 | 5.52 | 14.00 | ONE | 29.172 | 293.2 | -26.8 | 39.7 | | | | | | | | | | |
| 45010.0 | 51040.0 | 0.401 | 219.5 | -11.7 | 1.00 | 1.410 | 87.0 | 0.963 | 26.396 | 6.2 | 166.4 | 0.984D | 51.807A | 0.80 | 0.169 | 164.1 | 68.4 | 27.3 | 0.213 |
| | | 8.45 | 5.53 | 13.98 | ONE | 29.172 | 293.2 | -26.8 | 39.7 | | | | | | | | | | |
| 45020.0 | 51040.0 | 0.426 | 213.0 | -10.9 | 0.68 | 1.409 | 81.9 | 0.963 | 26.366 | 16.4 | 166.6 | 0.969D | 51.763A | 1.15 | 0.169 | 164.3 | 68.3 | 27.3 | 0.213 |
| | | 9.02 | 5.53 | 14.55 | ONE | 29.172 | 293.2 | -26.8 | 39.7 | | | | | | | | | | |
| 45030.0 | 51040.0 | 0.473 | 208.6 | -10.1 | 0.53 | 1.407 | 76.9 | 0.964 | 26.275 | 26.7 | 166.8 | 0.939D | 51.611A | 1.34 | 0.168 | 164.5 | 68.1 | 27.3 | 0.213 |
| | | 10.10 | 5.53 | 15.63 | ONE | 29.172 | 293.2 | -26.8 | 39.9 | | | | | | | | | | |
| 45040.0 | 51040.0 | 0.536 | 206.5 | -9.8 | 0.44 | 1.405 | 71.8 | 0.966 | 26.129 | 37.1 | 167.2 | 0.895D | 51.364A | 1.46 | 0.168 | 164.8 | 67.8 | 27.3 | 0.214 |
| | | 11.61 | 5.54 | 17.15 | ONE | 29.172 | 293.2 | -26.8 | 40.2 | | | | | | | | | | |
| 45050.0 | 51040.0 | 0.610 | 206.4 | -10.0 | 0.39 | 1.403 | 66.6 | 0.968 | 25.937 | 47.5 | 167.6 | 0.837D | 51.037A | 1.55 | 0.167 | 165.2 | 67.4 | 27.2 | 0.214 |
| | | 13.47 | 5.54 | 19.01 | ONE | 29.172 | 293.2 | -26.8 | 40.6 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2451240.0 | | | | | | | | | | | |
| 44960.0 | 51240.0 | 0.592 | 236.7 | -21.2 | -0.56 | 1.411 | 111.5 | 0.964 | 23.559 | 316.2 | 528.5 | 0.849 | 46.268A | 2.23 | 0.155 | 163.9 | 66.2 | 27.2 | 0.205 |
| | | 13.01 | 5.43 | 18.44 | TWO | 30.885 | 294.5 | -26.6 | 42.8 | | | | | | | | | | |

1982
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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44970.0 | 51240.0 | 0.525<br>11.35 | 237.2<br>5.43 | -22.1<br>16.78 | -0.80<br>TWO | 1.411<br>30.885 | 106.7<br>294.5 | 0.962<br>-26.6 | 23.774<br>42.4 | 325.9 | 528.1 | 0.901 | 46.648A | 2.49 | 0.156 | 163.6 | 66.7 | 27.3 | 0.205 |
| 44980.0 | 51240.0 | 0.468<br>9.98 | 235.1<br>5.43 | -24.0<br>15.41 | -1.46<br>TWO | 1.411<br>30.885 | 101.9<br>294.5 | 0.961<br>-26.6 | 23.950<br>42.0 | 335.8 | 527.7 | 0.941 | 46.958A | 3.18 | 0.157 | 163.3 | 67.0 | 27.6 | 0.205 |
| 44990.0 | 51240.0 | 0.470<br>10.03 | 222.9<br>5.44 | -48.7<br>15.46 | -9.86<br>TWO | 1.411<br>30.885 | 97.0<br>294.5 | 0.960<br>-26.6 | 24.079<br>42.0 | 345.7 | 527.5 | 0.969 | 47.189A | 11.60 | 0.158 | 163.1 | 66.7 | 29.4 | 0.205 |
| 45000.0 | 51240.0 | 0.401<br>8.46 | 228.0<br>5.43 | -10.4<br>13.88 | 2.06<br>ONE | 1.410<br>30.885 | 92.1<br>294.5 | 0.959<br>-26.6 | 24.158<br>41.7 | 355.8 | 527.3 | 0.984 | 47.333A | -0.29 | 0.158 | 163.1 | 67.6 | 26.9 | 0.205 |
| 45010.0 | 51240.0 | 0.399<br>8.42 | 220.0<br>5.43 | -12.1<br>13.84 | 0.95<br>ONE | 1.409<br>30.885 | 87.1<br>294.5 | 0.959<br>-26.6 | 24.186<br>41.6 | 5.9 | 167.3 | 0.984D | 47.387A | 0.85 | 0.158 | 163.1 | 67.6 | 27.1 | 0.205 |
| 45020.0 | 51240.0 | 0.424<br>8.96 | 213.4<br>5.43 | -11.2<br>14.39 | 0.63<br>ONE | 1.408<br>30.885 | 82.1<br>294.5 | 0.960<br>-26.6 | 24.162<br>41.7 | 16.1 | 167.4 | 0.970D | 47.354A | 1.20 | 0.158 | 163.2 | 67.5 | 27.2 | 0.205 |
| 45030.0 | 51240.0 | 0.470<br>10.02 | 208.9<br>5.43 | -10.4<br>15.46 | 0.48<br>ONE | 1.406<br>30.885 | 77.1<br>294.5 | 0.961<br>-26.6 | 24.089<br>41.9 | 26.4 | 167.7 | 0.940D | 47.238A | 1.37 | 0.158 | 163.4 | 67.3 | 27.2 | 0.205 |
| 45040.0 | 51240.0 | 0.532<br>11.52 | 206.8<br>5.44 | -10.0<br>16.95 | 0.40<br>ONE | 1.404<br>30.885 | 72.0<br>294.5 | 0.963<br>-26.6 | 23.973<br>42.2 | 36.7 | 168.0 | 0.897D | 47.049A | 1.48 | 0.157 | 163.7 | 66.9 | 27.2 | 0.206 |
| 45050.0 | 51240.0 | 0.606<br>13.35 | 206.7<br>5.44 | -10.2<br>18.80 | 0.35<br>ONE | 1.402<br>30.885 | 66.9<br>294.5 | 0.965<br>-26.6 | 23.819<br>42.5 | 47.1 | 168.5 | 0.840D | 46.799A | 1.56 | 0.156 | 164.2 | 66.5 | 27.1 | 0.206 |
| ARRIVAL DATE = 2451440.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 51440.0 | 0.594<br>13.05 | 237.2<br>5.34 | -21.1<br>18.40 | -0.48<br>TWO | 1.410<br>29.497 | 111.6<br>295.8 | 0.962<br>-26.3 | 22.017<br>44.9 | 315.8 | 529.3 | 0.847 | 43.187A | 2.15 | 0.145 | 162.8 | 65.3 | 27.0 | 0.198 |
| 44970.0 | 51440.0 | 0.527<br>11.38 | 237.7<br>5.34 | -21.9<br>16.72 | -0.67<br>TWO | 1.410<br>29.497 | 106.8<br>295.8 | 0.959<br>-26.3 | 22.193<br>44.4 | 325.6 | 528.9 | 0.899 | 43.488A | 2.37 | 0.146 | 162.4 | 65.7 | 27.2 | 0.197 |
| 44980.0 | 51440.0 | 0.469<br>9.99 | 235.8<br>5.34 | -23.3<br>15.33 | -1.17<br>TWO | 1.410<br>29.497 | 102.0<br>295.8 | 0.958<br>-26.3 | 22.337<br>44.1 | 335.4 | 528.6 | 0.940 | 43.734A | 2.89 | 0.147 | 162.2 | 66.1 | 27.4 | 0.197 |
| 44990.0 | 51440.0 | 0.437<br>9.26 | 228.2<br>5.34 | -35.4<br>14.60 | -5.18<br>TWO | 1.410<br>29.497 | 97.1<br>295.8 | 0.957<br>-26.3 | 22.443<br>43.9 | 345.4 | 528.3 | 0.968 | 43.917A | 6.93 | 0.148 | 162.0 | 66.1 | 28.3 | 0.197 |
| 45000.0 | 51440.0 | 0.401<br>8.45 | 228.7<br>5.34 | -10.3<br>13.79 | 2.11<br>ONE | 1.409<br>29.497 | 92.2<br>295.8 | 0.956<br>-26.3 | 22.507<br>43.7 | 355.4 | 528.2 | 0.984 | 44.031A | -0.33 | 0.148 | 161.9 | 66.7 | 26.7 | 0.197 |
| 45010.0 | 51440.0 | 0.398<br>8.38 | 220.5<br>5.34 | -12.4<br>13.72 | 0.89<br>ONE | 1.408<br>29.497 | 87.3<br>295.8 | 0.956<br>-26.3 | 22.530<br>43.6 | 5.6 | 168.2 | 0.984D | 44.076A | 0.91 | 0.148 | 161.9 | 66.7 | 27.0 | 0.197 |
| 45020.0 | 51440.0 | 0.421<br>8.91 | 213.9<br>5.34 | -11.6<br>14.25 | 0.58<br>ONE | 1.407<br>29.497 | 82.3<br>295.8 | 0.957<br>-26.3 | 22.510<br>43.7 | 15.8 | 168.3 | 0.970D | 44.050A | 1.24 | 0.148 | 162.0 | 66.6 | 27.1 | 0.197 |
| 45030.0 | 51440.0 | 0.467<br>9.95 | 209.4<br>5.35 | -10.6<br>15.29 | 0.44<br>ONE | 1.405<br>29.497 | 77.3<br>295.8 | 0.958<br>-26.3 | 22.451<br>43.9 | 26.0 | 168.5 | 0.942D | 43.960A | 1.41 | 0.148 | 162.2 | 66.4 | 27.1 | 0.198 |
| 45040.0 | 51440.0 | 0.528<br>11.42 | 207.2<br>5.35 | -10.2<br>16.77 | 0.36<br>ONE | 1.403<br>29.497 | 72.2<br>295.8 | 0.960<br>-26.3 | 22.355<br>44.2 | 36.3 | 168.8 | 0.899D | 43.811A | 1.51 | 0.147 | 162.6 | 66.0 | 27.0 | 0.198 |
| 45050.0 | 51440.0 | 0.601<br>13.24 | 207.0<br>5.36 | -10.4<br>18.59 | 0.31<br>ONE | 1.401<br>29.497 | 67.1<br>295.8 | 0.962<br>-26.3 | 22.228<br>44.6 | 46.7 | 169.2 | 0.843D | 43.613A | 1.58 | 0.146 | 163.0 | 65.6 | 26.9 | 0.199 |
| ARRIVAL DATE = 2451640.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 51640.0 | 0.596<br>13.11 | 237.6<br>5.27 | -21.0<br>18.38 | -0.40<br>TWO | 1.409<br>30.434 | 111.8<br>297.1 | 0.959<br>-26.1 | 20.819<br>46.9 | 315.4 | 530.1 | 0.845 | 40.793A | 2.09 | 0.136 | 161.6 | 64.3 | 26.8 | 0.191 |
| 44970.0 | 51640.0 | 0.528<br>11.42 | 238.2<br>5.27 | -21.7<br>16.68 | -0.55<br>TWO | 1.409<br>30.434 | 107.0<br>297.1 | 0.957<br>-26.1 | 20.968<br>46.5 | 325.2 | 529.7 | 0.897 | 41.038A | 2.26 | 0.137 | 161.2 | 64.8 | 27.0 | 0.191 |
| 44980.0 | 51640.0 | 0.470<br>10.01 | 236.5<br>5.26 | -22.7<br>15.28 | -0.93<br>TWO | 1.409<br>30.434 | 102.2<br>297.1 | 0.955<br>-26.1 | 21.088<br>46.1 | 335.0 | 529.3 | 0.939 | 41.238A | 2.66 | 0.138 | 161.0 | 65.1 | 27.2 | 0.190 |
| 44990.0 | 51640.0 | 0.429<br>9.08 | 230.6<br>5.26 | -29.3<br>14.34 | -3.18<br>TWO | 1.409<br>30.434 | 97.3<br>297.1 | 0.954<br>-26.1 | 21.177<br>45.9 | 345.0 | 529.1 | 0.968 | 41.387A | 4.93 | 0.139 | 160.8 | 65.3 | 27.7 | 0.190 |
| 45000.0 | 51640.0 | 0.400<br>8.44 | 229.4<br>5.26 | -10.3<br>13.70 | 2.17<br>ONE | 1.408<br>30.434 | 92.4<br>297.1 | 0.954<br>-26.1 | 21.232<br>45.7 | 355.1 | 529.0 | 0.983 | 41.481A | -0.40 | 0.139 | 160.7 | 65.8 | 26.5 | 0.190 |
| 45010.0 | 51640.0 | 0.396<br>8.35 | 221.1<br>5.26 | -12.9<br>13.62 | 0.82<br>ONE | 1.407<br>30.434 | 87.5<br>297.1 | 0.954<br>-26.1 | 21.251<br>45.7 | 5.2 | 169.0 | 0.985D | 41.518A | 0.97 | 0.139 | 160.7 | 65.7 | 26.9 | 0.190 |
| 45020.0 | 51640.0 | 0.419<br>8.85 | 214.4<br>5.27 | -11.9<br>14.12 | 0.52<br>ONE | 1.406<br>30.434 | 82.5<br>297.1 | 0.954<br>-26.1 | 21.235<br>45.7 | 15.4 | 169.1 | 0.971D | 41.499A | 1.30 | 0.139 | 160.8 | 65.6 | 26.9 | 0.190 |
| 45030.0 | 51640.0 | 0.464<br>9.87 | 209.8<br>5.27 | -11.0<br>15.14 | 0.39<br>ONE | 1.404<br>30.434 | 77.5<br>297.1 | 0.955<br>-26.1 | 21.185<br>45.9 | 25.6 | 169.3 | 0.943D | 41.426A | 1.45 | 0.139 | 161.0 | 65.4 | 26.9 | 0.191 |
| 45040.0 | 51640.0 | 0.524<br>11.32 | 207.6<br>5.27 | -10.5<br>16.60 | 0.32<br>ONE | 1.402<br>30.434 | 72.5<br>297.1 | 0.957<br>-26.1 | 21.104<br>46.2 | 35.9 | 169.5 | 0.901D | 41.307A | 1.54 | 0.138 | 161.4 | 65.1 | 26.9 | 0.191 |
| 45050.0 | 51640.0 | 0.597<br>13.12 | 207.4<br>5.28 | -10.6<br>18.40 | 0.28<br>ONE | 1.400<br>30.434 | 67.4<br>297.1 | 0.960<br>-26.1 | 20.997<br>46.6 | 46.2 | 169.9 | 0.846D | 41.147A | 1.61 | 0.137 | 161.8 | 64.7 | 26.8 | 0.192 |
| ARRIVAL DATE = 2451840.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 51840.0 | 0.599<br>13.17 | 238.1<br>5.20 | -20.9<br>18.38 | -0.33<br>TWO | 1.408<br>30.004 | 112.0<br>298.4 | 0.958<br>-25.8 | 19.868<br>49.0 | 314.9 | 530.8 | 0.842 | 38.894A | 2.03 | 0.127 | 160.4 | 63.3 | 26.6 | 0.185 |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44970.0 | 51840.0 | 0.530 | 238.8 | -21.5 | -0.44 | 1.409 | 107.2 | 0.955 | 19.996 | 324.7 | 530.4 | 0.895 | 39.097A | 2.16 | 0.128 | 160.0 | 63.8 | 26.8 | 0.184 |
| | | 11.47 | 5.20 | 16.67 | TWO | 30.004 | 298.4 | -25.8 | 48.6 | | | | | | | | | | |
| 44980.0 | 51840.0 | 0.471 | 237.3 | -22.2 | -0.72 | 1.409 | 102.4 | 0.953 | 20.100 | 334.6 | 530.1 | 0.937 | 39.263A | 2.46 | 0.129 | 159.6 | 64.2 | 26.9 | 0.184 |
| | | 10.04 | 5.20 | 15.24 | TWO | 30.004 | 298.4 | -25.8 | 48.2 | | | | | | | | | | |
| 44990.0 | 51840.0 | 0.427 | 232.3 | -26.0 | -2.08 | 1.408 | 97.5 | 0.952 | 20.177 | 344.6 | 529.9 | 0.967 | 39.386A | 3.83 | 0.130 | 159.4 | 64.4 | 27.3 | 0.184 |
| | | 9.03 | 5.20 | 14.23 | TWO | 30.004 | 298.4 | -25.8 | 48.0 | | | | | | | | | | |
| 45000.0 | 51840.0 | 0.400 | 230.2 | -10.2 | 2.27 | 1.407 | 92.6 | 0.951 | 20.224 | 354.6 | 529.8 | 0.983 | 39.465A | -0.50 | 0.130 | 159.3 | 64.8 | 26.3 | 0.184 |
| | | 8.44 | 5.19 | 13.64 | ONE | 30.004 | 298.4 | -25.8 | 47.8 | | | | | | | | | | |
| 45010.0 | 51840.0 | 0.395 | 221.7 | -13.3 | 0.74 | 1.406 | 87.7 | 0.951 | 20.241 | 4.7 | 169.7 | 0.985D | 39.496A | 1.05 | 0.131 | 159.3 | 64.8 | 26.7 | 0.184 |
| | | 8.32 | 5.19 | 13.52 | ONE | 30.004 | 298.4 | -25.8 | 47.7 | | | | | | | | | | |
| 45020.0 | 51840.0 | 0.417 | 215.0 | -12.4 | 0.45 | 1.405 | 82.7 | 0.952 | 20.227 | 14.9 | 169.8 | 0.972D | 39.482A | 1.35 | 0.130 | 159.5 | 64.7 | 26.8 | 0.184 |
| | | 8.80 | 5.20 | 14.00 | ONE | 30.004 | 298.4 | -25.8 | 47.8 | | | | | | | | | | |
| 45030.0 | 51840.0 | 0.460 | 210.4 | -11.3 | 0.33 | 1.403 | 77.7 | 0.953 | 20.184 | 25.1 | 170.0 | 0.945D | 39.423A | 1.49 | 0.130 | 159.7 | 64.5 | 26.8 | 0.184 |
| | | 9.79 | 5.20 | 14.99 | ONE | 30.004 | 298.4 | -25.8 | 48.0 | | | | | | | | | | |
| 45040.0 | 51840.0 | 0.520 | 208.0 | -10.8 | 0.27 | 1.401 | 72.7 | 0.955 | 20.115 | 35.4 | 170.3 | 0.904D | 39.326A | 1.57 | 0.129 | 160.0 | 64.2 | 26.7 | 0.185 |
| | | 11.22 | 5.21 | 16.43 | ONE | 30.004 | 298.4 | -25.8 | 48.3 | | | | | | | | | | |
| 45050.0 | 51840.0 | 0.592 | 207.8 | -10.9 | 0.23 | 1.399 | 67.7 | 0.958 | 20.022 | 45.7 | 170.6 | 0.849D | 39.195A | 1.63 | 0.128 | 160.5 | 63.7 | 26.6 | 0.186 |
| | | 12.99 | 5.21 | 18.21 | ONE | 30.004 | 298.4 | -25.8 | 48.6 | | | | | | | | | | |
| ARRIVAL DATE = 2452040.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 52040.0 | 0.602 | 238.6 | -20.9 | -0.26 | 1.407 | 112.3 | 0.956 | 19.100 | 314.4 | 531.5 | 0.839 | 37.361A | 1.97 | 0.119 | 159.0 | 62.3 | 26.4 | 0.179 |
| | | 13.25 | 5.15 | 18.40 | TWO | 29.880 | 299.7 | -25.5 | 51.2 | | | | | | | | | | |
| 44970.0 | 52040.0 | 0.533 | 239.4 | -21.4 | -0.34 | 1.408 | 107.5 | 0.954 | 19.212 | 324.2 | 531.1 | 0.893 | 37.532A | 2.07 | 0.120 | 158.6 | 62.8 | 26.6 | 0.179 |
| | | 11.53 | 5.14 | 16.67 | TWO | 29.880 | 299.7 | -25.5 | 50.7 | | | | | | | | | | |
| 44980.0 | 52040.0 | 0.473 | 238.1 | -21.8 | -0.54 | 1.408 | 102.6 | 0.952 | 19.303 | 334.1 | 530.8 | 0.935 | 37.671A | 2.29 | 0.121 | 158.2 | 63.2 | 26.7 | 0.178 |
| | | 10.09 | 5.14 | 15.22 | TWO | 29.880 | 299.7 | -25.5 | 50.3 | | | | | | | | | | |
| 44990.0 | 52040.0 | 0.427 | 233.7 | -23.9 | -1.37 | 1.407 | 97.7 | 0.950 | 19.371 | 344.1 | 530.6 | 0.966 | 37.775A | 3.13 | 0.122 | 158.0 | 63.4 | 27.0 | 0.178 |
| | | 9.03 | 5.14 | 14.16 | TWO | 29.880 | 299.7 | -25.5 | 50.0 | | | | | | | | | | |
| 45000.0 | 52040.0 | 0.401 | 231.1 | -9.8 | 2.43 | 1.407 | 92.8 | 0.949 | 19.412 | 354.2 | 530.5 | 0.983 | 37.842A | -0.66 | 0.122 | 157.9 | 63.8 | 26.1 | 0.178 |
| | | 8.45 | 5.13 | 13.59 | ONE | 29.880 | 299.7 | -25.5 | 49.9 | | | | | | | | | | |
| 45010.0 | 52040.0 | 0.394 | 222.4 | -13.9 | 0.65 | 1.406 | 87.9 | 0.949 | 19.427 | 4.3 | 170.5 | 0.985D | 37.869A | 1.13 | 0.122 | 157.9 | 63.8 | 26.6 | 0.178 |
| | | 8.30 | 5.13 | 13.43 | ONE | 29.880 | 299.7 | -25.5 | 49.8 | | | | | | | | | | |
| 45020.0 | 52040.0 | 0.414 | 215.7 | -12.8 | 0.38 | 1.404 | 83.0 | 0.950 | 19.416 | 14.4 | 170.5 | 0.973D | 37.859A | 1.42 | 0.122 | 158.0 | 63.7 | 26.6 | 0.178 |
| | | 8.75 | 5.14 | 13.89 | ONE | 29.880 | 299.7 | -25.5 | 49.9 | | | | | | | | | | |
| 45030.0 | 52040.0 | 0.457 | 210.9 | -11.7 | 0.28 | 1.402 | 78.0 | 0.951 | 19.379 | 24.7 | 170.7 | 0.947D | 37.811A | 1.54 | 0.122 | 158.3 | 63.5 | 26.6 | 0.179 |
| | | 9.72 | 5.14 | 14.86 | ONE | 29.880 | 299.7 | -25.5 | 50.1 | | | | | | | | | | |
| 45040.0 | 52040.0 | 0.516 | 208.6 | -11.1 | 0.22 | 1.400 | 73.0 | 0.953 | 19.319 | 34.9 | 170.9 | 0.906D | 37.731A | 1.61 | 0.121 | 158.6 | 63.2 | 26.5 | 0.179 |
| | | 11.12 | 5.15 | 16.27 | ONE | 29.880 | 299.7 | -25.5 | 50.3 | | | | | | | | | | |
| 45050.0 | 52040.0 | 0.587 | 208.2 | -11.1 | 0.19 | 1.398 | 67.9 | 0.956 | 19.238 | 45.2 | 171.3 | 0.853D | 37.623A | 1.65 | 0.120 | 159.1 | 62.8 | 26.5 | 0.180 |
| | | 12.87 | 5.15 | 18.02 | ONE | 29.880 | 299.7 | -25.5 | 50.7 | | | | | | | | | | |
| ARRIVAL DATE = 2452240.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 52240.0 | 0.605 | 239.2 | -20.8 | -0.19 | 1.407 | 112.5 | 0.955 | 18.472 | 313.8 | 532.1 | 0.836 | 36.107A | 1.92 | 0.111 | 157.5 | 61.3 | 26.2 | 0.174 |
| | | 13.34 | 5.09 | 18.43 | TWO | 30.535 | 301.0 | -25.2 | 53.3 | | | | | | | | | | |
| 44970.0 | 52240.0 | 0.536 | 240.1 | -21.2 | -0.25 | 1.407 | 107.7 | 0.952 | 18.571 | 323.7 | 531.8 | 0.890 | 36.252A | 1.99 | 0.112 | 157.1 | 61.8 | 26.4 | 0.174 |
| | | 11.60 | 5.09 | 16.69 | TWO | 30.535 | 301.0 | -25.2 | 52.8 | | | | | | | | | | |
| 44980.0 | 52240.0 | 0.475 | 238.8 | -21.5 | -0.39 | 1.407 | 102.9 | 0.950 | 18.652 | 333.6 | 531.5 | 0.933 | 36.371A | 2.14 | 0.113 | 156.7 | 62.2 | 26.5 | 0.173 |
| | | 10.14 | 5.09 | 15.22 | TWO | 30.535 | 301.0 | -25.2 | 52.4 | | | | | | | | | | |
| 44990.0 | 52240.0 | 0.427 | 234.9 | -22.5 | -0.89 | 1.407 | 98.0 | 0.948 | 18.712 | 343.6 | 531.3 | 0.965 | 36.460A | 2.65 | 0.114 | 156.5 | 62.4 | 26.7 | 0.173 |
| | | 9.04 | 5.08 | 14.13 | TWO | 30.535 | 301.0 | -25.2 | 52.2 | | | | | | | | | | |
| 45000.0 | 52240.0 | 0.402 | 232.2 | -9.0 | 2.75 | 1.406 | 93.1 | 0.948 | 18.750 | 353.7 | 531.2 | 0.982 | 36.517A | -0.98 | 0.115 | 156.4 | 62.9 | 25.8 | 0.173 |
| | | 8.48 | 5.08 | 13.56 | ONE | 30.535 | 301.0 | -25.2 | 52.0 | | | | | | | | | | |
| 45010.0 | 52240.0 | 0.393 | 223.2 | -14.5 | 0.54 | 1.405 | 88.2 | 0.947 | 18.764 | 3.8 | 171.2 | 0.986D | 36.542A | 1.24 | 0.115 | 156.4 | 62.8 | 26.4 | 0.173 |
| | | 8.27 | 5.08 | 13.35 | ONE | 30.535 | 301.0 | -25.2 | 51.9 | | | | | | | | | | |
| 45020.0 | 52240.0 | 0.412 | 216.4 | -13.3 | 0.31 | 1.403 | 83.2 | 0.948 | 18.754 | 13.9 | 171.2 | 0.975D | 36.534A | 1.49 | 0.115 | 156.5 | 62.7 | 26.4 | 0.173 |
| | | 8.70 | 5.08 | 13.78 | ONE | 30.535 | 301.0 | -25.2 | 52.0 | | | | | | | | | | |
| 45030.0 | 52240.0 | 0.453 | 211.6 | -12.1 | 0.22 | 1.402 | 78.3 | 0.949 | 18.722 | 24.1 | 171.4 | 0.949D | 36.495A | 1.59 | 0.114 | 156.7 | 62.5 | 26.4 | 0.174 |
| | | 9.64 | 5.09 | 14.72 | ONE | 30.535 | 301.0 | -25.2 | 52.1 | | | | | | | | | | |
| 45040.0 | 52240.0 | 0.512 | 209.1 | -11.4 | 0.17 | 1.400 | 73.3 | 0.951 | 18.669 | 34.4 | 171.6 | 0.909D | 36.428A | 1.64 | 0.114 | 157.1 | 62.2 | 26.4 | 0.174 |
| | | 11.02 | 5.09 | 16.11 | ONE | 30.535 | 301.0 | -25.2 | 52.4 | | | | | | | | | | |
| 45050.0 | 52240.0 | 0.582 | 208.7 | -11.4 | 0.15 | 1.398 | 68.2 | 0.954 | 18.597 | 44.6 | 171.9 | 0.856D | 36.338A | 1.68 | 0.113 | 157.6 | 61.8 | 26.3 | 0.175 |
| | | 12.74 | 5.10 | 17.84 | ONE | 30.535 | 301.0 | -25.2 | 52.8 | | | | | | | | | | |
| ARRIVAL DATE = 2452440.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 52440.0 | 0.609 | 239.7 | -20.8 | -0.13 | 1.406 | 112.8 | 0.954 | 17.952 | 313.3 | 532.7 | 0.833 | 35.071A | 1.87 | 0.104 | 155.9 | 60.2 | 26.0 | 0.170 |
| | | 13.43 | 5.05 | 18.48 | TWO | 29.384 | 302.2 | -24.9 | 55.4 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44970.0 | 52440.0 | 0.539 | 240.7 | -21.1 | -0.17 | 1.407 | 108.0 | 0.951 | 18.041 | 323.1 | 532.4 | 0.887 | 35.195A | 1.92 | 0.105 | 155.4 | 60.7 | 26.1 | 0.169 |
| | | 11.68 | 5.04 | 16.72 | TWO | 29.384 | 302.2 | -24.9 | 55.0 | | | | | | | | | | |
| 44980.0 | 52440.0 | 0.477 | 239.7 | -21.3 | -0.25 | 1.407 | 103.1 | 0.949 | 18.114 | 333.1 | 532.1 | 0.931 | 35.297A | 2.01 | 0.106 | 155.1 | 61.2 | 26.3 | 0.169 |
| | | 10.20 | 5.04 | 15.24 | TWO | 29.384 | 302.2 | -24.9 | 54.6 | | | | | | | | | | |
| 44990.0 | 52440.0 | 0.429 | 236.0 | -21.5 | -0.53 | 1.406 | 98.2 | 0.947 | 18.169 | 343.1 | 532.0 | 0.963 | 35.374A | 2.29 | 0.107 | 154.8 | 61.4 | 26.4 | 0.168 |
| | | 9.08 | 5.04 | 14.11 | TWO | 29.384 | 302.2 | -24.9 | 54.3 | | | | | | | | | | |
| 45000.0 | 52440.0 | 0.406 | 233.9 | -6.2 | 3.67 | 1.405 | 93.3 | 0.946 | 18.203 | 353.1 | 531.8 | 0.982 | 35.424A | -1.90 | 0.107 | 154.7 | 61.9 | 25.3 | 0.168 |
| | | 8.56 | 5.03 | 13.59 | ONE | 29.384 | 302.2 | -24.9 | 54.1 | | | | | | | | | | |
| 45010.0 | 52440.0 | 0.392 | 224.0 | -15.2 | 0.41 | 1.404 | 88.4 | 0.946 | 18.216 | 3.2 | 171.8 | 0.9860 | 35.446A | 1.37 | 0.108 | 154.7 | 61.8 | 26.2 | 0.168 |
| | | 8.25 | 5.03 | 13.29 | ONE | 29.384 | 302.2 | -24.9 | 54.0 | | | | | | | | | | |
| 45020.0 | 52440.0 | 0.410 | 217.1 | -13.9 | 0.22 | 1.403 | 83.5 | 0.946 | 18.208 | 13.4 | 171.9 | 0.9760 | 35.440A | 1.56 | 0.108 | 154.8 | 61.7 | 26.3 | 0.169 |
| | | 8.65 | 5.04 | 13.68 | ONE | 29.384 | 302.2 | -24.9 | 54.1 | | | | | | | | | | |
| 45030.0 | 52440.0 | 0.450 | 212.2 | -12.5 | 0.16 | 1.401 | 78.5 | 0.948 | 18.179 | 23.6 | 172.0 | 0.9510 | 35.408A | 1.64 | 0.107 | 155.0 | 61.5 | 26.2 | 0.169 |
| | | 9.56 | 5.04 | 14.60 | ONE | 29.384 | 302.2 | -24.9 | 54.2 | | | | | | | | | | |
| 45040.0 | 52440.0 | 0.507 | 209.7 | -11.8 | 0.12 | 1.399 | 73.6 | 0.950 | 18.132 | 33.8 | 172.2 | 0.9120 | 35.352A | 1.68 | 0.106 | 155.4 | 61.2 | 26.2 | 0.169 |
| | | 10.91 | 5.05 | 15.96 | ONE | 29.384 | 302.2 | -24.9 | 54.5 | | | | | | | | | | |
| 45050.0 | 52440.0 | 0.577 | 209.2 | -11.7 | 0.10 | 1.397 | 68.6 | 0.952 | 18.068 | 44.0 | 172.5 | 0.8600 | 35.276A | 1.71 | 0.106 | 155.9 | 60.8 | 26.1 | 0.170 |
| | | 12.61 | 5.05 | 17.67 | ONE | 29.384 | 302.2 | -24.9 | 54.9 | | | | | | | | | | |

ARRIVAL DATE = 2452640.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44960.0 | 52640.0 | 0.613 | 240.3 | -20.8 | -0.07 | 1.406 | 113.1 | 0.953 | 17.518 | 312.7 | 533.3 | 0.829 | 34.207A | 1.83 | 0.097 | 154.2 | 59.2 | 25.8 | 0.166 |
| | | 13.54 | 5.01 | 18.55 | TWO | 30.923 | 303.5 | -24.6 | 57.6 | | | | | | | | | | |
| 44970.0 | 52640.0 | 0.543 | 241.4 | -21.1 | -0.09 | 1.406 | 108.2 | 0.950 | 17.599 | 322.5 | 533.0 | 0.884 | 34.314A | 1.85 | 0.098 | 153.7 | 59.7 | 25.9 | 0.165 |
| | | 11.77 | 5.00 | 16.77 | TWO | 30.923 | 303.5 | -24.6 | 57.1 | | | | | | | | | | |
| 44980.0 | 52640.0 | 0.480 | 240.5 | -21.1 | -0.13 | 1.406 | 103.4 | 0.947 | 17.666 | 332.5 | 532.8 | 0.929 | 34.402A | 1.89 | 0.099 | 153.3 | 60.1 | 26.0 | 0.165 |
| | | 10.26 | 5.00 | 15.26 | TWO | 30.923 | 303.5 | -24.6 | 56.7 | | | | | | | | | | |
| 44990.0 | 52640.0 | 0.431 | 237.1 | -20.9 | -0.26 | 1.406 | 98.5 | 0.946 | 17.716 | 342.5 | 532.6 | 0.962 | 34.469A | 2.02 | 0.100 | 153.0 | 60.5 | 26.1 | 0.164 |
| | | 9.12 | 4.99 | 14.11 | TWO | 30.923 | 303.5 | -24.6 | 56.4 | | | | | | | | | | |
| 45010.0 | 52640.0 | 0.391 | 224.8 | -16.1 | 0.25 | 1.404 | 88.7 | 0.944 | 17.760 | 2.7 | 172.4 | 0.9860 | 34.533A | 1.52 | 0.101 | 152.9 | 60.8 | 26.1 | 0.164 |
| | | 8.23 | 4.99 | 13.23 | ONE | 30.923 | 303.5 | -24.6 | 56.1 | | | | | | | | | | |
| 45020.0 | 52640.0 | 0.407 | 218.0 | -14.5 | 0.13 | 1.402 | 83.8 | 0.945 | 17.753 | 12.8 | 172.5 | 0.9770 | 34.529A | 1.65 | 0.101 | 153.0 | 60.7 | 26.1 | 0.164 |
| | | 8.60 | 4.99 | 13.59 | ONE | 30.923 | 303.5 | -24.6 | 56.2 | | | | | | | | | | |
| 45030.0 | 52640.0 | 0.447 | 213.0 | -13.0 | 0.09 | 1.401 | 78.8 | 0.946 | 17.728 | 23.0 | 172.6 | 0.9530 | 34.503A | 1.70 | 0.100 | 153.2 | 60.5 | 26.1 | 0.165 |
| | | 9.48 | 5.00 | 14.48 | ONE | 30.923 | 303.5 | -24.6 | 56.3 | | | | | | | | | | |
| 45040.0 | 52640.0 | 0.503 | 210.3 | -12.1 | 0.07 | 1.399 | 73.9 | 0.948 | 17.685 | 33.2 | 172.8 | 0.9150 | 34.456A | 1.72 | 0.100 | 153.6 | 60.3 | 26.0 | 0.165 |
| | | 10.80 | 5.00 | 15.81 | ONE | 30.923 | 303.5 | -24.6 | 56.6 | | | | | | | | | | |
| 45050.0 | 52640.0 | 0.571 | 209.7 | -12.0 | 0.06 | 1.397 | 68.9 | 0.951 | 17.627 | 43.4 | 173.0 | 0.8640 | 34.391A | 1.74 | 0.099 | 154.1 | 59.9 | 25.9 | 0.166 |
| | | 12.48 | 5.01 | 17.50 | ONE | 30.923 | 303.5 | -24.6 | 57.0 | | | | | | | | | | |
| 45060.0 | 52640.0 | 0.648 | 210.8 | -12.4 | 0.05 | 1.395 | 63.9 | 0.954 | 17.557 | 53.6 | 173.3 | 0.8010 | 34.313A | 1.75 | 0.098 | 154.8 | 59.4 | 25.8 | 0.167 |
| | | 14.43 | 5.02 | 19.45 | ONE | 30.923 | 303.5 | -24.6 | 57.4 | | | | | | | | | | |

ARRIVAL DATE = 2452840.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44960.0 | 52840.0 | 0.617 | 240.9 | -20.8 | -0.01 | 1.405 | 113.4 | 0.952 | 17.154 | 312.0 | 533.9 | 0.825 | 33.483A | 1.78 | 0.091 | 152.3 | 58.2 | 25.5 | 0.162 |
| | | 13.65 | 4.98 | 18.62 | TWO | 29.091 | 304.8 | -24.3 | 59.7 | | | | | | | | | | |
| 44970.0 | 52840.0 | 0.546 | 242.1 | -21.0 | -0.01 | 1.406 | 108.5 | 0.949 | 17.228 | 321.9 | 533.6 | 0.881 | 33.576A | 1.79 | 0.092 | 151.7 | 58.7 | 25.7 | 0.161 |
| | | 11.86 | 4.97 | 16.83 | TWO | 29.091 | 304.8 | -24.3 | 59.2 | | | | | | | | | | |
| 44980.0 | 52840.0 | 0.483 | 241.4 | -20.9 | -0.02 | 1.406 | 103.7 | 0.946 | 17.290 | 331.9 | 533.3 | 0.927 | 33.652A | 1.79 | 0.093 | 151.3 | 59.1 | 25.8 | 0.161 |
| | | 10.34 | 4.96 | 15.30 | TWO | 29.091 | 304.8 | -24.3 | 58.8 | | | | | | | | | | |
| 44990.0 | 52840.0 | 0.433 | 238.2 | -20.4 | -0.04 | 1.405 | 98.8 | 0.945 | 17.335 | 341.9 | 533.2 | 0.960 | 33.711A | 1.81 | 0.094 | 151.1 | 59.5 | 25.9 | 0.161 |
| | | 9.16 | 4.96 | 14.12 | TWO | 29.091 | 304.8 | -24.3 | 58.5 | | | | | | | | | | |
| 45000.0 | 52840.0 | 0.400 | 232.3 | -20.4 | -0.40 | 1.404 | 93.9 | 0.944 | 17.365 | 351.9 | 533.1 | 0.980 | 33.749A | 2.17 | 0.094 | 150.9 | 59.6 | 26.0 | 0.160 |
| | | 8.44 | 4.96 | 13.39 | TWO | 29.091 | 304.8 | -24.3 | 58.3 | | | | | | | | | | |
| 45010.0 | 52840.0 | 0.390 | 225.6 | -17.0 | 0.05 | 1.403 | 89.0 | 0.943 | 17.377 | 2.1 | 173.0 | 0.9860 | 33.767A | 1.72 | 0.095 | 150.9 | 59.7 | 25.9 | 0.160 |
| | | 8.22 | 4.96 | 13.18 | ONE | 29.091 | 304.8 | -24.3 | 58.3 | | | | | | | | | | |
| 45020.0 | 52840.0 | 0.405 | 218.8 | -15.1 | 0.02 | 1.402 | 84.1 | 0.944 | 17.371 | 12.2 | 173.1 | 0.9780 | 33.765A | 1.75 | 0.095 | 151.0 | 59.7 | 25.9 | 0.160 |
| | | 8.55 | 4.96 | 13.51 | ONE | 29.091 | 304.8 | -24.3 | 58.3 | | | | | | | | | | |
| 45030.0 | 52840.0 | 0.443 | 213.7 | -13.5 | 0.02 | 1.400 | 79.1 | 0.945 | 17.349 | 22.3 | 173.2 | 0.9550 | 33.743A | 1.76 | 0.094 | 151.2 | 59.5 | 25.9 | 0.161 |
| | | 9.40 | 4.96 | 14.36 | ONE | 29.091 | 304.8 | -24.3 | 58.5 | | | | | | | | | | |
| 45040.0 | 52840.0 | 0.498 | 210.9 | -12.5 | 0.01 | 1.398 | 74.2 | 0.947 | 17.311 | 32.5 | 173.3 | 0.9180 | 33.704A | 1.76 | 0.094 | 151.6 | 59.3 | 25.8 | 0.161 |
| | | 10.70 | 4.97 | 15.66 | ONE | 29.091 | 304.8 | -24.3 | 58.7 | | | | | | | | | | |
| 45050.0 | 52840.0 | 0.566 | 210.3 | -12.3 | 0.01 | 1.396 | 69.2 | 0.950 | 17.258 | 42.7 | 173.6 | 0.8670 | 33.649A | 1.77 | 0.093 | 152.1 | 58.9 | 25.7 | 0.162 |
| | | 12.35 | 4.97 | 17.33 | ONE | 29.091 | 304.8 | -24.3 | 59.1 | | | | | | | | | | |
| 45060.0 | 52840.0 | 0.642 | 211.3 | -12.7 | 0.01 | 1.394 | 64.2 | 0.953 | 17.194 | 52.9 | 173.9 | 0.8060 | 33.582A | 1.77 | 0.091 | 152.8 | 58.4 | 25.6 | 0.163 |
| | | 14.28 | 4.98 | 19.27 | ONE | 29.091 | 304.8 | -24.3 | 59.5 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2453040.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 53040.0 | 0.622 | 241.5 | -20.8 | 0.04 | 1.405 | 113.7 | 0.951 | 16.847 | 311.4 | 534.4 | 0.821 | 32.873A | 1.74 | 0.085 | 150.2 | 57.2 | 25.3 | 0.159 |
| | | 13.77 | 4.95 | 18.71 | TWO | 31.050 | 306.0 | -24.0 | 61.9 | | | | | | | | | | |
| 44970.0 | 53040.0 | 0.551 | 242.8 | -21.0 | 0.05 | 1.405 | 108.8 | 0.948 | 16.916 | 321.3 | 534.1 | 0.878 | 32.953A | 1.73 | 0.086 | 149.6 | 57.7 | 25.4 | 0.158 |
| | | 11.96 | 4.94 | 16.90 | TWO | 31.050 | 306.0 | -24.0 | 61.4 | | | | | | | | | | |
| 44980.0 | 53040.0 | 0.487 | 242.2 | -20.8 | 0.08 | 1.405 | 104.0 | 0.946 | 16.972 | 331.2 | 533.9 | 0.924 | 33.020A | 1.70 | 0.087 | 149.2 | 58.1 | 25.5 | 0.158 |
| | | 10.42 | 4.93 | 15.35 | TWO | 31.050 | 306.0 | -24.0 | 61.0 | | | | | | | | | | |
| 44990.0 | 53040.0 | 0.435 | 239.3 | -20.0 | 0.14 | 1.405 | 99.1 | 0.944 | 17.015 | 341.3 | 533.7 | 0.959 | 33.071A | 1.64 | 0.088 | 149.0 | 58.5 | 25.6 | 0.157 |
| | | 9.22 | 4.93 | 14.15 | TWO | 31.050 | 306.0 | -24.0 | 60.7 | | | | | | | | | | |
| 45000.0 | 53040.0 | 0.401 | 234.3 | -16.8 | 0.73 | 1.404 | 94.2 | 0.943 | 17.043 | 351.3 | 533.6 | 0.980 | 33.105A | 1.05 | 0.089 | 148.8 | 58.7 | 25.5 | 0.157 |
| | | 8.46 | 4.92 | 13.39 | TWO | 31.050 | 306.0 | -24.0 | 60.5 | | | | | | | | | | |
| 45010.0 | 53040.0 | 0.390 | 226.5 | -18.3 | -0.21 | 1.403 | 89.3 | 0.942 | 17.054 | 1.4 | 173.6 | 0.987D | 33.122A | 1.99 | 0.089 | 148.8 | 58.7 | 25.8 | 0.157 |
| | | 8.21 | 4.92 | 13.14 | ONE | 31.050 | 306.0 | -24.0 | 60.4 | | | | | | | | | | |
| 45020.0 | 53040.0 | 0.403 | 219.7 | -15.8 | -0.09 | 1.402 | 84.4 | 0.943 | 17.050 | 11.6 | 173.6 | 0.979D | 33.121A | 1.86 | 0.089 | 148.9 | 58.7 | 25.7 | 0.157 |
| | | 8.51 | 4.93 | 13.43 | ONE | 31.050 | 306.0 | -24.0 | 60.4 | | | | | | | | | | |
| 45030.0 | 53040.0 | 0.440 | 214.5 | -14.0 | -0.06 | 1.400 | 79.5 | 0.944 | 17.030 | 21.7 | 173.7 | 0.957D | 33.103A | 1.83 | 0.088 | 149.1 | 58.6 | 25.7 | 0.157 |
| | | 9.32 | 4.93 | 14.25 | ONE | 31.050 | 306.0 | -24.0 | 60.6 | | | | | | | | | | |
| 45040.0 | 53040.0 | 0.494 | 211.6 | -13.0 | -0.05 | 1.398 | 74.5 | 0.946 | 16.995 | 31.9 | 173.9 | 0.921D | 33.070A | 1.81 | 0.088 | 149.5 | 58.3 | 25.6 | 0.158 |
| | | 10.59 | 4.93 | 15.52 | ONE | 31.050 | 306.0 | -24.0 | 60.8 | | | | | | | | | | |
| 45050.0 | 53040.0 | 0.561 | 210.9 | -12.6 | -0.04 | 1.396 | 69.6 | 0.949 | 16.947 | 42.0 | 174.1 | 0.871D | 33.023A | 1.80 | 0.087 | 150.0 | 58.0 | 25.5 | 0.159 |
| | | 12.22 | 4.94 | 17.16 | ONE | 31.050 | 306.0 | -24.0 | 61.1 | | | | | | | | | | |
| 45060.0 | 53040.0 | 0.636 | 211.8 | -13.0 | -0.03 | 1.394 | 64.6 | 0.952 | 16.888 | 52.2 | 174.3 | 0.810D | 32.966A | 1.79 | 0.086 | 150.7 | 57.5 | 25.4 | 0.160 |
| | | 14.13 | 4.95 | 19.08 | ONE | 31.050 | 306.0 | -24.0 | 61.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2453240.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 53240.0 | 0.627 | 242.1 | -20.8 | 0.09 | 1.405 | 114.0 | 0.951 | 16.587 | 310.7 | 534.9 | 0.817 | 32.357A | 1.70 | 0.079 | 147.9 | 56.2 | 25.0 | 0.156 |
| | | 13.89 | 4.92 | 18.81 | TWO | 29.086 | 307.3 | -23.6 | 64.0 | | | | | | | | | | |
| 44970.0 | 53240.0 | 0.555 | 243.6 | -20.9 | 0.12 | 1.405 | 109.1 | 0.947 | 16.651 | 320.6 | 534.6 | 0.875 | 32.427A | 1.67 | 0.080 | 147.4 | 56.7 | 25.2 | 0.155 |
| | | 12.07 | 4.91 | 16.98 | TWO | 29.086 | 307.3 | -23.6 | 63.5 | | | | | | | | | | |
| 44980.0 | 53240.0 | 0.490 | 243.1 | -20.7 | 0.16 | 1.405 | 104.3 | 0.945 | 16.703 | 330.6 | 534.4 | 0.922 | 32.485A | 1.62 | 0.082 | 146.9 | 57.2 | 25.3 | 0.155 |
| | | 10.51 | 4.90 | 15.41 | TWO | 29.086 | 307.3 | -23.6 | 63.1 | | | | | | | | | | |
| 44990.0 | 53240.0 | 0.438 | 240.3 | -19.7 | 0.28 | 1.405 | 99.4 | 0.943 | 16.744 | 340.6 | 534.3 | 0.957 | 32.530A | 1.50 | 0.083 | 146.7 | 57.5 | 25.3 | 0.154 |
| | | 9.28 | 4.90 | 14.18 | TWO | 29.086 | 307.3 | -23.6 | 62.8 | | | | | | | | | | |
| 45000.0 | 53240.0 | 0.403 | 235.7 | -15.9 | 1.08 | 1.404 | 94.5 | 0.942 | 16.770 | 350.7 | 534.2 | 0.979 | 32.561A | 0.69 | 0.083 | 146.5 | 57.8 | 25.2 | 0.154 |
| | | 8.50 | 4.90 | 13.40 | TWO | 29.086 | 307.3 | -23.6 | 62.6 | | | | | | | | | | |
| 45010.0 | 53240.0 | 0.389 | 227.3 | -19.8 | -0.57 | 1.403 | 89.6 | 0.941 | 16.781 | 0.8 | 174.1 | 0.987D | 32.576A | 2.34 | 0.083 | 146.5 | 57.7 | 25.7 | 0.154 |
| | | 8.21 | 4.90 | 13.10 | ONE | 29.086 | 307.3 | -23.6 | 62.5 | | | | | | | | | | |
| 45020.0 | 53240.0 | 0.401 | 220.6 | -16.6 | -0.23 | 1.401 | 84.7 | 0.942 | 16.778 | 10.9 | 174.2 | 0.980D | 32.576A | 1.99 | 0.083 | 146.6 | 57.7 | 25.5 | 0.154 |
| | | 8.46 | 4.90 | 13.36 | ONE | 29.086 | 307.3 | -23.6 | 62.5 | | | | | | | | | | |
| 45030.0 | 53240.0 | 0.436 | 215.4 | -14.6 | -0.15 | 1.400 | 79.8 | 0.943 | 16.760 | 21.0 | 174.2 | 0.959D | 32.561A | 1.90 | 0.083 | 146.8 | 57.6 | 25.5 | 0.154 |
| | | 9.25 | 4.90 | 14.15 | ONE | 29.086 | 307.3 | -23.6 | 62.6 | | | | | | | | | | |
| 45040.0 | 53240.0 | 0.489 | 212.4 | -13.4 | -0.11 | 1.398 | 74.9 | 0.945 | 16.728 | 31.2 | 174.4 | 0.924D | 32.533A | 1.86 | 0.082 | 147.2 | 57.4 | 25.4 | 0.155 |
| | | 10.48 | 4.91 | 15.39 | ONE | 29.086 | 307.3 | -23.6 | 62.9 | | | | | | | | | | |
| 45050.0 | 53240.0 | 0.555 | 211.5 | -13.0 | -0.09 | 1.396 | 69.9 | 0.948 | 16.685 | 41.3 | 174.6 | 0.875D | 32.494A | 1.83 | 0.081 | 147.7 | 57.0 | 25.3 | 0.156 |
| | | 12.09 | 4.91 | 17.00 | ONE | 29.086 | 307.3 | -23.6 | 63.2 | | | | | | | | | | |
| 45060.0 | 53240.0 | 0.630 | 212.4 | -13.2 | -0.08 | 1.393 | 65.0 | 0.951 | 16.630 | 51.5 | 174.8 | 0.815D | 32.445A | 1.82 | 0.080 | 148.4 | 56.6 | 25.2 | 0.157 |
| | | 13.97 | 4.92 | 18.89 | ONE | 29.086 | 307.3 | -23.6 | 63.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2453440.0** | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 53440.0 | 0.632 | 242.8 | -20.8 | 0.14 | 1.404 | 114.3 | 0.950 | 16.366 | 310.0 | 535.4 | 0.812 | 31.920A | 1.67 | 0.074 | 145.4 | 55.2 | 24.8 | 0.154 |
| | | 14.03 | 4.90 | 18.93 | TWO | 30.875 | 308.5 | -23.3 | 66.1 | | | | | | | | | | |
| 44970.0 | 53440.0 | 0.560 | 244.3 | -20.9 | 0.18 | 1.405 | 109.5 | 0.947 | 16.426 | 319.9 | 535.1 | 0.871 | 31.981A | 1.62 | 0.075 | 144.9 | 55.8 | 24.9 | 0.153 |
| | | 12.19 | 4.89 | 17.08 | TWO | 30.875 | 308.5 | -23.3 | 65.6 | | | | | | | | | | |
| 44980.0 | 53440.0 | 0.494 | 244.0 | -20.6 | 0.24 | 1.405 | 104.6 | 0.944 | 16.475 | 329.9 | 534.9 | 0.919 | 32.032A | 1.55 | 0.076 | 144.4 | 56.2 | 25.0 | 0.152 |
| | | 10.60 | 4.88 | 15.48 | TWO | 30.875 | 308.5 | -23.3 | 65.2 | | | | | | | | | | |
| 44990.0 | 53440.0 | 0.441 | 241.4 | -19.6 | 0.40 | 1.404 | 99.7 | 0.942 | 16.513 | 339.9 | 534.8 | 0.955 | 32.072A | 1.38 | 0.077 | 144.2 | 56.5 | 25.1 | 0.151 |
| | | 9.35 | 4.88 | 14.22 | TWO | 30.875 | 308.5 | -23.3 | 64.9 | | | | | | | | | | |
| 45000.0 | 53440.0 | 0.405 | 237.0 | -15.5 | 1.26 | 1.403 | 94.8 | 0.941 | 16.538 | 350.0 | 534.7 | 0.978 | 32.099A | 0.52 | 0.078 | 144.0 | 56.8 | 24.9 | 0.151 |
| | | 8.54 | 4.87 | 13.41 | TWO | 30.875 | 308.5 | -23.3 | 64.7 | | | | | | | | | | |
| 45010.0 | 53440.0 | 0.390 | 227.9 | -21.9 | -1.09 | 1.402 | 90.0 | 0.940 | 16.550 | 0.1 | 174.7 | 0.987D | 32.113A | 2.85 | 0.078 | 144.0 | 56.7 | 25.6 | 0.151 |
| | | 8.21 | 4.87 | 13.09 | ONE | 30.875 | 308.5 | -23.3 | 64.6 | | | | | | | | | | |
| 45020.0 | 53440.0 | 0.399 | 221.6 | -17.5 | -0.39 | 1.401 | 85.0 | 0.941 | 16.547 | 10.2 | 174.7 | 0.981D | 32.113A | 2.14 | 0.078 | 144.0 | 56.8 | 25.4 | 0.151 |
| | | 8.42 | 4.87 | 13.30 | ONE | 30.875 | 308.5 | -23.3 | 64.6 | | | | | | | | | | |
| 45030.0 | 53440.0 | 0.433 | 216.3 | -15.2 | -0.24 | 1.399 | 80.1 | 0.942 | 16.531 | 20.3 | 174.7 | 0.961D | 32.101A | 1.99 | 0.078 | 144.3 | 56.7 | 25.3 | 0.152 |
| | | 9.17 | 4.88 | 14.05 | ONE | 30.875 | 308.5 | -23.3 | 64.7 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45040.0 | 53440.0 | 0.485 | 213.1 | -13.9 | -0.18 | 1.397 | 75.2 | 0.944 | 16.502 | 30.5 | 174.9 | 0.927D | 32.078A | 1.91 | 0.077 | 144.6 | 56.4 | 25.2 | 0.152 |
| | | 10.38 | 4.88 | 15.26 | ONE | 30.875 | 308.5 | -23.3 | 64.9 | | | | | | | | | | |
| 45050.0 | 53440.0 | 0.550 | 212.1 | -13.4 | -0.14 | 1.395 | 70.3 | 0.947 | 16.462 | 40.6 | 175.0 | 0.880D | 32.044A | 1.87 | 0.076 | 145.1 | 56.1 | 25.1 | 0.153 |
| | | 11.95 | 4.89 | 16.84 | ONE | 30.875 | 308.5 | -23.3 | 65.2 | | | | | | | | | | |
| 45060.0 | 53440.0 | 0.624 | 212.9 | -13.5 | -0.13 | 1.393 | 65.3 | 0.950 | 16.411 | 50.7 | 175.3 | 0.820D | 32.002A | 1.84 | 0.075 | 145.8 | 55.7 | 24.9 | 0.154 |
| | | 13.81 | 4.90 | 18.71 | ONE | 30.875 | 308.5 | -23.3 | 65.6 | | | | | | | | | | |
| ARRIVAL DATE = 2453640.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 53640.0 | 0.638 | 243.4 | -20.8 | 0.19 | 1.404 | 114.7 | 0.950 | 16.179 | 309.2 | 535.8 | 0.807 | 31.550A | 1.64 | 0.069 | 142.7 | 54.3 | 24.5 | 0.152 |
| | | 14.17 | 4.88 | 19.05 | TWO | 29.374 | 309.8 | -22.9 | 68.2 | | | | | | | | | | |
| 44970.0 | 53640.0 | 0.565 | 245.1 | -20.9 | 0.24 | 1.404 | 109.8 | 0.947 | 16.235 | 319.2 | 535.6 | 0.867 | 31.603A | 1.58 | 0.070 | 142.1 | 54.8 | 24.7 | 0.151 |
| | | 12.31 | 4.87 | 17.18 | TWO | 29.374 | 309.8 | -22.9 | 67.7 | | | | | | | | | | |
| 44980.0 | 53640.0 | 0.499 | 244.9 | -20.6 | 0.32 | 1.404 | 104.9 | 0.944 | 16.282 | 329.2 | 535.4 | 0.916 | 31.647A | 1.48 | 0.072 | 141.7 | 55.3 | 24.8 | 0.150 |
| | | 10.70 | 4.86 | 15.56 | TWO | 29.374 | 309.8 | -22.9 | 67.3 | | | | | | | | | | |
| 44990.0 | 53640.0 | 0.444 | 242.5 | -19.4 | 0.51 | 1.404 | 100.1 | 0.942 | 16.318 | 339.2 | 535.3 | 0.953 | 31.682A | 1.28 | 0.073 | 141.4 | 55.6 | 24.8 | 0.149 |
| | | 9.42 | 4.85 | 14.27 | TWO | 29.374 | 309.8 | -22.9 | 67.0 | | | | | | | | | | |
| 45000.0 | 53640.0 | 0.406 | 238.2 | -15.4 | 1.36 | 1.403 | 95.2 | 0.940 | 16.342 | 349.3 | 535.2 | 0.977 | 31.706A | 0.41 | 0.073 | 141.3 | 55.9 | 24.6 | 0.149 |
| | | 8.58 | 4.85 | 13.43 | TWO | 29.374 | 309.8 | -22.9 | 66.7 | | | | | | | | | | |
| 45010.0 | 53640.0 | 0.391 | 228.4 | -25.0 | -1.89 | 1.402 | 90.3 | 0.940 | 16.353 | 359.4 | 535.2 | 0.987 | 31.719A | 3.66 | 0.074 | 141.2 | 55.7 | 25.6 | 0.149 |
| | | 8.24 | 4.85 | 13.09 | ONE | 29.374 | 309.8 | -22.9 | 66.7 | | | | | | | | | | |
| 45020.0 | 53640.0 | 0.398 | 222.6 | -18.4 | -0.57 | 1.401 | 85.4 | 0.940 | 16.351 | 9.5 | 175.2 | 0.982D | 31.721A | 2.32 | 0.073 | 141.3 | 55.8 | 25.2 | 0.149 |
| | | 8.39 | 4.85 | 13.24 | ONE | 29.374 | 309.8 | -22.9 | 66.7 | | | | | | | | | | |
| 45030.0 | 53640.0 | 0.430 | 217.2 | -15.8 | -0.34 | 1.399 | 80.5 | 0.941 | 16.337 | 19.6 | 175.2 | 0.963D | 31.711A | 2.08 | 0.073 | 141.5 | 55.7 | 25.1 | 0.149 |
| | | 9.10 | 4.85 | 13.95 | ONE | 29.374 | 309.8 | -22.9 | 66.8 | | | | | | | | | | |
| 45040.0 | 53640.0 | 0.480 | 213.9 | -14.3 | -0.25 | 1.397 | 75.6 | 0.943 | 16.311 | 29.8 | 175.3 | 0.930D | 31.691A | 1.97 | 0.072 | 141.9 | 55.5 | 25.0 | 0.150 |
| | | 10.27 | 4.86 | 15.13 | ONE | 29.374 | 309.8 | -22.9 | 67.0 | | | | | | | | | | |
| 45050.0 | 53640.0 | 0.545 | 212.8 | -13.7 | -0.20 | 1.395 | 70.6 | 0.946 | 16.273 | 39.9 | 175.5 | 0.884D | 31.663A | 1.91 | 0.071 | 142.4 | 55.2 | 24.9 | 0.151 |
| | | 11.82 | 4.87 | 16.68 | ONE | 29.374 | 309.8 | -22.9 | 67.3 | | | | | | | | | | |
| 45060.0 | 53640.0 | 0.618 | 213.5 | -13.8 | -0.17 | 1.393 | 65.7 | 0.949 | 16.226 | 50.0 | 175.7 | 0.825D | 31.627A | 1.87 | 0.070 | 143.0 | 54.8 | 24.7 | 0.152 |
| | | 13.66 | 4.88 | 18.53 | ONE | 29.374 | 309.8 | -22.9 | 67.6 | | | | | | | | | | |
| ARRIVAL DATE = 2453840.0 | | | | | | | | | | | | | | | | | | | |
| 44960.0 | 53840.0 | 0.644 | 244.1 | -20.8 | 0.24 | 1.404 | 115.1 | 0.950 | 16.020 | 308.5 | 536.3 | 0.803 | 31.237A | 1.60 | 0.064 | 139.7 | 53.4 | 24.3 | 0.150 |
| | | 14.32 | 4.86 | 19.18 | TWO | 30.454 | 311.0 | -22.5 | 70.2 | | | | | | | | | | |
| 44970.0 | 53840.0 | 0.570 | 245.9 | -20.9 | 0.29 | 1.404 | 110.2 | 0.946 | 16.073 | 318.4 | 536.1 | 0.863 | 31.283A | 1.54 | 0.066 | 139.2 | 53.9 | 24.4 | 0.149 |
| | | 12.44 | 4.85 | 17.29 | TWO | 30.454 | 311.0 | -22.5 | 69.7 | | | | | | | | | | |
| 44980.0 | 53840.0 | 0.503 | 245.8 | -20.5 | 0.38 | 1.404 | 105.3 | 0.943 | 16.117 | 328.5 | 535.9 | 0.913 | 31.322A | 1.42 | 0.067 | 138.8 | 54.4 | 24.5 | 0.148 |
| | | 10.80 | 4.84 | 15.65 | TWO | 30.454 | 311.0 | -22.5 | 69.3 | | | | | | | | | | |
| 44990.0 | 53840.0 | 0.447 | 243.6 | -19.4 | 0.60 | 1.404 | 100.4 | 0.941 | 16.152 | 338.5 | 535.8 | 0.951 | 31.352A | 1.19 | 0.068 | 138.5 | 54.7 | 24.5 | 0.147 |
| | | 9.50 | 4.84 | 14.33 | TWO | 30.454 | 311.0 | -22.5 | 69.0 | | | | | | | | | | |
| 45000.0 | 53840.0 | 0.409 | 239.5 | -15.5 | 1.43 | 1.403 | 95.5 | 0.940 | 16.175 | 348.6 | 535.7 | 0.976 | 31.374A | 0.34 | 0.069 | 138.3 | 55.0 | 24.4 | 0.147 |
| | | 8.62 | 4.83 | 13.46 | TWO | 30.454 | 311.0 | -22.5 | 68.8 | | | | | | | | | | |
| 45010.0 | 53840.0 | 0.395 | 228.2 | -30.2 | -3.33 | 1.402 | 90.6 | 0.939 | 16.186 | 358.7 | 535.6 | 0.987 | 31.385A | 5.09 | 0.069 | 138.3 | 54.6 | 25.8 | 0.147 |
| | | 8.34 | 4.83 | 13.17 | ONE | 30.454 | 311.0 | -22.5 | 68.7 | | | | | | | | | | |
| 45020.0 | 53840.0 | 0.396 | 223.6 | -19.5 | -0.78 | 1.400 | 85.7 | 0.939 | 16.185 | 8.8 | 175.6 | 0.983D | 31.387A | 2.52 | 0.069 | 138.4 | 54.9 | 25.0 | 0.147 |
| | | 8.36 | 4.83 | 13.19 | ONE | 30.454 | 311.0 | -22.5 | 68.7 | | | | | | | | | | |
| 45030.0 | 53840.0 | 0.426 | 218.1 | -16.5 | -0.45 | 1.399 | 80.8 | 0.940 | 16.172 | 18.9 | 175.7 | 0.965D | 31.379A | 2.18 | 0.069 | 138.6 | 54.8 | 24.9 | 0.147 |
| | | 9.02 | 4.84 | 13.86 | ONE | 30.454 | 311.0 | -22.5 | 68.8 | | | | | | | | | | |
| 45040.0 | 53840.0 | 0.476 | 214.7 | -14.9 | -0.32 | 1.397 | 75.9 | 0.942 | 16.148 | 29.0 | 175.8 | 0.933D | 31.363A | 2.04 | 0.068 | 138.9 | 54.6 | 24.8 | 0.148 |
| | | 10.16 | 4.84 | 15.00 | ONE | 30.454 | 311.0 | -22.5 | 69.0 | | | | | | | | | | |
| 45050.0 | 53840.0 | 0.539 | 213.5 | -14.1 | -0.26 | 1.395 | 71.0 | 0.945 | 16.113 | 39.1 | 175.9 | 0.888D | 31.339A | 1.95 | 0.067 | 139.4 | 54.4 | 24.7 | 0.148 |
| | | 11.68 | 4.85 | 16.53 | ONE | 30.454 | 311.0 | -22.5 | 69.3 | | | | | | | | | | |
| 45060.0 | 53840.0 | 0.612 | 214.1 | -14.2 | -0.22 | 1.393 | 66.1 | 0.948 | 16.069 | 49.2 | 176.1 | 0.831D | 31.308A | 1.90 | 0.066 | 140.0 | 54.0 | 24.5 | 0.150 |
| | | 13.50 | 4.86 | 18.36 | ONE | 30.454 | 311.0 | -22.5 | 69.6 | | | | | | | | | | |
| ARRIVAL DATE = 2454240.0 | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 54240.0 | 0.581 | 247.4 | -20.9 | 0.39 | 1.404 | 110.9 | 0.946 | 15.820 | 316.9 | 536.9 | 0.854 | 30.785A | 1.46 | 0.058 | 132.4 | 52.2 | 23.9 | 0.145 |
| | | 12.72 | 4.82 | 17.54 | TWO | 29.908 | 313.4 | -21.8 | 73.7 | | | | | | | | | | |
| 44980.0 | 54240.0 | 0.512 | 247.7 | -20.5 | 0.50 | 1.404 | 106.0 | 0.943 | 15.860 | 326.9 | 536.8 | 0.906 | 30.814A | 1.32 | 0.060 | 132.1 | 52.7 | 24.0 | 0.144 |
| | | 11.03 | 4.81 | 15.85 | TWO | 29.908 | 313.4 | -21.8 | 73.3 | | | | | | | | | | |
| 44990.0 | 54240.0 | 0.455 | 245.8 | -19.3 | 0.75 | 1.403 | 101.1 | 0.940 | 15.892 | 337.0 | 536.7 | 0.946 | 30.837A | 1.05 | 0.061 | 131.9 | 53.0 | 24.1 | 0.144 |
| | | 9.67 | 4.81 | 14.47 | TWO | 29.908 | 313.4 | -21.8 | 73.0 | | | | | | | | | | |
| 45000.0 | 54240.0 | 0.413 | 241.9 | -15.7 | 1.52 | 1.403 | 96.3 | 0.939 | 15.913 | 347.1 | 536.6 | 0.973 | 30.854A | 0.26 | 0.061 | 131.7 | 53.3 | 23.9 | 0.143 |
| | | 8.73 | 4.80 | 13.53 | TWO | 29.908 | 313.4 | -21.8 | 72.8 | | | | | | | | | | |
| 45010.0 | 54240.0 | 0.584 | 191.9 | -74.2 | -21.02 | 1.401 | 91.3 | 0.938 | 15.925 | 357.2 | 536.5 | 0.986 | 30.863A | 22.77 | 0.062 | 131.7 | 50.7 | 30.3 | 0.148 |
| | | 12.80 | 4.84 | 17.64 | ONE | 29.908 | 313.4 | -21.8 | 73.2 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45020.0 | 54240.0 | 0.394 | 225.6 | -22.2 | -1.34 | 1.400 | 86.5 | 0.938 | 15.925 | 7.3 | 176.5 | 0.985D | 30.866A | 3.08 | 0.062 | 131.7 | 53.2 | 24.8 | 0.143 |
| | | 8.31 | 4.80 | 13.11 | ONE | 29.908 | 313.4 | -21.8 | 72.7 | | | | | | | | | | |
| 45030.0 | 54240.0 | 0.420 | 220.1 | -18.1 | -0.71 | 1.398 | 81.6 | 0.939 | 15.915 | 17.4 | 176.6 | 0.969D | 30.861A | 2.42 | 0.061 | 131.9 | 53.2 | 24.5 | 0.143 |
| | | 8.88 | 4.80 | 13.69 | ONE | 29.908 | 313.4 | -21.8 | 72.8 | | | | | | | | | | |
| 45040.0 | 54240.0 | 0.467 | 216.5 | -16.0 | -0.49 | 1.396 | 76.7 | 0.941 | 15.894 | 27.5 | 176.6 | 0.939D | 30.850A | 2.18 | 0.061 | 132.2 | 53.0 | 24.4 | 0.144 |
| | | 9.95 | 4.81 | 14.76 | ONE | 29.908 | 313.4 | -21.8 | 72.9 | | | | | | | | | | |
| 45050.0 | 54240.0 | 0.528 | 215.0 | -15.0 | -0.38 | 1.394 | 71.8 | 0.944 | 15.864 | 37.5 | 176.8 | 0.896D | 30.833A | 2.05 | 0.060 | 132.6 | 52.8 | 24.3 | 0.145 |
| | | 11.41 | 4.82 | 16.23 | ONE | 29.908 | 313.4 | -21.8 | 73.2 | | | | | | | | | | |
| 45060.0 | 54240.0 | 0.599 | 215.4 | -14.8 | -0.32 | 1.392 | 66.9 | 0.947 | 15.826 | 47.6 | 176.9 | 0.841D | 30.811A | 1.96 | 0.058 | 133.1 | 52.4 | 24.1 | 0.146 |
| | | 13.18 | 4.83 | 18.01 | ONE | 29.908 | 313.4 | -21.8 | 73.5 | | | | | | | | | | |
| ARRIVAL DATE = 2454640.0 | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 54640.0 | 0.593 | 249.0 | -21.0 | 0.48 | 1.404 | 111.7 | 0.946 | 15.641 | 315.3 | 537.7 | 0.845 | 30.437A | 1.39 | 0.052 | 124.5 | 50.8 | 23.5 | 0.143 |
| | | 13.01 | 4.80 | 17.82 | TWO | 29.394 | 315.9 | -20.9 | 77.6 | | | | | | | | | | |
| 44980.0 | 54640.0 | 0.523 | 249.6 | -20.5 | 0.61 | 1.404 | 106.8 | 0.943 | 15.679 | 325.4 | 537.6 | 0.899 | 30.458A | 1.23 | 0.053 | 124.3 | 51.2 | 23.6 | 0.142 |
| | | 11.28 | 4.79 | 16.08 | TWO | 29.394 | 315.9 | -20.9 | 77.2 | | | | | | | | | | |
| 44990.0 | 54640.0 | 0.463 | 248.1 | -19.3 | 0.86 | 1.403 | 101.9 | 0.940 | 15.708 | 335.4 | 537.5 | 0.941 | 30.475A | 0.94 | 0.054 | 124.2 | 51.5 | 23.6 | 0.141 |
| | | 9.86 | 4.79 | 14.65 | TWO | 29.394 | 315.9 | -20.9 | 76.9 | | | | | | | | | | |
| 45000.0 | 54640.0 | 0.418 | 244.5 | -16.1 | 1.57 | 1.402 | 97.0 | 0.938 | 15.729 | 345.5 | 537.4 | 0.970 | 30.488A | 0.20 | 0.055 | 124.1 | 51.8 | 23.4 | 0.141 |
| | | 8.84 | 4.78 | 13.63 | TWO | 29.394 | 315.9 | -20.9 | 76.7 | | | | | | | | | | |
| 45010.0 | 54640.0 | 0.449 | 244.9 | 13.9 | 10.52 | 1.401 | 92.1 | 0.937 | 15.740 | 355.6 | 537.4 | 0.985 | 30.495A | -8.78 | 0.056 | 124.1 | 52.8 | 20.7 | 0.141 |
| | | 9.53 | 4.79 | 14.31 | TWO | 29.394 | 315.9 | -20.9 | 76.6 | | | | | | | | | | |
| 45020.0 | 54640.0 | 0.393 | 227.4 | -26.0 | -2.23 | 1.400 | 87.2 | 0.937 | 15.742 | 5.7 | 177.4 | 0.986D | 30.498A | 3.95 | 0.056 | 124.1 | 51.5 | 24.6 | 0.141 |
| | | 8.29 | 4.78 | 13.08 | ONE | 29.394 | 315.9 | -20.9 | 76.5 | | | | | | | | | | |
| 45030.0 | 54640.0 | 0.415 | 222.2 | -19.8 | -1.03 | 1.398 | 82.3 | 0.938 | 15.734 | 15.8 | 177.4 | 0.973D | 30.495A | 2.72 | 0.055 | 124.3 | 51.6 | 24.2 | 0.141 |
| | | 8.76 | 4.78 | 13.54 | ONE | 29.394 | 315.9 | -20.9 | 76.6 | | | | | | | | | | |
| 45040.0 | 54640.0 | 0.458 | 218.3 | -17.2 | -0.68 | 1.396 | 77.5 | 0.940 | 15.717 | 25.9 | 177.4 | 0.945D | 30.488A | 2.34 | 0.055 | 124.4 | 51.5 | 24.1 | 0.141 |
| | | 9.75 | 4.79 | 14.54 | ONE | 29.394 | 315.9 | -20.9 | 76.7 | | | | | | | | | | |
| 45050.0 | 54640.0 | 0.517 | 216.6 | -15.9 | -0.52 | 1.394 | 72.6 | 0.942 | 15.690 | 35.9 | 177.5 | 0.904D | 30.476A | 2.15 | 0.054 | 124.7 | 51.3 | 23.9 | 0.142 |
| | | 11.15 | 4.79 | 15.94 | ONE | 29.394 | 315.9 | -20.9 | 76.9 | | | | | | | | | | |
| 45060.0 | 54640.0 | 0.587 | 216.8 | -15.6 | -0.43 | 1.392 | 67.7 | 0.946 | 15.656 | 45.9 | 177.6 | 0.851D | 30.462A | 2.03 | 0.052 | 125.1 | 51.0 | 23.8 | 0.143 |
| | | 12.86 | 4.80 | 17.67 | ONE | 29.394 | 315.9 | -20.9 | 77.2 | | | | | | | | | | |
| ARRIVAL DATE = 2455040.0 | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 55040.0 | 0.605 | 250.6 | -21.0 | 0.56 | 1.403 | 112.5 | 0.946 | 15.520 | 313.6 | 538.4 | 0.835 | 30.206A | 1.33 | 0.047 | 115.4 | 49.5 | 23.1 | 0.142 |
| | | 13.33 | 4.79 | 18.12 | TWO | 29.061 | 318.3 | -20.1 | 81.2 | | | | | | | | | | |
| 44980.0 | 55040.0 | 0.534 | 251.5 | -20.6 | 0.70 | 1.403 | 107.6 | 0.943 | 15.555 | 323.7 | 538.3 | 0.891 | 30.220A | 1.15 | 0.049 | 115.4 | 49.8 | 23.2 | 0.141 |
| | | 11.55 | 4.78 | 16.34 | TWO | 29.061 | 318.3 | -20.1 | 80.8 | | | | | | | | | | |
| 44990.0 | 55040.0 | 0.472 | 250.3 | -19.4 | 0.96 | 1.403 | 102.7 | 0.940 | 15.583 | 333.8 | 538.2 | 0.935 | 30.231A | 0.86 | 0.050 | 115.5 | 50.2 | 23.2 | 0.140 |
| | | 10.07 | 4.77 | 14.85 | TWO | 29.061 | 318.3 | -20.1 | 80.6 | | | | | | | | | | |
| 45000.0 | 55040.0 | 0.425 | 247.0 | -16.4 | 1.61 | 1.402 | 97.8 | 0.938 | 15.603 | 343.9 | 538.2 | 0.966 | 30.240A | 0.17 | 0.051 | 115.5 | 50.5 | 23.0 | 0.139 |
| | | 8.98 | 4.77 | 13.75 | TWO | 29.061 | 318.3 | -20.1 | 80.4 | | | | | | | | | | |
| 45010.0 | 55040.0 | 0.410 | 243.9 | -2.0 | 5.47 | 1.401 | 92.9 | 0.937 | 15.615 | 354.0 | 538.1 | 0.984 | 30.246A | -3.73 | 0.051 | 115.6 | 51.0 | 21.8 | 0.139 |
| | | 8.67 | 4.77 | 13.43 | TWO | 29.061 | 318.3 | -20.1 | 80.2 | | | | | | | | | | |
| 45020.0 | 55040.0 | 0.397 | 228.7 | -32.1 | -3.81 | 1.400 | 88.0 | 0.937 | 15.618 | 4.1 | 178.1 | 0.987D | 30.248A | 5.52 | 0.051 | 115.6 | 50.0 | 24.8 | 0.139 |
| | | 8.37 | 4.77 | 13.14 | ONE | 29.061 | 318.3 | -20.1 | 80.2 | | | | | | | | | | |
| 45030.0 | 55040.0 | 0.410 | 224.4 | -22.0 | -1.44 | 1.398 | 83.1 | 0.937 | 15.611 | 14.2 | 178.1 | 0.976D | 30.246A | 3.11 | 0.051 | 115.7 | 50.3 | 24.0 | 0.139 |
| | | 8.65 | 4.77 | 13.42 | ONE | 29.061 | 318.3 | -20.1 | 80.2 | | | | | | | | | | |
| 45040.0 | 55040.0 | 0.450 | 220.3 | -18.6 | -0.90 | 1.396 | 78.3 | 0.939 | 15.597 | 24.2 | 178.2 | 0.951D | 30.242A | 2.54 | 0.050 | 115.8 | 50.2 | 23.8 | 0.139 |
| | | 9.55 | 4.77 | 14.32 | ONE | 29.061 | 318.3 | -20.1 | 80.3 | | | | | | | | | | |
| 45050.0 | 55040.0 | 0.506 | 218.3 | -16.9 | -0.67 | 1.394 | 73.4 | 0.941 | 15.574 | 34.2 | 178.3 | 0.913D | 30.235A | 2.27 | 0.049 | 115.9 | 50.1 | 23.6 | 0.140 |
| | | 10.88 | 4.78 | 15.66 | ONE | 29.061 | 318.3 | -20.1 | 80.5 | | | | | | | | | | |
| 45060.0 | 55040.0 | 0.574 | 218.2 | -16.3 | -0.55 | 1.392 | 68.5 | 0.945 | 15.544 | 44.2 | 178.3 | 0.862D | 30.225A | 2.11 | 0.048 | 116.1 | 49.8 | 23.5 | 0.141 |
| | | 12.55 | 4.79 | 17.33 | ONE | 29.061 | 318.3 | -20.1 | 80.8 | | | | | | | | | | |
| 45070.0 | 55040.0 | 0.649 | 219.7 | -16.5 | -0.48 | 1.390 | 63.7 | 0.948 | 15.507 | 54.2 | 178.4 | 0.800D | 30.214A | 2.00 | 0.046 | 116.4 | 49.5 | 23.3 | 0.143 |
| | | 14.45 | 4.80 | 19.25 | ONE | 29.061 | 318.3 | -20.1 | 81.1 | | | | | | | | | | |
| ARRIVAL DATE = 2455440.0 | | | | | | | | | | | | | | | | | | | |
| 44970.0 | 55440.0 | 0.618 | 252.2 | -21.1 | 0.64 | 1.403 | 113.4 | 0.947 | 15.445 | 311.9 | 539.1 | 0.824 | 30.065A | 1.28 | 0.044 | 105.4 | 48.4 | 22.7 | 0.141 |
| | | 13.67 | 4.79 | 18.46 | TWO | 29.009 | 320.6 | -19.2 | 84.7 | | | | | | | | | | |
| 44980.0 | 55440.0 | 0.546 | 253.3 | -20.7 | 0.78 | 1.403 | 108.4 | 0.943 | 15.477 | 322.0 | 539.0 | 0.882 | 30.073A | 1.09 | 0.045 | 105.7 | 48.7 | 22.8 | 0.140 |
| | | 11.85 | 4.77 | 16.62 | TWO | 29.009 | 320.6 | -19.2 | 84.3 | | | | | | | | | | |
| 44990.0 | 55440.0 | 0.482 | 252.6 | -19.5 | 1.04 | 1.403 | 103.5 | 0.940 | 15.504 | 332.1 | 538.9 | 0.929 | 30.080A | 0.78 | 0.047 | 106.0 | 49.1 | 22.8 | 0.139 |
| | | 10.30 | 4.77 | 15.07 | TWO | 29.009 | 320.6 | -19.2 | 84.1 | | | | | | | | | | |
| 45000.0 | 55440.0 | 0.432 | 249.6 | -16.8 | 1.63 | 1.402 | 98.6 | 0.938 | 15.524 | 342.2 | 538.9 | 0.962 | 30.085A | 0.15 | 0.047 | 106.2 | 49.3 | 22.7 | 0.138 |
| | | 9.14 | 4.76 | 13.90 | TWO | 29.009 | 320.6 | -19.2 | 83.8 | | | | | | | | | | |

1982
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45010.0 | 55440.0 | 0.407 | 245.6 | -7.1 | 4.11 | 1.401 | 93.7 | 0.937 | 15.535 | 352.3 | 538.9 | 0.982 | 30.088A | -2.37 | 0.048 | 106.4 | 49.7 | 21.9 | 0.138 |
| | | 8.59 | 4.76 | 13.34 | TWO | 29.009 | 320.6 | -19.2 | 83.7 | | | | | | | | | | |
| 45020.0 | 55440.0 | 0.418 | 227.5 | -44.7 | -7.50 | 1.400 | 88.8 | 0.936 | 15.539 | 2.4 | 178.8 | 0.988D | 30.090A | 9.20 | 0.048 | 106.5 | 48.4 | 25.6 | 0.138 |
| | | 8.84 | 4.76 | 13.60 | ONE | 29.009 | 320.6 | -19.2 | 83.7 | | | | | | | | | | |
| 45030.0 | 55440.0 | 0.406 | 226.6 | -24.6 | -1.99 | 1.398 | 84.0 | 0.937 | 15.535 | 12.5 | 178.9 | 0.980D | 30.090A | 3.64 | 0.048 | 106.5 | 49.1 | 23.8 | 0.138 |
| | | 8.56 | 4.76 | 13.32 | ONE | 29.009 | 320.6 | -19.2 | 83.7 | | | | | | | | | | |
| 45040.0 | 55440.0 | 0.442 | 222.4 | -20.1 | -1.17 | 1.396 | 79.1 | 0.938 | 15.522 | 22.5 | 178.9 | 0.957D | 30.087A | 2.78 | 0.047 | 106.5 | 49.1 | 23.5 | 0.138 |
| | | 9.37 | 4.76 | 14.13 | ONE | 29.009 | 320.6 | -19.2 | 83.8 | | | | | | | | | | |
| 45050.0 | 55440.0 | 0.496 | 220.1 | -18.0 | -0.85 | 1.394 | 74.3 | 0.941 | 15.502 | 32.5 | 178.9 | 0.921D | 30.083A | 2.42 | 0.046 | 106.5 | 49.0 | 23.3 | 0.139 |
| | | 10.63 | 4.77 | 15.39 | ONE | 29.009 | 320.6 | -19.2 | 83.9 | | | | | | | | | | |
| 45060.0 | 55440.0 | 0.561 | 219.8 | -17.2 | -0.68 | 1.392 | 69.4 | 0.944 | 15.475 | 42.5 | 179.0 | 0.872D | 30.078A | 2.20 | 0.045 | 106.4 | 48.8 | 23.2 | 0.140 |
| | | 12.23 | 4.78 | 17.01 | ONE | 29.009 | 320.6 | -19.2 | 84.1 | | | | | | | | | | |
| 45070.0 | 55440.0 | 0.635 | 221.1 | -17.1 | -0.58 | 1.390 | 64.6 | 0.947 | 15.442 | 52.4 | 179.1 | 0.812D | 30.072A | 2.06 | 0.044 | 106.3 | 48.6 | 23.0 | 0.142 |
| | | 14.09 | 4.79 | 18.88 | ONE | 29.009 | 320.6 | -19.2 | 84.4 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2447210.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447410.0 | | | | | | | | | | |
| 45370.0 | 47410.0 | 0.647 | 252.1 | -18.4 | 1.62 | 1.611 | 100.6 | 1.544 | -1.763 | 342.6 | 486.6 | 0.958 | NA | 0.18 | 0.796 | 176.3 | 78.3 | 28.3 | 0.806 |
| | | 14.41 | 17.84 | 32.25 | ONE | 29.777 | 268.9 | -28.8 | 9.3 | | | | | | | | | | |
| 45380.0 | 47410.0 | 0.612 | 247.7 | -18.3 | 1.32 | 1.611 | 94.8 | 1.561 | -1.751 | 352.1 | 486.0 | 0.982 | NA | 0.58 | 0.798 | 176.2 | 78.4 | 28.3 | 0.808 |
| | | 13.50 | 17.89 | 31.39 | ONE | 29.777 | 268.9 | -28.8 | 9.2 | | | | | | | | | | |
| 45390.0 | 47410.0 | 0.601 | 241.7 | -17.8 | 1.15 | 1.611 | 88.8 | 1.568 | -1.742 | 1.9 | 125.7 | 0.989D | NA | 0.86 | 0.800 | 176.2 | 78.5 | 28.4 | 0.810 |
| | | 13.23 | 17.94 | 31.17 | ONE | 29.777 | 268.9 | -28.8 | 9.1 | | | | | | | | | | |
| 45400.0 | 47410.0 | 0.620 | 235.3 | -16.9 | 1.04 | 1.610 | 82.6 | 1.564 | -1.735 | 12.1 | 125.9 | 0.979D | NA | 1.07 | 0.802 | 176.2 | 78.5 | 28.4 | 0.812 |
| | | 13.71 | 17.98 | 31.69 | ONE | 29.777 | 268.9 | -28.8 | 9.2 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447610.0 | | | | | | | | | | |
| 45360.0 | 47610.0 | 0.644 | 251.7 | -17.1 | 2.21 | 1.572 | 104.2 | 1.410 | -2.278 | 335.7 | 491.0 | 0.933 | NA | -0.50 | 0.711 | 176.0 | 78.3 | 28.3 | 0.722 |
| | | 14.33 | 15.73 | 30.06 | ONE | 30.331 | 270.2 | -28.8 | 10.5 | | | | | | | | | | |
| 45370.0 | 47610.0 | 0.595 | 248.6 | -17.7 | 1.62 | 1.572 | 98.8 | 1.427 | -2.261 | 345.1 | 490.3 | 0.966 | NA | 0.19 | 0.713 | 175.9 | 78.4 | 28.3 | 0.725 |
| | | 13.08 | 15.78 | 28.86 | ONE | 30.331 | 270.2 | -28.8 | 10.4 | | | | | | | | | | |
| 45380.0 | 47610.0 | 0.566 | 243.5 | -17.5 | 1.31 | 1.572 | 93.1 | 1.438 | -2.247 | 354.7 | 489.8 | 0.985 | NA | 0.59 | 0.715 | 175.9 | 78.5 | 28.4 | 0.726 |
| | | 12.35 | 15.82 | 28.17 | ONE | 30.331 | 270.2 | -28.8 | 10.3 | | | | | | | | | | |
| 45390.0 | 47610.0 | 0.563 | 237.1 | -16.8 | 1.13 | 1.571 | 87.2 | 1.442 | -2.237 | 4.7 | 129.7 | 0.988D | NA | 0.87 | 0.716 | 175.9 | 78.5 | 28.4 | 0.728 |
| | | 12.27 | 15.86 | 28.13 | ONE | 30.331 | 270.2 | -28.8 | 10.3 | | | | | | | | | | |
| 45400.0 | 47610.0 | 0.589 | 230.7 | -15.8 | 1.02 | 1.570 | 81.2 | 1.436 | -2.229 | 15.0 | 129.9 | 0.972D | NA | 1.09 | 0.717 | 175.9 | 78.5 | 28.4 | 0.729 |
| | | 12.93 | 15.89 | 28.81 | ONE | 30.331 | 270.2 | -28.8 | 10.3 | | | | | | | | | | |
| 45410.0 | 47610.0 | 0.643 | 225.6 | -14.9 | 0.96 | 1.568 | 74.9 | 1.421 | -2.224 | 25.6 | 130.6 | 0.937D | NA | 1.27 | 0.718 | 176.0 | 78.4 | 28.4 | 0.730 |
| | | 14.31 | 15.91 | 30.22 | ONE | 30.331 | 270.2 | -28.8 | 10.4 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2447810.0 | | | | | | | | | | |
| 45360.0 | 47810.0 | 0.600 | 249.1 | -16.4 | 2.24 | 1.542 | 102.6 | 1.326 | -2.893 | 337.9 | 494.4 | 0.943 | NA | -0.52 | 0.642 | 175.6 | 78.3 | 28.3 | 0.655 |
| | | 13.19 | 14.07 | 27.27 | ONE | 30.310 | 271.6 | -28.8 | 11.7 | | | | | | | | | | |
| 45370.0 | 47810.0 | 0.555 | 245.3 | -17.0 | 1.61 | 1.542 | 97.3 | 1.338 | -2.873 | 347.3 | 493.7 | 0.972 | NA | 0.19 | 0.644 | 175.6 | 78.4 | 28.3 | 0.656 |
| | | 12.07 | 14.11 | 26.19 | ONE | 30.310 | 271.6 | -28.8 | 11.6 | | | | | | | | | | |
| 45380.0 | 47810.0 | 0.532 | 239.7 | -16.7 | 1.29 | 1.541 | 91.7 | 1.345 | -2.857 | 357.1 | 493.3 | 0.987 | NA | 0.60 | 0.645 | 175.5 | 78.5 | 28.4 | 0.658 |
| | | 11.50 | 14.15 | 25.65 | ONE | 30.310 | 271.6 | -28.8 | 11.5 | | | | | | | | | | |
| 45390.0 | 47810.0 | 0.535 | 233.0 | -15.8 | 1.10 | 1.540 | 85.9 | 1.346 | -2.846 | 7.1 | 133.3 | 0.985D | NA | 0.88 | 0.646 | 175.5 | 78.5 | 28.4 | 0.659 |
| | | 11.59 | 14.17 | 25.76 | ONE | 30.310 | 271.6 | -28.8 | 11.5 | | | | | | | | | | |
| 45400.0 | 47810.0 | 0.568 | 226.8 | -14.8 | 0.99 | 1.539 | 80.0 | 1.340 | -2.838 | 17.5 | 133.7 | 0.966D | NA | 1.10 | 0.647 | 175.6 | 78.5 | 28.4 | 0.660 |
| | | 12.39 | 14.19 | 26.58 | ONE | 30.310 | 271.6 | -28.8 | 11.5 | | | | | | | | | | |
| 45410.0 | 47810.0 | 0.626 | 222.1 | -13.9 | 0.93 | 1.537 | 73.8 | 1.327 | -2.834 | 28.2 | 134.4 | 0.927D | NA | 1.28 | 0.647 | 175.7 | 78.4 | 28.4 | 0.660 |
| | | 13.87 | 14.21 | 28.08 | ONE | 30.310 | 271.6 | -28.8 | 11.6 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448010.0 | | | | | | | | | | |
| 45350.0 | 48010.0 | 0.623 | 249.1 | -12.4 | 4.09 | 1.518 | 106.4 | 1.248 | -3.687 | 330.5 | 498.3 | 0.913 | NA | -2.45 | 0.581 | 175.3 | 78.1 | 28.1 | 0.596 |
| | | 13.79 | 12.68 | 26.46 | ONE | 29.778 | 272.9 | -28.8 | 13.0 | | | | | | | | | | |
| 45360.0 | 48010.0 | 0.564 | 246.6 | -15.6 | 2.27 | 1.518 | 101.3 | 1.260 | -3.656 | 339.8 | 497.5 | 0.951 | NA | -0.55 | 0.583 | 175.2 | 78.3 | 28.2 | 0.597 |
| | | 12.30 | 12.71 | 25.02 | ONE | 29.778 | 272.9 | -28.8 | 12.9 | | | | | | | | | | |
| 45370.0 | 48010.0 | 0.524 | 242.3 | -16.3 | 1.60 | 1.518 | 96.0 | 1.269 | -3.631 | 349.4 | 496.9 | 0.976 | NA | 0.20 | 0.585 | 175.2 | 78.4 | 28.3 | 0.599 |
| | | 11.31 | 12.75 | 24.06 | ONE | 29.778 | 272.9 | -28.8 | 12.8 | | | | | | | | | | |
| 45380.0 | 48010.0 | 0.506 | 236.2 | -15.9 | 1.27 | 1.517 | 90.5 | 1.273 | -3.613 | 359.2 | 496.6 | 0.988 | NA | 0.62 | 0.586 | 175.1 | 78.5 | 28.4 | 0.600 |
| | | 10.88 | 12.77 | 23.65 | ONE | 29.778 | 272.9 | -28.8 | 12.7 | | | | | | | | | | |
| 45390.0 | 48010.0 | 0.515 | 229.4 | -15.0 | 1.08 | 1.516 | 84.8 | 1.273 | -3.600 | 9.3 | 136.7 | 0.982D | NA | 0.90 | 0.587 | 175.2 | 78.5 | 28.4 | 0.600 |
| | | 11.10 | 12.79 | 23.89 | ONE | 29.778 | 272.9 | -28.8 | 12.7 | | | | | | | | | | |
| 45400.0 | 48010.0 | 0.553 | 223.4 | -13.9 | 0.97 | 1.515 | 78.9 | 1.267 | -3.593 | 19.8 | 137.1 | 0.959D | NA | 1.11 | 0.587 | 175.2 | 78.4 | 28.4 | 0.601 |
| | | 12.02 | 12.80 | 24.82 | ONE | 29.778 | 272.9 | -28.8 | 12.8 | | | | | | | | | | |
| 45410.0 | 48010.0 | 0.615 | 219.2 | -13.1 | 0.90 | 1.513 | 73.0 | 1.256 | -3.591 | 30.6 | 137.9 | 0.918D | NA | 1.28 | 0.587 | 175.3 | 78.3 | 28.4 | 0.602 |
| | | 13.58 | 12.82 | 26.40 | ONE | 29.778 | 272.9 | -28.8 | 12.9 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448210.0 | | | | | | | | | | |
| 45350.0 | 48210.0 | 0.593 | 247.5 | -11.0 | 4.36 | 1.499 | 105.2 | 1.198 | -4.651 | 332.1 | 501.1 | 0.921 | NA | -2.71 | 0.530 | 174.9 | 78.1 | 28.0 | 0.546 |
| | | 13.03 | 11.55 | 24.58 | ONE | 30.805 | 274.3 | -28.7 | 14.3 | | | | | | | | | | |
| 45360.0 | 48210.0 | 0.536 | 244.4 | -14.9 | 2.30 | 1.499 | 100.1 | 1.207 | -4.611 | 341.5 | 500.4 | 0.957 | NA | -0.57 | 0.532 | 174.8 | 78.2 | 28.2 | 0.548 |
| | | 11.61 | 11.58 | 23.19 | ONE | 30.805 | 274.3 | -28.7 | 14.1 | | | | | | | | | | |
| 45370.0 | 48210.0 | 0.499 | 239.5 | -15.6 | 1.59 | 1.499 | 94.9 | 1.214 | -4.581 | 351.1 | 499.9 | 0.979 | NA | 0.20 | 0.533 | 174.8 | 78.3 | 28.3 | 0.549 |
| | | 10.72 | 11.61 | 22.33 | ONE | 30.805 | 274.3 | -28.7 | 14.0 | | | | | | | | | | |
| 45380.0 | 48210.0 | 0.486 | 233.1 | -15.2 | 1.25 | 1.498 | 89.4 | 1.217 | -4.559 | 1.1 | 139.7 | 0.987D | NA | 0.63 | 0.534 | 174.7 | 78.4 | 28.4 | 0.550 |
| | | 10.41 | 11.63 | 22.04 | ONE | 30.805 | 274.3 | -28.7 | 14.0 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45390.0 | 48210.0 | 0.501 | 226.3 | -14.1 | 1.06 | 1.497 | 83.8 | 1.215 | -4.546 | 11.2 | 139.8 | 0.979D | NA | 0.91 | 0.535 | 174.8 | 78.4 | 28.4 | 0.550 |
| | | 10.75 | 11.64 | 22.40 | ONE | 30.805 | 274.3 | -28.7 | 14.0 | | | | | | | | | | |
| 45400.0 | 48210.0 | 0.542 | 220.6 | -13.1 | 0.94 | 1.495 | 78.1 | 1.210 | -4.540 | 21.7 | 140.2 | 0.954D | NA | 1.12 | 0.535 | 174.8 | 78.3 | 28.4 | 0.551 |
| | | 11.76 | 11.65 | 23.42 | ONE | 30.805 | 274.3 | -28.7 | 14.0 | | | | | | | | | | |
| 45410.0 | 48210.0 | 0.607 | 216.8 | -12.4 | 0.87 | 1.494 | 72.2 | 1.200 | -4.540 | 32.5 | 141.1 | 0.910D | NA | 1.29 | 0.535 | 175.0 | 78.2 | 28.4 | 0.551 |
| | | 13.38 | 11.66 | 25.04 | ONE | 30.805 | 274.3 | -28.7 | 14.1 | | | | | | | | | | |
| ARRIVAL DATE = 2448410.0 | | | | | | | | | | | | | | | | | | | |
| 45350.0 | 48410.0 | 0.569 | 246.1 | -9.5 | 4.69 | 1.484 | 104.2 | 1.158 | -5.878 | 333.5 | 503.7 | 0.928 | NA | -3.04 | 0.486 | 174.5 | 78.0 | 28.0 | 0.504 |
| | | 12.43 | 10.61 | 23.04 | ONE | 29.345 | 275.6 | -28.7 | 15.5 | | | | | | | | | | |
| 45360.0 | 48410.0 | 0.513 | 242.4 | -14.2 | 2.33 | 1.484 | 99.2 | 1.165 | -5.827 | 343.0 | 503.1 | 0.961 | NA | -0.61 | 0.488 | 174.4 | 78.1 | 28.2 | 0.505 |
| | | 11.06 | 10.64 | 21.70 | ONE | 29.345 | 275.6 | -28.7 | 15.4 | | | | | | | | | | |
| 45370.0 | 48410.0 | 0.480 | 237.1 | -15.0 | 1.59 | 1.484 | 93.9 | 1.170 | -5.789 | 352.7 | 502.6 | 0.982 | NA | 0.21 | 0.489 | 174.3 | 78.2 | 28.3 | 0.506 |
| | | 10.26 | 10.66 | 20.92 | ONE | 29.345 | 275.6 | -28.7 | 15.3 | | | | | | | | | | |
| 45380.0 | 48410.0 | 0.471 | 230.4 | -14.5 | 1.23 | 1.483 | 88.6 | 1.171 | -5.763 | 2.7 | 142.5 | 0.987D | NA | 0.64 | 0.490 | 174.3 | 78.3 | 28.4 | 0.506 |
| | | 10.05 | 10.67 | 20.73 | ONE | 29.345 | 275.6 | -28.7 | 15.2 | | | | | | | | | | |
| 45390.0 | 48410.0 | 0.490 | 223.6 | -13.4 | 1.03 | 1.481 | 83.0 | 1.170 | -5.748 | 12.9 | 142.6 | 0.976D | NA | 0.93 | 0.490 | 174.4 | 78.3 | 28.4 | 0.507 |
| | | 10.49 | 10.69 | 21.18 | ONE | 29.345 | 275.6 | -28.7 | 15.3 | | | | | | | | | | |
| 45400.0 | 48410.0 | 0.535 | 218.2 | -12.4 | 0.91 | 1.480 | 77.4 | 1.165 | -5.744 | 23.4 | 143.1 | 0.948D | NA | 1.13 | 0.490 | 174.4 | 78.2 | 28.4 | 0.507 |
| | | 11.57 | 10.69 | 22.27 | ONE | 29.345 | 275.6 | -28.7 | 15.3 | | | | | | | | | | |
| 45410.0 | 48410.0 | 0.601 | 214.7 | -11.8 | 0.84 | 1.478 | 71.6 | 1.157 | -5.749 | 34.3 | 144.0 | 0.902D | NA | 1.30 | 0.490 | 174.6 | 78.0 | 28.4 | 0.508 |
| | | 13.23 | 10.70 | 23.93 | ONE | 29.345 | 275.6 | -28.7 | 15.5 | | | | | | | | | | |
| ARRIVAL DATE = 2448610.0 | | | | | | | | | | | | | | | | | | | |
| 45350.0 | 48610.0 | 0.550 | 245.0 | -7.9 | 5.11 | 1.472 | 103.4 | 1.125 | -7.472 | 334.7 | 506.1 | 0.934 | NA | -3.45 | 0.447 | 174.0 | 77.9 | 27.9 | 0.466 |
| | | 11.96 | 9.82 | 21.78 | ONE | 31.109 | 277.0 | -28.6 | 16.8 | | | | | | | | | | |
| 45360.0 | 48610.0 | 0.495 | 240.6 | -13.6 | 2.37 | 1.472 | 98.3 | 1.130 | -7.405 | 344.3 | 505.5 | 0.965 | NA | -0.64 | 0.449 | 173.9 | 78.0 | 28.2 | 0.467 |
| | | 10.62 | 9.84 | 20.46 | ONE | 31.109 | 277.0 | -28.6 | 16.7 | | | | | | | | | | |
| 45370.0 | 48610.0 | 0.465 | 234.9 | -14.4 | 1.58 | 1.471 | 93.2 | 1.134 | -7.356 | 354.1 | 505.2 | 0.983 | NA | 0.22 | 0.450 | 173.9 | 78.1 | 28.3 | 0.468 |
| | | 9.90 | 9.86 | 19.76 | ONE | 31.109 | 277.0 | -28.6 | 16.6 | | | | | | | | | | |
| 45380.0 | 48610.0 | 0.460 | 228.0 | -13.9 | 1.21 | 1.470 | 87.8 | 1.135 | -7.324 | 4.1 | 145.1 | 0.986D | NA | 0.66 | 0.450 | 173.9 | 78.1 | 28.3 | 0.469 |
| | | 9.78 | 9.87 | 19.65 | ONE | 31.109 | 277.0 | -28.6 | 16.6 | | | | | | | | | | |
| 45390.0 | 48610.0 | 0.482 | 221.3 | -12.8 | 1.01 | 1.469 | 82.4 | 1.133 | -7.309 | 14.4 | 145.3 | 0.973D | NA | 0.94 | 0.451 | 173.9 | 78.1 | 28.4 | 0.469 |
| | | 10.30 | 9.88 | 20.18 | ONE | 31.109 | 277.0 | -28.6 | 16.6 | | | | | | | | | | |
| 45400.0 | 48610.0 | 0.529 | 216.2 | -11.8 | 0.89 | 1.467 | 76.8 | 1.129 | -7.308 | 24.9 | 145.8 | 0.943D | NA | 1.15 | 0.451 | 174.0 | 78.0 | 28.4 | 0.469 |
| | | 11.44 | 9.89 | 21.32 | ONE | 31.109 | 277.0 | -28.6 | 16.7 | | | | | | | | | | |
| 45410.0 | 48610.0 | 0.597 | 213.1 | -11.3 | 0.82 | 1.465 | 71.1 | 1.122 | -7.320 | 35.7 | 146.6 | 0.896D | NA | 1.31 | 0.450 | 174.2 | 77.8 | 28.4 | 0.470 |
| | | 13.12 | 9.89 | 23.01 | ONE | 31.109 | 277.0 | -28.6 | 16.8 | | | | | | | | | | |
| ARRIVAL DATE = 2448810.0 | | | | | | | | | | | | | | | | | | | |
| 45350.0 | 48810.0 | 0.536 | 244.2 | -5.9 | 5.67 | 1.462 | 102.7 | 1.098 | -9.602 | 335.8 | 508.4 | 0.938 | NA | -4.00 | 0.413 | 173.5 | 77.7 | 27.8 | 0.433 |
| | | 11.61 | 9.15 | 20.76 | ONE | 29.158 | 278.3 | -28.5 | 18.2 | | | | | | | | | | |
| 45360.0 | 48810.0 | 0.480 | 239.1 | -12.9 | 2.42 | 1.462 | 97.7 | 1.102 | -9.510 | 345.4 | 507.8 | 0.968 | NA | -0.69 | 0.414 | 173.4 | 77.8 | 28.2 | 0.434 |
| | | 10.27 | 9.17 | 19.43 | ONE | 29.158 | 278.3 | -28.5 | 18.0 | | | | | | | | | | |
| 45370.0 | 48810.0 | 0.453 | 233.0 | -13.9 | 1.57 | 1.461 | 92.5 | 1.104 | -9.445 | 355.2 | 507.5 | 0.984 | NA | 0.23 | 0.415 | 173.4 | 77.9 | 28.3 | 0.435 |
| | | 9.62 | 9.18 | 18.80 | ONE | 29.158 | 278.3 | -28.5 | 18.0 | | | | | | | | | | |
| 45380.0 | 48810.0 | 0.450 | 226.0 | -13.3 | 1.19 | 1.460 | 87.2 | 1.105 | -9.406 | 5.3 | 147.5 | 0.985D | NA | 0.68 | 0.415 | 173.4 | 77.9 | 28.3 | 0.435 |
| | | 9.57 | 9.19 | 18.76 | ONE | 29.158 | 278.3 | -28.5 | 17.9 | | | | | | | | | | |
| 45390.0 | 48810.0 | 0.475 | 219.4 | -12.3 | 0.98 | 1.459 | 81.8 | 1.103 | -9.390 | 15.6 | 147.7 | 0.971D | NA | 0.96 | 0.416 | 173.5 | 77.9 | 28.4 | 0.436 |
| | | 10.15 | 9.20 | 19.34 | ONE | 29.158 | 278.3 | -28.5 | 18.0 | | | | | | | | | | |
| 45400.0 | 48810.0 | 0.525 | 214.5 | -11.4 | 0.86 | 1.457 | 76.3 | 1.100 | -9.396 | 26.1 | 148.2 | 0.939D | NA | 1.16 | 0.416 | 173.6 | 77.8 | 28.4 | 0.436 |
| | | 11.33 | 9.20 | 20.53 | ONE | 29.158 | 278.3 | -28.5 | 18.1 | | | | | | | | | | |
| 45410.0 | 48810.0 | 0.593 | 211.7 | -10.9 | 0.79 | 1.455 | 70.7 | 1.095 | -9.420 | 36.9 | 149.0 | 0.891D | NA | 1.32 | 0.415 | 173.7 | 77.6 | 28.4 | 0.436 |
| | | 13.04 | 9.21 | 22.24 | ONE | 29.158 | 278.3 | -28.5 | 18.2 | | | | | | | | | | |
| ARRIVAL DATE = 2449010.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 49010.0 | 0.634 | 239.0 | -26.6 | -2.83 | 1.453 | 111.8 | 1.066 | -12.951 | 317.8 | 512.1 | 0.852 | NA | 4.37 | 0.379 | 173.3 | 76.8 | 28.6 | 0.402 |
| | | 14.07 | 8.54 | 22.61 | TWO | 31.126 | 279.7 | -28.5 | 20.1 | | | | | | | | | | |
| 45340.0 | 49010.0 | 0.602 | 237.0 | -43.8 | -9.82 | 1.453 | 107.0 | 1.071 | -12.734 | 327.1 | 511.2 | 0.902 | NA | 11.43 | 0.381 | 173.2 | 76.9 | 29.4 | 0.403 |
| | | 13.25 | 8.57 | 21.81 | TWO | 31.126 | 279.7 | -28.5 | 19.9 | | | | | | | | | | |
| 45350.0 | 49010.0 | 0.526 | 243.7 | -3.3 | 6.43 | 1.454 | 102.1 | 1.075 | -12.560 | 336.7 | 510.5 | 0.942 | NA | -4.77 | 0.382 | 173.0 | 77.4 | 27.7 | 0.404 |
| | | 11.37 | 8.58 | 19.94 | ONE | 31.126 | 279.7 | -28.5 | 19.6 | | | | | | | | | | |
| 45360.0 | 49010.0 | 0.468 | 237.8 | -12.4 | 2.47 | 1.453 | 97.1 | 1.078 | -12.429 | 346.3 | 510.0 | 0.970 | NA | -0.73 | 0.383 | 172.9 | 77.6 | 28.1 | 0.405 |
| | | 9.98 | 8.59 | 18.57 | ONE | 31.126 | 279.7 | -28.5 | 19.4 | | | | | | | | | | |
| 45370.0 | 49010.0 | 0.443 | 231.4 | -13.5 | 1.56 | 1.453 | 92.0 | 1.080 | -12.338 | 356.2 | 509.7 | 0.985 | NA | 0.24 | 0.384 | 172.9 | 77.7 | 28.3 | 0.405 |
| | | 9.39 | 8.60 | 17.99 | ONE | 31.126 | 279.7 | -28.5 | 19.3 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45380.0 | 49010.0 | 0.443 | 224.3 | -12.9 | 1.16 | 1.451 | 86.7 | 1.080 | -12.287 | 6.3 | 149.7 | 0.984D | NA | 0.70 | 0.384 | 172.9 | 77.7 | 28.3 | 0.406 |
| | | 9.40 | 8.61 | 18.01 | ONE | 31.126 | 279.7 | -28.5 | 19.3 | | | | | | | | | | |
| 45390.0 | 49010.0 | 0.470 | 217.8 | -11.8 | 0.95 | 1.450 | 81.4 | 1.079 | -12.271 | 16.6 | 149.9 | 0.968D | NA | 0.98 | 0.384 | 173.0 | 77.6 | 28.3 | 0.406 |
| | | 10.03 | 8.61 | 18.64 | ONE | 31.126 | 279.7 | -28.5 | 19.4 | | | | | | | | | | |
| 45400.0 | 49010.0 | 0.521 | 213.2 | -11.0 | 0.83 | 1.448 | 75.9 | 1.076 | -12.289 | 27.1 | 150.4 | 0.935D | NA | 1.18 | 0.384 | 173.1 | 77.5 | 28.4 | 0.406 |
| | | 11.25 | 8.62 | 19.86 | ONE | 31.126 | 279.7 | -28.5 | 19.5 | | | | | | | | | | |
| 45410.0 | 49010.0 | 0.591 | 210.7 | -10.6 | 0.76 | 1.446 | 70.4 | 1.072 | -12.335 | 37.9 | 151.2 | 0.886D | NA | 1.33 | 0.384 | 173.3 | 77.3 | 28.4 | 0.406 |
| | | 12.96 | 8.62 | 21.58 | ONE | 31.126 | 279.7 | -28.5 | 19.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449210.0 | | | | | | | | | | | |
| 45330.0 | 49210.0 | 0.620 | 238.6 | -25.8 | -2.49 | 1.446 | 111.3 | 1.049 | -17.513 | 318.5 | 513.9 | 0.857 | NA | 4.04 | 0.351 | 172.8 | 76.5 | 28.6 | 0.376 |
| | | 13.72 | 8.05 | 21.77 | TWO | 29.272 | 281.0 | -28.4 | 21.5 | | | | | | | | | | |
| 45340.0 | 49210.0 | 0.574 | 236.9 | -38.2 | -7.25 | 1.446 | 106.5 | 1.053 | -17.169 | 327.8 | 513.0 | 0.906 | NA | 8.86 | 0.353 | 172.6 | 76.7 | 29.2 | 0.377 |
| | | 12.54 | 8.07 | 20.61 | TWO | 29.272 | 281.0 | -28.4 | 21.3 | | | | | | | | | | |
| 45350.0 | 49210.0 | 0.522 | 243.7 | 0.0 | 7.56 | 1.447 | 101.6 | 1.056 | -16.898 | 337.4 | 512.4 | 0.945 | NA | -5.89 | 0.354 | 172.5 | 77.2 | 27.5 | 0.378 |
| | | 11.26 | 8.08 | 19.34 | ONE | 29.272 | 281.0 | -28.4 | 21.1 | | | | | | | | | | |
| 45360.0 | 49210.0 | 0.458 | 236.7 | -11.8 | 2.52 | 1.446 | 96.6 | 1.058 | -16.697 | 347.1 | 511.9 | 0.972 | NA | -0.79 | 0.355 | 172.4 | 77.3 | 28.1 | 0.378 |
| | | 9.75 | 8.09 | 17.84 | ONE | 29.272 | 281.0 | -28.4 | 20.9 | | | | | | | | | | |
| 45370.0 | 49210.0 | 0.434 | 230.1 | -13.1 | 1.54 | 1.445 | 91.5 | 1.059 | -16.562 | 357.0 | 511.7 | 0.985 | NA | 0.25 | 0.356 | 172.4 | 77.4 | 28.2 | 0.379 |
| | | 9.20 | 8.10 | 17.31 | ONE | 29.272 | 281.0 | -28.4 | 20.8 | | | | | | | | | | |
| 45380.0 | 49210.0 | 0.437 | 222.9 | -12.5 | 1.14 | 1.444 | 86.3 | 1.060 | -16.490 | 7.1 | 151.7 | 0.984D | NA | 0.72 | 0.356 | 172.4 | 77.4 | 28.3 | 0.379 |
| | | 9.26 | 8.11 | 17.37 | ONE | 29.272 | 281.0 | -28.4 | 20.8 | | | | | | | | | | |
| 45390.0 | 49210.0 | 0.466 | 216.5 | -11.5 | 0.93 | 1.443 | 81.0 | 1.059 | -16.478 | 17.5 | 151.9 | 0.966D | NA | 1.00 | 0.356 | 172.5 | 77.3 | 28.3 | 0.380 |
| | | 9.93 | 8.11 | 18.05 | ONE | 29.272 | 281.0 | -28.4 | 20.8 | | | | | | | | | | |
| 45400.0 | 49210.0 | 0.518 | 212.1 | -10.7 | 0.80 | 1.441 | 75.6 | 1.056 | -16.518 | 28.0 | 152.4 | 0.933D | NA | 1.19 | 0.356 | 172.6 | 77.2 | 28.3 | 0.380 |
| | | 11.17 | 8.12 | 19.29 | ONE | 29.272 | 281.0 | -28.4 | 21.0 | | | | | | | | | | |
| 45410.0 | 49210.0 | 0.588 | 209.8 | -10.4 | 0.73 | 1.439 | 70.1 | 1.053 | -16.607 | 38.7 | 153.2 | 0.883D | NA | 1.35 | 0.356 | 172.8 | 76.9 | 28.3 | 0.380 |
| | | 12.90 | 8.12 | 21.02 | ONE | 29.272 | 281.0 | -28.4 | 21.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449410.0 | | | | | | | | | | | |
| 45330.0 | 49410.0 | 0.609 | 238.2 | -25.2 | -2.19 | 1.440 | 110.9 | 1.035 | -24.872 | 319.0 | 515.6 | 0.861 | NA | 3.76 | 0.326 | 172.3 | 76.1 | 28.6 | 0.353 |
| | | 13.44 | 7.63 | 21.07 | TWO | 30.849 | 282.4 | -28.2 | 23.0 | | | | | | | | | | |
| 45340.0 | 49410.0 | 0.556 | 236.9 | -34.4 | -5.61 | 1.441 | 106.1 | 1.037 | -24.268 | 328.4 | 514.8 | 0.909 | NA | 7.23 | 0.328 | 172.1 | 76.4 | 29.0 | 0.354 |
| | | 12.09 | 7.65 | 19.74 | TWO | 30.849 | 282.4 | -28.2 | 22.8 | | | | | | | | | | |
| 45350.0 | 49410.0 | 0.525 | 244.4 | 5.0 | 9.37 | 1.441 | 101.2 | 1.040 | -23.799 | 338.0 | 514.2 | 0.947 | NA | -7.69 | 0.329 | 172.0 | 76.8 | 27.2 | 0.355 |
| | | 11.35 | 7.66 | 19.01 | ONE | 30.849 | 282.4 | -28.2 | 22.6 | | | | | | | | | | |
| 45360.0 | 49410.0 | 0.450 | 235.8 | -11.2 | 2.59 | 1.440 | 96.3 | 1.041 | -23.458 | 347.7 | 513.8 | 0.973 | NA | -0.86 | 0.330 | 171.9 | 77.0 | 28.1 | 0.355 |
| | | 9.56 | 7.67 | 17.23 | ONE | 30.849 | 282.4 | -28.2 | 22.4 | | | | | | | | | | |
| 45370.0 | 49410.0 | 0.428 | 229.0 | -12.8 | 1.53 | 1.439 | 91.2 | 1.042 | -23.236 | 357.7 | 513.5 | 0.985 | NA | 0.26 | 0.331 | 171.8 | 77.0 | 28.2 | 0.355 |
| | | 9.05 | 7.68 | 16.73 | ONE | 30.849 | 282.4 | -28.2 | 22.3 | | | | | | | | | | |
| 45380.0 | 49410.0 | 0.432 | 221.7 | -12.2 | 1.11 | 1.438 | 86.0 | 1.043 | -23.127 | 7.8 | 153.6 | 0.983D | NA | 0.74 | 0.331 | 171.8 | 77.0 | 28.3 | 0.356 |
| | | 9.15 | 7.68 | 16.83 | ONE | 30.849 | 282.4 | -28.2 | 22.3 | | | | | | | | | | |
| 45390.0 | 49410.0 | 0.463 | 215.5 | -11.2 | 0.90 | 1.437 | 80.7 | 1.042 | -23.122 | 18.1 | 153.8 | 0.965D | NA | 1.02 | 0.331 | 171.9 | 77.0 | 28.3 | 0.356 |
| | | 9.85 | 7.69 | 17.54 | ONE | 30.849 | 282.4 | -28.2 | 22.3 | | | | | | | | | | |
| 45400.0 | 49410.0 | 0.516 | 211.2 | -10.5 | 0.77 | 1.435 | 75.4 | 1.040 | -23.214 | 28.7 | 154.3 | 0.930D | NA | 1.21 | 0.331 | 172.1 | 76.8 | 28.3 | 0.356 |
| | | 11.11 | 7.69 | 18.80 | ONE | 30.849 | 282.4 | -28.2 | 22.5 | | | | | | | | | | |
| 45410.0 | 49410.0 | 0.585 | 209.1 | -10.2 | 0.69 | 1.433 | 69.9 | 1.038 | -23.392 | 39.4 | 155.0 | 0.880D | NA | 1.36 | 0.330 | 172.3 | 76.6 | 28.3 | 0.356 |
| | | 12.83 | 7.69 | 20.53 | ONE | 30.849 | 282.4 | -28.2 | 22.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449610.0 | | | | | | | | | | | |
| 45330.0 | 49610.0 | 0.600 | 237.9 | -24.6 | -1.94 | 1.435 | 110.6 | 1.022 | -38.584 | 319.4 | 517.1 | 0.864 | NA | 3.52 | 0.304 | 171.7 | 75.7 | 28.5 | 0.332 |
| | | 13.20 | 7.27 | 20.48 | TWO | 29.650 | 283.7 | -28.1 | 24.6 | | | | | | | | | | |
| 45340.0 | 49610.0 | 0.543 | 236.8 | -31.7 | -4.48 | 1.436 | 105.8 | 1.024 | -37.313 | 328.8 | 516.4 | 0.911 | NA | 6.11 | 0.305 | 171.5 | 76.0 | 28.9 | 0.333 |
| | | 11.77 | 7.28 | 19.05 | TWO | 29.650 | 283.7 | -28.1 | 24.3 | | | | | | | | | | |
| 45350.0 | 49610.0 | 0.549 | 246.6 | 13.5 | 12.78 | 1.436 | 100.9 | 1.026 | -36.346 | 338.5 | 515.8 | 0.949 | NA | -11.10 | 0.306 | 171.4 | 76.4 | 26.6 | 0.334 |
| | | 11.92 | 7.30 | 19.22 | ONE | 29.650 | 283.7 | -28.1 | 24.2 | | | | | | | | | | |
| 45360.0 | 49610.0 | 0.444 | 235.1 | -10.7 | 2.67 | 1.435 | 95.9 | 1.027 | -35.659 | 348.3 | 515.5 | 0.974 | NA | -0.93 | 0.307 | 171.3 | 76.6 | 28.0 | 0.334 |
| | | 9.41 | 7.30 | 16.71 | ONE | 29.650 | 283.7 | -28.1 | 23.9 | | | | | | | | | | |
| 45370.0 | 49610.0 | 0.422 | 228.1 | -12.5 | 1.52 | 1.434 | 90.9 | 1.028 | -35.227 | 358.2 | 515.3 | 0.986 | NA | 0.27 | 0.308 | 171.2 | 76.6 | 28.2 | 0.334 |
| | | 8.93 | 7.31 | 16.24 | ONE | 29.650 | 283.7 | -28.1 | 23.8 | | | | | | | | | | |
| 45380.0 | 49610.0 | 0.428 | 220.8 | -12.0 | 1.08 | 1.433 | 85.8 | 1.028 | -35.031 | 8.4 | 153.3 | 0.982D | NA | 0.76 | 0.308 | 171.3 | 76.6 | 28.2 | 0.334 |
| | | 9.06 | 7.31 | 16.37 | ONE | 29.650 | 283.7 | -28.1 | 23.8 | | | | | | | | | | |
| 45390.0 | 49610.0 | 0.460 | 214.6 | -11.0 | 0.87 | 1.432 | 80.5 | 1.027 | -35.056 | 18.7 | 155.5 | 0.963D | NA | 1.04 | 0.308 | 171.3 | 76.6 | 28.3 | 0.335 |
| | | 9.78 | 7.31 | 17.09 | ONE | 29.650 | 283.7 | -28.1 | 23.9 | | | | | | | | | | |
| 45400.0 | 49610.0 | 0.513 | 210.5 | -10.3 | 0.74 | 1.430 | 75.2 | 1.026 | -35.283 | 29.2 | 156.0 | 0.928D | NA | 1.23 | 0.308 | 171.5 | 76.4 | 28.3 | 0.335 |
| | | 11.05 | 7.32 | 18.36 | ONE | 29.650 | 283.7 | -28.1 | 24.0 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45410.0 | 49610.0 | 0.583<br>12.77 | 208.6<br>7.32 | -10.1<br>20.09 | 0.66<br>ONE | 1.428<br>29.650 | 69.8<br>283.7 | 1.025<br>-28.1 | -35.695<br>24.3 | 39.9 | 156.7 | 0.878D | NA | 1.37 | 0.307 | 171.7 | 76.1 | 28.3 | 0.335 |
| | | | | | | | | ARRIVAL DATE = 2449810.0 | | | | | | | | | | | |
| 45330.0 | 49810.0 | 0.593<br>13.02 | 237.8<br>6.96 | -24.1<br>19.97 | -1.71<br>TWO | 1.431<br>30.360 | 110.3<br>285.0 | 1.012<br>-28.0 | -72.666<br>26.2 | 319.6 | 518.6 | 0.866 | NA | 3.31 | 0.283 | 171.1 | 75.3 | 28.5 | 0.313 |
| 45340.0 | 49810.0 | 0.533<br>11.53 | 236.8<br>6.97 | -29.7<br>18.50 | -3.65<br>TWO | 1.431<br>30.360 | 105.5<br>285.0 | 1.013<br>-28.0 | -68.736<br>25.9 | 329.1 | 517.9 | 0.913 | NA | 5.29 | 0.284 | 170.9 | 75.5 | 28.8 | 0.314 |
| 45350.0 | 49810.0 | 0.649<br>14.45 | 253.8<br>7.00 | 30.1<br>21.45 | 21.40<br>ONE | 1.431<br>30.360 | 100.6<br>285.0 | 1.014<br>-28.0 | -65.880<br>26.2 | 338.9 | 517.4 | 0.950 | NA | -19.71 | 0.286 | 170.7 | 75.8 | 25.2 | 0.316 |
| 45360.0 | 49810.0 | 0.438<br>9.29 | 234.6<br>6.98 | -10.2<br>16.27 | 2.77<br>ONE | 1.431<br>30.360 | 95.7<br>285.0 | 1.015<br>-28.0 | -63.924<br>25.5 | 348.7 | 517.0 | 0.975 | NA | -1.03 | 0.286 | 170.7 | 76.1 | 27.9 | 0.315 |
| 45370.0 | 49810.0 | 0.418<br>8.83 | 227.4<br>6.99 | -12.4<br>15.81 | 1.50<br>ONE | 1.430<br>30.360 | 90.7<br>285.0 | 1.016<br>-28.0 | -62.745<br>25.4 | 358.6 | 516.9 | 0.986 | NA | 0.29 | 0.287 | 170.6 | 76.2 | 28.1 | 0.315 |
| 45380.0 | 49810.0 | 0.424<br>8.98 | 220.1<br>6.99 | -11.9<br>15.97 | 1.05<br>ONE | 1.429<br>30.360 | 85.6<br>285.0 | 1.016<br>-28.0 | -62.261<br>25.4 | 8.8 | 156.9 | 0.982D | NA | 0.79 | 0.287 | 170.6 | 76.2 | 28.2 | 0.315 |
| 45390.0 | 49810.0 | 0.457<br>9.71 | 214.0<br>6.99 | -10.9<br>16.71 | 0.83<br>ONE | 1.427<br>30.360 | 80.4<br>285.0 | 1.015<br>-28.0 | -62.413<br>25.5 | 19.1 | 157.1 | 0.962D | NA | 1.06 | 0.287 | 170.7 | 76.1 | 28.2 | 0.315 |
| 45400.0 | 49810.0 | 0.510<br>10.98 | 210.0<br>7.00 | -10.2<br>17.98 | 0.71<br>ONE | 1.425<br>30.360 | 75.1<br>285.0 | 1.015<br>-28.0 | -63.161<br>25.6 | 29.6 | 157.6 | 0.927D | NA | 1.25 | 0.287 | 170.9 | 75.9 | 28.2 | 0.316 |
| 45410.0 | 49810.0 | 0.580<br>12.70 | 208.2<br>7.00 | -10.0<br>19.70 | 0.63<br>ONE | 1.423<br>30.360 | 69.7<br>285.0 | 1.014<br>-28.0 | -64.473<br>25.9 | 40.2 | 158.3 | 0.876D | NA | 1.39 | 0.286 | 171.1 | 75.6 | 28.2 | 0.316 |
| | | | | | | | | ARRIVAL DATE = 2450010.0 | | | | | | | | | | | |
| 45330.0 | 50010.0 | 0.587<br>12.87 | 237.7<br>6.68 | -23.7<br>19.55 | -1.52<br>TWO | 1.427<br>30.176 | 110.1<br>286.4 | 1.003<br>-27.8 | *******<br>27.8 | 319.8 | 520.0 | 0.867 | NA | 3.12 | 0.264 | 170.5 | 74.7 | 28.4 | 0.296 |
| 45340.0 | 50010.0 | 0.526<br>11.36 | 236.9<br>6.69 | -28.1<br>18.05 | -3.02<br>TWO | 1.428<br>30.176 | 105.3<br>286.4 | 1.004<br>-27.8 | *******<br>27.5 | 329.4 | 519.3 | 0.915 | NA | 4.67 | 0.265 | 170.3 | 75.0 | 28.7 | 0.297 |
| 45360.0 | 50010.0 | 0.434<br>9.19 | 234.3<br>6.70 | -9.7<br>15.90 | 2.89<br>ONE | 1.427<br>30.176 | 95.5<br>286.4 | 1.005<br>-27.8 | *******<br>27.1 | 348.9 | 518.5 | 0.975 | NA | -1.14 | 0.267 | 170.0 | 75.6 | 27.9 | 0.297 |
| 45370.0 | 50010.0 | 0.414<br>8.74 | 226.9<br>6.71 | -12.2<br>15.45 | 1.49<br>ONE | 1.426<br>30.176 | 90.5<br>286.4 | 1.005<br>-27.8 | *******<br>27.0 | 358.9 | 518.4 | 0.986 | NA | 0.30 | 0.268 | 170.0 | 75.7 | 28.1 | 0.298 |
| 45380.0 | 50010.0 | 0.421<br>8.90 | 219.6<br>6.71 | -11.8<br>15.61 | 1.02<br>ONE | 1.425<br>30.176 | 85.4<br>286.4 | 1.005<br>-27.8 | *******<br>27.0 | 9.1 | 158.4 | 0.981D | NA | 0.82 | 0.268 | 170.0 | 75.7 | 28.2 | 0.298 |
| 45390.0 | 50010.0 | 0.454<br>9.65 | 213.5<br>6.71 | -10.8<br>16.37 | 0.80<br>ONE | 1.423<br>30.176 | 80.3<br>286.4 | 1.005<br>-27.8 | *******<br>27.1 | 19.4 | 158.6 | 0.962D | NA | 1.09 | 0.268 | 170.1 | 75.6 | 28.2 | 0.298 |
| 45400.0 | 50010.0 | 0.508<br>10.92 | 209.6<br>6.72 | -10.2<br>17.64 | 0.67<br>ONE | 1.422<br>30.176 | 75.0<br>286.4 | 1.005<br>-27.8 | *******<br>27.3 | 29.9 | 159.1 | 0.926D | NA | 1.27 | 0.267 | 170.3 | 75.4 | 28.2 | 0.298 |
| 45410.0 | 50010.0 | 0.577<br>12.64 | 207.9<br>6.72 | -10.0<br>19.36 | 0.60<br>ONE | 1.420<br>30.176 | 69.7<br>286.4 | 1.004<br>-27.8 | *******<br>27.5 | 40.5 | 159.7 | 0.875D | NA | 1.40 | 0.267 | 170.5 | 75.1 | 28.2 | 0.298 |
| | | | | | | | | ARRIVAL DATE = 2450210.0 | | | | | | | | | | | |
| 45330.0 | 50210.0 | 0.582<br>12.75 | 237.7<br>6.45 | -23.3<br>19.20 | -1.34<br>TWO | 1.424<br>29.804 | 110.0<br>287.7 | 0.995<br>-27.6 | 179.704<br>29.5 | 319.9 | 521.3 | 0.868 | 358.540A | 2.95 | 0.247 | 169.8 | 74.2 | 28.3 | 0.281 |
| 45340.0 | 50210.0 | 0.520<br>11.22 | 237.0<br>6.45 | -26.8<br>17.68 | -2.52<br>TWO | 1.424<br>29.804 | 105.2<br>287.7 | 0.995<br>-27.6 | 202.977<br>29.2 | 329.5 | 520.7 | 0.915 | 405.038A | 4.17 | 0.248 | 169.6 | 74.5 | 28.6 | 0.281 |
| 45360.0 | 50210.0 | 0.431<br>9.12 | 234.2<br>6.46 | -9.1<br>15.58 | 3.04<br>ONE | 1.424<br>29.804 | 95.4<br>287.7 | 0.996<br>-27.6 | 246.652<br>28.8 | 349.1 | 519.9 | 0.976 | 492.329A | -1.29 | 0.250 | 169.3 | 75.1 | 27.8 | 0.282 |
| 45370.0 | 50210.0 | 0.410<br>8.66 | 226.6<br>6.46 | -12.2<br>15.13 | 1.47<br>ONE | 1.423<br>29.804 | 90.4<br>287.7 | 0.996<br>-27.6 | 260.913<br>28.7 | 359.1 | 519.8 | 0.986 | 520.841A | 0.32 | 0.250 | 169.3 | 75.2 | 28.0 | 0.282 |
| 45380.0 | 50210.0 | 0.418<br>8.84 | 219.2<br>6.47 | -11.8<br>15.31 | 0.99<br>ONE | 1.422<br>29.804 | 85.4<br>287.7 | 0.996<br>-27.6 | 266.304<br>28.7 | 9.3 | 159.8 | 0.981D | 531.627A | 0.85 | 0.250 | 169.3 | 75.1 | 28.1 | 0.282 |
| 45390.0 | 50210.0 | 0.451<br>9.59 | 213.2<br>6.47 | -10.8<br>16.06 | 0.76<br>ONE | 1.420<br>29.804 | 80.2<br>287.7 | 0.996<br>-27.6 | 262.031<br>28.8 | 19.6 | 160.0 | 0.961D | 523.102A | 1.12 | 0.250 | 169.4 | 75.0 | 28.2 | 0.282 |
| 45400.0 | 50210.0 | 0.505<br>10.86 | 209.4<br>6.47 | -10.2<br>17.34 | 0.64<br>ONE | 1.418<br>29.804 | 75.0<br>287.7 | 0.996<br>-27.6 | 249.614<br>29.0 | 30.0 | 160.4 | 0.926D | 498.302A | 1.29 | 0.250 | 169.6 | 74.8 | 28.2 | 0.282 |
| 45410.0 | 50210.0 | 0.575<br>12.56 | 207.7<br>6.48 | -10.0<br>19.04 | 0.56<br>ONE | 1.416<br>29.804 | 69.7<br>287.7 | 0.996<br>-27.6 | 232.014<br>29.2 | 40.6 | 161.0 | 0.875D | 463.153A | 1.42 | 0.249 | 169.9 | 74.5 | 28.1 | 0.283 |
| | | | | | | | | ARRIVAL DATE = 2450410.0 | | | | | | | | | | | |
| 45320.0 | 50410.0 | 0.648<br>14.44 | 236.1<br>6.23 | -21.5<br>20.67 | -0.84<br>TWO | 1.421<br>30.688 | 114.6<br>289.0 | 0.989<br>-27.5 | 71.632<br>31.7 | 310.5 | 523.2 | 0.812 | 142.452A | 2.42 | 0.229 | 169.4 | 73.1 | 28.1 | 0.266 |
| 45330.0 | 50410.0 | 0.578<br>12.66 | 237.7<br>6.24 | -22.9<br>18.90 | -1.18<br>TWO | 1.421<br>30.688 | 109.9<br>289.0 | 0.988<br>-27.5 | 75.358<br>31.3 | 320.0 | 522.5 | 0.869 | 149.848A | 2.80 | 0.230 | 169.1 | 73.5 | 28.3 | 0.267 |
| 45340.0 | 50410.0 | 0.516<br>11.12 | 237.2<br>6.24 | -25.8<br>17.36 | -2.11<br>TWO | 1.422<br>30.688 | 105.1<br>289.0 | 0.988<br>-27.5 | 78.804<br>31.0 | 329.6 | 521.9 | 0.916 | 156.692A | 3.78 | 0.232 | 168.9 | 73.9 | 28.5 | 0.267 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45350.0 | 50410.0 | 0.523 | 227.6 | -52.6 | -11.88 | 1.422 | 100.3 | 0.988 | 81.759 | 339.3 | 521.5 | 0.952 | 162.566A | 13.59 | 0.233 | 168.7 | 73.7 | 30.1 | 0.268 |
| | | 11.29 | 6.26 | 17.54 | TWO | 30.688 | 289.0 | -27.5 | 31.0 | | | | | | | | | | |
| 45360.0 | 50410.0 | 0.428 | 234.2 | -8.4 | 3.23 | 1.421 | 95.4 | 0.988 | 84.020 | 349.2 | 521.2 | 0.976 | 167.064A | -1.48 | 0.233 | 168.6 | 74.5 | 27.7 | 0.267 |
| | | 9.06 | 6.25 | 15.31 | ONE | 30.688 | 289.0 | -27.5 | 30.5 | | | | | | | | | | |
| 45370.0 | 50410.0 | 0.407 | 226.4 | -12.2 | 1.45 | 1.420 | 90.4 | 0.988 | 85.424 | 359.3 | 521.1 | 0.986 | 169.862A | 0.34 | 0.234 | 168.5 | 74.6 | 28.0 | 0.267 |
| | | 8.60 | 6.25 | 14.85 | ONE | 30.688 | 289.0 | -27.5 | 30.4 | | | | | | | | | | |
| 45380.0 | 50410.0 | 0.416 | 219.0 | -11.9 | 0.95 | 1.419 | 85.3 | 0.989 | 85.881 | 9.4 | 161.1 | 0.981D | 170.780A | 0.88 | 0.234 | 168.6 | 74.5 | 28.1 | 0.268 |
| | | 8.78 | 6.26 | 15.04 | ONE | 30.688 | 289.0 | -27.5 | 30.4 | | | | | | | | | | |
| 45390.0 | 50410.0 | 0.449 | 213.0 | -10.9 | 0.73 | 1.417 | 80.2 | 0.989 | 85.393 | 19.7 | 161.3 | 0.961D | 169.824A | 1.15 | 0.234 | 168.7 | 74.4 | 28.1 | 0.268 |
| | | 9.53 | 6.26 | 15.79 | ONE | 30.688 | 289.0 | -27.5 | 30.5 | | | | | | | | | | |
| 45400.0 | 50410.0 | 0.503 | 209.2 | -10.2 | 0.60 | 1.416 | 75.0 | 0.989 | 84.057 | 30.1 | 161.7 | 0.926D | 167.188A | 1.32 | 0.233 | 168.9 | 74.2 | 28.1 | 0.268 |
| | | 10.80 | 6.26 | 17.06 | ONE | 30.688 | 289.0 | -27.5 | 30.7 | | | | | | | | | | |
| 45410.0 | 50410.0 | 0.572 | 207.6 | -10.1 | 0.53 | 1.414 | 69.8 | 0.989 | 82.039 | 40.7 | 162.2 | 0.875D | 163.203A | 1.44 | 0.233 | 169.2 | 73.9 | 28.1 | 0.268 |
| | | 12.49 | 6.27 | 18.75 | ONE | 30.688 | 289.0 | -27.5 | 31.0 | | | | | | | | | | |
| ARRIVAL DATE = 2450610.0 | | | | | | | | | | | | | | | | | | | |
| 45320.0 | 50610.0 | 0.646 | 236.3 | -21.4 | -0.75 | 1.418 | 114.6 | 0.983 | 48.604 | 310.4 | 524.3 | 0.812 | 96.396A | 2.34 | 0.214 | 168.6 | 72.4 | 28.0 | 0.253 |
| | | 14.38 | 6.05 | 20.43 | TWO | 29.343 | 290.4 | -27.3 | 33.5 | | | | | | | | | | |
| 45330.0 | 50610.0 | 0.576 | 237.9 | -22.6 | -1.03 | 1.419 | 109.9 | 0.983 | 50.146 | 319.9 | 523.6 | 0.869 | 99.423A | 2.67 | 0.215 | 168.3 | 72.9 | 28.2 | 0.254 |
| | | 12.60 | 6.06 | 18.65 | TWO | 29.343 | 290.4 | -27.3 | 33.1 | | | | | | | | | | |
| 45340.0 | 50610.0 | 0.513 | 237.4 | -24.9 | -1.78 | 1.419 | 105.1 | 0.982 | 51.517 | 329.6 | 523.1 | 0.916 | 102.118A | 3.45 | 0.217 | 168.1 | 73.2 | 28.4 | 0.254 |
| | | 11.05 | 6.06 | 17.11 | TWO | 29.343 | 290.4 | -27.3 | 32.7 | | | | | | | | | | |
| 45350.0 | 50610.0 | 0.482 | 231.1 | -40.4 | -7.11 | 1.419 | 100.2 | 0.982 | 52.651 | 339.3 | 522.7 | 0.952 | 104.350A | 8.82 | 0.218 | 167.9 | 73.3 | 29.4 | 0.254 |
| | | 10.29 | 6.07 | 16.36 | TWO | 29.343 | 290.4 | -27.3 | 32.6 | | | | | | | | | | |
| 45360.0 | 50610.0 | 0.427 | 234.4 | -7.5 | 3.48 | 1.419 | 95.3 | 0.982 | 53.491 | 349.3 | 522.4 | 0.976 | 106.007A | -1.73 | 0.218 | 167.8 | 73.9 | 27.5 | 0.254 |
| | | 9.03 | 6.06 | 15.09 | ONE | 29.343 | 290.4 | -27.3 | 32.3 | | | | | | | | | | |
| 45370.0 | 50610.0 | 0.405 | 226.3 | -12.2 | 1.42 | 1.418 | 90.4 | 0.982 | 53.995 | 359.3 | 522.3 | 0.986 | 107.005A | 0.36 | 0.219 | 167.8 | 73.9 | 27.9 | 0.254 |
| | | 8.55 | 6.07 | 14.61 | ONE | 29.343 | 290.4 | -27.3 | 32.2 | | | | | | | | | | |
| 45380.0 | 50610.0 | 0.413 | 218.9 | -12.0 | 0.91 | 1.417 | 85.3 | 0.982 | 54.143 | 9.4 | 162.3 | 0.981D | 107.305A | 0.91 | 0.219 | 167.8 | 73.9 | 28.0 | 0.255 |
| | | 8.73 | 6.07 | 14.80 | ONE | 29.343 | 290.4 | -27.3 | 32.2 | | | | | | | | | | |
| 45390.0 | 50610.0 | 0.446 | 212.9 | -11.0 | 0.69 | 1.415 | 80.2 | 0.982 | 53.941 | 19.7 | 162.5 | 0.961D | 106.921A | 1.18 | 0.219 | 167.9 | 73.8 | 28.0 | 0.255 |
| | | 9.48 | 6.07 | 15.55 | ONE | 29.343 | 290.4 | -27.3 | 32.3 | | | | | | | | | | |
| 45400.0 | 50610.0 | 0.500 | 209.2 | -10.3 | 0.57 | 1.413 | 75.1 | 0.983 | 53.420 | 30.1 | 162.9 | 0.926D | 105.914A | 1.34 | 0.218 | 168.1 | 73.5 | 28.0 | 0.255 |
| | | 10.73 | 6.08 | 16.81 | ONE | 29.343 | 290.4 | -27.3 | 32.5 | | | | | | | | | | |
| 45410.0 | 50610.0 | 0.568 | 207.6 | -10.1 | 0.49 | 1.411 | 69.9 | 0.983 | 52.631 | 40.6 | 163.4 | 0.876D | 104.386A | 1.46 | 0.218 | 168.4 | 73.2 | 28.0 | 0.255 |
| | | 12.41 | 6.08 | 18.49 | ONE | 29.343 | 290.4 | -27.3 | 32.8 | | | | | | | | | | |
| 45420.0 | 50610.0 | 0.647 | 207.9 | -10.5 | 0.45 | 1.409 | 64.6 | 0.984 | 51.640 | 51.2 | 164.1 | 0.813D | 102.468A | 1.55 | 0.217 | 168.8 | 72.8 | 28.0 | 0.256 |
| | | 14.41 | 6.09 | 20.49 | ONE | 29.343 | 290.4 | -27.3 | 33.1 | | | | | | | | | | |
| ARRIVAL DATE = 2450810.0 | | | | | | | | | | | | | | | | | | | |
| 45320.0 | 50810.0 | 0.645 | 236.4 | -21.2 | -0.66 | 1.416 | 114.6 | 0.979 | 37.994 | 310.2 | 525.3 | 0.812 | 75.176A | 2.27 | 0.200 | 167.9 | 71.6 | 28.0 | 0.242 |
| | | 14.34 | 5.89 | 20.24 | TWO | 31.026 | 291.7 | -27.1 | 35.4 | | | | | | | | | | |
| 45330.0 | 50810.0 | 0.574 | 238.1 | -22.4 | -0.90 | 1.417 | 109.9 | 0.978 | 38.853 | 319.8 | 524.7 | 0.869 | 76.838A | 2.55 | 0.202 | 167.5 | 72.1 | 28.1 | 0.242 |
| | | 12.56 | 5.90 | 18.45 | TWO | 31.026 | 291.7 | -27.1 | 34.9 | | | | | | | | | | |
| 45340.0 | 50810.0 | 0.511 | 237.7 | -24.2 | -1.49 | 1.417 | 105.1 | 0.977 | 39.604 | 329.5 | 524.2 | 0.916 | 78.292A | 3.18 | 0.203 | 167.3 | 72.5 | 28.3 | 0.242 |
| | | 11.00 | 5.90 | 16.89 | TWO | 31.026 | 291.7 | -27.1 | 34.6 | | | | | | | | | | |
| 45350.0 | 50810.0 | 0.467 | 232.9 | -34.0 | -4.80 | 1.417 | 100.2 | 0.976 | 40.215 | 339.3 | 523.8 | 0.952 | 79.479A | 6.52 | 0.204 | 167.1 | 72.6 | 28.9 | 0.242 |
| | | 9.96 | 5.90 | 15.86 | TWO | 31.026 | 291.7 | -27.1 | 34.4 | | | | | | | | | | |
| 45360.0 | 50810.0 | 0.426 | 234.9 | -6.3 | 3.85 | 1.417 | 95.3 | 0.976 | 40.661 | 349.2 | 523.5 | 0.976 | 80.346A | -2.10 | 0.204 | 167.0 | 73.2 | 27.4 | 0.242 |
| | | 9.01 | 5.90 | 14.92 | ONE | 31.026 | 291.7 | -27.1 | 34.1 | | | | | | | | | | |
| 45370.0 | 50810.0 | 0.403 | 226.4 | -12.3 | 1.39 | 1.416 | 90.4 | 0.976 | 40.922 | 359.2 | 523.4 | 0.986 | 80.859A | 0.39 | 0.205 | 166.9 | 73.2 | 27.8 | 0.243 |
| | | 8.50 | 5.90 | 14.40 | ONE | 31.026 | 291.7 | -27.1 | 34.0 | | | | | | | | | | |
| 45380.0 | 50810.0 | 0.411 | 218.9 | -12.1 | 0.87 | 1.414 | 85.4 | 0.976 | 40.992 | 9.4 | 163.5 | 0.981D | 81.004A | 0.95 | 0.205 | 167.0 | 73.2 | 27.9 | 0.243 |
| | | 8.68 | 5.91 | 14.58 | ONE | 31.026 | 291.7 | -27.1 | 34.0 | | | | | | | | | | |
| 45390.0 | 50810.0 | 0.444 | 213.0 | -11.1 | 0.65 | 1.413 | 80.3 | 0.976 | 40.875 | 19.7 | 163.6 | 0.961D | 80.789A | 1.21 | 0.205 | 167.1 | 73.1 | 28.0 | 0.243 |
| | | 9.42 | 5.91 | 15.33 | ONE | 31.026 | 291.7 | -27.1 | 34.1 | | | | | | | | | | |
| 45400.0 | 50810.0 | 0.497 | 209.2 | -10.4 | 0.53 | 1.411 | 75.2 | 0.977 | 40.585 | 30.0 | 164.0 | 0.926D | 80.245A | 1.37 | 0.204 | 167.3 | 72.8 | 28.0 | 0.243 |
| | | 10.66 | 5.91 | 16.58 | ONE | 31.026 | 291.7 | -27.1 | 34.3 | | | | | | | | | | |
| 45410.0 | 50810.0 | 0.565 | 207.7 | -10.3 | 0.46 | 1.409 | 70.0 | 0.978 | 40.149 | 40.5 | 164.5 | 0.877D | 79.420A | 1.48 | 0.204 | 167.6 | 72.5 | 27.9 | 0.244 |
| | | 12.32 | 5.92 | 18.24 | ONE | 31.026 | 291.7 | -27.1 | 34.6 | | | | | | | | | | |
| 45420.0 | 50810.0 | 0.643 | 208.0 | -10.6 | 0.42 | 1.407 | 64.8 | 0.979 | 39.596 | 51.1 | 165.1 | 0.814D | 78.378A | 1.56 | 0.203 | 168.0 | 72.1 | 27.9 | 0.244 |
| | | 14.31 | 5.92 | 20.23 | ONE | 31.026 | 291.7 | -27.1 | 35.0 | | | | | | | | | | |
| ARRIVAL DATE = 2451010.0 | | | | | | | | | | | | | | | | | | | |
| 45320.0 | 51010.0 | 0.644 | 236.7 | -21.1 | -0.58 | 1.415 | 114.7 | 0.975 | 31.923 | 310.0 | 526.3 | 0.811 | 63.035A | 2.21 | 0.187 | 167.0 | 70.8 | 27.8 | 0.231 |
| | | 14.33 | 5.76 | 20.08 | TWO | 29.112 | 293.0 | -26.8 | 37.3 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45330.0 | 51010.0 | 0.573 | 238.4 | -22.1 | -0.78 | 1.415 | 109.9 | 0.973 | 32.481 | 319.6 | 525.7 | 0.868 | 64.094A | 2.44 | 0.189 | 166.7 | 71.3 | 28.0 | 0.231 |
| | | 12.53 | 5.76 | 18.29 | TWO | 29.112 | 293.0 | -26.8 | 36.8 | | | | | | | | | | |
| 45340.0 | 51010.0 | 0.510 | 238.0 | -23.6 | -1.25 | 1.416 | 105.1 | 0.972 | 32.964 | 329.3 | 525.2 | 0.915 | 65.012A | 2.95 | 0.190 | 166.4 | 71.7 | 28.1 | 0.231 |
| | | 10.96 | 5.76 | 16.72 | TWO | 29.112 | 293.0 | -26.8 | 36.5 | | | | | | | | | | |
| 45350.0 | 51010.0 | 0.461 | 234.1 | -30.1 | -3.45 | 1.415 | 100.3 | 0.971 | 33.353 | 339.1 | 524.8 | 0.952 | 65.755A | 5.17 | 0.191 | 166.2 | 71.9 | 28.6 | 0.232 |
| | | 9.81 | 5.76 | 15.57 | TWO | 29.112 | 293.0 | -26.8 | 36.2 | | | | | | | | | | |
| 45360.0 | 51010.0 | 0.427 | 235.5 | -4.6 | 4.41 | 1.415 | 95.4 | 0.971 | 33.634 | 349.1 | 524.6 | 0.976 | 66.292A | -2.65 | 0.192 | 166.1 | 72.4 | 27.1 | 0.232 |
| | | 9.03 | 5.76 | 14.79 | ONE | 29.112 | 293.0 | -26.8 | 36.0 | | | | | | | | | | |
| 45370.0 | 51010.0 | 0.401 | 226.6 | -12.5 | 1.36 | 1.414 | 90.4 | 0.971 | 33.797 | 359.1 | 524.5 | 0.986 | 66.608A | 0.42 | 0.192 | 166.0 | 72.5 | 27.7 | 0.232 |
| | | 8.46 | 5.76 | 14.22 | ONE | 29.112 | 293.0 | -26.8 | 35.9 | | | | | | | | | | |
| 45380.0 | 51010.0 | 0.409 | 219.1 | -12.3 | 0.82 | 1.413 | 85.4 | 0.971 | 33.837 | 9.3 | 164.5 | 0.981D | 66.693A | 0.99 | 0.192 | 166.1 | 72.4 | 27.9 | 0.232 |
| | | 8.63 | 5.76 | 14.39 | ONE | 29.112 | 293.0 | -26.8 | 35.9 | | | | | | | | | | |
| 45390.0 | 51010.0 | 0.441 | 213.1 | -11.3 | 0.60 | 1.411 | 80.4 | 0.972 | 33.758 | 19.5 | 164.7 | 0.962D | 66.554A | 1.25 | 0.192 | 166.2 | 72.3 | 27.9 | 0.232 |
| | | 9.36 | 5.76 | 15.13 | ONE | 29.112 | 293.0 | -26.8 | 36.0 | | | | | | | | | | |
| 45400.0 | 51010.0 | 0.494 | 209.4 | -10.6 | 0.49 | 1.409 | 75.3 | 0.972 | 33.568 | 29.9 | 165.0 | 0.927D | 66.208A | 1.39 | 0.191 | 166.4 | 72.1 | 27.9 | 0.232 |
| | | 10.59 | 5.77 | 16.36 | ONE | 29.112 | 293.0 | -26.8 | 36.2 | | | | | | | | | | |
| 45410.0 | 51010.0 | 0.561 | 207.9 | -10.4 | 0.42 | 1.407 | 70.1 | 0.974 | 33.282 | 40.3 | 165.5 | 0.878D | 65.686A | 1.50 | 0.191 | 166.7 | 71.7 | 27.9 | 0.233 |
| | | 12.23 | 5.77 | 18.01 | ONE | 29.112 | 293.0 | -26.8 | 36.5 | | | | | | | | | | |
| 45420.0 | 51010.0 | 0.639 | 208.2 | -10.8 | 0.38 | 1.405 | 64.9 | 0.975 | 32.920 | 50.8 | 166.1 | 0.816D | 65.023A | 1.58 | 0.190 | 167.2 | 71.3 | 27.8 | 0.233 |
| | | 14.20 | 5.78 | 19.98 | ONE | 29.112 | 293.0 | -26.8 | 36.9 | | | | | | | | | | |

ARRIVAL DATE = 2451210.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45320.0 | 51210.0 | 0.644 | 237.0 | -21.0 | -0.51 | 1.413 | 114.7 | 0.971 | 28.013 | 309.7 | 527.2 | 0.809 | 55.218A | 2.15 | 0.175 | 166.2 | 70.0 | 27.7 | 0.222 |
| | | 14.33 | 5.63 | 19.97 | TWO | 31.086 | 294.3 | -26.6 | 39.2 | | | | | | | | | | |
| 45330.0 | 51210.0 | 0.573 | 238.7 | -21.9 | -0.67 | 1.414 | 110.0 | 0.969 | 28.411 | 319.4 | 526.7 | 0.867 | 55.956A | 2.34 | 0.177 | 165.8 | 70.5 | 27.9 | 0.222 |
| | | 12.53 | 5.63 | 18.16 | TWO | 31.086 | 294.3 | -26.6 | 38.8 | | | | | | | | | | |
| 45340.0 | 51210.0 | 0.509 | 238.4 | -23.1 | -1.05 | 1.414 | 105.2 | 0.968 | 28.753 | 329.1 | 526.2 | 0.915 | 56.592A | 2.75 | 0.178 | 165.5 | 70.9 | 28.0 | 0.222 |
| | | 10.95 | 5.63 | 16.58 | TWO | 31.086 | 294.3 | -26.6 | 38.4 | | | | | | | | | | |
| 45350.0 | 51210.0 | 0.457 | 235.0 | -27.6 | -2.55 | 1.414 | 100.4 | 0.967 | 29.028 | 338.9 | 525.8 | 0.951 | 57.104A | 4.28 | 0.179 | 165.3 | 71.2 | 28.4 | 0.222 |
| | | 9.73 | 5.63 | 15.37 | TWO | 31.086 | 294.3 | -26.6 | 38.1 | | | | | | | | | | |
| 45360.0 | 51210.0 | 0.431 | 236.6 | -1.7 | 5.37 | 1.413 | 95.5 | 0.967 | 29.224 | 348.9 | 525.6 | 0.975 | 57.473A | -3.62 | 0.179 | 165.1 | 71.7 | 26.8 | 0.222 |
| | | 9.12 | 5.63 | 14.75 | ONE | 31.086 | 294.3 | -26.6 | 37.9 | | | | | | | | | | |
| 45370.0 | 51210.0 | 0.400 | 226.8 | -12.7 | 1.32 | 1.412 | 90.5 | 0.966 | 29.337 | 358.9 | 525.5 | 0.986 | 57.688A | 0.46 | 0.180 | 165.1 | 71.7 | 27.7 | 0.222 |
| | | 8.43 | 5.63 | 14.06 | ONE | 31.086 | 294.3 | -26.6 | 37.8 | | | | | | | | | | |
| 45380.0 | 51210.0 | 0.407 | 219.3 | -12.6 | 0.77 | 1.411 | 85.5 | 0.967 | 29.363 | 9.1 | 165.5 | 0.981D | 57.745A | 1.04 | 0.180 | 165.1 | 71.6 | 27.8 | 0.222 |
| | | 8.58 | 5.64 | 14.22 | ONE | 31.086 | 294.3 | -26.6 | 37.8 | | | | | | | | | | |
| 45390.0 | 51210.0 | 0.439 | 213.3 | -11.5 | 0.55 | 1.410 | 80.5 | 0.967 | 29.305 | 19.3 | 165.7 | 0.962D | 57.647A | 1.28 | 0.180 | 165.3 | 71.5 | 27.8 | 0.222 |
| | | 9.30 | 5.64 | 14.94 | ONE | 31.086 | 294.3 | -26.6 | 37.9 | | | | | | | | | | |
| 45400.0 | 51210.0 | 0.491 | 209.6 | -10.8 | 0.45 | 1.408 | 75.4 | 0.968 | 29.168 | 29.6 | 166.0 | 0.928D | 57.408A | 1.42 | 0.179 | 165.5 | 71.3 | 27.8 | 0.222 |
| | | 10.52 | 5.64 | 16.16 | ONE | 31.086 | 294.3 | -26.6 | 38.1 | | | | | | | | | | |
| 45410.0 | 51210.0 | 0.558 | 208.1 | -10.6 | 0.38 | 1.406 | 70.3 | 0.970 | 28.962 | 40.1 | 166.4 | 0.880D | 57.045A | 1.52 | 0.179 | 165.8 | 70.9 | 27.8 | 0.223 |
| | | 12.14 | 5.65 | 17.79 | ONE | 31.086 | 294.3 | -26.6 | 38.4 | | | | | | | | | | |
| 45420.0 | 51210.0 | 0.635 | 208.4 | -10.9 | 0.34 | 1.404 | 65.1 | 0.971 | 28.701 | 50.5 | 167.0 | 0.818D | 56.583A | 1.59 | 0.178 | 166.3 | 70.5 | 27.7 | 0.223 |
| | | 14.09 | 5.65 | 19.74 | ONE | 31.086 | 294.3 | -26.6 | 38.8 | | | | | | | | | | |

ARRIVAL DATE = 2451410.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45320.0 | 51410.0 | 0.645 | 237.3 | -20.9 | -0.43 | 1.412 | 114.9 | 0.968 | 25.302 | 309.4 | 528.1 | 0.807 | 49.796A | 2.09 | 0.164 | 165.2 | 69.1 | 27.6 | 0.213 |
| | | 14.35 | 5.52 | 19.88 | TWO | 29.179 | 295.6 | -26.4 | 41.2 | | | | | | | | | | |
| 45330.0 | 51410.0 | 0.574 | 239.0 | -21.7 | -0.57 | 1.412 | 110.1 | 0.966 | 25.604 | 319.1 | 527.6 | 0.865 | 50.342A | 2.25 | 0.165 | 164.8 | 69.6 | 27.7 | 0.213 |
| | | 12.54 | 5.52 | 18.06 | TWO | 29.179 | 295.6 | -26.4 | 40.7 | | | | | | | | | | |
| 45340.0 | 51410.0 | 0.509 | 238.9 | -22.7 | -0.86 | 1.413 | 105.3 | 0.965 | 25.862 | 328.8 | 527.1 | 0.914 | 50.811A | 2.57 | 0.167 | 164.5 | 70.0 | 27.9 | 0.213 |
| | | 10.95 | 5.52 | 16.47 | TWO | 29.179 | 295.6 | -26.4 | 40.3 | | | | | | | | | | |
| 45350.0 | 51410.0 | 0.456 | 235.8 | -25.8 | -1.92 | 1.412 | 100.5 | 0.964 | 26.069 | 338.7 | 526.8 | 0.951 | 51.187A | 3.66 | 0.168 | 164.3 | 70.3 | 28.2 | 0.213 |
| | | 9.70 | 5.52 | 15.22 | TWO | 29.179 | 295.6 | -26.4 | 40.0 | | | | | | | | | | |
| 45360.0 | 51410.0 | 0.443 | 238.7 | 4.4 | 7.43 | 1.412 | 95.6 | 0.963 | 26.216 | 348.7 | 526.6 | 0.975 | 51.457A | -5.67 | 0.168 | 164.1 | 70.9 | 26.2 | 0.213 |
| | | 9.40 | 5.52 | 14.92 | ONE | 29.179 | 295.6 | -26.4 | 39.9 | | | | | | | | | | |
| 45370.0 | 51410.0 | 0.398 | 227.2 | -13.0 | 1.28 | 1.411 | 90.6 | 0.963 | 26.300 | 358.7 | 526.5 | 0.986 | 51.615A | 0.50 | 0.169 | 164.1 | 70.8 | 27.6 | 0.213 |
| | | 8.40 | 5.52 | 13.92 | ONE | 29.179 | 295.6 | -26.4 | 39.7 | | | | | | | | | | |
| 45380.0 | 51410.0 | 0.405 | 219.7 | -12.9 | 0.71 | 1.410 | 85.7 | 0.963 | 26.319 | 8.8 | 166.5 | 0.982D | 51.656A | 1.09 | 0.169 | 164.1 | 70.8 | 27.7 | 0.213 |
| | | 8.54 | 5.52 | 14.07 | ONE | 29.179 | 295.6 | -26.4 | 39.7 | | | | | | | | | | |
| 45390.0 | 51410.0 | 0.436 | 213.7 | -11.8 | 0.50 | 1.408 | 80.6 | 0.963 | 26.274 | 19.1 | 166.6 | 0.963D | 51.584A | 1.33 | 0.168 | 164.3 | 70.7 | 27.7 | 0.213 |
| | | 9.24 | 5.53 | 14.77 | ONE | 29.179 | 295.6 | -26.4 | 39.8 | | | | | | | | | | |
| 45400.0 | 51410.0 | 0.488 | 209.9 | -11.0 | 0.40 | 1.406 | 75.6 | 0.964 | 26.169 | 29.4 | 166.9 | 0.930D | 51.408A | 1.46 | 0.168 | 164.5 | 70.4 | 27.7 | 0.213 |
| | | 10.44 | 5.53 | 15.97 | ONE | 29.179 | 295.6 | -26.4 | 40.0 | | | | | | | | | | |
| 45410.0 | 51410.0 | 0.554 | 208.3 | -10.8 | 0.34 | 1.404 | 70.5 | 0.966 | 26.011 | 39.7 | 167.3 | 0.882D | 51.141A | 1.54 | 0.167 | 164.8 | 70.1 | 27.7 | 0.214 |
| | | 12.05 | 5.54 | 17.58 | ONE | 29.179 | 295.6 | -26.4 | 40.3 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45420.0 | 51410.0 | 0.630<br>13.97 | 208.6<br>5.54 | -11.1<br>19.52 | 0.31<br>ONE | 1.402<br>29.179 | 65.3<br>295.6 | 0.968<br>-26.4 | 25.811<br>40.7 | 50.2 | 167.8 | 0.821D | 50.8COA | 1.61 | 0.166 | 165.3 | 69.7 | 27.6 | 0.214 |
| ARRIVAL DATE = 2451610.0 | | | | | | | | | | | | | | | | | | | |
| 45320.0 | 51610.0 | 0.646<br>14.39 | 237.6<br>5.43 | -20.9<br>19.82 | -0.37<br>TWO | 1.410<br>30.848 | 115.0<br>296.9 | 0.965<br>-26.1 | 23.323<br>43.2 | 309.0 | 528.9 | 0.805 | 45.840A | 2.04 | 0.154 | 164.2 | 68.2 | 27.5 | 0.205 |
| 45330.0 | 51610.0 | 0.575<br>12.57 | 239.4<br>5.43 | -21.6<br>17.99 | -0.47<br>TWO | 1.411<br>30.848 | 110.2<br>296.9 | 0.963<br>-26.1 | 23.562<br>42.7 | 318.7 | 528.4 | 0.864 | 46.261A | 2.17 | 0.155 | 163.8 | 68.7 | 27.6 | 0.205 |
| 45340.0 | 51610.0 | 0.510<br>10.97 | 239.4<br>5.43 | -22.4<br>16.39 | -0.70<br>TWO | 1.411<br>30.848 | 105.4<br>296.9 | 0.962<br>-26.1 | 23.767<br>42.3 | 328.5 | 528.0 | 0.912 | 46.622A | 2.42 | 0.156 | 163.5 | 69.2 | 27.7 | 0.205 |
| 45350.0 | 51610.0 | 0.455<br>9.68 | 236.6<br>5.42 | -24.4<br>15.11 | -1.45<br>TWO | 1.411<br>30.848 | 100.6<br>296.9 | 0.960<br>-26.1 | 23.930<br>42.0 | 338.4 | 527.7 | 0.950 | 46.910A | 3.19 | 0.157 | 163.2 | 69.5 | 28.0 | 0.204 |
| 45360.0 | 51610.0 | 0.516<br>11.13 | 245.4<br>5.44 | 23.3<br>16.56 | 14.80<br>ONE | 1.411<br>30.848 | 95.7<br>296.9 | 0.959<br>-26.1 | 24.046<br>42.1 | 348.4 | 527.5 | 0.975 | 47.118A | -13.04 | 0.158 | 163.1 | 70.1 | 24.4 | 0.205 |
| 45370.0 | 51610.0 | 0.397<br>8.37 | 227.7<br>5.42 | -13.3<br>13.80 | 1.22<br>ONE | 1.410<br>30.848 | 90.8<br>296.9 | 0.959<br>-26.1 | 24.112<br>41.7 | 358.4 | 527.4 | 0.986 | 47.239A | 0.56 | 0.158 | 163.0 | 69.9 | 27.4 | 0.204 |
| 45380.0 | 51610.0 | 0.403<br>8.50 | 220.1<br>5.43 | -13.2<br>13.93 | 0.65<br>ONE | 1.408<br>30.848 | 85.8<br>296.9 | 0.959<br>-26.1 | 24.127<br>41.7 | 8.5 | 167.4 | 0.982D | 47.271A | 1.15 | 0.158 | 163.1 | 69.9 | 27.6 | 0.205 |
| 45390.0 | 51610.0 | 0.434<br>9.18 | 214.0<br>5.43 | -12.1<br>14.61 | 0.45<br>ONE | 1.407<br>30.848 | 80.8<br>296.9 | 0.960<br>-26.1 | 24.090<br>41.8 | 18.8 | 167.5 | 0.964D | 47.217A | 1.37 | 0.158 | 163.2 | 69.8 | 27.6 | 0.205 |
| 45400.0 | 51610.0 | 0.484<br>10.36 | 210.2<br>5.43 | -11.2<br>15.80 | 0.36<br>ONE | 1.405<br>30.848 | 75.8<br>296.9 | 0.961<br>-26.1 | 24.007<br>42.0 | 29.0 | 167.8 | 0.931D | 47.082A | 1.49 | 0.157 | 163.4 | 69.6 | 27.6 | 0.205 |
| 45410.0 | 51610.0 | 0.550<br>11.95 | 208.6<br>5.44 | -11.0<br>17.39 | 0.30<br>ONE | 1.403<br>30.848 | 70.7<br>296.9 | 0.963<br>-26.1 | 23.881<br>42.3 | 39.4 | 168.1 | 0.884D | 46.878A | 1.57 | 0.157 | 163.8 | 69.2 | 27.5 | 0.206 |
| 45420.0 | 51610.0 | 0.626<br>13.86 | 208.9<br>5.45 | -11.3<br>19.30 | 0.27<br>ONE | 1.401<br>30.848 | 65.6<br>296.9 | 0.965<br>-26.1 | 23.720<br>42.7 | 49.8 | 168.6 | 0.824D | 46.616A | 1.63 | 0.156 | 164.3 | 68.8 | 27.5 | 0.206 |
| ARRIVAL DATE = 2451810.0 | | | | | | | | | | | | | | | | | | | |
| 45320.0 | 51810.0 | 0.648<br>14.44 | 238.0<br>5.35 | -20.8<br>19.79 | -0.30<br>TWO | 1.409<br>29.523 | 115.2<br>298.2 | 0.963<br>-25.9 | 21.824<br>45.3 | 308.6 | 529.7 | 0.803 | 42.845A | 1.99 | 0.144 | 163.1 | 67.2 | 27.3 | 0.198 |
| 45330.0 | 51810.0 | 0.576<br>12.61 | 239.9<br>5.34 | -21.5<br>17.95 | -0.39<br>TWO | 1.410<br>29.523 | 110.4<br>298.2 | 0.961<br>-25.9 | 22.021<br>44.8 | 318.3 | 529.2 | 0.862 | 43.180A | 2.09 | 0.145 | 162.7 | 67.8 | 27.4 | 0.197 |
| 45340.0 | 51810.0 | 0.511<br>10.99 | 239.9<br>5.34 | -22.1<br>16.33 | -0.56<br>TWO | 1.410<br>29.523 | 105.6<br>298.2 | 0.959<br>-25.9 | 22.189<br>44.4 | 328.1 | 528.8 | 0.911 | 43.466A | 2.29 | 0.146 | 162.3 | 68.2 | 27.6 | 0.197 |
| 45350.0 | 51810.0 | 0.456<br>9.69 | 237.4<br>5.34 | -23.5<br>15.03 | -1.09<br>TWO | 1.410<br>29.523 | 100.7<br>298.2 | 0.958<br>-25.9 | 22.322<br>44.1 | 338.0 | 528.5 | 0.949 | 43.695A | 2.83 | 0.147 | 162.1 | 68.5 | 27.8 | 0.197 |
| 45370.0 | 51810.0 | 0.396<br>8.36 | 228.2<br>5.34 | -13.7<br>13.69 | 1.16<br>ONE | 1.409<br>29.523 | 91.0<br>298.2 | 0.956<br>-25.9 | 22.471<br>43.7 | 358.1 | 528.2 | 0.986 | 43.957A | 0.62 | 0.148 | 161.9 | 69.0 | 27.3 | 0.197 |
| 45380.0 | 51810.0 | 0.401<br>8.46 | 220.6<br>5.34 | -13.6<br>13.80 | 0.58<br>ONE | 1.407<br>29.523 | 86.0<br>298.2 | 0.956<br>-25.9 | 22.483<br>43.7 | 8.2 | 168.2 | 0.983D | 43.983A | 1.22 | 0.148 | 161.9 | 69.0 | 27.5 | 0.197 |
| 45390.0 | 51810.0 | 0.431<br>9.13 | 214.5<br>5.34 | -12.5<br>14.47 | 0.39<br>ONE | 1.406<br>29.523 | 81.0<br>298.2 | 0.957<br>-25.9 | 22.453<br>43.8 | 18.4 | 168.3 | 0.965D | 43.941A | 1.42 | 0.148 | 162.0 | 68.9 | 27.5 | 0.197 |
| 45400.0 | 51810.0 | 0.481<br>10.28 | 210.6<br>5.35 | -11.5<br>15.63 | 0.31<br>ONE | 1.404<br>29.523 | 76.0<br>298.2 | 0.958<br>-25.9 | 22.384<br>44.0 | 28.7 | 168.6 | 0.933D | 43.836A | 1.53 | 0.148 | 162.3 | 68.7 | 27.5 | 0.198 |
| 45410.0 | 51810.0 | 0.546<br>11.85 | 209.0<br>5.35 | -11.2<br>17.20 | 0.26<br>ONE | 1.402<br>29.523 | 70.9<br>298.2 | 0.960<br>-25.9 | 22.281<br>44.3 | 39.0 | 168.9 | 0.886D | 43.675A | 1.60 | 0.147 | 162.7 | 68.3 | 27.4 | 0.198 |
| 45420.0 | 51810.0 | 0.621<br>13.73 | 209.3<br>5.36 | -11.5<br>19.09 | 0.23<br>ONE | 1.400<br>29.523 | 65.8<br>298.2 | 0.963<br>-25.9 | 22.147<br>44.7 | 49.4 | 169.3 | 0.827D | 43.468A | 1.65 | 0.146 | 163.1 | 67.9 | 27.3 | 0.199 |
| ARRIVAL DATE = 2452010.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 52010.0 | 0.578<br>12.66 | 240.3<br>5.27 | -21.4<br>17.93 | -0.30<br>TWO | 1.409<br>30.384 | 110.6<br>299.5 | 0.959<br>-25.6 | 20.823<br>46.9 | 317.9 | 530.0 | 0.859 | 40.787A | 2.02 | 0.136 | 161.5 | 66.8 | 27.3 | 0.191 |
| 45340.0 | 52010.0 | 0.512<br>11.03 | 240.5<br>5.26 | -21.8<br>16.29 | -0.43<br>TWO | 1.409<br>30.384 | 105.8<br>299.5 | 0.957<br>-25.6 | 20.964<br>46.4 | 327.7 | 529.6 | 0.909 | 41.020A | 2.17 | 0.137 | 161.1 | 67.3 | 27.4 | 0.190 |
| 45350.0 | 52010.0 | 0.456<br>9.71 | 238.2<br>5.26 | -22.7<br>14.97 | -0.80<br>TWO | 1.409<br>30.384 | 100.9<br>299.5 | 0.955<br>-25.6 | 21.077<br>46.1 | 337.6 | 529.3 | 0.947 | 41.206A | 2.55 | 0.138 | 160.9 | 67.6 | 27.6 | 0.190 |
| 45360.0 | 52010.0 | 0.434<br>9.20 | 228.8<br>5.27 | -39.0<br>14.47 | -6.13<br>TWO | 1.409<br>30.384 | 96.1<br>299.5 | 0.954<br>-25.6 | 21.157<br>46.0 | 347.6 | 529.1 | 0.973 | 41.341A | 7.90 | 0.139 | 160.7 | 67.5 | 28.9 | 0.190 |
| 45370.0 | 52010.0 | 0.396<br>8.34 | 228.8<br>5.26 | -14.1<br>13.60 | 1.07<br>ONE | 1.408<br>30.384 | 91.1<br>299.5 | 0.954<br>-25.6 | 21.203<br>45.7 | 357.7 | 529.0 | 0.985 | 41.420A | 0.71 | 0.139 | 160.6 | 68.1 | 27.2 | 0.190 |
| 45380.0 | 52010.0 | 0.400<br>8.43 | 221.2<br>5.26 | -14.1<br>13.69 | 0.50<br>ONE | 1.406<br>30.384 | 86.2<br>299.5 | 0.954<br>-25.6 | 21.213<br>45.7 | 7.8 | 169.0 | 0.983D | 41.442A | 1.29 | 0.139 | 160.7 | 68.1 | 27.3 | 0.190 |
| 45390.0 | 52010.0 | 0.428<br>9.07 | 215.0<br>5.26 | -12.8<br>14.33 | 0.33<br>ONE | 1.405<br>30.384 | 81.2<br>299.5 | 0.954<br>-25.6 | 21.188<br>45.8 | 18.0 | 169.1 | 0.966D | 41.409A | 1.47 | 0.139 | 160.8 | 68.0 | 27.4 | 0.190 |
| 45400.0 | 52010.0 | 0.478<br>10.20 | 211.1<br>5.27 | -11.8<br>15.47 | 0.26<br>ONE | 1.403<br>30.384 | 76.2<br>299.5 | 0.956<br>-25.6 | 21.130<br>46.0 | 28.2 | 169.3 | 0.934D | 41.325A | 1.57 | 0.138 | 161.0 | 67.7 | 27.3 | 0.191 |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45410.0 | 52010.0 | 0.542 | 209.4 | -11.5 | 0.21 | 1.401 | 71.2 | 0.958 | 21.042 | 38.5 | 169.6 | 0.889D | 41.196A | 1.63 | 0.138 | 161.4 | 67.4 | 27.3 | 0.191 |
| | | 11.75 | 5.27 | 17.02 | ONE | 30.384 | 299.5 | -25.6 | 46.4 | | | | | | | | | | |
| 45420.0 | 52010.0 | 0.616 | 209.6 | -11.7 | 0.19 | 1.399 | 66.1 | 0.960 | 20.930 | 48.9 | 170.1 | 0.830D | 41.029A | 1.67 | 0.137 | 161.9 | 66.9 | 27.2 | 0.192 |
| | | 13.61 | 5.28 | 18.89 | ONE | 30.384 | 299.5 | -25.6 | 46.8 | | | | | | | | | | |
| ARRIVAL DATE = 2452210.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 52210.0 | 0.581 | 240.9 | -21.3 | -0.23 | 1.408 | 110.8 | 0.957 | 19.872 | 317.4 | 530.7 | 0.857 | 38.888A | 1.96 | 0.127 | 160.2 | 65.8 | 27.1 | 0.185 |
| | | 12.72 | 5.20 | 17.92 | TWO | 30.038 | 300.8 | -25.3 | 49.0 | | | | | | | | | | |
| 45340.0 | 52210.0 | 0.514 | 241.1 | -21.6 | -0.32 | 1.409 | 106.0 | 0.955 | 19.994 | 327.3 | 530.3 | 0.907 | 39.081A | 2.06 | 0.128 | 159.8 | 66.3 | 27.2 | 0.184 |
| | | 11.08 | 5.20 | 16.28 | TWO | 30.038 | 300.8 | -25.3 | 48.5 | | | | | | | | | | |
| 45350.0 | 52210.0 | 0.458 | 239.0 | -22.1 | -0.56 | 1.408 | 101.1 | 0.953 | 20.091 | 337.2 | 530.1 | 0.946 | 39.236A | 2.31 | 0.129 | 159.5 | 66.6 | 27.4 | 0.184 |
| | | 9.74 | 5.19 | 14.93 | TWO | 30.038 | 300.8 | -25.3 | 48.2 | | | | | | | | | | |
| 45360.0 | 52210.0 | 0.419 | 232.8 | -28.2 | -2.64 | 1.408 | 96.3 | 0.952 | 20.160 | 347.2 | 529.9 | 0.973 | 39.347A | 4.41 | 0.130 | 159.4 | 66.8 | 27.9 | 0.184 |
| | | 8.86 | 5.19 | 14.06 | TWO | 30.038 | 300.8 | -25.3 | 48.0 | | | | | | | | | | |
| 45370.0 | 52210.0 | 0.395 | 229.4 | -14.7 | 0.96 | 1.407 | 91.3 | 0.951 | 20.199 | 357.2 | 529.8 | 0.985 | 39.414A | 0.82 | 0.130 | 159.3 | 67.1 | 27.1 | 0.184 |
| | | 8.33 | 5.19 | 13.52 | ONE | 30.038 | 300.8 | -25.3 | 47.8 | | | | | | | | | | |
| 45380.0 | 52210.0 | 0.398 | 221.8 | -14.6 | 0.41 | 1.406 | 86.4 | 0.951 | 20.208 | 7.4 | 169.8 | 0.984D | 39.433A | 1.38 | 0.130 | 159.3 | 67.1 | 27.2 | 0.184 |
| | | 8.39 | 5.19 | 13.59 | ONE | 30.038 | 300.8 | -25.3 | 47.8 | | | | | | | | | | |
| 45390.0 | 52210.0 | 0.426 | 215.6 | -13.3 | 0.27 | 1.404 | 81.4 | 0.952 | 20.187 | 17.5 | 169.9 | 0.967D | 39.408A | 1.53 | 0.130 | 159.5 | 67.0 | 27.2 | 0.184 |
| | | 9.01 | 5.20 | 14.20 | ONE | 30.038 | 300.8 | -25.3 | 47.9 | | | | | | | | | | |
| 45400.0 | 52210.0 | 0.474 | 211.6 | -12.2 | 0.20 | 1.402 | 76.5 | 0.954 | 20.138 | 27.8 | 170.1 | 0.936D | 39.339A | 1.61 | 0.130 | 159.7 | 66.8 | 27.2 | 0.184 |
| | | 10.12 | 5.20 | 15.32 | ONE | 30.038 | 300.8 | -25.3 | 48.1 | | | | | | | | | | |
| 45410.0 | 52210.0 | 0.537 | 209.9 | -11.7 | 0.17 | 1.400 | 71.4 | 0.956 | 20.063 | 38.0 | 170.4 | 0.892D | 39.234A | 1.66 | 0.129 | 160.1 | 66.4 | 27.1 | 0.185 |
| | | 11.64 | 5.21 | 16.85 | ONE | 30.038 | 300.8 | -25.3 | 48.4 | | | | | | | | | | |
| 45420.0 | 52210.0 | 0.611 | 210.0 | -11.9 | 0.15 | 1.398 | 66.4 | 0.958 | 19.965 | 48.4 | 170.7 | 0.834D | 39.097A | 1.69 | 0.128 | 160.6 | 66.0 | 27.1 | 0.186 |
| | | 13.48 | 5.21 | 18.70 | ONE | 30.038 | 300.8 | -25.3 | 48.8 | | | | | | | | | | |
| ARRIVAL DATE = 2452410.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 52410.0 | 0.584 | 241.4 | -21.2 | -0.15 | 1.408 | 111.0 | 0.955 | 19.104 | 316.9 | 531.4 | 0.854 | 37.355A | 1.90 | 0.119 | 158.8 | 64.8 | 26.9 | 0.179 |
| | | 12.79 | 5.14 | 17.94 | TWO | 29.829 | 302.0 | -25.0 | 51.1 | | | | | | | | | | |
| 45340.0 | 52410.0 | 0.517 | 241.7 | -21.5 | -0.21 | 1.408 | 106.2 | 0.953 | 19.211 | 326.8 | 531.0 | 0.905 | 37.517A | 1.97 | 0.120 | 158.4 | 65.3 | 27.0 | 0.179 |
| | | 11.14 | 5.14 | 16.27 | TWO | 29.829 | 302.0 | -25.0 | 50.6 | | | | | | | | | | |
| 45350.0 | 52410.0 | 0.459 | 239.8 | -21.7 | -0.36 | 1.408 | 101.3 | 0.951 | 19.296 | 336.7 | 530.8 | 0.945 | 37.647A | 2.12 | 0.121 | 158.1 | 65.6 | 27.1 | 0.178 |
| | | 9.77 | 5.14 | 14.91 | TWO | 29.829 | 302.0 | -25.0 | 50.3 | | | | | | | | | | |
| 45360.0 | 52410.0 | 0.417 | 234.7 | -23.9 | -1.29 | 1.407 | 96.5 | 0.950 | 19.357 | 346.7 | 530.6 | 0.972 | 37.742A | 3.06 | 0.122 | 157.9 | 65.8 | 27.4 | 0.178 |
| | | 8.82 | 5.13 | 13.96 | TWO | 29.829 | 302.0 | -25.0 | 50.1 | | | | | | | | | | |
| 45370.0 | 52410.0 | 0.395 | 230.1 | -15.5 | 0.80 | 1.406 | 91.6 | 0.949 | 19.392 | 356.8 | 530.5 | 0.985 | 37.798A | 0.98 | 0.122 | 157.8 | 66.1 | 26.9 | 0.178 |
| | | 8.32 | 5.13 | 13.45 | ONE | 29.829 | 302.0 | -25.0 | 49.9 | | | | | | | | | | |
| 45380.0 | 52410.0 | 0.396 | 222.5 | -15.2 | 0.31 | 1.405 | 86.6 | 0.949 | 19.400 | 6.9 | 170.5 | 0.984D | 37.816A | 1.47 | 0.122 | 157.9 | 66.1 | 27.1 | 0.178 |
| | | 8.36 | 5.13 | 13.49 | ONE | 29.829 | 302.0 | -25.0 | 49.9 | | | | | | | | | | |
| 45390.0 | 52410.0 | 0.423 | 216.2 | -13.7 | 0.20 | 1.403 | 81.7 | 0.950 | 19.382 | 17.1 | 170.6 | 0.968D | 37.796A | 1.60 | 0.122 | 158.0 | 66.0 | 27.1 | 0.178 |
| | | 8.95 | 5.14 | 14.08 | ONE | 29.829 | 302.0 | -25.0 | 50.0 | | | | | | | | | | |
| 45400.0 | 52410.0 | 0.470 | 212.2 | -12.5 | 0.15 | 1.401 | 76.7 | 0.951 | 19.339 | 27.3 | 170.8 | 0.938D | 37.740A | 1.65 | 0.122 | 158.3 | 65.8 | 27.1 | 0.179 |
| | | 10.03 | 5.14 | 15.17 | ONE | 29.829 | 302.0 | -25.0 | 50.2 | | | | | | | | | | |
| 45410.0 | 52410.0 | 0.533 | 210.3 | -12.0 | 0.12 | 1.399 | 71.7 | 0.954 | 19.274 | 37.5 | 171.0 | 0.894D | 37.653A | 1.69 | 0.121 | 158.7 | 65.4 | 27.0 | 0.179 |
| | | 11.53 | 5.15 | 16.68 | ONE | 29.829 | 302.0 | -25.0 | 50.5 | | | | | | | | | | |
| 45420.0 | 52410.0 | 0.606 | 210.5 | -12.2 | 0.10 | 1.397 | 66.7 | 0.956 | 19.188 | 47.8 | 171.4 | 0.837D | 37.539A | 1.71 | 0.120 | 159.2 | 65.0 | 26.9 | 0.180 |
| | | 13.35 | 5.15 | 18.51 | ONE | 29.829 | 302.0 | -25.0 | 50.9 | | | | | | | | | | |
| ARRIVAL DATE = 2452610.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 52610.0 | 0.587 | 242.0 | -21.1 | -0.09 | 1.407 | 111.3 | 0.954 | 18.476 | 316.4 | 532.0 | 0.851 | 36.101A | 1.84 | 0.111 | 157.3 | 63.7 | 26.7 | 0.174 |
| | | 12.88 | 5.09 | 17.97 | TWO | 30.563 | 303.3 | -24.7 | 53.2 | | | | | | | | | | |
| 45340.0 | 52610.0 | 0.519 | 242.4 | -21.3 | -0.12 | 1.407 | 106.4 | 0.951 | 18.571 | 326.3 | 531.7 | 0.903 | 36.239A | 1.88 | 0.112 | 156.9 | 64.2 | 26.8 | 0.174 |
| | | 11.20 | 5.09 | 16.29 | TWO | 30.563 | 303.3 | -24.7 | 52.8 | | | | | | | | | | |
| 45350.0 | 52610.0 | 0.461 | 240.8 | -21.3 | -0.19 | 1.407 | 101.6 | 0.949 | 18.646 | 336.2 | 531.5 | 0.943 | 36.350A | 1.96 | 0.113 | 156.6 | 64.6 | 26.9 | 0.173 |
| | | 9.82 | 5.08 | 14.90 | TWO | 30.563 | 303.3 | -24.7 | 52.4 | | | | | | | | | | |
| 45360.0 | 52610.0 | 0.418 | 236.1 | -21.8 | -0.57 | 1.406 | 96.7 | 0.948 | 18.701 | 346.2 | 531.3 | 0.971 | 36.431A | 2.34 | 0.114 | 156.4 | 64.9 | 27.1 | 0.173 |
| | | 8.83 | 5.08 | 13.91 | TWO | 30.563 | 303.3 | -24.7 | 52.2 | | | | | | | | | | |
| 45370.0 | 52610.0 | 0.394 | 230.8 | -16.5 | 0.57 | 1.405 | 91.8 | 0.947 | 18.732 | 356.3 | 531.2 | 0.985 | 36.480A | 1.21 | 0.115 | 156.3 | 65.1 | 26.8 | 0.173 |
| | | 8.31 | 5.08 | 13.39 | ONE | 30.563 | 303.3 | -24.7 | 52.0 | | | | | | | | | | |
| 45380.0 | 52610.0 | 0.395 | 223.3 | -15.8 | 0.19 | 1.404 | 86.9 | 0.947 | 18.740 | 6.4 | 171.2 | 0.985D | 36.496A | 1.59 | 0.115 | 156.3 | 65.1 | 26.9 | 0.173 |
| | | 8.33 | 5.08 | 13.41 | ONE | 30.563 | 303.3 | -24.7 | 52.0 | | | | | | | | | | |
| 45390.0 | 52610.0 | 0.420 | 216.9 | -14.2 | 0.12 | 1.403 | 82.0 | 0.948 | 18.725 | 16.5 | 171.3 | 0.970D | 36.480A | 1.67 | 0.114 | 156.5 | 65.0 | 26.9 | 0.173 |
| | | 8.89 | 5.08 | 13.97 | ONE | 30.563 | 303.3 | -24.7 | 52.1 | | | | | | | | | | |
| 45400.0 | 52610.0 | 0.467 | 212.8 | -12.9 | 0.09 | 1.401 | 77.0 | 0.950 | 18.687 | 26.7 | 171.4 | 0.940D | 36.434A | 1.70 | 0.114 | 156.7 | 64.8 | 26.9 | 0.174 |
| | | 9.95 | 5.09 | 15.03 | ONE | 30.563 | 303.3 | -24.7 | 52.3 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45410.0 | 52610.0 | 0.528 | 210.9 | -12.4 | 0.07 | 1.399 | 72.0 | 0.952 | 18.674 | 37.0 | 171.7 | 0.897D | 36.361A | 1.72 | 0.113 | 157.1 | 64.5 | 26.8 | 0.174 |
| | | 11.42 | 5.09 | 16.51 | ONE | 30.563 | 303.3 | -24.7 | 52.6 | | | | | | | | | | |
| 45420.0 | 52610.0 | 0.601 | 210.9 | -12.4 | 0.06 | 1.397 | 67.0 | 0.955 | 18.554 | 47.2 | 172.0 | 0.841D | 36.266A | 1.74 | 0.112 | 157.7 | 64.0 | 26.7 | 0.175 |
| | | 13.22 | 5.10 | 18.32 | ONE | 30.563 | 303.3 | -24.7 | 53.0 | | | | | | | | | | |
| ARRIVAL DATE = 2452810.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 52810.0 | 0.591 | 242.5 | -21.1 | -0.02 | 1.406 | 111.5 | 0.953 | 17.956 | 315.8 | 532.6 | 0.848 | 35.065A | 1.79 | 0.104 | 155.7 | 62.7 | 26.5 | 0.170 |
| | | 12.97 | 5.05 | 18.02 | TWO | 29.344 | 304.6 | -24.4 | 55.4 | | | | | | | | | | |
| 45340.0 | 52810.0 | 0.523 | 243.1 | -21.2 | -0.03 | 1.407 | 106.7 | 0.950 | 18.041 | 325.7 | 532.3 | 0.900 | 35.183A | 1.80 | 0.105 | 155.3 | 63.2 | 26.6 | 0.169 |
| | | 11.28 | 5.04 | 16.32 | TWO | 29.344 | 304.6 | -24.4 | 54.9 | | | | | | | | | | |
| 45350.0 | 52810.0 | 0.464 | 241.5 | -21.0 | -0.05 | 1.406 | 101.8 | 0.948 | 18.110 | 335.6 | 532.1 | 0.941 | 35.278A | 1.82 | 0.106 | 154.9 | 63.6 | 26.7 | 0.169 |
| | | 9.88 | 5.04 | 14.91 | TWO | 29.344 | 304.6 | -24.4 | 54.5 | | | | | | | | | | |
| 45360.0 | 52810.0 | 0.419 | 237.4 | -20.5 | -0.12 | 1.406 | 97.0 | 0.947 | 18.159 | 345.7 | 531.9 | 0.970 | 35.348A | 1.89 | 0.107 | 154.7 | 63.9 | 26.8 | 0.168 |
| | | 8.86 | 5.03 | 13.89 | TWO | 29.344 | 304.6 | -24.4 | 54.3 | | | | | | | | | | |
| 45370.0 | 52810.0 | 0.394 | 231.4 | -18.0 | 0.20 | 1.405 | 92.1 | 0.946 | 18.188 | 355.7 | 531.8 | 0.984 | 35.391A | 1.58 | 0.107 | 154.6 | 64.1 | 26.7 | 0.168 |
| | | 8.31 | 5.03 | 13.35 | ONE | 29.344 | 304.6 | -24.4 | 54.1 | | | | | | | | | | |
| 45380.0 | 52810.0 | 0.394 | 224.0 | -16.6 | 0.06 | 1.404 | 87.2 | 0.946 | 18.195 | 5.8 | 171.8 | 0.985D | 35.406A | 1.72 | 0.107 | 154.6 | 64.1 | 26.8 | 0.168 |
| | | 8.30 | 5.03 | 13.34 | ONE | 29.344 | 304.6 | -24.4 | 54.1 | | | | | | | | | | |
| 45390.0 | 52810.0 | 0.418 | 217.7 | -14.7 | 0.03 | 1.402 | 82.2 | 0.947 | 18.182 | 16.0 | 171.9 | 0.971D | 35.393A | 1.74 | 0.107 | 154.8 | 64.0 | 26.8 | 0.169 |
| | | 8.83 | 5.04 | 13.87 | ONE | 29.344 | 304.6 | -24.4 | 54.2 | | | | | | | | | | |
| 45400.0 | 52810.0 | 0.463 | 213.4 | -13.4 | 0.02 | 1.400 | 77.3 | 0.948 | 18.149 | 26.2 | 172.0 | 0.943D | 35.355A | 1.75 | 0.107 | 155.0 | 63.8 | 26.7 | 0.169 |
| | | 9.86 | 5.04 | 14.90 | ONE | 29.344 | 304.6 | -24.4 | 54.4 | | | | | | | | | | |
| 45410.0 | 52810.0 | 0.524 | 211.4 | -12.7 | 0.02 | 1.398 | 72.3 | 0.950 | 18.097 | 36.4 | 172.3 | 0.900D | 35.294A | 1.76 | 0.106 | 155.5 | 63.5 | 26.7 | 0.170 |
| | | 11.31 | 5.05 | 16.36 | ONE | 29.344 | 304.6 | -24.4 | 54.7 | | | | | | | | | | |
| 45420.0 | 52810.0 | 0.595 | 211.4 | -12.7 | 0.02 | 1.396 | 67.3 | 0.953 | 18.030 | 46.6 | 172.6 | 0.845D | 35.214A | 1.76 | 0.105 | 156.0 | 63.1 | 26.6 | 0.170 |
| | | 13.09 | 5.05 | 18.14 | ONE | 29.344 | 304.6 | -24.4 | 55.0 | | | | | | | | | | |
| ARRIVAL DATE = 2453010.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 53010.0 | 0.595 | 243.1 | -21.1 | 0.04 | 1.406 | 111.8 | 0.952 | 17.523 | 315.2 | 533.2 | 0.844 | 34.201A | 1.74 | 0.097 | 154.0 | 61.7 | 26.3 | 0.166 |
| | | 13.07 | 5.01 | 18.08 | TWO | 30.935 | 305.8 | -24.0 | 57.5 | | | | | | | | | | |
| 45340.0 | 53010.0 | 0.526 | 243.8 | -21.1 | 0.05 | 1.406 | 107.0 | 0.949 | 17.600 | 325.1 | 532.9 | 0.897 | 34.303A | 1.73 | 0.099 | 153.5 | 62.2 | 26.4 | 0.165 |
| | | 11.36 | 5.00 | 16.36 | TWO | 30.935 | 305.8 | -24.0 | 57.0 | | | | | | | | | | |
| 45350.0 | 53010.0 | 0.466 | 242.4 | -20.8 | 0.08 | 1.406 | 102.1 | 0.947 | 17.662 | 335.1 | 532.7 | 0.939 | 34.386A | 1.70 | 0.100 | 153.1 | 62.6 | 26.5 | 0.164 |
| | | 9.94 | 5.00 | 14.93 | TWO | 30.935 | 305.8 | -24.0 | 56.7 | | | | | | | | | | |
| 45360.0 | 53010.0 | 0.421 | 238.5 | -19.7 | 0.18 | 1.405 | 97.2 | 0.945 | 17.707 | 345.1 | 532.6 | 0.968 | 34.446A | 1.59 | 0.100 | 152.9 | 62.9 | 26.5 | 0.164 |
| | | 8.89 | 4.99 | 13.89 | TWO | 30.935 | 305.8 | -24.0 | 56.4 | | | | | | | | | | |
| 45370.0 | 53010.0 | 0.395 | 231.7 | -20.7 | -0.51 | 1.404 | 92.4 | 0.945 | 17.734 | 355.2 | 532.5 | 0.984 | 34.484A | 2.28 | 0.101 | 152.8 | 63.0 | 26.7 | 0.164 |
| | | 8.32 | 4.99 | 13.32 | ONE | 30.935 | 305.8 | -24.0 | 56.3 | | | | | | | | | | |
| 45380.0 | 53010.0 | 0.393 | 224.9 | -17.4 | -0.11 | 1.403 | 87.4 | 0.944 | 17.742 | 5.3 | 172.4 | 0.986D | 34.498A | 1.88 | 0.101 | 152.8 | 63.1 | 26.7 | 0.164 |
| | | 8.28 | 4.99 | 13.27 | ONE | 30.935 | 305.8 | -24.0 | 56.2 | | | | | | | | | | |
| 45390.0 | 53010.0 | 0.415 | 218.5 | -15.3 | -0.06 | 1.402 | 82.5 | 0.945 | 17.730 | 15.4 | 172.5 | 0.972D | 34.488A | 1.83 | 0.101 | 153.0 | 63.0 | 26.6 | 0.164 |
| | | 8.78 | 4.99 | 13.77 | ONE | 30.935 | 305.8 | -24.0 | 56.3 | | | | | | | | | | |
| 45400.0 | 53010.0 | 0.459 | 214.1 | -13.8 | -0.04 | 1.400 | 77.6 | 0.947 | 17.701 | 25.6 | 172.6 | 0.945D | 34.457A | 1.81 | 0.100 | 153.2 | 62.8 | 26.6 | 0.165 |
| | | 9.78 | 5.00 | 14.77 | ONE | 30.935 | 305.8 | -24.0 | 56.5 | | | | | | | | | | |
| 45410.0 | 53010.0 | 0.519 | 212.0 | -13.1 | -0.03 | 1.398 | 72.6 | 0.949 | 17.654 | 35.8 | 172.8 | 0.903D | 34.405A | 1.80 | 0.099 | 153.6 | 62.5 | 26.5 | 0.165 |
| | | 11.20 | 5.00 | 16.20 | ONE | 30.935 | 305.8 | -24.0 | 56.8 | | | | | | | | | | |
| 45420.0 | 53010.0 | 0.590 | 211.9 | -13.0 | -0.03 | 1.396 | 67.6 | 0.952 | 17.593 | 46.0 | 173.1 | 0.849D | 34.337A | 1.79 | 0.098 | 154.2 | 62.1 | 26.4 | 0.166 |
| | | 12.95 | 5.01 | 17.96 | ONE | 30.935 | 305.8 | -24.0 | 57.1 | | | | | | | | | | |
| ARRIVAL DATE = 2453210.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 53210.0 | 0.599 | 243.8 | -21.0 | 0.10 | 1.405 | 112.1 | 0.951 | 17.159 | 314.6 | 533.8 | 0.841 | 33.477A | 1.70 | 0.091 | 152.0 | 60.6 | 26.1 | 0.162 |
| | | 13.18 | 4.97 | 18.15 | TWO | 29.071 | 307.1 | -23.7 | 59.7 | | | | | | | | | | |
| 45340.0 | 53210.0 | 0.530 | 244.6 | -21.1 | 0.13 | 1.406 | 107.3 | 0.948 | 17.230 | 324.5 | 533.5 | 0.894 | 33.565A | 1.66 | 0.092 | 151.5 | 61.1 | 26.2 | 0.161 |
| | | 11.45 | 4.97 | 16.42 | TWO | 29.071 | 307.1 | -23.7 | 59.2 | | | | | | | | | | |
| 45350.0 | 53210.0 | 0.469 | 243.3 | -20.6 | 0.19 | 1.405 | 102.4 | 0.946 | 17.287 | 334.5 | 533.3 | 0.937 | 33.637A | 1.59 | 0.093 | 151.2 | 61.6 | 26.3 | 0.161 |
| | | 10.01 | 4.96 | 14.97 | TWO | 29.071 | 307.1 | -23.7 | 58.8 | | | | | | | | | | |
| 45360.0 | 53210.0 | 0.423 | 239.6 | -19.2 | 0.40 | 1.405 | 97.5 | 0.944 | 17.329 | 344.5 | 533.1 | 0.967 | 33.690A | 1.37 | 0.094 | 151.0 | 61.9 | 26.3 | 0.160 |
| | | 8.94 | 4.96 | 13.90 | TWO | 29.071 | 307.1 | -23.7 | 58.5 | | | | | | | | | | |
| 45370.0 | 53210.0 | 0.398 | 231.1 | -27.2 | -2.33 | 1.404 | 92.6 | 0.943 | 17.354 | 354.6 | 533.1 | 0.984 | 33.723A | 4.10 | 0.094 | 150.8 | 61.8 | 27.1 | 0.160 |
| | | 8.40 | 4.96 | 13.35 | ONE | 29.071 | 307.1 | -23.7 | 58.4 | | | | | | | | | | |
| 45380.0 | 53210.0 | 0.392 | 225.7 | -18.4 | -0.30 | 1.403 | 87.7 | 0.943 | 17.361 | 4.7 | 173.0 | 0.986D | 33.736A | 2.07 | 0.095 | 150.8 | 62.0 | 26.5 | 0.160 |
| | | 8.26 | 4.96 | 13.21 | ONE | 29.071 | 307.1 | -23.7 | 58.3 | | | | | | | | | | |
| 45390.0 | 53210.0 | 0.413 | 219.3 | -16.0 | -0.16 | 1.401 | 82.8 | 0.944 | 17.351 | 14.8 | 173.1 | 0.974D | 33.729A | 1.93 | 0.094 | 151.0 | 62.0 | 26.5 | 0.160 |
| | | 8.72 | 4.96 | 13.68 | ONE | 29.071 | 307.1 | -23.7 | 58.4 | | | | | | | | | | |
| 45400.0 | 53210.0 | 0.456 | 214.8 | -14.3 | -0.12 | 1.399 | 77.9 | 0.945 | 17.325 | 24.9 | 173.2 | 0.947D | 33.703A | 1.87 | 0.094 | 151.3 | 61.8 | 26.4 | 0.161 |
| | | 9.69 | 4.96 | 14.65 | ONE | 29.071 | 307.1 | -23.7 | 58.6 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45410.0 | 53210.0 | 0.515 | 212.7 | -13.4 | -0.09 | 1.397 | 72.9 | 0.948 | 17.283 | 35.1 | 173.4 | 0.907D | 33.660A | 1.84 | 0.093 | 151.7 | 61.5 | 26.3 | 0.161 |
| | | 11.08 | 4.97 | 16.05 | ONE | 29.071 | 307.1 | -23.7 | 58.8 | | | | | | | | | | |
| 45420.0 | 53210.0 | 0.585 | 212.5 | -13.3 | -0.08 | 1.395 | 68.0 | 0.950 | 17.228 | 45.3 | 173.6 | 0.853D | 33.602A | 1.82 | 0.092 | 152.2 | 61.1 | 26.2 | 0.162 |
| | | 12.81 | 4.98 | 17.79 | ONE | 29.071 | 307.1 | -23.7 | 59.2 | | | | | | | | | | |
| ARRIVAL DATE = 2453410.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 53410.0 | 0.604 | 244.4 | -21.0 | 0.15 | 1.405 | 112.4 | 0.950 | 16.851 | 313.9 | 534.3 | 0.837 | 32.866A | 1.66 | 0.085 | 149.9 | 59.6 | 25.8 | 0.159 |
| | | 13.29 | 4.94 | 18.24 | TWO | 31.038 | 308.3 | -23.3 | 61.8 | | | | | | | | | | |
| 45340.0 | 53410.0 | 0.534 | 245.3 | -21.0 | 0.19 | 1.405 | 107.6 | 0.947 | 16.917 | 323.8 | 534.1 | 0.891 | 32.943A | 1.60 | 0.086 | 149.4 | 60.1 | 25.9 | 0.158 |
| | | 11.55 | 4.94 | 16.48 | TWO | 31.038 | 308.3 | -23.3 | 61.3 | | | | | | | | | | |
| 45350.0 | 53410.0 | 0.472 | 244.2 | -20.5 | 0.29 | 1.405 | 102.7 | 0.945 | 16.970 | 333.8 | 533.9 | 0.935 | 33.006A | 1.50 | 0.087 | 149.1 | 60.6 | 26.0 | 0.157 |
| | | 10.08 | 4.93 | 15.01 | TWO | 31.038 | 308.3 | -23.3 | 60.9 | | | | | | | | | | |
| 45360.0 | 53410.0 | 0.425 | 240.7 | -18.8 | 0.57 | 1.405 | 97.8 | 0.943 | 17.009 | 343.9 | 533.7 | 0.966 | 33.053A | 1.21 | 0.088 | 148.8 | 60.9 | 26.0 | 0.157 |
| | | 8.99 | 4.93 | 13.91 | TWO | 31.038 | 308.3 | -23.3 | 60.7 | | | | | | | | | | |
| 45370.0 | 53410.0 | 0.548 | 206.3 | -70.0 | -18.26 | 1.404 | 92.9 | 0.942 | 17.033 | 353.9 | 533.6 | 0.983 | 33.082A | 20.03 | 0.089 | 148.7 | 59.1 | 31.1 | 0.160 |
| | | 11.89 | 4.95 | 16.85 | ONE | 31.038 | 308.3 | -23.3 | 61.1 | | | | | | | | | | |
| 45380.0 | 53410.0 | 0.391 | 226.6 | -19.5 | -0.54 | 1.402 | 88.0 | 0.942 | 17.040 | 4.0 | 173.6 | 0.986D | 33.094A | 2.30 | 0.089 | 148.7 | 61.0 | 26.4 | 0.157 |
| | | 8.24 | 4.92 | 13.16 | ONE | 31.038 | 308.3 | -23.3 | 60.5 | | | | | | | | | | |
| 45390.0 | 53410.0 | 0.411 | 220.2 | -16.6 | -0.28 | 1.401 | 83.1 | 0.943 | 17.032 | 14.2 | 173.7 | 0.975D | 33.089A | 2.03 | 0.089 | 148.8 | 61.0 | 26.3 | 0.157 |
| | | 8.67 | 4.93 | 13.59 | ONE | 31.038 | 308.3 | -23.3 | 60.5 | | | | | | | | | | |
| 45400.0 | 53410.0 | 0.452 | 215.6 | -14.8 | -0.19 | 1.399 | 78.2 | 0.944 | 17.008 | 24.3 | 173.8 | 0.949D | 33.067A | 1.94 | 0.088 | 149.1 | 60.8 | 26.2 | 0.157 |
| | | 9.60 | 4.93 | 14.53 | ONE | 31.038 | 308.3 | -23.3 | 60.7 | | | | | | | | | | |
| 45410.0 | 53410.0 | 0.510 | 213.3 | -13.8 | -0.15 | 1.397 | 73.3 | 0.946 | 16.970 | 34.5 | 173.9 | 0.910D | 33.031A | 1.89 | 0.087 | 149.5 | 60.5 | 26.1 | 0.158 |
| | | 10.97 | 4.94 | 15.91 | ONE | 31.038 | 308.3 | -23.3 | 60.9 | | | | | | | | | | |
| 45420.0 | 53410.0 | 0.579 | 213.1 | -13.6 | -0.13 | 1.395 | 68.3 | 0.949 | 16.920 | 44.6 | 174.2 | 0.858D | 32.981A | 1.85 | 0.086 | 150.1 | 60.2 | 26.0 | 0.159 |
| | | 12.68 | 4.94 | 17.62 | ONE | 31.038 | 308.3 | -23.3 | 61.3 | | | | | | | | | | |
| ARRIVAL DATE = 2453610.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 53610.0 | 0.608 | 245.1 | -21.0 | 0.20 | 1.405 | 112.7 | 0.950 | 16.591 | 313.2 | 534.8 | 0.833 | 32.350A | 1.62 | 0.079 | 147.7 | 58.6 | 25.6 | 0.156 |
| | | 13.42 | 4.92 | 18.33 | TWO | 29.090 | 309.6 | -23.0 | 63.9 | | | | | | | | | | |
| 45340.0 | 53610.0 | 0.538 | 246.1 | -21.0 | 0.26 | 1.405 | 107.9 | 0.947 | 16.652 | 323.2 | 534.6 | 0.888 | 32.417A | 1.55 | 0.081 | 147.2 | 59.1 | 25.7 | 0.155 |
| | | 11.65 | 4.91 | 16.56 | TWO | 29.090 | 309.6 | -23.0 | 63.4 | | | | | | | | | | |
| 45350.0 | 53610.0 | 0.476 | 245.1 | -20.4 | 0.37 | 1.405 | 103.0 | 0.944 | 16.702 | 333.2 | 534.4 | 0.932 | 32.472A | 1.42 | 0.082 | 146.8 | 59.6 | 25.8 | 0.154 |
| | | 10.16 | 4.90 | 15.06 | TWO | 29.090 | 309.6 | -23.0 | 63.1 | | | | | | | | | | |
| 45360.0 | 53610.0 | 0.427 | 241.8 | -18.6 | 0.70 | 1.404 | 98.1 | 0.942 | 16.739 | 343.2 | 534.3 | 0.964 | 32.513A | 1.08 | 0.083 | 146.5 | 59.9 | 25.8 | 0.154 |
| | | 9.04 | 4.90 | 13.94 | TWO | 29.090 | 309.6 | -23.0 | 62.8 | | | | | | | | | | |
| 45370.0 | 53610.0 | 0.434 | 242.2 | 8.1 | 8.51 | 1.403 | 93.3 | 0.941 | 16.761 | 353.3 | 534.2 | 0.983 | 32.540A | -6.74 | 0.083 | 146.4 | 60.6 | 23.5 | 0.154 |
| | | 9.20 | 4.90 | 14.10 | TWO | 29.090 | 309.6 | -23.0 | 62.7 | | | | | | | | | | |
| 45380.0 | 53610.0 | 0.390 | 227.4 | -20.8 | -0.84 | 1.402 | 88.4 | 0.941 | 16.769 | 3.4 | 174.2 | 0.987D | 32.551A | 2.60 | 0.083 | 146.4 | 60.0 | 26.3 | 0.154 |
| | | 8.23 | 4.90 | 13.12 | ONE | 29.090 | 309.6 | -23.0 | 62.6 | | | | | | | | | | |
| 45390.0 | 53610.0 | 0.408 | 221.1 | -17.4 | -0.41 | 1.400 | 83.5 | 0.942 | 16.762 | 13.5 | 174.2 | 0.976D | 32.547A | 2.15 | 0.083 | 146.5 | 60.0 | 26.1 | 0.154 |
| | | 8.62 | 4.90 | 13.51 | ONE | 29.090 | 309.6 | -23.0 | 62.6 | | | | | | | | | | |
| 45400.0 | 53610.0 | 0.448 | 216.4 | -15.3 | -0.27 | 1.399 | 78.5 | 0.943 | 16.740 | 23.6 | 174.3 | 0.952D | 32.529A | 2.01 | 0.083 | 146.8 | 59.8 | 26.0 | 0.154 |
| | | 9.52 | 4.90 | 14.42 | ONE | 29.090 | 309.6 | -23.0 | 62.8 | | | | | | | | | | |
| 45410.0 | 53610.0 | 0.505 | 214.0 | -14.2 | -0.21 | 1.397 | 73.6 | 0.945 | 16.706 | 33.8 | 174.4 | 0.913D | 32.498A | 1.93 | 0.082 | 147.2 | 59.6 | 25.9 | 0.155 |
| | | 10.86 | 4.91 | 15.76 | ONE | 29.090 | 309.6 | -23.0 | 63.0 | | | | | | | | | | |
| 45420.0 | 53610.0 | 0.574 | 213.7 | -13.9 | -0.18 | 1.395 | 68.7 | 0.948 | 16.659 | 43.9 | 174.6 | 0.862D | 32.456A | 1.88 | 0.081 | 147.7 | 59.2 | 25.8 | 0.156 |
| | | 12.54 | 4.92 | 17.45 | ONE | 29.090 | 309.6 | -23.0 | 63.4 | | | | | | | | | | |
| 45430.0 | 53610.0 | 0.650 | 214.9 | -14.3 | -0.16 | 1.392 | 63.7 | 0.952 | 16.602 | 54.0 | 174.9 | 0.799D | 32.406A | 1.85 | 0.080 | 148.5 | 58.8 | 25.7 | 0.157 |
| | | 14.48 | 4.93 | 19.40 | ONE | 29.090 | 309.6 | -23.0 | 63.8 | | | | | | | | | | |
| ARRIVAL DATE = 2453810.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 53810.0 | 0.614 | 245.7 | -21.0 | 0.25 | 1.404 | 113.1 | 0.949 | 16.370 | 312.5 | 535.3 | 0.828 | 31.913A | 1.58 | 0.074 | 145.2 | 57.7 | 25.4 | 0.153 |
| | | 13.55 | 4.89 | 18.44 | TWO | 30.841 | 310.8 | -22.6 | 66.0 | | | | | | | | | | |
| 45340.0 | 53810.0 | 0.542 | 246.9 | -21.0 | 0.32 | 1.405 | 108.2 | 0.946 | 16.428 | 322.5 | 535.1 | 0.884 | 31.971A | 1.50 | 0.075 | 144.7 | 58.2 | 25.5 | 0.153 |
| | | 11.76 | 4.88 | 16.65 | TWO | 30.841 | 310.8 | -22.6 | 65.5 | | | | | | | | | | |
| 45350.0 | 53810.0 | 0.480 | 246.0 | -20.3 | 0.45 | 1.404 | 103.3 | 0.944 | 16.475 | 332.5 | 534.9 | 0.930 | 32.019A | 1.35 | 0.077 | 144.3 | 58.6 | 25.5 | 0.152 |
| | | 10.25 | 4.88 | 15.13 | TWO | 30.841 | 310.8 | -22.6 | 65.2 | | | | | | | | | | |
| 45360.0 | 53810.0 | 0.430 | 242.9 | -18.5 | 0.81 | 1.404 | 98.5 | 0.942 | 16.509 | 342.5 | 534.8 | 0.962 | 32.056A | 0.98 | 0.077 | 144.0 | 58.9 | 25.5 | 0.151 |
| | | 9.10 | 4.87 | 13.98 | TWO | 30.841 | 310.8 | -22.6 | 64.9 | | | | | | | | | | |
| 45370.0 | 53810.0 | 0.410 | 240.3 | -4.1 | 4.68 | 1.403 | 93.6 | 0.941 | 16.531 | 352.6 | 534.7 | 0.982 | 32.079A | -2.91 | 0.078 | 143.9 | 59.4 | 24.4 | 0.151 |
| | | 8.65 | 4.87 | 13.52 | TWO | 30.841 | 310.8 | -22.6 | 64.7 | | | | | | | | | | |
| 45380.0 | 53810.0 | 0.390 | 228.2 | -22.5 | -1.23 | 1.402 | 88.7 | 0.940 | 16.539 | 2.7 | 174.7 | 0.987D | 32.090A | 2.98 | 0.078 | 143.9 | 59.0 | 26.2 | 0.151 |
| | | 8.22 | 4.87 | 13.10 | ONE | 30.841 | 310.8 | -22.6 | 64.6 | | | | | | | | | | |
| 45390.0 | 53810.0 | 0.406 | 222.1 | -18.2 | -0.55 | 1.400 | 83.8 | 0.941 | 16.533 | 12.8 | 174.7 | 0.978D | 32.088A | 2.29 | 0.078 | 144.0 | 59.0 | 26.0 | 0.151 |
| | | 8.57 | 4.87 | 13.44 | ONE | 30.841 | 310.8 | -22.6 | 64.7 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45400.0 | 53810.0 | 0.445 | 217.3 | -15.9 | -0.36 | 1.398 | 78.9 | 0.942 | 16.513 | 22.9 | 174.8 | 0.954D | 32.073A | 2.09 | 0.078 | 144.2 | 58.9 | 25.8 | 0.152 |
| | | 9.44 | 4.88 | 14.31 | ONE | 30.841 | 310.8 | -22.6 | 64.8 | | | | | | | | | | |
| 45410.0 | 53810.0 | 0.500 | 214.8 | -14.7 | -0.28 | 1.396 | 74.0 | 0.944 | 16.482 | 33.1 | 174.9 | 0.917D | 32.047A | 1.98 | 0.077 | 144.6 | 58.6 | 25.7 | 0.152 |
| | | 10.74 | 4.88 | 15.62 | ONE | 30.841 | 310.8 | -22.6 | 65.1 | | | | | | | | | | |
| 45420.0 | 53810.0 | 0.568 | 214.3 | -14.3 | -0.23 | 1.394 | 69.0 | 0.947 | 16.439 | 43.2 | 175.1 | 0.866D | 32.011A | 1.92 | 0.076 | 145.2 | 58.3 | 25.6 | 0.153 |
| | | 12.40 | 4.89 | 17.29 | ONE | 30.841 | 310.8 | -22.6 | 65.4 | | | | | | | | | | |
| 45430.0 | 53810.0 | 0.643 | 215.5 | -14.5 | -0.20 | 1.392 | 64.1 | 0.951 | 16.386 | 53.3 | 175.3 | 0.804D | 31.967A | 1.87 | 0.074 | 145.9 | 57.9 | 25.5 | 0.154 |
| | | 14.31 | 4.90 | 19.22 | ONE | 30.841 | 310.8 | -22.6 | 65.8 | | | | | | | | | | |
| ARRIVAL DATE = 2454010.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 54010.0 | 0.619 | 246.4 | -21.0 | 0.30 | 1.404 | 113.4 | 0.949 | 16.183 | 311.8 | 535.8 | 0.824 | 31.542A | 1.55 | 0.069 | 142.4 | 56.7 | 25.1 | 0.151 |
| | | 13.68 | 4.87 | 18.56 | TWO | 29.397 | 312.0 | -22.2 | 68.1 | | | | | | | | | | |
| 45340.0 | 54010.0 | 0.547 | 247.7 | -20.9 | 0.37 | 1.404 | 108.6 | 0.946 | 16.237 | 321.8 | 535.6 | 0.881 | 31.593A | 1.45 | 0.071 | 141.9 | 57.2 | 25.2 | 0.150 |
| | | 11.88 | 4.86 | 16.74 | TWO | 29.397 | 312.0 | -22.2 | 67.6 | | | | | | | | | | |
| 45350.0 | 54010.0 | 0.484 | 247.0 | -20.3 | 0.52 | 1.404 | 103.7 | 0.943 | 16.281 | 331.8 | 535.4 | 0.927 | 31.636A | 1.28 | 0.072 | 141.5 | 57.6 | 25.3 | 0.149 |
| | | 10.34 | 4.86 | 15.20 | TWO | 29.397 | 312.0 | -22.2 | 67.2 | | | | | | | | | | |
| 45360.0 | 54010.0 | 0.433 | 244.1 | -18.4 | 0.90 | 1.404 | 98.8 | 0.941 | 16.314 | 341.8 | 535.3 | 0.961 | 31.668A | 0.89 | 0.073 | 141.3 | 58.0 | 25.3 | 0.149 |
| | | 9.17 | 4.85 | 14.02 | TWO | 29.397 | 312.0 | -22.2 | 67.0 | | | | | | | | | | |
| 45370.0 | 54010.0 | 0.406 | 240.6 | -7.9 | 3.62 | 1.403 | 93.9 | 0.940 | 16.335 | 351.9 | 535.2 | 0.981 | 31.689A | -1.85 | 0.073 | 141.2 | 58.4 | 24.5 | 0.149 |
| | | 8.57 | 4.85 | 13.42 | TWO | 29.397 | 312.0 | -22.2 | 66.8 | | | | | | | | | | |
| 45380.0 | 54010.0 | 0.391 | 229.0 | -24.6 | -1.75 | 1.401 | 89.0 | 0.940 | 16.343 | 2.0 | 175.2 | 0.987D | 31.699A | 3.50 | 0.073 | 141.1 | 58.0 | 26.1 | 0.149 |
| | | 8.23 | 4.85 | 13.08 | ONE | 29.397 | 312.0 | -22.2 | 66.7 | | | | | | | | | | |
| 45390.0 | 54010.0 | 0.404 | 223.0 | -19.1 | -0.72 | 1.400 | 84.1 | 0.940 | 16.338 | 12.1 | 175.2 | 0.979D | 31.697A | 2.45 | 0.073 | 141.3 | 58.1 | 25.8 | 0.149 |
| | | 8.52 | 4.85 | 13.37 | ONE | 29.397 | 312.0 | -22.2 | 66.7 | | | | | | | | | | |
| 45400.0 | 54010.0 | 0.441 | 218.2 | -16.5 | -0.46 | 1.398 | 79.2 | 0.941 | 16.321 | 22.2 | 175.3 | 0.956D | 31.685A | 2.17 | 0.073 | 141.5 | 58.0 | 25.7 | 0.149 |
| | | 9.35 | 4.86 | 14.21 | ONE | 29.397 | 312.0 | -22.2 | 66.9 | | | | | | | | | | |
| 45410.0 | 54010.0 | 0.496 | 215.5 | -15.1 | -0.35 | 1.396 | 74.3 | 0.944 | 16.291 | 32.3 | 175.4 | 0.920D | 31.663A | 2.04 | 0.072 | 141.9 | 57.7 | 25.6 | 0.150 |
| | | 10.63 | 4.86 | 15.49 | ONE | 29.397 | 312.0 | -22.2 | 67.1 | | | | | | | | | | |
| 45420.0 | 54010.0 | 0.562 | 214.9 | -14.7 | -0.29 | 1.394 | 69.4 | 0.946 | 16.252 | 42.4 | 175.6 | 0.871D | 31.633A | 1.96 | 0.071 | 142.4 | 57.4 | 25.4 | 0.151 |
| | | 12.25 | 4.87 | 17.12 | ONE | 29.397 | 312.0 | -22.2 | 67.4 | | | | | | | | | | |
| 45430.0 | 54010.0 | 0.637 | 216.0 | -14.8 | -0.25 | 1.392 | 64.5 | 0.950 | 16.203 | 52.5 | 175.8 | 0.810D | 31.596A | 1.90 | 0.070 | 143.1 | 57.0 | 25.3 | 0.152 |
| | | 14.15 | 4.88 | 19.03 | ONE | 29.397 | 312.0 | -22.2 | 67.8 | | | | | | | | | | |
| ARRIVAL DATE = 2454210.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 54210.0 | 0.625 | 247.1 | -21.1 | 0.35 | 1.404 | 113.8 | 0.949 | 16.024 | 311.0 | 536.2 | 0.819 | 31.229A | 1.51 | 0.065 | 139.5 | 55.8 | 24.9 | 0.149 |
| | | 13.83 | 4.86 | 18.68 | TWO | 30.405 | 313.3 | -21.8 | 70.1 | | | | | | | | | | |
| 45340.0 | 54210.0 | 0.552 | 248.5 | -20.9 | 0.43 | 1.404 | 108.9 | 0.945 | 16.075 | 321.0 | 536.0 | 0.877 | 31.273A | 1.41 | 0.066 | 138.9 | 56.3 | 25.0 | 0.148 |
| | | 12.00 | 4.85 | 16.85 | TWO | 30.405 | 313.3 | -21.8 | 69.7 | | | | | | | | | | |
| 45350.0 | 54210.0 | 0.488 | 247.9 | -20.3 | 0.58 | 1.404 | 104.0 | 0.943 | 16.117 | 331.1 | 535.9 | 0.924 | 31.310A | 1.23 | 0.067 | 138.6 | 56.7 | 25.1 | 0.147 |
| | | 10.44 | 4.84 | 15.28 | TWO | 30.405 | 313.3 | -21.8 | 69.3 | | | | | | | | | | |
| 45360.0 | 54210.0 | 0.436 | 245.2 | -18.4 | 0.97 | 1.403 | 99.2 | 0.941 | 16.149 | 341.1 | 535.8 | 0.959 | 31.338A | 0.82 | 0.068 | 138.3 | 57.1 | 25.0 | 0.147 |
| | | 9.24 | 4.83 | 14.07 | TWO | 30.405 | 313.3 | -21.8 | 69.0 | | | | | | | | | | |
| 45370.0 | 54210.0 | 0.406 | 241.4 | -9.8 | 3.13 | 1.402 | 94.3 | 0.939 | 16.169 | 351.2 | 535.7 | 0.980 | 31.357A | -1.36 | 0.069 | 138.2 | 57.5 | 24.4 | 0.147 |
| | | 8.57 | 4.83 | 13.40 | TWO | 30.405 | 313.3 | -21.8 | 68.8 | | | | | | | | | | |
| 45380.0 | 54210.0 | 0.392 | 229.5 | -27.5 | -2.50 | 1.401 | 89.4 | 0.939 | 16.177 | 1.3 | 175.6 | 0.987D | 31.366A | 4.24 | 0.069 | 138.2 | 57.0 | 26.1 | 0.147 |
| | | 8.27 | 4.83 | 13.10 | ONE | 30.405 | 313.3 | -21.8 | 68.8 | | | | | | | | | | |
| 45390.0 | 54210.0 | 0.402 | 224.0 | -20.1 | -0.91 | 1.400 | 84.5 | 0.939 | 16.173 | 11.4 | 175.7 | 0.980D | 31.366A | 2.63 | 0.069 | 138.3 | 57.2 | 25.6 | 0.147 |
| | | 8.48 | 4.83 | 13.31 | ONE | 30.405 | 313.3 | -21.8 | 68.8 | | | | | | | | | | |
| 45400.0 | 54210.0 | 0.437 | 219.1 | -17.2 | -0.56 | 1.398 | 79.6 | 0.941 | 16.157 | 21.5 | 175.7 | 0.959D | 31.356A | 2.26 | 0.069 | 138.5 | 57.1 | 25.5 | 0.147 |
| | | 9.27 | 4.84 | 14.11 | ONE | 30.405 | 313.3 | -21.8 | 68.9 | | | | | | | | | | |
| 45410.0 | 54210.0 | 0.491 | 216.3 | -15.6 | -0.42 | 1.396 | 74.7 | 0.943 | 16.130 | 31.6 | 175.8 | 0.923D | 31.337A | 2.10 | 0.068 | 138.9 | 56.9 | 25.4 | 0.148 |
| | | 10.51 | 4.84 | 15.36 | ONE | 30.405 | 313.3 | -21.8 | 69.1 | | | | | | | | | | |
| 45420.0 | 54210.0 | 0.557 | 215.6 | -15.0 | -0.34 | 1.394 | 69.8 | 0.946 | 16.093 | 41.7 | 176.0 | 0.875D | 31.312A | 2.00 | 0.067 | 139.4 | 56.5 | 25.2 | 0.149 |
| | | 12.11 | 4.85 | 16.96 | ONE | 30.405 | 313.3 | -21.8 | 69.4 | | | | | | | | | | |
| 45430.0 | 54210.0 | 0.631 | 216.6 | -15.1 | -0.30 | 1.392 | 64.9 | 0.949 | 16.048 | 51.7 | 176.2 | 0.815D | 31.280A | 1.92 | 0.065 | 140.1 | 56.2 | 25.1 | 0.150 |
| | | 13.99 | 4.86 | 18.85 | ONE | 30.405 | 313.3 | -21.8 | 69.8 | | | | | | | | | | |
| ARRIVAL DATE = 2454610.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 54610.0 | 0.636 | 248.5 | -21.1 | 0.43 | 1.404 | 114.5 | 0.949 | 15.776 | 309.5 | 537.1 | 0.809 | 30.743A | 1.45 | 0.057 | 132.6 | 54.1 | 24.5 | 0.146 |
| | | 14.13 | 4.83 | 18.96 | TWO | 29.857 | 315.7 | -21.0 | 74.1 | | | | | | | | | | |
| 45340.0 | 54610.0 | 0.563 | 250.1 | -20.9 | 0.52 | 1.404 | 109.7 | 0.945 | 15.822 | 319.5 | 536.9 | 0.869 | 30.776A | 1.33 | 0.058 | 132.2 | 54.6 | 24.6 | 0.145 |
| | | 12.27 | 4.82 | 17.09 | TWO | 29.857 | 315.7 | -21.0 | 73.7 | | | | | | | | | | |
| 45350.0 | 54610.0 | 0.497 | 249.9 | -20.2 | 0.70 | 1.404 | 104.8 | 0.942 | 15.861 | 329.5 | 536.8 | 0.918 | 30.803A | 1.13 | 0.060 | 131.9 | 55.0 | 24.6 | 0.144 |
| | | 10.66 | 4.81 | 15.47 | TWO | 29.857 | 315.7 | -21.0 | 73.3 | | | | | | | | | | |
| 45360.0 | 54610.0 | 0.443 | 247.5 | -18.4 | 1.09 | 1.403 | 99.9 | 0.940 | 15.890 | 339.6 | 536.7 | 0.955 | 30.825A | 0.71 | 0.061 | 131.7 | 55.4 | 24.6 | 0.144 |
| | | 9.39 | 4.81 | 14.20 | TWO | 29.857 | 315.7 | -21.0 | 73.0 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45370.0 | 54610.0 | 0.408 | 243.5 | -12.0 | 2.65 | 1.402 | 95.0 | 0.939 | 15.909 | 349.7 | 536.6 | 0.978 | 30.840A | -0.89 | 0.061 | 131.6 | 55.7 | 24.1 | 0.143 |
| | | 8.61 | 4.80 | 13.42 | TWO | 29.857 | 315.7 | -21.0 | 72.8 | | | | | | | | | | |
| 45380.0 | 54610.0 | 0.406 | 229.0 | -38.6 | -5.62 | 1.401 | 90.1 | 0.938 | 15.917 | 359.8 | 536.5 | 0.988 | 30.847A | 7.36 | 0.062 | 131.6 | 55.0 | 26.7 | 0.143 |
| | | 8.56 | 4.81 | 13.37 | ONE | 29.857 | 315.7 | -21.0 | 72.8 | | | | | | | | | | |
| 45390.0 | 54610.0 | 0.399 | 226.1 | -22.4 | -1.38 | 1.399 | 85.2 | 0.938 | 15.915 | 9.9 | 176.6 | 0.983D | 30.848A | 3.09 | 0.062 | 131.6 | 55.4 | 25.4 | 0.143 |
| | | 8.41 | 4.80 | 13.21 | ONE | 29.857 | 315.7 | -21.0 | 72.8 | | | | | | | | | | |
| 45400.0 | 54610.0 | 0.431 | 221.1 | -18.6 | -0.80 | 1.397 | 80.3 | 0.939 | 15.902 | 20.0 | 176.6 | 0.963D | 30.841A | 2.48 | 0.061 | 131.8 | 55.4 | 25.2 | 0.144 |
| | | 9.12 | 4.81 | 13.92 | ONE | 29.857 | 315.7 | -21.0 | 72.9 | | | | | | | | | | |
| 45410.0 | 54610.0 | 0.481 | 218.0 | -16.7 | -0.58 | 1.396 | 75.4 | 0.941 | 15.879 | 30.0 | 176.7 | 0.930D | 30.829A | 2.23 | 0.060 | 132.1 | 55.2 | 25.0 | 0.144 |
| | | 10.29 | 4.81 | 15.10 | ONE | 29.857 | 315.7 | -21.0 | 73.0 | | | | | | | | | | |
| 45420.0 | 54610.0 | 0.545 | 217.1 | -15.8 | -0.46 | 1.393 | 70.6 | 0.944 | 15.847 | 40.1 | 176.8 | 0.884D | 30.811A | 2.08 | 0.059 | 132.6 | 54.9 | 24.9 | 0.145 |
| | | 11.83 | 4.82 | 16.65 | ONE | 29.857 | 315.7 | -21.0 | 73.3 | | | | | | | | | | |
| 45430.0 | 54610.0 | 0.618 | 217.9 | -15.8 | -0.40 | 1.391 | 65.7 | 0.948 | 15.807 | 50.1 | 177.0 | 0.826D | 30.788A | 1.98 | 0.058 | 133.2 | 54.6 | 24.7 | 0.146 |
| | | 13.66 | 4.83 | 18.49 | ONE | 29.857 | 315.7 | -21.0 | 73.7 | | | | | | | | | | |
| ARRIVAL DATE = 2455010.0 | | | | | | | | | | | | | | | | | | | |
| 45330.0 | 55010.0 | 0.649 | 249.9 | -21.2 | 0.51 | 1.403 | 115.3 | 0.949 | 15.602 | 307.8 | 537.8 | 0.798 | 30.405A | 1.40 | 0.050 | 124.5 | 52.7 | 24.0 | 0.144 |
| | | 14.46 | 4.81 | 19.27 | TWO | 29.352 | 318.1 | -20.2 | 77.9 | | | | | | | | | | |
| 45340.0 | 55010.0 | 0.574 | 251.7 | -21.0 | 0.61 | 1.404 | 110.4 | 0.945 | 15.644 | 317.9 | 537.7 | 0.860 | 30.428A | 1.26 | 0.052 | 124.3 | 53.1 | 24.1 | 0.143 |
| | | 12.56 | 4.80 | 17.36 | TWO | 29.352 | 318.1 | -20.2 | 77.5 | | | | | | | | | | |
| 45350.0 | 55010.0 | 0.507 | 251.8 | -20.3 | 0.79 | 1.403 | 105.5 | 0.942 | 15.680 | 328.0 | 537.6 | 0.911 | 30.448A | 1.04 | 0.054 | 124.1 | 53.5 | 24.2 | 0.142 |
| | | 10.90 | 4.79 | 15.69 | TWO | 29.352 | 318.1 | -20.2 | 77.2 | | | | | | | | | | |
| 45360.0 | 55010.0 | 0.450 | 249.8 | -18.5 | 1.18 | 1.403 | 100.6 | 0.940 | 15.707 | 338.0 | 537.5 | 0.950 | 30.464A | 0.62 | 0.055 | 124.0 | 53.8 | 24.1 | 0.141 |
| | | 9.57 | 4.79 | 14.35 | TWO | 29.352 | 318.1 | -20.2 | 76.9 | | | | | | | | | | |
| 45370.0 | 55010.0 | 0.412 | 245.9 | -13.3 | 2.42 | 1.402 | 95.8 | 0.938 | 15.725 | 348.1 | 537.4 | 0.976 | 30.475A | -0.66 | 0.055 | 123.9 | 54.2 | 23.8 | 0.141 |
| | | 8.70 | 4.78 | 13.48 | TWO | 29.352 | 318.1 | -20.2 | 76.7 | | | | | | | | | | |
| 45380.0 | 55010.0 | 0.646 | 167.7 | -78.9 | -25.02 | 1.401 | 90.8 | 0.937 | 15.734 | 358.3 | 537.4 | 0.987 | 30.481A | 26.75 | 0.056 | 123.9 | 51.0 | 31.7 | 0.147 |
| | | 14.39 | 4.83 | 19.22 | ONE | 29.352 | 318.1 | -20.2 | 77.2 | | | | | | | | | | |
| 45390.0 | 55010.0 | 0.397 | 228.1 | -25.4 | -2.06 | 1.399 | 86.0 | 0.937 | 15.734 | 8.3 | 177.4 | 0.985D | 30.483A | 3.76 | 0.056 | 124.0 | 53.8 | 25.2 | 0.141 |
| | | 8.37 | 4.78 | 13.15 | ONE | 29.352 | 318.1 | -20.2 | 76.6 | | | | | | | | | | |
| 45400.0 | 55010.0 | 0.424 | 223.1 | -20.2 | -1.09 | 1.397 | 81.1 | 0.938 | 15.723 | 18.4 | 177.4 | 0.968D | 30.479A | 2.75 | 0.055 | 124.1 | 53.9 | 24.9 | 0.141 |
| | | 8.97 | 4.78 | 13.75 | ONE | 29.352 | 318.1 | -20.2 | 76.7 | | | | | | | | | | |
| 45410.0 | 55010.0 | 0.472 | 219.8 | -17.8 | -0.76 | 1.395 | 76.2 | 0.940 | 15.704 | 28.4 | 177.5 | 0.937D | 30.470A | 2.38 | 0.054 | 124.4 | 53.7 | 24.7 | 0.142 |
| | | 10.07 | 4.79 | 14.86 | ONE | 29.352 | 318.1 | -20.2 | 76.8 | | | | | | | | | | |
| 45420.0 | 55010.0 | 0.534 | 218.6 | -16.7 | -0.60 | 1.393 | 71.4 | 0.943 | 15.675 | 38.4 | 177.6 | 0.893D | 30.458A | 2.18 | 0.053 | 124.7 | 53.5 | 24.5 | 0.142 |
| | | 11.55 | 4.80 | 16.35 | ONE | 29.352 | 318.1 | -20.2 | 77.1 | | | | | | | | | | |
| 45430.0 | 55010.0 | 0.605 | 219.2 | -16.5 | -0.51 | 1.391 | 66.5 | 0.947 | 15.640 | 48.4 | 177.7 | 0.837D | 30.443A | 2.05 | 0.052 | 125.1 | 53.2 | 24.4 | 0.144 |
| | | 13.33 | 4.81 | 18.14 | ONE | 29.352 | 318.1 | -20.2 | 77.4 | | | | | | | | | | |
| ARRIVAL DATE = 2455410.0 | | | | | | | | | | | | | | | | | | | |
| 45340.0 | 55410.0 | 0.587 | 253.4 | -21.0 | 0.69 | 1.403 | 111.2 | 0.945 | 15.523 | 316.2 | 538.4 | 0.850 | 30.197A | 1.20 | 0.047 | 115.2 | 51.8 | 23.8 | 0.142 |
| | | 12.86 | 4.79 | 17.65 | TWO | 29.038 | 320.5 | -19.3 | 81.2 | | | | | | | | | | |
| 45350.0 | 55410.0 | 0.517 | 253.8 | -20.3 | 0.87 | 1.403 | 106.3 | 0.942 | 15.557 | 326.3 | 538.3 | 0.903 | 30.210A | 0.97 | 0.049 | 115.3 | 52.2 | 23.8 | 0.140 |
| | | 11.15 | 4.78 | 15.93 | TWO | 29.038 | 320.5 | -19.3 | 80.8 | | | | | | | | | | |
| 45360.0 | 55410.0 | 0.459 | 252.1 | -18.7 | 1.25 | 1.403 | 101.4 | 0.939 | 15.583 | 336.4 | 538.2 | 0.945 | 30.221A | 0.56 | 0.050 | 115.3 | 52.5 | 23.8 | 0.140 |
| | | 9.76 | 4.77 | 14.53 | TWO | 29.038 | 320.5 | -19.3 | 80.6 | | | | | | | | | | |
| 45370.0 | 55410.0 | 0.417 | 248.4 | -14.2 | 2.29 | 1.402 | 96.5 | 0.938 | 15.601 | 346.5 | 538.2 | 0.973 | 30.229A | -0.53 | 0.051 | 115.4 | 52.8 | 23.5 | 0.139 |
| | | 8.81 | 4.77 | 13.58 | TWO | 29.038 | 320.5 | -19.3 | 80.4 | | | | | | | | | | |
| 45380.0 | 55410.0 | 0.520 | 251.3 | 28.3 | 16.53 | 1.400 | 91.7 | 0.937 | 15.610 | 356.5 | 538.1 | 0.987 | 30.233A | -14.81 | 0.051 | 115.4 | 54.2 | 19.0 | 0.141 |
| | | 11.20 | 4.78 | 15.99 | TWO | 29.038 | 320.5 | -19.3 | 80.4 | | | | | | | | | | |
| 45390.0 | 55410.0 | 0.397 | 230.0 | -29.8 | -3.12 | 1.399 | 86.8 | 0.937 | 15.611 | 6.7 | 178.1 | 0.986D | 30.235A | 4.80 | 0.051 | 115.5 | 52.4 | 25.2 | 0.139 |
| | | 8.37 | 4.77 | 13.14 | ONE | 29.038 | 320.5 | -19.3 | 80.3 | | | | | | | | | | |
| 45400.0 | 55410.0 | 0.418 | 225.3 | -22.2 | -1.46 | 1.397 | 81.9 | 0.938 | 15.602 | 16.7 | 178.2 | 0.972D | 30.233A | 3.09 | 0.051 | 115.6 | 52.5 | 24.6 | 0.139 |
| | | 8.84 | 4.77 | 13.61 | ONE | 29.038 | 320.5 | -19.3 | 80.3 | | | | | | | | | | |
| 45410.0 | 55410.0 | 0.463 | 221.7 | -19.1 | -0.97 | 1.395 | 77.0 | 0.939 | 15.585 | 26.8 | 178.2 | 0.943D | 30.227A | 2.56 | 0.050 | 115.7 | 52.4 | 24.4 | 0.140 |
| | | 9.85 | 4.77 | 14.63 | ONE | 29.038 | 320.5 | -19.3 | 80.4 | | | | | | | | | | |
| 45420.0 | 55410.0 | 0.522 | 220.3 | -17.6 | -0.74 | 1.393 | 72.2 | 0.942 | 15.561 | 36.8 | 178.3 | 0.901D | 30.220A | 2.30 | 0.049 | 115.8 | 52.2 | 24.2 | 0.141 |
| | | 11.27 | 4.78 | 16.06 | ONE | 29.038 | 320.5 | -19.3 | 80.6 | | | | | | | | | | |
| 45430.0 | 55410.0 | 0.592 | 220.6 | -17.2 | -0.62 | 1.391 | 67.3 | 0.945 | 15.529 | 46.7 | 178.4 | 0.848D | 30.210A | 2.12 | 0.048 | 116.0 | 52.0 | 24.1 | 0.142 |
| | | 13.00 | 4.79 | 17.79 | ONE | 29.038 | 320.5 | -19.3 | 80.9 | | | | | | | | | | |
| ARRIVAL DATE = 2455810.0 | | | | | | | | | | | | | | | | | | | |
| 45340.0 | 55810.0 | 0.600 | 255.1 | -21.1 | 0.76 | 1.403 | 112.1 | 0.946 | 15.448 | 314.5 | 539.1 | 0.840 | 30.055A | 1.15 | 0.044 | 105.3 | 50.7 | 23.4 | 0.141 |
| | | 13.19 | 4.78 | 17.98 | TWO | 29.009 | 322.8 | -18.4 | 84.6 | | | | | | | | | | |
| 45350.0 | 55810.0 | 0.529 | 255.8 | -20.4 | 0.95 | 1.403 | 107.2 | 0.942 | 15.479 | 324.6 | 539.0 | 0.895 | 30.063A | 0.91 | 0.046 | 105.6 | 51.1 | 23.5 | 0.140 |
| | | 11.43 | 4.77 | 16.20 | TWO | 29.009 | 322.8 | -18.4 | 84.3 | | | | | | | | | | |

1983
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45360.0 | 55810.0 | 0.468<br>9.98 | 254.4<br>4.76 | -18.8<br>14.74 | 1.30<br>TWO | 1.402<br>29.009 | 102.2<br>322.8 | 0.939<br>-18.4 | 15.504<br>84.1 | 334.7 | 538.9 | 0.939 | 30.070A | 0.50 | 0.047 | 105.9 | 51.4 | 23.4 | 0.139 |
| 45370.0 | 55810.0 | 0.423<br>8.94 | 251.0<br>4.76 | -15.0<br>13.70 | 2.20<br>TWO | 1.402<br>29.009 | 97.4<br>322.8 | 0.938<br>-18.4 | 15.522<br>83.9 | 344.8 | 538.9 | 0.969 | 30.074A | -0.44 | 0.048 | 106.1 | 51.7 | 23.2 | 0.138 |
| 45380.0 | 55810.0 | 0.424<br>8.98 | 248.4<br>4.76 | 4.5<br>13.73 | 7.69<br>TWO | 1.400<br>29.009 | 92.5<br>322.8 | 0.937<br>-18.4 | 15.532<br>83.8 | 354.9 | 538.9 | 0.986 | 30.077A | -5.98 | 0.048 | 106.2 | 52.4 | 21.4 | 0.138 |
| 45390.0 | 55810.0 | 0.403<br>8.51 | 231.1<br>4.76 | -36.8<br>13.27 | -5.00<br>ONE | 1.399<br>29.009 | 87.6<br>322.8 | 0.936<br>-18.4 | 15.533<br>83.8 | 5.0 | 178.9 | 0.988D | 30.078A | 6.66 | 0.048 | 106.3 | 51.0 | 25.5 | 0.138 |
| 45400.0 | 55810.0 | 0.413<br>8.72 | 227.6<br>4.76 | -24.5<br>13.48 | -1.92<br>ONE | 1.397<br>29.009 | 82.7<br>322.8 | 0.937<br>-18.4 | 15.527<br>83.8 | 15.0 | 178.9 | 0.976D | 30.078A | 3.54 | 0.048 | 106.3 | 51.3 | 24.5 | 0.138 |
| 45410.0 | 55810.0 | 0.454<br>9.65 | 223.8<br>4.76 | -20.5<br>14.41 | -1.21<br>ONE | 1.395<br>29.009 | 77.9<br>322.8 | 0.939<br>-18.4 | 15.512<br>83.9 | 25.1 | 178.9 | 0.949D | 30.075A | 2.78 | 0.047 | 106.3 | 51.3 | 24.2 | 0.138 |
| 45420.0 | 55810.0 | 0.511<br>11.00 | 222.0<br>4.77 | -18.7<br>15.77 | -0.91<br>ONE | 1.393<br>29.009 | 73.0<br>322.8 | 0.941<br>-18.4 | 15.490<br>84.0 | 35.0 | 179.0 | 0.910D | 30.071A | 2.43 | 0.046 | 106.3 | 51.2 | 24.0 | 0.139 |
| 45430.0 | 55810.0 | 0.579<br>12.68 | 222.1<br>4.78 | -18.0<br>17.46 | -0.74<br>ONE | 1.391<br>29.009 | 68.2<br>322.8 | 0.944<br>-18.4 | 15.462<br>84.3 | 45.0 | 179.0 | 0.858D | 30.065A | 2.21 | 0.045 | 106.2 | 51.0 | 23.8 | 0.140 |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2447580.0 | | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447780.0 | | | | | | | | | | | |
| 45740.0 | 47780.0 | 0.635 | 253.4 | -19.0 | 1.44 | 1.610 | 99.1 | 1.547 | -1.767 | 345.0 | 486.4 | 0.966 | NA | 0.41 | 0.795 | 176.3 | 80.8 | 28.5 | 0.805 |
| | | 14.10 | 17.82 | 31.92 | ONE | 29.808 | 271.4 | -28.8 | 9.3 | | | | | | | | | | |
| 45750.0 | 47780.0 | 0.606 | 248.5 | -18.8 | 1.19 | 1.610 | 93.3 | 1.562 | -1.756 | 354.6 | 485.9 | 0.986 | NA | 0.74 | 0.797 | 176.2 | 80.9 | 28.5 | 0.807 |
| | | 13.35 | 17.87 | 31.22 | ONE | 29.808 | 271.4 | -28.8 | 9.2 | | | | | | | | | | |
| 45760.0 | 47780.0 | 0.602 | 242.2 | -18.1 | 1.05 | 1.610 | 87.2 | 1.566 | -1.747 | 4.6 | 125.8 | 0.989D | NA | 0.99 | 0.799 | 176.2 | 80.9 | 28.6 | 0.809 |
| | | 13.27 | 17.91 | 31.18 | ONE | 29.808 | 271.4 | -28.8 | 9.2 | | | | | | | | | | |
| 45770.0 | 47780.0 | 0.629 | 235.9 | -17.3 | 0.96 | 1.609 | 81.0 | 1.559 | -1.740 | 14.8 | 126.0 | 0.973D | NA | 1.18 | 0.801 | 176.3 | 80.9 | 28.6 | 0.810 |
| | | 13.94 | 17.95 | 31.90 | ONE | 29.808 | 271.4 | -28.8 | 9.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2447980.0 | | | | | | | | | | | |
| 45730.0 | 47980.0 | 0.629 | 253.3 | -17.9 | 1.89 | 1.571 | 102.8 | 1.414 | -2.282 | 338.1 | 490.9 | 0.944 | NA | -0.13 | 0.710 | 176.0 | 80.8 | 28.5 | 0.722 |
| | | 13.95 | 15.72 | 29.66 | ONE | 30.280 | 272.7 | -28.8 | 10.5 | | | | | | | | | | |
| 45740.0 | 47980.0 | 0.585 | 249.7 | -18.3 | 1.42 | 1.571 | 97.3 | 1.429 | -2.266 | 347.6 | 490.2 | 0.973 | NA | 0.42 | 0.712 | 175.9 | 80.9 | 28.5 | 0.724 |
| | | 12.82 | 15.76 | 28.59 | ONE | 30.280 | 272.7 | -28.8 | 10.4 | | | | | | | | | | |
| 45750.0 | 47980.0 | 0.562 | 244.1 | -18.0 | 1.17 | 1.571 | 91.6 | 1.439 | -2.253 | 357.3 | 489.8 | 0.988 | NA | 0.76 | 0.714 | 175.9 | 80.9 | 28.6 | 0.725 |
| | | 12.25 | 15.80 | 28.05 | ONE | 30.280 | 272.7 | -28.8 | 10.3 | | | | | | | | | | |
| 45760.0 | 47980.0 | 0.566 | 237.6 | -17.2 | 1.02 | 1.570 | 85.7 | 1.440 | -2.243 | 7.3 | 129.7 | 0.986D | NA | 1.00 | 0.716 | 175.9 | 81.0 | 28.6 | 0.727 |
| | | 12.36 | 15.84 | 28.19 | ONE | 30.280 | 272.7 | -28.8 | 10.3 | | | | | | | | | | |
| 45770.0 | 47980.0 | 0.600 | 231.4 | -16.2 | 0.94 | 1.569 | 79.6 | 1.432 | -2.237 | 17.7 | 130.1 | 0.966D | NA | 1.19 | 0.716 | 175.9 | 80.9 | 28.6 | 0.728 |
| | | 13.20 | 15.86 | 29.07 | ONE | 30.280 | 272.7 | -28.8 | 10.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448180.0 | | | | | | | | | | | |
| 45720.0 | 48180.0 | 0.642 | 252.7 | -15.5 | 3.03 | 1.541 | 106.5 | 1.313 | -2.923 | 331.1 | 495.1 | 0.914 | NA | -1.35 | 0.639 | 175.7 | 80.6 | 28.4 | 0.652 |
| | | 14.28 | 14.02 | 28.30 | ONE | 30.345 | 274.1 | -28.7 | 11.8 | | | | | | | | | | |
| 45730.0 | 48180.0 | 0.586 | 250.5 | -17.3 | 1.89 | 1.541 | 101.2 | 1.329 | -2.899 | 340.3 | 494.2 | 0.952 | NA | -0.13 | 0.641 | 175.6 | 80.8 | 28.5 | 0.654 |
| | | 12.84 | 14.06 | 26.91 | ONE | 30.345 | 274.1 | -28.7 | 11.7 | | | | | | | | | | |
| 45740.0 | 48180.0 | 0.546 | 246.2 | -17.6 | 1.41 | 1.541 | 95.8 | 1.340 | -2.879 | 349.9 | 493.6 | 0.978 | NA | 0.43 | 0.643 | 175.5 | 80.9 | 28.5 | 0.656 |
| | | 11.86 | 14.10 | 25.96 | ONE | 30.345 | 274.1 | -28.7 | 11.6 | | | | | | | | | | |
| 45750.0 | 48180.0 | 0.530 | 240.2 | -17.2 | 1.15 | 1.540 | 90.2 | 1.345 | -2.865 | 359.7 | 493.3 | 0.989 | NA | 0.77 | 0.644 | 175.5 | 81.0 | 28.6 | 0.657 |
| | | 11.45 | 14.13 | 25.58 | ONE | 30.345 | 274.1 | -28.7 | 11.5 | | | | | | | | | | |
| 45760.0 | 48180.0 | 0.541 | 233.5 | -16.3 | 1.00 | 1.539 | 84.4 | 1.344 | -2.854 | 9.8 | 133.4 | 0.983D | NA | 1.01 | 0.645 | 175.5 | 81.0 | 28.6 | 0.658 |
| | | 11.72 | 14.15 | 25.87 | ONE | 30.345 | 274.1 | -28.7 | 11.5 | | | | | | | | | | |
| 45770.0 | 48180.0 | 0.580 | 227.5 | -15.3 | 0.91 | 1.538 | 78.4 | 1.336 | -2.848 | 20.3 | 133.8 | 0.958D | NA | 1.20 | 0.646 | 175.6 | 80.9 | 28.6 | 0.659 |
| | | 12.70 | 14.17 | 26.87 | ONE | 30.345 | 274.1 | -28.7 | 11.6 | | | | | | | | | | |
| 45780.0 | 48180.0 | 0.644 | 223.3 | -14.5 | 0.86 | 1.536 | 72.3 | 1.322 | -2.845 | 31.1 | 134.7 | 0.915D | NA | 1.36 | 0.646 | 175.7 | 80.8 | 28.6 | 0.660 |
| | | 14.34 | 14.19 | 28.53 | ONE | 30.345 | 274.1 | -28.7 | 11.7 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448380.0 | | | | | | | | | | | |
| 45720.0 | 48380.0 | 0.605 | 250.6 | -14.6 | 3.14 | 1.518 | 105.1 | 1.250 | -3.693 | 332.9 | 498.1 | 0.924 | NA | -1.45 | 0.581 | 175.3 | 80.6 | 28.4 | 0.595 |
| | | 13.33 | 12.67 | 26.00 | ONE | 29.731 | 275.4 | -28.7 | 13.0 | | | | | | | | | | |
| 45730.0 | 48380.0 | 0.552 | 247.8 | -16.7 | 1.90 | 1.518 | 99.9 | 1.262 | -3.663 | 342.3 | 497.4 | 0.959 | NA | -0.14 | 0.582 | 175.2 | 80.8 | 28.5 | 0.597 |
| | | 11.99 | 12.70 | 24.69 | ONE | 29.731 | 275.4 | -28.7 | 12.9 | | | | | | | | | | |
| 45740.0 | 48380.0 | 0.517 | 243.0 | -17.0 | 1.39 | 1.517 | 94.5 | 1.270 | -3.640 | 351.9 | 496.9 | 0.981 | NA | 0.44 | 0.584 | 175.1 | 80.9 | 28.5 | 0.598 |
| | | 11.13 | 12.73 | 23.86 | ONE | 29.731 | 275.4 | -28.7 | 12.8 | | | | | | | | | | |
| 45750.0 | 48380.0 | 0.505 | 236.6 | -16.4 | 1.13 | 1.516 | 89.0 | 1.273 | -3.623 | 1.8 | 136.7 | 0.988D | NA | 0.79 | 0.585 | 175.1 | 80.9 | 28.6 | 0.599 |
| | | 10.86 | 12.76 | 23.62 | ONE | 29.731 | 275.4 | -28.7 | 12.7 | | | | | | | | | | |
| 45760.0 | 48380.0 | 0.522 | 229.9 | -15.4 | 0.97 | 1.515 | 83.3 | 1.271 | -3.612 | 12.0 | 136.8 | 0.979D | NA | 1.03 | 0.586 | 175.2 | 80.9 | 28.6 | 0.600 |
| | | 11.27 | 12.77 | 24.04 | ONE | 29.731 | 275.4 | -28.7 | 12.7 | | | | | | | | | | |
| 45770.0 | 48380.0 | 0.566 | 224.2 | -14.4 | 0.88 | 1.513 | 77.4 | 1.264 | -3.607 | 22.5 | 137.3 | 0.951D | NA | 1.21 | 0.586 | 175.2 | 80.8 | 28.6 | 0.600 |
| | | 12.35 | 12.79 | 25.14 | ONE | 29.731 | 275.4 | -28.7 | 12.8 | | | | | | | | | | |
| 45780.0 | 48380.0 | 0.634 | 220.5 | -13.8 | 0.83 | 1.512 | 71.4 | 1.251 | -3.605 | 33.4 | 138.2 | 0.905D | NA | 1.37 | 0.586 | 175.4 | 80.7 | 28.6 | 0.601 |
| | | 14.06 | 12.80 | 26.86 | ONE | 29.731 | 275.4 | -28.7 | 12.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2448580.0 | | | | | | | | | | | |
| 45720.0 | 48580.0 | 0.575 | 248.8 | -13.6 | 3.27 | 1.499 | 103.9 | 1.200 | -4.659 | 334.5 | 501.0 | 0.932 | NA | -1.58 | 0.530 | 174.9 | 80.6 | 28.3 | 0.546 |
| | | 12.58 | 11.55 | 24.12 | ONE | 30.830 | 276.8 | -28.6 | 14.2 | | | | | | | | | | |
| 45730.0 | 48580.0 | 0.524 | 245.4 | -16.1 | 1.91 | 1.499 | 98.8 | 1.209 | -4.621 | 344.0 | 500.3 | 0.964 | NA | -0.14 | 0.532 | 174.8 | 80.7 | 28.5 | 0.547 |
| | | 11.32 | 11.57 | 22.89 | ONE | 30.830 | 276.8 | -28.6 | 14.1 | | | | | | | | | | |
| 45740.0 | 48580.0 | 0.493 | 240.1 | -16.4 | 1.38 | 1.498 | 93.5 | 1.214 | -4.593 | 353.7 | 499.8 | 0.983 | NA | 0.46 | 0.533 | 174.7 | 80.8 | 28.5 | 0.548 |
| | | 10.57 | 11.60 | 22.17 | ONE | 30.830 | 276.8 | -28.6 | 14.0 | | | | | | | | | | |
| 45750.0 | 48580.0 | 0.487 | 233.4 | -15.7 | 1.10 | 1.497 | 88.0 | 1.216 | -4.574 | 3.7 | 139.7 | 0.987D | NA | 0.80 | 0.534 | 174.7 | 80.9 | 28.6 | 0.549 |
| | | 10.43 | 11.62 | 22.04 | ONE | 30.830 | 276.8 | -28.6 | 14.0 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45760.0 | 48580.0 | 0.509 | 226.8 | -14.7 | 0.95 | 1.496 | 82.4 | 1.214 | -4.562 | 13.9 | 139.9 | 0.975D | NA | 1.04 | 0.534 | 174.8 | 80.8 | 28.6 | 0.550 |
| | | 10.94 | 11.63 | 22.57 | ONE | 30.830 | 276.8 | -28.6 | 14.0 | | | | | | | | | | |
| 45770.0 | 48580.0 | 0.557 | 221.5 | -13.7 | 0.85 | 1.494 | 76.6 | 1.207 | -4.558 | 24.5 | 140.5 | 0.944D | NA | 1.23 | 0.534 | 174.9 | 80.7 | 28.6 | 0.550 |
| | | 12.11 | 11.64 | 23.75 | ONE | 30.830 | 276.8 | -28.6 | 14.1 | | | | | | | | | | |
| 45780.0 | 48580.0 | 0.626 | 218.2 | -13.1 | 0.80 | 1.492 | 70.7 | 1.196 | -4.559 | 35.4 | 141.4 | 0.896D | NA | 1.38 | 0.534 | 175.0 | 80.6 | 28.6 | 0.551 |
| | | 13.87 | 11.65 | 25.52 | ONE | 30.830 | 276.8 | -28.6 | 14.2 | | | | | | | | | | |
| ARRIVAL DATE = 2448780.0 | | | | | | | | | | | | | | | | | | | |
| 45720.0 | 48780.0 | 0.551 | 247.2 | -12.7 | 3.42 | 1.484 | 102.9 | 1.159 | -5.888 | 336.0 | 503.6 | 0.938 | NA | -1.73 | 0.486 | 174.4 | 80.5 | 28.3 | 0.503 |
| | | 11.98 | 10.61 | 22.59 | ONE | 29.313 | 278.1 | -28.6 | 15.5 | | | | | | | | | | |
| 45730.0 | 48780.0 | 0.502 | 243.3 | -15.5 | 1.91 | 1.484 | 97.8 | 1.166 | -5.840 | 345.5 | 503.0 | 0.968 | NA | -0.15 | 0.487 | 174.3 | 80.6 | 28.5 | 0.504 |
| | | 10.79 | 10.63 | 21.42 | ONE | 29.313 | 278.1 | -28.6 | 15.4 | | | | | | | | | | |
| 45740.0 | 48780.0 | 0.475 | 237.6 | -15.8 | 1.36 | 1.483 | 92.5 | 1.170 | -5.805 | 355.3 | 502.6 | 0.985 | NA | 0.47 | 0.488 | 174.3 | 80.7 | 28.5 | 0.505 |
| | | 10.14 | 10.65 | 20.79 | ONE | 29.313 | 278.1 | -28.6 | 15.3 | | | | | | | | | | |
| 45750.0 | 48780.0 | 0.473 | 230.7 | -15.1 | 1.08 | 1.482 | 87.1 | 1.171 | -5.782 | 5.3 | 142.5 | 0.986D | NA | 0.82 | 0.489 | 174.3 | 80.7 | 28.6 | 0.506 |
| | | 10.10 | 10.66 | 20.76 | ONE | 29.313 | 278.1 | -28.6 | 15.3 | | | | | | | | | | |
| 45760.0 | 48780.0 | 0.499 | 224.1 | -14.0 | 0.92 | 1.480 | 81.6 | 1.168 | -5.771 | 15.6 | 142.8 | 0.971D | NA | 1.06 | 0.489 | 174.4 | 80.7 | 28.6 | 0.506 |
| | | 10.71 | 10.67 | 21.38 | ONE | 29.313 | 278.1 | -28.6 | 15.3 | | | | | | | | | | |
| 45770.0 | 48780.0 | 0.550 | 219.2 | -13.1 | 0.82 | 1.479 | 75.9 | 1.163 | -5.769 | 26.2 | 143.3 | 0.938D | NA | 1.24 | 0.490 | 174.5 | 80.6 | 28.6 | 0.507 |
| | | 11.94 | 10.68 | 22.62 | ONE | 29.313 | 278.1 | -28.6 | 15.4 | | | | | | | | | | |
| 45780.0 | 48780.0 | 0.621 | 216.3 | -12.6 | 0.77 | 1.477 | 70.1 | 1.154 | -5.776 | 37.1 | 144.3 | 0.888D | NA | 1.39 | 0.489 | 174.6 | 80.4 | 28.6 | 0.507 |
| | | 13.73 | 10.69 | 24.41 | ONE | 29.313 | 278.1 | -28.6 | 15.5 | | | | | | | | | | |
| ARRIVAL DATE = 2448980.0 | | | | | | | | | | | | | | | | | | | |
| 45720.0 | 48980.0 | 0.532 | 245.8 | -11.7 | 3.61 | 1.472 | 102.1 | 1.126 | -7.486 | 337.2 | 506.0 | 0.943 | NA | -1.91 | 0.447 | 174.0 | 80.3 | 28.3 | 0.466 |
| | | 11.50 | 9.81 | 21.32 | ONE | 31.113 | 279.5 | -28.5 | 16.8 | | | | | | | | | | |
| 45730.0 | 48980.0 | 0.485 | 241.4 | -14.9 | 1.92 | 1.471 | 97.0 | 1.131 | -7.424 | 346.8 | 505.5 | 0.971 | NA | -0.16 | 0.448 | 173.9 | 80.5 | 28.4 | 0.467 |
| | | 10.37 | 9.83 | 20.21 | ONE | 31.113 | 279.5 | -28.5 | 16.7 | | | | | | | | | | |
| 45740.0 | 48980.0 | 0.461 | 235.3 | -15.2 | 1.34 | 1.471 | 91.8 | 1.134 | -7.379 | 356.6 | 505.2 | 0.986 | NA | 0.49 | 0.449 | 173.9 | 80.6 | 28.5 | 0.468 |
| | | 9.81 | 9.85 | 19.66 | ONE | 31.113 | 279.5 | -28.5 | 16.6 | | | | | | | | | | |
| 45750.0 | 48980.0 | 0.463 | 228.3 | -14.5 | 1.05 | 1.469 | 86.4 | 1.134 | -7.352 | 6.7 | 145.1 | 0.985D | NA | 0.84 | 0.450 | 173.9 | 80.6 | 28.6 | 0.468 |
| | | 9.85 | 9.86 | 19.71 | ONE | 31.113 | 279.5 | -28.5 | 16.6 | | | | | | | | | | |
| 45760.0 | 48980.0 | 0.491 | 221.9 | -13.4 | 0.99 | 1.468 | 80.9 | 1.132 | -7.340 | 17.1 | 145.4 | 0.968D | NA | 1.08 | 0.450 | 173.9 | 80.5 | 28.6 | 0.469 |
| | | 10.53 | 9.87 | 20.40 | ONE | 31.113 | 279.5 | -28.5 | 16.6 | | | | | | | | | | |
| 45770.0 | 48980.0 | 0.544 | 217.2 | -12.5 | 0.80 | 1.466 | 75.3 | 1.127 | -7.343 | 27.7 | 146.0 | 0.933D | NA | 1.25 | 0.450 | 174.0 | 80.4 | 28.6 | 0.469 |
| | | 11.81 | 9.87 | 21.69 | ONE | 31.113 | 279.5 | -28.5 | 16.7 | | | | | | | | | | |
| 45780.0 | 48980.0 | 0.616 | 214.7 | -12.1 | 0.74 | 1.464 | 69.6 | 1.120 | -7.358 | 38.5 | 146.9 | 0.882D | NA | 1.40 | 0.450 | 174.2 | 80.2 | 28.6 | 0.469 |
| | | 13.62 | 9.88 | 23.50 | ONE | 31.113 | 279.5 | -28.5 | 16.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449180.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 49180.0 | 0.634 | 242.3 | -29.1 | -3.69 | 1.461 | 111.1 | 1.087 | -9.877 | 319.5 | 509.9 | 0.861 | NA | 5.27 | 0.409 | 173.8 | 79.6 | 28.9 | 0.431 |
| | | 14.08 | 9.10 | 23.18 | TWO | 29.148 | 280.8 | -28.4 | 18.6 | | | | | | | | | | |
| 45720.0 | 49180.0 | 0.516 | 244.7 | -10.6 | 3.83 | 1.462 | 101.4 | 1.098 | -9.623 | 338.3 | 508.3 | 0.947 | NA | -2.13 | 0.413 | 173.5 | 80.2 | 28.2 | 0.433 |
| | | 11.12 | 9.14 | 20.26 | ONE | 29.148 | 280.8 | -28.4 | 18.2 | | | | | | | | | | |
| 45730.0 | 49180.0 | 0.471 | 239.7 | -14.4 | 1.93 | 1.461 | 96.3 | 1.102 | -9.538 | 347.9 | 507.8 | 0.974 | NA | -0.17 | 0.414 | 173.4 | 80.3 | 28.4 | 0.434 |
| | | 10.04 | 9.16 | 19.19 | ONE | 29.148 | 280.8 | -28.4 | 18.0 | | | | | | | | | | |
| 45740.0 | 49180.0 | 0.449 | 233.4 | -14.8 | 1.32 | 1.460 | 91.1 | 1.104 | -9.479 | 357.8 | 507.5 | 0.986 | NA | 0.50 | 0.414 | 173.4 | 80.4 | 28.5 | 0.434 |
| | | 9.54 | 9.17 | 18.71 | ONE | 29.148 | 280.8 | -28.4 | 18.0 | | | | | | | | | | |
| 45750.0 | 49180.0 | 0.454 | 226.3 | -14.0 | 1.03 | 1.459 | 85.8 | 1.104 | -9.445 | 7.9 | 147.5 | 0.984D | NA | 0.86 | 0.415 | 173.4 | 80.4 | 28.6 | 0.435 |
| | | 9.65 | 9.18 | 18.83 | ONE | 29.148 | 280.8 | -28.4 | 18.0 | | | | | | | | | | |
| 45760.0 | 49180.0 | 0.486 | 220.0 | -12.9 | 0.86 | 1.458 | 80.4 | 1.102 | -9.435 | 18.3 | 147.8 | 0.965D | NA | 1.09 | 0.415 | 173.5 | 80.3 | 28.6 | 0.435 |
| | | 10.39 | 9.19 | 19.58 | ONE | 29.148 | 280.8 | -28.4 | 18.0 | | | | | | | | | | |
| 45770.0 | 49180.0 | 0.540 | 215.7 | -12.1 | 0.77 | 1.456 | 74.9 | 1.098 | -9.446 | 28.9 | 148.4 | 0.929D | NA | 1.27 | 0.415 | 173.6 | 80.2 | 28.6 | 0.435 |
| | | 11.72 | 9.19 | 20.91 | ONE | 29.148 | 280.8 | -28.4 | 18.1 | | | | | | | | | | |
| 45780.0 | 49180.0 | 0.613 | 213.4 | -11.8 | 0.71 | 1.454 | 69.2 | 1.092 | -9.475 | 39.7 | 149.3 | 0.876D | NA | 1.41 | 0.415 | 173.8 | 80.0 | 28.6 | 0.436 |
| | | 13.54 | 9.20 | 22.73 | ONE | 29.148 | 280.8 | -28.4 | 18.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449380.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 49380.0 | 0.617 | 241.7 | -28.0 | -3.15 | 1.453 | 110.5 | 1.067 | -12.964 | 320.3 | 511.9 | 0.866 | NA | 4.74 | 0.379 | 173.3 | 79.3 | 28.9 | 0.402 |
| | | 13.65 | 8.53 | 22.18 | TWO | 31.106 | 282.2 | -28.3 | 20.0 | | | | | | | | | | |
| 45720.0 | 49380.0 | 0.504 | 243.7 | -9.3 | 4.12 | 1.453 | 100.8 | 1.075 | -12.591 | 339.2 | 510.3 | 0.951 | NA | -2.41 | 0.382 | 173.0 | 79.9 | 28.1 | 0.404 |
| | | 10.82 | 8.57 | 19.39 | ONE | 31.106 | 282.2 | -28.3 | 19.6 | | | | | | | | | | |
| 45730.0 | 49380.0 | 0.459 | 236.3 | -14.0 | 1.94 | 1.453 | 95.8 | 1.078 | -12.470 | 348.9 | 509.9 | 0.975 | NA | -0.18 | 0.383 | 172.9 | 80.1 | 28.4 | 0.404 |
| | | 9.76 | 8.58 | 18.35 | ONE | 31.106 | 282.2 | -28.3 | 19.4 | | | | | | | | | | |
| 45740.0 | 49380.0 | 0.440 | 231.7 | -14.4 | 1.30 | 1.452 | 90.6 | 1.080 | -12.389 | 358.8 | 509.7 | 0.986 | NA | 0.52 | 0.383 | 172.9 | 80.1 | 28.5 | 0.405 |
| | | 9.33 | 8.59 | 17.92 | ONE | 31.106 | 282.2 | -28.3 | 19.4 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45750.0 | 49380.0 | 0.447 | 224.6 | -13.6 | 1.00 | 1.451 | 85.4 | 1.080 | -12.346 | 8.9 | 149.7 | 0.982D | NA | 0.88 | 0.384 | 172.9 | 80.1 | 28.5 | 0.405 |
| | | 9.50 | 8.60 | 18.10 | ONE | 31.106 | 282.2 | -28.3 | 19.4 | | | | | | | | | | |
| 45760.0 | 49380.0 | 0.481 | 218.5 | -12.5 | 0.83 | 1.449 | 80.0 | 1.078 | -12.340 | 19.3 | 150.0 | 0.962D | NA | 1.11 | 0.384 | 173.0 | 80.0 | 28.6 | 0.406 |
| | | 10.28 | 8.61 | 18.89 | ONE | 31.106 | 282.2 | -28.3 | 19.4 | | | | | | | | | | |
| 45770.0 | 49380.0 | 0.537 | 214.4 | -11.7 | 0.73 | 1.447 | 74.5 | 1.075 | -12.365 | 29.9 | 150.6 | 0.925D | NA | 1.28 | 0.384 | 173.1 | 79.9 | 28.6 | 0.406 |
| | | 11.64 | 8.61 | 20.24 | ONE | 31.106 | 282.2 | -28.3 | 19.6 | | | | | | | | | | |
| 45780.0 | 49380.0 | 0.610 | 212.4 | -11.5 | 0.68 | 1.445 | 68.9 | 1.070 | -12.418 | 40.7 | 151.5 | 0.871D | NA | 1.42 | 0.383 | 173.3 | 79.7 | 28.6 | 0.406 |
| | | 13.46 | 8.61 | 22.08 | ONE | 31.106 | 282.2 | -28.3 | 19.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449580.0 | | | | | | | | | | | |
| 45700.0 | 49580.0 | 0.604 | 241.2 | -27.0 | -2.70 | 1.446 | 110.0 | 1.050 | -17.532 | 320.9 | 513.7 | 0.871 | NA | 4.31 | 0.351 | 172.8 | 79.0 | 28.9 | 0.376 |
| | | 13.29 | 8.05 | 21.34 | TWO | 29.285 | 283.5 | -28.1 | 21.5 | | | | | | | | | | |
| 45710.0 | 49580.0 | 0.603 | 237.3 | -52.5 | -13.09 | 1.446 | 105.3 | 1.053 | -17.203 | 330.3 | 512.9 | 0.917 | NA | 14.75 | 0.353 | 172.6 | 79.0 | 30.1 | 0.378 |
| | | 13.28 | 8.08 | 21.36 | TWO | 29.285 | 283.5 | -28.1 | 21.5 | | | | | | | | | | |
| 45720.0 | 49580.0 | 0.494 | 243.1 | -7.9 | 4.50 | 1.446 | 100.3 | 1.056 | -16.947 | 339.9 | 512.3 | 0.953 | NA | -2.79 | 0.354 | 172.5 | 79.6 | 28.1 | 0.378 |
| | | 10.59 | 8.08 | 18.67 | ONE | 29.285 | 283.5 | -28.1 | 21.0 | | | | | | | | | | |
| 45730.0 | 49580.0 | 0.449 | 237.1 | -13.6 | 1.95 | 1.446 | 95.3 | 1.058 | -16.761 | 349.7 | 511.9 | 0.977 | NA | -0.19 | 0.355 | 172.4 | 79.8 | 28.4 | 0.378 |
| | | 9.54 | 8.09 | 17.63 | ONE | 29.285 | 283.5 | -28.1 | 20.9 | | | | | | | | | | |
| 45740.0 | 49580.0 | 0.432 | 230.3 | -14.1 | 1.27 | 1.445 | 90.2 | 1.059 | -16.642 | 359.6 | 511.7 | 0.987 | NA | 0.54 | 0.356 | 172.4 | 79.8 | 28.5 | 0.379 |
| | | 9.16 | 8.10 | 17.25 | ONE | 29.285 | 283.5 | -28.1 | 20.8 | | | | | | | | | | |
| 45750.0 | 49580.0 | 0.442 | 223.2 | -13.2 | 0.97 | 1.443 | 85.0 | 1.059 | -16.585 | 9.8 | 151.8 | 0.981D | NA | 0.91 | 0.356 | 172.4 | 79.8 | 28.5 | 0.379 |
| | | 9.37 | 8.10 | 17.48 | ONE | 29.285 | 283.5 | -28.1 | 20.8 | | | | | | | | | | |
| 45760.0 | 49580.0 | 0.477 | 217.2 | -12.2 | 0.80 | 1.442 | 79.6 | 1.058 | -16.587 | 20.2 | 152.1 | 0.960D | NA | 1.13 | 0.356 | 172.5 | 79.7 | 28.6 | 0.379 |
| | | 10.19 | 8.11 | 18.30 | ONE | 29.285 | 283.5 | -28.1 | 20.9 | | | | | | | | | | |
| 45770.0 | 49580.0 | 0.534 | 213.3 | -11.5 | 0.70 | 1.440 | 74.2 | 1.055 | -16.641 | 30.7 | 152.6 | 0.922D | NA | 1.30 | 0.356 | 172.6 | 79.6 | 28.6 | 0.379 |
| | | 11.57 | 8.11 | 19.68 | ONE | 29.285 | 283.5 | -28.1 | 21.0 | | | | | | | | | | |
| 45780.0 | 49580.0 | 0.608 | 211.6 | -11.3 | 0.64 | 1.438 | 68.7 | 1.052 | -16.741 | 41.5 | 153.5 | 0.868D | NA | 1.43 | 0.355 | 172.8 | 79.3 | 28.5 | 0.380 |
| | | 13.40 | 8.11 | 21.51 | ONE | 29.285 | 283.5 | -28.1 | 21.3 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449780.0 | | | | | | | | | | | |
| 45700.0 | 49780.0 | 0.592 | 240.8 | -26.2 | -2.33 | 1.440 | 109.6 | 1.035 | -24.904 | 321.4 | 515.4 | 0.874 | NA | 3.95 | 0.326 | 172.2 | 78.7 | 28.8 | 0.353 |
| | | 13.01 | 7.63 | 20.64 | TWO | 30.808 | 284.8 | -28.0 | 23.0 | | | | | | | | | | |
| 45710.0 | 49780.0 | 0.557 | 237.8 | -42.4 | -8.52 | 1.440 | 104.9 | 1.038 | -24.327 | 330.8 | 514.6 | 0.920 | NA | 10.18 | 0.328 | 172.0 | 78.8 | 29.6 | 0.354 |
| | | 12.12 | 7.65 | 19.77 | TWO | 30.808 | 284.8 | -28.0 | 22.8 | | | | | | | | | | |
| 45720.0 | 49780.0 | 0.487 | 242.7 | -6.1 | 5.01 | 1.440 | 99.9 | 1.040 | -23.885 | 340.5 | 514.1 | 0.955 | NA | -3.30 | 0.329 | 171.9 | 79.3 | 27.9 | 0.354 |
| | | 10.42 | 7.65 | 18.08 | ONE | 30.808 | 284.8 | -28.0 | 22.5 | | | | | | | | | | |
| 45730.0 | 49780.0 | 0.441 | 236.1 | -13.2 | 1.97 | 1.440 | 94.9 | 1.041 | -23.571 | 350.3 | 513.7 | 0.978 | NA | -0.20 | 0.330 | 171.8 | 79.4 | 28.4 | 0.355 |
| | | 9.36 | 7.66 | 17.03 | ONE | 30.808 | 284.8 | -28.0 | 22.4 | | | | | | | | | | |
| 45740.0 | 49780.0 | 0.426 | 229.2 | -13.8 | 1.25 | 1.439 | 89.8 | 1.042 | -23.376 | 0.3 | 153.6 | 0.987D | NA | 0.57 | 0.330 | 171.8 | 79.5 | 28.5 | 0.355 |
| | | 9.02 | 7.67 | 16.69 | ONE | 30.808 | 284.8 | -28.0 | 22.3 | | | | | | | | | | |
| 45750.0 | 49780.0 | 0.437 | 222.0 | -13.0 | 0.94 | 1.437 | 84.7 | 1.042 | -23.293 | 10.5 | 153.6 | 0.980D | NA | 0.93 | 0.331 | 171.8 | 79.5 | 28.5 | 0.355 |
| | | 9.27 | 7.67 | 16.95 | ONE | 30.808 | 284.8 | -28.0 | 22.3 | | | | | | | | | | |
| 45760.0 | 49780.0 | 0.474 | 216.2 | -12.0 | 0.77 | 1.436 | 79.4 | 1.041 | -23.314 | 20.8 | 153.9 | 0.958D | NA | 1.16 | 0.330 | 171.9 | 79.4 | 28.5 | 0.356 |
| | | 10.12 | 7.68 | 17.80 | ONE | 30.808 | 284.8 | -28.0 | 22.4 | | | | | | | | | | |
| 45770.0 | 49780.0 | 0.532 | 212.5 | -11.3 | 0.67 | 1.434 | 74.0 | 1.039 | -23.431 | 31.4 | 154.5 | 0.919D | NA | 1.32 | 0.330 | 172.1 | 79.2 | 28.5 | 0.356 |
| | | 11.50 | 7.68 | 19.18 | ONE | 30.808 | 284.8 | -28.0 | 22.6 | | | | | | | | | | |
| 45780.0 | 49780.0 | 0.605 | 210.9 | -11.1 | 0.61 | 1.432 | 68.5 | 1.037 | -23.631 | 42.2 | 155.3 | 0.865D | NA | 1.44 | 0.330 | 172.3 | 78.9 | 28.5 | 0.356 |
| | | 13.33 | 7.69 | 21.02 | ONE | 30.808 | 284.8 | -28.0 | 22.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449980.0 | | | | | | | | | | | |
| 45700.0 | 49980.0 | 0.583 | 240.5 | -25.5 | -2.02 | 1.435 | 109.3 | 1.023 | -38.648 | 321.8 | 517.0 | 0.877 | NA | 3.64 | 0.304 | 171.6 | 78.3 | 28.8 | 0.332 |
| | | 12.78 | 7.27 | 20.05 | TWO | 29.679 | 286.2 | -27.8 | 24.5 | | | | | | | | | | |
| 45710.0 | 49980.0 | 0.535 | 238.2 | -36.6 | -6.09 | 1.435 | 104.5 | 1.025 | -37.433 | 331.3 | 516.3 | 0.922 | NA | 7.77 | 0.305 | 171.5 | 78.5 | 29.4 | 0.333 |
| | | 11.58 | 7.28 | 18.86 | TWO | 29.679 | 286.2 | -27.8 | 24.3 | | | | | | | | | | |
| 45720.0 | 49980.0 | 0.483 | 242.6 | -3.7 | 5.76 | 1.435 | 99.6 | 1.026 | -36.523 | 341.0 | 515.8 | 0.957 | NA | -4.04 | 0.306 | 171.3 | 78.9 | 27.8 | 0.333 |
| | | 10.33 | 7.29 | 17.62 | ONE | 29.679 | 286.2 | -27.8 | 24.1 | | | | | | | | | | |
| 45730.0 | 49980.0 | 0.435 | 235.4 | -12.9 | 1.98 | 1.435 | 94.6 | 1.027 | -35.891 | 350.8 | 515.4 | 0.979 | NA | -0.22 | 0.307 | 171.2 | 79.0 | 28.3 | 0.333 |
| | | 9.22 | 7.30 | 16.51 | ONE | 29.679 | 286.2 | -27.8 | 23.9 | | | | | | | | | | |
| 45740.0 | 49980.0 | 0.421 | 228.3 | -13.6 | 1.22 | 1.434 | 89.6 | 1.028 | -35.514 | 0.8 | 155.3 | 0.987D | NA | 0.59 | 0.307 | 171.2 | 79.1 | 28.4 | 0.334 |
| | | 8.90 | 7.30 | 16.20 | ONE | 29.679 | 286.2 | -27.8 | 23.8 | | | | | | | | | | |
| 45750.0 | 49980.0 | 0.434 | 221.1 | -12.8 | 0.90 | 1.432 | 84.4 | 1.028 | -35.374 | 11.0 | 155.4 | 0.979D | NA | 0.96 | 0.308 | 171.3 | 79.1 | 28.5 | 0.334 |
| | | 9.18 | 7.31 | 16.49 | ONE | 29.679 | 286.2 | -27.8 | 23.9 | | | | | | | | | | |
| 45760.0 | 49980.0 | 0.471 | 215.4 | -11.8 | 0.74 | 1.431 | 79.2 | 1.027 | -35.453 | 21.4 | 155.7 | 0.956D | NA | 1.18 | 0.307 | 171.4 | 79.0 | 28.5 | 0.334 |
| | | 10.05 | 7.31 | 17.36 | ONE | 29.679 | 286.2 | -27.8 | 24.0 | | | | | | | | | | |
| 45770.0 | 49980.0 | 0.529 | 211.9 | -11.1 | 0.64 | 1.429 | 73.8 | 1.026 | -35.734 | 31.9 | 156.2 | 0.917D | NA | 1.33 | 0.307 | 171.5 | 78.8 | 28.5 | 0.334 |
| | | 11.44 | 7.31 | 18.75 | ONE | 29.679 | 286.2 | -27.8 | 24.1 | | | | | | | | | | |

1984
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45780.0 | 49980.0 | 0.602 | 210.4 | -11.0 | 0.58 | 1.427 | 68.4 | 1.024 | -36.198 | 42.6 | 156.9 | 0.863D | NA | 1.46 | 0.307 | 171.8 | 78.5 | 28.5 | 0.335 |
| | | 13.26 | 7.32 | 20.58 | ONE | 29.679 | 286.2 | -27.8 | 24.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450180.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 50180.0 | 0.643 | 239.1 | -22.7 | -1.10 | 1.430 | 113.8 | 1.011 | -77.921 | 312.7 | 519.2 | 0.825 | NA | 2.69 | 0.281 | 171.3 | 77.4 | 28.6 | 0.312 |
| | | 14.31 | 6.94 | 21.26 | TWO | 30.309 | 287.5 | -27.7 | 26.5 | | | | | | | | | | |
| 45700.0 | 50180.0 | 0.576 | 240.3 | -24.8 | -1.75 | 1.431 | 109.1 | 1.012 | -72.852 | 322.1 | 518.4 | 0.879 | NA | 3.38 | 0.283 | 171.0 | 77.8 | 28.7 | 0.313 |
| | | 12.59 | 6.95 | 19.54 | TWO | 30.309 | 287.5 | -27.7 | 26.1 | | | | | | | | | | |
| 45710.0 | 50180.0 | 0.522 | 238.4 | -32.9 | -4.60 | 1.431 | 104.3 | 1.013 | -69.091 | 331.6 | 517.8 | 0.924 | NA | 6.27 | 0.284 | 170.8 | 78.0 | 29.2 | 0.314 |
| | | 11.25 | 6.97 | 18.22 | TWO | 30.309 | 287.5 | -27.7 | 25.9 | | | | | | | | | | |
| 45720.0 | 50180.0 | 0.484 | 243.0 | -0.1 | 6.93 | 1.431 | 99.4 | 1.014 | -66.393 | 341.4 | 517.3 | 0.958 | NA | -5.21 | 0.285 | 170.7 | 78.5 | 27.5 | 0.314 |
| | | 10.35 | 6.97 | 17.32 | ONE | 30.309 | 287.5 | -27.7 | 25.7 | | | | | | | | | | |
| 45730.0 | 50180.0 | 0.430 | 234.8 | -12.7 | 2.00 | 1.430 | 94.4 | 1.015 | -64.590 | 351.2 | 517.0 | 0.979 | NA | -0.24 | 0.286 | 170.6 | 78.6 | 28.3 | 0.314 |
| | | 9.10 | 6.98 | 16.07 | ONE | 30.309 | 287.5 | -27.7 | 25.5 | | | | | | | | | | |
| 45740.0 | 50180.0 | 0.417 | 227.5 | -13.5 | 1.19 | 1.429 | 89.4 | 1.016 | -63.564 | 1.3 | 156.9 | 0.986D | NA | 0.62 | 0.287 | 170.6 | 78.6 | 28.4 | 0.315 |
| | | 8.80 | 6.98 | 15.78 | ONE | 30.309 | 287.5 | -27.7 | 25.4 | | | | | | | | | | |
| 45750.0 | 50180.0 | 0.430 | 220.4 | -12.7 | 0.97 | 1.428 | 84.2 | 1.015 | -63.237 | 11.4 | 157.0 | 0.979D | NA | 0.99 | 0.287 | 170.6 | 78.6 | 28.5 | 0.315 |
| | | 9.11 | 6.99 | 16.09 | ONE | 30.309 | 287.5 | -27.7 | 25.5 | | | | | | | | | | |
| 45760.0 | 50180.0 | 0.468 | 214.8 | -11.7 | 0.70 | 1.426 | 79.0 | 1.015 | -63.554 | 21.8 | 157.3 | 0.955D | NA | 1.20 | 0.287 | 170.8 | 78.5 | 28.5 | 0.315 |
| | | 9.99 | 6.99 | 16.98 | ONE | 30.309 | 287.5 | -27.7 | 25.5 | | | | | | | | | | |
| 45770.0 | 50180.0 | 0.527 | 211.4 | -11.1 | 0.60 | 1.424 | 73.7 | 1.014 | -64.475 | 32.3 | 157.8 | 0.916D | NA | 1.35 | 0.286 | 170.9 | 78.3 | 28.5 | 0.315 |
| | | 11.38 | 6.99 | 18.37 | ONE | 30.309 | 287.5 | -27.7 | 25.7 | | | | | | | | | | |
| 45780.0 | 50180.0 | 0.600 | 210.1 | -11.0 | 0.55 | 1.422 | 68.4 | 1.013 | -65.970 | 43.0 | 158.5 | 0.862D | NA | 1.47 | 0.286 | 171.2 | 78.0 | 28.5 | 0.316 |
| | | 13.19 | 7.00 | 20.19 | ONE | 30.309 | 287.5 | -27.7 | 26.0 | | | | | | | | | | |
| ARRIVAL DATE = 2450380.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 50380.0 | 0.638 | 239.0 | -22.5 | -0.98 | 1.427 | 113.6 | 1.002 | ******* | 312.9 | 520.6 | 0.826 | NA | 2.58 | 0.262 | 170.6 | 76.9 | 28.5 | 0.295 |
| | | 14.17 | 6.67 | 20.84 | TWO | 30.210 | 288.8 | -27.5 | 28.1 | | | | | | | | | | |
| 45700.0 | 50380.0 | 0.570 | 240.2 | -24.3 | -1.52 | 1.427 | 108.9 | 1.003 | ******* | 322.3 | 519.8 | 0.881 | NA | 3.16 | 0.264 | 170.4 | 77.3 | 28.7 | 0.296 |
| | | 12.44 | 6.68 | 19.12 | TWO | 30.210 | 288.8 | -27.5 | 27.8 | | | | | | | | | | |
| 45710.0 | 50380.0 | 0.513 | 238.6 | -30.2 | -3.58 | 1.428 | 104.1 | 1.004 | ******* | 331.9 | 519.2 | 0.925 | NA | 5.26 | 0.265 | 170.2 | 77.5 | 29.0 | 0.296 |
| | | 11.04 | 6.69 | 17.73 | TWO | 30.210 | 288.8 | -27.5 | 27.5 | | | | | | | | | | |
| 45720.0 | 50380.0 | 0.494 | 244.3 | 5.8 | 9.07 | 1.427 | 99.2 | 1.004 | ******* | 341.7 | 518.8 | 0.959 | NA | -7.35 | 0.266 | 170.1 | 78.0 | 27.1 | 0.297 |
| | | 10.60 | 6.70 | 17.29 | ONE | 30.210 | 288.8 | -27.5 | 27.4 | | | | | | | | | | |
| 45730.0 | 50380.0 | 0.425 | 234.4 | -12.4 | 2.02 | 1.427 | 94.2 | 1.005 | ******* | 351.5 | 518.5 | 0.980 | NA | -0.26 | 0.267 | 170.0 | 78.1 | 28.2 | 0.297 |
| | | 9.00 | 6.70 | 15.70 | ONE | 30.210 | 288.8 | -27.5 | 27.1 | | | | | | | | | | |
| 45740.0 | 50380.0 | 0.413 | 227.0 | -13.4 | 1.16 | 1.426 | 89.2 | 1.005 | ******* | 1.6 | 158.4 | 0.986D | NA | 0.65 | 0.267 | 169.9 | 78.1 | 28.4 | 0.297 |
| | | 8.72 | 6.70 | 15.42 | ONE | 30.210 | 288.8 | -27.5 | 27.1 | | | | | | | | | | |
| 45750.0 | 50380.0 | 0.427 | 219.9 | -12.6 | 0.83 | 1.424 | 84.1 | 1.005 | ******* | 11.7 | 158.5 | 0.978D | NA | 1.02 | 0.267 | 170.0 | 78.1 | 28.4 | 0.298 |
| | | 9.04 | 6.71 | 15.75 | ONE | 30.210 | 288.8 | -27.5 | 27.1 | | | | | | | | | | |
| 45760.0 | 50380.0 | 0.466 | 214.3 | -11.6 | 0.67 | 1.423 | 78.9 | 1.005 | ******* | 22.1 | 158.7 | 0.954D | NA | 1.23 | 0.267 | 170.1 | 78.0 | 28.5 | 0.298 |
| | | 9.93 | 6.71 | 16.64 | ONE | 30.210 | 288.8 | -27.5 | 27.2 | | | | | | | | | | |
| 45770.0 | 50380.0 | 0.524 | 211.0 | -11.0 | 0.57 | 1.421 | 73.7 | 1.004 | ******* | 32.6 | 159.2 | 0.915D | NA | 1.37 | 0.267 | 170.3 | 77.8 | 28.5 | 0.298 |
| | | 11.32 | 6.71 | 18.03 | ONE | 30.210 | 288.8 | -27.5 | 27.4 | | | | | | | | | | |
| 45780.0 | 50380.0 | 0.597 | 209.8 | -11.0 | 0.51 | 1.419 | 68.3 | 1.004 | ******* | 43.2 | 159.9 | 0.861D | NA | 1.48 | 0.266 | 170.6 | 77.5 | 28.4 | 0.298 |
| | | 13.12 | 6.72 | 19.84 | ONE | 30.210 | 288.8 | -27.5 | 27.6 | | | | | | | | | | |
| ARRIVAL DATE = 2450580.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 50580.0 | 0.633 | 239.0 | -22.2 | -0.87 | 1.424 | 113.5 | 0.995 | 158.350 | 312.9 | 521.8 | 0.827 | 315.873A | 2.49 | 0.245 | 170.0 | 76.3 | 28.5 | 0.280 |
| | | 14.05 | 6.44 | 20.49 | TWO | 29.754 | 290.2 | -27.3 | 29.9 | | | | | | | | | | |
| 45700.0 | 50580.0 | 0.565 | 240.2 | -23.8 | -1.31 | 1.424 | 108.7 | 0.995 | 178.970 | 322.4 | 521.1 | 0.882 | 357.057A | 2.97 | 0.247 | 169.7 | 76.7 | 28.6 | 0.280 |
| | | 12.32 | 6.44 | 18.77 | TWO | 29.754 | 290.2 | -27.3 | 29.5 | | | | | | | | | | |
| 45710.0 | 50580.0 | 0.506 | 238.8 | -28.3 | -2.84 | 1.424 | 103.9 | 0.995 | 200.690 | 332.0 | 520.6 | 0.926 | 400.455A | 4.53 | 0.248 | 169.5 | 77.0 | 28.9 | 0.281 |
| | | 10.89 | 6.45 | 17.34 | TWO | 29.754 | 290.2 | -27.3 | 29.2 | | | | | | | | | | |
| 45720.0 | 50580.0 | 0.540 | 248.1 | 18.1 | 14.14 | 1.424 | 99.0 | 0.996 | 221.621 | 341.9 | 520.1 | 0.960 | 442.283A | -12.41 | 0.249 | 169.4 | 77.4 | 26.2 | 0.282 |
| | | 11.70 | 6.46 | 18.16 | ONE | 29.754 | 290.2 | -27.3 | 29.2 | | | | | | | | | | |
| 45730.0 | 50580.0 | 0.422 | 234.1 | -12.2 | 2.05 | 1.423 | 94.1 | 0.996 | 239.059 | 351.7 | 519.9 | 0.980 | 477.138A | -0.28 | 0.249 | 169.3 | 77.5 | 28.2 | 0.281 |
| | | 8.92 | 6.46 | 15.37 | ONE | 29.754 | 290.2 | -27.3 | 28.8 | | | | | | | | | | |
| 45740.0 | 50580.0 | 0.410 | 226.6 | -13.4 | 1.12 | 1.422 | 89.1 | 0.996 | 250.084 | 1.8 | 159.8 | 0.986D | 499.182A | 0.68 | 0.250 | 169.3 | 77.6 | 28.3 | 0.282 |
| | | 8.65 | 6.46 | 15.11 | ONE | 29.754 | 290.2 | -27.3 | 28.7 | | | | | | | | | | |
| 45750.0 | 50580.0 | 0.424 | 219.5 | -12.7 | 0.79 | 1.421 | 84.0 | 0.996 | 252.711 | 11.9 | 159.9 | 0.978D | 504.444A | 1.05 | 0.250 | 169.3 | 77.6 | 28.4 | 0.282 |
| | | 8.98 | 6.46 | 15.44 | ONE | 29.754 | 290.2 | -27.3 | 28.8 | | | | | | | | | | |
| 45760.0 | 50580.0 | 0.463 | 214.0 | -11.6 | 0.63 | 1.419 | 78.9 | 0.996 | 246.797 | 22.3 | 160.1 | 0.954D | 492.641A | 1.26 | 0.250 | 169.4 | 77.4 | 28.4 | 0.282 |
| | | 9.87 | 6.47 | 16.33 | ONE | 29.754 | 290.2 | -27.3 | 28.9 | | | | | | | | | | |
| 45770.0 | 50580.0 | 0.522 | 210.8 | -11.0 | 0.53 | 1.417 | 73.7 | 0.996 | 234.089 | 32.7 | 160.6 | 0.915D | 467.263A | 1.40 | 0.249 | 169.6 | 77.2 | 28.4 | 0.282 |
| | | 11.25 | 6.47 | 17.73 | ONE | 29.754 | 290.2 | -27.3 | 29.1 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45780.0 | 50580.0 | 0.594 | 209.7 | -11.0 | 0.48 | 1.415 | 68.4 | 0.996 | 217.333 | 43.3 | 161.2 | 0.861D | 433.806A | 1.50 | 0.249 | 169.9 | 76.9 | 28.4 | 0.282 |
| | | 13.05 | 6.48 | 19.52 | ONE | 29.754 | 290.2 | -27.3 | 29.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450780.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 50780.0 | 0.630 | 239.1 | -22.0 | -0.77 | 1.421 | 113.4 | 0.988 | 71.681 | 312.9 | 523.0 | 0.828 | 142.535A | 2.40 | 0.229 | 169.3 | 75.6 | 28.4 | 0.266 |
| | | 13.97 | 6.23 | 20.20 | TWO | 30.714 | 291.5 | -27.1 | 31.6 | | | | | | | | | | |
| 45700.0 | 50780.0 | 0.562 | 240.3 | -23.4 | -1.13 | 1.422 | 108.7 | 0.988 | 75.257 | 322.5 | 522.4 | 0.882 | 149.632A | 2.80 | 0.230 | 169.0 | 76.1 | 28.5 | 0.266 |
| | | 12.24 | 6.24 | 18.47 | TWO | 30.714 | 291.5 | -27.1 | 31.2 | | | | | | | | | | |
| 45710.0 | 50780.0 | 0.502 | 239.1 | -26.8 | -2.28 | 1.422 | 103.9 | 0.988 | 78.504 | 332.1 | 521.8 | 0.927 | 156.081A | 3.98 | 0.232 | 168.8 | 76.4 | 28.8 | 0.267 |
| | | 10.77 | 6.24 | 17.02 | TWO | 30.714 | 291.5 | -27.1 | 30.9 | | | | | | | | | | |
| 45730.0 | 50780.0 | 0.419 | 234.0 | -12.1 | 2.08 | 1.421 | 94.1 | 0.988 | 83.212 | 351.8 | 521.2 | 0.980 | 165.444A | -0.31 | 0.233 | 168.5 | 76.9 | 28.1 | 0.267 |
| | | 8.85 | 6.25 | 15.10 | ONE | 30.714 | 291.5 | -27.1 | 30.5 | | | | | | | | | | |
| 45740.0 | 50780.0 | 0.407 | 226.4 | -13.5 | 1.08 | 1.420 | 89.1 | 0.988 | 84.344 | 1.9 | 161.1 | 0.986D | 167.701A | 0.72 | 0.234 | 168.5 | 77.0 | 28.3 | 0.267 |
| | | 8.59 | 6.25 | 14.84 | ONE | 30.714 | 291.5 | -27.1 | 30.5 | | | | | | | | | | |
| 45750.0 | 50780.0 | 0.422 | 219.3 | -12.7 | 0.75 | 1.418 | 84.0 | 0.988 | 84.550 | 12.1 | 161.2 | 0.978D | 168.122A | 1.09 | 0.234 | 168.6 | 76.9 | 28.4 | 0.267 |
| | | 8.92 | 6.25 | 15.17 | ONE | 30.714 | 291.5 | -27.1 | 30.5 | | | | | | | | | | |
| 45760.0 | 50780.0 | 0.461 | 213.8 | -11.7 | 0.59 | 1.417 | 78.9 | 0.989 | 83.858 | 22.4 | 161.4 | 0.954D | 166.761A | 1.29 | 0.233 | 168.7 | 76.8 | 28.4 | 0.268 |
| | | 9.81 | 6.26 | 16.06 | ONE | 30.714 | 291.5 | -27.1 | 30.6 | | | | | | | | | | |
| 45770.0 | 50780.0 | 0.519 | 210.7 | -11.1 | 0.50 | 1.415 | 73.7 | 0.989 | 82.378 | 32.8 | 161.8 | 0.915D | 163.842A | 1.42 | 0.233 | 168.9 | 76.6 | 28.4 | 0.268 |
| | | 11.19 | 6.26 | 17.45 | ONE | 30.714 | 291.5 | -27.1 | 30.8 | | | | | | | | | | |
| 45780.0 | 50780.0 | 0.591 | 209.6 | -11.0 | 0.44 | 1.413 | 68.4 | 0.989 | 80.286 | 43.4 | 162.4 | 0.861D | 159.710A | 1.52 | 0.232 | 169.2 | 76.2 | 28.3 | 0.268 |
| | | 12.97 | 6.26 | 19.23 | ONE | 30.714 | 291.5 | -27.1 | 31.1 | | | | | | | | | | |
| ARRIVAL DATE = 2450980.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 50980.0 | 0.628 | 239.2 | -21.9 | -0.67 | 1.419 | 113.4 | 0.983 | 48.632 | 312.9 | 524.1 | 0.828 | 96.436A | 2.31 | 0.214 | 168.5 | 74.9 | 28.4 | 0.253 |
| | | 13.91 | 6.05 | 19.96 | TWO | 29.307 | 292.8 | -26.9 | 33.4 | | | | | | | | | | |
| 45700.0 | 50980.0 | 0.559 | 240.4 | -23.1 | -0.97 | 1.419 | 108.6 | 0.982 | 50.111 | 322.4 | 523.5 | 0.882 | 99.341A | 2.64 | 0.216 | 168.2 | 75.4 | 28.5 | 0.253 |
| | | 12.17 | 6.05 | 18.23 | TWO | 29.307 | 292.8 | -26.9 | 33.0 | | | | | | | | | | |
| 45710.0 | 50980.0 | 0.498 | 239.3 | -25.7 | -1.85 | 1.419 | 103.8 | 0.982 | 51.406 | 332.1 | 523.0 | 0.927 | 101.885A | 3.55 | 0.217 | 168.0 | 75.7 | 28.7 | 0.254 |
| | | 10.70 | 6.06 | 16.75 | TWO | 29.307 | 292.8 | -26.9 | 32.7 | | | | | | | | | | |
| 45730.0 | 50980.0 | 0.416 | 234.0 | -11.9 | 2.12 | 1.418 | 94.0 | 0.982 | 53.196 | 351.8 | 522.4 | 0.980 | 105.411A | -0.35 | 0.218 | 167.8 | 76.3 | 28.0 | 0.254 |
| | | 8.80 | 6.06 | 14.86 | ONE | 29.307 | 292.8 | -26.9 | 32.3 | | | | | | | | | | |
| 45740.0 | 50980.0 | 0.404 | 226.3 | -13.6 | 1.04 | 1.417 | 89.1 | 0.982 | 53.602 | 1.9 | 162.3 | 0.986D | 106.218A | 0.76 | 0.219 | 167.7 | 76.3 | 28.2 | 0.254 |
| | | 8.53 | 6.06 | 14.60 | ONE | 29.307 | 292.8 | -26.9 | 32.2 | | | | | | | | | | |
| 45750.0 | 50980.0 | 0.419 | 219.2 | -12.8 | 0.70 | 1.416 | 84.0 | 0.982 | 53.659 | 12.1 | 162.4 | 0.978D | 106.340A | 1.13 | 0.219 | 167.8 | 76.3 | 28.3 | 0.254 |
| | | 8.86 | 6.07 | 14.93 | ONE | 29.307 | 292.8 | -26.9 | 32.3 | | | | | | | | | | |
| 45760.0 | 50980.0 | 0.458 | 213.8 | -11.8 | 0.55 | 1.414 | 78.9 | 0.982 | 53.377 | 22.4 | 162.6 | 0.954D | 105.801A | 1.32 | 0.218 | 167.9 | 76.1 | 28.3 | 0.255 |
| | | 9.75 | 6.07 | 15.82 | ONE | 29.307 | 292.8 | -26.9 | 32.4 | | | | | | | | | | |
| 45770.0 | 50980.0 | 0.516 | 210.6 | -11.2 | 0.46 | 1.412 | 73.8 | 0.983 | 52.794 | 32.8 | 163.0 | 0.915D | 104.673A | 1.44 | 0.218 | 168.2 | 75.9 | 28.3 | 0.255 |
| | | 11.12 | 6.07 | 17.19 | ONE | 29.307 | 292.8 | -26.9 | 32.6 | | | | | | | | | | |
| 45780.0 | 50980.0 | 0.587 | 209.6 | -11.1 | 0.40 | 1.410 | 68.5 | 0.983 | 51.963 | 43.3 | 163.6 | 0.862D | 103.065A | 1.54 | 0.217 | 168.5 | 75.6 | 28.3 | 0.255 |
| | | 12.88 | 6.08 | 18.96 | ONE | 29.307 | 292.8 | -26.9 | 32.9 | | | | | | | | | | |
| ARRIVAL DATE = 2451180.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 51180.0 | 0.626 | 239.4 | -21.7 | -0.58 | 1.417 | 113.4 | 0.978 | 38.013 | 312.7 | 525.2 | 0.827 | 75.199A | 2.24 | 0.200 | 167.8 | 74.2 | 28.3 | 0.242 |
| | | 13.87 | 5.89 | 19.76 | TWO | 31.033 | 294.1 | -26.6 | 35.3 | | | | | | | | | | |
| 45700.0 | 51180.0 | 0.557 | 240.7 | -22.7 | -0.82 | 1.417 | 108.6 | 0.977 | 38.838 | 322.3 | 524.6 | 0.882 | 76.795A | 2.51 | 0.202 | 167.4 | 74.7 | 28.4 | 0.242 |
| | | 12.13 | 5.89 | 18.02 | TWO | 31.033 | 294.1 | -26.6 | 34.9 | | | | | | | | | | |
| 45710.0 | 51180.0 | 0.496 | 239.7 | -24.8 | -1.49 | 1.417 | 103.8 | 0.977 | 39.548 | 332.0 | 524.1 | 0.927 | 78.169A | 3.21 | 0.203 | 167.2 | 75.0 | 28.6 | 0.242 |
| | | 10.64 | 5.90 | 16.54 | TWO | 31.033 | 294.1 | -26.6 | 34.5 | | | | | | | | | | |
| 45720.0 | 51180.0 | 0.486 | 230.8 | -47.5 | -9.35 | 1.417 | 99.0 | 0.976 | 40.112 | 341.8 | 523.7 | 0.960 | 79.264A | 11.09 | 0.204 | 167.0 | 74.9 | 30.1 | 0.243 |
| | | 10.39 | 5.91 | 16.30 | TWO | 31.033 | 294.1 | -26.6 | 34.5 | | | | | | | | | | |
| 45730.0 | 51180.0 | 0.414 | 234.2 | -11.7 | 2.17 | 1.416 | 94.1 | 0.976 | 40.507 | 351.8 | 523.5 | 0.980 | 80.033A | -0.40 | 0.204 | 166.9 | 75.6 | 28.0 | 0.242 |
| | | 8.76 | 5.90 | 14.65 | ONE | 31.033 | 294.1 | -26.6 | 34.1 | | | | | | | | | | |
| 45740.0 | 51180.0 | 0.402 | 226.4 | -13.8 | 0.99 | 1.415 | 89.1 | 0.976 | 40.717 | 1.8 | 163.4 | 0.986D | 80.448A | 0.81 | 0.205 | 166.9 | 75.6 | 28.2 | 0.242 |
| | | 8.49 | 5.90 | 14.39 | ONE | 31.033 | 294.1 | -26.6 | 34.1 | | | | | | | | | | |
| 45750.0 | 51180.0 | 0.417 | 219.3 | -13.0 | 0.66 | 1.414 | 84.1 | 0.976 | 40.739 | 12.0 | 163.5 | 0.978D | 80.499A | 1.17 | 0.205 | 167.0 | 75.6 | 28.3 | 0.243 |
| | | 8.81 | 5.90 | 14.72 | ONE | 31.033 | 294.1 | -26.6 | 34.1 | | | | | | | | | | |
| 45760.0 | 51180.0 | 0.456 | 213.8 | -12.0 | 0.50 | 1.412 | 79.0 | 0.976 | 40.578 | 22.3 | 163.7 | 0.954D | 80.202A | 1.35 | 0.204 | 167.1 | 75.4 | 28.3 | 0.243 |
| | | 9.69 | 5.91 | 15.59 | ONE | 31.033 | 294.1 | -26.6 | 34.2 | | | | | | | | | | |
| 45770.0 | 51180.0 | 0.513 | 210.7 | -11.3 | 0.42 | 1.410 | 73.8 | 0.977 | 40.253 | 32.7 | 164.1 | 0.916D | 79.590A | 1.47 | 0.204 | 167.3 | 75.2 | 28.3 | 0.243 |
| | | 11.05 | 5.91 | 16.96 | ONE | 31.033 | 294.1 | -26.6 | 34.4 | | | | | | | | | | |
| 45780.0 | 51180.0 | 0.584 | 209.7 | -11.3 | 0.37 | 1.408 | 68.7 | 0.978 | 39.790 | 43.2 | 164.6 | 0.863D | 78.716A | 1.55 | 0.203 | 167.7 | 74.8 | 28.2 | 0.243 |
| | | 12.79 | 5.92 | 18.71 | ONE | 31.033 | 294.1 | -26.6 | 34.7 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2451380.0 | | | | | | | | | | |
| 45690.0 | 51380.0 | 0.626 | 239.6 | -21.6 | -0.50 | 1.415 | 113.4 | 0.974 | 31.938 | 312.5 | 526.2 | 0.826 | 63.050A | 2.17 | 0.187 | 166.9 | 73.4 | 28.2 | 0.231 |
| | | 13.86 | 5.75 | 19.61 | TWO | 29.098 | 295.4 | -26.4 | 37.2 | | | | | | | | | | |
| 45700.0 | 51380.0 | 0.556 | 240.9 | -22.5 | -0.69 | 1.415 | 108.7 | 0.973 | 32.474 | 322.1 | 525.6 | 0.881 | 64.067A | 2.39 | 0.189 | 166.6 | 73.9 | 28.3 | 0.231 |
| | | 12.11 | 5.75 | 17.86 | TWO | 29.098 | 295.4 | -26.4 | 36.8 | | | | | | | | | | |
| 45710.0 | 51380.0 | 0.495 | 240.1 | -24.0 | -1.20 | 1.415 | 103.9 | 0.972 | 32.930 | 331.9 | 525.1 | 0.926 | 64.935A | 2.92 | 0.190 | 166.3 | 74.2 | 28.5 | 0.231 |
| | | 10.61 | 5.75 | 16.36 | TWO | 29.098 | 295.4 | -26.4 | 36.4 | | | | | | | | | | |
| 45720.0 | 51380.0 | 0.456 | 234.2 | -35.7 | -5.11 | 1.415 | 99.0 | 0.971 | 33.290 | 341.7 | 524.8 | 0.959 | 65.620A | 6.86 | 0.191 | 166.1 | 74.4 | 29.3 | 0.232 |
| | | 9.70 | 5.76 | 15.46 | TWO | 29.098 | 295.4 | -26.4 | 36.2 | | | | | | | | | | |
| 45730.0 | 51380.0 | 0.413 | 234.4 | -11.5 | 2.24 | 1.414 | 94.1 | 0.971 | 33.539 | 351.7 | 524.6 | 0.980 | 66.098A | -0.47 | 0.191 | 166.0 | 74.8 | 27.9 | 0.231 |
| | | 8.73 | 5.76 | 14.48 | ONE | 29.098 | 295.4 | -26.4 | 36.0 | | | | | | | | | | |
| 45740.0 | 51380.0 | 0.400 | 226.5 | -14.0 | 0.93 | 1.413 | 89.1 | 0.971 | 33.669 | 1.7 | 164.5 | 0.986D | 66.352A | 0.86 | 0.192 | 166.0 | 74.9 | 28.1 | 0.231 |
| | | 8.44 | 5.76 | 14.20 | ONE | 29.098 | 295.4 | -26.4 | 35.9 | | | | | | | | | | |
| 45750.0 | 51380.0 | 0.415 | 219.4 | -13.2 | 0.60 | 1.412 | 84.1 | 0.971 | 33.679 | 11.9 | 164.6 | 0.978D | 66.379A | 1.22 | 0.192 | 166.1 | 74.8 | 28.2 | 0.232 |
| | | 8.76 | 5.76 | 14.52 | ONE | 29.098 | 295.4 | -26.4 | 35.9 | | | | | | | | | | |
| 45760.0 | 51380.0 | 0.453 | 214.0 | -12.1 | 0.46 | 1.410 | 79.1 | 0.972 | 33.671 | 22.2 | 164.8 | 0.955D | 66.188A | 1.39 | 0.191 | 166.2 | 74.7 | 28.2 | 0.232 |
| | | 9.63 | 5.76 | 15.39 | ONE | 29.098 | 295.4 | -26.4 | 36.1 | | | | | | | | | | |
| 45770.0 | 51380.0 | 0.510 | 210.8 | -11.5 | 0.38 | 1.408 | 74.0 | 0.973 | 33.358 | 32.5 | 165.1 | 0.917D | 65.800A | 1.50 | 0.191 | 166.5 | 74.4 | 28.2 | 0.232 |
| | | 10.97 | 5.77 | 16.74 | ONE | 29.098 | 295.4 | -26.4 | 36.3 | | | | | | | | | | |
| 45780.0 | 51380.0 | 0.580 | 209.8 | -11.4 | 0.33 | 1.406 | 68.8 | 0.974 | 33.054 | 43.0 | 165.6 | 0.864D | 65.244A | 1.57 | 0.190 | 166.8 | 74.1 | 28.2 | 0.233 |
| | | 12.70 | 5.77 | 18.47 | ONE | 29.098 | 295.4 | -26.4 | 36.6 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2451580.0 | | | | | | | | | | |
| 45690.0 | 51580.0 | 0.626 | 239.9 | -21.5 | -0.42 | 1.413 | 113.5 | 0.971 | 28.026 | 312.2 | 527.1 | 0.825 | 55.228A | 2.10 | 0.175 | 166.0 | 72.5 | 28.1 | 0.221 |
| | | 13.86 | 5.63 | 19.49 | TWO | 31.069 | 296.7 | -26.2 | 39.2 | | | | | | | | | | |
| 45700.0 | 51580.0 | 0.556 | 241.3 | -22.2 | -0.57 | 1.414 | 108.7 | 0.969 | 28.408 | 321.9 | 526.5 | 0.880 | 55.937A | 2.28 | 0.177 | 165.7 | 73.0 | 28.2 | 0.221 |
| | | 12.10 | 5.63 | 17.73 | TWO | 31.069 | 296.7 | -26.2 | 38.7 | | | | | | | | | | |
| 45710.0 | 51580.0 | 0.494 | 240.5 | -23.4 | -0.96 | 1.414 | 103.9 | 0.968 | 28.732 | 331.6 | 526.1 | 0.925 | 56.538A | 2.69 | 0.178 | 165.4 | 73.4 | 28.3 | 0.221 |
| | | 10.59 | 5.63 | 16.22 | TWO | 31.069 | 296.7 | -26.2 | 38.3 | | | | | | | | | | |
| 45720.0 | 51580.0 | 0.448 | 235.9 | -30.1 | -3.21 | 1.414 | 99.1 | 0.967 | 28.985 | 341.5 | 525.8 | 0.959 | 57.011A | 4.96 | 0.179 | 165.2 | 73.6 | 28.8 | 0.222 |
| | | 9.51 | 5.63 | 15.14 | TWO | 31.069 | 296.7 | -26.2 | 38.1 | | | | | | | | | | |
| 45730.0 | 51580.0 | 0.412 | 234.8 | -11.3 | 2.34 | 1.413 | 94.2 | 0.966 | 29.159 | 351.5 | 525.6 | 0.980 | 57.339A | -0.57 | 0.179 | 165.1 | 74.0 | 27.7 | 0.221 |
| | | 8.71 | 5.63 | 14.34 | ONE | 31.069 | 296.7 | -26.2 | 37.9 | | | | | | | | | | |
| 45740.0 | 51580.0 | 0.399 | 226.8 | -14.3 | 0.87 | 1.412 | 89.2 | 0.966 | 29.249 | 1.5 | 165.5 | 0.986D | 57.512A | 0.92 | 0.180 | 165.1 | 74.1 | 28.1 | 0.222 |
| | | 8.41 | 5.63 | 14.04 | ONE | 31.069 | 296.7 | -26.2 | 37.8 | | | | | | | | | | |
| 45750.0 | 51580.0 | 0.413 | 219.6 | -13.5 | 0.54 | 1.410 | 84.2 | 0.967 | 29.254 | 11.7 | 165.6 | 0.978D | 57.529A | 1.27 | 0.180 | 165.1 | 74.0 | 28.1 | 0.222 |
| | | 8.71 | 5.63 | 14.35 | ONE | 31.069 | 296.7 | -26.2 | 37.8 | | | | | | | | | | |
| 45760.0 | 51580.0 | 0.450 | 214.2 | -12.4 | 0.41 | 1.409 | 79.2 | 0.967 | 29.176 | 22.0 | 165.8 | 0.955D | 57.396A | 1.43 | 0.179 | 165.3 | 73.9 | 28.1 | 0.222 |
| | | 9.57 | 5.64 | 15.20 | ONE | 31.069 | 296.7 | -26.2 | 38.0 | | | | | | | | | | |
| 45770.0 | 51580.0 | 0.507 | 211.0 | -11.7 | 0.33 | 1.407 | 74.1 | 0.968 | 29.022 | 32.3 | 166.1 | 0.918D | 57.126A | 1.53 | 0.179 | 165.5 | 73.6 | 28.1 | 0.222 |
| | | 10.89 | 5.64 | 16.53 | ONE | 31.069 | 296.7 | -26.2 | 38.2 | | | | | | | | | | |
| 45780.0 | 51580.0 | 0.576 | 210.1 | -11.6 | 0.29 | 1.405 | 69.0 | 0.970 | 28.803 | 42.7 | 166.5 | 0.866D | 56.739A | 1.60 | 0.178 | 165.9 | 73.2 | 28.1 | 0.223 |
| | | 12.61 | 5.65 | 18.25 | ONE | 31.069 | 296.7 | -26.2 | 38.5 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2451780.0 | | | | | | | | | | |
| 45690.0 | 51780.0 | 0.627 | 240.3 | -21.4 | -0.35 | 1.412 | 113.6 | 0.967 | 25.313 | 311.9 | 528.0 | 0.823 | 49.803A | 2.04 | 0.164 | 165.1 | 71.6 | 28.0 | 0.213 |
| | | 13.88 | 5.52 | 19.40 | TWO | 29.187 | 298.0 | -25.9 | 41.1 | | | | | | | | | | |
| 45700.0 | 51780.0 | 0.557 | 241.6 | -22.0 | -0.47 | 1.412 | 108.9 | 0.966 | 25.603 | 321.6 | 527.5 | 0.879 | 50.327A | 2.18 | 0.166 | 164.7 | 72.2 | 28.1 | 0.213 |
| | | 12.11 | 5.52 | 17.63 | TWO | 29.187 | 298.0 | -25.9 | 40.7 | | | | | | | | | | |
| 45710.0 | 51780.0 | 0.494 | 241.0 | -22.9 | -0.75 | 1.412 | 104.0 | 0.964 | 25.848 | 331.4 | 527.0 | 0.924 | 50.771A | 2.49 | 0.167 | 164.4 | 72.6 | 28.2 | 0.212 |
| | | 10.59 | 5.52 | 16.11 | TWO | 29.187 | 298.0 | -25.9 | 40.3 | | | | | | | | | | |
| 45720.0 | 51780.0 | 0.445 | 237.1 | -26.9 | -2.13 | 1.412 | 99.2 | 0.963 | 26.038 | 341.3 | 526.7 | 0.958 | 51.118A | 3.88 | 0.167 | 164.2 | 72.8 | 28.5 | 0.213 |
| | | 9.44 | 5.52 | 14.96 | TWO | 29.187 | 298.0 | -25.9 | 40.0 | | | | | | | | | | |
| 45730.0 | 51780.0 | 0.412 | 235.4 | -10.9 | 2.48 | 1.411 | 94.3 | 0.963 | 26.169 | 351.2 | 526.5 | 0.979 | 51.359A | -0.71 | 0.168 | 164.1 | 73.2 | 27.6 | 0.212 |
| | | 8.70 | 5.52 | 14.21 | ONE | 29.187 | 298.0 | -25.9 | 39.8 | | | | | | | | | | |
| 45740.0 | 51780.0 | 0.397 | 227.2 | -14.7 | 0.79 | 1.410 | 89.4 | 0.962 | 26.236 | 1.3 | 166.5 | 0.986D | 51.486A | 0.99 | 0.168 | 164.1 | 73.2 | 28.0 | 0.213 |
| | | 8.38 | 5.52 | 13.90 | ONE | 29.187 | 298.0 | -25.9 | 39.8 | | | | | | | | | | |
| 45750.0 | 51780.0 | 0.411 | 220.0 | -13.8 | 0.48 | 1.409 | 84.4 | 0.963 | 26.238 | 11.5 | 166.5 | 0.979D | 51.498A | 1.32 | 0.168 | 164.1 | 73.2 | 28.0 | 0.213 |
| | | 8.67 | 5.52 | 14.19 | ONE | 29.187 | 298.0 | -25.9 | 39.8 | | | | | | | | | | |
| 45760.0 | 51780.0 | 0.448 | 214.5 | -12.6 | 0.35 | 1.407 | 79.4 | 0.963 | 26.178 | 21.7 | 166.7 | 0.956D | 51.460A | 1.47 | 0.168 | 164.3 | 73.0 | 28.1 | 0.213 |
| | | 9.50 | 5.53 | 15.03 | ONE | 29.187 | 298.0 | -25.9 | 39.9 | | | | | | | | | | |
| 45770.0 | 51780.0 | 0.503 | 211.3 | -11.9 | 0.29 | 1.405 | 74.3 | 0.965 | 26.060 | 32.0 | 167.0 | 0.919D | 51.201A | 1.56 | 0.168 | 164.5 | 72.8 | 28.0 | 0.213 |
| | | 10.81 | 5.53 | 16.34 | ONE | 29.187 | 298.0 | -25.9 | 40.1 | | | | | | | | | | |
| 45780.0 | 51780.0 | 0.572 | 210.3 | -11.7 | 0.25 | 1.403 | 69.2 | 0.966 | 25.892 | 42.4 | 167.4 | 0.868D | 50.916A | 1.62 | 0.167 | 164.9 | 72.4 | 28.0 | 0.214 |
| | | 12.51 | 5.54 | 18.04 | ONE | 29.187 | 298.0 | -25.9 | 40.5 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ARRIVAL DATE = 2451980.0 | | | | | | | | | | | |
| 45690.0 | 51980.0 | 0.628 | 240.6 | -21.3 | -0.28 | 1.411 | 113.8 | 0.965 | 23.333 | 311.6 | 528.8 | 0.821 | 45.845A | 1.98 | 0.154 | 164.1 | 70.7 | 27.8 | 0.205 |
| | | 13.91 | 5.43 | 19.34 | TWO | 30.810 | 299.3 | -25.6 | 43.2 | | | | | | | | | | |
| 45700.0 | 51980.0 | 0.558 | 242.0 | -21.9 | -0.37 | 1.411 | 109.0 | 0.963 | 23.563 | 321.3 | 528.3 | 0.877 | 46.249A | 2.09 | 0.155 | 163.7 | 71.2 | 28.0 | 0.204 |
| | | 12.14 | 5.42 | 17.56 | TWO | 30.810 | 299.3 | -25.6 | 42.7 | | | | | | | | | | |
| 45710.0 | 51980.0 | 0.495 | 241.5 | -22.5 | -0.57 | 1.411 | 104.2 | 0.961 | 23.757 | 331.1 | 527.9 | 0.923 | 46.590A | 2.32 | 0.156 | 163.4 | 71.7 | 28.1 | 0.204 |
| | | 10.60 | 5.42 | 16.03 | TWO | 30.810 | 299.3 | -25.6 | 42.3 | | | | | | | | | | |
| 45720.0 | 51980.0 | 0.444 | 238.0 | -24.8 | -1.43 | 1.411 | 99.3 | 0.960 | 23.907 | 341.0 | 527.6 | 0.958 | 46.857A | 3.19 | 0.157 | 163.1 | 71.9 | 28.3 | 0.204 |
| | | 9.42 | 5.42 | 14.84 | TWO | 30.810 | 299.3 | -25.6 | 42.0 | | | | | | | | | | |
| 45730.0 | 51980.0 | 0.412 | 236.1 | -10.2 | 2.73 | 1.410 | 94.4 | 0.959 | 24.011 | 350.9 | 527.4 | 0.979 | 47.042A | -0.95 | 0.158 | 163.0 | 72.3 | 27.4 | 0.204 |
| | | 8.70 | 5.42 | 14.12 | ONE | 30.810 | 299.3 | -25.6 | 41.8 | | | | | | | | | | |
| 45740.0 | 51980.0 | 0.396 | 227.6 | -15.1 | 0.71 | 1.409 | 89.5 | 0.959 | 24.063 | 1.0 | 167.4 | 0.987D | 47.140A | 1.08 | 0.158 | 163.0 | 72.3 | 27.9 | 0.204 |
| | | 8.35 | 5.42 | 13.77 | ONE | 30.810 | 299.3 | -25.6 | 41.7 | | | | | | | | | | |
| 45750.0 | 51980.0 | 0.408 | 220.4 | -14.2 | 0.41 | 1.408 | 84.5 | 0.959 | 24.065 | 11.2 | 167.4 | 0.979D | 47.150A | 1.39 | 0.158 | 163.0 | 72.3 | 28.0 | 0.204 |
| | | 8.62 | 5.42 | 14.05 | ONE | 30.810 | 299.3 | -25.6 | 41.8 | | | | | | | | | | |
| 45760.0 | 51980.0 | 0.445 | 214.9 | -12.9 | 0.30 | 1.406 | 79.5 | 0.960 | 24.016 | 21.4 | 167.6 | 0.957D | 47.075A | 1.52 | 0.158 | 163.2 | 72.1 | 28.0 | 0.205 |
| | | 9.44 | 5.43 | 14.87 | ONE | 30.810 | 299.3 | -25.6 | 41.9 | | | | | | | | | | |
| 45770.0 | 51980.0 | 0.500 | 211.7 | -12.1 | 0.24 | 1.404 | 74.5 | 0.962 | 23.922 | 31.7 | 167.9 | 0.921D | 46.923A | 1.59 | 0.157 | 163.5 | 71.9 | 27.9 | 0.205 |
| | | 10.73 | 5.43 | 16.16 | ONE | 30.810 | 299.3 | -25.6 | 42.1 | | | | | | | | | | |
| 45780.0 | 51980.0 | 0.568 | 210.6 | -12.0 | 0.21 | 1.402 | 69.4 | 0.963 | 23.788 | 42.0 | 168.2 | 0.870D | 46.705A | 1.64 | 0.156 | 163.9 | 71.5 | 27.9 | 0.206 |
| | | 12.40 | 5.44 | 17.84 | ONE | 30.810 | 299.3 | -25.6 | 42.5 | | | | | | | | | | |
| 45790.0 | 51980.0 | 0.646 | 211.3 | -12.3 | 0.19 | 1.400 | 64.3 | 0.966 | 23.620 | 52.4 | 168.7 | 0.807D | 46.433A | 1.68 | 0.155 | 164.4 | 71.0 | 27.8 | 0.206 |
| | | 14.37 | 5.45 | 19.82 | ONE | 30.810 | 299.3 | -25.6 | 42.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2452180.0 | | | | | | | | | | | |
| 45690.0 | 52180.0 | 0.630 | 241.0 | -21.2 | -0.21 | 1.410 | 113.9 | 0.963 | 21.833 | 311.1 | 529.6 | 0.819 | 42.848A | 1.93 | 0.144 | 163.0 | 69.7 | 27.7 | 0.197 |
| | | 13.96 | 5.34 | 19.30 | TWO | 29.549 | 300.6 | -25.3 | 45.2 | | | | | | | | | | |
| 45700.0 | 52180.0 | 0.559 | 242.5 | -21.7 | -0.27 | 1.410 | 109.1 | 0.960 | 22.022 | 320.9 | 529.1 | 0.875 | 43.169A | 2.01 | 0.145 | 162.5 | 70.3 | 27.8 | 0.197 |
| | | 12.17 | 5.34 | 17.51 | TWO | 29.549 | 300.6 | -25.3 | 44.7 | | | | | | | | | | |
| 45710.0 | 52180.0 | 0.496 | 242.0 | -22.1 | -0.42 | 1.410 | 104.3 | 0.958 | 22.181 | 330.7 | 528.7 | 0.922 | 43.440A | 2.17 | 0.146 | 162.2 | 70.7 | 27.9 | 0.197 |
| | | 10.63 | 5.34 | 15.96 | TWO | 29.549 | 300.6 | -25.3 | 44.3 | | | | | | | | | | |
| 45720.0 | 52180.0 | 0.444 | 238.9 | -23.4 | -0.95 | 1.410 | 99.5 | 0.957 | 22.305 | 340.6 | 528.5 | 0.957 | 43.653A | 2.71 | 0.147 | 162.0 | 71.0 | 28.1 | 0.197 |
| | | 9.41 | 5.34 | 14.75 | TWO | 29.549 | 300.6 | -25.3 | 44.0 | | | | | | | | | | |
| 45730.0 | 52180.0 | 0.413 | 237.0 | -8.7 | 3.22 | 1.409 | 94.6 | 0.956 | 22.389 | 350.6 | 528.3 | 0.979 | 43.800A | -1.45 | 0.148 | 161.9 | 71.4 | 27.2 | 0.197 |
| | | 8.73 | 5.34 | 14.06 | ONE | 29.549 | 300.6 | -25.3 | 43.8 | | | | | | | | | | |
| 45740.0 | 52180.0 | 0.395 | 228.1 | -15.7 | 0.60 | 1.408 | 89.7 | 0.956 | 22.432 | 0.7 | 168.2 | 0.987D | 43.878A | 1.18 | 0.148 | 161.8 | 71.4 | 27.8 | 0.197 |
| | | 8.32 | 5.34 | 13.66 | ONE | 29.549 | 300.6 | -25.3 | 43.7 | | | | | | | | | | |
| 45750.0 | 52180.0 | 0.407 | 220.9 | -14.6 | 0.34 | 1.407 | 84.7 | 0.956 | 22.433 | 10.8 | 168.3 | 0.980D | 43.887A | 1.46 | 0.148 | 161.9 | 71.4 | 27.9 | 0.197 |
| | | 8.58 | 5.34 | 13.92 | ONE | 29.549 | 300.6 | -25.3 | 43.8 | | | | | | | | | | |
| 45760.0 | 52180.0 | 0.442 | 215.3 | -13.3 | 0.24 | 1.405 | 79.7 | 0.957 | 22.394 | 21.0 | 168.4 | 0.959D | 43.829A | 1.57 | 0.148 | 162.0 | 71.2 | 27.9 | 0.197 |
| | | 9.37 | 5.34 | 14.71 | ONE | 29.549 | 300.6 | -25.3 | 43.9 | | | | | | | | | | |
| 45770.0 | 52180.0 | 0.496 | 212.1 | -12.4 | 0.19 | 1.403 | 74.7 | 0.959 | 22.316 | 31.3 | 168.7 | 0.923D | 43.709A | 1.63 | 0.147 | 162.3 | 71.0 | 27.8 | 0.198 |
| | | 10.64 | 5.34 | 15.99 | ONE | 29.549 | 300.6 | -25.3 | 44.1 | | | | | | | | | | |
| 45780.0 | 52180.0 | 0.564 | 211.0 | -12.2 | 0.16 | 1.401 | 69.6 | 0.961 | 22.205 | 41.6 | 169.0 | 0.873D | 43.537A | 1.67 | 0.146 | 162.7 | 70.6 | 27.8 | 0.198 |
| | | 12.30 | 5.35 | 17.65 | ONE | 29.549 | 300.6 | -25.3 | 44.5 | | | | | | | | | | |
| 45790.0 | 52180.0 | 0.641 | 211.6 | -12.5 | 0.15 | 1.399 | 64.5 | 0.963 | 22.066 | 52.0 | 169.5 | 0.811D | 43.321A | 1.70 | 0.145 | 163.2 | 70.1 | 27.7 | 0.199 |
| | | 14.25 | 5.36 | 19.61 | ONE | 29.549 | 300.6 | -25.3 | 44.9 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2452380.0 | | | | | | | | | | | |
| 45690.0 | 52380.0 | 0.632 | 241.4 | -21.2 | -0.15 | 1.409 | 114.1 | 0.961 | 20.666 | 310.7 | 530.3 | 0.816 | 40.516A | 1.88 | 0.135 | 161.8 | 68.7 | 27.6 | 0.191 |
| | | 14.02 | 5.27 | 19.29 | TWO | 30.333 | 301.9 | -25.0 | 47.3 | | | | | | | | | | |
| 45700.0 | 52380.0 | 0.561 | 243.0 | -21.6 | -0.19 | 1.409 | 109.3 | 0.958 | 20.825 | 320.4 | 529.9 | 0.873 | 40.777A | 1.94 | 0.136 | 161.3 | 69.3 | 27.7 | 0.190 |
| | | 12.22 | 5.26 | 17.49 | TWO | 30.333 | 301.9 | -25.0 | 46.8 | | | | | | | | | | |
| 45710.0 | 52380.0 | 0.497 | 242.6 | -21.9 | -0.28 | 1.409 | 104.5 | 0.956 | 20.959 | 330.3 | 529.5 | 0.920 | 40.998A | 2.04 | 0.137 | 161.0 | 69.8 | 27.8 | 0.190 |
| | | 10.66 | 5.26 | 15.92 | TWO | 30.333 | 301.9 | -25.0 | 46.4 | | | | | | | | | | |
| 45720.0 | 52380.0 | 0.444 | 239.8 | -22.4 | -0.59 | 1.409 | 99.7 | 0.955 | 21.063 | 340.2 | 529.3 | 0.956 | 41.171A | 2.35 | 0.138 | 160.8 | 70.1 | 27.9 | 0.190 |
| | | 9.43 | 5.26 | 14.69 | TWO | 30.333 | 301.9 | -25.0 | 46.1 | | | | | | | | | | |
| 45730.0 | 52380.0 | 0.420 | 238.9 | -3.9 | 4.77 | 1.408 | 94.8 | 0.954 | 21.135 | 350.2 | 529.1 | 0.978 | 41.291A | -2.99 | 0.138 | 160.6 | 70.5 | 26.7 | 0.190 |
| | | 8.87 | 5.26 | 14.13 | ONE | 30.333 | 301.9 | -25.0 | 45.9 | | | | | | | | | | |
| 45740.0 | 52380.0 | 0.394 | 228.6 | -16.3 | 0.48 | 1.407 | 89.9 | 0.953 | 21.171 | 0.3 | 169.0 | 0.987D | 41.355A | 1.30 | 0.139 | 160.6 | 70.5 | 27.7 | 0.190 |
| | | 8.30 | 5.26 | 13.56 | ONE | 30.333 | 301.9 | -25.0 | 45.8 | | | | | | | | | | |
| 45750.0 | 52380.0 | 0.405 | 221.4 | -15.1 | 0.25 | 1.406 | 84.9 | 0.954 | 21.172 | 10.4 | 169.0 | 0.981D | 41.364A | 1.53 | 0.139 | 160.6 | 70.4 | 27.8 | 0.190 |
| | | 8.54 | 5.26 | 13.80 | ONE | 30.333 | 301.9 | -25.0 | 45.8 | | | | | | | | | | |
| 45760.0 | 52380.0 | 0.439 | 215.8 | -13.7 | 0.18 | 1.404 | 79.9 | 0.955 | 21.139 | 20.6 | 169.2 | 0.960D | 41.318A | 1.62 | 0.138 | 160.8 | 70.3 | 27.8 | 0.190 |
| | | 9.31 | 5.26 | 14.57 | ONE | 30.333 | 301.9 | -25.0 | 45.9 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45770.0 | 52380.0 | 0.493 | 212.5 | -12.7 | 0.14 | 1.402 | 74.9 | 0.956 | 21.073 | 30.9 | 169.4 | 0.925D | 41.222A | 1.67 | 0.138 | 161.1 | 70.0 | 27.7 | 0.191 |
| | | 10.55 | 5.27 | 15.82 | ONE | 30.333 | 301.9 | -25.0 | 46.2 | | | | | | | | | | |
| 45780.0 | 52380.0 | 0.560 | 211.4 | -12.4 | 0.12 | 1.400 | 69.9 | 0.958 | 20.979 | 41.2 | 169.8 | 0.876D | 41.083A | 1.70 | 0.137 | 161.5 | 69.7 | 27.7 | 0.191 |
| | | 12.19 | 5.27 | 17.46 | ONE | 30.333 | 301.9 | -25.0 | 46.5 | | | | | | | | | | |
| 45790.0 | 52380.0 | 0.636 | 212.0 | -12.7 | 0.11 | 1.398 | 64.8 | 0.961 | 20.862 | 51.5 | 170.2 | 0.814D | 40.909A | 1.72 | 0.136 | 162.0 | 69.2 | 27.6 | 0.192 |
| | | 14.12 | 5.28 | 19.40 | ONE | 30.333 | 301.9 | -25.0 | 46.9 | | | | | | | | | | |
| ARRIVAL DATE = 2452580.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 52580.0 | 0.635 | 241.9 | -21.1 | -0.09 | 1.408 | 114.3 | 0.959 | 19.738 | 310.2 | 531.0 | 0.813 | 38.663A | 1.84 | 0.126 | 160.5 | 67.7 | 27.4 | 0.185 |
| | | 14.10 | 5.20 | 19.30 | TWO | 30.072 | 303.1 | -24.7 | 49.4 | | | | | | | | | | |
| 45700.0 | 52580.0 | 0.563 | 243.5 | -21.5 | -0.11 | 1.408 | 109.5 | 0.956 | 19.875 | 320.0 | 530.6 | 0.871 | 38.879A | 1.87 | 0.127 | 160.1 | 68.3 | 27.5 | 0.184 |
| | | 12.28 | 5.20 | 17.48 | TWO | 30.072 | 303.1 | -24.7 | 48.9 | | | | | | | | | | |
| 45710.0 | 52580.0 | 0.499 | 243.3 | -21.6 | -0.16 | 1.408 | 104.7 | 0.954 | 19.990 | 329.8 | 530.3 | 0.918 | 39.062A | 1.92 | 0.128 | 159.7 | 68.8 | 27.6 | 0.184 |
| | | 10.71 | 5.20 | 15.90 | TWO | 30.072 | 303.1 | -24.7 | 48.5 | | | | | | | | | | |
| 45720.0 | 52580.0 | 0.445 | 240.6 | -21.7 | -0.31 | 1.408 | 99.9 | 0.952 | 20.080 | 339.8 | 530.0 | 0.954 | 39.205A | 2.08 | 0.129 | 159.4 | 69.1 | 27.7 | 0.184 |
| | | 9.45 | 5.19 | 14.65 | TWO | 30.072 | 303.1 | -24.7 | 48.2 | | | | | | | | | | |
| 45740.0 | 52580.0 | 0.393 | 229.3 | -17.0 | 0.32 | 1.406 | 90.1 | 0.951 | 20.173 | 359.8 | 529.8 | 0.987 | 39.360A | 1.46 | 0.130 | 159.2 | 69.5 | 27.6 | 0.184 |
| | | 8.29 | 5.19 | 13.48 | ONE | 30.072 | 303.1 | -24.7 | 47.9 | | | | | | | | | | |
| 45750.0 | 52580.0 | 0.403 | 222.1 | -15.6 | 0.16 | 1.405 | 85.1 | 0.951 | 20.175 | 10.0 | 169.8 | 0.981D | 39.368A | 1.62 | 0.130 | 159.3 | 69.5 | 27.7 | 0.184 |
| | | 8.50 | 5.19 | 13.69 | ONE | 30.072 | 303.1 | -24.7 | 47.9 | | | | | | | | | | |
| 45760.0 | 52580.0 | 0.436 | 216.4 | -14.1 | 0.11 | 1.403 | 80.2 | 0.952 | 20.146 | 20.2 | 169.9 | 0.961D | 39.331A | 1.68 | 0.130 | 159.5 | 69.3 | 27.6 | 0.184 |
| | | 9.24 | 5.20 | 14.44 | ONE | 30.072 | 303.1 | -24.7 | 48.0 | | | | | | | | | | |
| 45770.0 | 52580.0 | 0.489 | 213.0 | -13.0 | 0.09 | 1.401 | 75.2 | 0.954 | 20.090 | 30.4 | 170.1 | 0.927D | 39.254A | 1.71 | 0.129 | 159.8 | 69.1 | 27.6 | 0.184 |
| | | 10.47 | 5.20 | 15.67 | ONE | 30.072 | 303.1 | -24.7 | 48.2 | | | | | | | | | | |
| 45780.0 | 52580.0 | 0.555 | 211.8 | -12.7 | 0.07 | 1.399 | 70.1 | 0.956 | 20.009 | 40.7 | 170.5 | 0.879D | 39.140A | 1.73 | 0.129 | 160.2 | 68.7 | 27.5 | 0.185 |
| | | 12.07 | 5.21 | 17.28 | ONE | 30.072 | 303.1 | -24.7 | 48.6 | | | | | | | | | | |
| 45790.0 | 52580.0 | 0.631 | 212.4 | -12.9 | 0.06 | 1.397 | 65.1 | 0.959 | 19.908 | 51.0 | 170.9 | 0.818D | 38.997A | 1.74 | 0.128 | 160.7 | 68.2 | 27.4 | 0.186 |
| | | 13.98 | 5.22 | 19.20 | ONE | 30.072 | 303.1 | -24.7 | 49.0 | | | | | | | | | | |
| ARRIVAL DATE = 2452780.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 52780.0 | 0.638 | 242.4 | -21.1 | -0.03 | 1.407 | 114.6 | 0.957 | 18.987 | 309.7 | 531.7 | 0.810 | 37.165A | 1.79 | 0.118 | 159.2 | 66.7 | 27.2 | 0.179 |
| | | 14.18 | 5.15 | 19.33 | TWO | 29.779 | 304.4 | -24.4 | 51.6 | | | | | | | | | | |
| 45700.0 | 52780.0 | 0.566 | 244.1 | -21.4 | -0.04 | 1.408 | 109.8 | 0.955 | 19.107 | 319.5 | 531.3 | 0.868 | 37.347A | 1.80 | 0.119 | 158.7 | 67.3 | 27.3 | 0.179 |
| | | 12.35 | 5.14 | 17.49 | TWO | 29.779 | 304.4 | -24.4 | 51.0 | | | | | | | | | | |
| 45710.0 | 52780.0 | 0.501 | 243.9 | -21.4 | -0.05 | 1.408 | 104.9 | 0.952 | 19.208 | 329.3 | 531.0 | 0.916 | 37.501A | 1.82 | 0.120 | 158.3 | 67.7 | 27.4 | 0.178 |
| | | 10.76 | 5.14 | 15.90 | TWO | 29.779 | 304.4 | -24.4 | 50.6 | | | | | | | | | | |
| 45720.0 | 52780.0 | 0.447 | 241.5 | -21.2 | -0.10 | 1.407 | 100.1 | 0.951 | 19.287 | 339.3 | 530.7 | 0.953 | 37.622A | 1.87 | 0.121 | 158.0 | 68.1 | 27.5 | 0.178 |
| | | 9.49 | 5.13 | 14.62 | TWO | 29.779 | 304.4 | -24.4 | 50.3 | | | | | | | | | | |
| 45730.0 | 52780.0 | 0.409 | 235.9 | -22.7 | -0.85 | 1.407 | 95.2 | 0.950 | 19.341 | 349.3 | 530.6 | 0.977 | 37.706A | 2.62 | 0.122 | 157.8 | 68.3 | 27.7 | 0.178 |
| | | 8.64 | 5.13 | 13.77 | TWO | 29.779 | 304.4 | -24.4 | 50.1 | | | | | | | | | | |
| 45740.0 | 52780.0 | 0.392 | 229.9 | -17.9 | 0.12 | 1.406 | 90.3 | 0.949 | 19.370 | 359.4 | 530.5 | 0.987 | 37.753A | 1.65 | 0.122 | 157.8 | 68.5 | 27.5 | 0.178 |
| | | 8.27 | 5.13 | 13.40 | ONE | 29.779 | 304.4 | -24.4 | 50.0 | | | | | | | | | | |
| 45750.0 | 52780.0 | 0.401 | 222.7 | -16.2 | 0.06 | 1.404 | 85.4 | 0.949 | 19.371 | 9.5 | 170.5 | 0.982D | 37.761A | 1.72 | 0.122 | 157.8 | 68.5 | 27.5 | 0.178 |
| | | 8.46 | 5.13 | 13.59 | ONE | 29.779 | 304.4 | -24.4 | 50.0 | | | | | | | | | | |
| 45760.0 | 52780.0 | 0.433 | 217.0 | -14.5 | 0.04 | 1.402 | 80.4 | 0.950 | 19.347 | 19.7 | 170.6 | 0.963D | 37.731A | 1.74 | 0.122 | 158.0 | 68.3 | 27.5 | 0.178 |
| | | 9.18 | 5.14 | 14.31 | ONE | 29.779 | 304.4 | -24.4 | 50.1 | | | | | | | | | | |
| 45770.0 | 52780.0 | 0.485 | 213.5 | -13.4 | 0.03 | 1.401 | 75.4 | 0.952 | 19.298 | 29.9 | 170.8 | 0.929D | 37.668A | 1.75 | 0.121 | 158.3 | 68.1 | 27.5 | 0.179 |
| | | 10.37 | 5.14 | 15.52 | ONE | 29.779 | 304.4 | -24.4 | 50.3 | | | | | | | | | | |
| 45780.0 | 52780.0 | 0.550 | 212.3 | -13.0 | 0.02 | 1.399 | 70.4 | 0.954 | 19.228 | 40.1 | 171.1 | 0.882D | 37.574A | 1.76 | 0.120 | 158.7 | 67.7 | 27.4 | 0.179 |
| | | 11.96 | 5.15 | 17.11 | ONE | 29.779 | 304.4 | -24.4 | 50.6 | | | | | | | | | | |
| 45790.0 | 52780.0 | 0.625 | 212.8 | -13.2 | 0.02 | 1.396 | 65.4 | 0.957 | 19.138 | 50.4 | 171.5 | 0.822D | 37.455A | 1.76 | 0.119 | 159.3 | 67.2 | 27.3 | 0.180 |
| | | 13.85 | 5.16 | 19.00 | ONE | 29.779 | 304.4 | -24.4 | 51.1 | | | | | | | | | | |
| ARRIVAL DATE = 2452980.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 52980.0 | 0.642 | 242.9 | -21.1 | 0.03 | 1.407 | 114.8 | 0.956 | 18.373 | 309.1 | 532.3 | 0.806 | 35.939A | 1.75 | 0.110 | 157.7 | 65.6 | 27.0 | 0.174 |
| | | 14.27 | 5.10 | 19.37 | TWO | 30.591 | 305.7 | -24.1 | 53.7 | | | | | | | | | | |
| 45700.0 | 52980.0 | 0.569 | 244.7 | -21.3 | 0.03 | 1.407 | 110.0 | 0.953 | 18.479 | 318.9 | 532.0 | 0.865 | 36.093A | 1.75 | 0.111 | 157.2 | 66.2 | 27.2 | 0.174 |
| | | 12.43 | 5.09 | 17.52 | TWO | 30.591 | 305.7 | -24.1 | 53.2 | | | | | | | | | | |
| 45710.0 | 52980.0 | 0.504 | 244.6 | -21.3 | 0.05 | 1.407 | 105.2 | 0.951 | 18.569 | 328.8 | 531.6 | 0.914 | 36.224A | 1.73 | 0.113 | 156.8 | 66.7 | 27.2 | 0.173 |
| | | 10.82 | 5.08 | 15.91 | TWO | 30.591 | 305.7 | -24.1 | 52.7 | | | | | | | | | | |
| 45720.0 | 52980.0 | 0.449 | 242.3 | -20.8 | 0.08 | 1.407 | 100.3 | 0.949 | 18.639 | 338.8 | 531.4 | 0.951 | 36.327A | 1.69 | 0.113 | 156.5 | 67.1 | 27.3 | 0.173 |
| | | 9.53 | 5.08 | 14.61 | TWO | 30.591 | 305.7 | -24.1 | 52.4 | | | | | | | | | | |
| 45730.0 | 52980.0 | 0.410 | 237.8 | -18.7 | 0.42 | 1.406 | 95.5 | 0.948 | 18.688 | 348.8 | 531.3 | 0.976 | 36.400A | 1.35 | 0.114 | 156.3 | 67.4 | 27.3 | 0.173 |
| | | 8.65 | 5.08 | 13.73 | TWO | 30.591 | 305.7 | -24.1 | 52.2 | | | | | | | | | | |
| 45740.0 | 52980.0 | 0.392 | 230.6 | -19.0 | -0.14 | 1.405 | 90.6 | 0.947 | 18.713 | 358.9 | 531.2 | 0.987 | 36.440A | 1.91 | 0.114 | 156.2 | 67.4 | 27.4 | 0.173 |
| | | 8.27 | 5.08 | 13.34 | ONE | 30.591 | 305.7 | -24.1 | 52.1 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45750.0 | 52980.0 | 0.399 | 223.5 | -16.8 | -0.06 | 1.403 | 85.6 | 0.947 | 18.715 | 9.0 | 171.2 | 0.983D | 36.448A | 1.83 | 0.114 | 156.3 | 67.4 | 27.4 | 0.173 |
| | | 8.42 | 5.08 | 13.50 | ONE | 30.591 | 305.7 | -24.1 | 52.1 | | | | | | | | | | |
| 45760.0 | 52980.0 | 0.430 | 217.7 | -15.9 | -0.04 | 1.402 | 80.7 | 0.948 | 18.694 | 19.1 | 171.3 | 0.964D | 36.425A | 1.81 | 0.114 | 156.5 | 67.3 | 27.4 | 0.173 |
| | | 9.11 | 5.08 | 14.20 | ONE | 30.591 | 305.7 | -24.1 | 52.2 | | | | | | | | | | |
| 45770.0 | 52980.0 | 0.481 | 214.1 | -13.8 | -0.03 | 1.400 | 75.7 | 0.950 | 18.652 | 29.3 | 171.5 | 0.931D | 36.372A | 1.80 | 0.114 | 156.8 | 67.1 | 27.3 | 0.174 |
| | | 10.28 | 5.09 | 15.37 | ONE | 30.591 | 305.7 | -24.1 | 52.4 | | | | | | | | | | |
| 45780.0 | 52980.0 | 0.546 | 212.8 | -13.3 | -0.02 | 1.398 | 70.7 | 0.952 | 18.589 | 39.6 | 171.7 | 0.885D | 36.293A | 1.79 | 0.113 | 157.2 | 66.7 | 27.3 | 0.174 |
| | | 11.85 | 5.09 | 16.94 | ONE | 30.591 | 305.7 | -24.1 | 52.7 | | | | | | | | | | |
| 45790.0 | 52980.0 | 0.620 | 213.3 | -13.4 | -0.02 | 1.396 | 65.7 | 0.955 | 18.510 | 49.8 | 172.1 | 0.826D | 36.194A | 1.79 | 0.112 | 157.8 | 66.3 | 27.2 | 0.175 |
| | | 13.71 | 5.10 | 18.81 | ONE | 30.591 | 305.7 | -24.1 | 53.1 | | | | | | | | | | |
| ARRIVAL DATE = 2453180.0 | | | | | | | | | | | | | | | | | | | |
| 45690.0 | 53180.0 | 0.646 | 243.4 | -21.0 | 0.08 | 1.406 | 115.1 | 0.955 | 17.864 | 308.5 | 532.9 | 0.803 | 34.925A | 1.72 | 0.103 | 156.1 | 64.6 | 26.8 | 0.170 |
| | | 14.38 | 5.05 | 19.43 | TWO | 29.306 | 306.9 | -23.7 | 55.9 | | | | | | | | | | |
| 45700.0 | 53180.0 | 0.573 | 245.3 | -21.3 | 0.10 | 1.407 | 110.3 | 0.952 | 17.960 | 318.4 | 532.6 | 0.862 | 35.057A | 1.69 | 0.104 | 155.5 | 65.2 | 27.0 | 0.169 |
| | | 12.52 | 5.04 | 17.56 | TWO | 29.306 | 306.9 | -23.7 | 55.3 | | | | | | | | | | |
| 45710.0 | 53180.0 | 0.507 | 245.4 | -21.2 | 0.14 | 1.407 | 105.4 | 0.949 | 18.041 | 328.3 | 532.3 | 0.912 | 35.169A | 1.65 | 0.105 | 155.1 | 65.7 | 27.1 | 0.169 |
| | | 10.89 | 5.04 | 15.93 | TWO | 29.306 | 306.9 | -23.7 | 54.9 | | | | | | | | | | |
| 45720.0 | 53180.0 | 0.451 | 243.2 | -20.5 | 0.23 | 1.406 | 100.6 | 0.948 | 18.104 | 338.2 | 532.1 | 0.950 | 35.258A | 1.55 | 0.106 | 154.8 | 66.1 | 27.1 | 0.168 |
| | | 9.58 | 5.04 | 14.62 | TWO | 29.306 | 306.9 | -23.7 | 54.5 | | | | | | | | | | |
| 45730.0 | 53180.0 | 0.411 | 239.0 | -17.4 | 0.86 | 1.405 | 95.7 | 0.946 | 18.148 | 348.3 | 531.9 | 0.975 | 35.321A | 0.91 | 0.107 | 154.6 | 66.4 | 27.0 | 0.168 |
| | | 8.68 | 5.03 | 13.72 | TWO | 29.306 | 306.9 | -23.7 | 54.3 | | | | | | | | | | |
| 45740.0 | 53180.0 | 0.392 | 231.2 | -20.5 | -0.49 | 1.404 | 90.8 | 0.946 | 18.171 | 358.3 | 531.8 | 0.986 | 35.357A | 2.26 | 0.107 | 154.5 | 66.4 | 27.4 | 0.168 |
| | | 8.26 | 5.03 | 13.30 | ONE | 29.306 | 306.9 | -23.7 | 54.2 | | | | | | | | | | |
| 45750.0 | 53180.0 | 0.398 | 224.3 | -17.6 | -0.19 | 1.403 | 85.9 | 0.946 | 18.174 | 8.4 | 171.9 | 0.983D | 35.364A | 1.96 | 0.107 | 154.6 | 66.4 | 27.3 | 0.168 |
| | | 8.39 | 5.03 | 13.42 | ONE | 29.306 | 306.9 | -23.7 | 54.2 | | | | | | | | | | |
| 45760.0 | 53180.0 | 0.428 | 218.4 | -15.5 | -0.12 | 1.401 | 81.0 | 0.947 | 18.156 | 18.6 | 171.9 | 0.966D | 35.345A | 1.88 | 0.107 | 154.8 | 66.3 | 27.2 | 0.168 |
| | | 9.05 | 5.04 | 14.09 | ONE | 29.306 | 306.9 | -23.7 | 54.3 | | | | | | | | | | |
| 45770.0 | 53180.0 | 0.477 | 214.8 | -14.2 | -0.09 | 1.399 | 76.0 | 0.948 | 18.118 | 28.8 | 172.1 | 0.934D | 35.302A | 1.85 | 0.106 | 155.1 | 66.1 | 27.2 | 0.169 |
| | | 10.19 | 5.04 | 15.23 | ONE | 29.306 | 306.9 | -23.7 | 54.5 | | | | | | | | | | |
| 45780.0 | 53180.0 | 0.541 | 213.3 | -13.6 | -0.08 | 1.397 | 71.0 | 0.951 | 18.062 | 39.0 | 172.3 | 0.888D | 35.236A | 1.82 | 0.106 | 155.5 | 65.7 | 27.1 | 0.170 |
| | | 11.73 | 5.05 | 16.78 | ONE | 29.306 | 306.9 | -23.7 | 54.8 | | | | | | | | | | |
| 45790.0 | 53180.0 | 0.615 | 213.8 | -13.7 | -0.07 | 1.395 | 66.0 | 0.954 | 17.991 | 49.2 | 172.7 | 0.830D | 35.152A | 1.81 | 0.105 | 156.1 | 65.3 | 27.0 | 0.170 |
| | | 13.57 | 5.06 | 18.63 | ONE | 29.306 | 306.9 | -23.7 | 55.2 | | | | | | | | | | |
| ARRIVAL DATE = 2453380.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 53380.0 | 0.577 | 245.9 | -21.2 | 0.16 | 1.406 | 110.6 | 0.951 | 17.526 | 317.8 | 533.2 | 0.859 | 34.194A | 1.64 | 0.097 | 153.8 | 64.1 | 26.8 | 0.165 |
| | | 12.62 | 5.00 | 17.62 | TWO | 30.945 | 308.2 | -23.4 | 57.5 | | | | | | | | | | |
| 45710.0 | 53380.0 | 0.510 | 246.1 | -21.1 | 0.22 | 1.406 | 105.7 | 0.948 | 17.600 | 327.7 | 532.9 | 0.909 | 34.290A | 1.58 | 0.099 | 153.3 | 64.6 | 26.9 | 0.165 |
| | | 10.97 | 5.00 | 15.97 | TWO | 30.945 | 308.2 | -23.4 | 57.0 | | | | | | | | | | |
| 45720.0 | 53380.0 | 0.453 | 244.1 | -20.2 | 0.36 | 1.406 | 100.9 | 0.946 | 17.658 | 337.7 | 532.7 | 0.948 | 34.367A | 1.43 | 0.100 | 153.0 | 65.0 | 26.9 | 0.164 |
| | | 9.64 | 4.99 | 14.63 | TWO | 30.945 | 308.2 | -23.4 | 56.7 | | | | | | | | | | |
| 45730.0 | 53380.0 | 0.413 | 240.1 | -16.9 | 1.09 | 1.405 | 96.0 | 0.945 | 17.698 | 347.7 | 532.5 | 0.974 | 34.422A | 0.69 | 0.100 | 152.8 | 65.3 | 26.7 | 0.164 |
| | | 8.72 | 4.99 | 13.71 | TWO | 30.945 | 308.2 | -23.4 | 56.4 | | | | | | | | | | |
| 45740.0 | 53380.0 | 0.392 | 231.7 | -22.5 | -1.00 | 1.404 | 91.1 | 0.944 | 17.720 | 357.8 | 532.5 | 0.986 | 34.454A | 2.77 | 0.101 | 152.7 | 65.3 | 27.3 | 0.164 |
| | | 8.27 | 4.99 | 13.26 | ONE | 30.945 | 308.2 | -23.4 | 56.3 | | | | | | | | | | |
| 45750.0 | 53380.0 | 0.396 | 225.1 | -18.4 | -0.35 | 1.402 | 86.2 | 0.944 | 17.723 | 7.9 | 172.5 | 0.984D | 34.462A | 2.11 | 0.101 | 152.8 | 65.4 | 27.2 | 0.164 |
| | | 8.36 | 4.99 | 13.35 | ONE | 30.945 | 308.2 | -23.4 | 56.3 | | | | | | | | | | |
| 45760.0 | 53380.0 | 0.425 | 219.2 | -16.1 | -0.21 | 1.401 | 81.3 | 0.945 | 17.707 | 18.0 | 172.5 | 0.967D | 34.446A | 1.96 | 0.100 | 152.9 | 65.3 | 27.1 | 0.164 |
| | | 8.99 | 4.99 | 13.98 | ONE | 30.945 | 308.2 | -23.4 | 56.4 | | | | | | | | | | |
| 45770.0 | 53380.0 | 0.473 | 215.4 | -14.6 | -0.16 | 1.399 | 76.3 | 0.947 | 17.673 | 28.2 | 172.7 | 0.936D | 34.410A | 1.90 | 0.100 | 153.3 | 65.1 | 27.0 | 0.165 |
| | | 10.10 | 5.00 | 15.10 | ONE | 30.945 | 308.2 | -23.4 | 56.6 | | | | | | | | | | |
| 45780.0 | 53380.0 | 0.536 | 213.9 | -13.9 | -0.13 | 1.397 | 71.3 | 0.949 | 17.623 | 38.3 | 172.9 | 0.891D | 34.354A | 1.86 | 0.099 | 153.7 | 64.7 | 26.9 | 0.165 |
| | | 11.61 | 5.01 | 16.62 | ONE | 30.945 | 308.2 | -23.4 | 56.9 | | | | | | | | | | |
| 45790.0 | 53380.0 | 0.609 | 214.3 | -14.0 | -0.11 | 1.395 | 66.4 | 0.952 | 17.559 | 48.5 | 173.2 | 0.834D | 34.283A | 1.83 | 0.098 | 154.3 | 64.3 | 26.8 | 0.166 |
| | | 13.43 | 5.01 | 18.45 | ONE | 30.945 | 308.2 | -23.4 | 57.3 | | | | | | | | | | |
| ARRIVAL DATE = 2453580.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 53580.0 | 0.581 | 246.6 | -21.2 | 0.22 | 1.406 | 110.9 | 0.950 | 17.162 | 317.1 | 533.7 | 0.855 | 33.469A | 1.60 | 0.091 | 151.8 | 63.1 | 26.6 | 0.162 |
| | | 12.72 | 4.97 | 17.69 | TWO | 29.053 | 309.4 | -23.0 | 59.6 | | | | | | | | | | |
| 45710.0 | 53580.0 | 0.513 | 246.9 | -21.0 | 0.29 | 1.406 | 106.0 | 0.947 | 17.230 | 327.1 | 533.5 | 0.907 | 33.553A | 1.51 | 0.092 | 151.4 | 63.6 | 26.6 | 0.161 |
| | | 11.06 | 4.96 | 16.02 | TWO | 29.053 | 309.4 | -23.0 | 59.2 | | | | | | | | | | |
| 45720.0 | 53580.0 | 0.456 | 245.0 | -20.1 | 0.46 | 1.405 | 101.1 | 0.945 | 17.283 | 337.0 | 533.3 | 0.946 | 33.620A | 1.33 | 0.093 | 151.0 | 64.0 | 26.7 | 0.161 |
| | | 9.70 | 4.96 | 14.66 | TWO | 29.053 | 309.4 | -23.0 | 58.8 | | | | | | | | | | |
| 45730.0 | 53580.0 | 0.414 | 241.2 | -16.6 | 1.22 | 1.404 | 96.3 | 0.944 | 17.321 | 347.1 | 533.1 | 0.973 | 33.668A | 0.55 | 0.094 | 150.8 | 64.3 | 26.5 | 0.160 |
| | | 8.76 | 4.96 | 13.71 | TWO | 29.053 | 309.4 | -23.0 | 58.6 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45740.0 | 53580.0 | 0.394 | 232.1 | -25.6 | -1.81 | 1.403 | 91.4 | 0.943 | 17.341 | 357.2 | 533.1 | 0.986 | 33.697A | 3.58 | 0.094 | 150.8 | 64.2 | 27.4 | 0.160 |
| | | 8.30 | 4.96 | 13.26 | ONE | 29.053 | 309.4 | -23.0 | 58.4 | | | | | | | | | | |
| 45750.0 | 53580.0 | 0.395 | 225.9 | -19.3 | -0.53 | 1.402 | 86.5 | 0.943 | 17.344 | 7.3 | 173.1 | 0.985D | 33.704A | 2.28 | 0.094 | 150.8 | 64.4 | 27.0 | 0.160 |
| | | 8.33 | 4.96 | 13.28 | ONE | 29.053 | 309.4 | -23.0 | 58.4 | | | | | | | | | | |
| 45760.0 | 53580.0 | 0.422 | 220.0 | -16.7 | -0.31 | 1.400 | 81.6 | 0.944 | 17.330 | 17.4 | 173.1 | 0.969D | 33.692A | 2.06 | 0.094 | 151.0 | 64.3 | 26.9 | 0.160 |
| | | 8.92 | 4.96 | 13.88 | ONE | 29.053 | 309.4 | -23.0 | 58.5 | | | | | | | | | | |
| 45770.0 | 53580.0 | 0.469 | 216.2 | -15.1 | -0.23 | 1.398 | 76.6 | 0.946 | 17.300 | 27.5 | 173.3 | 0.939D | 33.662A | 1.96 | 0.094 | 151.3 | 64.1 | 26.9 | 0.161 |
| | | 10.01 | 4.96 | 14.97 | ONE | 29.053 | 309.4 | -23.0 | 58.7 | | | | | | | | | | |
| 45780.0 | 53580.0 | 0.531 | 214.5 | -14.3 | -0.19 | 1.396 | 71.7 | 0.948 | 17.255 | 37.7 | 173.5 | 0.895D | 33.615A | 1.90 | 0.093 | 151.7 | 63.7 | 26.8 | 0.162 |
| | | 11.49 | 4.97 | 16.46 | ONE | 29.053 | 309.4 | -23.0 | 59.0 | | | | | | | | | | |
| 45790.0 | 53580.0 | 0.603 | 214.8 | -14.3 | -0.16 | 1.394 | 66.7 | 0.951 | 17.196 | 47.9 | 173.7 | 0.839D | 33.554A | 1.86 | 0.092 | 152.3 | 63.3 | 26.7 | 0.163 |
| | | 13.29 | 4.98 | 18.27 | ONE | 29.053 | 309.4 | -23.0 | 59.4 | | | | | | | | | | |
| ARRIVAL DATE = 2453780.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 53780.0 | 0.585 | 247.2 | -21.2 | 0.27 | 1.405 | 111.2 | 0.949 | 16.855 | 316.5 | 534.3 | 0.852 | 32.858A | 1.55 | 0.085 | 149.7 | 62.1 | 26.3 | 0.159 |
| | | 12.83 | 4.94 | 17.77 | TWO | 31.024 | 310.6 | -22.6 | 61.7 | | | | | | | | | | |
| 45710.0 | 53780.0 | 0.517 | 247.7 | -20.9 | 0.36 | 1.405 | 106.3 | 0.947 | 16.918 | 326.4 | 534.0 | 0.904 | 32.932A | 1.45 | 0.086 | 149.3 | 62.6 | 26.4 | 0.158 |
| | | 11.15 | 4.93 | 16.08 | TWO | 31.024 | 310.6 | -22.6 | 61.3 | | | | | | | | | | |
| 45720.0 | 53780.0 | 0.459 | 246.0 | -19.9 | 0.55 | 1.405 | 101.4 | 0.944 | 16.967 | 336.4 | 533.8 | 0.944 | 32.990A | 1.24 | 0.087 | 148.9 | 63.0 | 26.5 | 0.157 |
| | | 9.77 | 4.93 | 14.70 | TWO | 31.024 | 310.6 | -22.6 | 60.9 | | | | | | | | | | |
| 45730.0 | 53780.0 | 0.416 | 242.3 | -16.5 | 1.31 | 1.404 | 96.6 | 0.943 | 17.002 | 346.5 | 533.7 | 0.972 | 33.033A | 0.46 | 0.088 | 148.7 | 63.3 | 26.3 | 0.157 |
| | | 8.80 | 4.92 | 13.72 | TWO | 31.024 | 310.6 | -22.6 | 60.7 | | | | | | | | | | |
| 45740.0 | 53780.0 | 0.398 | 231.8 | -30.9 | -3.29 | 1.403 | 91.7 | 0.942 | 17.022 | 356.5 | 533.6 | 0.986 | 33.058A | 5.05 | 0.088 | 148.6 | 63.1 | 27.6 | 0.157 |
| | | 8.40 | 4.92 | 13.32 | ONE | 31.024 | 310.6 | -22.6 | 60.6 | | | | | | | | | | |
| 45750.0 | 53780.0 | 0.394 | 226.8 | -20.3 | -0.74 | 1.402 | 86.8 | 0.942 | 17.025 | 6.6 | 173.6 | 0.985D | 33.066A | 2.49 | 0.089 | 148.7 | 63.3 | 26.9 | 0.157 |
| | | 8.30 | 4.92 | 13.23 | ONE | 31.024 | 310.6 | -22.6 | 60.5 | | | | | | | | | | |
| 45760.0 | 53780.0 | 0.419 | 220.9 | -17.3 | -0.42 | 1.400 | 81.9 | 0.943 | 17.013 | 16.7 | 173.7 | 0.970D | 33.056A | 2.16 | 0.088 | 148.8 | 63.3 | 26.8 | 0.157 |
| | | 8.86 | 4.93 | 13.79 | ONE | 31.024 | 310.6 | -22.6 | 60.6 | | | | | | | | | | |
| 45770.0 | 53780.0 | 0.465 | 216.9 | -15.5 | -0.30 | 1.398 | 77.0 | 0.945 | 16.986 | 26.9 | 173.8 | 0.941D | 33.031A | 2.02 | 0.088 | 149.1 | 63.1 | 26.7 | 0.158 |
| | | 9.91 | 4.93 | 14.84 | ONE | 31.024 | 310.6 | -22.6 | 60.8 | | | | | | | | | | |
| 45780.0 | 53780.0 | 0.526 | 215.2 | -14.7 | -0.24 | 1.396 | 72.0 | 0.947 | 16.945 | 37.0 | 174.0 | 0.898D | 32.991A | 1.94 | 0.087 | 149.6 | 62.8 | 26.6 | 0.158 |
| | | 11.37 | 4.94 | 16.31 | ONE | 31.024 | 310.6 | -22.6 | 61.1 | | | | | | | | | | |
| 45790.0 | 53780.0 | 0.598 | 215.4 | -14.6 | -0.21 | 1.394 | 67.1 | 0.950 | 16.891 | 47.2 | 174.2 | 0.843D | 32.939A | 1.89 | 0.086 | 150.2 | 62.4 | 26.5 | 0.159 |
| | | 13.14 | 4.95 | 18.09 | ONE | 31.024 | 310.6 | -22.6 | 61.5 | | | | | | | | | | |
| ARRIVAL DATE = 2453980.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 53980.0 | 0.590 | 247.9 | -21.2 | 0.32 | 1.405 | 111.5 | 0.949 | 16.595 | 315.8 | 534.8 | 0.848 | 32.342A | 1.51 | 0.080 | 147.4 | 61.1 | 26.1 | 0.156 |
| | | 12.95 | 4.91 | 17.87 | TWO | 29.095 | 311.9 | -22.3 | 63.9 | | | | | | | | | | |
| 45710.0 | 53980.0 | 0.521 | 248.5 | -20.9 | 0.42 | 1.405 | 106.6 | 0.946 | 16.653 | 325.8 | 534.6 | 0.901 | 32.406A | 1.39 | 0.081 | 147.0 | 61.6 | 26.2 | 0.155 |
| | | 11.25 | 4.91 | 16.16 | TWO | 29.095 | 311.9 | -22.3 | 63.4 | | | | | | | | | | |
| 45720.0 | 53980.0 | 0.462 | 246.9 | -19.8 | 0.64 | 1.405 | 101.8 | 0.944 | 16.700 | 335.8 | 534.4 | 0.942 | 32.458A | 1.16 | 0.082 | 146.6 | 62.0 | 26.2 | 0.154 |
| | | 9.85 | 4.90 | 14.75 | TWO | 29.095 | 311.9 | -22.3 | 63.1 | | | | | | | | | | |
| 45730.0 | 53980.0 | 0.419 | 243.3 | -16.5 | 1.38 | 1.404 | 96.9 | 0.942 | 16.733 | 345.8 | 534.2 | 0.970 | 32.495A | 0.40 | 0.083 | 146.4 | 62.3 | 26.1 | 0.154 |
| | | 8.85 | 4.90 | 13.74 | TWO | 29.095 | 311.9 | -22.3 | 62.8 | | | | | | | | | | |
| 45740.0 | 53980.0 | 0.418 | 229.3 | -42.7 | -6.84 | 1.403 | 92.0 | 0.941 | 16.752 | 355.9 | 534.2 | 0.985 | 32.518A | 8.60 | 0.083 | 146.3 | 61.8 | 28.5 | 0.154 |
| | | 8.83 | 4.90 | 13.73 | ONE | 29.095 | 311.9 | -22.3 | 62.8 | | | | | | | | | | |
| 45750.0 | 53980.0 | 0.393 | 227.7 | -21.5 | -0.99 | 1.401 | 87.1 | 0.941 | 16.756 | 6.0 | 174.2 | 0.986D | 32.525A | 2.73 | 0.083 | 146.3 | 62.3 | 26.8 | 0.154 |
| | | 8.28 | 4.90 | 13.18 | ONE | 29.095 | 311.9 | -22.3 | 62.6 | | | | | | | | | | |
| 45760.0 | 53980.0 | 0.417 | 221.8 | -18.0 | -0.54 | 1.400 | 82.2 | 0.942 | 16.745 | 16.1 | 174.2 | 0.972D | 32.518A | 2.27 | 0.083 | 146.5 | 62.3 | 26.6 | 0.154 |
| | | 8.80 | 4.90 | 13.70 | ONE | 29.095 | 311.9 | -22.3 | 62.7 | | | | | | | | | | |
| 45770.0 | 53980.0 | 0.461 | 217.7 | -16.1 | -0.38 | 1.398 | 77.3 | 0.944 | 16.720 | 26.2 | 174.3 | 0.944D | 32.496A | 2.09 | 0.082 | 146.8 | 62.1 | 26.5 | 0.154 |
| | | 9.82 | 4.90 | 14.72 | ONE | 29.095 | 311.9 | -22.3 | 62.9 | | | | | | | | | | |
| 45780.0 | 53980.0 | 0.521 | 215.9 | -15.1 | -0.30 | 1.396 | 72.4 | 0.946 | 16.682 | 36.3 | 174.5 | 0.902D | 32.463A | 1.99 | 0.081 | 147.2 | 61.8 | 26.4 | 0.155 |
| | | 11.25 | 4.91 | 16.16 | ONE | 29.095 | 311.9 | -22.3 | 63.2 | | | | | | | | | | |
| 45790.0 | 53980.0 | 0.592 | 216.0 | -14.9 | -0.26 | 1.394 | 67.4 | 0.949 | 16.633 | 46.4 | 174.7 | 0.848D | 32.419A | 1.92 | 0.080 | 147.8 | 61.4 | 26.3 | 0.156 |
| | | 13.00 | 4.92 | 17.92 | ONE | 29.095 | 311.9 | -22.3 | 63.5 | | | | | | | | | | |
| ARRIVAL DATE = 2454180.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 54180.0 | 0.595 | 248.6 | -21.2 | 0.37 | 1.405 | 111.8 | 0.948 | 16.374 | 315.1 | 535.3 | 0.844 | 31.905A | 1.47 | 0.074 | 144.9 | 60.1 | 25.9 | 0.153 |
| | | 13.08 | 4.89 | 17.97 | TWO | 30.806 | 313.1 | -21.9 | 66.0 | | | | | | | | | | |
| 45710.0 | 54180.0 | 0.526 | 249.3 | -20.8 | 0.48 | 1.405 | 107.0 | 0.945 | 16.429 | 325.1 | 535.1 | 0.897 | 31.961A | 1.34 | 0.076 | 144.4 | 60.6 | 26.0 | 0.152 |
| | | 11.36 | 4.88 | 16.24 | TWO | 30.806 | 313.1 | -21.9 | 65.5 | | | | | | | | | | |
| 45720.0 | 54180.0 | 0.466 | 247.9 | -19.8 | 0.71 | 1.404 | 102.1 | 0.943 | 16.473 | 335.1 | 534.9 | 0.940 | 32.006A | 1.09 | 0.077 | 144.1 | 61.0 | 26.0 | 0.152 |
| | | 9.93 | 4.88 | 14.80 | TWO | 30.806 | 313.1 | -21.9 | 65.2 | | | | | | | | | | |
| 45730.0 | 54180.0 | 0.421 | 244.4 | -16.6 | 1.43 | 1.403 | 97.2 | 0.941 | 16.504 | 345.1 | 534.8 | 0.969 | 32.039A | 0.35 | 0.077 | 143.9 | 61.3 | 25.9 | 0.151 |
| | | 8.90 | 4.87 | 13.77 | TWO | 30.806 | 313.1 | -21.9 | 64.9 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45750.0 | 54180.0 | 0.392 | 228.6 | -22.9 | -1.30 | 1.401 | 87.4 | 0.940 | 16.527 | 5.3 | 174.7 | 0.986D | 32.067A | 3.04 | 0.078 | 143.8 | 61.3 | 26.7 | 0.151 |
| | | 8.27 | 4.87 | 13.14 | ONE | 30.806 | 313.1 | -21.9 | 64.7 | | | | | | | | | | |
| 45760.0 | 54180.0 | 0.414 | 222.7 | -18.8 | -0.68 | 1.399 | 82.5 | 0.941 | 16.517 | 15.4 | 174.7 | 0.974D | 32.061A | 2.39 | 0.078 | 143.9 | 61.3 | 26.5 | 0.151 |
| | | 8.75 | 4.87 | 13.62 | ONE | 30.806 | 313.1 | -21.9 | 64.8 | | | | | | | | | | |
| 45770.0 | 54180.0 | 0.457 | 218.5 | -16.6 | -0.47 | 1.397 | 77.6 | 0.943 | 16.495 | 25.5 | 174.8 | 0.946D | 32.043A | 2.16 | 0.077 | 144.2 | 61.1 | 26.4 | 0.152 |
| | | 9.73 | 4.88 | 14.61 | ONE | 30.806 | 313.1 | -21.9 | 64.9 | | | | | | | | | | |
| 45780.0 | 54180.0 | 0.516 | 216.6 | -15.5 | -0.37 | 1.395 | 72.7 | 0.945 | 16.460 | 35.6 | 175.0 | 0.906D | 32.015A | 2.04 | 0.076 | 144.7 | 60.9 | 26.3 | 0.152 |
| | | 11.13 | 4.88 | 16.01 | ONE | 30.806 | 313.1 | -21.9 | 65.2 | | | | | | | | | | |
| 45790.0 | 54180.0 | 0.586 | 216.6 | -15.2 | -0.31 | 1.393 | 67.8 | 0.948 | 16.415 | 45.7 | 175.2 | 0.852D | 31.977A | 1.95 | 0.075 | 145.3 | 60.5 | 26.1 | 0.153 |
| | | 12.85 | 4.89 | 17.75 | ONE | 30.806 | 313.1 | -21.9 | 65.6 | | | | | | | | | | |
| ARRIVAL DATE = 2454380.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 54380.0 | 0.600 | 249.3 | -21.2 | 0.42 | 1.404 | 112.2 | 0.948 | 16.187 | 314.4 | 535.8 | 0.839 | 31.535A | 1.44 | 0.069 | 142.2 | 59.2 | 25.7 | 0.151 |
| | | 13.21 | 4.87 | 18.08 | TWO | 29.422 | 314.3 | -21.5 | 68.0 | | | | | | | | | | |
| 45710.0 | 54380.0 | 0.530 | 250.1 | -20.8 | 0.53 | 1.404 | 107.3 | 0.945 | 16.239 | 324.3 | 535.5 | 0.894 | 31.583A | 1.30 | 0.071 | 141.7 | 59.7 | 25.8 | 0.150 |
| | | 11.47 | 4.86 | 16.33 | TWO | 29.422 | 314.3 | -21.5 | 67.6 | | | | | | | | | | |
| 45720.0 | 54380.0 | 0.470 | 248.9 | -19.8 | 0.77 | 1.404 | 102.4 | 0.942 | 16.280 | 334.4 | 535.4 | 0.937 | 31.623A | 1.03 | 0.072 | 141.4 | 60.1 | 25.8 | 0.149 |
| | | 10.01 | 4.86 | 14.87 | TWO | 29.422 | 314.3 | -21.5 | 67.2 | | | | | | | | | | |
| 45730.0 | 54380.0 | 0.423 | 245.6 | -16.7 | 1.47 | 1.403 | 97.6 | 0.941 | 16.310 | 344.4 | 535.3 | 0.968 | 31.652A | 0.31 | 0.073 | 141.1 | 60.4 | 25.6 | 0.149 |
| | | 8.95 | 4.85 | 13.80 | TWO | 29.422 | 314.3 | -21.5 | 67.0 | | | | | | | | | | |
| 45740.0 | 54380.0 | 0.593 | 253.9 | 37.6 | 21.43 | 1.402 | 92.7 | 0.940 | 16.327 | 354.4 | 535.2 | 0.984 | 31.671A | -19.68 | 0.073 | 141.0 | 61.6 | 19.8 | 0.152 |
| | | 13.03 | 4.88 | 17.91 | TWO | 29.422 | 314.3 | -21.5 | 67.3 | | | | | | | | | | |
| 45750.0 | 54380.0 | 0.392 | 229.5 | -24.5 | -1.69 | 1.401 | 87.8 | 0.940 | 16.332 | 4.6 | 175.2 | 0.987D | 31.677A | 3.42 | 0.073 | 141.1 | 60.3 | 26.6 | 0.149 |
| | | 8.26 | 4.85 | 13.11 | ONE | 29.422 | 314.3 | -21.5 | 66.8 | | | | | | | | | | |
| 45760.0 | 54380.0 | 0.412 | 223.7 | -19.6 | -0.83 | 1.399 | 82.9 | 0.940 | 16.324 | 14.7 | 175.2 | 0.975D | 31.673A | 2.53 | 0.073 | 141.2 | 60.4 | 26.3 | 0.149 |
| | | 8.69 | 4.85 | 13.54 | ONE | 29.422 | 314.3 | -21.5 | 66.8 | | | | | | | | | | |
| 45770.0 | 54380.0 | 0.453 | 219.4 | -17.2 | -0.56 | 1.397 | 78.0 | 0.942 | 16.304 | 24.8 | 175.3 | 0.949D | 31.659A | 2.24 | 0.073 | 141.5 | 60.2 | 26.2 | 0.149 |
| | | 9.64 | 4.86 | 14.49 | ONE | 29.422 | 314.3 | -21.5 | 67.0 | | | | | | | | | | |
| 45780.0 | 54380.0 | 0.511 | 217.3 | -15.9 | -0.44 | 1.395 | 73.1 | 0.944 | 16.272 | 34.9 | 175.4 | 0.909D | 31.635A | 2.09 | 0.072 | 141.9 | 60.0 | 26.1 | 0.150 |
| | | 11.01 | 4.86 | 15.87 | ONE | 29.422 | 314.3 | -21.5 | 67.2 | | | | | | | | | | |
| 45790.0 | 54380.0 | 0.580 | 217.2 | -15.6 | -0.36 | 1.393 | 68.2 | 0.947 | 16.230 | 45.0 | 175.6 | 0.857D | 31.603A | 1.99 | 0.071 | 142.5 | 59.6 | 26.0 | 0.151 |
| | | 12.71 | 4.87 | 17.58 | ONE | 29.422 | 314.3 | -21.5 | 67.6 | | | | | | | | | | |
| ARRIVAL DATE = 2454580.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 54580.0 | 0.606 | 250.0 | -21.2 | 0.46 | 1.404 | 112.5 | 0.948 | 16.028 | 313.6 | 536.2 | 0.835 | 31.221A | 1.41 | 0.065 | 139.2 | 58.3 | 25.5 | 0.149 |
| | | 13.35 | 4.85 | 18.21 | TWO | 30.357 | 315.5 | -21.1 | 70.1 | | | | | | | | | | |
| 45710.0 | 54580.0 | 0.535 | 250.9 | -20.8 | 0.58 | 1.404 | 107.7 | 0.945 | 16.077 | 323.6 | 536.0 | 0.890 | 31.264A | 1.25 | 0.066 | 138.7 | 58.7 | 25.6 | 0.148 |
| | | 11.59 | 4.85 | 16.43 | TWO | 30.357 | 315.5 | -21.1 | 69.6 | | | | | | | | | | |
| 45720.0 | 54580.0 | 0.474 | 249.9 | -19.7 | 0.83 | 1.404 | 102.8 | 0.942 | 16.116 | 333.6 | 535.9 | 0.934 | 31.298A | 0.98 | 0.068 | 138.4 | 59.1 | 25.6 | 0.147 |
| | | 10.11 | 4.84 | 14.94 | TWO | 30.357 | 315.5 | -21.1 | 69.3 | | | | | | | | | | |
| 45730.0 | 54580.0 | 0.426 | 246.7 | -16.8 | 1.50 | 1.403 | 97.9 | 0.940 | 16.145 | 343.7 | 535.7 | 0.966 | 31.324A | 0.28 | 0.068 | 138.2 | 59.5 | 25.4 | 0.147 |
| | | 9.01 | 4.83 | 13.85 | TWO | 30.357 | 315.5 | -21.1 | 69.0 | | | | | | | | | | |
| 45740.0 | 54580.0 | 0.441 | 246.3 | 9.8 | 9.34 | 1.402 | 93.0 | 0.939 | 16.162 | 353.7 | 535.7 | 0.984 | 31.340A | -7.59 | 0.069 | 138.1 | 60.2 | 23.1 | 0.147 |
| | | 9.34 | 4.84 | 14.18 | TWO | 30.357 | 315.5 | -21.1 | 68.9 | | | | | | | | | | |
| 45750.0 | 54580.0 | 0.392 | 230.3 | -26.6 | -2.19 | 1.400 | 88.1 | 0.939 | 16.167 | 3.9 | 175.7 | 0.987D | 31.347A | 3.92 | 0.069 | 138.1 | 59.4 | 26.6 | 0.147 |
| | | 8.27 | 4.83 | 13.10 | ONE | 30.357 | 315.5 | -21.1 | 68.8 | | | | | | | | | | |
| 45760.0 | 54580.0 | 0.409 | 224.7 | -20.5 | -1.00 | 1.399 | 83.2 | 0.940 | 16.160 | 14.0 | 175.7 | 0.977D | 31.344A | 2.69 | 0.069 | 138.2 | 59.4 | 26.2 | 0.147 |
| | | 8.64 | 4.83 | 13.47 | ONE | 30.357 | 315.5 | -21.1 | 68.9 | | | | | | | | | | |
| 45770.0 | 54580.0 | 0.449 | 220.3 | -17.8 | -0.66 | 1.397 | 78.3 | 0.941 | 16.142 | 24.0 | 175.8 | 0.952D | 31.332A | 2.33 | 0.068 | 138.5 | 59.3 | 26.0 | 0.147 |
| | | 9.55 | 4.84 | 14.38 | ONE | 30.357 | 315.5 | -21.1 | 69.0 | | | | | | | | | | |
| 45780.0 | 54580.0 | 0.506 | 218.1 | -16.4 | -0.51 | 1.395 | 73.5 | 0.943 | 16.112 | 34.1 | 175.9 | 0.913D | 31.312A | 2.14 | 0.067 | 138.9 | 59.1 | 25.9 | 0.148 |
| | | 10.89 | 4.84 | 15.73 | ONE | 30.357 | 315.5 | -21.1 | 69.3 | | | | | | | | | | |
| 45790.0 | 54580.0 | 0.575 | 217.9 | -15.9 | -0.42 | 1.393 | 68.5 | 0.946 | 16.073 | 44.2 | 176.0 | 0.862D | 31.285A | 2.03 | 0.066 | 139.4 | 58.8 | 25.8 | 0.149 |
| | | 12.56 | 4.85 | 17.41 | ONE | 30.357 | 315.5 | -21.1 | 69.6 | | | | | | | | | | |
| ARRIVAL DATE = 2454980.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 54980.0 | 0.618 | 251.4 | -21.2 | 0.55 | 1.404 | 113.3 | 0.948 | 15.780 | 312.1 | 537.0 | 0.825 | 30.735A | 1.35 | 0.057 | 132.4 | 56.6 | 25.0 | 0.146 |
| | | 13.65 | 4.83 | 18.48 | TWO | 29.806 | 317.9 | -20.2 | 74.1 | | | | | | | | | | |
| 45710.0 | 54980.0 | 0.546 | 252.6 | -20.8 | 0.68 | 1.404 | 108.4 | 0.944 | 15.824 | 322.1 | 536.9 | 0.883 | 30.766A | 1.18 | 0.059 | 132.0 | 57.0 | 25.1 | 0.145 |
| | | 11.84 | 4.82 | 16.66 | TWO | 29.806 | 317.9 | -20.2 | 73.6 | | | | | | | | | | |
| 45720.0 | 54980.0 | 0.482 | 251.9 | -19.8 | 0.93 | 1.403 | 103.5 | 0.941 | 15.860 | 332.1 | 536.7 | 0.929 | 30.792A | 0.89 | 0.060 | 131.7 | 57.4 | 25.1 | 0.144 |
| | | 10.31 | 4.81 | 15.12 | TWO | 29.806 | 317.9 | -20.2 | 73.3 | | | | | | | | | | |
| 45730.0 | 54980.0 | 0.432 | 249.0 | -17.0 | 1.55 | 1.403 | 98.6 | 0.939 | 15.887 | 342.2 | 536.6 | 0.962 | 30.812A | 0.23 | 0.061 | 131.5 | 57.8 | 25.0 | 0.143 |
| | | 9.15 | 4.80 | 13.96 | TWO | 29.806 | 317.9 | -20.2 | 73.0 | | | | | | | | | | |
| 45740.0 | 54980.0 | 0.412 | 245.8 | -3.7 | 5.13 | 1.402 | 93.7 | 0.938 | 15.904 | 352.3 | 536.6 | 0.982 | 30.825A | -3.39 | 0.061 | 131.4 | 58.2 | 23.9 | 0.143 |
| | | 8.71 | 4.80 | 13.51 | TWO | 29.806 | 317.9 | -20.2 | 72.9 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45750.0 | 54980.0 | 0.397 | 231.5 | -32.7 | -3.81 | 1.400 | 88.9 | 0.938 | 15.909 | 2.4 | 176.6 | 0.988D | 30.831A | 5.52 | 0.062 | 131.4 | 57.5 | 26.7 | 0.143 |
| | | 8.36 | 4.80 | 13.17 | ONE | 29.806 | 317.9 | -20.2 | 72.8 | | | | | | | | | | |
| 45760.0 | 54980.0 | 0.405 | 226.8 | -22.6 | -1.41 | 1.398 | 84.0 | 0.938 | 15.905 | 12.4 | 176.6 | 0.980D | 30.830A | 3.09 | 0.061 | 131.6 | 57.7 | 25.9 | 0.143 |
| | | 8.55 | 4.80 | 13.35 | ONE | 29.806 | 317.9 | -20.2 | 72.8 | | | | | | | | | | |
| 45770.0 | 54980.0 | 0.442 | 222.2 | -19.1 | -0.88 | 1.397 | 79.1 | 0.940 | 15.889 | 22.5 | 176.6 | 0.957D | 30.822A | 2.53 | 0.061 | 131.8 | 57.6 | 25.7 | 0.144 |
| | | 9.37 | 4.81 | 14.18 | ONE | 29.806 | 317.9 | -20.2 | 73.0 | | | | | | | | | | |
| 45780.0 | 54980.0 | 0.496 | 219.7 | -17.4 | -0.66 | 1.395 | 74.2 | 0.942 | 15.864 | 32.6 | 176.7 | 0.920D | 30.808A | 2.27 | 0.060 | 132.1 | 57.4 | 25.6 | 0.144 |
| | | 10.65 | 4.81 | 15.46 | ONE | 29.806 | 317.9 | -20.2 | 73.2 | | | | | | | | | | |
| 45790.0 | 54980.0 | 0.563 | 219.3 | -16.7 | -0.54 | 1.392 | 69.3 | 0.945 | 15.830 | 42.6 | 176.9 | 0.871D | 30.789A | 2.11 | 0.059 | 132.6 | 57.1 | 25.4 | 0.145 |
| | | 12.27 | 4.82 | 17.09 | ONE | 29.806 | 317.9 | -20.2 | 73.5 | | | | | | | | | | |
| 45800.0 | 54980.0 | 0.637 | 220.5 | -16.7 | -0.47 | 1.390 | 64.4 | 0.949 | 15.788 | 52.6 | 177.0 | 0.810D | 30.765A | 2.00 | 0.057 | 133.2 | 56.8 | 25.3 | 0.147 |
| | | 14.15 | 4.83 | 18.98 | ONE | 29.806 | 317.9 | -20.2 | 73.8 | | | | | | | | | | |
| ARRIVAL DATE = 2455380.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 55380.0 | 0.630 | 252.9 | -21.2 | 0.62 | 1.404 | 114.1 | 0.948 | 15.606 | 310.4 | 537.8 | 0.815 | 30.397A | 1.29 | 0.051 | 124.3 | 55.1 | 24.6 | 0.144 |
| | | 13.97 | 4.81 | 18.78 | TWO | 29.311 | 320.3 | -19.4 | 77.9 | | | | | | | | | | |
| 45710.0 | 55380.0 | 0.557 | 254.4 | -20.9 | 0.76 | 1.404 | 109.2 | 0.944 | 15.647 | 320.5 | 537.7 | 0.874 | 30.419A | 1.11 | 0.052 | 124.1 | 55.5 | 24.7 | 0.143 |
| | | 12.12 | 4.80 | 16.91 | TWO | 29.311 | 320.3 | -19.4 | 77.5 | | | | | | | | | | |
| 45720.0 | 55380.0 | 0.492 | 254.0 | -19.8 | 1.01 | 1.403 | 104.3 | 0.941 | 15.680 | 330.5 | 537.6 | 0.922 | 30.438A | 0.82 | 0.054 | 123.9 | 55.9 | 24.7 | 0.142 |
| | | 10.53 | 4.79 | 15.32 | TWO | 29.311 | 320.3 | -19.4 | 77.2 | | | | | | | | | | |
| 45730.0 | 55380.0 | 0.439 | 251.4 | -17.3 | 1.58 | 1.402 | 99.4 | 0.939 | 15.705 | 340.6 | 537.5 | 0.958 | 30.453A | 0.20 | 0.055 | 123.8 | 56.2 | 24.6 | 0.141 |
| | | 9.31 | 4.78 | 14.09 | TWO | 29.311 | 320.3 | -19.4 | 76.9 | | | | | | | | | | |
| 45740.0 | 55380.0 | 0.410 | 247.6 | -8.2 | 3.92 | 1.401 | 94.5 | 0.938 | 15.721 | 350.7 | 537.4 | 0.980 | 30.462A | -2.18 | 0.055 | 123.8 | 56.6 | 23.9 | 0.141 |
| | | 8.66 | 4.78 | 13.44 | TWO | 29.311 | 320.3 | -19.4 | 76.7 | | | | | | | | | | |
| 45750.0 | 55380.0 | 0.420 | 230.2 | -45.8 | -7.66 | 1.400 | 89.6 | 0.937 | 15.728 | 0.8 | 177.4 | 0.988D | 30.467A | 9.36 | 0.056 | 123.8 | 55.5 | 27.5 | 0.141 |
| | | 8.87 | 4.79 | 13.66 | ONE | 29.311 | 320.3 | -19.4 | 76.7 | | | | | | | | | | |
| 45760.0 | 55380.0 | 0.402 | 228.9 | -25.2 | -1.97 | 1.398 | 84.7 | 0.938 | 15.725 | 10.9 | 177.4 | 0.982D | 30.467A | 3.62 | 0.055 | 123.9 | 56.1 | 25.8 | 0.141 |
| | | 8.48 | 4.78 | 13.26 | ONE | 29.311 | 320.3 | -19.4 | 76.7 | | | | | | | | | | |
| 45770.0 | 55380.0 | 0.435 | 224.2 | -20.6 | -1.15 | 1.396 | 79.9 | 0.939 | 15.712 | 20.9 | 177.4 | 0.962D | 30.462A | 2.77 | 0.055 | 124.0 | 56.1 | 25.5 | 0.141 |
| | | 9.21 | 4.78 | 13.99 | ONE | 29.311 | 320.3 | -19.4 | 76.8 | | | | | | | | | | |
| 45780.0 | 55380.0 | 0.486 | 221.5 | -18.4 | -0.83 | 1.394 | 75.0 | 0.941 | 15.690 | 31.0 | 177.5 | 0.927D | 30.453A | 2.41 | 0.054 | 124.3 | 55.9 | 25.3 | 0.142 |
| | | 10.41 | 4.79 | 15.20 | ONE | 29.311 | 320.3 | -19.4 | 77.0 | | | | | | | | | | |
| 45790.0 | 55380.0 | 0.551 | 220.8 | -17.5 | -0.67 | 1.392 | 70.1 | 0.944 | 15.660 | 41.0 | 177.6 | 0.880D | 30.440A | 2.20 | 0.053 | 124.6 | 55.7 | 25.1 | 0.143 |
| | | 11.97 | 4.80 | 16.77 | ONE | 29.311 | 320.3 | -19.4 | 77.2 | | | | | | | | | | |
| 45800.0 | 55380.0 | 0.624 | 221.8 | -17.3 | -0.57 | 1.390 | 65.3 | 0.947 | 15.623 | 50.9 | 177.7 | 0.822D | 30.424A | 2.06 | 0.052 | 125.1 | 55.4 | 25.0 | 0.144 |
| | | 13.81 | 4.81 | 18.62 | ONE | 29.311 | 320.3 | -19.4 | 77.5 | | | | | | | | | | |
| ARRIVAL DATE = 2455780.0 | | | | | | | | | | | | | | | | | | | |
| 45700.0 | 55780.0 | 0.643 | 254.4 | -21.3 | 0.69 | 1.403 | 114.9 | 0.948 | 15.488 | 308.7 | 538.5 | 0.804 | 30.173A | 1.25 | 0.046 | 115.0 | 53.8 | 24.3 | 0.143 |
| | | 14.31 | 4.80 | 19.11 | TWO | 29.016 | 322.6 | -18.5 | 81.5 | | | | | | | | | | |
| 45710.0 | 55780.0 | 0.569 | 256.1 | -20.9 | 0.83 | 1.403 | 110.0 | 0.944 | 15.526 | 318.8 | 538.4 | 0.865 | 30.187A | 1.05 | 0.048 | 115.1 | 54.2 | 24.4 | 0.141 |
| | | 12.41 | 4.79 | 17.20 | TWO | 29.016 | 322.6 | -18.5 | 81.2 | | | | | | | | | | |
| 45720.0 | 55780.0 | 0.502 | 256.0 | -19.9 | 1.08 | 1.403 | 105.1 | 0.941 | 15.558 | 328.9 | 538.3 | 0.915 | 30.200A | 0.75 | 0.049 | 115.1 | 54.5 | 24.4 | 0.140 |
| | | 10.78 | 4.78 | 15.55 | TWO | 29.016 | 322.6 | -18.5 | 80.8 | | | | | | | | | | |
| 45730.0 | 55780.0 | 0.447 | 253.8 | -17.6 | 1.61 | 1.402 | 100.2 | 0.939 | 15.582 | 339.0 | 538.2 | 0.953 | 30.210A | 0.18 | 0.050 | 115.2 | 54.9 | 24.3 | 0.139 |
| | | 9.48 | 4.77 | 14.26 | TWO | 29.016 | 322.6 | -18.5 | 80.6 | | | | | | | | | | |
| 45740.0 | 55780.0 | 0.412 | 249.8 | -10.7 | 3.34 | 1.401 | 95.3 | 0.937 | 15.598 | 349.1 | 538.2 | 0.978 | 30.217A | -1.61 | 0.051 | 115.2 | 55.2 | 23.7 | 0.139 |
| | | 8.70 | 4.77 | 13.47 | TWO | 29.016 | 322.6 | -18.5 | 80.4 | | | | | | | | | | |
| 45760.0 | 55780.0 | 0.400 | 231.0 | -28.6 | -2.76 | 1.398 | 85.5 | 0.937 | 15.603 | 9.2 | 178.2 | 0.985D | 30.221A | 4.40 | 0.051 | 115.3 | 54.7 | 25.7 | 0.139 |
| | | 8.44 | 4.77 | 13.21 | ONE | 29.016 | 322.6 | -18.5 | 80.3 | | | | | | | | | | |
| 45770.0 | 55780.0 | 0.428 | 226.4 | -22.4 | -1.47 | 1.396 | 80.7 | 0.938 | 15.592 | 19.3 | 178.2 | 0.966D | 30.219A | 3.07 | 0.051 | 115.4 | 54.8 | 25.2 | 0.139 |
| | | 9.06 | 4.77 | 13.83 | ONE | 29.016 | 322.6 | -18.5 | 80.4 | | | | | | | | | | |
| 45780.0 | 55780.0 | 0.477 | 223.3 | -19.6 | -1.03 | 1.394 | 75.8 | 0.940 | 15.574 | 29.3 | 178.2 | 0.934D | 30.213A | 2.57 | 0.050 | 115.5 | 54.6 | 25.0 | 0.140 |
| | | 10.18 | 4.77 | 14.95 | ONE | 29.016 | 322.6 | -18.5 | 80.6 | | | | | | | | | | |
| 45790.0 | 55780.0 | 0.539 | 222.4 | -18.4 | -0.81 | 1.392 | 71.0 | 0.943 | 15.547 | 39.3 | 178.3 | 0.890D | 30.205A | 2.30 | 0.049 | 115.7 | 54.5 | 24.8 | 0.141 |
| | | 11.68 | 4.78 | 16.47 | ONE | 29.016 | 322.6 | -18.5 | 80.8 | | | | | | | | | | |
| 45800.0 | 55780.0 | 0.611 | 223.2 | -18.0 | -0.68 | 1.390 | 66.1 | 0.946 | 15.514 | 49.2 | 178.4 | 0.833D | 30.194A | 2.12 | 0.047 | 115.9 | 54.2 | 24.7 | 0.142 |
| | | 13.47 | 4.79 | 18.27 | ONE | 29.016 | 322.6 | -18.5 | 81.0 | | | | | | | | | | |
| ARRIVAL DATE = 2456180.0 | | | | | | | | | | | | | | | | | | | |
| 45710.0 | 56180.0 | 0.581 | 257.8 | -20.9 | 0.90 | 1.403 | 110.8 | 0.945 | 15.451 | 317.1 | 539.1 | 0.856 | 30.046A | 1.00 | 0.045 | 105.2 | 53.1 | 24.0 | 0.140 |
| | | 12.73 | 4.78 | 17.51 | TWO | 29.011 | 325.0 | -17.5 | 84.6 | | | | | | | | | | |
| 45720.0 | 56180.0 | 0.513 | 258.1 | -20.0 | 1.14 | 1.403 | 105.9 | 0.941 | 15.481 | 327.2 | 539.0 | 0.908 | 30.054A | 0.70 | 0.046 | 105.5 | 53.4 | 24.1 | 0.139 |
| | | 11.04 | 4.77 | 15.81 | TWO | 29.011 | 325.0 | -17.5 | 84.3 | | | | | | | | | | |
| 45730.0 | 56180.0 | 0.455 | 256.2 | -17.9 | 1.63 | 1.402 | 101.0 | 0.939 | 15.504 | 337.3 | 538.9 | 0.948 | 30.060A | 0.16 | 0.047 | 105.8 | 53.7 | 24.0 | 0.138 |
| | | 9.68 | 4.76 | 14.44 | TWO | 29.011 | 325.0 | -17.5 | 84.1 | | | | | | | | | | |

1984
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45740.0 | 56180.0 | 0.416 | 252.3 | -12.3 | 3.01 | 1.401 | 96.1 | 0.937 | 15.519 | 347.4 | 538.9 | 0.975 | 30.064A | -1.28 | 0.048 | 106.0 | 54.0 | 23.5 | 0.138 |
| | | 8.80 | 4.76 | 13.55 | TWO | 29.011 | 325.0 | -17.5 | 83.9 | | | | | | | | | | |
| 45750.0 | 56180.0 | 0.618 | 257.6 | 40.7 | 23.22 | 1.400 | 91.3 | 0.936 | 15.527 | 357.4 | 538.9 | 0.988 | 30.066A | -21.54 | 0.048 | 106.1 | 55.9 | 17.3 | 0.142 |
| | | 13.65 | 4.79 | 18.44 | TWO | 29.011 | 325.0 | -17.5 | 84.0 | | | | | | | | | | |
| 45760.0 | 56180.0 | 0.402 | 232.8 | -33.4 | -3.98 | 1.398 | 86.3 | 0.936 | 15.527 | 7.6 | 178.9 | 0.987D | 30.067A | 5.60 | 0.048 | 106.2 | 53.4 | 25.8 | 0.138 |
| | | 8.47 | 4.76 | 13.23 | ONE | 29.011 | 325.0 | -17.5 | 83.8 | | | | | | | | | | |
| 45770.0 | 56180.0 | 0.422 | 228.6 | -24.4 | -1.87 | 1.396 | 81.5 | 0.937 | 15.518 | 17.6 | 178.9 | 0.971D | 30.066A | 3.44 | 0.048 | 106.2 | 53.6 | 25.1 | 0.138 |
| | | 8.92 | 4.76 | 13.68 | ONE | 29.011 | 325.0 | -17.5 | 83.9 | | | | | | | | | | |
| 45780.0 | 56180.0 | 0.467 | 225.3 | -20.9 | -1.25 | 1.394 | 76.7 | 0.939 | 15.502 | 27.6 | 178.9 | 0.941D | 30.063A | 2.77 | 0.047 | 106.1 | 53.5 | 24.8 | 0.139 |
| | | 9.96 | 4.76 | 14.72 | ONE | 29.011 | 325.0 | -17.5 | 84.0 | | | | | | | | | | |
| 45790.0 | 56180.0 | 0.527 | 224.0 | -19.3 | -0.96 | 1.392 | 71.8 | 0.942 | 15.478 | 37.5 | 179.0 | 0.899D | 30.058A | 2.42 | 0.046 | 106.1 | 53.4 | 24.6 | 0.140 |
| | | 11.40 | 4.77 | 16.17 | ONE | 29.011 | 325.0 | -17.5 | 84.2 | | | | | | | | | | |
| 45800.0 | 56180.0 | 0.597 | 224.6 | -18.7 | -0.80 | 1.390 | 67.0 | 0.945 | 15.448 | 47.4 | 179.0 | 0.844D | 30.052A | 2.20 | 0.044 | 106.0 | 53.2 | 24.5 | 0.141 |
| | | 13.13 | 4.78 | 17.92 | ONE | 29.011 | 325.0 | -17.5 | 84.4 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | ARRIVAL DATE = 2447940.0 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448140.0 | | | | | | | | | | |
| 46110.0 | 48140.0 | 0.628 | 254.7 | -19.5 | 1.27 | 1.612 | 97.7 | 1.556 | -1.749 | 347.4 | 486.1 | 0.973 | NA | 0.61 | 0.799 | 176.3 | 83.3 | 28.7 | 0.809 |
| | | 13.91 | 17.91 | 31.82 | ONE | 29.685 | 273.8 | -28.7 | 9.2 | | | | | | | | | | |
| 46120.0 | 48140.0 | 0.604 | 249.4 | -19.2 | 1.07 | 1.611 | 91.8 | 1.569 | -1.738 | 357.1 | 485.7 | 0.989 | NA | 0.89 | 0.801 | 176.2 | 83.4 | 28.7 | 0.811 |
| | | 13.30 | 17.96 | 31.27 | ONE | 29.685 | 273.8 | -28.7 | 9.1 | | | | | | | | | | |
| 46130.0 | 48140.0 | 0.608 | 243.0 | -18.6 | 0.96 | 1.611 | 85.7 | 1.571 | -1.730 | 7.1 | 125.7 | 0.987D | NA | 1.11 | 0.803 | 176.2 | 83.4 | 28.7 | 0.813 |
| | | 13.40 | 18.01 | 31.41 | ONE | 29.685 | 273.8 | -28.7 | 9.1 | | | | | | | | | | |
| 46140.0 | 48140.0 | 0.642 | 236.8 | -17.7 | 0.89 | 1.610 | 79.4 | 1.561 | -1.724 | 17.4 | 126.0 | 0.967D | NA | 1.28 | 0.804 | 176.3 | 83.4 | 28.7 | 0.814 |
| | | 14.27 | 18.04 | 32.31 | ONE | 29.685 | 273.8 | -28.7 | 9.2 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448340.0 | | | | | | | | | | |
| 46100.0 | 48340.0 | 0.618 | 255.0 | -18.7 | 1.61 | 1.572 | 101.5 | 1.422 | -2.259 | 340.5 | 490.5 | 0.952 | NA | 0.18 | 0.713 | 176.0 | 83.3 | 28.6 | 0.725 |
| | | 13.66 | 15.79 | 29.45 | ONE | 30.397 | 275.2 | -28.7 | 10.4 | | | | | | | | | | |
| 46110.0 | 48340.0 | 0.578 | 250.8 | -18.9 | 1.25 | 1.572 | 95.9 | 1.436 | -2.243 | 350.0 | 489.9 | 0.979 | NA | 0.62 | 0.716 | 175.9 | 83.4 | 28.7 | 0.727 |
| | | 12.65 | 15.84 | 28.49 | ONE | 30.397 | 275.2 | -28.7 | 10.3 | | | | | | | | | | |
| 46120.0 | 48340.0 | 0.562 | 244.9 | -18.5 | 1.05 | 1.571 | 90.1 | 1.443 | -2.232 | 359.8 | 489.6 | 0.990 | NA | 0.91 | 0.717 | 175.9 | 83.4 | 28.7 | 0.728 |
| | | 12.24 | 15.88 | 28.12 | ONE | 30.397 | 275.2 | -28.7 | 10.3 | | | | | | | | | | |
| 46130.0 | 48340.0 | 0.573 | 238.3 | -17.7 | 0.93 | 1.570 | 84.2 | 1.442 | -2.223 | 9.9 | 129.7 | 0.983D | NA | 1.12 | 0.718 | 175.9 | 83.4 | 28.7 | 0.730 |
| | | 12.53 | 15.91 | 28.44 | ONE | 30.397 | 275.2 | -28.7 | 10.3 | | | | | | | | | | |
| 46140.0 | 48340.0 | 0.614 | 232.4 | -16.8 | 0.86 | 1.569 | 78.0 | 1.432 | -2.210 | 20.3 | 130.1 | 0.958D | NA | 1.29 | 0.719 | 176.0 | 83.4 | 28.7 | 0.731 |
| | | 13.55 | 15.93 | 29.49 | ONE | 30.397 | 275.2 | -28.7 | 10.3 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448540.0 | | | | | | | | | | |
| 46090.0 | 48540.0 | 0.628 | 254.6 | -16.9 | 2.42 | 1.542 | 105.2 | 1.320 | -2.893 | 333.4 | 494.7 | 0.925 | NA | -0.70 | 0.642 | 175.7 | 83.1 | 28.6 | 0.655 |
| | | 13.91 | 14.08 | 27.99 | ONE | 30.210 | 276.5 | -28.6 | 11.7 | | | | | | | | | | |
| 46100.0 | 48540.0 | 0.575 | 251.9 | -18.1 | 1.61 | 1.542 | 99.9 | 1.335 | -2.871 | 342.7 | 493.9 | 0.960 | NA | 0.19 | 0.644 | 175.6 | 83.3 | 28.6 | 0.657 |
| | | 12.58 | 14.12 | 26.70 | ONE | 30.210 | 276.5 | -28.6 | 11.6 | | | | | | | | | | |
| 46110.0 | 48540.0 | 0.541 | 247.2 | -18.2 | 1.23 | 1.541 | 94.4 | 1.344 | -2.852 | 352.3 | 493.4 | 0.982 | NA | 0.64 | 0.646 | 175.5 | 83.4 | 28.7 | 0.658 |
| | | 11.72 | 14.16 | 25.88 | ONE | 30.210 | 276.5 | -28.6 | 11.5 | | | | | | | | | | |
| 46120.0 | 48540.0 | 0.531 | 240.8 | -17.7 | 1.02 | 1.541 | 88.7 | 1.348 | -2.839 | 2.2 | 133.2 | 0.989D | NA | 0.92 | 0.647 | 175.5 | 83.4 | 28.7 | 0.659 |
| | | 11.48 | 14.19 | 25.66 | ONE | 30.210 | 276.5 | -28.6 | 11.5 | | | | | | | | | | |
| 46130.0 | 48540.0 | 0.549 | 234.2 | -16.8 | 0.90 | 1.539 | 82.9 | 1.346 | -2.830 | 12.4 | 133.4 | 0.979D | NA | 1.13 | 0.648 | 175.6 | 83.4 | 28.7 | 0.660 |
| | | 11.92 | 14.21 | 26.13 | ONE | 30.210 | 276.5 | -28.6 | 11.5 | | | | | | | | | | |
| 46140.0 | 48540.0 | 0.595 | 228.6 | -15.9 | 0.83 | 1.538 | 76.9 | 1.336 | -2.824 | 22.9 | 133.9 | 0.950D | NA | 1.30 | 0.648 | 175.6 | 83.3 | 28.7 | 0.661 |
| | | 13.07 | 14.23 | 27.30 | ONE | 30.210 | 276.5 | -28.6 | 11.5 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448740.0 | | | | | | | | | | |
| 46090.0 | 48740.0 | 0.591 | 252.3 | -16.2 | 2.47 | 1.518 | 103.8 | 1.255 | -3.657 | 335.3 | 497.8 | 0.934 | NA | -0.74 | 0.583 | 175.3 | 83.1 | 28.6 | 0.597 |
| | | 12.97 | 12.72 | 25.69 | ONE | 29.840 | 277.9 | -28.6 | 12.9 | | | | | | | | | | |
| 46100.0 | 48740.0 | 0.542 | 249.1 | -17.6 | 1.60 | 1.518 | 98.6 | 1.266 | -3.629 | 344.7 | 497.1 | 0.966 | NA | 0.19 | 0.585 | 175.2 | 83.3 | 28.6 | 0.599 |
| | | 11.74 | 12.75 | 24.50 | ONE | 29.840 | 277.9 | -28.6 | 12.8 | | | | | | | | | | |
| 46110.0 | 48740.0 | 0.512 | 243.8 | -17.6 | 1.21 | 1.517 | 93.2 | 1.273 | -3.607 | 354.4 | 496.7 | 0.985 | NA | 0.65 | 0.586 | 175.1 | 83.4 | 28.7 | 0.600 |
| | | 11.02 | 12.78 | 23.81 | ONE | 29.840 | 277.9 | -28.6 | 12.7 | | | | | | | | | | |
| 46120.0 | 48740.0 | 0.508 | 237.2 | -17.0 | 1.00 | 1.516 | 87.6 | 1.275 | -3.592 | 4.3 | 136.5 | 0.988D | NA | 0.94 | 0.587 | 175.1 | 83.4 | 28.7 | 0.601 |
| | | 10.92 | 12.80 | 23.72 | ONE | 29.840 | 277.9 | -28.6 | 12.7 | | | | | | | | | | |
| 46130.0 | 48740.0 | 0.531 | 230.6 | -16.0 | 0.87 | 1.515 | 81.8 | 1.272 | -3.582 | 14.6 | 136.8 | 0.974D | NA | 1.15 | 0.588 | 175.2 | 83.4 | 28.7 | 0.602 |
| | | 11.49 | 12.82 | 24.31 | ONE | 29.840 | 277.9 | -28.6 | 12.7 | | | | | | | | | | |
| 46140.0 | 48740.0 | 0.582 | 225.3 | -15.0 | 0.80 | 1.513 | 75.9 | 1.263 | -3.578 | 25.2 | 137.4 | 0.942D | NA | 1.31 | 0.588 | 175.3 | 83.3 | 28.7 | 0.602 |
| | | 12.74 | 12.83 | 25.58 | ONE | 29.840 | 277.9 | -28.6 | 12.8 | | | | | | | | | | |
| | | | | | | | | | ARRIVAL DATE = 2448940.0 | | | | | | | | | | |
| 46080.0 | 48940.0 | 0.632 | 253.1 | -7.2 | 6.66 | 1.499 | 107.6 | 1.193 | -4.658 | 327.7 | 501.5 | 0.901 | NA | -5.00 | 0.530 | 175.0 | 82.9 | 28.2 | 0.546 |
| | | 14.01 | 11.56 | 25.57 | ONE | 30.721 | 279.2 | -28.5 | 14.3 | | | | | | | | | | |
| 46090.0 | 48940.0 | 0.561 | 250.3 | -15.6 | 2.52 | 1.499 | 102.6 | 1.204 | -4.613 | 336.9 | 500.7 | 0.941 | NA | -0.80 | 0.532 | 174.9 | 83.1 | 28.6 | 0.548 |
| | | 12.22 | 11.59 | 23.81 | ONE | 30.721 | 279.2 | -28.5 | 14.2 | | | | | | | | | | |
| 46100.0 | 48940.0 | 0.515 | 246.6 | -17.1 | 1.59 | 1.499 | 97.4 | 1.212 | -4.579 | 346.4 | 500.0 | 0.971 | NA | 0.20 | 0.534 | 174.8 | 83.2 | 28.6 | 0.549 |
| | | 11.10 | 11.62 | 22.71 | ONE | 30.721 | 279.2 | -28.5 | 14.0 | | | | | | | | | | |
| 46110.0 | 48940.0 | 0.490 | 240.8 | -17.0 | 1.19 | 1.498 | 92.1 | 1.217 | -4.553 | 356.2 | 499.7 | 0.986 | NA | 0.67 | 0.535 | 174.7 | 83.3 | 28.7 | 0.550 |
| | | 10.49 | 11.64 | 22.13 | ONE | 30.721 | 279.2 | -28.5 | 14.0 | | | | | | | | | | |
| 46120.0 | 48940.0 | 0.491 | 243.9 | -16.3 | 0.97 | 1.497 | 86.6 | 1.217 | -4.535 | 6.2 | 139.6 | 0.986D | NA | 0.96 | 0.536 | 174.7 | 83.3 | 28.7 | 0.551 |
| | | 10.51 | 11.66 | 22.16 | ONE | 30.721 | 279.2 | -28.5 | 13.9 | | | | | | | | | | |
| 46130.0 | 48940.0 | 0.519 | 227.5 | -15.2 | 0.85 | 1.496 | 80.9 | 1.214 | -4.526 | 16.6 | 139.9 | 0.969D | NA | 1.16 | 0.536 | 174.8 | 83.3 | 28.7 | 0.551 |
| | | 11.19 | 11.67 | 22.86 | ONE | 30.721 | 279.2 | -28.5 | 14.0 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 V 1 PSI 1 ECCEN LEG CDIST RAS DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46140.0 | 48940.0 | 0.573 | 222.7 | -14.3 | 0.77 1.494 75.1 1.207 | -4.523 | 27.2 | 140.5 | 0.935D | NA | 1.32 | 0.536 | 174.9 | 83.2 | 28.7 | 0.552 |
| | | 12.51 | 11.68 | 24.19 | ONE 30.721 279.2 -28.5 | 14.1 | | | | | | | | | | |
| 46150.0 | 48940.0 | 0.647 | 219.9 | -13.9 | 0.73 1.492 69.2 1.195 | -4.526 | 38.1 | 141.6 | 0.882D | NA | 1.46 | 0.536 | 175.1 | 83.0 | 28.7 | 0.552 |
| | | 14.39 | 11.69 | 26.08 | ONE 30.721 279.2 -28.5 | 14.2 | | | | | | | | | | |
| ARRIVAL DATE = 2449140.0 | | | | | | | | | | | | | | | | |
| 46080.0 | 49140.0 | 0.612 | 252.4 | -3.8 | 7.87 1.484 106.6 1.154 | -5.888 | 329.0 | 504.1 | 0.908 | NA | -6.20 | 0.486 | 174.5 | 82.8 | 28.0 | 0.504 |
| | | 13.52 | 10.62 | 24.13 | ONE 29.379 280.6 -28.4 | 15.6 | | | | | | | | | | |
| 46090.0 | 49140.0 | 0.537 | 248.5 | -14.9 | 2.59 1.484 101.6 1.162 | -5.831 | 338.4 | 503.3 | 0.947 | NA | -0.86 | 0.488 | 174.4 | 83.0 | 28.5 | 0.505 |
| | | 11.63 | 10.64 | 22.27 | ONE 29.379 280.6 -28.4 | 15.4 | | | | | | | | | | |
| 46100.0 | 49140.0 | 0.494 | 244.2 | -16.5 | 1.58 1.484 96.5 1.168 | -5.786 | 348.0 | 502.7 | 0.974 | NA | 0.21 | 0.489 | 174.3 | 83.1 | 28.6 | 0.506 |
| | | 10.59 | 10.66 | 21.25 | ONE 29.379 280.6 -28.4 | 15.3 | | | | | | | | | | |
| 46110.0 | 49140.0 | 0.473 | 238.1 | -16.5 | 1.16 1.483 91.2 1.172 | -5.755 | 357.8 | 502.5 | 0.987 | NA | 0.69 | 0.490 | 174.3 | 83.2 | 28.7 | 0.507 |
| | | 10.08 | 10.68 | 20.77 | ONE 29.379 280.6 -28.4 | 15.2 | | | | | | | | | | |
| 46120.0 | 49140.0 | 0.478 | 231.2 | -15.6 | 0.94 1.482 85.7 1.172 | -5.735 | 7.9 | 142.5 | 0.985D | NA | 0.98 | 0.491 | 174.3 | 83.2 | 28.7 | 0.507 |
| | | 10.20 | 10.70 | 20.90 | ONE 29.379 280.6 -28.4 | 15.2 | | | | | | | | | | |
| 46130.0 | 49140.0 | 0.510 | 224.9 | -14.6 | 0.82 1.480 80.2 1.169 | -5.726 | 18.2 | 142.8 | 0.965D | NA | 1.18 | 0.491 | 174.4 | 83.2 | 28.7 | 0.508 |
| | | 10.97 | 10.71 | 21.67 | ONE 29.379 280.6 -28.4 | 15.3 | | | | | | | | | | |
| 46140.0 | 49140.0 | 0.566 | 220.4 | -13.8 | 0.74 1.478 74.4 1.162 | -5.726 | 28.9 | 143.4 | 0.928D | NA | 1.33 | 0.491 | 174.5 | 83.0 | 28.7 | 0.508 |
| | | 12.35 | 10.71 | 23.06 | ONE 29.379 280.6 -28.4 | 15.4 | | | | | | | | | | |
| 46150.0 | 49140.0 | 0.641 | 218.0 | -13.4 | 0.70 1.476 68.6 1.152 | -5.734 | 39.8 | 144.5 | 0.873D | NA | 1.47 | 0.491 | 174.7 | 82.8 | 28.7 | 0.509 |
| | | 14.26 | 10.72 | 24.97 | ONE 29.379 280.6 -28.4 | 15.5 | | | | | | | | | | |
| ARRIVAL DATE = 2449340.0 | | | | | | | | | | | | | | | | |
| 46070.0 | 49340.0 | 0.643 | 245.7 | -33.9 | -5.62 1.472 110.6 1.114 | -7.583 | 320.9 | 507.4 | 0.867 | NA | 7.24 | 0.445 | 174.2 | 82.3 | 29.3 | 0.465 |
| | | 14.29 | 9.80 | 24.09 | TWO 31.061 281.9 -28.3 | 17.2 | | | | | | | | | | |
| 46080.0 | 49340.0 | 0.604 | 252.4 | 1.3 | 9.83 1.472 105.8 1.122 | -7.488 | 330.2 | 506.5 | 0.915 | NA | -8.15 | 0.447 | 174.1 | 82.7 | 27.8 | 0.466 |
| | | 13.31 | 9.83 | 23.13 | ONE 31.061 281.9 -28.3 | 17.0 | | | | | | | | | | |
| 46090.0 | 49340.0 | 0.517 | 246.9 | -14.2 | 2.66 1.472 100.8 1.128 | -7.411 | 339.6 | 505.8 | 0.952 | NA | -0.93 | 0.449 | 174.0 | 82.9 | 28.5 | 0.467 |
| | | 11.15 | 9.84 | 21.00 | ONE 31.061 281.9 -28.3 | 16.7 | | | | | | | | | | |
| 46100.0 | 49340.0 | 0.477 | 242.2 | -16.1 | 1.57 1.471 95.7 1.133 | -7.354 | 349.3 | 505.3 | 0.977 | NA | 0.22 | 0.450 | 173.9 | 83.0 | 28.6 | 0.468 |
| | | 10.18 | 9.86 | 20.05 | ONE 31.061 281.9 -28.3 | 16.6 | | | | | | | | | | |
| 46110.0 | 49340.0 | 0.459 | 235.8 | -16.0 | 1.14 1.470 90.4 1.135 | -7.314 | 359.2 | 505.0 | 0.987 | NA | 0.71 | 0.451 | 173.9 | 83.0 | 28.7 | 0.469 |
| | | 9.77 | 9.88 | 19.64 | ONE 31.061 281.9 -28.3 | 16.6 | | | | | | | | | | |
| 46120.0 | 49340.0 | 0.468 | 228.8 | -15.1 | 0.92 1.469 85.0 1.135 | -7.291 | 9.3 | 145.1 | 0.983D | NA | 1.00 | 0.451 | 173.9 | 83.0 | 28.7 | 0.469 |
| | | 9.97 | 9.89 | 19.86 | ONE 31.061 281.9 -28.3 | 16.6 | | | | | | | | | | |
| 46130.0 | 49340.0 | 0.503 | 222.7 | -14.0 | 0.79 1.467 79.5 1.132 | -7.283 | 19.7 | 145.4 | 0.961D | NA | 1.20 | 0.451 | 174.0 | 83.0 | 28.7 | 0.470 |
| | | 10.80 | 9.89 | 20.70 | ONE 31.061 281.9 -28.3 | 16.6 | | | | | | | | | | |
| 46140.0 | 49340.0 | 0.561 | 218.6 | -13.3 | 0.71 1.466 73.9 1.127 | -7.289 | 30.4 | 146.1 | 0.922D | NA | 1.35 | 0.451 | 174.1 | 82.8 | 28.7 | 0.470 |
| | | 12.23 | 9.90 | 22.13 | ONE 31.061 281.9 -28.3 | 16.7 | | | | | | | | | | |
| 46150.0 | 49340.0 | 0.637 | 216.5 | -13.0 | 0.66 1.464 68.1 1.119 | -7.306 | 41.3 | 147.1 | 0.867D | NA | 1.47 | 0.451 | 174.3 | 82.6 | 28.7 | 0.470 |
| | | 14.15 | 9.91 | 24.06 | ONE 31.061 281.9 -28.3 | 16.9 | | | | | | | | | | |
| ARRIVAL DATE = 2449540.0 | | | | | | | | | | | | | | | | |
| 46070.0 | 49540.0 | 0.620 | 244.9 | -31.6 | -4.51 1.462 109.9 1.090 | -9.760 | 321.9 | 509.6 | 0.874 | NA | 6.13 | 0.411 | 173.7 | 82.1 | 29.2 | 0.432 |
| | | 13.72 | 9.13 | 22.85 | TWO 29.149 283.2 -28.2 | 18.5 | | | | | | | | | | |
| 46080.0 | 49540.0 | 0.619 | 253.8 | 10.0 | 13.59 1.462 105.0 1.096 | -9.627 | 331.3 | 508.7 | 0.920 | NA | -11.91 | 0.413 | 173.6 | 82.4 | 27.3 | 0.434 |
| | | 13.68 | 9.16 | 22.84 | ONE 29.149 283.2 -28.2 | 18.4 | | | | | | | | | | |
| 46090.0 | 49540.0 | 0.502 | 245.6 | -13.5 | 2.75 1.462 100.1 1.100 | -9.522 | 340.7 | 508.0 | 0.956 | NA | -1.02 | 0.414 | 173.5 | 82.7 | 28.5 | 0.434 |
| | | 10.77 | 9.17 | 19.94 | ONE 29.149 283.2 -28.2 | 18.1 | | | | | | | | | | |
| 46100.0 | 49540.0 | 0.463 | 240.4 | -15.7 | 1.56 1.461 95.0 1.104 | -9.444 | 350.4 | 507.6 | 0.979 | NA | 0.23 | 0.415 | 173.4 | 82.8 | 28.6 | 0.435 |
| | | 9.86 | 9.18 | 19.04 | ONE 29.149 283.2 -28.2 | 18.0 | | | | | | | | | | |
| 46110.0 | 49540.0 | 0.448 | 233.8 | -15.4 | 1.11 1.460 89.8 1.105 | -9.393 | 0.4 | 147.4 | 0.987D | NA | 0.74 | 0.416 | 173.4 | 82.8 | 28.7 | 0.435 |
| | | 9.52 | 9.19 | 18.71 | ONE 29.149 283.2 -28.2 | 17.9 | | | | | | | | | | |
| 46120.0 | 49540.0 | 0.460 | 226.7 | -14.6 | 0.88 1.459 84.5 1.105 | -9.365 | 10.5 | 147.5 | 0.981D | NA | 1.02 | 0.416 | 173.4 | 82.8 | 28.7 | 0.436 |
| | | 9.79 | 9.20 | 18.99 | ONE 29.149 283.2 -28.2 | 17.9 | | | | | | | | | | |
| 46130.0 | 49540.0 | 0.498 | 220.9 | -13.6 | 0.76 1.457 79.0 1.102 | -9.361 | 20.9 | 147.8 | 0.958D | NA | 1.21 | 0.416 | 173.5 | 82.8 | 28.7 | 0.436 |
| | | 10.68 | 9.21 | 19.89 | ONE 29.149 283.2 -28.2 | 18.0 | | | | | | | | | | |
| 46140.0 | 49540.0 | 0.557 | 217.0 | -12.9 | 0.68 1.455 73.5 1.098 | -9.376 | 31.6 | 148.5 | 0.918D | NA | 1.36 | 0.416 | 173.6 | 82.6 | 28.7 | 0.436 |
| | | 12.14 | 9.21 | 21.35 | ONE 29.149 283.2 -28.2 | 18.1 | | | | | | | | | | |
| 46150.0 | 49540.0 | 0.634 | 215.3 | -12.7 | 0.63 1.453 67.8 1.091 | -9.408 | 42.5 | 149.5 | 0.861D | NA | 1.48 | 0.415 | 173.9 | 82.4 | 28.7 | 0.437 |
| | | 14.06 | 9.22 | 23.28 | ONE 29.149 283.2 -28.2 | 18.3 | | | | | | | | | | |
| ARRIVAL DATE = 2449740.0 | | | | | | | | | | | | | | | | |
| 46070.0 | 49740.0 | 0.603 | 244.2 | -29.9 | -3.68 1.453 109.3 1.069 | -12.796 | 322.7 | 511.6 | 0.879 | NA | 5.32 | 0.380 | 173.2 | 81.9 | 29.1 | 0.403 |
| | | 13.27 | 8.56 | 21.82 | TWO 31.124 284.6 -28.0 | 19.9 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46090.0 | 49740.0 | 0.489 | 244.4 | -12.8 | 2.86 | 1.453 | 99.5 | 1.077 | -12.450 | 341.6 | 510.1 | 0.958 | NA | -1.12 | 0.383 | 173.0 | 82.4 | 28.5 | 0.405 |
| | | 10.46 | 8.59 | 19.05 | ONE | 31.124 | 284.6 | -28.0 | 19.5 | | | | | | | | | | |
| 46100.0 | 49740.0 | 0.452 | 238.9 | -15.3 | 1.54 | 1.453 | 94.5 | 1.079 | -12.340 | 351.4 | 509.7 | 0.980 | NA | 0.24 | 0.384 | 172.9 | 82.5 | 28.6 | 0.405 |
| | | 9.60 | 8.60 | 18.20 | ONE | 31.124 | 284.6 | -28.0 | 19.4 | | | | | | | | | | |
| 46110.0 | 49740.0 | 0.439 | 232.1 | -15.2 | 1.08 | 1.452 | 89.3 | 1.080 | -12.269 | 1.4 | 149.6 | 0.987D | NA | 0.76 | 0.384 | 172.9 | 82.6 | 28.7 | 0.406 |
| | | 9.32 | 8.61 | 17.93 | ONE | 31.124 | 284.6 | -28.0 | 19.3 | | | | | | | | | | |
| 46120.0 | 49740.0 | 0.454 | 225.0 | -14.2 | 0.85 | 1.450 | 84.0 | 1.080 | -12.237 | 11.6 | 149.7 | 0.979D | NA | 1.04 | 0.385 | 172.9 | 82.6 | 28.7 | 0.406 |
| | | 9.65 | 8.62 | 18.26 | ONE | 31.124 | 284.6 | -28.0 | 19.3 | | | | | | | | | | |
| 46130.0 | 49740.0 | 0.494 | 219.4 | -13.2 | 0.72 | 1.448 | 78.6 | 1.078 | -12.238 | 22.0 | 150.1 | 0.955D | NA | 1.23 | 0.385 | 173.0 | 82.5 | 28.7 | 0.406 |
| | | 10.58 | 8.62 | 19.20 | ONE | 31.124 | 284.6 | -28.0 | 19.4 | | | | | | | | | | |
| 46140.0 | 49740.0 | 0.554 | 215.8 | -12.5 | 0.65 | 1.446 | 73.1 | 1.074 | -12.270 | 32.6 | 150.7 | 0.913D | NA | 1.38 | 0.384 | 173.2 | 82.3 | 28.7 | 0.407 |
| | | 12.06 | 8.63 | 20.69 | ONE | 31.124 | 284.6 | -28.0 | 19.6 | | | | | | | | | | |
| 46150.0 | 49740.0 | 0.631 | 214.3 | -12.4 | 0.60 | 1.444 | 67.5 | 1.069 | -12.329 | 43.5 | 151.7 | 0.856D | NA | 1.49 | 0.384 | 173.4 | 82.1 | 28.7 | 0.407 |
| | | 13.99 | 8.63 | 22.62 | ONE | 31.124 | 284.6 | -28.0 | 19.8 | | | | | | | | | | |
| ARRIVAL DATE = 2449940.0 | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 49940.0 | 0.588 | 243.7 | -28.5 | -3.05 | 1.446 | 108.8 | 1.051 | -17.276 | 323.3 | 513.4 | 0.884 | NA | 4.70 | 0.352 | 172.7 | 81.6 | 29.1 | 0.377 |
| | | 12.90 | 8.07 | 20.97 | TWO | 29.216 | 285.9 | -27.9 | 21.4 | | | | | | | | | | |
| 46090.0 | 49940.0 | 0.478 | 243.5 | -12.1 | 2.99 | 1.446 | 99.0 | 1.057 | -16.736 | 342.4 | 512.1 | 0.961 | NA | -1.25 | 0.355 | 172.5 | 82.1 | 28.4 | 0.378 |
| | | 10.22 | 8.09 | 18.31 | ONE | 29.216 | 285.9 | -27.9 | 20.9 | | | | | | | | | | |
| 46100.0 | 49940.0 | 0.443 | 237.6 | -15.0 | 1.53 | 1.445 | 94.0 | 1.059 | -16.569 | 352.2 | 511.7 | 0.981 | NA | 0.26 | 0.356 | 172.4 | 82.3 | 28.6 | 0.379 |
| | | 9.39 | 8.11 | 17.50 | ONE | 29.216 | 285.9 | -27.9 | 20.8 | | | | | | | | | | |
| 46110.0 | 49940.0 | 0.432 | 230.6 | -14.9 | 1.05 | 1.444 | 88.9 | 1.060 | -16.467 | 2.2 | 151.6 | 0.987D | NA | 0.79 | 0.356 | 172.4 | 82.3 | 28.7 | 0.379 |
| | | 9.16 | 8.11 | 17.27 | ONE | 29.216 | 285.9 | -27.9 | 20.8 | | | | | | | | | | |
| 46120.0 | 49940.0 | 0.449 | 223.6 | -13.9 | 0.82 | 1.443 | 83.6 | 1.060 | -16.476 | 12.4 | 151.7 | 0.978D | NA | 1.07 | 0.357 | 172.4 | 82.3 | 28.7 | 0.380 |
| | | 9.53 | 8.12 | 17.65 | ONE | 29.216 | 285.9 | -27.9 | 20.8 | | | | | | | | | | |
| 46130.0 | 49940.0 | 0.490 | 218.1 | -12.9 | 0.69 | 1.441 | 78.3 | 1.058 | -16.440 | 22.8 | 152.1 | 0.952D | NA | 1.25 | 0.357 | 172.5 | 82.2 | 28.7 | 0.380 |
| | | 10.50 | 8.12 | 18.62 | ONE | 29.216 | 285.9 | -27.9 | 20.9 | | | | | | | | | | |
| 46140.0 | 49940.0 | 0.552 | 214.8 | -12.3 | 0.61 | 1.439 | 72.8 | 1.055 | -16.505 | 33.4 | 152.7 | 0.910D | NA | 1.39 | 0.356 | 172.7 | 82.0 | 28.7 | 0.380 |
| | | 11.99 | 8.13 | 20.12 | ONE | 29.216 | 285.9 | -27.9 | 21.0 | | | | | | | | | | |
| 46150.0 | 49940.0 | 0.628 | 213.5 | -12.2 | 0.57 | 1.437 | 67.3 | 1.051 | -16.613 | 44.3 | 153.6 | 0.852D | NA | 1.50 | 0.356 | 172.9 | 81.7 | 28.7 | 0.380 |
| | | 13.92 | 8.13 | 22.05 | ONE | 29.216 | 285.9 | -27.9 | 21.3 | | | | | | | | | | |
| ARRIVAL DATE = 2450140.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 50140.0 | 0.642 | 242.5 | -23.9 | -1.37 | 1.440 | 113.1 | 1.033 | -25.140 | 314.5 | 516.0 | 0.834 | NA | 2.97 | 0.326 | 172.4 | 80.9 | 28.9 | 0.353 |
| | | 14.28 | 7.63 | 21.91 | TWO | 30.887 | 287.2 | -27.7 | 23.2 | | | | | | | | | | |
| 46070.0 | 50140.0 | 0.577 | 243.3 | -27.3 | -2.56 | 1.440 | 108.4 | 1.036 | -24.470 | 323.9 | 515.1 | 0.887 | NA | 4.21 | 0.327 | 172.2 | 81.2 | 29.0 | 0.354 |
| | | 12.61 | 7.65 | 20.26 | TWO | 30.887 | 287.2 | -27.7 | 22.9 | | | | | | | | | | |
| 46090.0 | 50140.0 | 0.470 | 242.7 | -11.3 | 3.15 | 1.440 | 98.7 | 1.041 | -23.535 | 343.0 | 513.9 | 0.963 | NA | -1.41 | 0.330 | 171.9 | 81.8 | 28.4 | 0.355 |
| | | 10.02 | 7.67 | 17.69 | ONE | 30.887 | 287.2 | -27.7 | 22.4 | | | | | | | | | | |
| 46100.0 | 50140.0 | 0.435 | 236.6 | -14.8 | 1.51 | 1.439 | 93.6 | 1.042 | -23.256 | 352.9 | 513.6 | 0.982 | NA | 0.27 | 0.331 | 171.8 | 81.9 | 28.6 | 0.355 |
| | | 9.22 | 7.68 | 16.90 | ONE | 30.887 | 287.2 | -27.7 | 22.3 | | | | | | | | | | |
| 46110.0 | 50140.0 | 0.427 | 229.4 | -14.7 | 1.02 | 1.438 | 88.5 | 1.043 | -23.093 | 2.9 | 153.5 | 0.987D | NA | 0.82 | 0.331 | 171.8 | 82.0 | 28.7 | 0.356 |
| | | 9.03 | 7.68 | 16.71 | ONE | 30.887 | 287.2 | -27.7 | 22.3 | | | | | | | | | | |
| 46120.0 | 50140.0 | 0.445 | 222.5 | -13.7 | 0.79 | 1.437 | 83.3 | 1.042 | -23.038 | 13.1 | 153.6 | 0.976D | NA | 1.10 | 0.331 | 171.9 | 81.9 | 28.7 | 0.356 |
| | | 9.43 | 7.69 | 17.12 | ONE | 30.887 | 287.2 | -27.7 | 22.3 | | | | | | | | | | |
| 46130.0 | 50140.0 | 0.487 | 217.2 | -12.7 | 0.66 | 1.435 | 78.0 | 1.041 | -23.083 | 23.5 | 154.0 | 0.950D | NA | 1.28 | 0.331 | 172.0 | 81.8 | 28.7 | 0.356 |
| | | 10.42 | 7.69 | 18.12 | ONE | 30.887 | 287.2 | -27.7 | 22.4 | | | | | | | | | | |
| 46140.0 | 50140.0 | 0.549 | 214.0 | -12.1 | 0.58 | 1.433 | 72.6 | 1.039 | -23.218 | 34.1 | 154.6 | 0.907D | NA | 1.41 | 0.331 | 172.2 | 81.6 | 28.7 | 0.356 |
| | | 11.93 | 7.70 | 19.62 | ONE | 30.887 | 287.2 | -27.7 | 22.6 | | | | | | | | | | |
| 46150.0 | 50140.0 | 0.625 | 212.9 | -12.1 | 0.53 | 1.431 | 67.1 | 1.036 | -23.433 | 44.9 | 155.5 | 0.849D | NA | 1.51 | 0.330 | 172.4 | 81.3 | 28.7 | 0.357 |
| | | 13.85 | 7.70 | 21.55 | ONE | 30.887 | 287.2 | -27.7 | 22.8 | | | | | | | | | | |
| ARRIVAL DATE = 2450340.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 50340.0 | 0.633 | 242.2 | -23.6 | -1.20 | 1.435 | 112.8 | 1.021 | -39.193 | 314.9 | 517.5 | 0.837 | NA | 2.82 | 0.303 | 171.8 | 80.5 | 28.8 | 0.332 |
| | | 14.05 | 7.27 | 21.32 | TWO | 29.560 | 288.6 | -27.5 | 24.7 | | | | | | | | | | |
| 46070.0 | 50340.0 | 0.567 | 243.0 | -26.4 | -2.15 | 1.435 | 108.1 | 1.024 | -37.765 | 324.3 | 516.7 | 0.890 | NA | 3.81 | 0.305 | 171.6 | 80.8 | 29.0 | 0.333 |
| | | 12.38 | 7.28 | 19.66 | TWO | 29.560 | 288.6 | -27.5 | 24.4 | | | | | | | | | | |
| 46080.0 | 50340.0 | 0.560 | 238.0 | -51.1 | -11.63 | 1.435 | 103.3 | 1.025 | -36.657 | 333.8 | 516.1 | 0.932 | NA | 13.33 | 0.306 | 171.4 | 80.8 | 30.3 | 0.334 |
| | | 12.21 | 7.30 | 19.51 | TWO | 29.560 | 288.6 | -27.5 | 24.4 | | | | | | | | | | |
| 46090.0 | 50340.0 | 0.463 | 242.2 | -10.5 | 3.36 | 1.435 | 98.3 | 1.027 | -35.839 | 343.5 | 515.6 | 0.964 | NA | -1.62 | 0.307 | 171.3 | 81.4 | 28.3 | 0.334 |
| | | 9.86 | 7.30 | 17.16 | ONE | 29.560 | 288.6 | -27.5 | 24.0 | | | | | | | | | | |
| 46100.0 | 50340.0 | 0.429 | 235.7 | -14.6 | 1.49 | 1.434 | 93.3 | 1.028 | -35.286 | 353.4 | 515.3 | 0.982 | NA | 0.29 | 0.308 | 171.2 | 81.5 | 28.6 | 0.334 |
| | | 9.08 | 7.31 | 16.38 | ONE | 29.560 | 288.6 | -27.5 | 23.8 | | | | | | | | | | |
| 46110.0 | 50340.0 | 0.422 | 228.5 | -14.5 | 0.98 | 1.433 | 88.3 | 1.028 | -34.977 | 3.4 | 155.2 | 0.987D | NA | 0.85 | 0.308 | 171.2 | 81.6 | 28.7 | 0.334 |
| | | 8.92 | 7.31 | 16.23 | ONE | 29.560 | 288.6 | -27.5 | 23.8 | | | | | | | | | | |

1985
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46120.0 | 50340.0 | 0.441 | 221.6 | -13.5 | 0.75 | 1.432 | 83.1 | 1.028 | -34.895 | 13.7 | 155.4 | 0.975D | NA | 1.12 | 0.308 | 171.3 | 81.5 | 28.7 | 0.335 |
| | | 9.35 | 7.32 | 16.67 | ONE | 29.560 | 288.6 | -27.5 | 23.8 | | | | | | | | | | |
| 46130.0 | 50340.0 | 0.484 | 216.4 | -12.5 | 0.62 | 1.430 | 77.8 | 1.027 | -35.022 | 24.0 | 155.7 | 0.948D | NA | 1.30 | 0.308 | 171.4 | 81.4 | 28.7 | 0.335 |
| | | 10.36 | 7.32 | 17.68 | ONE | 29.560 | 288.6 | -27.5 | 23.9 | | | | | | | | | | |
| 46140.0 | 50340.0 | 0.547 | 213.4 | -12.0 | 0.54 | 1.428 | 72.5 | 1.026 | -35.342 | 34.6 | 156.3 | 0.905D | NA | 1.43 | 0.308 | 171.6 | 81.2 | 28.7 | 0.335 |
| | | 11.87 | 7.32 | 19.19 | ONE | 29.560 | 288.6 | -27.5 | 24.1 | | | | | | | | | | |
| 46150.0 | 50340.0 | 0.623 | 212.5 | -12.0 | 0.50 | 1.426 | 67.0 | 1.024 | -35.835 | 45.4 | 157.1 | 0.847D | NA | 1.53 | 0.307 | 171.9 | 80.9 | 28.7 | 0.335 |
| | | 13.78 | 7.33 | 21.11 | ONE | 29.560 | 288.6 | -27.5 | 24.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450540.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 50540.0 | 0.626 | 242.0 | -23.2 | -1.06 | 1.431 | 112.6 | 1.011 | -74.725 | 315.2 | 519.0 | 0.840 | NA | 2.69 | 0.282 | 171.2 | 80.0 | 28.8 | 0.313 |
| | | 13.86 | 6.96 | 20.82 | TWO | 30.423 | 289.9 | -27.3 | 26.3 | | | | | | | | | | |
| 46070.0 | 50540.0 | 0.560 | 242.8 | -25.6 | -1.82 | 1.431 | 107.8 | 1.013 | -70.210 | 324.6 | 518.2 | 0.892 | NA | 3.49 | 0.284 | 171.0 | 80.4 | 29.0 | 0.314 |
| | | 12.19 | 6.97 | 19.15 | TWO | 30.423 | 289.9 | -27.3 | 26.0 | | | | | | | | | | |
| 46080.0 | 50540.0 | 0.520 | 239.2 | -40.2 | -7.09 | 1.431 | 103.0 | 1.014 | -66.873 | 334.1 | 517.6 | 0.934 | NA | 8.80 | 0.285 | 170.8 | 80.5 | 29.7 | 0.315 |
| | | 11.22 | 6.98 | 18.20 | TWO | 30.423 | 289.9 | -27.3 | 25.9 | | | | | | | | | | |
| 46090.0 | 50540.0 | 0.458 | 241.9 | -9.4 | 3.65 | 1.431 | 98.1 | 1.015 | -64.507 | 343.9 | 517.2 | 0.965 | NA | -1.90 | 0.286 | 170.7 | 81.0 | 28.2 | 0.315 |
| | | 9.74 | 6.98 | 16.72 | ONE | 30.423 | 289.9 | -27.3 | 25.6 | | | | | | | | | | |
| 46100.0 | 50540.0 | 0.424 | 235.0 | -14.5 | 1.47 | 1.430 | 93.1 | 1.016 | -62.967 | 353.8 | 516.9 | 0.983 | NA | 0.31 | 0.287 | 170.6 | 81.1 | 28.6 | 0.315 |
| | | 8.96 | 6.99 | 15.95 | ONE | 30.423 | 289.9 | -27.3 | 25.4 | | | | | | | | | | |
| 46110.0 | 50540.0 | 0.418 | 227.7 | -14.5 | 0.94 | 1.429 | 88.1 | 1.016 | -62.153 | 3.9 | 156.8 | 0.986D | NA | 0.88 | 0.287 | 170.6 | 81.1 | 28.6 | 0.315 |
| | | 8.82 | 6.99 | 15.82 | ONE | 30.423 | 289.9 | -27.3 | 25.4 | | | | | | | | | | |
| 46120.0 | 50540.0 | 0.438 | 220.9 | -13.4 | 0.71 | 1.427 | 82.9 | 1.016 | -61.996 | 14.1 | 157.0 | 0.975D | NA | 1.16 | 0.287 | 170.7 | 81.1 | 28.7 | 0.316 |
| | | 9.28 | 7.00 | 16.27 | ONE | 30.423 | 289.9 | -27.3 | 25.4 | | | | | | | | | | |
| 46130.0 | 50540.0 | 0.482 | 215.8 | -12.4 | 0.58 | 1.426 | 77.7 | 1.015 | -62.448 | 24.5 | 157.3 | 0.947D | NA | 1.32 | 0.287 | 170.8 | 80.9 | 28.7 | 0.316 |
| | | 10.30 | 7.00 | 17.30 | ONE | 30.423 | 289.9 | -27.3 | 25.5 | | | | | | | | | | |
| 46140.0 | 50540.0 | 0.544 | 212.9 | -11.9 | 0.51 | 1.424 | 72.4 | 1.014 | -63.473 | 35.0 | 157.9 | 0.904D | NA | 1.44 | 0.287 | 171.0 | 80.7 | 28.7 | 0.316 |
| | | 11.80 | 7.00 | 18.81 | ONE | 30.423 | 289.9 | -27.3 | 25.7 | | | | | | | | | | |
| 46150.0 | 50540.0 | 0.620 | 212.1 | -11.9 | 0.46 | 1.421 | 67.0 | 1.013 | -65.040 | 45.7 | 158.6 | 0.846D | NA | 1.54 | 0.286 | 171.3 | 80.4 | 28.7 | 0.316 |
| | | 13.71 | 7.01 | 20.72 | ONE | 30.423 | 289.9 | -27.3 | 26.0 | | | | | | | | | | |
| ARRIVAL DATE = 2450740.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 50740.0 | 0.620 | 241.9 | -23.0 | -0.93 | 1.427 | 112.4 | 1.003 | ******* | 315.3 | 520.3 | 0.841 | NA | 2.57 | 0.263 | 170.6 | 79.5 | 28.8 | 0.296 |
| | | 13.71 | 6.68 | 20.40 | TWO | 30.073 | 291.2 | -27.1 | 28.0 | | | | | | | | | | |
| 46070.0 | 50740.0 | 0.554 | 242.7 | -24.9 | -1.53 | 1.428 | 107.6 | 1.003 | ******* | 324.8 | 519.6 | 0.893 | NA | 3.21 | 0.265 | 170.4 | 79.9 | 28.9 | 0.297 |
| | | 12.04 | 6.69 | 18.73 | TWO | 30.073 | 291.2 | -27.1 | 27.7 | | | | | | | | | | |
| 46080.0 | 50740.0 | 0.504 | 239.9 | -34.3 | -4.84 | 1.427 | 102.8 | 1.004 | ******* | 334.4 | 519.1 | 0.935 | NA | 6.56 | 0.266 | 170.2 | 80.1 | 29.4 | 0.297 |
| | | 10.82 | 6.70 | 17.52 | TWO | 30.073 | 291.2 | -27.1 | 27.4 | | | | | | | | | | |
| 46090.0 | 50740.0 | 0.454 | 241.8 | -8.0 | 4.05 | 1.427 | 97.9 | 1.005 | ******* | 344.2 | 518.6 | 0.966 | NA | -2.30 | 0.267 | 170.0 | 80.5 | 28.1 | 0.297 |
| | | 9.66 | 6.70 | 16.37 | ONE | 30.073 | 291.2 | -27.1 | 27.2 | | | | | | | | | | |
| 46100.0 | 50740.0 | 0.419 | 234.5 | -14.4 | 1.45 | 1.426 | 93.0 | 1.005 | ******* | 354.1 | 518.4 | 0.983 | NA | 0.33 | 0.268 | 170.0 | 80.6 | 28.5 | 0.298 |
| | | 8.86 | 6.71 | 15.57 | ONE | 30.073 | 291.2 | -27.1 | 27.1 | | | | | | | | | | |
| 46110.0 | 50740.0 | 0.414 | 227.2 | -14.4 | 0.90 | 1.425 | 87.9 | 1.005 | ******* | 4.2 | 158.3 | 0.986D | NA | 0.92 | 0.268 | 170.0 | 80.6 | 28.6 | 0.298 |
| | | 8.75 | 6.71 | 15.46 | ONE | 30.073 | 291.2 | -27.1 | 27.0 | | | | | | | | | | |
| 46120.0 | 50740.0 | 0.435 | 220.4 | -13.4 | 0.67 | 1.424 | 82.8 | 1.005 | ******* | 14.4 | 158.5 | 0.974D | NA | 1.19 | 0.268 | 170.0 | 80.6 | 28.7 | 0.298 |
| | | 9.21 | 6.72 | 15.93 | ONE | 30.073 | 291.2 | -27.1 | 27.1 | | | | | | | | | | |
| 46130.0 | 50740.0 | 0.479 | 215.3 | -12.4 | 0.55 | 1.422 | 77.6 | 1.005 | ******* | 24.8 | 158.8 | 0.946D | NA | 1.35 | 0.268 | 170.2 | 80.4 | 28.7 | 0.298 |
| | | 10.24 | 6.72 | 16.96 | ONE | 30.073 | 291.2 | -27.1 | 27.2 | | | | | | | | | | |
| 46140.0 | 50740.0 | 0.542 | 212.6 | -11.9 | 0.47 | 1.420 | 72.3 | 1.005 | ******* | 35.3 | 159.3 | 0.903D | NA | 1.46 | 0.267 | 170.4 | 80.2 | 28.7 | 0.299 |
| | | 11.74 | 6.72 | 18.46 | ONE | 30.073 | 291.2 | -27.1 | 27.4 | | | | | | | | | | |
| 46150.0 | 50740.0 | 0.617 | 211.9 | -11.9 | 0.43 | 1.418 | 67.0 | 1.004 | ******* | 45.9 | 160.1 | 0.865D | NA | 1.55 | 0.267 | 170.7 | 79.9 | 28.6 | 0.299 |
| | | 13.63 | 6.73 | 20.36 | ONE | 30.073 | 291.2 | -27.1 | 27.7 | | | | | | | | | | |
| ARRIVAL DATE = 2450940.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 50940.0 | 0.616 | 241.9 | -22.7 | -0.81 | 1.424 | 112.2 | 0.995 | 169.367 | 315.4 | 521.6 | 0.842 | 337.891A | 2.46 | 0.246 | 169.9 | 78.9 | 28.7 | 0.281 |
| | | 13.60 | 6.45 | 20.04 | TWO | 29.867 | 292.5 | -26.9 | 29.7 | | | | | | | | | | |
| 46070.0 | 50940.0 | 0.549 | 242.7 | -24.3 | -1.29 | 1.424 | 107.5 | 0.995 | 192.151 | 324.9 | 520.9 | 0.894 | 383.407A | 2.98 | 0.247 | 169.7 | 79.3 | 28.8 | 0.281 |
| | | 11.92 | 6.45 | 18.37 | TWO | 29.867 | 292.5 | -26.9 | 29.4 | | | | | | | | | | |
| 46080.0 | 50940.0 | 0.494 | 240.4 | -30.8 | -3.51 | 1.424 | 102.7 | 0.996 | 215.950 | 334.6 | 520.4 | 0.936 | 430.964A | 5.22 | 0.249 | 169.5 | 79.5 | 29.2 | 0.281 |
| | | 10.60 | 6.46 | 17.06 | TWO | 29.867 | 292.5 | -26.9 | 29.1 | | | | | | | | | | |
| 46090.0 | 50940.0 | 0.453 | 242.0 | -6.0 | 4.68 | 1.424 | 97.8 | 0.996 | 238.448 | 344.4 | 520.0 | 0.966 | 475.930A | -2.93 | 0.249 | 169.3 | 79.9 | 27.9 | 0.282 |
| | | 9.63 | 6.46 | 16.09 | ONE | 29.867 | 292.5 | -26.9 | 28.9 | | | | | | | | | | |
| 46100.0 | 50940.0 | 0.416 | 234.2 | -14.4 | 1.42 | 1.423 | 92.8 | 0.996 | 256.398 | 354.3 | 519.8 | 0.983 | 511.813A | 0.36 | 0.250 | 169.3 | 80.0 | 28.5 | 0.282 |
| | | 8.78 | 6.47 | 15.25 | ONE | 29.867 | 292.5 | -26.9 | 28.7 | | | | | | | | | | |
| 46110.0 | 50940.0 | 0.411 | 226.8 | -14.5 | 0.85 | 1.422 | 87.8 | 0.996 | 266.571 | 4.4 | 159.7 | 0.986D | 532.155A | 0.96 | 0.250 | 169.3 | 80.1 | 28.6 | 0.282 |
| | | 8.68 | 6.47 | 15.15 | ONE | 29.867 | 292.5 | -26.9 | 28.7 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46120.0 | 50940.0 | 0.432 | 220.0 | -13.4 | 0.63 | 1.420 | 82.7 | 0.996 | 267.052 | 14.6 | 159.9 | 0.974D533.130A | | 1.22 | 0.250 | 169.3 | 80.0 | 28.6 | 0.282 |
| | | 9.15 | 6.47 | 15.62 | ONE | 29.867 | 292.5 | -26.9 | 28.7 | | | | | | | | | | |
| 46130.0 | 50940.0 | 0.477 | 215.0 | -12.4 | 0.51 | 1.419 | 77.6 | 0.996 | 258.256 | 24.9 | 160.2 | 0.946D515.566A | | 1.38 | 0.250 | 169.5 | 79.9 | 28.6 | 0.282 |
| | | 10.18 | 6.48 | 16.65 | ONE | 29.867 | 292.5 | -26.9 | 28.9 | | | | | | | | | | |
| 46140.0 | 50940.0 | 0.539 | 212.4 | -11.9 | 0.44 | 1.417 | 72.3 | 0.996 | 242.639 | 35.4 | 160.7 | 0.903D484.375A | | 1.49 | 0.250 | 169.7 | 79.6 | 28.6 | 0.283 |
| | | 11.67 | 6.48 | 18.15 | ONE | 29.867 | 292.5 | -26.9 | 29.1 | | | | | | | | | | |
| 46150.0 | 50940.0 | 0.614 | 211.7 | -12.0 | 0.39 | 1.414 | 67.0 | 0.996 | 223.447 | 46.0 | 161.4 | 0.845D446.048A | | 1.57 | 0.249 | 170.0 | 79.3 | 28.6 | 0.283 |
| | | 13.55 | 6.48 | 20.04 | ONE | 29.867 | 292.5 | -26.9 | 29.4 | | | | | | | | | | |

ARRIVAL DATE = 2451140.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 51140.0 | 0.612 | 242.0 | -22.5 | -0.70 | 1.421 | 112.2 | 0.989 | 73.571 | 315.4 | 522.8 | 0.843 | 146.299A | 2.36 | 0.230 | 169.2 | 78.2 | 28.7 | 0.266 |
| | | 13.51 | 6.24 | 19.75 | TWO | 30.598 | 293.8 | -26.7 | 31.5 | | | | | | | | | | |
| 46070.0 | 51140.0 | 0.565 | 242.8 | -23.8 | -1.08 | 1.422 | 107.4 | 0.988 | 77.190 | 325.0 | 522.2 | 0.895 | 153.485A | 2.78 | 0.231 | 169.0 | 78.7 | 28.8 | 0.267 |
| | | 11.83 | 6.24 | 18.07 | TWO | 30.598 | 293.8 | -26.7 | 31.1 | | | | | | | | | | |
| 46080.0 | 51140.0 | 0.489 | 240.7 | -28.3 | -2.62 | 1.422 | 102.6 | 0.988 | 80.422 | 334.6 | 521.7 | 0.936 | 159.908A | 4.34 | 0.232 | 168.8 | 78.9 | 29.1 | 0.267 |
| | | 10.46 | 6.25 | 16.71 | TWO | 30.598 | 293.8 | -26.7 | 30.8 | | | | | | | | | | |
| 46090.0 | 51140.0 | 0.456 | 242.7 | -2.6 | 5.78 | 1.421 | 97.7 | 0.988 | 83.057 | 344.5 | 521.3 | 0.967 | 165.147A | -4.03 | 0.233 | 168.6 | 79.3 | 27.7 | 0.267 |
| | | 9.69 | 6.25 | 15.94 | ONE | 30.598 | 293.8 | -26.7 | 30.6 | | | | | | | | | | |
| 46100.0 | 51140.0 | 0.413 | 234.0 | -14.4 | 1.39 | 1.420 | 92.8 | 0.988 | 84.906 | 354.4 | 521.1 | 0.983 | 168.828A | 0.39 | 0.234 | 168.5 | 79.4 | 28.5 | 0.268 |
| | | 8.72 | 6.25 | 14.97 | ONE | 30.598 | 293.8 | -26.7 | 30.5 | | | | | | | | | | |
| 46110.0 | 51140.0 | 0.408 | 226.6 | -14.6 | 0.80 | 1.419 | 87.8 | 0.989 | 85.840 | 4.5 | 161.0 | 0.986D170.694A | | 1.01 | 0.234 | 168.5 | 79.5 | 28.6 | 0.268 |
| | | 8.62 | 6.26 | 14.87 | ONE | 30.598 | 293.8 | -26.7 | 30.4 | | | | | | | | | | |
| 46120.0 | 51140.0 | 0.430 | 219.8 | -13.5 | 0.58 | 1.418 | 82.7 | 0.989 | 85.814 | 14.7 | 161.2 | 0.973D170.655A | | 1.26 | 0.234 | 168.6 | 79.4 | 28.6 | 0.268 |
| | | 9.09 | 6.26 | 15.35 | ONE | 30.598 | 293.8 | -26.7 | 30.5 | | | | | | | | | | |
| 46130.0 | 51140.0 | 0.474 | 214.9 | -12.5 | 0.46 | 1.416 | 77.6 | 0.989 | 84.881 | 25.0 | 161.5 | 0.946D168.816A | | 1.41 | 0.234 | 168.8 | 79.2 | 28.6 | 0.268 |
| | | 10.12 | 6.26 | 16.38 | ONE | 30.598 | 293.8 | -26.7 | 30.6 | | | | | | | | | | |
| 46140.0 | 51140.0 | 0.536 | 212.3 | -12.0 | 0.40 | 1.414 | 72.4 | 0.989 | 83.176 | 35.5 | 161.9 | 0.903D165.449A | | 1.51 | 0.233 | 169.0 | 79.0 | 28.6 | 0.268 |
| | | 11.61 | 6.27 | 17.87 | ONE | 30.598 | 293.8 | -26.7 | 30.8 | | | | | | | | | | |
| 46150.0 | 51140.0 | 0.611 | 211.7 | -12.0 | 0.36 | 1.412 | 67.1 | 0.990 | 80.891 | 46.1 | 162.6 | 0.846D160.936A | | 1.58 | 0.232 | 169.3 | 78.6 | 28.6 | 0.269 |
| | | 13.47 | 6.27 | 19.74 | ONE | 30.598 | 293.8 | -26.7 | 31.1 | | | | | | | | | | |

ARRIVAL DATE = 2451340.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 51340.0 | 0.610 | 242.1 | -22.3 | -0.59 | 1.419 | 112.1 | 0.983 | 49.386 | 315.3 | 523.9 | 0.843 | 97.929A | 2.27 | 0.215 | 168.5 | 77.5 | 28.6 | 0.254 |
| | | 13.45 | 6.06 | 19.51 | TWO | 29.382 | 295.1 | -26.5 | 33.3 | | | | | | | | | | |
| 46070.0 | 51340.0 | 0.543 | 242.9 | -23.4 | -0.90 | 1.419 | 107.4 | 0.982 | 50.851 | 324.9 | 523.3 | 0.895 | 100.807A | 2.60 | 0.216 | 168.2 | 78.0 | 28.7 | 0.254 |
| | | 11.77 | 6.06 | 17.83 | TWO | 29.382 | 295.1 | -26.5 | 32.9 | | | | | | | | | | |
| 46080.0 | 51340.0 | 0.485 | 241.1 | -26.6 | -1.99 | 1.419 | 102.6 | 0.982 | 52.111 | 334.6 | 522.8 | 0.937 | 103.285A | 3.72 | 0.217 | 168.0 | 78.3 | 29.0 | 0.254 |
| | | 10.37 | 6.06 | 16.44 | TWO | 29.382 | 295.1 | -26.5 | 32.6 | | | | | | | | | | |
| 46090.0 | 51340.0 | 0.469 | 244.5 | 4.3 | 8.19 | 1.419 | 97.7 | 0.982 | 53.104 | 344.5 | 522.5 | 0.967 | 105.241A | -6.43 | 0.218 | 167.8 | 78.7 | 27.2 | 0.254 |
| | | 10.00 | 6.07 | 16.06 | ONE | 29.382 | 295.1 | -26.5 | 32.4 | | | | | | | | | | |
| 46100.0 | 51340.0 | 0.410 | 234.0 | -14.5 | 1.35 | 1.418 | 92.8 | 0.982 | 53.778 | 354.4 | 522.3 | 0.983 | 106.573A | 0.43 | 0.219 | 167.8 | 78.8 | 28.4 | 0.254 |
| | | 8.66 | 6.07 | 14.73 | ONE | 29.382 | 295.1 | -26.5 | 32.2 | | | | | | | | | | |
| 46110.0 | 51340.0 | 0.406 | 226.5 | -14.7 | 0.75 | 1.417 | 87.8 | 0.982 | 54.104 | 4.5 | 162.3 | 0.986D107.221A | | 1.06 | 0.219 | 167.8 | 78.8 | 28.5 | 0.255 |
| | | 8.56 | 6.07 | 14.63 | ONE | 29.382 | 295.1 | -26.5 | 32.2 | | | | | | | | | | |
| 46120.0 | 51340.0 | 0.427 | 219.7 | -13.6 | 0.53 | 1.415 | 82.7 | 0.982 | 54.073 | 14.7 | 162.4 | 0.973D107.172A | | 1.30 | 0.219 | 167.8 | 78.7 | 28.6 | 0.255 |
| | | 9.04 | 6.07 | 15.11 | ONE | 29.382 | 295.1 | -26.5 | 32.2 | | | | | | | | | | |
| 46130.0 | 51340.0 | 0.471 | 214.8 | -12.6 | 0.42 | 1.413 | 77.6 | 0.982 | 53.705 | 25.0 | 162.7 | 0.946D106.463A | | 1.44 | 0.219 | 168.0 | 78.6 | 28.6 | 0.255 |
| | | 10.05 | 6.08 | 16.13 | ONE | 29.382 | 295.1 | -26.5 | 32.4 | | | | | | | | | | |
| 46140.0 | 51340.0 | 0.533 | 212.2 | -12.1 | 0.36 | 1.411 | 72.4 | 0.983 | 53.042 | 35.5 | 163.1 | 0.903D105.181A | | 1.53 | 0.218 | 168.2 | 78.3 | 28.6 | 0.255 |
| | | 11.53 | 6.08 | 17.61 | ONE | 29.382 | 295.1 | -26.5 | 32.6 | | | | | | | | | | |
| 46150.0 | 51340.0 | 0.607 | 211.7 | -12.1 | 0.32 | 1.409 | 67.2 | 0.984 | 52.144 | 46.0 | 163.7 | 0.846D103.441A | | 1.60 | 0.217 | 168.6 | 77.9 | 28.5 | 0.256 |
| | | 13.38 | 6.08 | 19.47 | ONE | 29.382 | 295.1 | -26.5 | 32.9 | | | | | | | | | | |

ARRIVAL DATE = 2451540.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 51540.0 | 0.608 | 242.3 | -22.1 | -0.50 | 1.417 | 112.1 | 0.978 | 38.416 | 315.2 | 525.0 | 0.842 | 75.991A | 2.19 | 0.201 | 167.7 | 76.8 | 28.5 | 0.242 |
| | | 13.41 | 5.90 | 19.31 | TWO | 30.971 | 296.4 | -26.2 | 35.1 | | | | | | | | | | |
| 46070.0 | 51540.0 | 0.541 | 243.1 | -23.0 | -0.74 | 1.417 | 107.4 | 0.977 | 39.225 | 324.8 | 524.4 | 0.895 | 77.556A | 2.45 | 0.202 | 167.4 | 77.2 | 28.6 | 0.242 |
| | | 11.72 | 5.90 | 17.62 | TWO | 30.971 | 296.4 | -26.2 | 34.7 | | | | | | | | | | |
| 46080.0 | 51540.0 | 0.482 | 241.5 | -25.3 | -1.51 | 1.417 | 102.6 | 0.977 | 39.909 | 334.6 | 524.0 | 0.936 | 78.882A | 3.25 | 0.203 | 167.2 | 77.6 | 28.8 | 0.242 |
| | | 10.31 | 5.90 | 16.21 | TWO | 30.971 | 296.4 | -26.2 | 34.4 | | | | | | | | | | |
| 46090.0 | 51540.0 | 0.568 | 252.0 | 26.4 | 17.59 | 1.417 | 97.7 | 0.976 | 40.440 | 344.5 | 523.6 | 0.967 | 79.912A | -15.83 | 0.204 | 167.0 | 77.9 | 25.3 | 0.244 |
| | | 12.39 | 5.92 | 18.31 | ONE | 30.971 | 296.4 | -26.2 | 34.6 | | | | | | | | | | |
| 46100.0 | 51540.0 | 0.408 | 234.0 | -14.7 | 1.30 | 1.416 | 92.8 | 0.976 | 40.794 | 354.4 | 523.4 | 0.983 | 80.604A | 0.48 | 0.205 | 166.9 | 78.1 | 28.4 | 0.243 |
| | | 8.61 | 5.90 | 14.52 | ONE | 30.971 | 296.4 | -26.2 | 34.0 | | | | | | | | | | |
| 46110.0 | 51540.0 | 0.404 | 226.5 | -15.0 | 0.69 | 1.415 | 87.8 | 0.976 | 40.959 | 4.5 | 163.4 | 0.986D | 80.931A | 1.11 | 0.205 | 166.9 | 78.1 | 28.5 | 0.243 |
| | | 8.51 | 5.91 | 14.42 | ONE | 30.971 | 296.4 | -26.2 | 34.0 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46120.0 | 51540.0 | 0.425 | 219.7 | -13.8 | 0.48 | 1.413 | 82.8 | 0.976 | 40.933 | 14.7 | 163.5 | 0.974D | 80.892A | 1.35 | 0.205 | 167.0 | 78.0 | 28.5 | 0.243 |
| | | 8.99 | 5.91 | 14.90 | ONE | 30.971 | 296.4 | -26.2 | 34.1 | | | | | | | | | | |
| 46130.0 | 51540.0 | 0.469 | 214.9 | -12.8 | 0.38 | 1.411 | 77.7 | 0.977 | 40.727 | 25.0 | 163.8 | 0.946D | 80.507A | 1.47 | 0.205 | 167.2 | 77.9 | 28.5 | 0.243 |
| | | 9.99 | 5.91 | 15.90 | ONE | 30.971 | 296.4 | -26.2 | 34.2 | | | | | | | | | | |
| 46140.0 | 51540.0 | 0.530 | 212.3 | -12.2 | 0.32 | 1.409 | 72.5 | 0.978 | 40.360 | 35.4 | 164.2 | 0.904D | 79.816A | 1.56 | 0.204 | 167.4 | 77.6 | 28.5 | 0.243 |
| | | 11.46 | 5.92 | 17.37 | ONE | 30.971 | 296.4 | -26.2 | 34.5 | | | | | | | | | | |
| 46150.0 | 51540.0 | 0.603 | 211.8 | -12.2 | 0.28 | 1.407 | 67.3 | 0.979 | 39.861 | 45.9 | 164.8 | 0.848D | 78.875A | 1.62 | 0.203 | 167.8 | 77.2 | 28.5 | 0.244 |
| | | 13.29 | 5.92 | 19.21 | ONE | 30.971 | 296.4 | -26.2 | 34.8 | | | | | | | | | | |
| ARRIVAL DATE = 2451740.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 51740.0 | 0.608 | 242.5 | -21.9 | -0.41 | 1.415 | 112.2 | 0.974 | 32.189 | 315.0 | 526.0 | 0.841 | 63.536A | 2.11 | 0.188 | 166.8 | 76.0 | 28.5 | 0.231 |
| | | 13.39 | 5.76 | 19.15 | TWO | 29.109 | 297.7 | -25.9 | 37.0 | | | | | | | | | | |
| 46070.0 | 51740.0 | 0.540 | 243.4 | -22.7 | -0.59 | 1.415 | 107.4 | 0.973 | 32.711 | 324.7 | 525.4 | 0.894 | 64.529A | 2.32 | 0.189 | 166.5 | 76.4 | 28.6 | 0.231 |
| | | 11.70 | 5.76 | 17.46 | TWO | 29.109 | 297.7 | -25.9 | 36.6 | | | | | | | | | | |
| 46080.0 | 51740.0 | 0.481 | 241.9 | -24.3 | -1.15 | 1.415 | 102.6 | 0.972 | 33.149 | 334.4 | 525.0 | 0.936 | 65.362A | 2.89 | 0.190 | 166.3 | 76.8 | 28.7 | 0.232 |
| | | 10.27 | 5.76 | 16.03 | TWO | 29.109 | 297.7 | -25.9 | 36.3 | | | | | | | | | | |
| 46100.0 | 51740.0 | 0.406 | 234.2 | -14.9 | 1.24 | 1.414 | 92.8 | 0.971 | 33.707 | 354.3 | 524.5 | 0.983 | 66.430A | 0.53 | 0.192 | 166.0 | 77.3 | 28.3 | 0.232 |
| | | 8.58 | 5.76 | 14.34 | ONE | 29.109 | 297.7 | -25.9 | 35.9 | | | | | | | | | | |
| 46110.0 | 51740.0 | 0.402 | 226.6 | -15.2 | 0.62 | 1.413 | 87.9 | 0.971 | 33.807 | 4.3 | 164.5 | 0.986D | 66.629A | 1.18 | 0.192 | 166.0 | 77.3 | 28.4 | 0.232 |
| | | 8.47 | 5.76 | 14.23 | ONE | 29.109 | 297.7 | -25.9 | 35.9 | | | | | | | | | | |
| 46120.0 | 51740.0 | 0.422 | 219.8 | -14.1 | 0.42 | 1.411 | 82.8 | 0.971 | 33.787 | 14.5 | 164.6 | 0.974D | 66.599A | 1.40 | 0.192 | 166.1 | 77.3 | 28.5 | 0.232 |
| | | 8.93 | 5.76 | 14.70 | ONE | 29.109 | 297.7 | -25.9 | 35.9 | | | | | | | | | | |
| 46130.0 | 51740.0 | 0.466 | 215.0 | -12.9 | 0.33 | 1.409 | 77.8 | 0.972 | 33.650 | 24.8 | 164.8 | 0.947D | 66.354A | 1.51 | 0.192 | 166.3 | 77.1 | 28.5 | 0.232 |
| | | 9.93 | 5.77 | 15.70 | ONE | 29.109 | 297.7 | -25.9 | 36.1 | | | | | | | | | | |
| 46140.0 | 51740.0 | 0.527 | 212.4 | -12.4 | 0.27 | 1.407 | 72.7 | 0.973 | 33.411 | 35.2 | 165.2 | 0.905D | 65.916A | 1.58 | 0.191 | 166.6 | 76.8 | 28.5 | 0.233 |
| | | 11.38 | 5.77 | 17.15 | ONE | 29.109 | 297.7 | -25.9 | 36.3 | | | | | | | | | | |
| 46150.0 | 51740.0 | 0.600 | 212.0 | -12.4 | 0.24 | 1.405 | 67.5 | 0.974 | 33.084 | 45.7 | 165.7 | 0.849D | 65.319A | 1.64 | 0.190 | 166.9 | 76.4 | 28.4 | 0.233 |
| | | 13.19 | 5.78 | 18.97 | ONE | 29.109 | 297.7 | -25.9 | 36.7 | | | | | | | | | | |
| ARRIVAL DATE = 2451940.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 51940.0 | 0.608 | 242.8 | -21.8 | -0.33 | 1.414 | 112.3 | 0.970 | 28.197 | 314.7 | 526.9 | 0.840 | 55.554A | 2.04 | 0.176 | 165.9 | 75.1 | 28.4 | 0.222 |
| | | 13.40 | 5.63 | 19.03 | TWO | 31.076 | 299.0 | -25.7 | 39.0 | | | | | | | | | | |
| 46070.0 | 51940.0 | 0.540 | 243.7 | -22.4 | -0.46 | 1.414 | 107.5 | 0.969 | 28.568 | 324.4 | 526.4 | 0.893 | 56.244A | 2.20 | 0.177 | 165.6 | 75.6 | 28.5 | 0.222 |
| | | 11.69 | 5.63 | 17.32 | TWO | 31.076 | 299.0 | -25.7 | 38.6 | | | | | | | | | | |
| 46080.0 | 51940.0 | 0.480 | 242.4 | -23.5 | -0.85 | 1.414 | 102.7 | 0.968 | 28.877 | 334.2 | 526.0 | 0.935 | 56.819A | 2.60 | 0.178 | 165.4 | 76.0 | 28.6 | 0.222 |
| | | 10.26 | 5.63 | 15.89 | TWO | 31.076 | 299.0 | -25.7 | 38.2 | | | | | | | | | | |
| 46090.0 | 51940.0 | 0.451 | 234.9 | -39.6 | -6.18 | 1.413 | 97.8 | 0.967 | 29.113 | 344.1 | 525.7 | 0.966 | 57.260A | 7.95 | 0.179 | 165.2 | 76.0 | 29.7 | 0.222 |
| | | 9.59 | 5.64 | 15.23 | TWO | 31.076 | 299.0 | -25.7 | 38.1 | | | | | | | | | | |
| 46100.0 | 51940.0 | 0.405 | 234.4 | -15.3 | 1.17 | 1.412 | 92.9 | 0.966 | 29.268 | 354.1 | 525.5 | 0.983 | 57.552A | 0.61 | 0.180 | 165.1 | 76.5 | 28.3 | 0.222 |
| | | 8.55 | 5.63 | 14.18 | ONE | 31.076 | 299.0 | -25.7 | 37.8 | | | | | | | | | | |
| 46110.0 | 51940.0 | 0.400 | 226.9 | -15.6 | 0.54 | 1.411 | 88.0 | 0.966 | 29.337 | 4.2 | 165.5 | 0.986D | 57.687A | 1.25 | 0.180 | 165.1 | 76.5 | 28.4 | 0.222 |
| | | 8.43 | 5.64 | 14.07 | ONE | 31.076 | 299.0 | -25.7 | 37.8 | | | | | | | | | | |
| 46120.0 | 51940.0 | 0.420 | 220.1 | -14.3 | 0.36 | 1.410 | 82.9 | 0.967 | 29.320 | 14.3 | 165.6 | 0.974D | 57.665A | 1.45 | 0.180 | 165.2 | 76.5 | 28.4 | 0.222 |
| | | 8.88 | 5.64 | 14.52 | ONE | 31.076 | 299.0 | -25.7 | 37.8 | | | | | | | | | | |
| 46130.0 | 51940.0 | 0.463 | 215.2 | -13.2 | 0.28 | 1.408 | 77.9 | 0.968 | 29.221 | 24.6 | 165.8 | 0.948D | 57.494A | 1.55 | 0.180 | 165.4 | 76.3 | 28.4 | 0.222 |
| | | 9.86 | 5.64 | 15.50 | ONE | 31.076 | 299.0 | -25.7 | 38.0 | | | | | | | | | | |
| 46140.0 | 51940.0 | 0.523 | 212.7 | -12.5 | 0.23 | 1.406 | 72.8 | 0.969 | 29.048 | 35.0 | 166.2 | 0.906D | 57.190A | 1.61 | 0.179 | 165.6 | 76.0 | 28.4 | 0.223 |
| | | 11.29 | 5.65 | 16.94 | ONE | 31.076 | 299.0 | -25.7 | 38.2 | | | | | | | | | | |
| 46150.0 | 51940.0 | 0.596 | 212.2 | -12.5 | 0.20 | 1.404 | 67.7 | 0.970 | 28.813 | 45.4 | 166.7 | 0.851D | 56.775A | 1.66 | 0.178 | 166.0 | 75.6 | 28.4 | 0.223 |
| | | 13.09 | 5.65 | 18.74 | ONE | 31.076 | 299.0 | -25.7 | 38.6 | | | | | | | | | | |
| ARRIVAL DATE = 2452140.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 52140.0 | 0.608 | 243.1 | -21.7 | -0.25 | 1.412 | 112.4 | 0.967 | 25.437 | 314.4 | 527.8 | 0.838 | 50.035A | 1.98 | 0.165 | 165.0 | 74.2 | 28.3 | 0.213 |
| | | 13.41 | 5.52 | 18.94 | TWO | 29.128 | 300.3 | -25.4 | 41.0 | | | | | | | | | | |
| 46070.0 | 52140.0 | 0.540 | 244.1 | -22.2 | -0.35 | 1.412 | 107.6 | 0.965 | 25.718 | 324.1 | 527.3 | 0.892 | 50.544A | 2.09 | 0.166 | 164.6 | 74.7 | 28.4 | 0.213 |
| | | 11.70 | 5.52 | 17.22 | TWO | 29.128 | 300.3 | -25.4 | 40.5 | | | | | | | | | | |
| 46080.0 | 52140.0 | 0.480 | 242.9 | -22.9 | -0.61 | 1.412 | 102.8 | 0.964 | 25.951 | 333.9 | 526.9 | 0.935 | 50.967A | 2.36 | 0.167 | 164.4 | 75.1 | 28.5 | 0.213 |
| | | 10.25 | 5.52 | 15.77 | TWO | 29.128 | 300.3 | -25.4 | 40.2 | | | | | | | | | | |
| 46090.0 | 52140.0 | 0.436 | 237.8 | -29.4 | -2.80 | 1.412 | 97.9 | 0.963 | 26.128 | 343.8 | 526.6 | 0.965 | 51.291A | 4.57 | 0.168 | 164.2 | 75.3 | 29.0 | 0.213 |
| | | 9.24 | 5.52 | 14.77 | TWO | 29.128 | 300.3 | -25.4 | 40.0 | | | | | | | | | | |
| 46100.0 | 52140.0 | 0.404 | 234.8 | -15.7 | 1.07 | 1.411 | 93.0 | 0.963 | 26.244 | 353.8 | 526.5 | 0.983 | 51.505A | 0.71 | 0.168 | 164.1 | 75.6 | 28.2 | 0.213 |
| | | 8.52 | 5.52 | 14.05 | ONE | 29.128 | 300.3 | -25.4 | 39.8 | | | | | | | | | | |
| 46110.0 | 52140.0 | 0.398 | 227.2 | -16.0 | 0.46 | 1.410 | 88.1 | 0.962 | 26.295 | 3.9 | 166.4 | 0.986D | 51.603A | 1.33 | 0.169 | 164.1 | 75.7 | 28.3 | 0.213 |
| | | 8.40 | 5.52 | 13.92 | ONE | 29.128 | 300.3 | -25.4 | 39.7 | | | | | | | | | | |
| 46120.0 | 52140.0 | 0.418 | 220.4 | -14.7 | 0.30 | 1.408 | 83.1 | 0.963 | 26.281 | 14.1 | 166.5 | 0.975D | 51.587A | 1.51 | 0.169 | 164.2 | 75.6 | 28.4 | 0.213 |
| | | 8.83 | 5.53 | 14.36 | ONE | 29.128 | 300.3 | -25.4 | 39.8 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46130.0 | 52140.0 | 0.460 | 215.5 | -13.4 | 0.22 | 1.406 | 78.1 | 0.964 | 26.205 | 24.3 | 166.7 | 0.949D | 51.461A | 1.59 | 0.168 | 164.4 | 75.4 | 28.4 | 0.213 |
| | | 9.79 | 5.53 | 15.32 | ONE | 29.178 | 300.3 | -25.4 | 39.9 | | | | | | | | | | |
| 46140.0 | 52140.0 | 0.520 | 212.9 | -12.8 | 0.19 | 1.404 | 73.0 | 0.965 | 26.073 | 34.7 | 167.1 | 0.908D | 51.238A | 1.64 | 0.168 | 164.6 | 75.1 | 28.3 | 0.214 |
| | | 11.21 | 5.53 | 16.74 | ONE | 29.128 | 300.3 | -25.4 | 40.2 | | | | | | | | | | |
| 46150.0 | 52140.0 | 0.591 | 212.4 | -12.7 | 0.16 | 1.402 | 67.9 | 0.967 | 25.893 | 45.1 | 167.5 | 0.854D | 50.932A | 1.68 | 0.167 | 165.0 | 74.8 | 28.3 | 0.214 |
| | | 12.99 | 5.54 | 18.53 | ONE | 29.128 | 300.3 | -25.4 | 40.5 | | | | | | | | | | |
| ARRIVAL DATE = 2452340.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 52340.0 | 0.610 | 243.5 | -21.6 | -0.18 | 1.411 | 112.5 | 0.964 | 23.427 | 314.1 | 528.6 | 0.837 | 46.017A | 1.92 | 0.154 | 164.0 | 73.3 | 28.2 | 0.205 |
| | | 13.44 | 5.43 | 18.87 | TWO | 30.881 | 301.6 | -25.1 | 43.0 | | | | | | | | | | |
| 46070.0 | 52340.0 | 0.541 | 244.5 | -22.0 | -0.24 | 1.411 | 107.7 | 0.962 | 23.649 | 323.8 | 528.2 | 0.890 | 46.408A | 1.99 | 0.156 | 163.6 | 73.8 | 28.3 | 0.205 |
| | | 11.72 | 5.43 | 17.15 | TWO | 30.881 | 301.6 | -25.1 | 42.5 | | | | | | | | | | |
| 46080.0 | 52340.0 | 0.480 | 243.4 | -22.4 | -0.41 | 1.411 | 102.9 | 0.961 | 23.834 | 333.6 | 527.8 | 0.933 | 46.734A | 2.17 | 0.157 | 163.3 | 74.2 | 28.4 | 0.205 |
| | | 10.26 | 5.43 | 15.69 | TWO | 30.881 | 301.6 | -25.1 | 42.2 | | | | | | | | | | |
| 46090.0 | 52340.0 | 0.433 | 239.2 | -25.2 | -1.44 | 1.411 | 98.1 | 0.960 | 23.973 | 343.5 | 527.5 | 0.965 | 46.982A | 3.21 | 0.157 | 163.1 | 74.5 | 28.6 | 0.204 |
| | | 9.18 | 5.42 | 14.60 | TWO | 30.881 | 301.6 | -25.1 | 41.9 | | | | | | | | | | |
| 46100.0 | 52340.0 | 0.403 | 235.2 | -16.3 | 0.93 | 1.410 | 93.2 | 0.959 | 24.064 | 353.5 | 527.4 | 0.983 | 47.146A | 0.84 | 0.158 | 163.0 | 74.7 | 28.1 | 0.204 |
| | | 8.51 | 5.42 | 13.93 | ONE | 30.881 | 301.6 | -25.1 | 41.7 | | | | | | | | | | |
| 46110.0 | 52340.0 | 0.397 | 227.6 | -16.5 | 0.36 | 1.409 | 88.2 | 0.959 | 24.104 | 3.6 | 167.3 | 0.987D | 47.222A | 1.43 | 0.158 | 163.0 | 74.8 | 28.3 | 0.205 |
| | | 8.36 | 5.43 | 13.79 | ONE | 30.881 | 301.6 | -25.1 | 41.7 | | | | | | | | | | |
| 46120.0 | 52340.0 | 0.416 | 220.8 | -15.0 | 0.23 | 1.407 | 83.2 | 0.960 | 24.093 | 13.8 | 167.4 | 0.976D | 47.210A | 1.57 | 0.158 | 163.1 | 74.7 | 28.3 | 0.205 |
| | | 8.78 | 5.43 | 14.21 | ONE | 30.881 | 301.6 | -25.1 | 41.7 | | | | | | | | | | |
| 46130.0 | 52340.0 | 0.457 | 215.9 | -13.7 | 0.17 | 1.405 | 78.2 | 0.960 | 24.032 | 24.0 | 167.6 | 0.950D | 47.115A | 1.64 | 0.158 | 163.3 | 74.6 | 28.3 | 0.205 |
| | | 9.73 | 5.43 | 15.16 | ONE | 30.881 | 301.6 | -25.1 | 41.9 | | | | | | | | | | |
| 46140.0 | 52340.0 | 0.516 | 213.3 | -13.0 | 0.14 | 1.403 | 73.2 | 0.962 | 23.927 | 34.3 | 167.9 | 0.910D | 46.944A | 1.68 | 0.157 | 163.6 | 74.3 | 28.3 | 0.205 |
| | | 11.12 | 5.44 | 16.56 | ONE | 30.881 | 301.6 | -25.1 | 42.2 | | | | | | | | | | |
| 46150.0 | 52340.0 | 0.587 | 212.7 | -12.9 | 0.12 | 1.401 | 68.1 | 0.964 | 23.783 | 44.7 | 168.3 | 0.856D | 46.709A | 1.70 | 0.156 | 164.0 | 73.9 | 28.2 | 0.206 |
| | | 12.88 | 5.44 | 18.32 | ONE | 30.881 | 301.6 | -25.1 | 42.5 | | | | | | | | | | |
| ARRIVAL DATE = 2452540.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 52540.0 | 0.611 | 243.9 | -21.5 | -0.11 | 1.410 | 112.7 | 0.962 | 21.907 | 313.7 | 529.4 | 0.834 | 42.979A | 1.86 | 0.144 | 162.9 | 72.3 | 28.1 | 0.197 |
| | | 13.49 | 5.34 | 18.83 | TWO | 29.435 | 302.9 | -24.8 | 45.0 | | | | | | | | | | |
| 46070.0 | 52540.0 | 0.542 | 245.0 | -21.8 | -0.15 | 1.410 | 107.9 | 0.960 | 22.089 | 323.4 | 529.0 | 0.889 | 43.290A | 1.90 | 0.146 | 162.5 | 72.9 | 28.1 | 0.197 |
| | | 11.76 | 5.34 | 17.10 | TWO | 29.435 | 302.9 | -24.8 | 44.6 | | | | | | | | | | |
| 46080.0 | 52540.0 | 0.481 | 244.0 | -22.0 | -0.24 | 1.410 | 103.1 | 0.958 | 22.240 | 333.3 | 528.6 | 0.932 | 43.549A | 2.00 | 0.147 | 162.2 | 73.3 | 28.2 | 0.197 |
| | | 10.28 | 5.34 | 15.62 | TWO | 29.435 | 302.9 | -24.8 | 44.2 | | | | | | | | | | |
| 46090.0 | 52540.0 | 0.433 | 240.3 | -22.9 | -0.70 | 1.410 | 98.2 | 0.957 | 22.355 | 343.2 | 528.4 | 0.964 | 43.746A | 2.47 | 0.148 | 162.0 | 73.6 | 28.4 | 0.197 |
| | | 9.17 | 5.34 | 14.50 | TWO | 29.435 | 302.9 | -24.8 | 43.9 | | | | | | | | | | |
| 46100.0 | 52540.0 | 0.403 | 235.6 | -17.1 | 0.73 | 1.409 | 93.3 | 0.956 | 22.429 | 353.2 | 528.2 | 0.982 | 43.876A | 1.05 | 0.148 | 161.9 | 73.8 | 28.1 | 0.197 |
| | | 8.49 | 5.34 | 13.83 | ONE | 29.435 | 302.9 | -24.8 | 43.8 | | | | | | | | | | |
| 46110.0 | 52540.0 | 0.395 | 228.1 | -17.0 | 0.24 | 1.407 | 88.4 | 0.956 | 22.462 | 3.3 | 168.2 | 0.987D | 43.937A | 1.54 | 0.148 | 161.8 | 73.9 | 28.2 | 0.197 |
| | | 8.34 | 5.34 | 13.67 | ONE | 29.435 | 302.9 | -24.8 | 43.7 | | | | | | | | | | |
| 46120.0 | 52540.0 | 0.414 | 221.3 | -15.4 | 0.15 | 1.406 | 83.4 | 0.957 | 22.452 | 13.4 | 168.3 | 0.976D | 43.929A | 1.64 | 0.148 | 161.9 | 73.8 | 28.2 | 0.197 |
| | | 8.73 | 5.34 | 14.07 | ONE | 29.435 | 302.9 | -24.8 | 43.8 | | | | | | | | | | |
| 46130.0 | 52540.0 | 0.454 | 216.3 | -14.1 | 0.11 | 1.404 | 78.4 | 0.958 | 22.403 | 23.7 | 168.4 | 0.951D | 43.854A | 1.68 | 0.148 | 162.1 | 73.6 | 28.2 | 0.197 |
| | | 9.66 | 5.34 | 15.00 | ONE | 29.435 | 302.9 | -24.8 | 43.9 | | | | | | | | | | |
| 46140.0 | 52540.0 | 0.512 | 213.6 | -13.3 | 0.09 | 1.402 | 73.4 | 0.959 | 22.316 | 33.9 | 168.7 | 0.912D | 43.720A | 1.71 | 0.147 | 162.4 | 73.3 | 28.2 | 0.198 |
| | | 11.03 | 5.35 | 16.38 | ONE | 29.435 | 302.9 | -24.8 | 44.2 | | | | | | | | | | |
| 46150.0 | 52540.0 | 0.583 | 213.1 | -13.1 | 0.08 | 1.400 | 68.3 | 0.961 | 22.197 | 44.3 | 169.1 | 0.859D | 43.535A | 1.73 | 0.146 | 162.9 | 72.9 | 28.1 | 0.198 |
| | | 12.77 | 5.36 | 18.12 | ONE | 29.435 | 302.9 | -24.8 | 44.5 | | | | | | | | | | |
| ARRIVAL DATE = 2452740.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 52740.0 | 0.614 | 244.4 | -21.5 | -0.04 | 1.409 | 112.9 | 0.960 | 20.725 | 313.2 | 530.2 | 0.832 | 40.618A | 1.81 | 0.135 | 161.7 | 71.3 | 27.9 | 0.191 |
| | | 13.55 | 5.27 | 18.82 | TWO | 30.444 | 304.1 | -24.5 | 47.1 | | | | | | | | | | |
| 46070.0 | 52740.0 | 0.544 | 245.5 | -21.7 | -0.06 | 1.409 | 108.1 | 0.958 | 20.879 | 323.0 | 529.8 | 0.886 | 40.871A | 1.83 | 0.136 | 161.3 | 71.9 | 28.0 | 0.190 |
| | | 11.80 | 5.27 | 17.07 | TWO | 30.444 | 304.1 | -24.5 | 46.7 | | | | | | | | | | |
| 46080.0 | 52740.0 | 0.482 | 244.6 | -21.7 | -0.09 | 1.409 | 103.3 | 0.956 | 21.006 | 332.9 | 529.4 | 0.931 | 41.081A | 1.86 | 0.137 | 161.0 | 72.3 | 28.1 | 0.190 |
| | | 10.31 | 5.26 | 15.58 | TWO | 30.444 | 304.1 | -24.5 | 46.3 | | | | | | | | | | |
| 46090.0 | 52740.0 | 0.433 | 241.2 | -21.6 | -0.24 | 1.409 | 98.4 | 0.954 | 21.102 | 342.8 | 529.2 | 0.963 | 41.242A | 2.01 | 0.138 | 160.7 | 72.6 | 28.2 | 0.190 |
| | | 9.18 | 5.26 | 14.44 | TWO | 30.444 | 304.1 | -24.5 | 46.0 | | | | | | | | | | |
| 46100.0 | 52740.0 | 0.402 | 236.0 | -18.4 | 0.40 | 1.408 | 93.5 | 0.954 | 21.165 | 352.8 | 529.0 | 0.982 | 41.349A | 1.38 | 0.139 | 160.6 | 72.8 | 28.0 | 0.190 |
| | | 8.49 | 5.26 | 13.75 | ONE | 30.444 | 304.1 | -24.5 | 45.8 | | | | | | | | | | |
| 46110.0 | 52740.0 | 0.394 | 228.7 | -17.6 | 0.11 | 1.406 | 88.6 | 0.953 | 21.193 | 2.9 | 169.0 | 0.987D | 41.399A | 1.67 | 0.139 | 160.6 | 72.9 | 28.1 | 0.190 |
| | | 8.31 | 5.26 | 13.57 | ONE | 30.444 | 304.1 | -24.5 | 45.7 | | | | | | | | | | |
| 46120.0 | 52740.0 | 0.411 | 221.8 | -15.9 | 0.06 | 1.405 | 83.6 | 0.954 | 21.185 | 13.0 | 169.1 | 0.977D | 41.393A | 1.71 | 0.139 | 160.7 | 72.9 | 28.1 | 0.190 |
| | | 8.69 | 5.26 | 13.95 | ONE | 30.444 | 304.1 | -24.5 | 45.8 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46130.0 | 52740.0 | 0.451 | 216.8 | -14.4 | 0.05 | 1.403 | 78.7 | 0.955 | 21.143 | 23.2 | 169.2 | 0.953D | 41.334A | 1.73 | 0.139 | 160.9 | 72.7 | 28.1 | 0.191 |
| | | 9.59 | 5.27 | 14.85 | ONE | 30.444 | 304.1 | -24.5 | 45.9 | | | | | | | | | | |
| 46140.0 | 52740.0 | 0.508 | 214.1 | -13.6 | 0.04 | 1.401 | 73.6 | 0.957 | 21.070 | 33.5 | 169.5 | 0.914D | 41.226A | 1.75 | 0.138 | 161.2 | 72.4 | 28.1 | 0.191 |
| | | 10.94 | 5.27 | 16.21 | ONE | 30.444 | 304.1 | -24.5 | 46.2 | | | | | | | | | | |
| 46150.0 | 52740.0 | 0.578 | 213.4 | -13.4 | 0.03 | 1.399 | 68.6 | 0.959 | 20.970 | 43.8 | 169.8 | 0.862D | 41.077A | 1.75 | 0.137 | 161.6 | 72.0 | 28.0 | 0.192 |
| | | 12.65 | 5.28 | 17.93 | ONE | 30.444 | 304.1 | -24.5 | 46.6 | | | | | | | | | | |
| ARRIVAL DATE = 2452940.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 52940.0 | 0.616 | 244.8 | -21.4 | 0.02 | 1.408 | 113.1 | 0.958 | 19.786 | 312.8 | 530.9 | 0.829 | 38.744A | 1.76 | 0.126 | 160.4 | 70.3 | 27.8 | 0.185 |
| | | 13.62 | 5.20 | 18.82 | TWO | 29.934 | 305.4 | -24.1 | 49.2 | | | | | | | | | | |
| 46070.0 | 52940.0 | 0.546 | 246.1 | -21.6 | 0.02 | 1.408 | 108.3 | 0.956 | 19.919 | 322.6 | 530.5 | 0.884 | 38.953A | 1.75 | 0.128 | 160.0 | 70.9 | 27.9 | 0.184 |
| | | 11.86 | 5.20 | 17.06 | TWO | 29.934 | 305.4 | -24.1 | 48.8 | | | | | | | | | | |
| 46080.0 | 52940.0 | 0.484 | 245.3 | -21.4 | 0.04 | 1.408 | 103.5 | 0.954 | 20.028 | 332.4 | 530.2 | 0.929 | 39.127A | 1.74 | 0.129 | 159.6 | 71.3 | 27.9 | 0.184 |
| | | 10.35 | 5.20 | 15.55 | TWO | 29.934 | 305.4 | -24.1 | 48.4 | | | | | | | | | | |
| 46090.0 | 52940.0 | 0.434 | 242.1 | -20.7 | 0.08 | 1.408 | 98.6 | 0.952 | 20.111 | 342.4 | 529.9 | 0.962 | 39.261A | 1.69 | 0.130 | 159.4 | 71.6 | 28.0 | 0.184 |
| | | 9.20 | 5.19 | 14.39 | TWO | 29.934 | 305.4 | -24.1 | 48.1 | | | | | | | | | | |
| 46100.0 | 52940.0 | 0.402 | 236.2 | -20.7 | -0.24 | 1.407 | 93.7 | 0.951 | 20.166 | 352.4 | 529.8 | 0.982 | 39.350A | 2.01 | 0.130 | 159.3 | 71.8 | 28.1 | 0.184 |
| | | 8.49 | 5.19 | 13.68 | ONE | 29.934 | 305.4 | -24.1 | 47.9 | | | | | | | | | | |
| 46110.0 | 52940.0 | 0.393 | 229.3 | -18.4 | -0.05 | 1.406 | 88.8 | 0.951 | 20.190 | 2.5 | 169.8 | 0.987D | 39.392A | 1.82 | 0.130 | 159.3 | 71.9 | 28.1 | 0.184 |
| | | 8.29 | 5.19 | 13.48 | ONE | 29.934 | 305.4 | -24.1 | 47.8 | | | | | | | | | | |
| 46120.0 | 52940.0 | 0.409 | 222.4 | -16.4 | -0.03 | 1.404 | 83.9 | 0.952 | 20.183 | 12.6 | 169.8 | 0.978D | 39.389A | 1.80 | 0.130 | 159.3 | 71.9 | 28.0 | 0.184 |
| | | 8.64 | 5.20 | 13.84 | ONE | 29.934 | 305.4 | -24.1 | 47.9 | | | | | | | | | | |
| 46130.0 | 52940.0 | 0.448 | 217.3 | -14.8 | -0.02 | 1.402 | 78.9 | 0.953 | 20.148 | 22.8 | 170.0 | 0.954D | 39.341A | 1.79 | 0.130 | 159.6 | 71.7 | 28.0 | 0.184 |
| | | 9.51 | 5.20 | 14.71 | ONE | 29.934 | 305.4 | -24.1 | 48.0 | | | | | | | | | | |
| 46140.0 | 52940.0 | 0.505 | 214.6 | -13.9 | -0.02 | 1.400 | 73.9 | 0.954 | 20.085 | 33.0 | 170.2 | 0.916D | 39.254A | 1.79 | 0.129 | 159.9 | 71.4 | 28.0 | 0.185 |
| | | 10.84 | 5.20 | 16.05 | ONE | 29.934 | 305.4 | -24.1 | 48.3 | | | | | | | | | | |
| 46150.0 | 52940.0 | 0.573 | 213.9 | -13.6 | -0.01 | 1.398 | 68.9 | 0.957 | 19.998 | 43.3 | 170.5 | 0.865D | 39.132A | 1.78 | 0.129 | 160.3 | 71.0 | 27.9 | 0.185 |
| | | 12.53 | 5.21 | 17.74 | ONE | 29.934 | 305.4 | -24.1 | 48.6 | | | | | | | | | | |
| ARRIVAL DATE = 2453140.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 53140.0 | 0.619 | 245.3 | -21.4 | 0.08 | 1.408 | 113.3 | 0.957 | 19.028 | 312.2 | 531.6 | 0.826 | 37.230A | 1.71 | 0.118 | 159.0 | 69.3 | 27.6 | 0.179 |
| | | 13.70 | 5.15 | 18.84 | TWO | 29.894 | 306.7 | -23.8 | 51.4 | | | | | | | | | | |
| 46070.0 | 53140.0 | 0.549 | 246.6 | -21.5 | 0.10 | 1.408 | 108.5 | 0.954 | 19.144 | 322.1 | 531.2 | 0.882 | 37.406A | 1.69 | 0.120 | 158.6 | 69.8 | 27.7 | 0.179 |
| | | 11.92 | 5.14 | 17.06 | TWO | 29.894 | 306.7 | -23.8 | 50.9 | | | | | | | | | | |
| 46080.0 | 53140.0 | 0.486 | 246.0 | -21.2 | 0.15 | 1.408 | 103.7 | 0.952 | 19.240 | 331.9 | 530.9 | 0.927 | 37.552A | 1.63 | 0.121 | 158.2 | 70.3 | 27.8 | 0.178 |
| | | 10.40 | 5.14 | 15.54 | TWO | 29.894 | 306.7 | -23.8 | 50.5 | | | | | | | | | | |
| 46090.0 | 53140.0 | 0.436 | 243.0 | -20.1 | 0.31 | 1.407 | 98.8 | 0.950 | 19.313 | 341.9 | 530.7 | 0.961 | 37.665A | 1.46 | 0.121 | 158.0 | 70.6 | 27.8 | 0.178 |
| | | 9.23 | 5.13 | 14.36 | TWO | 29.894 | 306.7 | -23.8 | 50.2 | | | | | | | | | | |
| 46100.0 | 53140.0 | 0.405 | 235.6 | -26.7 | -1.97 | 1.406 | 93.9 | 0.949 | 19.361 | 351.9 | 530.5 | 0.981 | 37.740A | 3.74 | 0.122 | 157.8 | 70.7 | 28.4 | 0.178 |
| | | 8.54 | 5.13 | 13.67 | ONE | 29.894 | 306.7 | -23.8 | 50.0 | | | | | | | | | | |
| 46110.0 | 53140.0 | 0.392 | 229.9 | -19.3 | -0.24 | 1.405 | 89.0 | 0.949 | 19.382 | 2.0 | 170.5 | 0.987D | 37.777A | 2.01 | 0.122 | 157.8 | 70.9 | 28.0 | 0.178 |
| | | 8.27 | 5.13 | 13.40 | ONE | 29.894 | 306.7 | -23.8 | 49.9 | | | | | | | | | | |
| 46120.0 | 53140.0 | 0.407 | 223.1 | -17.0 | -0.13 | 1.403 | 84.1 | 0.949 | 19.377 | 12.1 | 170.5 | 0.979D | 37.775A | 1.89 | 0.122 | 157.9 | 70.9 | 27.9 | 0.178 |
| | | 8.60 | 5.14 | 13.73 | ONE | 29.894 | 306.7 | -23.8 | 49.9 | | | | | | | | | | |
| 46130.0 | 53140.0 | 0.445 | 218.0 | -15.2 | -0.09 | 1.402 | 79.1 | 0.951 | 19.346 | 22.3 | 170.7 | 0.956D | 37.737A | 1.85 | 0.122 | 158.1 | 70.7 | 27.9 | 0.179 |
| | | 9.44 | 5.14 | 14.58 | ONE | 29.894 | 306.7 | -23.8 | 50.1 | | | | | | | | | | |
| 46140.0 | 53140.0 | 0.501 | 215.1 | -14.2 | -0.07 | 1.400 | 74.2 | 0.952 | 19.292 | 32.5 | 170.9 | 0.919D | 37.665A | 1.83 | 0.121 | 158.4 | 70.4 | 27.8 | 0.179 |
| | | 10.75 | 5.14 | 15.89 | ONE | 29.894 | 306.7 | -23.8 | 50.3 | | | | | | | | | | |
| 46150.0 | 53140.0 | 0.569 | 214.3 | -13.9 | -0.06 | 1.398 | 69.1 | 0.955 | 19.216 | 42.7 | 171.2 | 0.868D | 37.564A | 1.81 | 0.120 | 158.9 | 70.0 | 27.8 | 0.180 |
| | | 12.42 | 5.15 | 17.57 | ONE | 29.894 | 306.7 | -23.8 | 50.7 | | | | | | | | | | |
| 46160.0 | 53140.0 | 0.645 | 215.3 | -14.2 | -0.05 | 1.395 | 64.1 | 0.958 | 19.122 | 53.0 | 171.6 | 0.805D | 37.439A | 1.80 | 0.119 | 159.5 | 69.5 | 27.7 | 0.181 |
| | | 14.37 | 5.16 | 19.52 | ONE | 29.894 | 306.7 | -23.8 | 51.1 | | | | | | | | | | |
| ARRIVAL DATE = 2453340.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 53340.0 | 0.623 | 245.9 | -21.3 | 0.13 | 1.407 | 113.6 | 0.955 | 18.407 | 311.7 | 532.2 | 0.822 | 35.991A | 1.67 | 0.111 | 157.6 | 68.2 | 27.5 | 0.174 |
| | | 13.79 | 5.10 | 18.88 | TWO | 30.470 | 307.9 | -23.5 | 53.5 | | | | | | | | | | |
| 46070.0 | 53340.0 | 0.552 | 247.2 | -21.4 | 0.17 | 1.407 | 108.8 | 0.953 | 18.510 | 321.5 | 531.9 | 0.879 | 36.141A | 1.63 | 0.112 | 157.1 | 68.8 | 27.6 | 0.174 |
| | | 12.00 | 5.09 | 17.09 | TWO | 30.470 | 307.9 | -23.5 | 53.0 | | | | | | | | | | |
| 46080.0 | 53340.0 | 0.489 | 246.7 | -21.0 | 0.25 | 1.407 | 103.9 | 0.950 | 18.595 | 331.4 | 531.6 | 0.925 | 36.265A | 1.54 | 0.113 | 156.7 | 69.3 | 27.6 | 0.173 |
| | | 10.46 | 5.09 | 15.55 | TWO | 30.470 | 307.9 | -23.5 | 52.6 | | | | | | | | | | |
| 46090.0 | 53340.0 | 0.437 | 243.9 | -19.7 | 0.49 | 1.406 | 99.1 | 0.949 | 18.660 | 341.4 | 531.4 | 0.959 | 36.361A | 1.29 | 0.114 | 156.4 | 69.6 | 27.6 | 0.173 |
| | | 9.27 | 5.08 | 14.35 | TWO | 30.470 | 307.9 | -23.5 | 52.3 | | | | | | | | | | |
| 46100.0 | 53340.0 | 0.637 | 185.4 | -79.5 | -23.86 | 1.406 | 94.2 | 0.948 | 18.703 | 351.4 | 531.2 | 0.980 | 36.426A | 25.63 | 0.114 | 156.3 | 67.6 | 33.5 | 0.178 |
| | | 14.14 | 5.13 | 19.27 | ONE | 30.470 | 307.9 | -23.5 | 53.3 | | | | | | | | | | |
| 46110.0 | 53340.0 | 0.392 | 230.6 | -20.3 | -0.47 | 1.404 | 89.3 | 0.947 | 18.723 | 1.5 | 171.2 | 0.987D | 36.458A | 2.24 | 0.115 | 156.3 | 69.9 | 27.9 | 0.173 |
| | | 8.26 | 5.08 | 13.34 | ONE | 30.470 | 307.9 | -23.5 | 52.0 | | | | | | | | | | |

1985
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| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>COIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46120.0 | 53340.0 | 0.405 | 223.8 | -17.6 | -0.24 | 1.403 | 84.4 | 0.948 | 18.719 | 11.6 | 171.2 | 0.980D | 36.458A | 2.00 | 0.115 | 156.3 | 69.9 | 27.8 | 0.173 |
| | | 8.55 | 5.08 | 13.63 | ONE | 30.470 | 307.9 | -23.5 | 52.0 | | | | | | | | | | |
| 46130.0 | 53340.0 | 0.442 | 218.6 | -15.7 | -0.17 | 1.401 | 79.4 | 0.949 | 18.692 | 21.8 | 171.3 | 0.958D | 36.427A | 1.92 | 0.114 | 156.5 | 69.7 | 27.8 | 0.173 |
| | | 9.37 | 5.09 | 14.46 | ONE | 30.470 | 307.9 | -23.5 | 52.2 | | | | | | | | | | |
| 46140.0 | 53340.0 | 0.496 | 215.6 | -14.6 | -0.13 | 1.399 | 74.4 | 0.951 | 18.644 | 32.0 | 171.5 | 0.921D | 36.367A | 1.87 | 0.114 | 156.9 | 69.4 | 27.7 | 0.174 |
| | | 10.65 | 5.09 | 15.74 | ONE | 30.470 | 307.9 | -23.5 | 52.4 | | | | | | | | | | |
| 46150.0 | 53340.0 | 0.564 | 214.8 | -14.2 | -0.11 | 1.397 | 69.4 | 0.953 | 18.577 | 42.2 | 171.8 | 0.871D | 36.283A | 1.84 | 0.113 | 157.4 | 69.0 | 27.6 | 0.175 |
| | | 12.29 | 5.10 | 17.39 | ONE | 30.470 | 307.9 | -23.5 | 52.8 | | | | | | | | | | |
| 46160.0 | 53340.0 | 0.640 | 215.7 | -14.4 | -0.10 | 1.395 | 64.4 | 0.956 | 18.494 | 52.4 | 172.2 | 0.810D | 36.178A | 1.82 | 0.112 | 158.0 | 68.6 | 27.5 | 0.176 |
| | | 14.22 | 5.11 | 19.33 | ONE | 30.470 | 307.9 | -23.5 | 53.2 | | | | | | | | | | |
| ARRIVAL DATE = 2453540.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 53540.0 | 0.627 | 246.4 | -21.3 | 0.18 | 1.406 | 113.8 | 0.954 | 17.893 | 311.1 | 532.8 | 0.819 | 34.967A | 1.63 | 0.103 | 155.9 | 67.2 | 27.3 | 0.170 |
| | | 13.89 | 5.05 | 18.94 | TWO | 29.388 | 309.1 | -23.1 | 55.7 | | | | | | | | | | |
| 46070.0 | 53540.0 | 0.555 | 247.9 | -21.3 | 0.23 | 1.407 | 109.0 | 0.951 | 17.986 | 321.0 | 532.5 | 0.876 | 35.095A | 1.57 | 0.105 | 155.4 | 67.8 | 27.4 | 0.169 |
| | | 12.08 | 5.04 | 17.13 | TWO | 29.388 | 309.1 | -23.1 | 55.1 | | | | | | | | | | |
| 46080.0 | 53540.0 | 0.491 | 247.5 | -20.9 | 0.33 | 1.406 | 104.2 | 0.949 | 18.063 | 330.9 | 532.2 | 0.923 | 35.202A | 1.46 | 0.106 | 155.0 | 68.2 | 27.4 | 0.169 |
| | | 10.53 | 5.04 | 15.57 | TWO | 29.388 | 309.1 | -23.1 | 54.7 | | | | | | | | | | |
| 46090.0 | 53540.0 | 0.439 | 244.8 | -19.4 | 0.63 | 1.406 | 99.3 | 0.947 | 18.121 | 340.8 | 532.0 | 0.958 | 35.285A | 1.15 | 0.107 | 154.8 | 68.6 | 27.4 | 0.168 |
| | | 9.31 | 5.04 | 14.35 | TWO | 29.388 | 309.1 | -23.1 | 54.4 | | | | | | | | | | |
| 46100.0 | 53540.0 | 0.429 | 244.1 | 2.2 | 6.91 | 1.405 | 94.4 | 0.946 | 18.160 | 350.9 | 531.9 | 0.980 | 35.341A | -5.14 | 0.107 | 154.6 | 69.1 | 25.8 | 0.168 |
| | | 9.07 | 5.04 | 14.11 | TWO | 29.388 | 309.1 | -23.1 | 54.3 | | | | | | | | | | |
| 46110.0 | 53540.0 | 0.391 | 231.3 | -21.5 | -0.77 | 1.404 | 89.5 | 0.946 | 18.179 | 0.9 | 171.8 | 0.987D | 35.370A | 2.53 | 0.107 | 154.6 | 68.8 | 27.8 | 0.168 |
| | | 8.25 | 5.03 | 13.28 | ONE | 29.388 | 309.1 | -23.1 | 54.1 | | | | | | | | | | |
| 46120.0 | 53540.0 | 0.403 | 224.6 | -18.3 | -0.37 | 1.402 | 84.6 | 0.946 | 18.176 | 11.1 | 171.9 | 0.981D | 35.371A | 2.12 | 0.107 | 154.7 | 68.8 | 27.7 | 0.168 |
| | | 8.51 | 5.04 | 13.55 | ONE | 29.388 | 309.1 | -23.1 | 54.2 | | | | | | | | | | |
| 46130.0 | 53540.0 | 0.439 | 219.3 | -16.2 | -0.25 | 1.400 | 79.7 | 0.947 | 18.152 | 21.2 | 172.0 | 0.959D | 35.345A | 1.99 | 0.107 | 154.9 | 68.7 | 27.7 | 0.169 |
| | | 9.30 | 5.04 | 14.34 | ONE | 29.388 | 309.1 | -23.1 | 54.3 | | | | | | | | | | |
| 46140.0 | 53540.0 | 0.492 | 216.3 | -14.9 | -0.19 | 1.398 | 74.7 | 0.949 | 18.110 | 31.4 | 172.1 | 0.924D | 35.295A | 1.92 | 0.106 | 155.2 | 68.4 | 27.6 | 0.169 |
| | | 10.55 | 5.04 | 15.59 | ONE | 29.388 | 309.1 | -23.1 | 54.5 | | | | | | | | | | |
| 46150.0 | 53540.0 | 0.559 | 215.4 | -14.5 | -0.16 | 1.396 | 69.8 | 0.952 | 18.050 | 41.6 | 172.4 | 0.875D | 35.224A | 1.87 | 0.106 | 155.7 | 68.0 | 27.5 | 0.170 |
| | | 12.17 | 5.05 | 17.22 | ONE | 29.388 | 309.1 | -23.1 | 54.9 | | | | | | | | | | |
| 46160.0 | 53540.0 | 0.634 | 216.2 | -14.7 | -0.14 | 1.394 | 64.8 | 0.955 | 17.975 | 51.8 | 172.7 | 0.814D | 35.136A | 1.84 | 0.105 | 156.3 | 67.6 | 27.4 | 0.171 |
| | | 14.08 | 5.06 | 19.14 | ONE | 29.388 | 309.1 | -23.1 | 55.3 | | | | | | | | | | |
| ARRIVAL DATE = 2453740.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 53740.0 | 0.631 | 247.0 | -21.3 | 0.23 | 1.406 | 114.1 | 0.953 | 17.465 | 310.5 | 533.4 | 0.815 | 34.114A | 1.60 | 0.096 | 154.2 | 66.1 | 27.1 | 0.166 |
| | | 14.00 | 5.01 | 19.01 | TWO | 30.874 | 310.4 | -22.7 | 57.8 | | | | | | | | | | |
| 46070.0 | 53740.0 | 0.559 | 248.5 | -21.3 | 0.29 | 1.406 | 109.3 | 0.950 | 17.549 | 320.4 | 533.1 | 0.873 | 34.224A | 1.52 | 0.098 | 153.7 | 66.7 | 27.2 | 0.165 |
| | | 12.17 | 5.00 | 17.18 | TWO | 30.874 | 310.4 | -22.7 | 57.3 | | | | | | | | | | |
| 46080.0 | 53740.0 | 0.494 | 248.2 | -20.8 | 0.41 | 1.406 | 104.4 | 0.948 | 17.619 | 330.3 | 532.8 | 0.921 | 34.317A | 1.38 | 0.099 | 153.3 | 67.2 | 27.3 | 0.165 |
| | | 10.60 | 5.00 | 15.60 | TWO | 30.874 | 310.4 | -22.7 | 56.9 | | | | | | | | | | |
| 46090.0 | 53740.0 | 0.442 | 245.7 | -19.2 | 0.74 | 1.405 | 99.6 | 0.946 | 17.672 | 340.3 | 532.6 | 0.956 | 34.389A | 1.04 | 0.100 | 153.0 | 67.5 | 27.2 | 0.164 |
| | | 9.36 | 4.99 | 14.36 | TWO | 30.874 | 310.4 | -22.7 | 56.6 | | | | | | | | | | |
| 46100.0 | 53740.0 | 0.414 | 243.0 | -6.8 | 4.12 | 1.404 | 94.7 | 0.945 | 17.708 | 350.3 | 532.5 | 0.979 | 34.438A | -2.35 | 0.100 | 152.8 | 68.0 | 26.3 | 0.164 |
| | | 8.74 | 4.99 | 13.74 | TWO | 30.874 | 310.4 | -22.7 | 56.4 | | | | | | | | | | |
| 46110.0 | 53740.0 | 0.391 | 232.0 | -23.1 | -1.15 | 1.403 | 89.8 | 0.944 | 17.725 | 0.4 | 172.4 | 0.987D | 34.463A | 2.91 | 0.101 | 152.8 | 67.8 | 27.8 | 0.164 |
| | | 8.25 | 4.99 | 13.24 | ONE | 30.874 | 310.4 | -22.7 | 56.3 | | | | | | | | | | |
| 46120.0 | 53740.0 | 0.402 | 225.4 | -19.0 | -0.51 | 1.402 | 84.9 | 0.945 | 17.723 | 10.5 | 172.5 | 0.982D | 34.465A | 2.25 | 0.101 | 152.8 | 67.8 | 27.6 | 0.164 |
| | | 8.47 | 4.99 | 13.46 | ONE | 30.874 | 310.4 | -22.7 | 56.3 | | | | | | | | | | |
| 46130.0 | 53740.0 | 0.436 | 220.1 | -16.7 | -0.34 | 1.400 | 80.0 | 0.946 | 17.703 | 20.6 | 172.6 | 0.961D | 34.444A | 2.06 | 0.100 | 153.0 | 67.7 | 27.5 | 0.164 |
| | | 9.23 | 5.00 | 14.23 | ONE | 30.874 | 310.4 | -22.7 | 56.4 | | | | | | | | | | |
| 46140.0 | 53740.0 | 0.488 | 216.9 | -15.4 | -0.26 | 1.398 | 75.0 | 0.948 | 17.665 | 30.8 | 172.7 | 0.927D | 34.403A | 1.97 | 0.100 | 153.4 | 67.4 | 27.5 | 0.165 |
| | | 10.45 | 5.00 | 15.45 | ONE | 30.874 | 310.4 | -22.7 | 56.6 | | | | | | | | | | |
| 46150.0 | 53740.0 | 0.554 | 215.9 | -14.8 | -0.21 | 1.396 | 70.1 | 0.950 | 17.611 | 40.9 | 173.0 | 0.879D | 34.343A | 1.91 | 0.099 | 153.9 | 67.0 | 27.4 | 0.166 |
| | | 12.05 | 5.01 | 17.06 | ONE | 30.874 | 310.4 | -22.7 | 57.0 | | | | | | | | | | |
| 46160.0 | 53740.0 | 0.629 | 216.7 | -14.9 | -0.19 | 1.394 | 65.1 | 0.953 | 17.543 | 51.1 | 173.3 | 0.819D | 34.268A | 1.87 | 0.098 | 154.5 | 66.6 | 27.2 | 0.167 |
| | | 13.93 | 5.02 | 18.95 | ONE | 30.874 | 310.4 | -22.7 | 57.4 | | | | | | | | | | |
| ARRIVAL DATE = 2453940.0 | | | | | | | | | | | | | | | | | | | |
| 46060.0 | 53940.0 | 0.636 | 247.5 | -21.3 | 0.28 | 1.405 | 114.4 | 0.953 | 17.105 | 309.8 | 534.0 | 0.811 | 33.398A | 1.56 | 0.090 | 152.3 | 65.1 | 26.9 | 0.162 |
| | | 14.11 | 4.98 | 19.09 | TWO | 29.075 | 311.6 | -22.3 | 60.0 | | | | | | | | | | |
| 46070.0 | 53940.0 | 0.563 | 249.2 | -21.2 | 0.35 | 1.406 | 109.6 | 0.949 | 17.182 | 319.7 | 533.7 | 0.870 | 33.494A | 1.47 | 0.092 | 151.7 | 65.7 | 27.0 | 0.162 |
| | | 12.27 | 4.97 | 17.24 | TWO | 29.075 | 311.6 | -22.3 | 59.4 | | | | | | | | | | |
| 46080.0 | 53940.0 | 0.498 | 249.0 | -20.7 | 0.49 | 1.405 | 104.7 | 0.947 | 17.246 | 329.7 | 533.4 | 0.918 | 33.574A | 1.32 | 0.093 | 151.3 | 66.1 | 27.1 | 0.161 |
| | | 10.68 | 4.96 | 15.64 | TWO | 29.075 | 311.6 | -22.3 | 59.0 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THETZ | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46090.0 | 53940.0 | 0.444 | 246.7 | -19.1 | 0.83 | 1.405 | 99.9 | 0.945 | 17.296 | 339.7 | 533.2 | 0.955 | 33.637A | 0.95 | 0.094 | 151.0 | 66.5 | 27.0 | 0.161 |
| | | 9.42 | 4.96 | 14.38 | TWO | 29.075 | 311.6 | -22.3 | 58.7 | | | | | | | | | | |
| 46100.0 | 53940.0 | 0.412 | 243.4 | -9.8 | 3.30 | 1.404 | 95.0 | 0.944 | 17.329 | 349.7 | 533.1 | 0.978 | 33.680A | -1.53 | 0.094 | 150.8 | 66.9 | 26.4 | 0.160 |
| | | 8.70 | 4.96 | 13.65 | TWO | 29.075 | 311.6 | -22.3 | 58.5 | | | | | | | | | | |
| 46110.0 | 53940.0 | 0.392 | 232.6 | -25.2 | -1.67 | 1.403 | 90.1 | 0.943 | 17.345 | 359.8 | 533.0 | 0.987 | 33.703A | 3.42 | 0.094 | 150.8 | 66.7 | 27.8 | 0.160 |
| | | 8.26 | 4.96 | 13.22 | ONE | 29.075 | 311.6 | -22.3 | 58.4 | | | | | | | | | | |
| 46120.0 | 53940.0 | 0.400 | 226.3 | -19.9 | -0.68 | 1.401 | 85.2 | 0.943 | 17.344 | 9.9 | 173.1 | 0.982D | 33.706A | 2.41 | 0.094 | 150.9 | 66.8 | 27.5 | 0.160 |
| | | 8.43 | 4.96 | 13.39 | ONE | 29.075 | 311.6 | -22.3 | 58.4 | | | | | | | | | | |
| 46130.0 | 53940.0 | 0.432 | 220.9 | -17.3 | -0.43 | 1.399 | 80.3 | 0.944 | 17.326 | 20.0 | 173.1 | 0.963D | 33.689A | 2.15 | 0.094 | 151.1 | 66.6 | 27.4 | 0.161 |
| | | 9.16 | 4.96 | 14.12 | ONE | 29.075 | 311.6 | -22.3 | 58.5 | | | | | | | | | | |
| 46140.0 | 53940.0 | 0.484 | 217.6 | -15.8 | -0.33 | 1.397 | 75.4 | 0.946 | 17.291 | 30.1 | 173.3 | 0.929D | 33.654A | 2.02 | 0.094 | 151.4 | 66.4 | 27.3 | 0.161 |
| | | 10.35 | 4.97 | 15.32 | ONE | 29.075 | 311.6 | -22.3 | 58.7 | | | | | | | | | | |
| 46150.0 | 53940.0 | 0.549 | 216.5 | -15.2 | -0.27 | 1.395 | 70.4 | 0.949 | 17.243 | 40.3 | 173.5 | 0.882D | 33.603A | 1.95 | 0.093 | 151.9 | 66.1 | 27.2 | 0.162 |
| | | 11.92 | 4.97 | 16.89 | ONE | 29.075 | 311.6 | -22.3 | 59.1 | | | | | | | | | | |
| 46160.0 | 53940.0 | 0.623 | 217.2 | -15.2 | -0.23 | 1.393 | 65.4 | 0.952 | 17.181 | 50.4 | 173.8 | 0.823D | 33.539A | 1.89 | 0.092 | 152.5 | 65.6 | 27.1 | 0.163 |
| | | 13.78 | 4.98 | 18.77 | ONE | 29.075 | 311.6 | -22.3 | 59.5 | | | | | | | | | | |

ARRIVAL DATE = 2454140.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 54140.0 | 0.640 | 248.1 | -21.3 | 0.33 | 1.405 | 114.7 | 0.952 | 16.801 | 309.2 | 534.5 | 0.807 | 32.795A | 1.53 | 0.084 | 150.2 | 64.0 | 26.7 | 0.159 |
| | | 14.24 | 4.95 | 19.19 | TWO | 31.021 | 312.8 | -22.0 | 62.1 | | | | | | | | | | |
| 46070.0 | 54140.0 | 0.567 | 249.9 | -21.2 | 0.40 | 1.405 | 109.9 | 0.949 | 16.872 | 319.1 | 534.2 | 0.866 | 32.878A | 1.43 | 0.086 | 149.6 | 64.6 | 26.8 | 0.158 |
| | | 12.38 | 4.94 | 17.32 | TWO | 31.021 | 312.8 | -22.0 | 61.6 | | | | | | | | | | |
| 46080.0 | 54140.0 | 0.501 | 249.9 | -20.7 | 0.55 | 1.405 | 105.0 | 0.946 | 16.932 | 329.0 | 534.0 | 0.915 | 32.948A | 1.26 | 0.087 | 149.2 | 65.1 | 26.9 | 0.158 |
| | | 10.77 | 4.93 | 15.70 | TWO | 31.021 | 312.8 | -22.0 | 61.1 | | | | | | | | | | |
| 46090.0 | 54140.0 | 0.447 | 247.6 | -19.0 | 0.91 | 1.405 | 100.2 | 0.944 | 16.978 | 339.0 | 533.8 | 0.953 | 33.003A | 0.88 | 0.088 | 148.9 | 65.5 | 26.8 | 0.157 |
| | | 9.48 | 4.93 | 14.41 | TWO | 31.021 | 312.8 | -22.0 | 60.8 | | | | | | | | | | |
| 46100.0 | 54140.0 | 0.412 | 244.1 | -11.3 | 2.90 | 1.404 | 95.3 | 0.943 | 17.009 | 349.1 | 533.7 | 0.977 | 33.041A | -1.13 | 0.088 | 148.7 | 65.9 | 26.3 | 0.157 |
| | | 8.70 | 4.92 | 13.63 | TWO | 31.021 | 312.8 | -22.0 | 60.6 | | | | | | | | | | |
| 46110.0 | 54140.0 | 0.394 | 233.1 | -28.0 | -2.41 | 1.402 | 90.4 | 0.942 | 17.025 | 359.1 | 533.6 | 0.987 | 33.062A | 4.16 | 0.089 | 148.6 | 65.6 | 27.8 | 0.157 |
| | | 8.30 | 4.93 | 13.22 | ONE | 31.021 | 312.8 | -22.0 | 60.5 | | | | | | | | | | |
| 46120.0 | 54140.0 | 0.398 | 227.2 | -20.8 | -0.86 | 1.401 | 85.5 | 0.942 | 17.024 | 9.2 | 173.6 | 0.983D | 33.065A | 2.59 | 0.089 | 148.7 | 65.7 | 27.4 | 0.157 |
| | | 8.40 | 4.93 | 13.33 | ONE | 31.021 | 312.8 | -22.0 | 60.5 | | | | | | | | | | |
| 46130.0 | 54140.0 | 0.429 | 221.7 | -17.9 | -0.54 | 1.399 | 80.6 | 0.943 | 17.008 | 19.4 | 173.7 | 0.965D | 33.052A | 2.24 | 0.088 | 148.9 | 65.6 | 27.3 | 0.157 |
| | | 9.09 | 4.93 | 14.02 | ONE | 31.021 | 312.8 | -22.0 | 60.6 | | | | | | | | | | |
| 46140.0 | 54140.0 | 0.480 | 218.3 | -16.2 | -0.40 | 1.397 | 75.7 | 0.945 | 16.977 | 29.5 | 173.8 | 0.932D | 33.022A | 2.08 | 0.088 | 149.2 | 65.4 | 27.2 | 0.158 |
| | | 10.25 | 4.93 | 15.18 | ONE | 31.021 | 312.8 | -22.0 | 60.8 | | | | | | | | | | |
| 46150.0 | 54140.0 | 0.544 | 217.1 | -15.5 | -0.33 | 1.395 | 70.7 | 0.948 | 16.933 | 39.6 | 174.0 | 0.886D | 32.979A | 1.99 | 0.087 | 149.7 | 65.1 | 27.1 | 0.159 |
| | | 11.79 | 4.94 | 16.73 | ONE | 31.021 | 312.8 | -22.0 | 61.1 | | | | | | | | | | |
| 46160.0 | 54140.0 | 0.617 | 217.8 | -15.5 | -0.28 | 1.393 | 65.8 | 0.951 | 16.876 | 49.7 | 174.3 | 0.828D | 32.925A | 1.92 | 0.086 | 150.4 | 64.6 | 26.9 | 0.160 |
| | | 13.64 | 4.95 | 18.58 | ONE | 31.021 | 312.8 | -22.0 | 61.5 | | | | | | | | | | |

ARRIVAL DATE = 2454340.0

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46060.0 | 54340.0 | 0.646 | 248.7 | -21.3 | 0.37 | 1.405 | 115.1 | 0.952 | 16.544 | 308.5 | 535.0 | 0.802 | 32.286A | 1.50 | 0.078 | 147.9 | 63.0 | 26.5 | 0.156 |
| | | 14.37 | 4.92 | 19.29 | TWO | 29.046 | 314.1 | -21.6 | 64.2 | | | | | | | | | | |
| 46070.0 | 54340.0 | 0.572 | 250.6 | -21.2 | 0.45 | 1.405 | 110.2 | 0.948 | 16.610 | 318.4 | 534.7 | 0.863 | 32.358A | 1.39 | 0.080 | 147.3 | 63.6 | 26.6 | 0.156 |
| | | 12.50 | 4.91 | 17.41 | TWO | 29.046 | 314.1 | -21.6 | 63.7 | | | | | | | | | | |
| 46080.0 | 54340.0 | 0.505 | 250.7 | -20.6 | 0.61 | 1.405 | 105.4 | 0.945 | 16.666 | 328.4 | 534.5 | 0.913 | 32.419A | 1.20 | 0.081 | 146.9 | 64.1 | 26.7 | 0.155 |
| | | 10.86 | 4.91 | 15.77 | TWO | 29.046 | 314.1 | -21.6 | 63.3 | | | | | | | | | | |
| 46090.0 | 54340.0 | 0.450 | 248.6 | -19.0 | 0.98 | 1.404 | 100.5 | 0.943 | 16.709 | 338.4 | 534.3 | 0.951 | 32.467A | 0.81 | 0.082 | 146.6 | 64.5 | 26.6 | 0.154 |
| | | 9.55 | 4.90 | 14.45 | TWO | 29.046 | 314.1 | -21.6 | 62.9 | | | | | | | | | | |
| 46100.0 | 54340.0 | 0.413 | 245.0 | -12.3 | 2.66 | 1.403 | 95.6 | 0.942 | 16.738 | 348.4 | 534.2 | 0.976 | 32.501A | -0.90 | 0.083 | 146.4 | 64.8 | 26.2 | 0.154 |
| | | 8.72 | 4.90 | 13.62 | TWO | 29.046 | 314.1 | -21.6 | 62.7 | | | | | | | | | | |
| 46110.0 | 54340.0 | 0.397 | 233.2 | -32.2 | -3.56 | 1.402 | 90.7 | 0.941 | 16.754 | 358.5 | 534.2 | 0.987 | 32.520A | 5.30 | 0.083 | 146.3 | 64.5 | 28.0 | 0.154 |
| | | 8.38 | 4.90 | 13.28 | ONE | 29.046 | 314.1 | -21.6 | 62.6 | | | | | | | | | | |
| 46120.0 | 54340.0 | 0.397 | 228.1 | -21.8 | -1.08 | 1.400 | 85.8 | 0.941 | 16.754 | 8.6 | 174.2 | 0.984D | 32.523A | 2.80 | 0.083 | 146.4 | 64.7 | 27.3 | 0.154 |
| | | 8.37 | 4.90 | 13.27 | ONE | 29.046 | 314.1 | -21.6 | 62.6 | | | | | | | | | | |
| 46130.0 | 54340.0 | 0.426 | 222.6 | -18.6 | -0.65 | 1.399 | 80.9 | 0.942 | 16.739 | 18.7 | 174.2 | 0.967D | 32.512A | 2.34 | 0.083 | 146.6 | 64.6 | 27.1 | 0.154 |
| | | 9.02 | 4.90 | 13.92 | ONE | 29.046 | 314.1 | -21.6 | 62.7 | | | | | | | | | | |
| 46140.0 | 54340.0 | 0.475 | 219.1 | -16.7 | -0.48 | 1.397 | 76.0 | 0.944 | 16.711 | 28.8 | 174.4 | 0.935D | 32.488A | 2.15 | 0.082 | 146.9 | 64.4 | 27.0 | 0.155 |
| | | 10.15 | 4.90 | 15.05 | ONE | 29.046 | 314.1 | -21.6 | 62.9 | | | | | | | | | | |
| 46150.0 | 54340.0 | 0.539 | 217.8 | -15.9 | -0.38 | 1.395 | 71.1 | 0.947 | 16.670 | 38.9 | 174.5 | 0.890D | 32.451A | 2.03 | 0.081 | 147.4 | 64.1 | 26.9 | 0.155 |
| | | 11.67 | 4.91 | 16.58 | ONE | 29.046 | 314.1 | -21.6 | 63.2 | | | | | | | | | | |
| 46160.0 | 54340.0 | 0.611 | 218.3 | -15.8 | -0.33 | 1.393 | 66.2 | 0.950 | 16.619 | 49.0 | 174.8 | 0.833D | 32.405A | 1.95 | 0.080 | 148.0 | 63.7 | 26.8 | 0.156 |
| | | 13.48 | 4.92 | 18.41 | ONE | 29.046 | 314.1 | -21.6 | 63.6 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2454540.0** | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 54540.0 | 0.577 | 251.3 | -21.2 | 0.50 | 1.405 | 110.6 | 0.948 | 16.388 | 317.7 | 535.2 | 0.859 | 31.917A | 1.35 | 0.075 | 144.8 | 62.6 | 26.4 | 0.153 |
| | | 12.62 | 4.89 | 17.51 | TWO | 30.869 | 315.3 | -21.2 | 65.8 | | | | | | | | | | |
| 46080.0 | 54540.0 | 0.510 | 251.5 | -20.6 | 0.67 | 1.404 | 105.7 | 0.945 | 16.440 | 327.7 | 535.0 | 0.910 | 31.971A | 1.16 | 0.076 | 144.4 | 63.1 | 26.5 | 0.152 |
| | | 10.96 | 4.88 | 15.84 | TWO | 30.869 | 315.3 | -21.2 | 65.4 | | | | | | | | | | |
| 46090.0 | 54540.0 | 0.453 | 249.6 | -18.9 | 1.04 | 1.404 | 100.8 | 0.942 | 16.481 | 337.7 | 534.8 | 0.949 | 32.013A | 0.76 | 0.077 | 144.1 | 63.5 | 26.4 | 0.152 |
| | | 9.63 | 4.88 | 14.50 | TWO | 30.869 | 315.3 | -21.2 | 65.0 | | | | | | | | | | |
| 46100.0 | 54540.0 | 0.414 | 246.0 | -13.0 | 2.51 | 1.403 | 95.9 | 0.941 | 16.509 | 347.7 | 534.7 | 0.975 | 32.043A | -0.74 | 0.078 | 143.9 | 63.9 | 26.0 | 0.151 |
| | | 8.75 | 4.87 | 13.63 | TWO | 30.869 | 315.3 | -21.2 | 64.8 | | | | | | | | | | |
| 46110.0 | 54540.0 | 0.408 | 232.5 | -39.1 | -5.57 | 1.402 | 91.1 | 0.940 | 16.524 | 357.8 | 534.7 | 0.987 | 32.060A | 7.31 | 0.078 | 143.8 | 63.3 | 28.4 | 0.151 |
| | | 8.60 | 4.88 | 13.48 | ONE | 30.869 | 315.3 | -21.2 | 64.8 | | | | | | | | | | |
| 46120.0 | 54540.0 | 0.396 | 229.0 | -23.0 | -1.34 | 1.400 | 86.2 | 0.940 | 16.524 | 7.9 | 174.7 | 0.985D | 32.064A | 3.05 | 0.078 | 143.9 | 63.7 | 27.2 | 0.151 |
| | | 8.35 | 4.87 | 13.22 | ONE | 30.869 | 315.3 | -21.2 | 64.7 | | | | | | | | | | |
| 46130.0 | 54540.0 | 0.423 | 223.5 | -19.3 | -0.77 | 1.398 | 81.3 | 0.941 | 16.512 | 18.0 | 174.7 | 0.968D | 32.055A | 2.46 | 0.078 | 144.0 | 63.7 | 27.0 | 0.151 |
| | | 8.96 | 4.88 | 13.83 | ONE | 30.869 | 315.3 | -21.2 | 64.8 | | | | | | | | | | |
| 46140.0 | 54540.0 | 0.471 | 219.9 | -17.2 | -0.56 | 1.396 | 76.4 | 0.943 | 16.486 | 28.1 | 174.8 | 0.938D | 32.034A | 2.21 | 0.077 | 144.4 | 63.5 | 26.9 | 0.152 |
| | | 10.05 | 4.88 | 14.93 | ONE | 30.869 | 315.3 | -21.2 | 65.0 | | | | | | | | | | |
| 46150.0 | 54540.0 | 0.533 | 218.5 | -16.3 | -0.45 | 1.394 | 71.5 | 0.946 | 16.449 | 38.2 | 175.0 | 0.894D | 32.003A | 2.07 | 0.076 | 144.8 | 63.2 | 26.7 | 0.153 |
| | | 11.54 | 4.89 | 16.43 | ONE | 30.869 | 315.3 | -21.2 | 65.3 | | | | | | | | | | |
| 46160.0 | 54540.0 | 0.605 | 218.9 | -16.1 | -0.38 | 1.392 | 66.5 | 0.949 | 16.401 | 48.3 | 175.2 | 0.837D | 31.964A | 1.98 | 0.075 | 145.5 | 62.8 | 26.6 | 0.154 |
| | | 13.33 | 4.90 | 18.23 | ONE | 30.869 | 315.3 | -21.2 | 65.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2454740.0** | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 54740.0 | 0.582 | 252.0 | -21.2 | 0.55 | 1.404 | 110.9 | 0.947 | 16.199 | 317.0 | 535.7 | 0.855 | 31.544A | 1.31 | 0.070 | 142.1 | 61.7 | 26.2 | 0.151 |
| | | 12.75 | 4.87 | 17.62 | TWO | 29.314 | 316.5 | -20.7 | 67.9 | | | | | | | | | | |
| 46080.0 | 54740.0 | 0.514 | 252.4 | -20.6 | 0.72 | 1.404 | 106.0 | 0.944 | 16.248 | 327.0 | 535.5 | 0.906 | 31.590A | 1.11 | 0.071 | 141.7 | 62.1 | 26.3 | 0.150 |
| | | 11.07 | 4.86 | 15.93 | TWO | 29.314 | 316.5 | -20.7 | 67.5 | | | | | | | | | | |
| 46090.0 | 54740.0 | 0.456 | 250.6 | -18.9 | 1.09 | 1.404 | 101.2 | 0.942 | 16.287 | 337.0 | 535.3 | 0.946 | 31.628A | 0.71 | 0.072 | 141.3 | 62.5 | 26.2 | 0.149 |
| | | 9.71 | 4.86 | 14.56 | TWO | 29.314 | 316.5 | -20.7 | 67.1 | | | | | | | | | | |
| 46100.0 | 54740.0 | 0.416 | 247.0 | -13.6 | 2.40 | 1.403 | 96.3 | 0.940 | 16.314 | 347.0 | 535.2 | 0.974 | 31.654A | -0.64 | 0.073 | 141.1 | 62.9 | 25.9 | 0.149 |
| | | 8.79 | 4.85 | 13.65 | TWO | 29.314 | 316.5 | -20.7 | 66.9 | | | | | | | | | | |
| 46110.0 | 54740.0 | 0.443 | 228.6 | -52.8 | -10.03 | 1.401 | 91.4 | 0.940 | 16.328 | 357.1 | 535.2 | 0.987 | 31.670A | 11.76 | 0.073 | 141.1 | 61.9 | 29.6 | 0.150 |
| | | 9.40 | 4.86 | 14.26 | ONE | 29.314 | 316.5 | -20.7 | 67.0 | | | | | | | | | | |
| 46120.0 | 54740.0 | 0.395 | 230.0 | -24.4 | -1.64 | 1.400 | 86.5 | 0.940 | 16.330 | 7.2 | 175.2 | 0.986D | 31.674A | 3.35 | 0.073 | 141.1 | 62.7 | 27.1 | 0.149 |
| | | 8.33 | 4.85 | 13.18 | ONE | 29.314 | 316.5 | -20.7 | 66.8 | | | | | | | | | | |
| 46130.0 | 54740.0 | 0.421 | 224.5 | -20.0 | -0.91 | 1.398 | 81.6 | 0.941 | 16.318 | 17.3 | 175.2 | 0.970D | 31.667A | 2.58 | 0.073 | 141.3 | 62.7 | 26.9 | 0.149 |
| | | 8.89 | 4.85 | 13.75 | ONE | 29.314 | 316.5 | -20.7 | 66.8 | | | | | | | | | | |
| 46140.0 | 54740.0 | 0.467 | 220.7 | -17.8 | -0.64 | 1.396 | 76.7 | 0.942 | 16.295 | 27.4 | 175.3 | 0.941D | 31.649A | 2.29 | 0.073 | 141.6 | 62.5 | 26.7 | 0.150 |
| | | 9.95 | 4.86 | 14.81 | ONE | 29.314 | 316.5 | -20.7 | 67.0 | | | | | | | | | | |
| 46150.0 | 54740.0 | 0.528 | 219.2 | -16.7 | -0.51 | 1.394 | 71.8 | 0.945 | 16.260 | 37.5 | 175.5 | 0.898D | 31.623A | 2.12 | 0.072 | 142.1 | 62.3 | 26.6 | 0.150 |
| | | 11.41 | 4.87 | 16.28 | ONE | 29.314 | 316.5 | -20.7 | 67.3 | | | | | | | | | | |
| 46160.0 | 54740.0 | 0.599 | 219.6 | -16.4 | -0.44 | 1.392 | 66.9 | 0.948 | 16.216 | 47.5 | 175.7 | 0.842D | 31.589A | 2.01 | 0.070 | 142.7 | 61.9 | 26.4 | 0.151 |
| | | 13.18 | 4.87 | 18.06 | ONE | 29.314 | 316.5 | -20.7 | 67.7 | | | | | | | | | | |
| **ARRIVAL DATE = 2454940.0** | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 54940.0 | 0.587 | 252.8 | -21.2 | 0.59 | 1.404 | 111.3 | 0.947 | 16.039 | 316.2 | 536.1 | 0.850 | 31.228A | 1.28 | 0.065 | 139.1 | 60.7 | 26.0 | 0.149 |
| | | 12.88 | 4.85 | 17.73 | TWO | 30.463 | 317.7 | -20.3 | 69.3 | | | | | | | | | | |
| 46080.0 | 54940.0 | 0.519 | 253.3 | -20.6 | 0.76 | 1.404 | 106.4 | 0.944 | 16.086 | 326.2 | 536.0 | 0.903 | 31.268A | 1.07 | 0.067 | 138.7 | 61.2 | 26.1 | 0.148 |
| | | 11.18 | 4.84 | 16.02 | TWO | 30.463 | 317.7 | -20.3 | 69.5 | | | | | | | | | | |
| 46090.0 | 54940.0 | 0.460 | 251.7 | -19.0 | 1.13 | 1.403 | 101.5 | 0.941 | 16.122 | 336.3 | 535.8 | 0.944 | 31.301A | 0.67 | 0.068 | 138.4 | 61.6 | 26.0 | 0.147 |
| | | 9.79 | 4.84 | 14.63 | TWO | 30.463 | 317.7 | -20.3 | 69.2 | | | | | | | | | | |
| 46100.0 | 54940.0 | 0.418 | 248.1 | -14.1 | 2.32 | 1.402 | 96.6 | 0.940 | 16.148 | 346.3 | 535.7 | 0.972 | 31.324A | -0.55 | 0.069 | 138.2 | 62.0 | 25.7 | 0.147 |
| | | 8.84 | 4.83 | 13.67 | TWO | 30.463 | 317.7 | -20.3 | 68.9 | | | | | | | | | | |
| 46120.0 | 54940.0 | 0.395 | 230.9 | -26.0 | -2.91 | 1.400 | 86.9 | 0.939 | 16.164 | 6.5 | 175.7 | 0.987D | 31.342A | 3.71 | 0.069 | 138.2 | 61.8 | 27.0 | 0.147 |
| | | 8.32 | 4.83 | 13.15 | ONE | 30.463 | 317.7 | -20.3 | 68.8 | | | | | | | | | | |
| 46130.0 | 54940.0 | 0.418 | 225.4 | -20.8 | -1.96 | 1.398 | 82.0 | 0.940 | 16.155 | 16.6 | 175.7 | 0.972D | 31.337A | 2.73 | 0.069 | 138.3 | 61.8 | 26.7 | 0.147 |
| | | 8.83 | 4.83 | 13.67 | ONE | 30.463 | 317.7 | -20.3 | 68.9 | | | | | | | | | | |
| 46140.0 | 54940.0 | 0.463 | 221.6 | -18.3 | -0.74 | 1.396 | 77.1 | 0.942 | 16.133 | 26.6 | 175.8 | 0.943D | 31.323A | 2.37 | 0.068 | 138.6 | 61.6 | 26.6 | 0.147 |
| | | 9.85 | 4.84 | 14.69 | ONE | 30.463 | 317.7 | -20.3 | 69.0 | | | | | | | | | | |
| 46150.0 | 54940.0 | 0.523 | 219.9 | -17.1 | -0.58 | 1.394 | 72.2 | 0.944 | 16.101 | 36.7 | 175.9 | 0.901D | 31.301A | 2.17 | 0.067 | 139.1 | 61.4 | 26.4 | 0.148 |
| | | 11.28 | 4.85 | 16.13 | ONE | 30.463 | 317.7 | -20.3 | 69.3 | | | | | | | | | | |
| 46160.0 | 54940.0 | 0.593 | 220.2 | -16.8 | -0.49 | 1.392 | 67.3 | 0.947 | 16.060 | 46.7 | 176.1 | 0.847D | 31.272A | 2.04 | 0.066 | 139.6 | 61.0 | 26.3 | 0.149 |
| | | 13.03 | 4.86 | 17.88 | ONE | 30.463 | 317.7 | -20.3 | 69.6 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2455340.0** | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 55340.0 | 0.599 | 254.3 | -21.2 | 0.67 | 1.404 | 112.0 | 0.947 | 15.789 | 314.7 | 537.0 | 0.841 | 30.737A | 1.22 | 0.058 | 132.3 | 59.0 | 25.6 | 0.146 |
| | | 13.17 | 4.83 | 17.99 | TWO | 29.923 | 320.0 | -19.4 | 73.9 | | | | | | | | | | |
| 46080.0 | 55340.0 | 0.529 | 255.0 | -20.6 | 0.85 | 1.404 | 107.1 | 0.943 | 15.831 | 324.7 | 536.8 | 0.896 | 30.767A | 1.00 | 0.059 | 131.9 | 59.5 | 25.7 | 0.145 |
| | | 11.42 | 4.82 | 16.24 | TWO | 29.923 | 320.0 | -19.4 | 73.5 | | | | | | | | | | |
| 46090.0 | 55340.0 | 0.468 | 253.8 | -19.1 | 1.21 | 1.403 | 102.2 | 0.941 | 15.865 | 334.8 | 536.7 | 0.939 | 30.792A | 0.60 | 0.060 | 131.7 | 59.9 | 25.6 | 0.144 |
| | | 9.98 | 4.81 | 14.79 | TWO | 29.923 | 320.0 | -19.4 | 73.2 | | | | | | | | | | |
| 46100.0 | 55340.0 | 0.423 | 250.4 | -14.9 | 2.21 | 1.402 | 97.4 | 0.939 | 15.889 | 344.8 | 536.6 | 0.969 | 30.810A | -0.44 | 0.061 | 131.5 | 60.2 | 25.4 | 0.143 |
| | | 8.95 | 4.80 | 13.76 | TWO | 29.923 | 320.0 | -19.4 | 73.0 | | | | | | | | | | |
| 46110.0 | 55340.0 | 0.504 | 252.5 | 24.6 | 15.17 | 1.401 | 92.5 | 0.938 | 15.903 | 354.8 | 536.6 | 0.986 | 30.821A | -13.45 | 0.061 | 131.5 | 61.3 | 21.4 | 0.145 |
| | | 10.82 | 4.82 | 15.64 | TWO | 29.923 | 320.0 | -19.4 | 73.0 | | | | | | | | | | |
| 46120.0 | 55340.0 | 0.396 | 232.6 | -30.3 | -3.07 | 1.399 | 87.6 | 0.938 | 15.906 | 5.0 | 176.5 | 0.988D | 30.825A | 4.76 | 0.062 | 131.5 | 59.9 | 27.0 | 0.143 |
| | | 8.34 | 4.80 | 13.14 | ONE | 29.923 | 320.0 | -19.4 | 72.8 | | | | | | | | | | |
| 46130.0 | 55340.0 | 0.413 | 227.5 | -22.7 | -1.42 | 1.398 | 82.7 | 0.939 | 15.899 | 15.0 | 176.6 | 0.976D | 30.822A | 3.07 | 0.061 | 131.6 | 60.0 | 26.5 | 0.143 |
| | | 8.72 | 4.80 | 13.52 | ONE | 29.923 | 320.0 | -19.4 | 72.8 | | | | | | | | | | |
| 46140.0 | 55340.0 | 0.455 | 223.4 | -19.6 | -0.95 | 1.396 | 77.8 | 0.940 | 15.881 | 25.1 | 176.6 | 0.949D | 30.812A | 2.55 | 0.061 | 131.9 | 59.9 | 26.3 | 0.144 |
| | | 9.66 | 4.81 | 14.47 | ONE | 29.923 | 320.0 | -19.4 | 73.0 | | | | | | | | | | |
| 46150.0 | 55340.0 | 0.512 | 221.5 | -18.0 | -0.73 | 1.394 | 73.0 | 0.943 | 15.853 | 35.1 | 176.7 | 0.909D | 30.797A | 2.28 | 0.060 | 132.2 | 59.7 | 26.1 | 0.145 |
| | | 11.03 | 4.82 | 15.85 | ONE | 29.923 | 320.0 | -19.4 | 73.2 | | | | | | | | | | |
| 46160.0 | 55340.0 | 0.581 | 221.6 | -17.5 | -0.60 | 1.391 | 68.1 | 0.946 | 15.817 | 45.1 | 176.9 | 0.857D | 30.777A | 2.12 | 0.059 | 132.8 | 59.4 | 26.0 | 0.146 |
| | | 12.72 | 4.82 | 17.55 | ONE | 29.923 | 320.0 | -19.4 | 73.5 | | | | | | | | | | |
| **ARRIVAL DATE = 2455740.0** | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 55740.0 | 0.611 | 255.8 | -21.2 | 0.74 | 1.404 | 112.8 | 0.947 | 15.613 | 313.1 | 537.8 | 0.832 | 30.395A | 1.17 | 0.051 | 124.3 | 57.5 | 25.2 | 0.144 |
| | | 13.48 | 4.81 | 18.28 | TWO | 29.402 | 322.4 | -18.5 | 77.8 | | | | | | | | | | |
| 46080.0 | 55740.0 | 0.539 | 256.8 | -20.6 | 0.92 | 1.403 | 107.9 | 0.943 | 15.652 | 323.1 | 537.6 | 0.888 | 30.417A | 0.94 | 0.053 | 124.1 | 57.9 | 25.3 | 0.142 |
| | | 11.69 | 4.80 | 16.48 | TWO | 29.402 | 322.4 | -18.5 | 77.4 | | | | | | | | | | |
| 46090.0 | 55740.0 | 0.477 | 255.9 | -19.2 | 1.27 | 1.403 | 103.0 | 0.941 | 15.684 | 333.2 | 537.5 | 0.933 | 30.435A | 0.54 | 0.054 | 123.9 | 58.3 | 25.2 | 0.142 |
| | | 10.19 | 4.79 | 14.98 | TWO | 29.402 | 322.4 | -18.5 | 77.1 | | | | | | | | | | |
| 46100.0 | 55740.0 | 0.429 | 252.8 | -15.6 | 2.13 | 1.402 | 98.1 | 0.939 | 15.707 | 343.2 | 537.4 | 0.965 | 30.448A | -0.37 | 0.055 | 123.9 | 58.6 | 25.0 | 0.141 |
| | | 9.08 | 4.78 | 13.87 | TWO | 29.402 | 322.4 | -18.5 | 76.8 | | | | | | | | | | |
| 46110.0 | 55740.0 | 0.424 | 250.1 | 2.9 | 7.33 | 1.401 | 93.2 | 0.937 | 15.721 | 353.3 | 537.4 | 0.984 | 30.457A | -5.62 | 0.055 | 123.8 | 59.2 | 23.4 | 0.141 |
| | | 8.98 | 4.78 | 13.76 | TWO | 29.402 | 322.4 | -18.5 | 76.7 | | | | | | | | | | |
| 46120.0 | 55740.0 | 0.402 | 233.7 | -37.3 | -4.97 | 1.399 | 88.3 | 0.937 | 15.725 | 3.4 | 177.4 | 0.989D | 30.463A | 6.63 | 0.056 | 123.9 | 58.2 | 27.3 | 0.141 |
| | | 8.49 | 4.78 | 13.27 | ONE | 29.402 | 322.4 | -18.5 | 76.7 | | | | | | | | | | |
| 46130.0 | 55740.0 | 0.408 | 229.7 | -24.9 | -1.89 | 1.397 | 83.5 | 0.938 | 15.719 | 13.5 | 177.4 | 0.979D | 30.459A | 3.51 | 0.055 | 124.0 | 58.5 | 26.3 | 0.141 |
| | | 8.62 | 4.78 | 13.41 | ONE | 29.402 | 322.4 | -18.5 | 76.7 | | | | | | | | | | |
| 46140.0 | 55740.0 | 0.447 | 225.4 | -21.0 | -1.19 | 1.395 | 78.6 | 0.939 | 15.704 | 23.5 | 177.4 | 0.955D | 30.453A | 2.76 | 0.055 | 124.1 | 58.4 | 26.0 | 0.141 |
| | | 9.48 | 4.79 | 14.27 | ONE | 29.402 | 322.4 | -18.5 | 76.8 | | | | | | | | | | |
| 46150.0 | 55740.0 | 0.502 | 223.2 | -19.0 | -0.89 | 1.393 | 73.8 | 0.942 | 15.680 | 33.5 | 177.5 | 0.917D | 30.443A | 2.41 | 0.054 | 124.4 | 58.2 | 25.8 | 0.142 |
| | | 10.78 | 4.79 | 15.57 | ONE | 29.402 | 322.4 | -18.5 | 77.0 | | | | | | | | | | |
| 46160.0 | 55740.0 | 0.569 | 223.0 | -18.2 | -0.73 | 1.391 | 68.9 | 0.945 | 15.648 | 43.5 | 177.6 | 0.867D | 30.429A | 2.20 | 0.053 | 124.8 | 58.0 | 25.7 | 0.143 |
| | | 12.42 | 4.80 | 17.22 | ONE | 29.402 | 322.4 | -18.5 | 77.3 | | | | | | | | | | |
| 46170.0 | 55740.0 | 0.643 | 224.4 | -18.2 | -0.63 | 1.389 | 64.0 | 0.948 | 15.609 | 53.4 | 177.8 | 0.806D | 30.412A | 2.05 | 0.051 | 125.3 | 57.6 | 25.5 | 0.144 |
| | | 14.31 | 4.81 | 19.12 | ONE | 29.402 | 322.4 | -18.5 | 77.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2456140.0** | | | | | | | | | | | | | | | | | | | |
| 46070.0 | 56140.0 | 0.624 | 257.3 | -21.3 | 0.81 | 1.403 | 113.6 | 0.947 | 15.495 | 311.4 | 538.5 | 0.821 | 30.168A | 1.12 | 0.047 | 115.1 | 56.2 | 24.9 | 0.142 |
| | | 13.81 | 4.80 | 18.60 | TWO | 29.050 | 324.7 | -17.6 | 81.4 | | | | | | | | | | |
| 46080.0 | 56140.0 | 0.551 | 258.6 | -20.6 | 0.99 | 1.403 | 108.7 | 0.943 | 15.531 | 321.4 | 538.4 | 0.880 | 30.183A | 0.88 | 0.048 | 115.1 | 56.6 | 24.9 | 0.141 |
| | | 11.97 | 4.78 | 16.76 | TWO | 29.050 | 324.7 | -17.6 | 81.0 | | | | | | | | | | |
| 46090.0 | 56140.0 | 0.487 | 258.0 | -19.3 | 1.32 | 1.403 | 103.8 | 0.940 | 15.561 | 331.5 | 538.3 | 0.927 | 30.195A | 0.50 | 0.049 | 115.2 | 57.0 | 24.9 | 0.140 |
| | | 10.41 | 4.78 | 15.19 | TWO | 29.050 | 324.7 | -17.6 | 80.7 | | | | | | | | | | |
| 46100.0 | 56140.0 | 0.436 | 255.2 | -16.1 | 2.08 | 1.402 | 98.9 | 0.938 | 15.583 | 341.8 | 538.2 | 0.961 | 30.204A | -0.32 | 0.050 | 115.2 | 57.3 | 24.7 | 0.139 |
| | | 9.24 | 4.77 | 14.01 | TWO | 29.050 | 324.7 | -17.6 | 80.5 | | | | | | | | | | |
| 46110.0 | 56140.0 | 0.414 | 251.5 | -4.2 | 5.25 | 1.400 | 94.0 | 0.937 | 15.596 | 351.7 | 538.2 | 0.982 | 30.211A | -3.54 | 0.051 | 115.3 | 57.7 | 23.7 | 0.139 |
| | | 8.75 | 4.77 | 13.52 | TWO | 29.050 | 324.7 | -17.6 | 80.4 | | | | | | | | | | |
| 46120.0 | 56140.0 | 0.434 | 232.0 | -51.4 | -9.31 | 1.399 | 89.1 | 0.937 | 15.601 | 1.8 | 178.1 | 0.989D | 30.213A | 10.96 | 0.051 | 115.3 | 56.3 | 28.3 | 0.140 |
| | | 9.19 | 4.77 | 13.96 | ONE | 29.050 | 324.7 | -17.6 | 80.4 | | | | | | | | | | |
| 46130.0 | 56140.0 | 0.405 | 231.9 | -27.7 | -2.51 | 1.397 | 84.3 | 0.937 | 15.597 | 11.8 | 178.2 | 0.982D | 30.213A | 4.11 | 0.051 | 115.4 | 57.0 | 26.2 | 0.139 |
| | | 8.55 | 4.77 | 13.32 | ONE | 29.050 | 324.7 | -17.6 | 80.3 | | | | | | | | | | |
| 46140.0 | 56140.0 | 0.439 | 227.5 | -22.5 | -1.48 | 1.395 | 79.4 | 0.938 | 15.585 | 21.8 | 178.2 | 0.960D | 30.209A | 3.03 | 0.050 | 115.5 | 57.1 | 25.8 | 0.139 |
| | | 9.31 | 4.77 | 14.08 | ONE | 29.050 | 324.7 | -17.6 | 80.4 | | | | | | | | | | |
| 46150.0 | 56140.0 | 0.492 | 225.0 | -20.1 | -1.07 | 1.393 | 74.6 | 0.941 | 15.564 | 31.8 | 178.3 | 0.925D | 30.203A | 2.56 | 0.050 | 115.6 | 56.9 | 25.6 | 0.140 |
| | | 10.53 | 4.78 | 15.31 | ONE | 29.050 | 324.7 | -17.6 | 80.6 | | | | | | | | | | |

1985
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46160.0 | 56140.0 | 0.557 | 224.6 | -19.0 | -0.86 | 1.391 | 69.7 | 0.944 | 15.535 | 41.8 | 178.3 | 0.877D | 30.194A | 2.30 | 0.048 | 115.8 | 56.7 | 25.4 | 0.141 |
| | | 12.11 | 4.79 | 16.90 | ONE | 29.050 | 324.7 | -17.6 | 80.8 | | | | | | | | | | |
| 46170.0 | 56140.0 | 0.630 | 225.8 | -18.8 | -0.74 | 1.389 | 64.9 | 0.947 | 15.501 | 51.7 | 178.4 | 0.818D | 30.184A | 2.11 | 0.047 | 116.0 | 56.4 | 25.3 | 0.143 |
| | | 13.96 | 4.80 | 18.76 | ONE | 29.050 | 324.7 | -17.6 | 81.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2456540.0 | | | | | | | | | | | |
| 46070.0 | 56540.0 | 0.637 | 258.9 | -21.3 | 0.87 | 1.403 | 114.5 | 0.947 | 15.421 | 309.6 | 539.1 | 0.810 | 30.032A | 1.08 | 0.043 | 105.0 | 55.1 | 24.6 | 0.142 |
| | | 14.16 | 4.79 | 18.95 | TWO | 28.974 | 327.0 | -16.7 | 84.9 | | | | | | | | | | |
| 46080.0 | 56540.0 | 0.563 | 260.4 | -20.7 | 1.05 | 1.403 | 109.5 | 0.944 | 15.455 | 319.7 | 539.1 | 0.870 | 30.040A | 0.84 | 0.045 | 105.4 | 55.5 | 24.6 | 0.140 |
| | | 12.28 | 4.78 | 17.05 | TWO | 28.974 | 327.0 | -16.7 | 84.5 | | | | | | | | | | |
| 46090.0 | 56540.0 | 0.497 | 260.1 | -19.4 | 1.36 | 1.403 | 104.6 | 0.941 | 15.483 | 329.8 | 539.0 | 0.920 | 30.047A | 0.46 | 0.046 | 105.7 | 55.8 | 24.6 | 0.139 |
| | | 10.66 | 4.77 | 15.43 | TWO | 28.974 | 327.0 | -16.7 | 84.2 | | | | | | | | | | |
| 46100.0 | 56540.0 | 0.444 | 257.7 | -16.6 | 2.03 | 1.402 | 99.7 | 0.938 | 15.505 | 339.9 | 538.9 | 0.957 | 30.052A | -0.28 | 0.047 | 105.9 | 56.1 | 24.4 | 0.138 |
| | | 9.41 | 4.76 | 14.17 | TWO | 28.974 | 327.0 | -16.7 | 84.0 | | | | | | | | | | |
| 46110.0 | 56540.0 | 0.414 | 253.7 | -7.9 | 4.29 | 1.400 | 94.8 | 0.937 | 15.518 | 350.0 | 538.9 | 0.980 | 30.056A | -2.59 | 0.048 | 106.1 | 56.5 | 23.7 | 0.138 |
| | | 8.74 | 4.76 | 13.50 | TWO | 28.974 | 327.0 | -16.7 | 83.9 | | | | | | | | | | |
| 46130.0 | 56540.0 | 0.404 | 234.0 | -31.4 | -3.39 | 1.397 | 85.1 | 0.937 | 15.521 | 10.1 | 178.9 | 0.985D | 30.058A | 4.97 | 0.048 | 106.2 | 55.8 | 26.2 | 0.138 |
| | | 8.53 | 4.76 | 13.29 | ONE | 28.974 | 327.0 | -16.7 | 83.8 | | | | | | | | | | |
| 46140.0 | 56540.0 | 0.432 | 229.7 | -24.3 | -1.83 | 1.395 | 80.3 | 0.938 | 15.511 | 20.1 | 178.9 | 0.965D | 30.057A | 3.35 | 0.048 | 106.2 | 55.9 | 25.6 | 0.138 |
| | | 9.15 | 4.76 | 13.91 | ONE | 28.974 | 327.0 | -16.7 | 83.9 | | | | | | | | | | |
| 46150.0 | 56540.0 | 0.481 | 226.9 | -21.3 | -1.28 | 1.393 | 75.4 | 0.940 | 15.493 | 30.1 | 178.9 | 0.932D | 30.053A | 2.74 | 0.047 | 106.2 | 55.8 | 25.4 | 0.139 |
| | | 10.29 | 4.77 | 15.06 | ONE | 28.974 | 327.0 | -16.7 | 84.0 | | | | | | | | | | |
| 46160.0 | 56540.0 | 0.544 | 226.2 | -19.9 | -1.01 | 1.391 | 70.6 | 0.943 | 15.467 | 40.0 | 179.0 | 0.887D | 30.048A | 2.41 | 0.046 | 106.1 | 55.6 | 25.2 | 0.140 |
| | | 11.81 | 4.78 | 16.59 | ONE | 28.974 | 327.0 | -16.7 | 84.2 | | | | | | | | | | |
| 46170.0 | 56540.0 | 0.616 | 227.2 | -19.5 | -0.85 | 1.389 | 65.8 | 0.946 | 15.436 | 49.9 | 179.1 | 0.829D | 30.042A | 2.18 | 0.044 | 106.0 | 55.4 | 25.0 | 0.141 |
| | | 13.61 | 4.79 | 18.40 | ONE | 28.974 | 327.0 | -16.7 | 84.5 | | | | | | | | | | |

1986
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SNA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARRIVAL DATE = 2448310.0** | | | | | | | | | | | | | | | | | | | |
| **ARRIVAL DATE = 2448510.0** | | | | | | | | | | | | | | | | | | | |
| 46480.0 | 48510.0 | 0.619 | 255.8 | -19.9 | 1.12 | 1.611 | 96.1 | 1.559 | -1.753 | 349.9 | 486.0 | 0.979 | NA | 0.78 | 0.798 | 176.2 | 85.8 | 28.8 | 0.808 |
| | | 13.67 | 17.89 | 31.56 | ONE | 29.714 | 276.3 | -28.7 | 9.2 | | | | | | | | | | |
| 46490.0 | 48510.0 | 0.602 | 250.0 | -19.6 | 0.96 | 1.610 | 90.2 | 1.568 | -1.743 | 359.7 | 485.7 | 0.991 | NA | 1.03 | 0.800 | 176.2 | 85.9 | 28.8 | 0.810 |
| | | 13.24 | 17.94 | 31.18 | ONE | 29.714 | 276.3 | -28.7 | 9.2 | | | | | | | | | | |
| 46500.0 | 48510.0 | 0.613 | 243.5 | -18.9 | 0.87 | 1.609 | 84.1 | 1.567 | -1.735 | 9.7 | 125.8 | 0.985D | NA | 1.21 | 0.802 | 176.2 | 85.9 | 28.8 | 0.812 |
| | | 13.54 | 17.98 | 31.52 | ONE | 29.714 | 276.3 | -28.7 | 9.1 | | | | | | | | | | |
| **ARRIVAL DATE = 2448710.0** | | | | | | | | | | | | | | | | | | | |
| 46470.0 | 48710.0 | 0.605 | 256.3 | -19.3 | 1.38 | 1.571 | 100.0 | 1.425 | -2.263 | 343.0 | 490.4 | 0.961 | NA | 0.44 | 0.713 | 175.9 | 85.8 | 28.8 | 0.724 |
| | | 13.34 | 15.78 | 29.11 | ONE | 30.346 | 277.7 | -28.6 | 10.4 | | | | | | | | | | |
| 46480.0 | 48710.0 | 0.571 | 251.7 | -19.3 | 1.10 | 1.571 | 94.4 | 1.437 | -2.249 | 352.5 | 489.8 | 0.983 | NA | 0.80 | 0.715 | 175.9 | 85.9 | 28.8 | 0.726 |
| | | 12.47 | 15.82 | 28.29 | ONE | 30.346 | 277.7 | -28.6 | 10.3 | | | | | | | | | | |
| 46490.0 | 48710.0 | 0.561 | 245.4 | -18.9 | 0.94 | 1.570 | 88.6 | 1.442 | -2.238 | 2.4 | 129.6 | 0.990D | NA | 1.04 | 0.716 | 175.9 | 85.9 | 28.8 | 0.728 |
| | | 12.23 | 15.86 | 28.09 | ONE | 30.346 | 277.7 | -28.6 | 10.3 | | | | | | | | | | |
| 46500.0 | 48710.0 | 0.581 | 238.8 | -18.1 | 0.84 | 1.569 | 82.6 | 1.439 | -2.230 | 12.5 | 129.8 | 0.979D | NA | 1.23 | 0.717 | 175.9 | 85.9 | 28.8 | 0.729 |
| | | 12.71 | 15.89 | 28.60 | ONE | 30.346 | 277.7 | -28.6 | 10.3 | | | | | | | | | | |
| 46510.0 | 48710.0 | 0.628 | 233.3 | -17.2 | 0.78 | 1.568 | 76.4 | 1.427 | -2.224 | 23.1 | 130.3 | 0.949D | NA | 1.38 | 0.718 | 176.0 | 85.8 | 28.8 | 0.730 |
| | | 13.92 | 15.91 | 29.83 | ONE | 30.346 | 277.7 | -28.6 | 10.4 | | | | | | | | | | |
| **ARRIVAL DATE = 2448910.0** | | | | | | | | | | | | | | | | | | | |
| 46460.0 | 48910.0 | 0.612 | 256.3 | -18.0 | 1.96 | 1.541 | 103.8 | 1.323 | -2.899 | 335.8 | 494.5 | 0.936 | NA | -0.20 | 0.641 | 175.6 | 85.7 | 28.7 | 0.654 |
| | | 13.51 | 14.07 | 27.58 | ONE | 30.244 | 279.0 | -28.5 | 11.7 | | | | | | | | | | |
| 46470.0 | 48910.0 | 0.564 | 253.1 | -18.8 | 1.37 | 1.541 | 98.5 | 1.336 | -2.877 | 345.2 | 493.8 | 0.968 | NA | 0.46 | 0.643 | 175.6 | 85.8 | 28.8 | 0.656 |
| | | 12.29 | 14.11 | 26.40 | ONE | 30.244 | 279.0 | -28.5 | 11.6 | | | | | | | | | | |
| 46480.0 | 48910.0 | 0.535 | 247.9 | -18.8 | 1.07 | 1.540 | 92.9 | 1.345 | -2.860 | 354.9 | 493.4 | 0.986 | NA | 0.82 | 0.645 | 175.5 | 85.9 | 28.8 | 0.658 |
| | | 11.59 | 14.14 | 25.73 | ONE | 30.244 | 279.0 | -28.5 | 11.5 | | | | | | | | | | |
| 46490.0 | 48910.0 | 0.532 | 241.3 | -18.1 | 0.91 | 1.539 | 87.2 | 1.347 | -2.848 | 4.8 | 133.3 | 0.989D | NA | 1.06 | 0.646 | 175.5 | 85.9 | 28.8 | 0.659 |
| | | 11.51 | 14.17 | 25.68 | ONE | 30.244 | 279.0 | -28.5 | 11.5 | | | | | | | | | | |
| 46500.0 | 48910.0 | 0.558 | 234.7 | -17.2 | 0.81 | 1.538 | 81.4 | 1.343 | -2.839 | 15.1 | 133.5 | 0.974D | NA | 1.24 | 0.647 | 175.6 | 85.9 | 28.8 | 0.660 |
| | | 12.14 | 14.19 | 26.33 | ONE | 30.244 | 279.0 | -28.5 | 11.5 | | | | | | | | | | |
| 46510.0 | 48910.0 | 0.610 | 229.6 | -16.4 | 0.75 | 1.537 | 75.3 | 1.332 | -2.834 | 25.7 | 134.1 | 0.940D | NA | 1.39 | 0.647 | 175.7 | 85.8 | 28.8 | 0.660 |
| | | 13.46 | 14.21 | 27.67 | ONE | 30.244 | 279.0 | -28.5 | 11.6 | | | | | | | | | | |
| **ARRIVAL DATE = 2449110.0** | | | | | | | | | | | | | | | | | | | |
| 46450.0 | 49110.0 | 0.637 | 255.7 | -13.8 | 3.94 | 1.518 | 107.5 | 1.244 | -3.697 | 328.5 | 498.6 | 0.903 | NA | -2.24 | 0.580 | 175.3 | 85.5 | 28.5 | 0.595 |
| | | 14.15 | 12.67 | 26.82 | ONE | 29.791 | 280.4 | -28.4 | 13.1 | | | | | | | | | | |
| 46460.0 | 49110.0 | 0.576 | 253.9 | -17.5 | 1.98 | 1.518 | 102.4 | 1.258 | -3.664 | 337.7 | 497.6 | 0.944 | NA | -0.22 | 0.582 | 175.2 | 85.7 | 28.7 | 0.597 |
| | | 12.59 | 12.71 | 25.30 | ONE | 29.791 | 280.4 | -28.4 | 12.9 | | | | | | | | | | |
| 46470.0 | 49110.0 | 0.532 | 250.1 | -18.3 | 1.35 | 1.517 | 97.2 | 1.267 | -3.637 | 347.2 | 497.0 | 0.973 | NA | 0.47 | 0.584 | 175.2 | 85.8 | 28.8 | 0.598 |
| | | 11.50 | 12.74 | 24.24 | ONE | 29.791 | 280.4 | -28.4 | 12.8 | | | | | | | | | | |
| 46480.0 | 49110.0 | 0.508 | 244.4 | -18.2 | 1.05 | 1.517 | 91.7 | 1.273 | -3.617 | 357.0 | 496.6 | 0.988 | NA | 0.84 | 0.585 | 175.1 | 85.9 | 28.8 | 0.599 |
| | | 10.93 | 12.77 | 23.69 | ONE | 29.791 | 280.4 | -28.4 | 12.7 | | | | | | | | | | |
| 46490.0 | 49110.0 | 0.511 | 237.6 | -17.4 | 0.88 | 1.515 | 86.1 | 1.274 | -3.603 | 7.0 | 136.6 | 0.987D | NA | 1.08 | 0.586 | 175.1 | 85.9 | 28.8 | 0.600 |
| | | 10.99 | 12.79 | 23.78 | ONE | 29.791 | 280.4 | -28.4 | 12.7 | | | | | | | | | | |
| 46500.0 | 49110.0 | 0.542 | 231.2 | -16.5 | 0.78 | 1.514 | 80.3 | 1.269 | -3.595 | 17.3 | 136.9 | 0.968D | NA | 1.25 | 0.587 | 175.2 | 85.8 | 28.8 | 0.601 |
| | | 11.75 | 12.80 | 24.55 | ONE | 29.791 | 280.4 | -28.4 | 12.7 | | | | | | | | | | |
| 46510.0 | 49110.0 | 0.598 | 226.4 | -15.6 | 0.72 | 1.512 | 74.4 | 1.259 | -3.592 | 28.0 | 137.6 | 0.931D | NA | 1.40 | 0.587 | 175.3 | 85.7 | 28.8 | 0.602 |
| | | 13.15 | 12.82 | 25.97 | ONE | 29.791 | 280.4 | -28.4 | 12.8 | | | | | | | | | | |
| **ARRIVAL DATE = 2449310.0** | | | | | | | | | | | | | | | | | | | |
| 46450.0 | 49310.0 | 0.607 | 254.2 | -12.5 | 4.25 | 1.499 | 106.3 | 1.196 | -4.665 | 330.1 | 501.3 | 0.912 | NA | -2.55 | 0.530 | 174.9 | 85.4 | 28.5 | 0.546 |
| | | 13.37 | 11.55 | 24.92 | ONE | 30.748 | 281.7 | -28.3 | 14.3 | | | | | | | | | | |
| 46460.0 | 49310.0 | 0.547 | 251.7 | -17.0 | 1.99 | 1.499 | 101.3 | 1.206 | -4.623 | 339.4 | 500.5 | 0.951 | NA | -0.23 | 0.532 | 174.8 | 85.6 | 28.7 | 0.547 |
| | | 11.87 | 11.58 | 23.45 | ONE | 30.748 | 281.7 | -28.3 | 14.1 | | | | | | | | | | |
| 46470.0 | 49310.0 | 0.506 | 247.4 | -17.9 | 1.33 | 1.498 | 96.0 | 1.213 | -4.590 | 349.0 | 500.0 | 0.977 | NA | 0.49 | 0.533 | 174.8 | 85.7 | 28.8 | 0.549 |
| | | 10.88 | 11.60 | 22.48 | ONE | 30.748 | 281.7 | -28.3 | 14.0 | | | | | | | | | | |
| 46480.0 | 49310.0 | 0.487 | 241.3 | -17.6 | 1.02 | 1.497 | 90.7 | 1.216 | -4.566 | 358.8 | 499.7 | 0.988 | NA | 0.86 | 0.534 | 174.7 | 85.8 | 28.8 | 0.550 |
| | | 10.43 | 11.63 | 22.05 | ONE | 30.748 | 281.7 | -28.3 | 14.0 | | | | | | | | | | |
| 46490.0 | 49310.0 | 0.495 | 234.3 | -16.8 | 0.85 | 1.496 | 85.1 | 1.216 | -4.551 | 8.9 | 139.7 | 0.984D | NA | 1.10 | 0.535 | 174.7 | 85.8 | 28.8 | 0.550 |
| | | 10.61 | 11.64 | 22.25 | ONE | 30.748 | 281.7 | -28.3 | 14.0 | | | | | | | | | | |
| 46500.0 | 49310.0 | 0.530 | 228.2 | -15.8 | 0.75 | 1.495 | 79.4 | 1.212 | -4.543 | 19.3 | 140.1 | 0.963D | NA | 1.27 | 0.535 | 174.8 | 85.7 | 28.8 | 0.551 |
| | | 11.46 | 11.65 | 23.12 | ONE | 30.748 | 281.7 | -28.3 | 14.0 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46510.0 | 49310.0 | 0.590 | 223.9 | -15.0 | 0.69 | 1.493 | 73.6 | 1.203 | -4.542 | 30.0 | 140.8 | 0.923D | NA | 1.41 | 0.535 | 174.9 | 85.6 | 28.9 | 0.551 |
| | | 12.94 | 11.66 | 24.60 | ONE | 30.748 | 281.7 | -28.3 | 14.1 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449510.0 | | | | | | | | | | | |
| 46450.0 | 49510.0 | 0.583 | 252.9 | -10.9 | 4.65 | 1.484 | 105.3 | 1.156 | -5.897 | 331.5 | 503.9 | 0.920 | NA | -2.94 | 0.486 | 174.5 | 85.3 | 28.4 | 0.503 |
| | | 12.76 | 10.61 | 23.37 | ONE | 29.344 | 283.0 | -28.2 | 15.6 | | | | | | | | | | |
| 46460.0 | 49510.0 | 0.523 | 249.7 | -16.5 | 2.01 | 1.484 | 100.3 | 1.164 | -5.843 | 340.9 | 503.2 | 0.956 | NA | -0.24 | 0.487 | 174.4 | 85.5 | 28.7 | 0.505 |
| | | 11.30 | 10.63 | 21.93 | ONE | 29.344 | 283.0 | -28.2 | 15.4 | | | | | | | | | | |
| 46470.0 | 49510.0 | 0.486 | 245.0 | -17.4 | 1.31 | 1.483 | 95.1 | 1.169 | -5.802 | 350.5 | 502.7 | 0.979 | NA | 0.51 | 0.489 | 174.3 | 85.6 | 28.8 | 0.506 |
| | | 10.40 | 10.65 | 21.05 | ONE | 29.344 | 283.0 | -28.2 | 15.3 | | | | | | | | | | |
| 46480.0 | 49510.0 | 0.471 | 238.5 | -17.1 | 0.99 | 1.482 | 89.8 | 1.171 | -5.773 | 0.4 | 142.5 | 0.988D | NA | 0.88 | 0.489 | 174.3 | 85.7 | 28.8 | 0.506 |
| | | 10.05 | 10.67 | 20.72 | ONE | 29.344 | 283.0 | -28.2 | 15.3 | | | | | | | | | | |
| 46490.0 | 49510.0 | 0.483 | 231.6 | -16.2 | 0.82 | 1.481 | 84.3 | 1.171 | -5.756 | 10.6 | 142.6 | 0.982D | NA | 1.12 | 0.490 | 174.3 | 85.7 | 28.8 | 0.507 |
| | | 10.33 | 10.68 | 21.02 | ONE | 29.344 | 283.0 | -28.2 | 15.3 | | | | | | | | | | |
| 46500.0 | 49510.0 | 0.522 | 225.7 | -15.2 | 0.72 | 1.479 | 78.7 | 1.167 | -5.749 | 21.0 | 143.0 | 0.958D | NA | 1.29 | 0.490 | 174.4 | 85.6 | 28.8 | 0.507 |
| | | 11.26 | 10.69 | 21.95 | ONE | 29.344 | 283.0 | -28.2 | 15.3 | | | | | | | | | | |
| 46510.0 | 49510.0 | 0.584 | 221.7 | -14.4 | 0.66 | 1.477 | 73.0 | 1.159 | -5.752 | 31.7 | 143.7 | 0.916D | NA | 1.42 | 0.490 | 174.5 | 85.5 | 28.9 | 0.508 |
| | | 12.79 | 10.70 | 23.49 | ONE | 29.344 | 283.0 | -28.2 | 15.4 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449710.0 | | | | | | | | | | | |
| 46440.0 | 49710.0 | 0.640 | 248.0 | -40.8 | -8.47 | 1.472 | 109.4 | 1.116 | -7.591 | 323.3 | 507.2 | 0.881 | NA | 10.13 | 0.445 | 174.2 | 84.8 | 29.7 | 0.465 |
| | | 14.22 | 9.80 | 24.01 | TWO | 31.069 | 284.4 | -28.0 | 17.2 | | | | | | | | | | |
| 46450.0 | 49710.0 | 0.564 | 251.8 | -9.0 | 5.20 | 1.472 | 104.5 | 1.123 | -7.500 | 332.7 | 506.3 | 0.926 | NA | -3.49 | 0.447 | 174.0 | 85.2 | 28.4 | 0.466 |
| | | 12.29 | 9.82 | 22.11 | ONE | 31.069 | 284.4 | -28.0 | 16.9 | | | | | | | | | | |
| 46460.0 | 49710.0 | 0.504 | 248.0 | -16.0 | 2.02 | 1.471 | 99.5 | 1.129 | -7.429 | 342.1 | 505.6 | 0.960 | NA | -0.26 | 0.448 | 173.9 | 85.4 | 28.7 | 0.467 |
| | | 10.84 | 9.84 | 20.68 | ONE | 31.069 | 284.4 | -28.0 | 16.7 | | | | | | | | | | |
| 46470.0 | 49710.0 | 0.470 | 242.8 | -17.0 | 1.28 | 1.471 | 94.3 | 1.133 | -7.375 | 351.9 | 505.2 | 0.981 | NA | 0.53 | 0.449 | 173.9 | 85.5 | 28.8 | 0.468 |
| | | 10.01 | 9.85 | 19.87 | ONE | 31.069 | 284.4 | -28.0 | 16.6 | | | | | | | | | | |
| 46480.0 | 49710.0 | 0.458 | 236.1 | -16.6 | 0.96 | 1.470 | 89.0 | 1.135 | -7.340 | 1.8 | 145.1 | 0.988D | NA | 0.91 | 0.450 | 173.9 | 85.5 | 28.8 | 0.468 |
| | | 9.75 | 9.87 | 19.62 | ONE | 31.069 | 284.4 | -28.0 | 16.6 | | | | | | | | | | |
| 46490.0 | 49710.0 | 0.474 | 229.2 | -15.7 | 0.79 | 1.468 | 83.6 | 1.134 | -7.320 | 12.0 | 145.2 | 0.979D | NA | 1.14 | 0.450 | 173.9 | 85.5 | 28.8 | 0.469 |
| | | 10.12 | 9.88 | 20.00 | ONE | 31.069 | 284.4 | -28.0 | 16.6 | | | | | | | | | | |
| 46500.0 | 49710.0 | 0.516 | 223.5 | -14.6 | 0.69 | 1.466 | 78.1 | 1.130 | -7.316 | 22.4 | 145.6 | 0.953D | NA | 1.30 | 0.451 | 174.0 | 85.4 | 28.9 | 0.469 |
| | | 11.11 | 9.88 | 21.00 | ONE | 31.069 | 284.4 | -28.0 | 16.7 | | | | | | | | | | |
| 46510.0 | 49710.0 | 0.579 | 219.9 | -14.0 | 0.63 | 1.464 | 72.4 | 1.124 | -7.325 | 33.1 | 146.3 | 0.910D | NA | 1.43 | 0.450 | 174.1 | 85.3 | 28.9 | 0.470 |
| | | 12.67 | 9.89 | 22.56 | ONE | 31.069 | 284.4 | -28.0 | 16.8 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2449910.0 | | | | | | | | | | | |
| 46440.0 | 49910.0 | 0.610 | 247.2 | -35.9 | -6.11 | 1.462 | 108.7 | 1.091 | -9.772 | 324.3 | 509.4 | 0.887 | NA | 7.77 | 0.411 | 173.7 | 84.7 | 29.5 | 0.432 |
| | | 13.45 | 9.13 | 22.57 | TWO | 29.135 | 285.7 | -27.9 | 18.5 | | | | | | | | | | |
| 46450.0 | 49910.0 | 0.550 | 251.1 | -6.5 | 6.01 | 1.462 | 103.8 | 1.096 | -9.645 | 333.7 | 508.5 | 0.931 | NA | -4.29 | 0.412 | 173.5 | 85.0 | 28.2 | 0.433 |
| | | 11.96 | 9.14 | 21.10 | ONE | 29.135 | 285.7 | -27.9 | 18.3 | | | | | | | | | | |
| 46460.0 | 49910.0 | 0.489 | 246.5 | -15.6 | 2.04 | 1.461 | 98.8 | 1.101 | -9.547 | 343.2 | 507.9 | 0.963 | NA | -0.28 | 0.414 | 173.4 | 85.2 | 28.7 | 0.434 |
| | | 10.47 | 9.16 | 19.63 | ONE | 29.135 | 285.7 | -27.9 | 18.1 | | | | | | | | | | |
| 46470.0 | 49910.0 | 0.457 | 241.0 | -16.7 | 1.26 | 1.460 | 93.7 | 1.104 | -9.475 | 353.0 | 507.6 | 0.983 | NA | 0.56 | 0.415 | 173.4 | 85.3 | 28.8 | 0.435 |
| | | 9.71 | 9.17 | 18.89 | ONE | 29.135 | 285.7 | -27.9 | 18.0 | | | | | | | | | | |
| 46480.0 | 49910.0 | 0.448 | 234.1 | -16.2 | 0.93 | 1.459 | 88.4 | 1.105 | -9.430 | 3.0 | 147.4 | 0.988D | NA | 0.93 | 0.415 | 173.4 | 85.3 | 28.8 | 0.435 |
| | | 9.52 | 9.19 | 18.71 | ONE | 29.135 | 285.7 | -27.9 | 17.9 | | | | | | | | | | |
| 46490.0 | 49910.0 | 0.467 | 227.2 | -15.2 | 0.76 | 1.458 | 83.1 | 1.104 | -9.408 | 13.2 | 147.6 | 0.977D | NA | 1.16 | 0.415 | 173.4 | 85.3 | 28.8 | 0.435 |
| | | 9.96 | 9.19 | 19.15 | ONE | 29.135 | 285.7 | -27.9 | 18.0 | | | | | | | | | | |
| 46500.0 | 49910.0 | 0.511 | 221.8 | -14.2 | 0.65 | 1.456 | 77.6 | 1.101 | -9.409 | 23.7 | 148.0 | 0.950D | NA | 1.32 | 0.415 | 173.5 | 85.2 | 28.9 | 0.436 |
| | | 11.00 | 9.20 | 20.20 | ONE | 29.135 | 285.7 | -27.9 | 18.1 | | | | | | | | | | |
| 46510.0 | 49910.0 | 0.575 | 218.5 | -13.6 | 0.59 | 1.454 | 72.0 | 1.096 | -9.429 | 34.4 | 148.8 | 0.905D | NA | 1.44 | 0.415 | 173.7 | 85.0 | 28.9 | 0.436 |
| | | 12.58 | 9.20 | 21.79 | ONE | 29.135 | 285.7 | -27.9 | 18.2 | | | | | | | | | | |
| | | | | | | | | ARRIVAL DATE = 2450110.0 | | | | | | | | | | | |
| 46430.0 | 50110.0 | 0.649 | 246.2 | -25.4 | -1.78 | 1.453 | 112.8 | 1.064 | -13.043 | 315.9 | 512.3 | 0.840 | NA | 3.41 | 0.378 | 173.4 | 84.2 | 29.0 | 0.402 |
| | | 14.45 | 8.53 | 22.98 | TWO | 31.107 | 287.0 | -27.7 | 20.1 | | | | | | | | | | |
| 46440.0 | 50110.0 | 0.589 | 246.5 | -32.8 | -4.63 | 1.453 | 108.1 | 1.070 | -12.814 | 325.1 | 511.4 | 0.892 | NA | 6.30 | 0.380 | 173.2 | 84.4 | 29.4 | 0.403 |
| | | 12.92 | 8.55 | 21.48 | TWO | 31.107 | 287.0 | -27.7 | 19.9 | | | | | | | | | | |
| 46450.0 | 50110.0 | 0.543 | 250.9 | -2.8 | 7.29 | 1.453 | 103.2 | 1.074 | -12.629 | 334.6 | 510.6 | 0.935 | NA | -5.57 | 0.381 | 173.0 | 84.7 | 28.1 | 0.404 |
| | | 11.78 | 8.57 | 20.35 | ONE | 31.107 | 287.0 | -27.7 | 19.7 | | | | | | | | | | |
| 46460.0 | 50110.0 | 0.476 | 245.2 | -15.1 | 2.07 | 1.453 | 98.2 | 1.077 | -12.486 | 344.2 | 510.0 | 0.966 | NA | -0.30 | 0.383 | 172.9 | 84.9 | 28.7 | 0.404 |
| | | 10.17 | 8.58 | 18.76 | ONE | 31.107 | 287.0 | -27.7 | 19.5 | | | | | | | | | | |
| 46470.0 | 50110.0 | 0.446 | 239.4 | -16.4 | 1.23 | 1.452 | 93.1 | 1.079 | -12.386 | 354.0 | 509.7 | 0.984 | NA | 0.58 | 0.384 | 172.9 | 85.0 | 28.8 | 0.405 |
| | | 9.47 | 8.60 | 18.06 | ONE | 31.107 | 287.0 | -27.7 | 19.4 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46480.0 | 50110.0 | 0.440 | 232.3 | -15.9 | 0.89 | 1.451 | 87.9 | 1.080 | -12.325 | 4.0 | 149.6 | 0.987D | NA | 0.96 | 0.384 | 172.9 | 85.1 | 28.8 | 0.405 |
| | | 9.34 | 8.60 | 17.94 | ONE | 31.107 | 287.0 | -27.7 | 19.4 | | | | | | | | | | |
| 46490.0 | 50110.0 | 0.462 | 225.5 | -14.9 | 0.72 | 1.449 | 82.6 | 1.079 | -12.301 | 14.2 | 149.8 | 0.975D | NA | 1.19 | 0.384 | 172.9 | 85.0 | 28.8 | 0.406 |
| | | 9.83 | 8.61 | 18.44 | ONE | 31.107 | 287.0 | -27.7 | 19.4 | | | | | | | | | | |
| 46500.0 | 50110.0 | 0.507 | 220.3 | -13.9 | 0.62 | 1.447 | 77.2 | 1.077 | -12.311 | 24.7 | 150.2 | 0.946D | NA | 1.34 | 0.384 | 173.0 | 84.9 | 28.9 | 0.406 |
| | | 10.91 | 8.62 | 19.52 | ONE | 31.107 | 287.0 | -27.7 | 19.5 | | | | | | | | | | |
| 46510.0 | 50110.0 | 0.572 | 217.3 | -13.3 | 0.56 | 1.445 | 71.7 | 1.073 | -12.350 | 35.4 | 151.0 | 0.901D | NA | 1.46 | 0.384 | 173.2 | 84.7 | 28.9 | 0.406 |
| | | 12.51 | 8.62 | 21.13 | ONE | 31.107 | 287.0 | -27.7 | 19.6 | | | | | | | | | | |
| ARRIVAL DATE = 2450310.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 50310.0 | 0.635 | 245.7 | -24.9 | -1.55 | 1.446 | 112.3 | 1.048 | -17.667 | 316.5 | 514.1 | 0.845 | NA | 3.19 | 0.351 | 172.8 | 83.9 | 29.0 | 0.376 |
| | | 14.11 | 8.05 | 22.15 | TWO | 29.225 | 288.4 | -27.6 | 21.6 | | | | | | | | | | |
| 46440.0 | 50310.0 | 0.573 | 246.0 | -30.5 | -3.62 | 1.446 | 107.6 | 1.052 | -17.303 | 325.8 | 513.2 | 0.896 | NA | 5.30 | 0.352 | 172.7 | 84.1 | 29.3 | 0.377 |
| | | 12.53 | 8.06 | 20.59 | TWO | 29.225 | 288.4 | -27.6 | 21.3 | | | | | | | | | | |
| 46450.0 | 50310.0 | 0.548 | 251.5 | 3.5 | 9.66 | 1.446 | 102.7 | 1.055 | -17.013 | 335.3 | 512.5 | 0.938 | NA | -7.94 | 0.354 | 172.5 | 84.4 | 27.7 | 0.378 |
| | | 11.90 | 8.08 | 19.98 | ONE | 29.225 | 288.4 | -27.6 | 21.2 | | | | | | | | | | |
| 46460.0 | 50310.0 | 0.466 | 244.1 | -14.8 | 2.10 | 1.446 | 97.7 | 1.058 | -16.794 | 344.9 | 512.0 | 0.968 | NA | -0.33 | 0.355 | 172.4 | 84.6 | 28.7 | 0.378 |
| | | 9.93 | 8.09 | 18.02 | ONE | 29.225 | 288.4 | -27.6 | 20.9 | | | | | | | | | | |
| 46470.0 | 50310.0 | 0.437 | 238.0 | -16.2 | 1.20 | 1.445 | 92.7 | 1.059 | -16.642 | 354.8 | 511.7 | 0.984 | NA | 0.61 | 0.356 | 172.4 | 84.7 | 28.8 | 0.379 |
| | | 9.27 | 8.10 | 17.37 | ONE | 29.225 | 288.4 | -27.6 | 20.8 | | | | | | | | | | |
| 46480.0 | 50310.0 | 0.434 | 230.9 | -15.7 | 0.86 | 1.444 | 87.5 | 1.060 | -16.555 | 4.8 | 151.7 | 0.987D | NA | 0.99 | 0.356 | 172.4 | 84.8 | 28.8 | 0.379 |
| | | 9.19 | 8.11 | 17.30 | ONE | 29.225 | 288.4 | -27.6 | 20.8 | | | | | | | | | | |
| 46490.0 | 50310.0 | 0.457 | 224.1 | -14.6 | 0.68 | 1.442 | 82.2 | 1.059 | -16.528 | 15.1 | 151.8 | 0.973D | NA | 1.21 | 0.356 | 172.4 | 84.7 | 28.8 | 0.379 |
| | | 9.72 | 8.11 | 17.83 | ONE | 29.225 | 288.4 | -27.6 | 20.8 | | | | | | | | | | |
| 46500.0 | 50310.0 | 0.504 | 219.2 | -13.6 | 0.59 | 1.440 | 76.9 | 1.057 | -16.557 | 25.5 | 152.3 | 0.943D | NA | 1.36 | 0.356 | 172.5 | 84.6 | 28.9 | 0.380 |
| | | 10.83 | 8.12 | 18.94 | ONE | 29.225 | 288.4 | -27.6 | 20.9 | | | | | | | | | | |
| 46510.0 | 50310.0 | 0.570 | 216.4 | -13.1 | 0.53 | 1.438 | 71.4 | 1.054 | -16.604 | 36.2 | 153.0 | 0.897D | NA | 1.47 | 0.356 | 172.7 | 84.4 | 28.9 | 0.380 |
| | | 12.44 | 8.12 | 20.56 | ONE | 29.225 | 288.4 | -27.6 | 21.1 | | | | | | | | | | |
| 46520.0 | 50310.0 | 0.649 | 215.6 | -13.1 | 0.49 | 1.436 | 65.9 | 1.050 | -16.753 | 47.1 | 153.9 | 0.836D | NA | 1.57 | 0.355 | 173.0 | 84.1 | 28.9 | 0.380 |
| | | 14.46 | 8.12 | 22.58 | ONE | 29.225 | 288.4 | -27.6 | 21.4 | | | | | | | | | | |
| ARRIVAL DATE = 2450510.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 50510.0 | 0.624 | 245.3 | -24.4 | -1.34 | 1.440 | 111.9 | 1.034 | -25.160 | 317.0 | 515.8 | 0.849 | NA | 2.99 | 0.326 | 172.3 | 83.5 | 29.0 | 0.353 |
| | | 13.82 | 7.63 | 21.45 | TWO | 30.849 | 289.7 | -27.4 | 23.1 | | | | | | | | | | |
| 46440.0 | 50510.0 | 0.561 | 245.6 | -28.8 | -2.89 | 1.440 | 107.1 | 1.037 | -24.517 | 326.3 | 515.0 | 0.899 | NA | 4.58 | 0.327 | 172.1 | 83.8 | 29.2 | 0.353 |
| | | 12.22 | 7.64 | 19.87 | TWO | 30.849 | 289.7 | -27.4 | 22.8 | | | | | | | | | | |
| 46450.0 | 50510.0 | 0.594 | 254.9 | 16.7 | 15.46 | 1.440 | 102.3 | 1.039 | -24.011 | 335.9 | 514.3 | 0.940 | NA | -13.74 | 0.329 | 172.0 | 84.0 | 26.9 | 0.355 |
| | | 13.06 | 7.67 | 20.72 | ONE | 30.849 | 289.7 | -27.4 | 22.8 | | | | | | | | | | |
| 46460.0 | 50510.0 | 0.457 | 243.2 | -14.4 | 2.13 | 1.440 | 97.4 | 1.041 | -23.636 | 345.6 | 513.8 | 0.969 | NA | -0.37 | 0.330 | 171.9 | 84.3 | 28.6 | 0.355 |
| | | 9.73 | 7.66 | 17.39 | ONE | 30.849 | 289.7 | -27.4 | 22.4 | | | | | | | | | | |
| 46470.0 | 50510.0 | 0.430 | 236.9 | -16.0 | 1.16 | 1.439 | 92.3 | 1.042 | -23.384 | 355.5 | 513.6 | 0.985 | NA | 0.64 | 0.330 | 171.8 | 84.4 | 28.8 | 0.355 |
| | | 9.11 | 7.67 | 16.78 | ONE | 30.849 | 289.7 | -27.4 | 22.3 | | | | | | | | | | |
| 46480.0 | 50510.0 | 0.429 | 229.7 | -15.5 | 0.82 | 1.438 | 87.2 | 1.042 | -23.247 | 5.5 | 153.5 | 0.986D | NA | 1.03 | 0.331 | 171.8 | 84.4 | 28.8 | 0.355 |
| | | 9.07 | 7.68 | 16.75 | ONE | 30.849 | 289.7 | -27.4 | 22.3 | | | | | | | | | | |
| 46490.0 | 50510.0 | 0.453 | 223.0 | -14.4 | 0.65 | 1.436 | 82.0 | 1.042 | -23.218 | 15.8 | 153.7 | 0.972D | NA | 1.24 | 0.331 | 171.9 | 84.4 | 28.8 | 0.356 |
| | | 9.63 | 7.68 | 17.31 | ONE | 30.849 | 289.7 | -27.4 | 22.3 | | | | | | | | | | |
| 46500.0 | 50510.0 | 0.501 | 218.2 | -13.4 | 0.55 | 1.434 | 76.6 | 1.040 | -23.288 | 26.2 | 154.1 | 0.941D | NA | 1.38 | 0.331 | 172.0 | 84.2 | 28.9 | 0.356 |
| | | 10.76 | 7.69 | 18.45 | ONE | 30.849 | 289.7 | -27.4 | 22.5 | | | | | | | | | | |
| 46510.0 | 50510.0 | 0.567 | 215.6 | -12.9 | 0.49 | 1.432 | 71.2 | 1.038 | -23.447 | 36.8 | 154.8 | 0.895D | NA | 1.49 | 0.330 | 172.2 | 84.0 | 28.9 | 0.356 |
| | | 12.38 | 7.69 | 20.07 | ONE | 30.849 | 289.7 | -27.4 | 22.7 | | | | | | | | | | |
| 46520.0 | 50510.0 | 0.646 | 215.0 | -13.0 | 0.46 | 1.430 | 65.7 | 1.035 | -23.683 | 47.7 | 155.7 | 0.833D | NA | 1.58 | 0.330 | 172.5 | 83.7 | 28.8 | 0.356 |
| | | 14.39 | 7.69 | 22.08 | ONE | 30.849 | 289.7 | -27.4 | 22.9 | | | | | | | | | | |
| ARRIVAL DATE = 2450710.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 50710.0 | 0.615 | 245.1 | -24.0 | -1.16 | 1.435 | 111.6 | 1.022 | -39.231 | 317.3 | 517.3 | 0.852 | NA | 2.82 | 0.303 | 171.7 | 83.1 | 29.0 | 0.332 |
| | | 13.59 | 7.27 | 20.86 | TWO | 29.587 | 291.0 | -27.2 | 24.7 | | | | | | | | | | |
| 46440.0 | 50710.0 | 0.551 | 245.3 | -27.4 | -2.33 | 1.435 | 106.8 | 1.024 | -37.861 | 326.8 | 516.6 | 0.902 | NA | 4.03 | 0.305 | 171.5 | 83.4 | 29.2 | 0.332 |
| | | 11.98 | 7.28 | 19.26 | TWO | 29.587 | 291.0 | -27.2 | 24.4 | | | | | | | | | | |
| 46460.0 | 50710.0 | 0.450 | 242.5 | -14.0 | 2.17 | 1.435 | 97.0 | 1.027 | -36.046 | 346.1 | 515.5 | 0.970 | NA | -0.41 | 0.307 | 171.3 | 83.9 | 28.6 | 0.333 |
| | | 9.57 | 7.30 | 16.86 | ONE | 29.587 | 291.0 | -27.2 | 24.0 | | | | | | | | | | |
| 46470.0 | 50710.0 | 0.424 | 236.0 | -15.9 | 1.13 | 1.434 | 92.0 | 1.028 | -35.548 | 356.0 | 515.3 | 0.985 | NA | 0.68 | 0.307 | 171.2 | 84.0 | 28.8 | 0.334 |
| | | 8.98 | 7.30 | 16.28 | ONE | 29.587 | 291.0 | -27.2 | 23.9 | | | | | | | | | | |
| 46480.0 | 50710.0 | 0.424 | 228.7 | -15.3 | 0.78 | 1.432 | 86.9 | 1.028 | -35.294 | 6.1 | 155.3 | 0.986D | NA | 1.06 | 0.308 | 171.2 | 84.0 | 28.8 | 0.334 |
| | | 8.97 | 7.31 | 16.28 | ONE | 29.587 | 291.0 | -27.2 | 23.8 | | | | | | | | | | |
| 46490.0 | 50710.0 | 0.450 | 222.1 | -14.2 | 0.61 | 1.431 | 81.7 | 1.028 | -35.266 | 16.3 | 155.5 | 0.970D | NA | 1.27 | 0.308 | 171.3 | 84.0 | 28.8 | 0.334 |
| | | 9.55 | 7.31 | 16.87 | ONE | 29.587 | 291.0 | -27.2 | 23.9 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46500.0 | 50710.0 | 0.498 | 217.5 | -13.3 | 0.51 | 1.429 | 76.4 | 1.027 | -35.448 | 26.7 | 155.9 | 0.939D | NA | 1.41 | 0.308 | 171.4 | 83.8 | 28.9 | 0.335 |
| | | 10.70 | 7.32 | 18.01 | ONE | 29.587 | 291.0 | -27.2 | 24.0 | | | | | | | | | | |
| 46510.0 | 50710.0 | 0.565 | 215.0 | -12.8 | 0.46 | 1.427 | 71.1 | 1.025 | -35.820 | 37.4 | 156.5 | 0.893D | NA | 1.51 | 0.307 | 171.6 | 83.6 | 28.8 | 0.335 |
| | | 12.31 | 7.32 | 19.63 | ONE | 29.587 | 291.0 | -27.2 | 24.2 | | | | | | | | | | |
| 46520.0 | 50710.0 | 0.643 | 214.6 | -12.9 | 0.42 | 1.425 | 65.6 | 1.023 | -36.364 | 48.1 | 157.4 | 0.831D | NA | 1.59 | 0.306 | 171.9 | 83.3 | 28.8 | 0.335 |
| | | 14.32 | 7.32 | 21.64 | ONE | 29.587 | 291.0 | -27.2 | 24.5 | | | | | | | | | | |
| ARRIVAL DATE = 2450910.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 50910.0 | 0.608 | 244.9 | -23.7 | -1.00 | 1.431 | 111.3 | 1.011 | -74.830 | 317.6 | 518.8 | 0.854 | NA | 2.67 | 0.282 | 171.1 | 82.6 | 29.0 | 0.313 |
| | | 13.41 | 6.95 | 20.36 | TWO | 30.372 | 292.3 | -27.0 | 26.3 | | | | | | | | | | |
| 46440.0 | 50910.0 | 0.544 | 245.1 | -26.3 | -1.89 | 1.431 | 106.6 | 1.013 | -70.491 | 327.1 | 518.1 | 0.904 | NA | 3.60 | 0.284 | 170.9 | 82.9 | 29.1 | 0.314 |
| | | 11.79 | 6.96 | 18.76 | TWO | 30.372 | 292.3 | -27.0 | 26.0 | | | | | | | | | | |
| 46460.0 | 50910.0 | 0.445 | 242.0 | -13.7 | 2.22 | 1.430 | 96.8 | 1.015 | -65.103 | 346.5 | 517.1 | 0.971 | NA | -0.46 | 0.286 | 170.7 | 83.5 | 28.6 | 0.314 |
| | | 9.44 | 6.98 | 16.41 | ONE | 30.372 | 292.3 | -27.0 | 25.5 | | | | | | | | | | |
| 46470.0 | 50910.0 | 0.419 | 235.3 | -15.8 | 1.08 | 1.429 | 91.8 | 1.015 | -63.713 | 356.4 | 516.9 | 0.986 | NA | 0.72 | 0.287 | 170.6 | 83.6 | 28.8 | 0.315 |
| | | 8.86 | 6.98 | 15.85 | ONE | 30.372 | 292.3 | -27.0 | 25.4 | | | | | | | | | | |
| 46480.0 | 50910.0 | 0.420 | 228.0 | -15.3 | 0.73 | 1.428 | 86.7 | 1.016 | -63.053 | 6.5 | 156.9 | 0.985D | NA | 1.10 | 0.287 | 170.6 | 83.6 | 28.8 | 0.315 |
| | | 8.88 | 6.99 | 15.87 | ONE | 30.372 | 292.3 | -27.0 | 25.4 | | | | | | | | | | |
| 46490.0 | 50910.0 | 0.447 | 221.4 | -14.1 | 0.57 | 1.426 | 81.6 | 1.015 | -63.054 | 16.7 | 157.1 | 0.970D | NA | 1.30 | 0.287 | 170.7 | 83.5 | 28.8 | 0.315 |
| | | 9.49 | 6.99 | 16.48 | ONE | 30.372 | 292.3 | -27.0 | 25.5 | | | | | | | | | | |
| 46500.0 | 50910.0 | 0.496 | 216.9 | -13.2 | 0.47 | 1.425 | 76.3 | 1.015 | -63.674 | 27.2 | 157.5 | 0.938D | NA | 1.43 | 0.287 | 170.8 | 83.4 | 28.8 | 0.315 |
| | | 10.63 | 6.99 | 17.63 | ONE | 30.372 | 292.3 | -27.0 | 25.6 | | | | | | | | | | |
| 46510.0 | 50910.0 | 0.562 | 214.6 | -12.8 | 0.42 | 1.423 | 71.0 | 1.014 | -64.876 | 37.7 | 158.1 | 0.891D | NA | 1.52 | 0.286 | 171.1 | 83.1 | 28.8 | 0.316 |
| | | 12.25 | 7.00 | 19.25 | ONE | 30.372 | 292.3 | -27.0 | 25.8 | | | | | | | | | | |
| 46520.0 | 50910.0 | 0.641 | 214.3 | -12.9 | 0.39 | 1.420 | 65.6 | 1.012 | -66.629 | 48.5 | 158.9 | 0.830D | NA | 1.60 | 0.285 | 171.4 | 82.8 | 28.8 | 0.316 |
| | | 14.24 | 7.00 | 21.24 | ONE | 30.372 | 292.3 | -27.0 | 26.1 | | | | | | | | | | |
| ARRIVAL DATE = 2451110.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 51110.0 | 0.602 | 244.8 | -23.3 | -0.85 | 1.427 | 111.1 | 1.003 | ******* | 317.8 | 520.2 | 0.856 | NA | 2.53 | 0.263 | 170.5 | 82.1 | 28.9 | 0.296 |
| | | 13.26 | 6.68 | 19.94 | TWO | 30.107 | 293.6 | -26.7 | 27.9 | | | | | | | | | | |
| 46440.0 | 51110.0 | 0.538 | 245.0 | -25.5 | -1.54 | 1.427 | 106.4 | 1.003 | ******* | 327.3 | 519.5 | 0.905 | NA | 3.25 | 0.265 | 170.3 | 82.4 | 29.1 | 0.296 |
| | | 11.64 | 6.69 | 18.33 | TWO | 30.107 | 293.6 | -26.7 | 27.6 | | | | | | | | | | |
| 46450.0 | 51110.0 | 0.517 | 239.6 | -46.8 | -9.23 | 1.427 | 101.6 | 1.004 | ******* | 336.9 | 519.0 | 0.945 | NA | 10.96 | 0.266 | 170.1 | 82.5 | 30.3 | 0.297 |
| | | 11.14 | 6.70 | 17.85 | TWO | 30.107 | 293.6 | -26.7 | 27.5 | | | | | | | | | | |
| 46460.0 | 51110.0 | 0.440 | 241.6 | -13.4 | 2.29 | 1.427 | 96.6 | 1.005 | ******* | 346.8 | 518.6 | 0.972 | NA | -0.52 | 0.267 | 170.0 | 83.0 | 28.5 | 0.297 |
| | | 9.33 | 6.70 | 16.03 | ONE | 30.107 | 293.6 | -26.7 | 27.2 | | | | | | | | | | |
| 46470.0 | 51110.0 | 0.415 | 234.7 | -15.8 | 1.04 | 1.426 | 91.7 | 1.005 | ******* | 356.7 | 518.4 | 0.986 | NA | 0.76 | 0.267 | 169.9 | 83.1 | 28.7 | 0.297 |
| | | 8.77 | 6.70 | 15.48 | ONE | 30.107 | 293.6 | -26.7 | 27.1 | | | | | | | | | | |
| 46480.0 | 51110.0 | 0.417 | 227.4 | -15.3 | 0.68 | 1.424 | 86.6 | 1.005 | ******* | 6.8 | 158.4 | 0.985D | NA | 1.14 | 0.268 | 170.0 | 83.1 | 28.8 | 0.298 |
| | | 8.81 | 6.71 | 15.52 | ONE | 30.107 | 293.6 | -26.7 | 27.1 | | | | | | | | | | |
| 46490.0 | 51110.0 | 0.444 | 220.9 | -14.1 | 0.52 | 1.423 | 81.5 | 1.005 | ******* | 17.0 | 158.6 | 0.969D | NA | 1.33 | 0.268 | 170.0 | 83.0 | 28.8 | 0.298 |
| | | 9.42 | 6.71 | 16.13 | ONE | 30.107 | 293.6 | -26.7 | 27.1 | | | | | | | | | | |
| 46500.0 | 51110.0 | 0.493 | 216.5 | -13.2 | 0.43 | 1.421 | 76.2 | 1.005 | ******* | 27.4 | 158.9 | 0.937D | NA | 1.46 | 0.267 | 170.2 | 82.8 | 28.8 | 0.298 |
| | | 10.57 | 6.72 | 17.29 | ONE | 30.107 | 293.6 | -26.7 | 27.3 | | | | | | | | | | |
| 46510.0 | 51110.0 | 0.559 | 214.3 | -12.8 | 0.38 | 1.419 | 71.0 | 1.004 | ******* | 38.0 | 159.5 | 0.890D | NA | 1.54 | 0.267 | 170.4 | 82.6 | 28.8 | 0.298 |
| | | 12.19 | 6.72 | 18.90 | ONE | 30.107 | 293.6 | -26.7 | 27.5 | | | | | | | | | | |
| 46520.0 | 51110.0 | 0.637 | 214.1 | -12.9 | 0.35 | 1.417 | 65.6 | 1.004 | ******* | 48.7 | 160.3 | 0.829D | NA | 1.61 | 0.266 | 170.7 | 82.2 | 28.8 | 0.299 |
| | | 14.16 | 6.72 | 20.88 | ONE | 30.107 | 293.6 | -26.7 | 27.8 | | | | | | | | | | |
| ARRIVAL DATE = 2451310.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 51310.0 | 0.598 | 244.7 | -23.1 | -0.72 | 1.424 | 111.0 | 0.995 | 169.110 | 317.9 | 521.5 | 0.857 | 337.363A | 2.41 | 0.246 | 169.8 | 81.5 | 28.9 | 0.280 |
| | | 13.15 | 6.44 | 19.59 | TWO | 29.816 | 295.0 | -26.5 | 29.7 | | | | | | | | | | |
| 46440.0 | 51310.0 | 0.533 | 245.0 | -24.7 | -1.25 | 1.424 | 106.2 | 0.995 | 190.654 | 327.4 | 520.8 | 0.906 | 380.402A | 2.97 | 0.247 | 169.6 | 81.8 | 29.0 | 0.281 |
| | | 11.53 | 6.45 | 17.98 | TWO | 29.816 | 295.0 | -26.5 | 29.3 | | | | | | | | | | |
| 46450.0 | 51310.0 | 0.488 | 241.2 | -36.1 | -5.17 | 1.424 | 101.4 | 0.996 | 212.483 | 337.1 | 520.3 | 0.945 | 424.020A | 6.91 | 0.248 | 169.4 | 82.0 | 29.7 | 0.281 |
| | | 10.44 | 6.46 | 16.90 | TWO | 29.816 | 295.0 | -26.5 | 29.1 | | | | | | | | | | |
| 46460.0 | 51310.0 | 0.436 | 241.4 | -13.0 | 2.38 | 1.423 | 96.5 | 0.996 | 232.231 | 346.9 | 520.0 | 0.972 | 463.489A | -0.61 | 0.249 | 169.3 | 82.4 | 28.5 | 0.281 |
| | | 9.25 | 6.46 | 15.70 | ONE | 29.816 | 295.0 | -26.5 | 28.9 | | | | | | | | | | |
| 46470.0 | 51310.0 | 0.412 | 234.4 | -15.9 | 0.98 | 1.422 | 91.5 | 0.996 | 246.937 | 356.9 | 519.8 | 0.986 | 492.887A | 0.81 | 0.250 | 169.2 | 82.5 | 28.7 | 0.282 |
| | | 8.70 | 6.46 | 15.16 | ONE | 29.816 | 295.0 | -26.5 | 28.8 | | | | | | | | | | |
| 46480.0 | 51310.0 | 0.414 | 227.0 | -15.3 | 0.63 | 1.421 | 86.5 | 0.996 | 253.958 | 7.0 | 159.8 | 0.985D | 506.932A | 1.19 | 0.250 | 169.3 | 82.5 | 28.8 | 0.282 |
| | | 8.74 | 6.47 | 15.21 | ONE | 29.816 | 295.0 | -26.5 | 28.7 | | | | | | | | | | |
| 46490.0 | 51310.0 | 0.441 | 220.6 | -14.2 | 0.48 | 1.419 | 81.4 | 0.996 | 252.158 | 17.2 | 160.0 | 0.968D | 503.348A | 1.37 | 0.250 | 169.4 | 82.4 | 28.8 | 0.282 |
| | | 9.36 | 6.47 | 15.83 | ONE | 29.816 | 295.0 | -26.5 | 28.8 | | | | | | | | | | |
| 46500.0 | 51310.0 | 0.491 | 216.2 | -13.2 | 0.39 | 1.418 | 76.2 | 0.996 | 242.410 | 27.6 | 160.3 | 0.937D | 483.884A | 1.48 | 0.250 | 169.5 | 82.3 | 28.8 | 0.282 |
| | | 10.51 | 6.47 | 16.99 | ONE | 29.816 | 295.0 | -26.5 | 29.0 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46510.0 | 51310.0 | 0.557 | 214.1 | -12.8 | 0.34 | 1.416 | 71.0 | 0.996 | 227.151 | 38.1 | 160.9 | 0.890D453.412A | | 1.56 | 0.249 | 169.8 | 82.0 | 28.8 | 0.283 |
| | | 12.12 | 6.48 | 18.59 | ONE | 29.816 | 295.0 | -26.5 | 29.2 | | | | | | | | | | |
| 46520.0 | 51310.0 | 0.634 | 213.9 | -12.9 | 0.31 | 1.413 | 65.7 | 0.996 | 209.246 | 48.8 | 161.6 | 0.829D417.662A | | 1.63 | 0.248 | 170.1 | 81.6 | 28.8 | 0.283 |
| | | 14.07 | 6.48 | 20.55 | ONE | 29.816 | 295.0 | -26.5 | 29.5 | | | | | | | | | | |
| ARRIVAL DATE = 2451510.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 51510.0 | 0.594 | 244.8 | -22.8 | -0.60 | 1.421 | 110.9 | 0.988 | 73.542 | 317.9 | 522.7 | 0.857 | 146.228A | 2.30 | 0.230 | 169.1 | 80.8 | 28.9 | 0.266 |
| | | 13.06 | 6.24 | 19.30 | TWO | 30.626 | 296.3 | -26.2 | 31.4 | | | | | | | | | | |
| 46440.0 | 51510.0 | 0.529 | 245.1 | -24.1 | -1.00 | 1.422 | 106.2 | 0.988 | 76.985 | 327.5 | 522.0 | 0.907 | 153.063A | 2.73 | 0.231 | 168.9 | 81.2 | 29.0 | 0.267 |
| | | 11.44 | 6.24 | 17.68 | TWO | 30.626 | 296.3 | -26.2 | 31.1 | | | | | | | | | | |
| 46450.0 | 51510.0 | 0.477 | 242.1 | -30.8 | -3.30 | 1.421 | 101.3 | 0.988 | 79.994 | 337.2 | 521.6 | 0.946 | 159.043A | 5.05 | 0.232 | 168.7 | 81.5 | 29.4 | 0.267 |
| | | 10.20 | 6.25 | 16.44 | TWO | 30.626 | 296.3 | -26.2 | 30.8 | | | | | | | | | | |
| 46460.0 | 51510.0 | 0.433 | 241.4 | -12.5 | 2.51 | 1.421 | 96.4 | 0.988 | 82.371 | 347.0 | 521.3 | 0.973 | 163.769A | -0.74 | 0.233 | 168.6 | 81.8 | 28.4 | 0.267 |
| | | 9.18 | 6.25 | 15.43 | ONE | 30.626 | 296.3 | -26.2 | 30.6 | | | | | | | | | | |
| 46470.0 | 51510.0 | 0.409 | 234.1 | -16.1 | 0.92 | 1.420 | 91.5 | 0.988 | 83.946 | 357.0 | 521.1 | 0.986 | 166.907A | 0.87 | 0.233 | 168.5 | 81.9 | 28.7 | 0.267 |
| | | 8.63 | 6.25 | 14.88 | ONE | 30.626 | 296.3 | -26.2 | 30.5 | | | | | | | | | | |
| 46480.0 | 51510.0 | 0.411 | 226.8 | -15.5 | 0.58 | 1.418 | 86.5 | 0.988 | 84.615 | 7.1 | 161.1 | 0.985D168.244A | | 1.24 | 0.234 | 168.5 | 81.9 | 28.8 | 0.268 |
| | | 8.68 | 6.25 | 14.94 | ONE | 30.626 | 296.3 | -26.2 | 30.5 | | | | | | | | | | |
| 46490.0 | 51510.0 | 0.439 | 220.4 | -14.3 | 0.43 | 1.417 | 81.4 | 0.989 | 84.359 | 17.3 | 161.2 | 0.968D167.750A | | 1.41 | 0.234 | 168.6 | 81.8 | 28.8 | 0.268 |
| | | 9.30 | 6.26 | 15.56 | ONE | 30.626 | 296.3 | -26.2 | 30.5 | | | | | | | | | | |
| 46500.0 | 51510.0 | 0.488 | 216.1 | -13.3 | 0.35 | 1.415 | 76.2 | 0.989 | 83.250 | 27.7 | 161.6 | 0.937D165.564A | | 1.51 | 0.233 | 168.8 | 81.6 | 28.8 | 0.268 |
| | | 10.45 | 6.26 | 16.71 | ONE | 30.626 | 296.3 | -26.2 | 30.7 | | | | | | | | | | |
| 46510.0 | 51510.0 | 0.554 | 214.0 | -12.9 | 0.30 | 1.413 | 71.0 | 0.989 | 81.437 | 38.2 | 162.1 | 0.890D161.984A | | 1.59 | 0.233 | 169.1 | 81.4 | 28.8 | 0.268 |
| | | 12.04 | 6.26 | 18.31 | ONE | 30.626 | 296.3 | -26.2 | 31.0 | | | | | | | | | | |
| 46520.0 | 51510.0 | 0.631 | 213.9 | -13.0 | 0.28 | 1.411 | 65.8 | 0.990 | 79.112 | 48.8 | 162.8 | 0.829D157.395A | | 1.64 | 0.232 | 169.4 | 81.0 | 28.8 | 0.269 |
| | | 13.99 | 6.27 | 20.25 | ONE | 30.626 | 296.3 | -26.2 | 31.3 | | | | | | | | | | |
| ARRIVAL DATE = 2451710.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 51710.0 | 0.592 | 244.9 | -22.6 | -0.49 | 1.419 | 110.9 | 0.983 | 49.382 | 317.8 | 523.8 | 0.857 | 97.906A | 2.20 | 0.215 | 168.4 | 80.1 | 28.8 | 0.253 |
| | | 13.00 | 6.05 | 19.05 | TWO | 29.343 | 297.6 | -26.0 | 33.2 | | | | | | | | | | |
| 46440.0 | 51710.0 | 0.527 | 245.2 | -23.6 | -0.80 | 1.419 | 106.1 | 0.982 | 50.777 | 327.4 | 523.2 | 0.907 | 100.647A | 2.53 | 0.216 | 168.1 | 80.5 | 28.9 | 0.254 |
| | | 11.37 | 6.06 | 17.43 | TWO | 29.343 | 297.6 | -26.0 | 32.9 | | | | | | | | | | |
| 46450.0 | 51710.0 | 0.472 | 242.7 | -27.7 | -2.22 | 1.419 | 101.3 | 0.982 | 51.953 | 337.2 | 522.8 | 0.946 | 102.961A | 3.97 | 0.217 | 167.9 | 80.8 | 29.2 | 0.254 |
| | | 10.07 | 6.06 | 16.13 | TWO | 29.343 | 297.6 | -26.0 | 32.6 | | | | | | | | | | |
| 46460.0 | 51710.0 | 0.431 | 241.6 | -11.9 | 2.70 | 1.418 | 96.4 | 0.982 | 52.853 | 347.1 | 522.5 | 0.973 | 104.733A | -0.93 | 0.218 | 167.8 | 81.1 | 28.3 | 0.254 |
| | | 9.14 | 6.06 | 15.20 | ONE | 29.343 | 297.6 | -26.0 | 32.4 | | | | | | | | | | |
| 46470.0 | 51710.0 | 0.406 | 234.1 | -16.3 | 0.85 | 1.417 | 91.5 | 0.982 | 53.430 | 357.0 | 522.3 | 0.986 | 105.874A | 0.94 | 0.218 | 167.7 | 81.2 | 28.7 | 0.254 |
| | | 8.57 | 6.06 | 14.64 | ONE | 29.343 | 297.6 | -26.0 | 32.3 | | | | | | | | | | |
| 46480.0 | 51710.0 | 0.409 | 226.7 | -15.7 | 0.51 | 1.416 | 86.5 | 0.982 | 53.660 | 7.1 | 162.3 | 0.985D106.335A | | 1.29 | 0.219 | 167.7 | 81.2 | 28.8 | 0.254 |
| | | 8.63 | 6.07 | 14.70 | ONE | 29.343 | 297.6 | -26.0 | 32.2 | | | | | | | | | | |
| 46490.0 | 51710.0 | 0.436 | 220.3 | -14.4 | 0.38 | 1.414 | 81.4 | 0.982 | 53.543 | 17.4 | 162.5 | 0.968D106.118A | | 1.45 | 0.219 | 167.8 | 81.2 | 28.8 | 0.255 |
| | | 9.25 | 6.07 | 15.32 | ONE | 29.343 | 297.6 | -26.0 | 32.3 | | | | | | | | | | |
| 46500.0 | 51710.0 | 0.485 | 216.0 | -13.4 | 0.31 | 1.412 | 76.3 | 0.982 | 53.104 | 27.7 | 162.8 | 0.937D105.271A | | 1.54 | 0.218 | 168.0 | 81.0 | 28.8 | 0.255 |
| | | 10.39 | 6.07 | 16.46 | ONE | 29.343 | 297.6 | -26.0 | 32.5 | | | | | | | | | | |
| 46510.0 | 51710.0 | 0.551 | 214.0 | -13.0 | 0.26 | 1.410 | 71.1 | 0.983 | 52.389 | 38.1 | 163.3 | 0.891D103.887A | | 1.61 | 0.218 | 168.3 | 80.7 | 28.8 | 0.255 |
| | | 11.97 | 6.08 | 18.04 | ONE | 29.343 | 297.6 | -26.0 | 32.7 | | | | | | | | | | |
| 46520.0 | 51710.0 | 0.627 | 213.9 | -13.1 | 0.24 | 1.408 | 65.9 | 0.984 | 51.459 | 48.7 | 163.9 | 0.830D102.088A | | 1.66 | 0.217 | 168.7 | 80.3 | 28.7 | 0.256 |
| | | 13.89 | 6.08 | 19.98 | ONE | 29.343 | 297.6 | -26.0 | 33.1 | | | | | | | | | | |
| ARRIVAL DATE = 2451910.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 51910.0 | 0.591 | 245.1 | -22.4 | -0.39 | 1.417 | 110.9 | 0.978 | 38.418 | 317.7 | 524.8 | 0.857 | 75.980A | 2.11 | 0.201 | 167.6 | 79.4 | 28.8 | 0.242 |
| | | 12.96 | 5.89 | 18.86 | TWO | 30.982 | 298.8 | -25.7 | 35.1 | | | | | | | | | | |
| 46440.0 | 51910.0 | 0.525 | 245.5 | -23.2 | -0.61 | 1.417 | 106.1 | 0.977 | 39.189 | 327.3 | 524.3 | 0.907 | 77.471A | 2.35 | 0.202 | 167.3 | 79.8 | 28.8 | 0.242 |
| | | 11.33 | 5.90 | 17.23 | TWO | 30.982 | 298.8 | -25.7 | 34.7 | | | | | | | | | | |
| 46450.0 | 51910.0 | 0.469 | 243.2 | -25.7 | -1.52 | 1.417 | 101.3 | 0.976 | 39.828 | 337.1 | 523.9 | 0.946 | 78.711A | 3.27 | 0.203 | 167.1 | 80.1 | 29.1 | 0.242 |
| | | 10.00 | 5.90 | 15.90 | TWO | 30.982 | 298.8 | -25.7 | 34.4 | | | | | | | | | | |
| 46460.0 | 51910.0 | 0.431 | 241.9 | -10.8 | 3.02 | 1.416 | 96.4 | 0.976 | 40.309 | 347.0 | 523.6 | 0.973 | 79.646A | -1.25 | 0.204 | 167.0 | 80.4 | 28.2 | 0.242 |
| | | 9.12 | 5.90 | 15.01 | ONE | 30.982 | 298.8 | -25.7 | 34.2 | | | | | | | | | | |
| 46470.0 | 51910.0 | 0.404 | 234.1 | -16.6 | 0.77 | 1.415 | 91.5 | 0.976 | 40.612 | 357.0 | 523.4 | 0.986 | 80.238A | 1.02 | 0.205 | 166.9 | 80.5 | 28.7 | 0.242 |
| | | 8.53 | 5.90 | 14.43 | ONE | 30.982 | 298.8 | -25.7 | 34.1 | | | | | | | | | | |
| 46480.0 | 51910.0 | 0.407 | 226.7 | -15.9 | 0.45 | 1.414 | 86.5 | 0.976 | 40.727 | 7.1 | 163.4 | 0.985D | 80.469A | 1.35 | 0.205 | 166.9 | 80.5 | 28.7 | 0.243 |
| | | 8.58 | 5.90 | 14.48 | ONE | 30.982 | 298.8 | -25.7 | 34.1 | | | | | | | | | | |
| 46490.0 | 51910.0 | 0.434 | 220.3 | -14.6 | 0.32 | 1.412 | 81.5 | 0.976 | 40.655 | 17.3 | 163.6 | 0.969D | 80.341A | 1.50 | 0.205 | 167.0 | 80.4 | 28.7 | 0.243 |
| | | 9.19 | 5.91 | 15.10 | ONE | 30.982 | 298.8 | -25.7 | 34.1 | | | | | | | | | | |
| 46500.0 | 51910.0 | 0.483 | 216.1 | -13.5 | 0.26 | 1.410 | 76.4 | 0.977 | 40.409 | 27.6 | 163.9 | 0.937D | 79.881A | 1.58 | 0.204 | 167.2 | 80.2 | 28.7 | 0.243 |
| | | 10.32 | 5.91 | 16.23 | ONE | 30.982 | 298.8 | -25.7 | 34.3 | | | | | | | | | | |

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / COIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46510.0 | 51910.0 | 0.547 | 214.1 | -13.1 | 0.22 | 1.408 | 71.2 | 0.978 | 40.011 | 38.0 | 164.3 | 0.891D | 79.131A | 1.63 | 0.204 | 167.5 | 79.9 | 28.7 | 0.243 |
| | | 11.89 | 5.91 | 17.80 | ONE | 30.982 | 298.8 | -25.7 | 34.6 | | | | | | | | | | |
| 46520.0 | 51910.0 | 0.623 | 214.0 | -13.2 | 0.20 | 1.406 | 66.0 | 0.979 | 39.492 | 48.5 | 164.9 | 0.832D | 78.151A | 1.68 | 0.203 | 167.9 | 79.5 | 28.7 | 0.244 |
| | | 13.79 | 5.92 | 19.71 | ONE | 30.982 | 298.8 | -25.7 | 34.9 | | | | | | | | | | |
| ARRIVAL DATE = 2452110.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 52110.0 | 0.590 | 245.3 | -22.2 | -0.30 | 1.415 | 110.9 | 0.973 | 32.193 | 317.5 | 525.8 | 0.856 | 63.529A | 2.03 | 0.188 | 166.7 | 78.6 | 28.7 | 0.231 |
| | | 12.94 | 5.75 | 18.70 | TWO | 29.090 | 300.1 | -25.4 | 37.0 | | | | | | | | | | |
| 46440.0 | 52110.0 | 0.524 | 245.7 | -22.8 | -0.46 | 1.415 | 106.2 | 0.972 | 32.691 | 327.2 | 525.3 | 0.906 | 64.475A | 2.20 | 0.189 | 166.4 | 79.0 | 28.8 | 0.231 |
| | | 11.31 | 5.75 | 17.06 | TWO | 29.090 | 300.1 | -25.4 | 36.6 | | | | | | | | | | |
| 46450.0 | 52110.0 | 0.467 | 243.7 | -24.3 | -1.03 | 1.415 | 101.3 | 0.971 | 33.100 | 337.0 | 524.9 | 0.945 | 65.254A | 2.79 | 0.190 | 166.2 | 79.3 | 28.9 | 0.231 |
| | | 9.96 | 5.76 | 15.72 | TWO | 29.090 | 300.1 | -25.4 | 36.3 | | | | | | | | | | |
| 46460.0 | 52110.0 | 0.431 | 242.6 | -8.7 | 3.70 | 1.414 | 96.5 | 0.971 | 33.405 | 346.9 | 524.7 | 0.972 | 65.837A | -1.93 | 0.191 | 166.1 | 79.7 | 28.0 | 0.231 |
| | | 9.14 | 5.76 | 14.89 | ONE | 29.090 | 300.1 | -25.4 | 36.1 | | | | | | | | | | |
| 46470.0 | 52110.0 | 0.402 | 234.2 | -17.0 | 0.67 | 1.413 | 91.5 | 0.971 | 33.594 | 356.9 | 524.5 | 0.986 | 66.203A | 1.12 | 0.192 | 166.0 | 79.7 | 28.6 | 0.232 |
| | | 8.49 | 5.76 | 14.25 | ONE | 29.090 | 300.1 | -25.4 | 35.9 | | | | | | | | | | |
| 46480.0 | 52110.0 | 0.404 | 226.8 | -16.2 | 0.37 | 1.412 | 86.6 | 0.971 | 33.663 | 7.0 | 164.5 | 0.985D | 66.342A | 1.42 | 0.192 | 166.0 | 79.8 | 28.7 | 0.232 |
| | | 8.53 | 5.76 | 14.30 | ONE | 29.090 | 300.1 | -25.4 | 35.9 | | | | | | | | | | |
| 46490.0 | 52110.0 | 0.432 | 220.5 | -14.8 | 0.27 | 1.410 | 81.5 | 0.971 | 33.613 | 17.2 | 164.6 | 0.969D | 66.257A | 1.54 | 0.192 | 166.1 | 79.7 | 28.7 | 0.232 |
| | | 9.14 | 5.76 | 14.90 | ONE | 29.090 | 300.1 | -25.4 | 36.0 | | | | | | | | | | |
| 46500.0 | 52110.0 | 0.480 | 216.2 | -13.7 | 0.21 | 1.408 | 76.5 | 0.972 | 33.451 | 27.5 | 164.9 | 0.938D | 65.964A | 1.61 | 0.191 | 166.3 | 79.5 | 28.7 | 0.232 |
| | | 10.25 | 5.77 | 16.02 | ONE | 29.090 | 300.1 | -25.4 | 36.2 | | | | | | | | | | |
| 46510.0 | 52110.0 | 0.544 | 214.2 | -13.2 | 0.18 | 1.406 | 71.3 | 0.973 | 33.190 | 37.8 | 165.3 | 0.893D | 65.488A | 1.66 | 0.191 | 166.6 | 79.2 | 28.7 | 0.232 |
| | | 11.80 | 5.77 | 17.57 | ONE | 29.090 | 300.1 | -25.4 | 36.4 | | | | | | | | | | |
| 46520.0 | 52110.0 | 0.619 | 214.2 | -13.3 | 0.16 | 1.404 | 66.2 | 0.975 | 32.849 | 48.3 | 165.9 | 0.834D | 64.864A | 1.69 | 0.190 | 167.0 | 78.8 | 28.6 | 0.233 |
| | | 13.69 | 5.78 | 19.47 | ONE | 29.090 | 300.1 | -25.4 | 36.8 | | | | | | | | | | |
| ARRIVAL DATE = 2452310.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 52310.0 | 0.590 | 245.6 | -22.0 | -0.21 | 1.414 | 111.0 | 0.970 | 28.202 | 317.3 | 526.8 | 0.855 | 55.549A | 1.96 | 0.176 | 165.8 | 77.7 | 28.6 | 0.221 |
| | | 12.94 | 5.63 | 18.57 | TWO | 31.063 | 301.4 | -25.1 | 38.9 | | | | | | | | | | |
| 46440.0 | 52310.0 | 0.523 | 246.1 | -22.5 | -0.32 | 1.414 | 106.2 | 0.968 | 28.556 | 327.0 | 526.3 | 0.905 | 56.206A | 2.07 | 0.177 | 165.5 | 78.2 | 28.7 | 0.221 |
| | | 11.30 | 5.63 | 16.93 | TWO | 31.063 | 301.4 | -25.1 | 38.5 | | | | | | | | | | |
| 46450.0 | 52310.0 | 0.466 | 244.2 | -23.3 | -0.66 | 1.413 | 101.4 | 0.967 | 28.845 | 336.8 | 525.9 | 0.945 | 56.745A | 2.43 | 0.178 | 165.3 | 78.5 | 28.8 | 0.221 |
| | | 9.94 | 5.63 | 15.57 | TWO | 31.063 | 301.4 | -25.1 | 38.2 | | | | | | | | | | |
| 46460.0 | 52310.0 | 0.441 | 244.5 | -1.8 | 5.97 | 1.413 | 96.5 | 0.967 | 29.059 | 346.7 | 525.7 | 0.972 | 57.146A | -4.20 | 0.179 | 165.1 | 78.9 | 27.5 | 0.222 |
| | | 9.36 | 5.63 | 14.99 | ONE | 31.063 | 301.4 | -25.1 | 38.0 | | | | | | | | | | |
| 46470.0 | 52310.0 | 0.401 | 234.4 | -17.5 | 0.55 | 1.412 | 91.6 | 0.966 | 29.191 | 356.7 | 525.5 | 0.986 | 57.396A | 1.23 | 0.180 | 165.1 | 78.9 | 28.6 | 0.222 |
| | | 8.46 | 5.63 | 14.09 | ONE | 31.063 | 301.4 | -25.1 | 37.8 | | | | | | | | | | |
| 46480.0 | 52310.0 | 0.403 | 227.1 | -16.6 | 0.29 | 1.410 | 86.7 | 0.966 | 29.238 | 6.8 | 165.5 | 0.985D | 57.490A | 1.50 | 0.180 | 165.1 | 79.0 | 28.7 | 0.222 |
| | | 8.49 | 5.63 | 14.13 | ONE | 31.063 | 301.4 | -25.1 | 37.8 | | | | | | | | | | |
| 46490.0 | 52310.0 | 0.429 | 220.7 | -15.1 | 0.20 | 1.409 | 81.7 | 0.967 | 29.200 | 17.0 | 165.6 | 0.969D | 57.430A | 1.60 | 0.180 | 165.2 | 78.9 | 28.7 | 0.222 |
| | | 9.08 | 5.64 | 14.72 | ONE | 31.063 | 301.4 | -25.1 | 37.9 | | | | | | | | | | |
| 46500.0 | 52310.0 | 0.477 | 216.4 | -14.0 | 0.16 | 1.407 | 76.6 | 0.968 | 29.082 | 27.2 | 165.9 | 0.939D | 57.226A | 1.65 | 0.179 | 165.4 | 78.7 | 28.7 | 0.222 |
| | | 10.18 | 5.64 | 15.82 | ONE | 31.063 | 301.4 | -25.1 | 38.1 | | | | | | | | | | |
| 46510.0 | 52310.0 | 0.540 | 214.4 | -13.4 | 0.14 | 1.405 | 71.5 | 0.969 | 28.895 | 37.6 | 166.3 | 0.894D | 56.895A | 1.69 | 0.179 | 165.7 | 78.3 | 28.6 | 0.223 |
| | | 11.72 | 5.64 | 17.36 | ONE | 31.063 | 301.4 | -25.1 | 38.4 | | | | | | | | | | |
| 46520.0 | 52310.0 | 0.615 | 214.4 | -13.5 | 0.12 | 1.403 | 66.4 | 0.971 | 28.648 | 48.0 | 166.8 | 0.836D | 56.460A | 1.71 | 0.178 | 166.1 | 77.9 | 28.6 | 0.223 |
| | | 13.59 | 5.65 | 19.24 | ONE | 31.063 | 301.4 | -25.1 | 38.7 | | | | | | | | | | |
| ARRIVAL DATE = 2452510.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 52510.0 | 0.590 | 246.0 | -21.9 | -0.13 | 1.412 | 111.1 | 0.966 | 25.442 | 317.0 | 527.7 | 0.853 | 50.031A | 1.89 | 0.165 | 164.9 | 76.8 | 28.5 | 0.213 |
| | | 12.96 | 5.52 | 18.48 | TWO | 29.134 | 302.7 | -24.8 | 40.9 | | | | | | | | | | |
| 46440.0 | 52510.0 | 0.524 | 246.5 | -22.2 | -0.20 | 1.412 | 106.4 | 0.965 | 25.710 | 326.7 | 527.2 | 0.904 | 50.516A | 1.96 | 0.166 | 164.5 | 77.3 | 28.6 | 0.213 |
| | | 11.30 | 5.52 | 16.82 | TWO | 29.134 | 302.7 | -24.8 | 40.5 | | | | | | | | | | |
| 46450.0 | 52510.0 | 0.466 | 244.7 | -22.6 | -0.38 | 1.412 | 101.5 | 0.964 | 25.928 | 336.5 | 526.9 | 0.944 | 50.912A | 2.15 | 0.167 | 164.3 | 77.7 | 28.7 | 0.213 |
| | | 9.94 | 5.52 | 15.46 | TWO | 29.134 | 302.7 | -24.8 | 40.2 | | | | | | | | | | |
| 46460.0 | 52510.0 | 0.601 | 218.1 | -74.9 | -20.65 | 1.411 | 96.7 | 0.963 | 26.089 | 346.4 | 526.6 | 0.971 | 51.207A | 22.42 | 0.168 | 164.1 | 76.6 | 32.8 | 0.215 |
| | | 13.24 | 5.56 | 18.79 | TWO | 29.134 | 302.7 | -24.8 | 40.9 | | | | | | | | | | |
| 46470.0 | 52510.0 | 0.400 | 234.8 | -18.1 | 0.40 | 1.410 | 91.7 | 0.962 | 26.188 | 356.4 | 526.5 | 0.986 | 51.390A | 1.38 | 0.168 | 164.0 | 78.1 | 28.6 | 0.213 |
| | | 8.43 | 5.52 | 13.95 | ONE | 29.134 | 302.7 | -24.8 | 39.8 | | | | | | | | | | |
| 46480.0 | 52510.0 | 0.401 | 227.4 | -17.0 | 0.20 | 1.409 | 86.8 | 0.962 | 26.222 | 6.5 | 166.5 | 0.985D | 51.459A | 1.58 | 0.168 | 164.1 | 78.1 | 28.6 | 0.213 |
| | | 8.45 | 5.52 | 13.98 | ONE | 29.134 | 302.7 | -24.8 | 39.8 | | | | | | | | | | |
| 46490.0 | 52510.0 | 0.427 | 221.0 | -15.4 | 0.14 | 1.407 | 81.8 | 0.963 | 26.192 | 16.7 | 166.6 | 0.970D | 51.414A | 1.65 | 0.168 | 164.2 | 78.0 | 28.6 | 0.213 |
| | | 9.03 | 5.52 | 14.55 | ONE | 29.134 | 302.7 | -24.8 | 39.8 | | | | | | | | | | |
| 46500.0 | 52510.0 | 0.474 | 216.7 | -14.2 | 0.11 | 1.405 | 76.8 | 0.964 | 26.102 | 27.0 | 166.8 | 0.940D | 51.264A | 1.69 | 0.168 | 164.4 | 77.8 | 28.6 | 0.213 |
| | | 10.11 | 5.53 | 15.64 | ONE | 29.134 | 302.7 | -24.8 | 40.0 | | | | | | | | | | |

1986
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46510.0 | 52510.0 | 0.537 | 214.7 | -13.6 | 0.09 | 1.403 | 71.7 | 0.965 | 25.958 | 37.3 | 167.2 | 0.896D | 51.021A | 1.71 | 0.167 | 164.7 | 77.5 | 28.6 | 0.214 |
| | | 11.63 | 5.53 | 17.16 | ONE | 29.134 | 302.7 | -24.8 | 40.3 | | | | | | | | | | |
| 46520.0 | 52510.0 | 0.611 | 214.6 | -13.7 | 0.08 | 1.401 | 66.6 | 0.967 | 25.769 | 47.7 | 167.7 | 0.838D | 50.700A | 1.73 | 0.166 | 165.1 | 77.1 | 28.5 | 0.214 |
| | | 13.48 | 5.54 | 19.02 | ONE | 29.134 | 302.7 | -24.8 | 40.7 | | | | | | | | | | |
| ARRIVAL DATE = 2452710.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 52710.0 | 0.592 | 246.4 | -21.8 | -0.06 | 1.411 | 111.3 | 0.964 | 23.432 | 316.6 | 528.5 | 0.851 | 46.013A | 1.82 | 0.154 | 163.8 | 75.9 | 28.5 | 0.205 |
| | | 12.99 | 5.43 | 18.41 | TWO | 30.845 | 303.9 | -24.5 | 42.9 | | | | | | | | | | |
| 46440.0 | 52710.0 | 0.524 | 246.9 | -22.0 | -0.09 | 1.411 | 106.5 | 0.962 | 23.644 | 326.4 | 528.1 | 0.903 | 46.386A | 1.85 | 0.156 | 163.5 | 76.4 | 28.5 | 0.204 |
| | | 11.32 | 5.42 | 16.75 | TWO | 30.845 | 303.9 | -24.5 | 42.5 | | | | | | | | | | |
| 46450.0 | 52710.0 | 0.467 | 245.3 | -22.0 | -0.16 | 1.411 | 101.7 | 0.960 | 23.817 | 336.2 | 527.7 | 0.943 | 46.691A | 1.93 | 0.157 | 163.2 | 76.7 | 28.6 | 0.204 |
| | | 9.94 | 5.42 | 15.37 | TWO | 30.845 | 303.9 | -24.5 | 42.2 | | | | | | | | | | |
| 46460.0 | 52710.0 | 0.424 | 240.4 | -25.1 | -1.32 | 1.410 | 96.8 | 0.959 | 23.944 | 346.1 | 527.5 | 0.971 | 46.917A | 3.10 | 0.157 | 163.0 | 77.0 | 28.9 | 0.204 |
| | | 8.96 | 5.42 | 14.38 | TWO | 30.845 | 303.9 | -24.5 | 41.9 | | | | | | | | | | |
| 46470.0 | 52710.0 | 0.399 | 235.1 | -18.8 | 0.21 | 1.409 | 91.9 | 0.959 | 24.022 | 356.1 | 527.4 | 0.985 | 47.058A | 1.57 | 0.158 | 163.0 | 77.2 | 28.5 | 0.204 |
| | | 8.41 | 5.42 | 13.84 | ONE | 30.845 | 303.9 | -24.5 | 41.8 | | | | | | | | | | |
| 46480.0 | 52710.0 | 0.399 | 227.8 | -17.5 | 0.10 | 1.408 | 86.9 | 0.959 | 24.048 | 6.2 | 167.4 | 0.986D | 47.111A | 1.68 | 0.158 | 163.0 | 77.2 | 28.6 | 0.204 |
| | | 8.42 | 5.42 | 13.84 | ONE | 30.845 | 303.9 | -24.5 | 41.8 | | | | | | | | | | |
| 46490.0 | 52710.0 | 0.424 | 221.4 | -15.8 | 0.07 | 1.406 | 82.0 | 0.960 | 24.024 | 16.4 | 167.5 | 0.971D | 47.078A | 1.72 | 0.158 | 163.1 | 77.1 | 28.6 | 0.205 |
| | | 8.98 | 5.43 | 14.40 | ONE | 30.845 | 303.9 | -24.5 | 41.8 | | | | | | | | | | |
| 46500.0 | 52710.0 | 0.471 | 217.1 | -14.5 | 0.05 | 1.404 | 76.9 | 0.961 | 23.952 | 26.6 | 167.7 | 0.942D | 46.963A | 1.73 | 0.157 | 163.3 | 76.9 | 28.6 | 0.205 |
| | | 10.04 | 5.43 | 15.47 | ONE | 30.845 | 303.9 | -24.5 | 42.0 | | | | | | | | | | |
| 46510.0 | 52710.0 | 0.533 | 215.0 | -13.9 | 0.04 | 1.402 | 71.9 | 0.962 | 23.837 | 36.9 | 168.0 | 0.898D | 46.777A | 1.75 | 0.157 | 163.6 | 76.6 | 28.5 | 0.205 |
| | | 11.53 | 5.44 | 16.97 | ONE | 30.845 | 303.9 | -24.5 | 42.3 | | | | | | | | | | |
| 46520.0 | 52710.0 | 0.606 | 215.0 | -13.9 | 0.04 | 1.400 | 66.8 | 0.964 | 23.686 | 47.3 | 168.5 | 0.841D | 46.530A | 1.75 | 0.156 | 164.1 | 76.2 | 28.5 | 0.206 |
| | | 13.36 | 5.44 | 18.81 | ONE | 30.845 | 303.9 | -24.5 | 42.7 | | | | | | | | | | |
| ARRIVAL DATE = 2452910.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 52910.0 | 0.593 | 246.8 | -21.7 | 0.01 | 1.410 | 111.4 | 0.961 | 21.912 | 316.2 | 529.3 | 0.849 | 42.975A | 1.77 | 0.144 | 162.7 | 74.9 | 28.3 | 0.197 |
| | | 13.03 | 5.34 | 18.37 | TWO | 29.459 | 305.2 | -24.2 | 45.0 | | | | | | | | | | |
| 46440.0 | 52910.0 | 0.526 | 247.4 | -21.8 | 0.01 | 1.410 | 106.6 | 0.959 | 22.087 | 326.0 | 528.9 | 0.901 | 43.272A | 1.76 | 0.146 | 162.4 | 75.4 | 28.4 | 0.197 |
| | | 11.35 | 5.34 | 16.69 | TWO | 29.459 | 305.2 | -24.2 | 44.5 | | | | | | | | | | |
| 46450.0 | 52910.0 | 0.467 | 245.9 | -21.5 | 0.02 | 1.410 | 101.8 | 0.958 | 22.228 | 335.8 | 528.6 | 0.942 | 43.514A | 1.75 | 0.147 | 162.1 | 75.8 | 28.5 | 0.197 |
| | | 9.96 | 5.34 | 15.30 | TWO | 29.459 | 305.2 | -24.2 | 44.2 | | | | | | | | | | |
| 46460.0 | 52910.0 | 0.423 | 241.9 | -20.6 | 0.12 | 1.409 | 96.9 | 0.957 | 22.332 | 345.8 | 528.4 | 0.970 | 43.694A | 1.66 | 0.147 | 161.9 | 76.1 | 28.5 | 0.197 |
| | | 8.95 | 5.34 | 14.28 | TWO | 29.459 | 305.2 | -24.2 | 43.9 | | | | | | | | | | |
| 46470.0 | 52910.0 | 0.398 | 235.5 | -19.8 | -0.04 | 1.408 | 92.1 | 0.956 | 22.396 | 355.8 | 528.2 | 0.985 | 43.806A | 1.81 | 0.148 | 161.8 | 76.2 | 28.5 | 0.197 |
| | | 8.40 | 5.34 | 13.73 | ONE | 29.459 | 305.2 | -24.2 | 43.8 | | | | | | | | | | |
| 46480.0 | 52910.0 | 0.398 | 228.3 | -18.0 | -0.02 | 1.407 | 87.1 | 0.956 | 22.417 | 5.9 | 168.2 | 0.986D | 43.849A | 1.79 | 0.148 | 161.8 | 76.3 | 28.5 | 0.197 |
| | | 8.39 | 5.34 | 13.72 | ONE | 29.459 | 305.2 | -24.2 | 43.8 | | | | | | | | | | |
| 46490.0 | 52910.0 | 0.422 | 221.9 | -16.2 | -0.01 | 1.405 | 82.2 | 0.957 | 22.398 | 16.1 | 168.3 | 0.972D | 43.824A | 1.78 | 0.148 | 161.9 | 76.2 | 28.5 | 0.197 |
| | | 8.92 | 5.34 | 14.26 | ONE | 29.459 | 305.2 | -24.2 | 43.8 | | | | | | | | | | |
| 46500.0 | 52910.0 | 0.467 | 217.5 | -14.8 | -0.01 | 1.403 | 77.2 | 0.958 | 22.339 | 26.3 | 168.5 | 0.943D | 43.734A | 1.78 | 0.147 | 162.2 | 76.0 | 28.5 | 0.197 |
| | | 9.96 | 5.34 | 15.31 | ONE | 29.459 | 305.2 | -24.2 | 44.0 | | | | | | | | | | |
| 46510.0 | 52910.0 | 0.529 | 215.4 | -14.1 | -0.01 | 1.401 | 72.1 | 0.960 | 22.244 | 36.5 | 168.8 | 0.900D | 43.587A | 1.78 | 0.147 | 162.5 | 75.7 | 28.4 | 0.198 |
| | | 11.44 | 5.35 | 16.78 | ONE | 29.459 | 305.2 | -24.2 | 44.3 | | | | | | | | | | |
| 46520.0 | 52910.0 | 0.602 | 215.3 | -14.1 | -0.01 | 1.399 | 67.0 | 0.962 | 22.118 | 46.9 | 169.2 | 0.844D | 43.392A | 1.78 | 0.146 | 163.0 | 75.2 | 28.4 | 0.198 |
| | | 13.25 | 5.36 | 18.60 | ONE | 29.459 | 305.2 | -24.2 | 44.7 | | | | | | | | | | |
| ARRIVAL DATE = 2453110.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 53110.0 | 0.595 | 247.2 | -21.6 | 0.07 | 1.409 | 111.6 | 0.959 | 20.731 | 315.8 | 530.1 | 0.847 | 40.614A | 1.71 | 0.135 | 161.5 | 73.9 | 28.2 | 0.191 |
| | | 13.09 | 5.27 | 18.35 | TWO | 30.395 | 306.5 | -23.9 | 47.1 | | | | | | | | | | |
| 46440.0 | 53110.0 | 0.527 | 247.9 | -21.6 | 0.10 | 1.409 | 106.8 | 0.957 | 20.877 | 325.6 | 529.7 | 0.899 | 40.856A | 1.68 | 0.136 | 161.1 | 74.4 | 28.3 | 0.190 |
| | | 11.40 | 5.26 | 16.66 | TWO | 30.395 | 306.5 | -23.9 | 46.6 | | | | | | | | | | |
| 46450.0 | 53110.0 | 0.469 | 246.5 | -21.2 | 0.18 | 1.409 | 102.0 | 0.955 | 20.997 | 335.4 | 529.4 | 0.940 | 41.053A | 1.60 | 0.137 | 160.8 | 74.8 | 28.3 | 0.190 |
| | | 9.99 | 5.26 | 15.25 | TWO | 30.395 | 306.5 | -23.9 | 46.2 | | | | | | | | | | |
| 46460.0 | 53110.0 | 0.424 | 242.9 | -19.0 | 0.64 | 1.408 | 97.1 | 0.954 | 21.084 | 345.4 | 529.2 | 0.969 | 41.199A | 1.13 | 0.138 | 160.7 | 75.1 | 28.3 | 0.190 |
| | | 8.96 | 5.26 | 14.22 | TWO | 30.395 | 306.5 | -23.9 | 46.0 | | | | | | | | | | |
| 46470.0 | 53110.0 | 0.398 | 235.9 | -21.1 | -0.38 | 1.407 | 92.2 | 0.953 | 21.138 | 355.4 | 529.0 | 0.985 | 41.291A | 2.15 | 0.139 | 160.6 | 75.3 | 28.5 | 0.190 |
| | | 8.39 | 5.26 | 13.65 | ONE | 30.395 | 306.5 | -23.9 | 45.8 | | | | | | | | | | |
| 46480.0 | 53110.0 | 0.396 | 228.9 | -18.6 | -0.15 | 1.406 | 87.3 | 0.953 | 21.157 | 5.5 | 169.0 | 0.986D | 41.327A | 1.92 | 0.139 | 160.6 | 75.3 | 28.5 | 0.190 |
| | | 8.36 | 5.26 | 13.62 | ONE | 30.395 | 306.5 | -23.9 | 45.8 | | | | | | | | | | |
| 46490.0 | 53110.0 | 0.420 | 222.4 | -16.6 | -0.09 | 1.404 | 82.4 | 0.954 | 21.140 | 15.6 | 169.1 | 0.973D | 41.308A | 1.86 | 0.139 | 160.7 | 75.2 | 28.4 | 0.190 |
| | | 8.87 | 5.26 | 14.13 | ONE | 30.395 | 306.5 | -23.9 | 45.9 | | | | | | | | | | |
| 46500.0 | 53110.0 | 0.464 | 218.0 | -15.2 | -0.07 | 1.402 | 77.4 | 0.955 | 21.090 | 25.8 | 169.3 | 0.945D | 41.236A | 1.83 | 0.138 | 160.9 | 75.0 | 28.4 | 0.191 |
| | | 9.89 | 5.27 | 15.15 | ONE | 30.395 | 306.5 | -23.9 | 46.1 | | | | | | | | | | |

1986
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| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46510.0 | 53110.0 | 0.525 | 215.8 | -14.4 | -0.06 | 1.400 | 72.4 | 0.957 | 21.010 | 36.1 | 169.6 | 0.902D | 41.118A | 1.81 | 0.138 | 161.3 | 74.7 | 28.4 | 0.191 |
| | | 11.34 | 5.27 | 16.61 | ONE | 30.395 | 306.5 | -23.9 | 46.3 | | | | | | | | | | |
| 46520.0 | 53110.0 | 0.597 | 215.7 | -14.3 | -0.05 | 1.398 | 67.3 | 0.959 | 20.904 | 46.4 | 170.0 | 0.847D | 40.961A | 1.80 | 0.137 | 161.7 | 74.3 | 28.3 | 0.192 |
| | | 13.13 | 5.28 | 18.41 | ONE | 30.395 | 306.5 | -23.9 | 46.7 | | | | | | | | | | |
| ARRIVAL DATE = 2453310.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 53310.0 | 0.598 | 247.7 | -21.6 | 0.14 | 1.408 | 111.8 | 0.957 | 19.792 | 315.3 | 530.8 | 0.844 | 38.739A | 1.66 | 0.127 | 160.2 | 72.9 | 28.1 | 0.185 |
| | | 13.15 | 5.20 | 18.36 | TWO | 29.968 | 307.7 | -23.5 | 49.2 | | | | | | | | | | |
| 46440.0 | 53310.0 | 0.530 | 248.5 | -21.5 | 0.19 | 1.408 | 107.0 | 0.955 | 19.918 | 325.1 | 530.4 | 0.897 | 38.939A | 1.60 | 0.128 | 159.8 | 73.4 | 28.2 | 0.184 |
| | | 11.45 | 5.20 | 16.65 | TWO | 29.968 | 307.7 | -23.5 | 48.7 | | | | | | | | | | |
| 46450.0 | 53310.0 | 0.470 | 247.2 | -20.9 | 0.30 | 1.408 | 102.2 | 0.953 | 20.021 | 335.0 | 530.1 | 0.939 | 39.103A | 1.48 | 0.129 | 159.5 | 73.8 | 28.2 | 0.184 |
| | | 10.03 | 5.19 | 15.22 | TWO | 29.968 | 307.7 | -23.5 | 48.3 | | | | | | | | | | |
| 46460.0 | 53310.0 | 0.425 | 243.8 | -18.2 | 0.92 | 1.407 | 97.3 | 0.952 | 20.097 | 345.0 | 529.9 | 0.969 | 39.225A | 0.86 | 0.130 | 159.3 | 74.1 | 28.1 | 0.184 |
| | | 8.98 | 5.19 | 14.18 | TWO | 29.968 | 307.7 | -23.5 | 48.1 | | | | | | | | | | |
| 46470.0 | 53310.0 | 0.398 | 236.3 | -23.0 | -0.88 | 1.406 | 92.4 | 0.951 | 20.143 | 355.0 | 529.8 | 0.985 | 39.302A | 2.65 | 0.130 | 159.2 | 74.2 | 28.6 | 0.184 |
| | | 8.40 | 5.19 | 13.59 | ONE | 29.968 | 307.7 | -23.5 | 47.9 | | | | | | | | | | |
| 46480.0 | 53310.0 | 0.395 | 229.5 | -19.4 | -0.30 | 1.405 | 87.5 | 0.951 | 20.159 | 5.1 | 169.8 | 0.987D | 39.332A | 2.06 | 0.130 | 159.2 | 74.3 | 28.4 | 0.184 |
| | | 8.33 | 5.19 | 13.52 | ONE | 29.968 | 307.7 | -23.5 | 47.9 | | | | | | | | | | |
| 46490.0 | 53310.0 | 0.417 | 223.0 | -17.1 | -0.18 | 1.403 | 82.6 | 0.952 | 20.146 | 15.2 | 169.9 | 0.974D | 39.318A | 1.94 | 0.130 | 159.3 | 74.3 | 28.4 | 0.184 |
| | | 8.82 | 5.19 | 14.01 | ONE | 29.968 | 307.7 | -23.5 | 47.9 | | | | | | | | | | |
| 46500.0 | 53310.0 | 0.461 | 218.5 | -15.5 | -0.14 | 1.401 | 77.6 | 0.953 | 20.103 | 25.4 | 170.0 | 0.946D | 39.260A | 1.88 | 0.130 | 159.6 | 74.1 | 28.3 | 0.184 |
| | | 9.81 | 5.20 | 15.01 | ONE | 29.968 | 307.7 | -23.5 | 48.1 | | | | | | | | | | |
| 46510.0 | 53310.0 | 0.521 | 216.3 | -14.7 | -0.11 | 1.399 | 72.6 | 0.955 | 20.034 | 35.6 | 170.3 | 0.905D | 39.164A | 1.85 | 0.129 | 159.9 | 73.7 | 28.3 | 0.185 |
| | | 11.24 | 5.20 | 16.44 | ONE | 29.968 | 307.7 | -23.5 | 48.4 | | | | | | | | | | |
| 46520.0 | 53310.0 | 0.592 | 216.1 | -14.6 | -0.10 | 1.397 | 67.6 | 0.957 | 19.943 | 45.9 | 170.6 | 0.850D | 39.035A | 1.83 | 0.128 | 160.4 | 73.3 | 28.2 | 0.185 |
| | | 13.01 | 5.21 | 18.22 | ONE | 29.968 | 307.7 | -23.5 | 48.8 | | | | | | | | | | |
| ARRIVAL DATE = 2453510.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 53510.0 | 0.601 | 248.2 | -21.5 | 0.19 | 1.408 | 112.1 | 0.956 | 19.033 | 314.8 | 531.5 | 0.841 | 37.225A | 1.61 | 0.118 | 158.9 | 71.8 | 28.0 | 0.179 |
| | | 13.23 | 5.14 | 18.37 | TWO | 29.842 | 309.0 | -23.1 | 51.3 | | | | | | | | | | |
| 46440.0 | 53510.0 | 0.532 | 249.1 | -21.4 | 0.26 | 1.408 | 107.3 | 0.953 | 19.144 | 324.6 | 531.1 | 0.895 | 37.394A | 1.54 | 0.120 | 158.4 | 72.4 | 28.0 | 0.179 |
| | | 11.51 | 5.14 | 16.65 | TWO | 29.842 | 309.0 | -23.1 | 50.8 | | | | | | | | | | |
| 46450.0 | 53510.0 | 0.472 | 247.9 | -20.7 | 0.41 | 1.407 | 102.4 | 0.951 | 19.234 | 334.5 | 530.8 | 0.937 | 37.531A | 1.37 | 0.121 | 158.1 | 72.8 | 28.1 | 0.178 |
| | | 10.07 | 5.14 | 15.21 | TWO | 29.842 | 309.0 | -23.1 | 50.4 | | | | | | | | | | |
| 46460.0 | 53510.0 | 0.426 | 244.6 | -17.8 | 1.08 | 1.407 | 97.6 | 0.950 | 19.301 | 344.5 | 530.6 | 0.968 | 37.634A | 0.69 | 0.121 | 157.9 | 73.1 | 27.9 | 0.178 |
| | | 9.01 | 5.13 | 14.15 | TWO | 29.842 | 309.0 | -23.1 | 50.2 | | | | | | | | | | |
| 46470.0 | 53510.0 | 0.399 | 236.5 | -25.9 | -1.67 | 1.406 | 92.7 | 0.949 | 19.342 | 354.5 | 530.5 | 0.984 | 37.699A | 3.44 | 0.122 | 157.8 | 73.2 | 28.7 | 0.178 |
| | | 8.42 | 5.13 | 13.55 | ONE | 29.842 | 309.0 | -23.1 | 50.0 | | | | | | | | | | |
| 46480.0 | 53510.0 | 0.394 | 230.1 | -20.2 | -0.48 | 1.404 | 87.8 | 0.949 | 19.357 | 4.6 | 170.5 | 0.987D | 37.726A | 2.23 | 0.122 | 157.8 | 73.3 | 28.4 | 0.178 |
| | | 8.31 | 5.13 | 13.44 | ONE | 29.842 | 309.0 | -23.1 | 50.0 | | | | | | | | | | |
| 46490.0 | 53510.0 | 0.415 | 223.7 | -17.7 | -0.28 | 1.403 | 82.8 | 0.950 | 19.345 | 14.7 | 170.6 | 0.975D | 37.715A | 2.03 | 0.122 | 157.9 | 73.2 | 28.3 | 0.178 |
| | | 8.76 | 5.13 | 13.90 | ONE | 29.842 | 309.0 | -23.1 | 50.0 | | | | | | | | | | |
| 46500.0 | 53510.0 | 0.458 | 219.1 | -15.9 | -0.21 | 1.401 | 77.9 | 0.951 | 19.308 | 24.9 | 170.7 | 0.948D | 37.668A | 1.94 | 0.121 | 158.1 | 73.1 | 28.2 | 0.179 |
| | | 9.73 | 5.14 | 14.87 | ONE | 29.842 | 309.0 | -23.1 | 50.2 | | | | | | | | | | |
| 46510.0 | 53510.0 | 0.517 | 216.8 | -15.0 | -0.17 | 1.399 | 72.9 | 0.953 | 19.248 | 35.1 | 171.0 | 0.908D | 37.589A | 1.89 | 0.121 | 158.5 | 72.7 | 28.2 | 0.179 |
| | | 11.14 | 5.14 | 16.28 | ONE | 29.842 | 309.0 | -23.1 | 50.5 | | | | | | | | | | |
| 46520.0 | 53510.0 | 0.587 | 216.5 | -14.8 | -0.14 | 1.396 | 67.9 | 0.955 | 19.168 | 45.3 | 171.3 | 0.854D | 37.482A | 1.85 | 0.120 | 159.0 | 72.3 | 28.1 | 0.180 |
| | | 12.88 | 5.15 | 18.03 | ONE | 29.842 | 309.0 | -23.1 | 50.9 | | | | | | | | | | |
| ARRIVAL DATE = 2453710.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 53710.0 | 0.605 | 248.8 | -21.5 | 0.25 | 1.407 | 112.3 | 0.954 | 18.412 | 314.2 | 532.1 | 0.838 | 35.987A | 1.57 | 0.111 | 157.4 | 70.8 | 27.8 | 0.174 |
| | | 13.32 | 5.09 | 18.41 | TWO | 30.499 | 310.2 | -22.8 | 53.4 | | | | | | | | | | |
| 46440.0 | 53710.0 | 0.535 | 249.7 | -21.3 | 0.33 | 1.407 | 107.5 | 0.952 | 18.511 | 324.1 | 531.8 | 0.892 | 36.130A | 1.48 | 0.112 | 156.9 | 71.3 | 27.9 | 0.174 |
| | | 11.58 | 5.09 | 16.67 | TWO | 30.499 | 310.2 | -22.8 | 53.0 | | | | | | | | | | |
| 46450.0 | 53710.0 | 0.474 | 248.7 | -20.5 | 0.51 | 1.407 | 102.7 | 0.950 | 18.591 | 334.0 | 531.5 | 0.935 | 36.247A | 1.28 | 0.113 | 156.6 | 71.8 | 27.9 | 0.173 |
| | | 10.13 | 5.08 | 15.21 | TWO | 30.499 | 310.2 | -22.8 | 52.6 | | | | | | | | | | |
| 46460.0 | 53710.0 | 0.428 | 245.5 | -17.6 | 1.20 | 1.406 | 97.8 | 0.948 | 18.650 | 344.0 | 531.3 | 0.966 | 36.335A | 0.58 | 0.114 | 156.3 | 72.1 | 27.8 | 0.173 |
| | | 9.05 | 5.08 | 14.13 | TWO | 30.499 | 310.2 | -22.8 | 52.3 | | | | | | | | | | |
| 46470.0 | 53710.0 | 0.403 | 236.2 | -31.1 | -3.14 | 1.405 | 92.9 | 0.947 | 18.687 | 354.0 | 531.2 | 0.984 | 36.391A | 4.91 | 0.114 | 156.2 | 72.1 | 28.9 | 0.173 |
| | | 8.51 | 5.08 | 13.59 | ONE | 30.499 | 310.2 | -22.8 | 52.2 | | | | | | | | | | |
| 46480.0 | 53710.0 | 0.393 | 230.9 | -21.1 | -0.69 | 1.404 | 88.0 | 0.947 | 18.701 | 4.1 | 171.2 | 0.987D | 36.415A | 2.44 | 0.114 | 156.2 | 72.3 | 28.3 | 0.173 |
| | | 8.29 | 5.08 | 13.37 | ONE | 30.499 | 310.2 | -22.8 | 52.1 | | | | | | | | | | |
| 46490.0 | 53710.0 | 0.413 | 224.4 | -18.3 | -0.39 | 1.402 | 83.1 | 0.948 | 18.691 | 14.2 | 171.2 | 0.976D | 36.407A | 2.13 | 0.114 | 156.3 | 72.2 | 28.2 | 0.173 |
| | | 8.71 | 5.08 | 13.80 | ONE | 30.499 | 310.2 | -22.8 | 52.1 | | | | | | | | | | |
| 46500.0 | 53710.0 | 0.454 | 219.7 | -16.4 | -0.28 | 1.400 | 78.1 | 0.949 | 18.659 | 24.4 | 171.4 | 0.950D | 36.368A | 2.00 | 0.114 | 156.6 | 72.0 | 28.1 | 0.173 |
| | | 9.65 | 5.09 | 14.74 | ONE | 30.499 | 310.2 | -22.8 | 52.3 | | | | | | | | | | |

1986
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| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46510.0 | 53710.0 | 0.512 | 217.4 | -15.4 | -0.22 | 1.398 | 73.2 | 0.951 | 18.606 | 34.5 | 171.6 | 0.910D | 36.302A | 1.93 | 0.113 | 156.9 | 71.7 | 28.1 | 0.174 |
| | | 11.03 | 5.09 | 16.12 | ONE | 30.499 | 310.2 | -22.8 | 52.6 | | | | | | | | | | |
| 46520.0 | 53710.0 | 0.582 | 217.0 | -15.1 | -0.19 | 1.396 | 68.2 | 0.954 | 18.535 | 44.8 | 171.9 | 0.857D | 36.213A | 1.88 | 0.112 | 157.4 | 71.3 | 28.0 | 0.175 |
| | | 12.75 | 5.10 | 17.85 | ONE | 30.499 | 310.2 | -22.8 | 52.9 | | | | | | | | | | |
| ARRIVAL DATE = 2453910.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 53910.0 | 0.608 | 249.3 | -21.4 | 0.30 | 1.406 | 112.6 | 0.953 | 17.899 | 313.6 | 532.7 | 0.835 | 34.963A | 1.53 | 0.103 | 155.7 | 69.7 | 27.7 | 0.170 |
| | | 13.41 | 5.05 | 18.46 | TWO | 29.347 | 311.4 | -22.4 | 55.6 | | | | | | | | | | |
| 46440.0 | 53910.0 | 0.538 | 250.4 | -21.2 | 0.39 | 1.406 | 107.8 | 0.951 | 17.987 | 323.5 | 532.4 | 0.889 | 35.085A | 1.42 | 0.105 | 155.3 | 70.3 | 27.7 | 0.169 |
| | | 11.67 | 5.04 | 16.71 | TWO | 29.347 | 311.4 | -22.4 | 55.1 | | | | | | | | | | |
| 46450.0 | 53910.0 | 0.477 | 249.5 | -20.4 | 0.59 | 1.406 | 102.9 | 0.948 | 18.059 | 333.4 | 532.2 | 0.933 | 35.186A | 1.20 | 0.106 | 154.9 | 70.7 | 27.7 | 0.169 |
| | | 10.19 | 5.04 | 15.23 | TWO | 29.347 | 311.4 | -22.4 | 54.7 | | | | | | | | | | |
| 46460.0 | 53910.0 | 0.429 | 246.4 | -17.5 | 1.28 | 1.405 | 98.1 | 0.947 | 18.113 | 343.4 | 532.0 | 0.965 | 35.261A | 0.50 | 0.107 | 154.7 | 71.1 | 27.6 | 0.168 |
| | | 9.09 | 5.03 | 14.12 | TWO | 29.347 | 311.4 | -22.4 | 54.4 | | | | | | | | | | |
| 46470.0 | 53910.0 | 0.423 | 233.9 | -43.2 | -6.81 | 1.404 | 93.2 | 0.946 | 18.147 | 353.5 | 531.9 | 0.983 | 35.310A | 8.57 | 0.107 | 154.5 | 70.8 | 29.8 | 0.169 |
| | | 8.94 | 5.04 | 13.98 | ONE | 29.347 | 311.4 | -22.4 | 54.4 | | | | | | | | | | |
| 46480.0 | 53910.0 | 0.392 | 231.6 | -22.2 | -0.94 | 1.403 | 88.3 | 0.946 | 18.160 | 3.5 | 171.8 | 0.988D | 35.332A | 2.68 | 0.107 | 154.5 | 71.2 | 28.2 | 0.168 |
| | | 8.27 | 5.03 | 13.30 | ONE | 29.347 | 311.4 | -22.4 | 54.2 | | | | | | | | | | |
| 46490.0 | 53910.0 | 0.410 | 225.2 | -18.9 | -0.51 | 1.401 | 83.4 | 0.946 | 18.152 | 13.7 | 171.9 | 0.977D | 35.326A | 2.24 | 0.107 | 154.6 | 71.2 | 28.1 | 0.168 |
| | | 8.67 | 5.04 | 13.70 | ONE | 29.347 | 311.4 | -22.4 | 54.2 | | | | | | | | | | |
| 46500.0 | 53910.0 | 0.451 | 220.4 | -16.9 | -0.36 | 1.399 | 78.4 | 0.947 | 18.123 | 23.8 | 172.0 | 0.952D | 35.294A | 2.07 | 0.107 | 154.9 | 71.0 | 28.0 | 0.169 |
| | | 9.58 | 5.04 | 14.62 | ONE | 29.347 | 311.4 | -22.4 | 54.4 | | | | | | | | | | |
| 46510.0 | 53910.0 | 0.508 | 218.0 | -15.7 | -0.29 | 1.397 | 73.5 | 0.949 | 18.076 | 34.0 | 172.2 | 0.913D | 35.239A | 1.98 | 0.106 | 155.2 | 70.7 | 28.0 | 0.169 |
| | | 10.93 | 5.04 | 15.97 | ONE | 29.347 | 311.4 | -22.4 | 54.7 | | | | | | | | | | |
| 46520.0 | 53910.0 | 0.577 | 217.5 | -15.4 | -0.24 | 1.395 | 68.5 | 0.952 | 18.013 | 44.1 | 172.5 | 0.861D | 35.164A | 1.91 | 0.105 | 155.8 | 70.3 | 27.9 | 0.170 |
| | | 12.63 | 5.05 | 17.68 | ONE | 29.347 | 311.4 | -22.4 | 55.0 | | | | | | | | | | |
| ARRIVAL DATE = 2454110.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 54110.0 | 0.612 | 249.9 | -21.4 | 0.35 | 1.406 | 112.9 | 0.952 | 17.470 | 313.0 | 533.3 | 0.831 | 34.109A | 1.49 | 0.097 | 154.0 | 68.7 | 27.5 | 0.166 |
| | | 13.52 | 5.01 | 18.53 | TWO | 30.887 | 312.7 | -22.0 | 57.7 | | | | | | | | | | |
| 46440.0 | 54110.0 | 0.542 | 251.1 | -21.2 | 0.45 | 1.406 | 108.0 | 0.949 | 17.551 | 322.9 | 533.0 | 0.887 | 34.214A | 1.37 | 0.098 | 153.5 | 69.2 | 27.6 | 0.165 |
| | | 11.75 | 5.00 | 16.76 | TWO | 30.887 | 312.7 | -22.0 | 57.2 | | | | | | | | | | |
| 46450.0 | 54110.0 | 0.480 | 250.3 | -20.3 | 0.67 | 1.406 | 103.2 | 0.947 | 17.616 | 332.9 | 532.8 | 0.931 | 34.301A | 1.13 | 0.099 | 153.1 | 69.7 | 27.6 | 0.164 |
| | | 10.26 | 5.00 | 15.25 | TWO | 30.887 | 312.7 | -22.0 | 56.8 | | | | | | | | | | |
| 46460.0 | 54110.0 | 0.431 | 247.3 | -17.4 | 1.34 | 1.405 | 98.3 | 0.945 | 17.666 | 342.9 | 532.6 | 0.964 | 34.367A | 0.44 | 0.100 | 152.8 | 70.0 | 27.4 | 0.164 |
| | | 9.13 | 4.99 | 14.12 | TWO | 30.887 | 312.7 | -22.0 | 56.6 | | | | | | | | | | |
| 46480.0 | 54110.0 | 0.392 | 232.3 | -23.5 | -1.24 | 1.402 | 88.6 | 0.944 | 17.709 | 3.0 | 172.5 | 0.988D | 34.430A | 2.98 | 0.101 | 152.7 | 70.2 | 28.2 | 0.164 |
| | | 8.26 | 4.99 | 13.25 | ONE | 30.887 | 312.7 | -22.0 | 56.3 | | | | | | | | | | |
| 46490.0 | 54110.0 | 0.408 | 226.0 | -19.6 | -0.65 | 1.401 | 83.7 | 0.945 | 17.702 | 13.1 | 172.5 | 0.978D | 34.426A | 2.36 | 0.100 | 152.8 | 70.2 | 28.0 | 0.164 |
| | | 8.62 | 4.99 | 13.61 | ONE | 30.887 | 312.7 | -22.0 | 56.4 | | | | | | | | | | |
| 46500.0 | 54110.0 | 0.447 | 221.1 | -17.4 | -0.45 | 1.399 | 78.7 | 0.946 | 17.677 | 23.2 | 172.6 | 0.954D | 34.400A | 2.14 | 0.100 | 153.0 | 70.0 | 27.9 | 0.165 |
| | | 9.50 | 5.00 | 14.50 | ONE | 30.887 | 312.7 | -22.0 | 56.5 | | | | | | | | | | |
| 46510.0 | 54110.0 | 0.504 | 218.6 | -16.1 | -0.35 | 1.397 | 73.8 | 0.948 | 17.635 | 33.3 | 172.8 | 0.916D | 34.354A | 2.02 | 0.099 | 153.4 | 69.7 | 27.8 | 0.165 |
| | | 10.82 | 5.00 | 15.82 | ONE | 30.887 | 312.7 | -22.0 | 56.8 | | | | | | | | | | |
| 46520.0 | 54110.0 | 0.572 | 218.1 | -15.7 | -0.29 | 1.395 | 68.8 | 0.951 | 17.577 | 43.5 | 173.1 | 0.865D | 34.290A | 1.95 | 0.098 | 153.9 | 69.3 | 27.7 | 0.166 |
| | | 12.50 | 5.01 | 17.51 | ONE | 30.887 | 312.7 | -22.0 | 57.1 | | | | | | | | | | |
| 46530.0 | 54110.0 | 0.648 | 219.3 | -15.9 | -0.26 | 1.393 | 63.8 | 0.954 | 17.507 | 53.7 | 173.4 | 0.802D | 34.212A | 1.89 | 0.097 | 154.6 | 68.8 | 27.6 | 0.167 |
| | | 14.44 | 5.02 | 19.46 | ONE | 30.887 | 312.7 | -22.0 | 57.6 | | | | | | | | | | |
| ARRIVAL DATE = 2454310.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 54310.0 | 0.617 | 250.5 | -21.4 | 0.40 | 1.406 | 113.2 | 0.952 | 17.110 | 312.4 | 533.9 | 0.827 | 33.393A | 1.46 | 0.090 | 152.1 | 67.6 | 27.3 | 0.162 |
| | | 13.63 | 4.97 | 18.61 | TWO | 29.053 | 313.9 | -21.6 | 59.9 | | | | | | | | | | |
| 46440.0 | 54310.0 | 0.546 | 251.8 | -21.1 | 0.51 | 1.406 | 108.3 | 0.949 | 17.184 | 322.3 | 533.6 | 0.883 | 33.484A | 1.32 | 0.092 | 151.5 | 68.2 | 27.4 | 0.161 |
| | | 11.85 | 4.97 | 16.82 | TWO | 29.053 | 313.9 | -21.6 | 59.4 | | | | | | | | | | |
| 46450.0 | 54310.0 | 0.483 | 251.1 | -20.2 | 0.73 | 1.405 | 103.5 | 0.946 | 17.244 | 332.3 | 533.4 | 0.929 | 33.560A | 1.07 | 0.093 | 151.1 | 68.6 | 27.4 | 0.161 |
| | | 10.33 | 4.96 | 15.29 | TWO | 29.053 | 313.9 | -21.6 | 59.0 | | | | | | | | | | |
| 46460.0 | 54310.0 | 0.433 | 248.3 | -17.4 | 1.39 | 1.404 | 98.6 | 0.944 | 17.290 | 342.2 | 533.2 | 0.962 | 33.618A | 0.39 | 0.094 | 150.9 | 69.0 | 27.3 | 0.160 |
| | | 9.18 | 4.96 | 14.14 | TWO | 29.053 | 313.9 | -21.6 | 58.7 | | | | | | | | | | |
| 46470.0 | 54310.0 | 0.549 | 254.0 | 30.5 | 18.17 | 1.403 | 93.8 | 0.943 | 17.319 | 352.2 | 533.1 | 0.982 | 33.656A | -16.41 | 0.094 | 150.7 | 69.7 | 22.6 | 0.162 |
| | | 11.93 | 4.98 | 16.91 | TWO | 29.053 | 313.9 | -21.6 | 59.0 | | | | | | | | | | |
| 46480.0 | 54310.0 | 0.392 | 233.1 | -25.1 | -1.63 | 1.402 | 88.9 | 0.943 | 17.331 | 2.4 | 173.1 | 0.988D | 33.673A | 3.36 | 0.094 | 150.7 | 69.1 | 28.2 | 0.160 |
| | | 8.26 | 4.96 | 13.22 | ONE | 29.053 | 313.9 | -21.6 | 58.4 | | | | | | | | | | |
| 46490.0 | 54310.0 | 0.406 | 226.8 | -20.4 | -0.79 | 1.400 | 84.0 | 0.943 | 17.325 | 12.5 | 173.1 | 0.979D | 33.671A | 2.50 | 0.094 | 150.8 | 69.1 | 27.9 | 0.160 |
| | | 8.57 | 4.96 | 13.53 | ONE | 29.053 | 313.9 | -21.6 | 58.5 | | | | | | | | | | |
| 46500.0 | 54310.0 | 0.444 | 221.9 | -17.9 | -0.54 | 1.399 | 79.0 | 0.945 | 17.303 | 22.6 | 173.2 | 0.956D | 33.650A | 2.22 | 0.094 | 151.1 | 69.0 | 27.8 | 0.161 |
| | | 9.42 | 4.96 | 14.38 | ONE | 29.053 | 313.9 | -21.6 | 58.6 | | | | | | | | | | |

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| DEPART | ARRIVE | SPEED | R A | DECL | I 1 | V 1 | PSI 1 | ECCEN | SMA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DV1 | DV2 | DVT | LEG | CDIST | RAS | DECLS | LAMDA | | | | | | | | | | |
| 46510.0 | 54310.0 | 0.499 | 219.3 | -16.5 | -0.42 | 1.396 | 74.1 | 0.947 | 17.265 | 32.7 | 173.4 | 0.919D | 33.611A | 2.08 | 0.093 | 151.4 | 68.7 | 27.7 | 0.161 |
| | | 10.71 | 4.97 | 15.68 | ONE | 29.053 | 313.9 | -21.6 | 58.9 | | | | | | | | | | |
| 46520.0 | 54310.0 | 0.567 | 218.7 | -16.0 | -0.35 | 1.394 | 69.2 | 0.950 | 17.213 | 42.8 | 173.6 | 0.869D | 33.556A | 1.98 | 0.092 | 152.0 | 68.3 | 27.6 | 0.162 |
| | | 12.36 | 4.97 | 17.34 | ONE | 29.053 | 313.9 | -21.6 | 59.2 | | | | | | | | | | |
| 46530.0 | 54310.0 | 0.642 | 219.8 | -16.1 | -0.31 | 1.392 | 64.2 | 0.953 | 17.149 | 53.0 | 173.9 | 0.807D | 33.490A | 1.91 | 0.091 | 152.7 | 67.8 | 27.5 | 0.163 |
| | | 14.29 | 4.98 | 19.27 | ONE | 29.053 | 313.9 | -21.6 | 59.7 | | | | | | | | | | |
| ARRIVAL DATE = 2454510.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 54510.0 | 0.622 | 251.1 | -21.4 | 0.44 | 1.405 | 113.5 | 0.951 | 16.806 | 311.7 | 534.4 | 0.823 | 32.790A | 1.42 | 0.084 | 150.0 | 66.6 | 27.2 | 0.159 |
| | | 13.75 | 4.94 | 18.70 | TWO | 31.011 | 315.1 | -21.2 | 62.0 | | | | | | | | | | |
| 46440.0 | 54510.0 | 0.550 | 252.5 | -21.1 | 0.56 | 1.405 | 108.6 | 0.948 | 16.875 | 321.6 | 534.1 | 0.880 | 32.869A | 1.28 | 0.086 | 149.4 | 67.1 | 27.2 | 0.158 |
| | | 11.95 | 4.94 | 16.89 | TWO | 31.011 | 315.1 | -21.2 | 61.5 | | | | | | | | | | |
| 46450.0 | 54510.0 | 0.487 | 251.9 | -20.2 | 0.79 | 1.405 | 103.8 | 0.945 | 16.931 | 331.6 | 533.9 | 0.926 | 32.935A | 1.02 | 0.087 | 149.0 | 67.6 | 27.2 | 0.157 |
| | | 10.41 | 4.93 | 15.34 | TWO | 31.011 | 315.1 | -21.2 | 61.1 | | | | | | | | | | |
| 46460.0 | 54510.0 | 0.436 | 249.2 | -17.5 | 1.43 | 1.404 | 98.9 | 0.943 | 16.973 | 341.6 | 533.8 | 0.961 | 32.986A | 0.35 | 0.088 | 148.8 | 68.0 | 27.1 | 0.157 |
| | | 9.24 | 4.93 | 14.16 | TWO | 31.011 | 315.1 | -21.2 | 60.8 | | | | | | | | | | |
| 46470.0 | 54510.0 | 0.439 | 248.4 | 6.6 | 8.53 | 1.403 | 94.1 | 0.942 | 17.000 | 351.6 | 533.7 | 0.981 | 33.020A | -6.78 | 0.088 | 148.6 | 68.5 | 25.1 | 0.157 |
| | | 9.30 | 4.93 | 14.22 | TWO | 31.011 | 315.1 | -21.2 | 60.7 | | | | | | | | | | |
| 46480.0 | 54510.0 | 0.393 | 233.8 | -27.1 | -2.13 | 1.402 | 89.2 | 0.942 | 17.012 | 1.7 | 173.6 | 0.988D | 33.036A | 3.85 | 0.088 | 148.6 | 68.0 | 28.2 | 0.157 |
| | | 8.27 | 4.92 | 13.20 | ONE | 31.011 | 315.1 | -21.2 | 60.6 | | | | | | | | | | |
| 46490.0 | 54510.0 | 0.404 | 227.7 | -21.2 | -0.96 | 1.400 | 84.3 | 0.942 | 17.008 | 11.8 | 173.7 | 0.980D | 33.035A | 2.66 | 0.088 | 148.7 | 68.1 | 27.8 | 0.157 |
| | | 8.53 | 4.93 | 13.46 | ONE | 31.011 | 315.1 | -21.2 | 60.6 | | | | | | | | | | |
| 46500.0 | 54510.0 | 0.441 | 222.7 | -18.5 | -0.64 | 1.398 | 79.4 | 0.944 | 16.988 | 21.9 | 173.7 | 0.958D | 33.017A | 2.31 | 0.088 | 148.9 | 68.0 | 27.7 | 0.157 |
| | | 9.34 | 4.93 | 14.27 | ONE | 31.011 | 315.1 | -21.2 | 60.7 | | | | | | | | | | |
| 46510.0 | 54510.0 | 0.495 | 220.0 | -17.0 | -0.49 | 1.396 | 74.4 | 0.946 | 16.953 | 32.0 | 173.9 | 0.922D | 32.984A | 2.13 | 0.087 | 149.3 | 67.7 | 27.6 | 0.158 |
| | | 10.61 | 4.93 | 15.54 | ONE | 31.011 | 315.1 | -21.2 | 61.0 | | | | | | | | | | |
| 46520.0 | 54510.0 | 0.561 | 219.3 | -16.3 | -0.40 | 1.394 | 69.5 | 0.948 | 16.906 | 42.2 | 174.1 | 0.873D | 32.938A | 2.02 | 0.086 | 149.8 | 67.3 | 27.5 | 0.159 |
| | | 12.23 | 4.94 | 17.17 | ONE | 31.011 | 315.1 | -21.2 | 61.3 | | | | | | | | | | |
| 46530.0 | 54510.0 | 0.636 | 220.3 | -16.4 | -0.35 | 1.392 | 64.6 | 0.952 | 16.847 | 52.3 | 174.4 | 0.812D | 32.881A | 1.94 | 0.085 | 150.5 | 66.9 | 27.3 | 0.160 |
| | | 14.13 | 4.95 | 19.08 | ONE | 31.011 | 315.1 | -21.2 | 61.7 | | | | | | | | | | |
| ARRIVAL DATE = 2454710.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 54710.0 | 0.627 | 251.8 | -21.4 | 0.49 | 1.405 | 113.8 | 0.951 | 16.549 | 311.0 | 534.9 | 0.819 | 32.280A | 1.39 | 0.079 | 147.7 | 65.5 | 27.0 | 0.156 |
| | | 13.88 | 4.92 | 18.80 | TWO | 29.048 | 316.3 | -20.8 | 64.2 | | | | | | | | | | |
| 46440.0 | 54710.0 | 0.555 | 253.2 | -21.1 | 0.61 | 1.405 | 109.0 | 0.947 | 16.613 | 321.0 | 534.7 | 0.877 | 32.349A | 1.24 | 0.080 | 147.1 | 66.1 | 27.0 | 0.155 |
| | | 12.06 | 4.91 | 16.97 | TWO | 29.048 | 316.3 | -20.8 | 63.7 | | | | | | | | | | |
| 46450.0 | 54710.0 | 0.490 | 252.8 | -20.1 | 0.84 | 1.405 | 104.1 | 0.945 | 16.665 | 330.9 | 534.5 | 0.924 | 32.407A | 0.97 | 0.081 | 146.7 | 66.6 | 27.1 | 0.155 |
| | | 10.50 | 4.90 | 15.41 | TWO | 29.048 | 316.3 | -20.8 | 63.2 | | | | | | | | | | |
| 46460.0 | 54710.0 | 0.439 | 250.2 | -17.6 | 1.46 | 1.404 | 99.2 | 0.943 | 16.705 | 341.0 | 534.3 | 0.959 | 32.451A | 0.32 | 0.082 | 146.4 | 66.9 | 26.9 | 0.154 |
| | | 9.30 | 4.90 | 14.20 | TWO | 29.048 | 316.3 | -20.8 | 62.9 | | | | | | | | | | |
| 46470.0 | 54710.0 | 0.421 | 247.9 | -1.3 | 6.01 | 1.403 | 94.4 | 0.941 | 16.731 | 351.0 | 534.2 | 0.981 | 32.481A | -4.26 | 0.083 | 146.3 | 67.4 | 25.6 | 0.154 |
| | | 8.91 | 4.90 | 13.81 | TWO | 29.048 | 316.3 | -20.8 | 62.8 | | | | | | | | | | |
| 46480.0 | 54710.0 | 0.394 | 234.4 | -29.7 | -2.80 | 1.401 | 89.5 | 0.941 | 16.742 | 1.1 | 174.2 | 0.988D | 32.496A | 4.52 | 0.083 | 146.2 | 67.0 | 28.2 | 0.154 |
| | | 8.31 | 4.90 | 13.20 | ONE | 29.048 | 316.3 | -20.8 | 62.7 | | | | | | | | | | |
| 46490.0 | 54710.0 | 0.403 | 228.7 | -22.2 | -1.15 | 1.400 | 84.6 | 0.941 | 16.739 | 11.2 | 174.2 | 0.982D | 32.496A | 2.84 | 0.083 | 146.3 | 67.1 | 27.7 | 0.154 |
| | | 8.49 | 4.90 | 13.39 | ONE | 29.048 | 316.3 | -20.8 | 62.7 | | | | | | | | | | |
| 46500.0 | 54710.0 | 0.437 | 223.6 | -19.1 | -0.74 | 1.398 | 79.7 | 0.943 | 16.721 | 21.3 | 174.3 | 0.960D | 32.481A | 2.40 | 0.083 | 146.6 | 67.0 | 27.6 | 0.154 |
| | | 9.27 | 4.90 | 14.17 | ONE | 29.048 | 316.3 | -20.8 | 62.8 | | | | | | | | | | |
| 46510.0 | 54710.0 | 0.490 | 220.7 | -17.4 | -0.56 | 1.396 | 74.8 | 0.945 | 16.690 | 31.4 | 174.4 | 0.925D | 32.454A | 2.19 | 0.082 | 146.9 | 66.7 | 27.4 | 0.155 |
| | | 10.50 | 4.91 | 15.41 | ONE | 29.048 | 316.3 | -20.8 | 63.0 | | | | | | | | | | |
| 46520.0 | 54710.0 | 0.556 | 219.9 | -16.7 | -0.46 | 1.394 | 69.9 | 0.947 | 16.646 | 41.5 | 174.6 | 0.877D | 32.415A | 2.06 | 0.081 | 147.5 | 66.4 | 27.3 | 0.156 |
| | | 12.10 | 4.91 | 17.01 | ONE | 29.048 | 316.3 | -20.8 | 63.4 | | | | | | | | | | |
| 46530.0 | 54710.0 | 0.630 | 220.9 | -16.7 | -0.40 | 1.392 | 64.9 | 0.951 | 16.592 | 51.5 | 174.8 | 0.817D | 32.366A | 1.96 | 0.080 | 148.2 | 65.9 | 27.2 | 0.157 |
| | | 13.98 | 4.92 | 18.90 | ONE | 29.048 | 316.3 | -20.8 | 63.8 | | | | | | | | | | |
| ARRIVAL DATE = 2454910.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 54910.0 | 0.632 | 252.4 | -21.4 | 0.53 | 1.405 | 114.2 | 0.950 | 16.331 | 310.3 | 535.4 | 0.814 | 31.848A | 1.36 | 0.074 | 145.2 | 64.6 | 26.8 | 0.154 |
| | | 14.02 | 4.90 | 18.91 | TWO | 30.837 | 317.5 | -20.4 | 66.3 | | | | | | | | | | |
| 46440.0 | 54910.0 | 0.559 | 254.0 | -21.1 | 0.65 | 1.405 | 109.3 | 0.947 | 16.391 | 320.3 | 535.2 | 0.873 | 31.909A | 1.20 | 0.075 | 144.6 | 65.1 | 26.9 | 0.153 |
| | | 12.18 | 4.89 | 17.07 | TWO | 30.837 | 317.5 | -20.4 | 65.8 | | | | | | | | | | |
| 46450.0 | 54910.0 | 0.494 | 253.7 | -20.1 | 0.89 | 1.404 | 104.4 | 0.944 | 16.440 | 330.3 | 535.0 | 0.921 | 31.959A | 0.92 | 0.076 | 144.2 | 65.6 | 26.9 | 0.152 |
| | | 10.60 | 4.88 | 15.48 | TWO | 30.837 | 317.5 | -20.4 | 65.4 | | | | | | | | | | |
| 46460.0 | 54910.0 | 0.442 | 251.3 | -17.6 | 1.49 | 1.403 | 99.6 | 0.942 | 16.478 | 340.3 | 534.8 | 0.957 | 31.998A | 0.30 | 0.077 | 143.9 | 66.0 | 26.7 | 0.151 |
| | | 9.36 | 4.87 | 14.24 | TWO | 30.837 | 317.5 | -20.4 | 65.0 | | | | | | | | | | |
| 46470.0 | 54910.0 | 0.416 | 248.2 | -5.2 | 4.85 | 1.402 | 94.7 | 0.941 | 16.502 | 350.3 | 534.7 | 0.980 | 32.025A | -3.10 | 0.078 | 143.8 | 66.4 | 25.8 | 0.151 |
| | | 8.80 | 4.87 | 13.67 | TWO | 30.837 | 317.5 | -20.4 | 64.9 | | | | | | | | | | |

1986
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED / DV1 | R A / DV2 | DECL / DVT | I 1 / LEG | V 1 / CDIST | PSI 1 / RAS | ECCEN / DECLS | SMA / LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46480.0 | 54910.0 | 0.397 | 234.8 | -33.2 | -3.74 | 1.401 | 89.8 | 0.940 | 16.513 | 0.4 | 174.7 | 0.988D | 32.038A | 5.46 | 0.078 | 143.7 | 65.9 | 28.3 | 0.151 |
| | | 8.38 | 4.87 | 13.25 | ONE | 30.837 | 317.5 | -20.4 | 64.8 | | | | | | | | | | |
| 46490.0 | 54910.0 | 0.401 | 229.6 | -23.2 | -1.37 | 1.399 | 84.9 | 0.940 | 16.511 | 10.5 | 174.7 | 0.983D | 32.039A | 3.05 | 0.078 | 143.8 | 66.1 | 27.6 | 0.151 |
| | | 8.46 | 4.87 | 13.33 | ONE | 30.837 | 317.5 | -20.4 | 64.8 | | | | | | | | | | |
| 46500.0 | 54910.0 | 0.434 | 224.5 | -19.7 | -0.86 | 1.397 | 80.0 | 0.942 | 16.495 | 20.6 | 174.8 | 0.963D | 32.027A | 2.51 | 0.078 | 144.0 | 66.0 | 27.4 | 0.151 |
| | | 9.19 | 4.88 | 14.07 | ONE | 30.837 | 317.5 | -20.4 | 64.9 | | | | | | | | | | |
| 46510.0 | 54910.0 | 0.486 | 221.5 | -17.9 | -0.64 | 1.395 | 75.1 | 0.944 | 16.466 | 30.7 | 174.9 | 0.928D | 32.004A | 2.25 | 0.077 | 144.4 | 65.8 | 27.3 | 0.152 |
| | | 10.39 | 4.88 | 15.27 | ONE | 30.837 | 317.5 | -20.4 | 65.1 | | | | | | | | | | |
| 46520.0 | 54910.0 | 0.551 | 220.6 | -17.1 | -0.52 | 1.393 | 70.2 | 0.946 | 16.426 | 40.7 | 175.1 | 0.881D | 31.971A | 2.10 | 0.076 | 144.9 | 65.4 | 27.2 | 0.153 |
| | | 11.96 | 4.89 | 16.85 | ONE | 30.837 | 317.5 | -20.4 | 65.4 | | | | | | | | | | |
| 46530.0 | 54910.0 | 0.624 | 221.5 | -17.0 | -0.45 | 1.391 | 65.3 | 0.950 | 16.376 | 50.8 | 175.3 | 0.822D | 31.930A | 1.99 | 0.075 | 145.6 | 65.0 | 27.0 | 0.154 |
| | | 13.82 | 4.90 | 18.72 | ONE | 30.837 | 317.5 | -20.4 | 65.8 | | | | | | | | | | |
| ARRIVAL DATE = 2455110.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 55110.0 | 0.637 | 253.1 | -21.4 | 0.57 | 1.404 | 114.5 | 0.950 | 16.146 | 309.6 | 535.9 | 0.810 | 31.483A | 1.33 | 0.069 | 142.4 | 63.6 | 26.6 | 0.152 |
| | | 14.16 | 4.88 | 19.04 | TWO | 29.336 | 318.7 | -19.9 | 68.3 | | | | | | | | | | |
| 46440.0 | 55110.0 | 0.564 | 254.7 | -21.1 | 0.69 | 1.404 | 109.6 | 0.946 | 16.202 | 319.6 | 535.6 | 0.869 | 31.535A | 1.16 | 0.070 | 141.9 | 64.1 | 26.7 | 0.150 |
| | | 12.30 | 4.87 | 17.17 | TWO | 29.336 | 318.7 | -19.9 | 67.8 | | | | | | | | | | |
| 46450.0 | 55110.0 | 0.498 | 254.6 | -20.1 | 0.94 | 1.404 | 104.8 | 0.943 | 16.249 | 329.6 | 535.5 | 0.918 | 31.579A | 0.88 | 0.071 | 141.5 | 64.6 | 26.7 | 0.150 |
| | | 10.70 | 4.86 | 15.56 | TWO | 29.336 | 318.7 | -19.9 | 67.4 | | | | | | | | | | |
| 46460.0 | 55110.0 | 0.445 | 252.3 | -17.7 | 1.51 | 1.403 | 99.9 | 0.941 | 16.284 | 339.6 | 535.3 | 0.955 | 31.614A | 0.27 | 0.072 | 141.2 | 65.0 | 26.6 | 0.149 |
| | | 9.44 | 4.85 | 14.29 | TWO | 29.336 | 318.7 | -19.9 | 67.1 | | | | | | | | | | |
| 46470.0 | 55110.0 | 0.415 | 248.9 | -7.6 | 4.19 | 1.402 | 95.0 | 0.940 | 16.308 | 349.6 | 535.2 | 0.979 | 31.637A | -2.44 | 0.073 | 141.0 | 65.4 | 25.8 | 0.149 |
| | | 8.76 | 4.85 | 13.62 | TWO | 29.336 | 318.7 | -19.9 | 66.9 | | | | | | | | | | |
| 46480.0 | 55110.0 | 0.404 | 234.8 | -38.3 | -5.19 | 1.401 | 90.1 | 0.939 | 16.319 | 359.7 | 535.2 | 0.988 | 31.650A | 6.90 | 0.073 | 141.0 | 64.8 | 28.6 | 0.149 |
| | | 8.53 | 4.85 | 13.38 | ONE | 29.336 | 318.7 | -19.9 | 66.9 | | | | | | | | | | |
| 46490.0 | 55110.0 | 0.410 | 230.6 | -24.4 | -1.63 | 1.399 | 85.3 | 0.940 | 16.317 | 9.8 | 175.2 | 0.984D | 31.651A | 3.30 | 0.073 | 141.1 | 65.1 | 27.5 | 0.149 |
| | | 8.43 | 4.85 | 13.28 | ONE | 29.336 | 318.7 | -19.9 | 66.8 | | | | | | | | | | |
| 46500.0 | 55110.0 | 0.431 | 225.4 | -20.4 | -0.98 | 1.397 | 80.4 | 0.941 | 16.303 | 19.9 | 175.3 | 0.965D | 31.642A | 2.62 | 0.073 | 141.3 | 65.0 | 27.3 | 0.149 |
| | | 9.12 | 4.85 | 13.97 | ONE | 29.336 | 318.7 | -19.9 | 66.9 | | | | | | | | | | |
| 46510.0 | 55110.0 | 0.481 | 222.3 | -18.4 | -0.72 | 1.395 | 75.5 | 0.943 | 16.277 | 29.9 | 175.4 | 0.932D | 31.622A | 2.32 | 0.072 | 141.6 | 64.8 | 27.2 | 0.150 |
| | | 10.29 | 4.86 | 15.15 | ONE | 29.336 | 318.7 | -19.9 | 67.2 | | | | | | | | | | |
| 46520.0 | 55110.0 | 0.545 | 221.3 | -17.4 | -0.58 | 1.393 | 70.6 | 0.945 | 16.240 | 40.0 | 175.5 | 0.885D | 31.594A | 2.14 | 0.071 | 142.1 | 64.5 | 27.0 | 0.151 |
| | | 11.83 | 4.87 | 16.70 | ONE | 29.336 | 318.7 | -19.9 | 67.4 | | | | | | | | | | |
| 46530.0 | 55110.0 | 0.618 | 222.1 | -17.3 | -0.50 | 1.391 | 65.7 | 0.949 | 16.193 | 50.0 | 175.7 | 0.827D | 31.559A | 2.02 | 0.070 | 142.8 | 64.1 | 26.9 | 0.152 |
| | | 13.66 | 4.88 | 18.54 | ONE | 29.336 | 318.7 | -19.9 | 67.8 | | | | | | | | | | |
| ARRIVAL DATE = 2455310.0 | | | | | | | | | | | | | | | | | | | |
| 46430.0 | 55310.0 | 0.643 | 253.7 | -21.4 | 0.60 | 1.404 | 114.9 | 0.950 | 15.989 | 308.8 | 536.3 | 0.805 | 31.174A | 1.31 | 0.064 | 139.4 | 62.7 | 26.4 | 0.150 |
| | | 14.31 | 4.86 | 19.17 | TWO | 30.416 | 319.9 | -19.5 | 70.4 | | | | | | | | | | |
| 46440.0 | 55310.0 | 0.569 | 255.5 | -21.1 | 0.73 | 1.404 | 110.0 | 0.946 | 16.042 | 318.8 | 536.1 | 0.865 | 31.219A | 1.13 | 0.066 | 138.9 | 63.2 | 26.5 | 0.149 |
| | | 12.43 | 4.85 | 17.28 | TWO | 30.416 | 319.9 | -19.5 | 69.9 | | | | | | | | | | |
| 46450.0 | 55310.0 | 0.503 | 255.5 | -20.1 | 0.98 | 1.404 | 105.1 | 0.943 | 16.086 | 328.8 | 535.9 | 0.915 | 31.258A | 0.85 | 0.067 | 138.5 | 63.7 | 26.5 | 0.148 |
| | | 10.80 | 4.84 | 15.64 | TWO | 30.416 | 319.9 | -19.5 | 69.5 | | | | | | | | | | |
| 46460.0 | 55310.0 | 0.448 | 253.3 | -17.8 | 1.53 | 1.403 | 100.2 | 0.941 | 16.120 | 338.9 | 535.8 | 0.953 | 31.288A | 0.25 | 0.068 | 138.2 | 64.1 | 26.4 | 0.147 |
| | | 9.51 | 4.84 | 14.35 | TWO | 30.416 | 319.9 | -19.5 | 69.2 | | | | | | | | | | |
| 46470.0 | 55310.0 | 0.415 | 249.8 | -9.3 | 3.76 | 1.402 | 95.4 | 0.939 | 16.143 | 348.9 | 535.7 | 0.978 | 31.309A | -2.01 | 0.069 | 138.1 | 64.4 | 25.7 | 0.147 |
| | | 8.77 | 4.83 | 13.60 | TWO | 30.416 | 319.9 | -19.5 | 69.0 | | | | | | | | | | |
| 46480.0 | 55310.0 | 0.421 | 233.6 | -46.4 | -7.67 | 1.401 | 90.5 | 0.939 | 16.154 | 359.0 | 535.7 | 0.988 | 31.320A | 9.37 | 0.069 | 138.0 | 63.6 | 29.2 | 0.147 |
| | | 8.90 | 4.84 | 13.74 | ONE | 30.416 | 319.9 | -19.5 | 69.0 | | | | | | | | | | |
| 46490.0 | 55310.0 | 0.399 | 231.6 | -25.7 | -1.92 | 1.399 | 85.6 | 0.939 | 16.153 | 9.1 | 175.7 | 0.985D | 31.322A | 3.59 | 0.069 | 138.1 | 64.1 | 27.5 | 0.147 |
| | | 8.41 | 4.83 | 13.24 | ONE | 30.416 | 319.9 | -19.5 | 68.9 | | | | | | | | | | |
| 46500.0 | 55310.0 | 0.428 | 226.4 | -21.2 | -1.12 | 1.397 | 80.7 | 0.940 | 16.141 | 19.1 | 175.7 | 0.967D | 31.314A | 2.75 | 0.069 | 138.3 | 64.1 | 27.2 | 0.147 |
| | | 9.05 | 4.84 | 13.89 | ONE | 30.416 | 319.9 | -19.5 | 69.0 | | | | | | | | | | |
| 46510.0 | 55310.0 | 0.477 | 223.1 | -18.9 | -0.81 | 1.395 | 75.9 | 0.942 | 16.116 | 29.2 | 175.8 | 0.935D | 31.298A | 2.39 | 0.068 | 138.6 | 63.9 | 27.0 | 0.148 |
| | | 10.18 | 4.84 | 15.02 | ONE | 30.416 | 319.9 | -19.5 | 69.2 | | | | | | | | | | |
| 46520.0 | 55310.0 | 0.540 | 222.0 | -17.8 | -0.65 | 1.393 | 71.0 | 0.945 | 16.082 | 39.2 | 176.0 | 0.889D | 31.274A | 2.19 | 0.067 | 139.1 | 63.6 | 26.9 | 0.148 |
| | | 11.70 | 4.85 | 16.54 | ONE | 30.416 | 319.9 | -19.5 | 69.4 | | | | | | | | | | |
| 46530.0 | 55310.0 | 0.612 | 222.7 | -17.6 | -0.56 | 1.391 | 66.1 | 0.948 | 16.038 | 49.3 | 176.1 | 0.832D | 31.245A | 2.05 | 0.066 | 139.7 | 63.3 | 26.7 | 0.150 |
| | | 13.50 | 4.86 | 18.36 | ONE | 30.416 | 319.9 | -19.5 | 69.8 | | | | | | | | | | |
| ARRIVAL DATE = 2455710.0 | | | | | | | | | | | | | | | | | | | |
| 46440.0 | 55710.0 | 0.580 | 257.1 | -21.1 | 0.81 | 1.404 | 110.7 | 0.946 | 15.792 | 317.3 | 537.0 | 0.856 | 30.728A | 1.07 | 0.058 | 132.1 | 61.5 | 26.1 | 0.145 |
| | | 12.71 | 4.82 | 17.53 | TWO | 29.872 | 322.2 | -18.6 | 73.9 | | | | | | | | | | |
| 46450.0 | 55710.0 | 0.512 | 257.3 | -20.2 | 1.05 | 1.403 | 105.9 | 0.943 | 15.833 | 327.3 | 536.8 | 0.908 | 30.757A | 0.78 | 0.059 | 131.7 | 61.9 | 26.1 | 0.144 |
| | | 11.03 | 4.81 | 15.85 | TWO | 29.872 | 322.2 | -18.6 | 73.5 | | | | | | | | | | |

1986
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED DV1 | R A DV2 | DECL DVT | I 1 LEG | V 1 CDIST | PSI 1 RAS | ECCEN DECLS | SMA LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46460.0 | 55710.0 | 0.455 | 255.5 | -18.0 | 1.56 | 1.403 | 101.0 | 0.940 | 15.864 | 337.3 | 536.7 | 0.948 | 30.780A | 0.22 | 0.060 | 131.5 | 62.3 | 26.0 | 0.144 |
| | | 9.68 | 4.81 | 14.49 | TWO | 29.872 | 322.2 | -18.6 | 73.2 | | | | | | | | | | |
| 46470.0 | 55710.0 | 0.417 | 251.9 | -11.5 | 3.23 | 1.402 | 96.1 | 0.939 | 15.886 | 347.4 | 536.6 | 0.975 | 30.796A | -1.49 | 0.061 | 131.4 | 62.7 | 25.5 | 0.143 |
| | | 8.82 | 4.80 | 13.62 | TWO | 29.872 | 322.2 | -18.6 | 73.0 | | | | | | | | | | |
| 46490.0 | 55710.0 | 0.398 | 233.5 | -29.1 | -2.71 | 1.399 | 86.3 | 0.938 | 15.897 | 7.5 | 176.6 | 0.987D | 30.808A | 4.36 | 0.061 | 131.4 | 62.3 | 27.4 | 0.143 |
| | | 8.39 | 4.80 | 13.19 | ONE | 29.872 | 322.2 | -18.6 | 72.9 | | | | | | | | | | |
| 46500.0 | 55710.0 | 0.422 | 228.4 | -22.9 | -1.44 | 1.397 | 81.5 | 0.939 | 15.887 | 17.6 | 176.6 | 0.971D | 30.803A | 3.04 | 0.061 | 131.6 | 62.4 | 27.0 | 0.143 |
| | | 8.92 | 4.81 | 13.72 | ONE | 29.872 | 322.2 | -18.6 | 72.9 | | | | | | | | | | |
| 46510.0 | 55710.0 | 0.468 | 224.9 | -20.1 | -1.00 | 1.395 | 76.6 | 0.941 | 15.867 | 27.6 | 176.7 | 0.941D | 30.792A | 2.56 | 0.060 | 131.8 | 62.2 | 26.8 | 0.144 |
| | | 9.97 | 4.81 | 14.78 | ONE | 29.872 | 322.2 | -18.6 | 73.1 | | | | | | | | | | |
| 46520.0 | 55710.0 | 0.529 | 223.5 | -18.7 | -0.79 | 1.393 | 71.7 | 0.943 | 15.837 | 37.7 | 176.8 | 0.898D | 30.776A | 2.29 | 0.059 | 132.2 | 62.0 | 26.6 | 0.145 |
| | | 11.43 | 4.82 | 16.25 | ONE | 29.872 | 322.2 | -18.6 | 73.4 | | | | | | | | | | |
| 46530.0 | 55710.0 | 0.599 | 224.0 | -18.3 | -0.67 | 1.390 | 66.9 | 0.947 | 15.799 | 47.6 | 176.9 | 0.843D | 30.754A | 2.12 | 0.058 | 132.8 | 61.6 | 26.5 | 0.146 |
| | | 13.19 | 4.83 | 18.01 | ONE | 29.872 | 322.2 | -18.6 | 73.7 | | | | | | | | | | |
| ARRIVAL DATE = 2456110.0 | | | | | | | | | | | | | | | | | | | |
| 46440.0 | 56110.0 | 0.592 | 258.6 | -21.1 | 0.88 | 1.403 | 111.5 | 0.946 | 15.617 | 315.6 | 537.7 | 0.847 | 30.387A | 1.02 | 0.052 | 124.1 | 59.9 | 25.8 | 0.143 |
| | | 13.01 | 4.80 | 17.81 | TWO | 29.359 | 324.6 | -17.7 | 77.7 | | | | | | | | | | |
| 46450.0 | 56110.0 | 0.523 | 259.2 | -20.2 | 1.11 | 1.403 | 106.6 | 0.942 | 15.654 | 325.7 | 537.6 | 0.901 | 30.407A | 0.73 | 0.053 | 123.9 | 60.4 | 25.8 | 0.142 |
| | | 11.28 | 4.79 | 16.08 | TWO | 29.359 | 324.6 | -17.7 | 77.4 | | | | | | | | | | |
| 46460.0 | 56110.0 | 0.464 | 257.7 | -18.2 | 1.59 | 1.402 | 101.7 | 0.940 | 15.684 | 335.8 | 537.5 | 0.943 | 30.424A | 0.20 | 0.054 | 123.8 | 60.7 | 25.7 | 0.141 |
| | | 9.87 | 4.79 | 14.66 | TWO | 29.359 | 324.6 | -17.7 | 77.1 | | | | | | | | | | |
| 46470.0 | 56110.0 | 0.422 | 254.2 | -12.9 | 2.92 | 1.401 | 96.9 | 0.938 | 15.704 | 345.8 | 537.4 | 0.972 | 30.436A | -1.19 | 0.055 | 123.7 | 61.1 | 25.3 | 0.141 |
| | | 8.92 | 4.78 | 13.70 | TWO | 29.359 | 324.6 | -17.7 | 76.8 | | | | | | | | | | |
| 46480.0 | 56110.0 | 0.592 | 258.3 | 37.2 | 21.47 | 1.400 | 92.0 | 0.937 | 15.715 | 355.8 | 537.4 | 0.987 | 30.444A | -19.79 | 0.055 | 123.7 | 62.4 | 19.6 | 0.144 |
| | | 13.00 | 4.81 | 17.81 | TWO | 29.359 | 324.6 | -17.7 | 77.1 | | | | | | | | | | |
| 46490.0 | 56110.0 | 0.400 | 235.3 | -33.9 | -3.94 | 1.398 | 87.1 | 0.937 | 15.717 | 6.0 | 177.4 | 0.988D | 30.446A | 5.57 | 0.055 | 123.7 | 60.6 | 27.5 | 0.141 |
| | | 8.43 | 4.78 | 13.21 | ONE | 29.359 | 324.6 | -17.7 | 76.7 | | | | | | | | | | |
| 46500.0 | 56110.0 | 0.416 | 230.6 | -24.9 | -1.84 | 1.396 | 82.3 | 0.938 | 15.709 | 16.0 | 177.4 | 0.975D | 30.443A | 3.42 | 0.055 | 123.9 | 60.8 | 26.8 | 0.141 |
| | | 8.80 | 4.78 | 13.58 | ONE | 29.359 | 324.6 | -17.7 | 76.8 | | | | | | | | | | |
| 46510.0 | 56110.0 | 0.459 | 226.8 | -21.3 | -1.23 | 1.394 | 77.4 | 0.940 | 15.692 | 26.0 | 177.5 | 0.947D | 30.436A | 2.75 | 0.055 | 124.1 | 60.7 | 26.5 | 0.141 |
| | | 9.77 | 4.79 | 14.56 | ONE | 29.359 | 324.6 | -17.7 | 76.9 | | | | | | | | | | |
| 46520.0 | 56110.0 | 0.518 | 225.2 | -19.6 | -0.94 | 1.392 | 72.5 | 0.942 | 15.666 | 36.0 | 177.6 | 0.906D | 30.425A | 2.41 | 0.054 | 124.3 | 60.5 | 26.3 | 0.142 |
| | | 11.16 | 4.79 | 15.96 | ONE | 29.359 | 324.6 | -17.7 | 77.1 | | | | | | | | | | |
| 46530.0 | 56110.0 | 0.587 | 225.4 | -19.0 | -0.79 | 1.390 | 67.7 | 0.945 | 15.632 | 46.0 | 177.7 | 0.853D | 30.411A | 2.20 | 0.052 | 124.7 | 60.2 | 26.2 | 0.143 |
| | | 12.87 | 4.80 | 17.67 | ONE | 29.359 | 324.6 | -17.7 | 77.4 | | | | | | | | | | |
| ARRIVAL DATE = 2456510.0 | | | | | | | | | | | | | | | | | | | |
| 46440.0 | 56510.0 | 0.605 | 260.2 | -21.1 | 0.94 | 1.403 | 112.3 | 0.946 | 15.498 | 314.0 | 538.5 | 0.837 | 30.160A | 0.98 | 0.047 | 114.9 | 58.6 | 25.4 | 0.142 |
| | | 13.33 | 4.79 | 18.12 | TWO | 29.025 | 326.9 | -16.7 | 81.4 | | | | | | | | | | |
| 46450.0 | 56510.0 | 0.534 | 261.1 | -20.3 | 1.17 | 1.403 | 107.4 | 0.943 | 15.533 | 324.0 | 538.4 | 0.893 | 30.174A | 0.68 | 0.048 | 115.0 | 59.0 | 25.5 | 0.141 |
| | | 11.56 | 4.78 | 16.34 | TWO | 29.025 | 326.9 | -16.7 | 81.0 | | | | | | | | | | |
| 46460.0 | 56510.0 | 0.473 | 259.9 | -18.5 | 1.61 | 1.402 | 102.5 | 0.940 | 15.561 | 334.1 | 538.3 | 0.937 | 30.185A | 0.18 | 0.050 | 115.0 | 59.4 | 25.4 | 0.140 |
| | | 10.09 | 4.77 | 14.86 | TWO | 29.025 | 326.9 | -16.7 | 80.7 | | | | | | | | | | |
| 46470.0 | 56510.0 | 0.427 | 256.6 | -14.0 | 2.71 | 1.401 | 97.7 | 0.938 | 15.581 | 344.2 | 538.2 | 0.968 | 30.193A | -0.99 | 0.050 | 115.1 | 59.7 | 25.1 | 0.139 |
| | | 9.04 | 4.77 | 13.81 | TWO | 29.025 | 326.9 | -16.7 | 80.5 | | | | | | | | | | |
| 46480.0 | 56510.0 | 0.442 | 254.2 | 9.3 | 9.58 | 1.400 | 92.8 | 0.937 | 15.592 | 354.2 | 538.2 | 0.986 | 30.199A | -7.91 | 0.051 | 115.1 | 60.4 | 22.9 | 0.139 |
| | | 9.37 | 4.77 | 14.14 | TWO | 29.025 | 326.9 | -16.7 | 80.4 | | | | | | | | | | |
| 46490.0 | 56510.0 | 0.410 | 236.4 | -41.7 | -6.10 | 1.398 | 87.9 | 0.937 | 15.595 | 4.4 | 178.2 | 0.989D | 30.201A | 7.71 | 0.051 | 115.2 | 59.0 | 27.9 | 0.139 |
| | | 8.65 | 4.77 | 13.42 | ONE | 29.025 | 326.9 | -16.7 | 80.4 | | | | | | | | | | |
| 46500.0 | 56510.0 | 0.412 | 232.8 | -27.3 | -2.36 | 1.396 | 83.0 | 0.937 | 15.589 | 14.4 | 178.2 | 0.978D | 30.200A | 3.91 | 0.051 | 115.3 | 59.4 | 26.6 | 0.139 |
| | | 8.70 | 4.77 | 13.47 | ONE | 29.025 | 326.9 | -16.7 | 80.4 | | | | | | | | | | |
| 46510.0 | 56510.0 | 0.451 | 228.9 | -22.8 | -1.49 | 1.394 | 78.2 | 0.939 | 15.574 | 24.4 | 178.2 | 0.953D | 30.195A | 2.99 | 0.050 | 115.4 | 59.3 | 26.3 | 0.140 |
| | | 9.58 | 4.77 | 14.35 | ONE | 29.025 | 326.9 | -16.7 | 80.5 | | | | | | | | | | |
| 46520.0 | 56510.0 | 0.507 | 226.9 | -20.6 | -1.12 | 1.392 | 73.4 | 0.941 | 15.551 | 34.3 | 178.3 | 0.914D | 30.188A | 2.55 | 0.049 | 115.5 | 59.2 | 26.1 | 0.140 |
| | | 10.90 | 4.78 | 15.68 | ONE | 29.025 | 326.9 | -16.7 | 80.7 | | | | | | | | | | |
| 46530.0 | 56510.0 | 0.574 | 226.9 | -19.7 | -0.92 | 1.390 | 68.5 | 0.944 | 15.521 | 44.3 | 178.4 | 0.864D | 30.179A | 2.28 | 0.048 | 115.7 | 59.0 | 25.9 | 0.141 |
| | | 12.55 | 4.79 | 17.34 | ONE | 29.025 | 326.9 | -16.7 | 81.0 | | | | | | | | | | |
| 46540.0 | 56510.0 | 0.649 | 228.5 | -19.6 | -0.80 | 1.388 | 63.7 | 0.948 | 15.485 | 54.2 | 178.5 | 0.802D | 30.168A | 2.10 | 0.046 | 115.9 | 58.7 | 25.8 | 0.143 |
| | | 14.45 | 4.80 | 19.25 | ONE | 29.025 | 326.9 | -16.7 | 81.3 | | | | | | | | | | |
| ARRIVAL DATE = 2456910.0 | | | | | | | | | | | | | | | | | | | |
| 46440.0 | 56910.0 | 0.618 | 261.9 | -21.2 | 0.99 | 1.403 | 113.2 | 0.946 | 15.425 | 312.2 | 539.1 | 0.827 | 30.023A | 0.94 | 0.044 | 104.9 | 57.5 | 25.2 | 0.141 |
| | | 13.67 | 4.79 | 18.46 | TWO | 28.973 | 329.2 | -15.7 | 84.8 | | | | | | | | | | |
| 46450.0 | 56910.0 | 0.546 | 263.0 | -20.3 | 1.21 | 1.403 | 108.3 | 0.943 | 15.457 | 322.3 | 539.0 | 0.884 | 30.031A | 0.65 | 0.045 | 105.3 | 57.9 | 25.2 | 0.140 |
| | | 11.85 | 4.78 | 16.62 | TWO | 28.973 | 329.2 | -15.7 | 84.5 | | | | | | | | | | |

1986
EARTH-NEPTUNE

| DEPART | ARRIVE | SPEED<br>DV1 | R A<br>DV2 | DECL<br>DVT | I 1<br>LEG | V 1<br>CDIST | PSI 1<br>RAS | ECCEN<br>DECLS | SMA<br>LAMDA | THET1 | THET2 | PERIH | APHEL | I 2 | V 2 | PSI 2 | R A | DECL | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46460.0 | 56910.0 | 0.483<br>10.32 | 262.1<br>4.77 | -18.7<br>15.08 | 1.62<br>TWO | 1.402<br>28.973 | 103.4<br>329.2 | 0.940<br>-15.7 | 15.484<br>84.2 | 332.4 | 539.0 | 0.931 | 30.037A | 0.17 | 0.047 | 105.6 | 58.2 | 25.1 | 0.139 |
| 46470.0 | 56910.0 | 0.434<br>9.19 | 259.1<br>4.76 | -14.8<br>13.95 | 2.57<br>TWO | 1.401<br>28.973 | 98.5<br>329.2 | 0.938<br>-15.7 | 15.503<br>84.0 | 342.5 | 538.9 | 0.964 | 30.042A | -0.84 | 0.047 | 105.8 | 58.5 | 24.8 | 0.138 |
| 46480.0 | 56910.0 | 0.421<br>8.90 | 255.4<br>4.76 | -0.3<br>13.66 | 6.58<br>TWO | 1.400<br>28.973 | 93.6<br>329.2 | 0.937<br>-15.7 | 15.515<br>83.9 | 352.5 | 538.9 | 0.984 | 30.046A | -4.92 | 0.048 | 105.9 | 59.0 | 23.5 | 0.138 |
| 46490.0 | 56910.0 | 0.450<br>9.56 | 234.0<br>4.77 | -56.7<br>14.32 | -10.93<br>ONE | 1.398<br>28.973 | 88.7<br>329.2 | 0.936<br>-15.7 | 15.519<br>83.9 | 2.7 | 178.9 | 0.990D | 30.047A | 12.53 | 0.048 | 106.0 | 57.4 | 29.1 | 0.139 |
| 46500.0 | 56910.0 | 0.409<br>8.64 | 235.1<br>4.76 | -30.3<br>13.39 | -3.05<br>ONE | 1.396<br>28.973 | 83.9<br>329.2 | 0.937<br>-15.7 | 15.514<br>83.9 | 12.7 | 178.9 | 0.982D | 30.047A | 4.58 | 0.048 | 106.1 | 58.2 | 26.6 | 0.138 |
| 46510.0 | 56910.0 | 0.443<br>9.40 | 231.1<br>4.76 | -24.4<br>14.16 | -1.80<br>ONE | 1.394<br>28.973 | 79.0<br>329.2 | 0.938<br>-15.7 | 15.502<br>84.0 | 22.7 | 178.9 | 0.959D | 30.045A | 3.27 | 0.047 | 106.0 | 58.2 | 26.2 | 0.138 |
| 46520.0 | 56910.0 | 0.496<br>10.65 | 228.8<br>4.77 | -21.7<br>15.41 | -1.31<br>ONE | 1.392<br>28.973 | 74.2<br>329.2 | 0.940<br>-15.7 | 15.482<br>84.1 | 32.6 | 179.0 | 0.923D | 30.041A | 2.71 | 0.046 | 106.0 | 58.1 | 25.9 | 0.139 |
| 46530.0 | 56910.0 | 0.562<br>12.24 | 228.5<br>4.78 | -20.5<br>17.02 | -1.05<br>ONE | 1.390<br>28.973 | 69.4<br>329.2 | 0.943<br>-15.7 | 15.455<br>84.3 | 42.5 | 179.0 | 0.874D | 30.036A | 2.38 | 0.045 | 105.9 | 57.9 | 25.7 | 0.140 |
| 46540.0 | 56910.0 | 0.635<br>14.10 | 229.9<br>4.79 | -20.2<br>18.88 | -0.91<br>ONE | 1.388<br>28.973 | 64.6<br>329.2 | 0.947<br>-15.7 | 15.422<br>84.6 | 52.4 | 179.1 | 0.814D | 30.030A | 2.16 | 0.044 | 105.8 | 57.7 | 25.6 | 0.142 |