



Astrodienst Ephemeris Tables

from the year 2021 for 10 years

tropical zodiac

contains Juno, Amor, Cupido

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPH10

ASTRODIENST EPHEMERIS for the year 2021

JANUARY 2021

00:00 UT

Day	Juno	Amor	Cupido										
F 1	4 ^h 15	1 ^h 56	1 ^h 2										
S 2	4 ^h 34	2 ^h 19	1 ^h 35										
S 3	4 ^h 52	2 ^h 42	2 ^h 9										
M 4	5 ^h 11	3 ^h 4	2 ^h 43										
T 5	5 ^h 30	3 ^h 27	3 ^h 17										
W 6	5 ^h 48	3 ^h 50	3 ^h 51										
T 7	6 ^h 7	4 ^h 13	4 ^h 25										
F 8	6 ^h 25	4 ^h 35	5 ^h 0										
S 9	6 ^h 43	4 ^h 58	5 ^h 34										
S 10	7 ^h 1	5 ^h 21	6 ^h 8										
M 11	7 ^h 19	5 ^h 44	6 ^h 43										
T 12	7 ^h 37	6 ^h 7	7 ^h 17										
W 13	7 ^h 55	6 ^h 30	7 ^h 52										
T 14	8 ^h 13	6 ^h 54	8 ^h 27										
F 15	8 ^h 31	7 ^h 17	9 ^h 1										
S 16	8 ^h 49	7 ^h 40	9 ^h 36										
S 17	9 ^h 6	8 ^h 3	10 ^h 11										
M 18	9 ^h 24	8 ^h 26	10 ^h 46										
T 19	9 ^h 41	8 ^h 50	11 ^h 21										
W 20	9 ^h 58	9 ^h 13	11 ^h 56										
T 21	10 ^h 15	9 ^h 36	12 ^h 31										
F 22	10 ^h 32	9 ^h 59	13 ^h 6										
S 23	10 ^h 49	10 ^h 23	13 ^h 42										
S 24	11 ^h 6	10 ^h 46	14 ^h 17										
M 25	11 ^h 23	11 ^h 10	14 ^h 52										
T 26	11 ^h 39	11 ^h 33	15 ^h 28										
W 27	11 ^h 56	11 ^h 56	16 ^h 3										
T 28	12 ^h 12	12 ^h 20	16 ^h 39										
F 29	12 ^h 29	12 ^h 43	17 ^h 14										
S 30	12 ^h 45	13 ^h 7	17 ^h 50										
S 31	13 ^h 1	13 ^h 30	18 ^h 25										

Delta T = 69.43 sec

FEBRUARY 2021

00:00 UT

Day	Juno	Amor	Cupido										
M 1	13 ^h 17	13 ^h 54	19 ^h 1										
T 2	13 ^h 33	14 ^h 17	19 ^h 37										
W 3	13 ^h 48	14 ^h 41	20 ^h 12										
T 4	14 ^h 4	15 ^h 5	20 ^h 48										
F 5	14 ^h 19	15 ^h 28	21 ^h 24										
S 6	14 ^h 34	15 ^h 52	22 ^h 0										
S 7	14 ^h 50	16 ^h 15	22 ^h 36										
M 8	15 ^h 5	16 ^h 39	23 ^h 12										
T 9	15 ^h 19	17 ^h 3	23 ^h 48										
W 10	15 ^h 34	17 ^h 26	24 ^h 24										
T 11	15 ^h 49	17 ^h 50	25 ^h 0										
F 12	16 ^h 3	18 ^h 14	25 ^h 36										
S 13	16 ^h 17	18 ^h 37	26 ^h 12										
S 14	16 ^h 31	19 ^h 1	26 ^h 48										
M 15	16 ^h 45	19 ^h 25	27 ^h 25										
T 16	16 ^h 59	19 ^h 48	28 ^h 1										
W 17	17 ^h 13	20 ^h 12	28 ^h 37										
T 18	17 ^h 26	20 ^h 36	29 ^h 13										
F 19	17 ^h 39	20 ^h 59	29 ^h 50										
S 20	17 ^h 52	21 ^h 23	0 ^h 26										
S 21	18 ^h 5	21 ^h 47	1 ^h 2										
M 22	18 ^h 18	22 ^h 10	1 ^h 39										
T 23	18 ^h 31	22 ^h 34	2 ^h 15										
W 24	18 ^h 43	22 ^h 58	2 ^h 52										
T 25	18 ^h 55	23 ^h 21	3 ^h 28										
F 26	19 ^h 7	23 ^h 45	4 ^h 5										
S 27	19 ^h 19	24 ^h 9	4 ^h 41										
S 28	19 ^h 31	24 ^h 32	5 ^h 18										

Delta T = 69.46 sec

ASTRODIENST EPHEMERIS for the year 2021

MARCH 2021

00:00 UT

Day	Juno	Amor	Cupido										
M 1	19 ^h 42	24 ^m 56	5 ^s 54										
T 2	19 ^h 53	25 ^m 20	6 ^s 31										
W 3	20 ^h 4	25 ^m 43	7 ^s 7										
T 4	20 ^h 15	26 ^m 7	7 ^s 44										
F 5	20 ^h 26	26 ^m 31	8 ^s 20										
S 6	20 ^h 36	26 ^m 54	8 ^s 57										
S 7	20 ^h 46	27 ^m 18	9 ^s 34										
M 8	20 ^h 56	27 ^m 41	10 ^s 10										
T 9	21 ^h 6	28 ^m 5	10 ^s 47										
W10	21 ^h 16	28 ^m 29	11 ^s 23										
T 11	21 ^h 25	28 ^m 52	12 ^s 0										
F 12	21 ^h 34	29 ^m 16	12 ^s 37										
S 13	21 ^h 43	29 ^m 39	13 ^s 13										
S 14	21 ^h 51	0 ^m 3	13 ^s 50										
M15	22 ^h 0	0 ^m 26	14 ^s 27										
T 16	22 ^h 8	0 ^m 50	15 ^s 3										
W17	22 ^h 16	1 ^m 13	15 ^s 40										
T 18	22 ^h 23	1 ^m 37	16 ^s 17										
F 19	22 ^h 30	2 ^m 0	16 ^s 54										
S 20	22 ^h 38	2 ^m 24	17 ^s 30										
S 21	22 ^h 44	2 ^m 47	18 ^s 7										
M22	22 ^h 51	3 ^m 11	18 ^s 44										
T 23	22 ^h 57	3 ^m 34	19 ^s 20										
W24	23 ^h 3	3 ^m 57	19 ^s 57										
T 25	23 ^h 9	4 ^m 21	20 ^s 34										
F 26	23 ^h 14	4 ^m 44	21 ^s 10										
S 27	23 ^h 20	5 ^m 7	21 ^s 47										
S 28	23 ^h 24	5 ^m 31	22 ^s 24										
M29	23 ^h 29	5 ^m 54	23 ^s 0										
T 30	23 ^h 33	6 ^m 17	23 ^s 37										
W31	23 ^h 37	6 ^m 40	24 ^s 14										

Delta T = 69.50 sec

APRIL 2021

00:00 UT

Day	Juno	Amor	Cupido										
T 1	23 ^h 41	7 ^m 3	24 ^s 50										
F 2	23 ^h 45	7 ^m 27	25 ^s 27										
S 3	23 ^h 48	7 ^m 50	26 ^s 4										
S 4	23 ^h 51	8 ^m 13	26 ^s 40										
M 5	23 ^h 53	8 ^m 36	27 ^s 17										
T 6	23 ^h 55	8 ^m 59	27 ^s 54										
W 7	23 ^h 57	9 ^m 22	28 ^s 30										
T 8	23 ^h 59	9 ^m 45	29 ^s 7										
F 9	24 ^h 0	10 ^m 8	29 ^s 43										
S 10	24 ^h 1	10 ^m 31	0 ^s 20										
S 11	24 ^h 2	10 ^m 54	0 ^s 56										
M12	24 ^h 2	11 ^m 17	1 ^s 33										
T 13	24 ^h 2	11 ^m 40	2 ^s 9										
W14	24 ^h 2	12 ^m 2	2 ^s 46										
T 15	24 ^h 1	12 ^m 25	3 ^s 22										
F 16	24 ^h 0	12 ^m 48	3 ^s 59										
S 17	23 ^h 59	13 ^m 11	4 ^s 35										
S 18	23 ^h 57	13 ^m 33	5 ^s 12										
M19	23 ^h 55	13 ^m 56	5 ^s 48										
T 20	23 ^h 53	14 ^m 19	6 ^s 25										
W21	23 ^h 50	14 ^m 41	7 ^s 1										
T 22	23 ^h 47	15 ^m 4	7 ^s 37										
F 23	23 ^h 44	15 ^m 26	8 ^s 14										
S 24	23 ^h 40	15 ^m 49	8 ^s 50										
S 25	23 ^h 36	16 ^m 11	9 ^s 26										
M26	23 ^h 32	16 ^m 33	10 ^s 3										
T 27	23 ^h 27	16 ^m 56	10 ^s 39										
W28	23 ^h 22	17 ^m 18	11 ^s 15										
T 29	23 ^h 17	17 ^m 40	11 ^s 51										
F 30	23 ^h 11	18 ^m 2	12 ^s 27										

Delta T = 69.54 sec

ASTRODIENST EPHEMERIS for the year 2021

MAY 2021

00:00 UT

Day	Juno	Amor	Cupido										
S 1	23°R 5	18°Y24	13°X 4										
S 2	22°59	18°47	13°40										
M 3	22°52	19° 9	14°16										
T 4	22°45	19°31	14°52										
W 5	22°38	19°53	15°28										
T 6	22°30	20°15	16° 4										
F 7	22°22	20°36	16°40										
S 8	22°14	20°58	17°16										
S 9	22° 6	21°20	17°52										
M10	21°57	21°42	18°28										
T 11	21°48	22° 3	19° 4										
W12	21°38	22°25	19°39										
T 13	21°29	22°47	20°15										
F 14	21°19	23° 8	20°51										
S 15	21° 9	23°30	21°27										
S 16	20°58	23°51	22° 3										
M17	20°48	24°12	22°38										
T 18	20°37	24°34	23°14										
W19	20°25	24°55	23°50										
T 20	20°14	25°16	24°25										
F 21	20° 2	25°37	25° 1										
S 22	19°51	25°58	25°36										
S 23	19°39	26°19	26°12										
M24	19°27	26°40	26°47										
T 25	19°14	27° 1	27°22										
W26	19° 2	27°22	27°58										
T 27	18°49	27°42	28°33										
F 28	18°36	28° 3	29° 8										
S 29	18°23	28°24	29°44										
S 30	18°10	28°44	0°II19										
M31	17°57	29°Y 4	0°II54										

Delta T = 69.58 sec

JUNE 2021

00:00 UT

Day	Juno	Amor	Cupido										
T 1	17°R44	29°Y25	1°II29										
W 2	17°30	29°45	2° 4										
T 3	17°17	0°X 5	2°39										
F 4	17° 3	0°25	3°14										
S 5	16°50	0°46	3°49										
S 6	16°36	1° 6	4°24										
M 7	16°23	1°25	4°59										
T 8	16° 9	1°45	5°34										
W 9	15°55	2° 5	6° 9										
T 10	15°42	2°25	6°43										
F 11	15°28	2°44	7°18										
S 12	15°15	3° 4	7°53										
S 13	15° 1	3°23	8°28										
M14	14°48	3°42	9° 2										
T 15	14°34	4° 2	9°37										
W16	14°21	4°21	10°11										
T 17	14° 8	4°40	10°46										
F 18	13°55	4°59	11°20										
S 19	13°42	5°18	11°54										
S 20	13°29	5°36	12°29										
M21	13°16	5°55	13° 3										
T 22	13° 4	6°14	13°37										
W23	12°52	6°32	14°11										
T 24	12°39	6°50	14°45										
F 25	12°28	7° 9	15°19										
S 26	12°16	7°27	15°53										
S 27	12° 4	7°45	16°27										
M28	11°53	8° 3	17° 1										
T 29	11°42	8°20	17°35										
W30	11°31	8°X38	18°II 9										

Delta T = 69.63 sec

ASTRODIENST EPHEMERIS for the year 2021

JULY 2021

00:00 UT

Day	Juno	Amor	Cupido										
T 1	11°R20	8 ⁸ 56	18 ^{II} 42										
F 2	11 ⁷ 10	9°13	19°16										
S 3	11° 0	9°30	19°50										
S 4	10°50	9°47	20°23										
M 5	10°40	10° 5	20°57										
T 6	10°31	10°21	21°30										
W 7	10°22	10°38	22° 4										
T 8	10°13	10°55	22°37										
F 9	10° 5	11°11	23°10										
S 10	9°57	11°28	23°43										
S 11	9°49	11°44	24°17										
M12	9°42	12° 0	24°50										
T 13	9°34	12°16	25°23										
W14	9°28	12°32	25°56										
T 15	9°21	12°48	26°29										
F 16	9°15	13° 3	27° 2										
S 17	9° 9	13°18	27°34										
S 18	9° 3	13°34	28° 7										
M19	8°58	13°49	28°40										
T 20	8°53	14° 3	29°12										
W21	8°49	14°18	29°45										
T 22	8°45	14°33	0 ⁵ 17										
F 23	8°41	14°47	0°50										
S 24	8°37	15° 1	1°22										
S 25	8°34	15°15	1°54										
M26	8°31	15°29	2°27										
T 27	8°29	15°43	2°59										
W28	8°26	15°56	3°31										
T 29	8°25	16° 9	4° 3										
F 30	8°23	16°22	4°35										
S 31	8 ⁷ 22	16 ⁸ 35	5 ⁵ 7										

Delta T = 69.68 sec

AUGUST 2021

00:00 UT

Day	Juno	Amor	Cupido										
S 1	8°R21	16 ⁸ 48	5 ⁵ 38										
M 2	8 ⁷ 21	17° 0	6°10										
T 3	8°D20	17°12	6°42										
W 4	8°21	17°24	7°13										
T 5	8°21	17°36	7°45										
F 6	8°22	17°48	8°16										
S 7	8°23	17°59	8°48										
S 8	8°25	18°10	9°19										
M 9	8°26	18°21	9°50										
T 10	8°29	18°31	10°21										
W11	8°31	18°42	10°52										
T 12	8°34	18°52	11°23										
F 13	8°37	19° 2	11°54										
S 14	8°40	19°11	12°25										
S 15	8°44	19°20	12°56										
M16	8°48	19°30	13°26										
T 17	8°52	19°38	13°57										
W18	8°57	19°47	14°27										
T 19	9° 2	19°55	14°58										
F 20	9° 7	20° 3	15°28										
S 21	9°13	20°10	15°58										
S 22	9°18	20°18	16°28										
M23	9°24	20°25	16°58										
T 24	9°31	20°32	17°28										
W25	9°37	20°38	17°58										
T 26	9°44	20°44	18°28										
F 27	9°51	20°50	18°57										
S 28	9°59	20°55	19°27										
S 29	10° 7	21° 0	19°57										
M30	10°15	21° 5	20°26										
T 31	10 ⁷ 23	21 ⁸ 9	20 ⁵ 55										

Delta T = 69.73 sec

ASTRODIENST EPHEMERIS for the year 2021

SEPTEMBER 2021

00:00 UT

Day	Juno	Amor	Cupido										
W 1	10 ^h 31	21 ^h 13	21 ^h 24										
T 2	10 ^h 40	21 ^h 17	21 ^h 53										
F 3	10 ^h 49	21 ^h 20	22 ^h 22										
S 4	10 ^h 58	21 ^h 23	22 ^h 51										
S 5	11 ^h 8	21 ^h 26	23 ^h 20										
M 6	11 ^h 18	21 ^h 28	23 ^h 49										
T 7	11 ^h 27	21 ^h 30	24 ^h 17										
W 8	11 ^h 38	21 ^h 31	24 ^h 46										
T 9	11 ^h 48	21 ^h 32	25 ^h 14										
F 10	11 ^h 59	21 ^h 33	25 ^h 42										
S 11	12 ^h 10	21 ^h R33	26 ^h 10										
S 12	12 ^h 21	21 ^h 33	26 ^h 38										
M13	12 ^h 32	21 ^h 32	27 ^h 6										
T 14	12 ^h 44	21 ^h 31	27 ^h 34										
W15	12 ^h 56	21 ^h 30	28 ^h 1										
T 16	13 ^h 8	21 ^h 28	28 ^h 29										
F 17	13 ^h 20	21 ^h 25	28 ^h 56										
S 18	13 ^h 32	21 ^h 22	29 ^h 23										
S 19	13 ^h 45	21 ^h 19	29 ^h 50										
M20	13 ^h 58	21 ^h 16	0 ^h 17										
T 21	14 ^h 11	21 ^h 11	0 ^h 44										
W22	14 ^h 24	21 ^h 7	1 ^h 11										
T 23	14 ^h 37	21 ^h 2	1 ^h 37										
F 24	14 ^h 51	20 ^h 56	2 ^h 4										
S 25	15 ^h 5	20 ^h 50	2 ^h 30										
S 26	15 ^h 19	20 ^h 44	2 ^h 56										
M27	15 ^h 33	20 ^h 37	3 ^h 22										
T 28	15 ^h 47	20 ^h 30	3 ^h 48										
W29	16 ^h 1	20 ^h 22	4 ^h 14										
T 30	16 ^h 16	20 ^h R13	4 ^h 40										

Delta T = 69.78 sec

OCTOBER 2021

00:00 UT

Day	Juno	Amor	Cupido										
F 1	16 ^h 31	20 ^h R 5	5 ^h 5										
S 2	16 ^h 46	19 ^h R55	5 ^h 30										
S 3	17 ^h 1	19 ^h 46	5 ^h 55										
M 4	17 ^h 17	19 ^h 35	6 ^h 20										
T 5	17 ^h 32	19 ^h 25	6 ^h 45										
W 6	17 ^h 48	19 ^h 14	7 ^h 10										
T 7	18 ^h 4	19 ^h 2	7 ^h 34										
F 8	18 ^h 20	18 ^h 50	7 ^h 58										
S 9	18 ^h 36	18 ^h 37	8 ^h 23										
S 10	18 ^h 52	18 ^h 24	8 ^h 47										
M11	19 ^h 8	18 ^h 11	9 ^h 10										
T 12	19 ^h 25	17 ^h 57	9 ^h 34										
W13	19 ^h 42	17 ^h 43	9 ^h 57										
T 14	19 ^h 59	17 ^h 28	10 ^h 20										
F 15	20 ^h 16	17 ^h 13	10 ^h 43										
S 16	20 ^h 33	16 ^h 58	11 ^h 6										
S 17	20 ^h 50	16 ^h 42	11 ^h 29										
M18	21 ^h 8	16 ^h 26	11 ^h 51										
T 19	21 ^h 25	16 ^h 9	12 ^h 13										
W20	21 ^h 43	15 ^h 52	12 ^h 35										
T 21	22 ^h 1	15 ^h 35	12 ^h 57										
F 22	22 ^h 19	15 ^h 18	13 ^h 19										
S 23	22 ^h 37	15 ^h 0	13 ^h 40										
S 24	22 ^h 55	14 ^h 42	14 ^h 1										
M25	23 ^h 13	14 ^h 23	14 ^h 22										
T 26	23 ^h 32	14 ^h 5	14 ^h 43										
W27	23 ^h 50	13 ^h 46	15 ^h 4										
T 28	24 ^h 9	13 ^h 27	15 ^h 24										
F 29	24 ^h 28	13 ^h 7	15 ^h 44										
S 30	24 ^h 47	12 ^h 48	16 ^h 4										
S 31	25 ^h 6	12 ^h R28	16 ^h R23										

Delta T = 69.84 sec

ASTRODIENST EPHEMERIS for the year 2021

NOVEMBER 2021

00:00 UT

Day	Juno	Amor	Cupido										
M 1	25 ^h 25	12 ^h R 8	16 ^h 042										
T 2	25 ^h 44	11 ^h 848	17 ^h 1										
W 3	26 ^h 3	11 ^h 28	17 ^h 20										
T 4	26 ^h 23	11 ^h 8	17 ^h 39										
F 5	26 ^h 42	10 ^h 48	17 ^h 57										
S 6	27 ^h 2	10 ^h 28	18 ^h 15										
S 7	27 ^h 22	10 ^h 8	18 ^h 32										
M 8	27 ^h 41	9 ^h 48	18 ^h 50										
T 9	28 ^h 1	9 ^h 28	19 ^h 7										
W10	28 ^h 21	9 ^h 8	19 ^h 24										
T 11	28 ^h 42	8 ^h 48	19 ^h 40										
F 12	29 ^h 2	8 ^h 28	19 ^h 56										
S 13	29 ^h 22	8 ^h 8	20 ^h 12										
S 14	29 ^h 43	7 ^h 49	20 ^h 28										
M15	0 ^h 3 3	7 ^h 29	20 ^h 43										
T 16	0 ^h 24	7 ^h 10	20 ^h 58										
W17	0 ^h 44	6 ^h 51	21 ^h 12										
T 18	1 ^h 5	6 ^h 33	21 ^h 27										
F 19	1 ^h 26	6 ^h 14	21 ^h 41										
S 20	1 ^h 47	5 ^h 56	21 ^h 54										
S 21	2 ^h 8	5 ^h 38	22 ^h 7										
M22	2 ^h 29	5 ^h 21	22 ^h 20										
T 23	2 ^h 50	5 ^h 3	22 ^h 33										
W24	3 ^h 11	4 ^h 46	22 ^h 45										
T 25	3 ^h 33	4 ^h 30	22 ^h 57										
F 26	3 ^h 54	4 ^h 14	23 ^h 8										
S 27	4 ^h 15	3 ^h 58	23 ^h 19										
S 28	4 ^h 37	3 ^h 43	23 ^h 30										
M29	4 ^h 58	3 ^h 28	23 ^h 40										
T 30	5 ^h 20	3 ^h 13	23 ^h 50										

Delta T = 69.89 sec

DECEMBER 2021

00:00 UT

Day	Juno	Amor	Cupido										
W 1	5 ^h 42	2 ^h R59	23 ^h 059										
T 2	6 ^h 4	2 ^h 45	24 ^h 8										
F 3	6 ^h 26	2 ^h 32	24 ^h 17										
S 4	6 ^h 47	2 ^h 20	24 ^h 25										
S 5	7 ^h 9	2 ^h 7	24 ^h 33										
M 6	7 ^h 32	1 ^h 56	24 ^h 40										
T 7	7 ^h 54	1 ^h 44	24 ^h 47										
W 8	8 ^h 16	1 ^h 34	24 ^h 53										
T 9	8 ^h 38	1 ^h 23	24 ^h 59										
F 10	9 ^h 0	1 ^h 14	25 ^h 5										
S 11	9 ^h 23	1 ^h 5	25 ^h 10										
S 12	9 ^h 45	0 ^h 56	25 ^h 14										
M13	10 ^h 8	0 ^h 48	25 ^h 18										
T 14	10 ^h 30	0 ^h 40	25 ^h 22										
W15	10 ^h 53	0 ^h 33	25 ^h 25										
T 16	11 ^h 15	0 ^h 26	25 ^h 28										
F 17	11 ^h 38	0 ^h 20	25 ^h 30										
S 18	12 ^h 1	0 ^h 15	25 ^h 31										
S 19	12 ^h 23	0 ^h 10	25 ^h 32										
M20	12 ^h 46	0 ^h 5	25 ^h 33										
T 21	13 ^h 9	0 ^h 1	25 ^h R33										
W22	13 ^h 32	29 ^h Y58	25 ^h 33										
T 23	13 ^h 55	29 ^h 55	25 ^h 32										
F 24	14 ^h 18	29 ^h 53	25 ^h 30										
S 25	14 ^h 41	29 ^h 51	25 ^h 29										
S 26	15 ^h 4	29 ^h 49	25 ^h 26										
M27	15 ^h 27	29 ^h 48	25 ^h 23										
T 28	15 ^h 50	29 ^h D48	25 ^h 20										
W29	16 ^h 13	29 ^h 48	25 ^h 16										
T 30	16 ^h 36	29 ^h 48	25 ^h 11										
F 31	17 ^h 0	29 ^h Y50	25 ^h 06										

Delta T = 69.95 sec

ASTRODIENST EPHEMERIS for the year 2022

JANUARY 2022

00:00 UT

Day	Juno	Amor	Cupido										
S 1	17 ³ 23	29 ^Y 51	25 ^R 1										
S 2	17 ⁴ 46	29 ⁵ 53	24 ^Q 54										
M 3	18 ¹ 10	29 ⁵ 56	24 ⁴ 48										
T 4	18 ³ 33	29 ⁵ 59	24 ⁴ 41										
W 5	18 ⁵ 56	0 ⁸ 2	24 ³ 33										
T 6	19 ² 20	0 ⁰ 6	24 ² 25										
F 7	19 ⁴ 43	0 ⁰ 10	24 ¹ 17										
S 8	20 ⁰ 7	0 ⁰ 15	24 ⁰ 7										
S 9	20 ³ 30	0 ⁰ 20	23 ⁵ 58										
M10	20 ⁵ 54	0 ⁰ 26	23 ⁴ 48										
T 11	21 ¹ 18	0 ⁰ 32	23 ³ 37										
W12	21 ⁴ 41	0 ⁰ 39	23 ² 27										
T 13	22 ⁰ 5	0 ⁰ 46	23 ¹ 15										
F 14	22 ² 28	0 ⁰ 53	23 ⁰ 3										
S 15	22 ⁵ 52	1 ⁰ 1	22 ⁵ 51										
S 16	23 ¹ 16	1 ⁰ 9	22 ³ 39										
M17	23 ⁴ 40	1 ⁰ 18	22 ² 26										
T 18	24 ⁰ 3	1 ⁰ 26	22 ¹ 12										
W19	24 ² 27	1 ⁰ 36	21 ⁵ 59										
T 20	24 ⁵ 51	1 ⁰ 46	21 ⁴ 45										
F 21	25 ¹ 15	1 ⁰ 56	21 ³ 30										
S 22	25 ³ 38	2 ⁰ 6	21 ¹ 16										
S 23	26 ⁰ 2	2 ⁰ 17	21 ⁰ 1										
M24	26 ² 26	2 ⁰ 28	20 ⁴ 46										
T 25	26 ⁵ 50	2 ⁰ 40	20 ³ 30										
W26	27 ¹ 14	2 ⁰ 52	20 ¹ 15										
T 27	27 ³ 38	3 ⁰ 4	19 ⁵ 59										
F 28	28 ⁰ 1	3 ⁰ 16	19 ⁴ 42										
S 29	28 ² 25	3 ⁰ 29	19 ² 26										
S 30	28 ⁴ 49	3 ⁰ 43	19 ¹ 10										
M31	29 ³ 13	3 ⁰ 56	18 ⁶ 53										

Delta T = 70.00 sec

FEBRUARY 2022

00:00 UT

Day	Juno	Amor	Cupido										
T 1	29 ³ 37	4 ⁸ 10	18 ^R 37										
W 2	0 ⁰ 1	4 ² 24	18 ^Q 20										
T 3	0 ⁰ 25	4 ³ 39	18 ⁰ 3										
F 4	0 ⁰ 49	4 ⁵ 54	17 ⁴ 46										
S 5	1 ⁰ 13	5 ⁰ 9	17 ² 29										
S 6	1 ⁰ 37	5 ⁰ 24	17 ¹ 13										
M 7	2 ⁰ 1	5 ⁰ 40	16 ⁵ 56										
T 8	2 ⁰ 24	5 ⁰ 56	16 ³ 39										
W 9	2 ⁰ 48	6 ⁰ 13	16 ² 23										
T 10	3 ⁰ 12	6 ⁰ 29	16 ⁰ 6										
F 11	3 ⁰ 36	6 ⁰ 46	15 ⁵ 50										
S 12	4 ⁰ 0	7 ⁰ 3	15 ³ 33										
S 13	4 ⁰ 24	7 ⁰ 21	15 ¹ 17										
M14	4 ⁰ 48	7 ⁰ 38	15 ⁰ 1										
T 15	5 ⁰ 12	7 ⁰ 56	14 ⁴ 46										
W16	5 ⁰ 36	8 ⁰ 14	14 ³ 30										
T 17	6 ⁰ 0	8 ⁰ 33	14 ¹ 15										
F 18	6 ⁰ 24	8 ⁰ 52	14 ⁰ 0										
S 19	6 ⁰ 47	9 ⁰ 11	13 ⁴ 46										
S 20	7 ⁰ 11	9 ⁰ 30	13 ³ 31										
M21	7 ⁰ 35	9 ⁰ 49	13 ¹ 17										
T 22	7 ⁰ 59	10 ⁰ 9	13 ⁰ 3										
W23	8 ⁰ 23	10 ⁰ 29	12 ⁵ 50										
T 24	8 ⁰ 47	10 ⁰ 49	12 ³ 37										
F 25	9 ⁰ 10	11 ⁰ 9	12 ² 24										
S 26	9 ⁰ 34	11 ⁰ 30	12 ¹ 12										
S 27	9 ⁰ 58	11 ⁰ 51	12 ⁰ 0										
M28	10 ⁰ 22	12 ⁰ 12	11 ⁶ 49										

Delta T = 70.05 sec

ASTRODIENST EPHEMERIS for the year 2022

MARCH 2022

00:00 UT

Day	Juno	Amor	Cupido										
T 1	10 ⁴⁵	12 ³³	11 ³⁸										
W 2	11° 9	12°54	11 ²⁷										
T 3	11°33	13°16	11°17										
F 4	11°57	13°38	11° 7										
S 5	12°20	14° 0	10°58										
S 6	12°44	14°22	10°49										
M 7	13° 7	14°45	10°40										
T 8	13°31	15° 8	10°32										
W 9	13°55	15°31	10°25										
T 10	14°18	15°54	10°18										
F 11	14°42	16°17	10°11										
S 12	15° 5	16°41	10° 5										
S 13	15°29	17° 4	10° 0										
M 14	15°52	17°28	9°55										
T 15	16°15	17°52	9°50										
W 16	16°39	18°16	9°46										
T 17	17° 2	18°41	9°42										
F 18	17°25	19° 6	9°39										
S 19	17°48	19°30	9°36										
S 20	18°12	19°55	9°34										
M 21	18°35	20°20	9°32										
T 22	18°58	20°46	9°31										
W 23	19°21	21°11	9°30										
T 24	19°44	21°37	9°29										
F 25	20° 7	22° 3	9°D29										
S 26	20°30	22°29	9°30										
S 27	20°53	22°55	9°31										
M 28	21°16	23°21	9°32										
T 29	21°39	23°48	9°34										
W 30	22° 1	24°14	9°36										
T 31	22 ²⁴	24 ⁴¹	9 ³⁹										

Delta T = 70.09 sec

APRIL 2022

00:00 UT

Day	Juno	Amor	Cupido										
F 1	22 ⁴⁷	25 ⁸	9 ⁴²										
S 2	23° 9	25°35	9°45										
S 3	23°32	26° 3	9°49										
M 4	23°54	26°30	9°53										
T 5	24°17	26°58	9°58										
W 6	24°39	27°26	10° 3										
T 7	25° 2	27°54	10° 8										
F 8	25°24	28°22	10°14										
S 9	25°46	28°50	10°21										
S 10	26° 8	29°19	10°27										
M 11	26°30	29°47	10°34										
T 12	26°52	0 ¹⁶	10°42										
W 13	27°14	0°45	10°49										
T 14	27°36	1°14	10°57										
F 15	27°58	1°43	11° 6										
S 16	28°20	2°12	11°14										
S 17	28°41	2°42	11°23										
M 18	29° 3	3°11	11°33										
T 19	29°24	3°41	11°43										
W 20	29°46	4°11	11°53										
T 21	0 ⁷	4°41	12° 3										
F 22	0°29	5°12	12°13										
S 23	0°50	5°42	12°24										
S 24	1°11	6°13	12°36										
M 25	1°32	6°43	12°47										
T 26	1°53	7°14	12°59										
W 27	2°14	7°45	13°11										
T 28	2°34	8°16	13°23										
F 29	2°55	8°48	13°36										
S 30	3 ¹⁶	9 ¹⁹	13 ⁴⁹										

Delta T = 70.13 sec

ASTRODIENST EPHEMERIS for the year 2022

MAY 2022

00:00 UT

Day	Juno	Amor	Cupido										
S 1	3 ^h 36	9 ^h 51	14 ^h 02										
M 2	3 ^h 57	10 ^h 22	14 ^h 15										
T 3	4 ^h 17	10 ^h 54	14 ^h 29										
W 4	4 ^h 37	11 ^h 26	14 ^h 43										
T 5	4 ^h 57	11 ^h 59	14 ^h 57										
F 6	5 ^h 17	12 ^h 31	15 ^h 11										
S 7	5 ^h 37	13 ^h 3	15 ^h 26										
S 8	5 ^h 57	13 ^h 36	15 ^h 41										
M 9	6 ^h 16	14 ^h 9	15 ^h 56										
T 10	6 ^h 36	14 ^h 42	16 ^h 11										
W 11	6 ^h 55	15 ^h 15	16 ^h 27										
T 12	7 ^h 14	15 ^h 48	16 ^h 42										
F 13	7 ^h 33	16 ^h 22	16 ^h 58										
S 14	7 ^h 52	16 ^h 55	17 ^h 14										
S 15	8 ^h 11	17 ^h 29	17 ^h 31										
M 16	8 ^h 30	18 ^h 3	17 ^h 47										
T 17	8 ^h 49	18 ^h 37	18 ^h 4										
W 18	9 ^h 7	19 ^h 11	18 ^h 21										
T 19	9 ^h 25	19 ^h 45	18 ^h 38										
F 20	9 ^h 44	20 ^h 20	18 ^h 55										
S 21	10 ^h 2	20 ^h 54	19 ^h 12										
S 22	10 ^h 20	21 ^h 29	19 ^h 30										
M 23	10 ^h 37	22 ^h 4	19 ^h 48										
T 24	10 ^h 55	22 ^h 39	20 ^h 5										
W 25	11 ^h 13	23 ^h 14	20 ^h 23										
T 26	11 ^h 30	23 ^h 50	20 ^h 42										
F 27	11 ^h 47	24 ^h 25	21 ^h 0										
S 28	12 ^h 4	25 ^h 1	21 ^h 19										
S 29	12 ^h 21	25 ^h 37	21 ^h 37										
M 30	12 ^h 37	26 ^h 13	21 ^h 56										
T 31	12 ^h 54	26 ^h 49	22 ^h 15										

Delta T = 70.18 sec

JUNE 2022

00:00 UT

Day	Juno	Amor	Cupido										
W 1	13 ^h 10	27 ^h 26	22 ^h 34										
T 2	13 ^h 26	28 ^h 2	22 ^h 54										
F 3	13 ^h 42	28 ^h 39	23 ^h 13										
S 4	13 ^h 58	29 ^h 16	23 ^h 32										
S 5	14 ^h 13	29 ^h 53	23 ^h 52										
M 6	14 ^h 29	0 ^h 30	24 ^h 12										
T 7	14 ^h 44	1 ^h 7	24 ^h 32										
W 8	14 ^h 59	1 ^h 45	24 ^h 52										
T 9	15 ^h 14	2 ^h 23	25 ^h 12										
F 10	15 ^h 28	3 ^h 0	25 ^h 32										
S 11	15 ^h 42	3 ^h 38	25 ^h 53										
S 12	15 ^h 56	4 ^h 17	26 ^h 13										
M 13	16 ^h 10	4 ^h 55	26 ^h 34										
T 14	16 ^h 24	5 ^h 34	26 ^h 55										
W 15	16 ^h 37	6 ^h 12	27 ^h 16										
T 16	16 ^h 51	6 ^h 51	27 ^h 37										
F 17	17 ^h 4	7 ^h 30	27 ^h 58										
S 18	17 ^h 16	8 ^h 10	28 ^h 19										
S 19	17 ^h 29	8 ^h 49	28 ^h 40										
M 20	17 ^h 41	9 ^h 29	29 ^h 1										
T 21	17 ^h 53	10 ^h 8	29 ^h 23										
W 22	18 ^h 5	10 ^h 48	29 ^h 44										
T 23	18 ^h 16	11 ^h 28	0 ^h 6										
F 24	18 ^h 27	12 ^h 9	0 ^h 28										
S 25	18 ^h 38	12 ^h 49	0 ^h 50										
S 26	18 ^h 49	13 ^h 30	1 ^h 12										
M 27	18 ^h 59	14 ^h 11	1 ^h 34										
T 28	19 ^h 9	14 ^h 52	1 ^h 56										
W 29	19 ^h 19	15 ^h 33	2 ^h 18										
T 30	19 ^h 28	16 ^h 15	2 ^h 40										

Delta T = 70.22 sec

ASTRODIENST EPHEMERIS for the year 2022

JULY 2022

00:00 UT

Day	Juno	Amor	Cupido										
F 1	19 ^h 37	16 ^h 57	3 ^h 3										
S 2	19 ^h 46	17 ^h 38	3 ^h 25										
S 3	19 ^h 54	18 ^h 20	3 ^h 48										
M 4	20 ^h 3	19 ^h 3	4 ^h 10										
T 5	20 ^h 10	19 ^h 45	4 ^h 33										
W 6	20 ^h 18	20 ^h 28	4 ^h 56										
T 7	20 ^h 25	21 ^h 11	5 ^h 18										
F 8	20 ^h 32	21 ^h 54	5 ^h 41										
S 9	20 ^h 38	22 ^h 37	6 ^h 4										
S 10	20 ^h 44	23 ^h 20	6 ^h 27										
M 11	20 ^h 50	24 ^h 4	6 ^h 50										
T 12	20 ^h 56	24 ^h 48	7 ^h 13										
W 13	21 ^h 1	25 ^h 32	7 ^h 37										
T 14	21 ^h 5	26 ^h 16	8 ^h 0										
F 15	21 ^h 10	27 ^h 0	8 ^h 23										
S 16	21 ^h 14	27 ^h 45	8 ^h 47										
S 17	21 ^h 17	28 ^h 30	9 ^h 10										
M 18	21 ^h 20	29 ^h 15	9 ^h 34										
T 19	21 ^h 23	0 ^h 0	9 ^h 57										
W 20	21 ^h 26	0 ^h 46	10 ^h 21										
T 21	21 ^h 28	1 ^h 31	10 ^h 44										
F 22	21 ^h 29	2 ^h 17	11 ^h 8										
S 23	21 ^h 30	3 ^h 3	11 ^h 32										
S 24	21 ^h 31	3 ^h 50	11 ^h 56										
M 25	21 ^h R31	4 ^h 36	12 ^h 20										
T 26	21 ^h 31	5 ^h 23	12 ^h 44										
W 27	21 ^h 31	6 ^h 10	13 ^h 8										
T 28	21 ^h 30	6 ^h 57	13 ^h 32										
F 29	21 ^h 29	7 ^h 45	13 ^h 56										
S 30	21 ^h 27	8 ^h 32	14 ^h 20										
S 31	21 ^h X24	9 ^h 20	14 ^h 44										

Delta T = 70.26 sec

AUGUST 2022

00:00 UT

Day	Juno	Amor	Cupido										
M 1	21 ^h R22	10 ^h 8	15 ^h 8										
T 2	21 ^h X19	10 ^h 56	15 ^h 33										
W 3	21 ^h 15	11 ^h 45	15 ^h 57										
T 4	21 ^h 11	12 ^h 34	16 ^h 21										
F 5	21 ^h 7	13 ^h 23	16 ^h 46										
S 6	21 ^h 2	14 ^h 12	17 ^h 10										
S 7	20 ^h 57	15 ^h 1	17 ^h 35										
M 8	20 ^h 51	15 ^h 51	17 ^h 59										
T 9	20 ^h 45	16 ^h 40	18 ^h 24										
W 10	20 ^h 38	17 ^h 31	18 ^h 49										
T 11	20 ^h 31	18 ^h 21	19 ^h 13										
F 12	20 ^h 24	19 ^h 11	19 ^h 38										
S 13	20 ^h 16	20 ^h 2	20 ^h 3										
S 14	20 ^h 8	20 ^h 53	20 ^h 27										
M 15	19 ^h 59	21 ^h 44	20 ^h 52										
T 16	19 ^h 50	22 ^h 35	21 ^h 17										
W 17	19 ^h 41	23 ^h 27	21 ^h 42										
T 18	19 ^h 31	24 ^h 19	22 ^h 7										
F 19	19 ^h 21	25 ^h 11	22 ^h 32										
S 20	19 ^h 11	26 ^h 3	22 ^h 57										
S 21	19 ^h 0	26 ^h 56	23 ^h 22										
M 22	18 ^h 49	27 ^h 48	23 ^h 47										
T 23	18 ^h 37	28 ^h 41	24 ^h 12										
W 24	18 ^h 25	29 ^h 34	24 ^h 37										
T 25	18 ^h 13	0 ^h 28	25 ^h 2										
F 26	18 ^h 0	1 ^h 21	25 ^h 27										
S 27	17 ^h 48	2 ^h 15	25 ^h 52										
S 28	17 ^h 35	3 ^h 9	26 ^h 17										
M 29	17 ^h 21	4 ^h 3	26 ^h 42										
T 30	17 ^h 8	4 ^h 58	27 ^h 8										
W 31	16 ^h X54	5 ^h 52	27 ^h 33										

Delta T = 70.30 sec

ASTRODIENST EPHEMERIS for the year 2022

SEPTEMBER 2022

00:00 UT

Day	Juno	Amor	Cupido										
T 1	16°R40	6 ^m 47	27 ^m 58										
F 2	16 ^h 26	7°42	28°23										
S 3	16°12	8°37	28°49										
S 4	15°57	9°33	29°14										
M 5	15°43	10°28	29°40										
T 6	15°28	11°24	0 ^h 5										
W 7	15°13	12°20	0°30										
T 8	14°59	13°17	0°56										
F 9	14°44	14°13	1°21										
S 10	14°29	15°10	1°47										
S 11	14°14	16° 6	2°12										
M12	13°59	17° 3	2°37										
T 13	13°44	18° 0	3° 3										
W14	13°30	18°58	3°28										
T 15	13°15	19°55	3°54										
F 16	13° 0	20°53	4°20										
S 17	12°46	21°51	4°45										
S 18	12°32	22°49	5°11										
M19	12°17	23°47	5°36										
T 20	12° 3	24°45	6° 2										
W21	11°50	25°44	6°27										
T 22	11°36	26°42	6°53										
F 23	11°23	27°41	7°19										
S 24	11°10	28°40	7°44										
S 25	10°57	29°39	8°10										
M26	10°44	0 ^h 38	8°36										
T 27	10°32	1°38	9° 1										
W28	10°20	2°37	9°27										
T 29	10° 8	3°37	9°53										
F 30	9 ^h 57	4 ^h 36	10 ^h 18										

Delta T = 70.34 sec

OCTOBER 2022

00:00 UT

Day	Juno	Amor	Cupido										
S 1	9°R46	5 ^h 36	10 ^h 44										
S 2	9 ^h 36	6°36	11°10										
M 3	9°26	7°36	11°35										
T 4	9°16	8°36	12° 1										
W 5	9° 7	9°37	12°27										
T 6	8°58	10°37	12°53										
F 7	8°50	11°37	13°18										
S 8	8°42	12°38	13°44										
S 9	8°35	13°38	14°10										
M10	8°28	14°39	14°35										
T 11	8°21	15°39	15° 1										
W12	8°15	16°40	15°27										
T 13	8°10	17°41	15°52										
F 14	8° 5	18°41	16°18										
S 15	8° 0	19°42	16°44										
S 16	7°56	20°43	17° 9										
M17	7°52	21°44	17°35										
T 18	7°49	22°45	18° 1										
W19	7°47	23°46	18°26										
T 20	7°45	24°47	18°52										
F 21	7°43	25°48	19°18										
S 22	7°42	26°48	19°43										
S 23	7°42	27°49	20° 9										
M24	7°D41	28°50	20°35										
T 25	7°42	29°51	21° 0										
W26	7°43	0 ^h 52	21°26										
T 27	7°44	1°53	21°52										
F 28	7°47	2°53	22°17										
S 29	7°49	3°54	22°43										
S 30	7°52	4°55	23° 8										
M31	7 ^h 56	5 ^h 55	23 ^h 34										

Delta T = 70.38 sec

ASTRODIENST EPHEMERIS for the year 2022

NOVEMBER 2022

00:00 UT

Day	Juno	Amor	Cupido										
T 1	8 X 0	6 M .56	23 A .59										
W 2	8° 4	7°56	24°25										
T 3	8° 9	8°57	24°50										
F 4	8°15	9°57	25°16										
S 5	8°21	10°57	25°41										
S 6	8°27	11°57	26° 7										
M 7	8°34	12°57	26°32										
T 8	8°41	13°57	26°57										
W 9	8°49	14°57	27°23										
T 10	8°58	15°57	27°48										
F 11	9° 6	16°56	28°13										
S 12	9°16	17°56	28°39										
S 13	9°25	18°55	29° 4										
M14	9°35	19°54	29°29										
T 15	9°46	20°53	29°54										
W16	9°57	21°52	0 M .20										
T 17	10° 8	22°51	0°45										
F 18	10°20	23°49	1°10										
S 19	10°32	24°48	1°35										
S 20	10°45	25°46	2° 0										
M21	10°58	26°44	2°25										
T 22	11°11	27°42	2°50										
W23	11°25	28°40	3°15										
T 24	11°39	29°37	3°40										
F 25	11°54	0 X .35	4° 5										
S 26	12° 9	1°32	4°30										
S 27	12°24	2°29	4°55										
M28	12°39	3°26	5°19										
T 29	12°56	4°22	5°44										
W30	13 X .12	5 X .19	6 M . 9										

Delta T = 70.42 sec

DECEMBER 2022

00:00 UT

Day	Juno	Amor	Cupido										
T 1	13 X .29	6 X .15	6 M .33										
F 2	13°46	7°11	6°58										
S 3	14° 3	8° 7	7°23										
S 4	14°21	9° 2	7°47										
M 5	14°39	9°58	8°12										
T 6	14°57	10°53	8°36										
W 7	15°16	11°48	9° 0										
T 8	15°35	12°43	9°25										
F 9	15°54	13°37	9°49										
S 10	16°14	14°31	10°13										
S 11	16°34	15°25	10°37										
M12	16°54	16°19	11° 1										
T 13	17°15	17°13	11°25										
W14	17°36	18° 6	11°49										
T 15	17°57	18°59	12°13										
F 16	18°18	19°52	12°37										
S 17	18°40	20°45	13° 1										
S 18	19° 2	21°37	13°25										
M19	19°24	22°29	13°48										
T 20	19°46	23°21	14°12										
W21	20° 9	24°13	14°36										
T 22	20°32	25° 5	14°59										
F 23	20°55	25°56	15°22										
S 24	21°18	26°47	15°46										
S 25	21°42	27°38	16° 9										
M26	22° 6	28°28	16°32										
T 27	22°30	29°18	16°55										
W28	22°54	0 X . 8	17°18										
T 29	23°19	0°58	17°41										
F 30	23°44	1°48	18° 4										
S 31	24 X . 9	2 X .37	18 M .27										

Delta T = 70.46 sec

ASTRODIENST EPHEMERIS for the year 2023

JANUARY 2023

00:00 UT

Day	Juno	Amor	Cupido										
S 1	24 X 34	3 Z 26	18 M 49										
M 2	25° 0	4°15	19°12										
T 3	25°25	5° 3	19°34										
W 4	25°51	5°52	19°57										
T 5	26°17	6°40	20°19										
F 6	26°43	7°28	20°41										
S 7	27°10	8°15	21° 3										
S 8	27°37	9° 3	21°25										
M 9	28° 3	9°50	21°47										
T 10	28°30	10°37	22° 9										
W 11	28°58	11°23	22°31										
T 12	29°25	12°10	22°52										
F 13	29°52	12°56	23°14										
S 14	0 V 20	13°42	23°35										
S 15	0°48	14°27	23°57										
M 16	1°16	15°13	24°18										
T 17	1°44	15°58	24°39										
W 18	2°13	16°43	25° 0										
T 19	2°41	17°28	25°20										
F 20	3°10	18°12	25°41										
S 21	3°39	18°57	26° 2										
S 22	4° 8	19°41	26°22										
M 23	4°37	20°25	26°42										
T 24	5° 6	21° 8	27° 2										
W 25	5°36	21°52	27°22										
T 26	6° 5	22°35	27°42										
F 27	6°35	23°18	28° 2										
S 28	7° 5	24° 0	28°22										
S 29	7°35	24°43	28°41										
M 30	8° 5	25°25	29° 0										
T 31	8 V 36	26 Z 7	29 M 19										

Delta T = 70.50 sec

FEBRUARY 2023

00:00 UT

Day	Juno	Amor	Cupido										
W 1	9 V 6	26 Z 49	29 M 38										
T 2	9°36	27°31	29°57										
F 3	10° 7	28°12	0 X 16										
S 4	10°38	28°53	0°34										
S 5	11° 9	29°34	0°52										
M 6	11°40	0 X 15	1°11										
T 7	12°11	0°55	1°29										
W 8	12°42	1°36	1°46										
T 9	13°14	2°16	2° 4										
F 10	13°45	2°56	2°21										
S 11	14°17	3°35	2°39										
S 12	14°48	4°15	2°56										
M 13	15°20	4°54	3°12										
T 14	15°52	5°33	3°29										
W 15	16°24	6°12	3°46										
T 16	16°56	6°51	4° 2										
F 17	17°28	7°29	4°18										
S 18	18° 0	8° 7	4°34										
S 19	18°33	8°45	4°49										
M 20	19° 5	9°23	5° 5										
T 21	19°38	10° 1	5°20										
W 22	20°10	10°38	5°35										
T 23	20°43	11°15	5°50										
F 24	21°16	11°53	6° 4										
S 25	21°49	12°29	6°18										
S 26	22°22	13° 6	6°32										
M 27	22°55	13°42	6°46										
T 28	23 V 28	14 X 19	6 X 59										

Delta T = 70.54 sec

ASTRODIENST EPHEMERIS for the year 2023

MARCH 2023

00:00 UT

Day	Juno	Amor	Cupido										
W 1	24 ⁰⁰ 1	14 ⁰⁰ 55	7 ⁰⁰ 13										
T 2	24 ⁰³ 4	15 ⁰³ 1	7 ⁰² 6										
F 3	25 ⁰⁸	16 ⁰⁶	7 ⁰³ 8										
S 4	25 ⁴¹	16 ⁴²	7 ⁰⁵ 1										
S 5	26 ¹⁵	17 ¹⁷	8 ⁰³										
M 6	26 ⁴⁸	17 ⁵²	8 ⁰⁵ 15										
T 7	27 ²²	18 ²⁷	8 ⁰² 6										
W 8	27 ⁵⁶	19 ⁰²	8 ⁰³ 8										
T 9	28 ²⁹	19 ³⁶	8 ⁰⁴ 9										
F 10	29 ⁰³	20 ¹¹	8 ⁰⁵ 9										
S 11	29 ³⁷	20 ⁴⁵	9 ⁰¹ 0										
S 12	0 ⁰⁸ 11	21 ¹⁹	9 ⁰² 0										
M 13	0 ⁴⁵	21 ⁵²	9 ⁰³ 0										
T 14	1 ¹⁹	22 ²⁶	9 ⁰³ 9										
W 15	1 ⁵³	22 ⁵⁹	9 ⁰⁴ 8										
T 16	2 ²⁷	23 ³³	9 ⁰⁵ 7										
F 17	3 ⁰²	24 ⁰⁶	10 ⁰⁰ 6										
S 18	3 ³⁶	24 ³⁹	10 ⁰¹ 4										
S 19	4 ¹⁰	25 ¹¹	10 ⁰² 2										
M 20	4 ⁴⁴	25 ⁴⁴	10 ⁰² 9										
T 21	5 ¹⁹	26 ¹⁶	10 ⁰³ 6										
W 22	5 ⁵³	26 ⁴⁸	10 ⁰⁴ 3										
T 23	6 ²⁸	27 ²⁰	10 ⁰⁵ 0										
F 24	7 ⁰³	27 ⁵²	10 ⁰⁵ 6										
S 25	7 ³⁷	28 ²⁴	11 ⁰⁰ 1										
S 26	8 ¹²	28 ⁵⁵	11 ⁰⁰ 7										
M 27	8 ⁴⁶	29 ²⁶	11 ⁰¹ 2										
T 28	9 ²¹	29 ⁵⁷	11 ⁰¹ 6										
W 29	9 ⁵⁶	0 ⁰⁰ 28	11 ⁰² 0										
T 30	10 ³¹	0 ⁵⁹	11 ⁰² 4										
F 31	11 ⁰⁶	1 ⁰⁰ 29	11 ⁰² 7										

Delta T = 70.58 sec

APRIL 2023

00:00 UT

Day	Juno	Amor	Cupido										
S 1	11 ⁰⁸ 41	1 ⁰⁰ 59	11 ⁰⁰ 30										
S 2	12 ¹⁵	2 ³⁰	11 ⁰³ 3										
M 3	12 ⁵⁰	3 ⁰⁰	11 ⁰³ 5										
T 4	13 ²⁵	3 ²⁹	11 ⁰³ 7										
W 5	14 ⁰⁰	3 ⁵⁹	11 ⁰³ 8										
T 6	14 ³⁵	4 ²⁸	11 ⁰³ 9										
F 7	15 ¹⁰	4 ⁵⁷	11 ⁰⁴ 0										
S 8	15 ⁴⁵	5 ²⁷	11 ⁰⁴ R40										
S 9	16 ²¹	5 ⁵⁵	11 ⁰³ 9										
M 10	16 ⁵⁶	6 ²⁴	11 ⁰³ 9										
T 11	17 ³¹	6 ⁵³	11 ⁰³ 7										
W 12	18 ⁰⁶	7 ²¹	11 ⁰³ 6										
T 13	18 ⁴¹	7 ⁴⁹	11 ⁰³ 4										
F 14	19 ¹⁶	8 ¹⁷	11 ⁰³ 1										
S 15	19 ⁵²	8 ⁴⁵	11 ⁰² 8										
S 16	20 ²⁷	9 ¹²	11 ⁰² 5										
M 17	21 ⁰²	9 ⁴⁰	11 ⁰² 1										
T 18	21 ³⁸	10 ⁰⁷	11 ⁰¹ 6										
W 19	22 ¹³	10 ³⁴	11 ⁰¹ 2										
T 20	22 ⁴⁸	11 ⁰¹	11 ⁰⁰ 6										
F 21	23 ²⁴	11 ²⁷	11 ⁰⁰ 1										
S 22	23 ⁵⁹	11 ⁵⁴	10 ⁰⁵ 5										
S 23	24 ³⁴	12 ²⁰	10 ⁰⁴ 8										
M 24	25 ¹⁰	12 ⁴⁶	10 ⁰⁴ 1										
T 25	25 ⁴⁵	13 ¹²	10 ⁰³ 4										
W 26	26 ²⁰	13 ³⁸	10 ⁰² 6										
T 27	26 ⁵⁶	14 ⁰³	10 ⁰¹ 8										
F 28	27 ³¹	14 ²⁹	10 ⁰⁰ 9										
S 29	28 ⁰⁷	14 ⁵⁴	10 ⁰⁰ 0										
S 30	28 ⁰⁸ 42	15 ⁰⁰ 19	9 ⁰⁰ 51										

Delta T = 70.62 sec

ASTRODIENST EPHEMERIS for the year 2023

MAY 2023

00:00 UT

Day	Juno	Amor	Cupido										
M 1	29 ¹⁷	15 ⁴³	9 ^{R41}										
T 2	29 ⁵³	16 ⁸	9 ³¹										
W 3	0 ²⁸	16 ³²	9 ²⁰										
T 4	1 ⁴	16 ⁵⁶	9 ⁹										
F 5	1 ³⁹	17 ²⁰	8 ⁵⁸										
S 6	2 ¹⁵	17 ⁴⁴	8 ⁴⁶										
S 7	2 ⁵⁰	18 ⁷	8 ³⁴										
M 8	3 ²⁵	18 ³¹	8 ²²										
T 9	4 ¹	18 ⁵⁴	8 ⁹										
W10	4 ³⁶	19 ¹⁷	7 ⁵⁶										
T 11	5 ¹²	19 ³⁹	7 ⁴³										
F 12	5 ⁴⁷	20 ²	7 ²⁹										
S 13	6 ²²	20 ²⁴	7 ¹⁵										
S 14	6 ⁵⁸	20 ⁴⁶	7 ¹										
M15	7 ³³	21 ⁸	6 ⁴⁷										
T 16	8 ⁸	21 ³⁰	6 ³²										
W17	8 ⁴⁴	21 ⁵¹	6 ¹⁷										
T 18	9 ¹⁹	22 ¹²	6 ²										
F 19	9 ⁵⁴	22 ³³	5 ⁴⁷										
S 20	10 ³⁰	22 ⁵⁴	5 ³²										
S 21	11 ⁵	23 ¹⁴	5 ¹⁶										
M22	11 ⁴⁰	23 ³⁴	5 ¹										
T 23	12 ¹⁶	23 ⁵⁴	4 ⁴⁵										
W24	12 ⁵¹	24 ¹⁴	4 ²⁹										
T 25	13 ²⁶	24 ³⁴	4 ¹³										
F 26	14 ¹	24 ⁵³	3 ⁵⁷										
S 27	14 ³⁷	25 ¹²	3 ⁴¹										
S 28	15 ¹²	25 ³¹	3 ²⁶										
M29	15 ⁴⁷	25 ⁵⁰	3 ¹⁰										
T 30	16 ²²	26 ⁸	2 ⁵⁴										
W31	16 ⁵⁷	26 ²⁶	2 ³⁸										

Delta T = 70.66 sec

JUNE 2023

00:00 UT

Day	Juno	Amor	Cupido										
T 1	17 ³²	26 ⁴⁴	2 ^{R22}										
F 2	18 ⁷	27 ¹	2 ⁷										
S 3	18 ⁴²	27 ¹⁹	1 ⁵¹										
S 4	19 ¹⁷	27 ³⁶	1 ³⁶										
M 5	19 ⁵³	27 ⁵²	1 ²¹										
T 6	20 ²⁷	28 ⁹	1 ⁶										
W 7	21 ²	28 ²⁵	0 ⁵¹										
T 8	21 ³⁷	28 ⁴¹	0 ³⁶										
F 9	22 ¹²	28 ⁵⁷	0 ²²										
S 10	22 ⁴⁷	29 ¹²	0 ⁷										
S 11	23 ²²	29 ²⁷	29 ^{M53}										
M12	23 ⁵⁷	29 ⁴²	29 ⁴⁰										
T 13	24 ³²	29 ⁵⁶	29 ²⁶										
W14	25 ⁶	0 ^{V11}	29 ¹³										
T 15	25 ⁴¹	0 ²⁵	29 ⁰										
F 16	26 ¹⁶	0 ³⁸	28 ⁴⁸										
S 17	26 ⁵⁰	0 ⁵¹	28 ³⁵										
S 18	27 ²⁵	1 ⁴	28 ²⁴										
M19	28 ⁰	1 ¹⁷	28 ¹²										
T 20	28 ³⁴	1 ²⁹	28 ¹										
W21	29 ⁹	1 ⁴¹	27 ⁵⁰										
T 22	29 ⁴³	1 ⁵³	27 ⁴⁰										
F 23	0 ¹⁸	2 ⁴	27 ³⁰										
S 24	0 ⁵²	2 ¹⁵	27 ²⁰										
S 25	1 ²⁶	2 ²⁶	27 ¹¹										
M26	2 ¹	2 ³⁶	27 ³										
T 27	2 ³⁵	2 ⁴⁶	26 ⁵⁴										
W28	3 ⁹	2 ⁵⁶	26 ⁴⁷										
T 29	3 ⁴⁴	3 ⁵	26 ³⁹										
F 30	4 ¹⁸	3 ^{V14}	26 ^{M32}										

Delta T = 70.71 sec

ASTRODIENST EPHEMERIS for the year 2023

JULY 2023

00:00 UT

Day	Juno	Amor	Cupido										
S 1	4 2 52	3 Y 22	26°R26										
S 2	5°26	3°30	26 M 20										
M 3	6° 0	3°38	26°14										
T 4	6°34	3°45	26° 9										
W 5	7° 8	3°52	26° 4										
T 6	7°42	3°59	26° 0										
F 7	8°16	4° 5	25°56										
S 8	8°49	4°11	25°53										
S 9	9°23	4°16	25°50										
M10	9°57	4°21	25°48										
T 11	10°31	4°26	25°46										
W12	11° 4	4°30	25°44										
T 13	11°38	4°34	25°43										
F 14	12°11	4°37	25°43										
S 15	12°45	4°40	25°D42										
S 16	13°18	4°42	25°43										
M17	13°52	4°44	25°44										
T 18	14°25	4°45	25°45										
W19	14°58	4°46	25°46										
T 20	15°32	4°47	25°49										
F 21	16° 5	4°R47	25°51										
S 22	16°38	4°47	25°54										
S 23	17°11	4°46	25°57										
M24	17°44	4°44	26° 1										
T 25	18°17	4°43	26° 6										
W26	18°50	4°40	26°10										
T 27	19°23	4°37	26°15										
F 28	19°55	4°34	26°21										
S 29	20°28	4°30	26°27										
S 30	21° 1	4°26	26°33										
M31	21 2 33	4 Y 21	26 M 40										

Delta T = 70.75 sec

AUGUST 2023

00:00 UT

Day	Juno	Amor	Cupido										
T 1	22 2 6 6	4°R16	26 M 47										
W 2	22°38	4 Y 11	26°54										
T 3	23°11	4° 4	27° 2										
F 4	23°43	3°58	27°11										
S 5	24°15	3°50	27°19										
S 6	24°47	3°43	27°28										
M 7	25°20	3°35	27°37										
T 8	25°52	3°26	27°47										
W 9	26°24	3°17	27°57										
T 10	26°56	3° 7	28° 8										
F 11	27°27	2°57	28°18										
S 12	27°59	2°47	28°30										
S 13	28°31	2°35	28°41										
M14	29° 3	2°24	28°53										
T 15	29°34	2°12	29° 5										
W16	0 Q 6	2° 0	29°17										
T 17	0°37	1°47	29°30										
F 18	1° 9	1°33	29°43										
S 19	1°40	1°19	29°56										
S 20	2°11	1° 5	0 X 10										
M21	2°43	0°51	0°24										
T 22	3°14	0°36	0°38										
W23	3°45	0°20	0°53										
T 24	4°16	0° 4	1° 8										
F 25	4°46	29 X 48	1°23										
S 26	5°17	29°32	1°38										
S 27	5°48	29°15	1°54										
M28	6°19	28°58	2°10										
T 29	6°49	28°41	2°26										
W30	7°20	28°23	2°43										
T 31	7 Q 50	28 X 5	3 X 0										

Delta T = 70.79 sec

ASTRODIENST EPHEMERIS for the year 2023

SEPTEMBER 2023

00:00 UT

Day	Juno	Amor	Cupido										
F 1	8 Ω 20	27 $^{\circ}$ R47	3 \times 17										
S 2	8 $^{\circ}$ 50	27 \times 28	3 $^{\circ}$ 34										
S 3	9 $^{\circ}$ 21	27 $^{\circ}$ 9	3 $^{\circ}$ 51										
M 4	9 $^{\circ}$ 51	26 $^{\circ}$ 51	4 $^{\circ}$ 9										
T 5	10 $^{\circ}$ 21	26 $^{\circ}$ 31	4 $^{\circ}$ 27										
W 6	10 $^{\circ}$ 50	26 $^{\circ}$ 12	4 $^{\circ}$ 45										
T 7	11 $^{\circ}$ 20	25 $^{\circ}$ 53	5 $^{\circ}$ 4										
F 8	11 $^{\circ}$ 50	25 $^{\circ}$ 33	5 $^{\circ}$ 23										
S 9	12 $^{\circ}$ 20	25 $^{\circ}$ 14	5 $^{\circ}$ 42										
S 10	12 $^{\circ}$ 49	24 $^{\circ}$ 54	6 $^{\circ}$ 1										
M11	13 $^{\circ}$ 18	24 $^{\circ}$ 34	6 $^{\circ}$ 20										
T 12	13 $^{\circ}$ 48	24 $^{\circ}$ 15	6 $^{\circ}$ 40										
W13	14 $^{\circ}$ 17	23 $^{\circ}$ 55	7 $^{\circ}$ 0										
T 14	14 $^{\circ}$ 46	23 $^{\circ}$ 35	7 $^{\circ}$ 20										
F 15	15 $^{\circ}$ 15	23 $^{\circ}$ 15	7 $^{\circ}$ 40										
S 16	15 $^{\circ}$ 44	22 $^{\circ}$ 55	8 $^{\circ}$ 0										
S 17	16 $^{\circ}$ 13	22 $^{\circ}$ 36	8 $^{\circ}$ 21										
M18	16 $^{\circ}$ 42	22 $^{\circ}$ 16	8 $^{\circ}$ 42										
T 19	17 $^{\circ}$ 10	21 $^{\circ}$ 57	9 $^{\circ}$ 3										
W20	17 $^{\circ}$ 39	21 $^{\circ}$ 38	9 $^{\circ}$ 24										
T 21	18 $^{\circ}$ 7	21 $^{\circ}$ 18	9 $^{\circ}$ 46										
F 22	18 $^{\circ}$ 36	20 $^{\circ}$ 59	10 $^{\circ}$ 7										
S 23	19 $^{\circ}$ 4	20 $^{\circ}$ 41	10 $^{\circ}$ 29										
S 24	19 $^{\circ}$ 32	20 $^{\circ}$ 22	10 $^{\circ}$ 51										
M25	20 $^{\circ}$ 0	20 $^{\circ}$ 4	11 $^{\circ}$ 13										
T 26	20 $^{\circ}$ 28	19 $^{\circ}$ 46	11 $^{\circ}$ 36										
W27	20 $^{\circ}$ 56	19 $^{\circ}$ 28	11 $^{\circ}$ 58										
T 28	21 $^{\circ}$ 23	19 $^{\circ}$ 10	12 $^{\circ}$ 21										
F 29	21 $^{\circ}$ 51	18 $^{\circ}$ 53	12 $^{\circ}$ 44										
S 30	22 Ω 18	18 \times 36	13 \times 7										

Delta T = 70.83 sec

OCTOBER 2023

00:00 UT

Day	Juno	Amor	Cupido										
S 1	22 Ω 46	18 $^{\circ}$ R20	13 \times 30										
M 2	23 $^{\circ}$ 13	18 \times 3	13 $^{\circ}$ 54										
T 3	23 $^{\circ}$ 40	17 $^{\circ}$ 47	14 $^{\circ}$ 17										
W 4	24 $^{\circ}$ 7	17 $^{\circ}$ 32	14 $^{\circ}$ 41										
T 5	24 $^{\circ}$ 34	17 $^{\circ}$ 17	15 $^{\circ}$ 5										
F 6	25 $^{\circ}$ 1	17 $^{\circ}$ 2	15 $^{\circ}$ 29										
S 7	25 $^{\circ}$ 27	16 $^{\circ}$ 47	15 $^{\circ}$ 53										
S 8	25 $^{\circ}$ 54	16 $^{\circ}$ 33	16 $^{\circ}$ 17										
M 9	26 $^{\circ}$ 20	16 $^{\circ}$ 20	16 $^{\circ}$ 42										
T 10	26 $^{\circ}$ 46	16 $^{\circ}$ 6	17 $^{\circ}$ 7										
W11	27 $^{\circ}$ 12	15 $^{\circ}$ 54	17 $^{\circ}$ 31										
T 12	27 $^{\circ}$ 38	15 $^{\circ}$ 41	17 $^{\circ}$ 56										
F 13	28 $^{\circ}$ 4	15 $^{\circ}$ 29	18 $^{\circ}$ 22										
S 14	28 $^{\circ}$ 30	15 $^{\circ}$ 18	18 $^{\circ}$ 47										
S 15	28 $^{\circ}$ 55	15 $^{\circ}$ 7	19 $^{\circ}$ 12										
M16	29 $^{\circ}$ 21	14 $^{\circ}$ 56	19 $^{\circ}$ 38										
T 17	29 $^{\circ}$ 46	14 $^{\circ}$ 46	20 $^{\circ}$ 3										
W18	0 η 11	14 $^{\circ}$ 37	20 $^{\circ}$ 29										
T 19	0 $^{\circ}$ 36	14 $^{\circ}$ 28	20 $^{\circ}$ 55										
F 20	1 $^{\circ}$ 1	14 $^{\circ}$ 19	21 $^{\circ}$ 21										
S 21	1 $^{\circ}$ 25	14 $^{\circ}$ 11	21 $^{\circ}$ 47										
S 22	1 $^{\circ}$ 50	14 $^{\circ}$ 3	22 $^{\circ}$ 14										
M23	2 $^{\circ}$ 14	13 $^{\circ}$ 56	22 $^{\circ}$ 40										
T 24	2 $^{\circ}$ 38	13 $^{\circ}$ 49	23 $^{\circ}$ 7										
W25	3 $^{\circ}$ 3	13 $^{\circ}$ 43	23 $^{\circ}$ 34										
T 26	3 $^{\circ}$ 26	13 $^{\circ}$ 37	24 $^{\circ}$ 0										
F 27	3 $^{\circ}$ 50	13 $^{\circ}$ 31	24 $^{\circ}$ 27										
S 28	4 $^{\circ}$ 14	13 $^{\circ}$ 26	24 $^{\circ}$ 54										
S 29	4 $^{\circ}$ 37	13 $^{\circ}$ 22	25 $^{\circ}$ 22										
M30	5 $^{\circ}$ 0	13 $^{\circ}$ 18	25 $^{\circ}$ 49										
T 31	5 η 23	13 \times 14	26 \times 16										

Delta T = 70.87 sec

ASTRODIENST EPHEMERIS for the year 2023

NOVEMBER 2023

00:00 UT

Day	Juno	Amor	Cupido										
W 1	5 ^m 46	13°R11	26 ^x 44										
T 2	6° 9	13 ^x 8	27°12										
F 3	6°31	13° 6	27°39										
S 4	6°54	13° 4	28° 7										
S 5	7°16	13° 3	28°35										
M 6	7°38	13° 2	29° 3										
T 7	8° 0	13° 2	29°32										
W 8	8°21	13°D 1	29°59										
T 9	8°42	13° 2	0 ^z 28										
F 10	9° 4	13° 3	0°57										
S 11	9°25	13° 4	1°25										
S 12	9°45	13° 5	1°54										
M13	10° 6	13° 7	2°23										
T 14	10°26	13°10	2°52										
W15	10°46	13°12	3°21										
T 16	11° 6	13°15	3°50										
F 17	11°26	13°19	4°19										
S 18	11°45	13°23	4°49										
S 19	12° 5	13°27	5°18										
M20	12°24	13°32	5°48										
T 21	12°42	13°37	6°17										
W22	13° 1	13°42	6°47										
T 23	13°19	13°48	7°17										
F 24	13°37	13°54	7°47										
S 25	13°55	14° 0	8°17										
S 26	14°12	14° 7	8°47										
M27	14°30	14°14	9°17										
T 28	14°47	14°21	9°47										
W29	15° 3	14°29	10°17										
T 30	15 ^m 20	14 ^x 37	10 ^z 48										

Delta T = 70.92 sec

DECEMBER 2023

00:00 UT

Day	Juno	Amor	Cupido										
F 1	15 ^m 36	14 ^x 45	11 ^z 18										
S 2	15°52	14°54	11°49										
S 3	16° 8	15° 3	12°19										
M 4	16°23	15°12	12°50										
T 5	16°38	15°21	13°21										
W 6	16°53	15°31	13°52										
T 7	17° 7	15°41	14°22										
F 8	17°22	15°51	14°54										
S 9	17°36	16° 2	15°25										
S 10	17°49	16°13	15°56										
M11	18° 2	16°24	16°27										
T 12	18°15	16°35	16°58										
W13	18°28	16°47	17°30										
T 14	18°40	16°58	18° 1										
F 15	18°52	17°10	18°33										
S 16	19° 4	17°23	19° 4										
S 17	19°15	17°35	19°36										
M18	19°26	17°48	20° 8										
T 19	19°36	18° 1	20°40										
W20	19°46	18°14	21°12										
T 21	19°56	18°28	21°44										
F 22	20° 6	18°41	22°16										
S 23	20°15	18°55	22°48										
S 24	20°23	19° 9	23°20										
M25	20°32	19°23	23°52										
T 26	20°40	19°38	24°24										
W27	20°47	19°52	24°57										
T 28	20°54	20° 7	25°29										
F 29	21° 1	20°22	26° 1										
S 30	21° 8	20°37	26°34										
S 31	21 ^m 14	20 ^x 53	27 ^z 6										

Delta T = 70.96 sec

ASTRODIENST EPHEMERIS for the year 2024

JANUARY 2024

00:00 UT

Day	Juno	Amor	Cupido										
M 1	21 ^m 19	21 ^h 8	27 ^h 39										
T 2	21 ^o 24	21 ^o 24	28 ^o 12										
W 3	21 ^o 29	21 ^o 40	28 ^o 45										
T 4	21 ^o 33	21 ^o 56	29 ^o 17										
F 5	21 ^o 37	22 ^o 12	29 ^o 50										
S 6	21 ^o 41	22 ^o 28	0 ^h 23										
S 7	21 ^o 44	22 ^o 45	0 ^h 56										
M 8	21 ^o 46	23 ^o 1	1 ^h 29										
T 9	21 ^o 48	23 ^o 18	2 ^o 2										
W10	21 ^o 50	23 ^o 35	2 ^h 35										
T 11	21 ^o 51	23 ^o 52	3 ^o 9										
F 12	21 ^o 52	24 ^o 9	3 ^h 42										
S 13	21 ^o R52	24 ^h 27	4 ^h 15										
S 14	21 ^o 52	24 ^h 44	4 ^h 48										
M15	21 ^o 51	25 ^o 2	5 ^h 22										
T 16	21 ^o 50	25 ^h 20	5 ^h 55										
W17	21 ^o 49	25 ^h 38	6 ^h 29										
T 18	21 ^o 47	25 ^h 56	7 ^o 2										
F 19	21 ^o 45	26 ^h 14	7 ^h 36										
S 20	21 ^o 42	26 ^h 32	8 ^h 10										
S 21	21 ^o 38	26 ^h 51	8 ^h 43										
M22	21 ^o 35	27 ^o 9	9 ^h 17										
T 23	21 ^o 30	27 ^h 28	9 ^h 51										
W24	21 ^o 26	27 ^h 47	10 ^h 25										
T 25	21 ^o 21	28 ^o 5	10 ^h 58										
F 26	21 ^o 15	28 ^h 24	11 ^h 32										
S 27	21 ^o 9	28 ^h 43	12 ^o 6										
S 28	21 ^o 3	29 ^o 3	12 ^h 40										
M29	20 ^h 56	29 ^h 22	13 ^h 14										
T 30	20 ^h 48	29 ^h 41	13 ^h 48										
W31	20 ^m 41	0 ^h 1	14 ^h 22										

Delta T = 71.00 sec

FEBRUARY 2024

00:00 UT

Day	Juno	Amor	Cupido										
T 1	20 ^h R33	0 ^h 20	14 ^h 57										
F 2	20 ^m 24	0 ^h 40	15 ^h 31										
S 3	20 ^h 15	1 ^o 0	16 ^o 5										
S 4	20 ^o 6	1 ^h 20	16 ^h 39										
M 5	19 ^h 56	1 ^h 40	17 ^h 14										
T 6	19 ^h 46	2 ^o 0	17 ^h 48										
W 7	19 ^h 35	2 ^h 20	18 ^h 22										
T 8	19 ^h 24	2 ^h 40	18 ^h 57										
F 9	19 ^h 13	3 ^o 0	19 ^h 31										
S 10	19 ^o 2	3 ^h 21	20 ^o 6										
S 11	18 ^h 50	3 ^h 41	20 ^h 40										
M12	18 ^h 38	4 ^o 2	21 ^h 15										
T 13	18 ^h 25	4 ^h 22	21 ^h 49										
W14	18 ^h 12	4 ^h 43	22 ^h 24										
T 15	17 ^h 59	5 ^o 4	22 ^h 59										
F 16	17 ^h 46	5 ^h 24	23 ^h 33										
S 17	17 ^h 32	5 ^h 45	24 ^o 8										
S 18	17 ^h 18	6 ^o 6	24 ^h 43										
M19	17 ^o 4	6 ^h 27	25 ^h 18										
T 20	16 ^h 50	6 ^h 48	25 ^h 52										
W21	16 ^h 36	7 ^h 10	26 ^h 27										
T 22	16 ^h 21	7 ^h 31	27 ^o 2										
F 23	16 ^o 6	7 ^h 52	27 ^h 37										
S 24	15 ^h 52	8 ^h 13	28 ^h 12										
S 25	15 ^h 37	8 ^h 35	28 ^h 47										
M26	15 ^h 22	8 ^h 56	29 ^h 22										
T 27	15 ^o 7	9 ^h 18	29 ^h 57										
W28	14 ^h 51	9 ^h 39	0 ^h 32										
T 29	14 ^m 36	10 ^h 1	1 ^h 7										

Delta T = 71.04 sec

ASTRODIENST EPHEMERIS for the year 2024

MARCH 2024

00:00 UT

Day	Juno	Amor	Cupido										
F 1	14°R21	10°Y23	1°X42										
S 2	14°M 6	10°44	2°17										
S 3	13°50	11° 6	2°52										
M 4	13°35	11°28	3°27										
T 5	13°20	11°50	4° 2										
W 6	13° 5	12°12	4°38										
T 7	12°50	12°34	5°13										
F 8	12°35	12°56	5°48										
S 9	12°20	13°18	6°23										
S 10	12° 5	13°40	6°59										
M11	11°51	14° 2	7°34										
T 12	11°37	14°24	8° 9										
W13	11°22	14°47	8°44										
T 14	11° 8	15° 9	9°20										
F 15	10°55	15°31	9°55										
S 16	10°41	15°54	10°31										
S 17	10°28	16°16	11° 6										
M18	10°15	16°38	11°41										
T 19	10° 2	17° 1	12°17										
W20	9°50	17°23	12°52										
T 21	9°37	17°46	13°28										
F 22	9°26	18° 8	14° 3										
S 23	9°14	18°31	14°38										
S 24	9° 3	18°54	15°14										
M25	8°52	19°16	15°49										
T 26	8°41	19°39	16°25										
W27	8°31	20° 1	17° 0										
T 28	8°21	20°24	17°36										
F 29	8°11	20°47	18°11										
S 30	8° 2	21°10	18°47										
S 31	7°M53	21°Y33	19°X23										

Delta T = 71.08 sec

APRIL 2024

00:00 UT

Day	Juno	Amor	Cupido										
M 1	7°R45	21°Y55	19°X58										
T 2	7°M37	22°18	20°34										
W 3	7°29	22°41	21° 9										
T 4	7°22	23° 4	21°45										
F 5	7°15	23°27	22°20										
S 6	7° 8	23°50	22°56										
S 7	7° 2	24°13	23°32										
M 8	6°57	24°36	24° 7										
T 9	6°51	24°59	24°43										
W10	6°46	25°22	25°18										
T 11	6°42	25°45	25°54										
F 12	6°38	26° 8	26°30										
S 13	6°34	26°31	27° 5										
S 14	6°31	26°54	27°41										
M15	6°28	27°17	28°17										
T 16	6°25	27°40	28°52										
W17	6°23	28° 3	29°28										
T 18	6°21	28°27	0°Y 3										
F 19	6°20	28°50	0°39										
S 20	6°19	29°13	1°15										
S 21	6°18	29°36	1°50										
M22	6°D18	29°59	2°26										
T 23	6°18	0°X22	3° 1										
W24	6°19	0°46	3°37										
T 25	6°19	1° 9	4°12										
F 26	6°21	1°32	4°48										
S 27	6°22	1°55	5°23										
S 28	6°24	2°18	5°59										
M29	6°27	2°42	6°35										
T 30	6°M29	3°X 5	7°Y10										

Delta T = 71.12 sec

ASTRODIENST EPHEMERIS for the year 2024

MAY 2024

00:00 UT

Day	Juno	Amor	Cupido										
W 1	6 ^m 32	3 ^h 28	7 ^h 46										
T 2	6 ^o 36	3 ^o 51	8 ^o 21										
F 3	6 ^o 39	4 ^o 15	8 ^o 57										
S 4	6 ^o 43	4 ^o 38	9 ^o 32										
S 5	6 ^o 48	5 ^o 1	10 ^o 8										
M 6	6 ^o 52	5 ^o 25	10 ^o 43										
T 7	6 ^o 57	5 ^o 48	11 ^o 18										
W 8	7 ^o 3	6 ^o 11	11 ^o 54										
T 9	7 ^o 8	6 ^o 34	12 ^o 29										
F 10	7 ^o 14	6 ^o 58	13 ^o 5										
S 11	7 ^o 21	7 ^o 21	13 ^o 40										
S 12	7 ^o 27	7 ^o 44	14 ^o 15										
M13	7 ^o 34	8 ^o 8	14 ^o 51										
T 14	7 ^o 41	8 ^o 31	15 ^o 26										
W15	7 ^o 49	8 ^o 54	16 ^o 1										
T 16	7 ^o 56	9 ^o 17	16 ^o 37										
F 17	8 ^o 4	9 ^o 41	17 ^o 12										
S 18	8 ^o 13	10 ^o 4	17 ^o 47										
S 19	8 ^o 21	10 ^o 27	18 ^o 22										
M20	8 ^o 30	10 ^o 50	18 ^o 57										
T 21	8 ^o 39	11 ^o 14	19 ^o 33										
W22	8 ^o 48	11 ^o 37	20 ^o 8										
T 23	8 ^o 58	12 ^o 0	20 ^o 43										
F 24	9 ^o 8	12 ^o 23	21 ^o 18										
S 25	9 ^o 18	12 ^o 47	21 ^o 53										
S 26	9 ^o 28	13 ^o 10	22 ^o 28										
M27	9 ^o 39	13 ^o 33	23 ^o 3										
T 28	9 ^o 49	13 ^o 56	23 ^o 38										
W29	10 ^o 0	14 ^o 19	24 ^o 13										
T 30	10 ^o 11	14 ^o 43	24 ^o 48										
F 31	10 ^m 23	15 ^h 6	25 ^h 23										

Delta T = 71.17 sec

JUNE 2024

00:00 UT

Day	Juno	Amor	Cupido										
S 1	10 ^m 34	15 ^h 29	25 ^h 57										
S 2	10 ^o 46	15 ^o 52	26 ^o 32										
M 3	10 ^o 58	16 ^o 15	27 ^o 7										
T 4	11 ^o 11	16 ^o 38	27 ^o 42										
W 5	11 ^o 23	17 ^o 2	28 ^o 16										
T 6	11 ^o 36	17 ^o 25	28 ^o 51										
F 7	11 ^o 49	17 ^o 48	29 ^o 26										
S 8	12 ^o 2	18 ^o 11	0 ^h 0										
S 9	12 ^o 15	18 ^o 34	0 ^h 35										
M10	12 ^o 28	18 ^o 57	1 ^o 9										
T 11	12 ^o 42	19 ^o 20	1 ^o 44										
W12	12 ^o 56	19 ^o 43	2 ^o 18										
T 13	13 ^o 9	20 ^o 6	2 ^o 52										
F 14	13 ^o 24	20 ^o 29	3 ^o 27										
S 15	13 ^o 38	20 ^o 52	4 ^o 1										
S 16	13 ^o 52	21 ^o 15	4 ^o 35										
M17	14 ^o 7	21 ^o 38	5 ^o 9										
T 18	14 ^o 22	22 ^o 1	5 ^o 43										
W19	14 ^o 37	22 ^o 24	6 ^o 17										
T 20	14 ^o 52	22 ^o 46	6 ^o 51										
F 21	15 ^o 7	23 ^o 9	7 ^o 25										
S 22	15 ^o 22	23 ^o 32	7 ^o 59										
S 23	15 ^o 38	23 ^o 55	8 ^o 33										
M24	15 ^o 53	24 ^o 18	9 ^o 7										
T 25	16 ^o 9	24 ^o 40	9 ^o 40										
W26	16 ^o 25	25 ^o 3	10 ^o 14										
T 27	16 ^o 41	25 ^o 26	10 ^o 47										
F 28	16 ^o 57	25 ^o 48	11 ^o 21										
S 29	17 ^o 13	26 ^o 11	11 ^o 54										
S 30	17 ^m 30	26 ^h 34	12 ^h 28										

Delta T = 71.21 sec

ASTRODIENST EPHEMERIS for the year 2024

JULY 2024

00:00 UT

Day	Juno	Amor	Cupido										
M 1	17 ^m 46	26 ^o 56	13 ^o 1										
T 2	18 ^o 3	27 ^o 19	13 ^o 34										
W 3	18 ^o 20	27 ^o 41	14 ^o 7										
T 4	18 ^o 37	28 ^o 4	14 ^o 41										
F 5	18 ^o 54	28 ^o 26	15 ^o 14										
S 6	19 ^o 11	28 ^o 49	15 ^o 46										
S 7	19 ^o 28	29 ^o 11	16 ^o 19										
M 8	19 ^o 45	29 ^o 33	16 ^o 52										
T 9	20 ^o 3	29 ^o 56	17 ^o 25										
W10	20 ^o 20	0 ^o 18	17 ^o 57										
T 11	20 ^o 38	0 ^o 40	18 ^o 30										
F 12	20 ^o 56	1 ^o 2	19 ^o 2										
S 13	21 ^o 14	1 ^o 24	19 ^o 35										
S 14	21 ^o 32	1 ^o 46	20 ^o 7										
M15	21 ^o 50	2 ^o 8	20 ^o 39										
T 16	22 ^o 8	2 ^o 30	21 ^o 11										
W17	22 ^o 26	2 ^o 52	21 ^o 43										
T 18	22 ^o 44	3 ^o 14	22 ^o 15										
F 19	23 ^o 3	3 ^o 36	22 ^o 47										
S 20	23 ^o 21	3 ^o 58	23 ^o 19										
S 21	23 ^o 40	4 ^o 20	23 ^o 50										
M22	23 ^o 58	4 ^o 41	24 ^o 22										
T 23	24 ^o 17	5 ^o 3	24 ^o 53										
W24	24 ^o 36	5 ^o 25	25 ^o 24										
T 25	24 ^o 55	5 ^o 46	25 ^o 56										
F 26	25 ^o 14	6 ^o 8	26 ^o 27										
S 27	25 ^o 33	6 ^o 29	26 ^o 58										
S 28	25 ^o 52	6 ^o 51	27 ^o 28										
M29	26 ^o 11	7 ^o 12	27 ^o 59										
T 30	26 ^o 30	7 ^o 33	28 ^o 30										
W31	26 ^m 50	7 ^o 54	29 ^o 0										

Delta T = 71.25 sec

AUGUST 2024

00:00 UT

Day	Juno	Amor	Cupido										
T 1	27 ^m 9	8 ^o 16	29 ^o 31										
F 2	27 ^o 28	8 ^o 37	0 ^o 1										
S 3	27 ^o 48	8 ^o 58	0 ^o 31										
S 4	28 ^o 7	9 ^o 19	1 ^o 1										
M 5	28 ^o 27	9 ^o 39	1 ^o 31										
T 6	28 ^o 47	10 ^o 0	2 ^o 0										
W 7	29 ^o 7	10 ^o 21	2 ^o 30										
T 8	29 ^o 26	10 ^o 41	2 ^o 59										
F 9	29 ^o 46	11 ^o 2	3 ^o 29										
S 10	0 ^o 6	11 ^o 22	3 ^o 58										
S 11	0 ^o 26	11 ^o 43	4 ^o 27										
M12	0 ^o 46	12 ^o 3	4 ^o 55										
T 13	1 ^o 6	12 ^o 23	5 ^o 24										
W14	1 ^o 26	12 ^o 43	5 ^o 53										
T 15	1 ^o 47	13 ^o 3	6 ^o 21										
F 16	2 ^o 7	13 ^o 23	6 ^o 49										
S 17	2 ^o 27	13 ^o 43	7 ^o 17										
S 18	2 ^o 47	14 ^o 3	7 ^o 45										
M19	3 ^o 8	14 ^o 23	8 ^o 12										
T 20	3 ^o 28	14 ^o 42	8 ^o 40										
W21	3 ^o 49	15 ^o 2	9 ^o 7										
T 22	4 ^o 9	15 ^o 21	9 ^o 34										
F 23	4 ^o 30	15 ^o 40	10 ^o 1										
S 24	4 ^o 50	15 ^o 59	10 ^o 28										
S 25	5 ^o 11	16 ^o 18	10 ^o 54										
M26	5 ^o 31	16 ^o 37	11 ^o 21										
T 27	5 ^o 52	16 ^o 56	11 ^o 47										
W28	6 ^o 13	17 ^o 15	12 ^o 13										
T 29	6 ^o 34	17 ^o 33	12 ^o 38										
F 30	6 ^o 54	17 ^o 51	13 ^o 4										
S 31	7 ^o 15	18 ^o 10	13 ^o 29										

Delta T = 71.29 sec

ASTRODIENST EPHEMERIS for the year 2024

SEPTEMBER 2024

00:00 UT

Day	Juno	Amor	Cupido										
S 1	7 ^h 36	18 ^h 28	13 ^h 54										
M 2	7 ^h 57	18 ^h 46	14 ^h 19										
T 3	8 ^h 18	19 ^h 4	14 ^h 44										
W 4	8 ^h 39	19 ^h 21	15 ^h 8										
T 5	9 ^h 0	19 ^h 39	15 ^h 32										
F 6	9 ^h 21	19 ^h 56	15 ^h 56										
S 7	9 ^h 42	20 ^h 13	16 ^h 19										
S 8	10 ^h 3	20 ^h 30	16 ^h 43										
M 9	10 ^h 24	20 ^h 47	17 ^h 6										
T 10	10 ^h 45	21 ^h 4	17 ^h 29										
W 11	11 ^h 6	21 ^h 21	17 ^h 51										
T 12	11 ^h 27	21 ^h 37	18 ^h 13										
F 13	11 ^h 48	21 ^h 53	18 ^h 35										
S 14	12 ^h 9	22 ^h 9	18 ^h 57										
S 15	12 ^h 31	22 ^h 25	19 ^h 18										
M 16	12 ^h 52	22 ^h 41	19 ^h 39										
T 17	13 ^h 13	22 ^h 56	20 ^h 0										
W 18	13 ^h 34	23 ^h 11	20 ^h 21										
T 19	13 ^h 55	23 ^h 26	20 ^h 41										
F 20	14 ^h 17	23 ^h 41	21 ^h 1										
S 21	14 ^h 38	23 ^h 56	21 ^h 20										
S 22	14 ^h 59	24 ^h 10	21 ^h 39										
M 23	15 ^h 21	24 ^h 24	21 ^h 58										
T 24	15 ^h 42	24 ^h 38	22 ^h 16										
W 25	16 ^h 3	24 ^h 52	22 ^h 35										
T 26	16 ^h 24	25 ^h 5	22 ^h 52										
F 27	16 ^h 46	25 ^h 18	23 ^h 10										
S 28	17 ^h 7	25 ^h 31	23 ^h 27										
S 29	17 ^h 29	25 ^h 44	23 ^h 43										
M 30	17 ^h 50	25 ^h 56	24 ^h 0										

Delta T = 71.33 sec

OCTOBER 2024

00:00 UT

Day	Juno	Amor	Cupido										
T 1	18 ^h 11	26 ^h 8	24 ^h 15										
W 2	18 ^h 33	26 ^h 20	24 ^h 31										
T 3	18 ^h 54	26 ^h 31	24 ^h 46										
F 4	19 ^h 15	26 ^h 43	25 ^h 1										
S 5	19 ^h 37	26 ^h 53	25 ^h 15										
S 6	19 ^h 58	27 ^h 4	25 ^h 28										
M 7	20 ^h 19	27 ^h 14	25 ^h 42										
T 8	20 ^h 41	27 ^h 24	25 ^h 55										
W 9	21 ^h 2	27 ^h 34	26 ^h 7										
T 10	21 ^h 24	27 ^h 43	26 ^h 19										
F 11	21 ^h 45	27 ^h 52	26 ^h 30										
S 12	22 ^h 6	28 ^h 0	26 ^h 41										
S 13	22 ^h 28	28 ^h 8	26 ^h 52										
M 14	22 ^h 49	28 ^h 16	27 ^h 2										
T 15	23 ^h 10	28 ^h 23	27 ^h 11										
W 16	23 ^h 32	28 ^h 30	27 ^h 20										
T 17	23 ^h 53	28 ^h 37	27 ^h 29										
F 18	24 ^h 14	28 ^h 43	27 ^h 37										
S 19	24 ^h 35	28 ^h 49	27 ^h 45										
S 20	24 ^h 57	28 ^h 54	27 ^h 52										
M 21	25 ^h 18	28 ^h 59	27 ^h 58										
T 22	25 ^h 39	29 ^h 4	28 ^h 4										
W 23	26 ^h 0	29 ^h 8	28 ^h 9										
T 24	26 ^h 22	29 ^h 11	28 ^h 14										
F 25	26 ^h 43	29 ^h 14	28 ^h 18										
S 26	27 ^h 4	29 ^h 17	28 ^h 22										
S 27	27 ^h 25	29 ^h 19	28 ^h 25										
M 28	27 ^h 46	29 ^h 20	28 ^h 27										
T 29	28 ^h 7	29 ^h 21	28 ^h 29										
W 30	28 ^h 28	29 ^h R22	28 ^h 31										
T 31	28 ^h 49	29 ^h II21	28 ^h II31										

Delta T = 71.38 sec

ASTRODIENST EPHEMERIS for the year 2024

NOVEMBER 2024

00:00 UT

Day	Juno	Amor	Cupido										
F 1	29 ^Ω 10	29°R21	28°R32										
S 2	29°32	29 ^{II} 20	28 ^{II} 31										
S 3	29°52	29°18	28°30										
M 4	0 ^{III} 13	29°16	28°28										
T 5	0°34	29°13	28°26										
W 6	0°55	29° 9	28°23										
T 7	1°16	29° 5	28°20										
F 8	1°37	29° 0	28°16										
S 9	1°58	28°55	28°11										
S 10	2°19	28°49	28° 6										
M 11	2°39	28°43	28° 0										
T 12	3° 0	28°36	27°54										
W 13	3°21	28°28	27°47										
T 14	3°41	28°19	27°40										
F 15	4° 2	28°10	27°32										
S 16	4°22	28° 0	27°23										
S 17	4°43	27°50	27°14										
M 18	5° 3	27°39	27° 4										
T 19	5°24	27°27	26°54										
W 20	5°44	27°15	26°44										
T 21	6° 4	27° 2	26°33										
F 22	6°25	26°48	26°21										
S 23	6°45	26°34	26° 9										
S 24	7° 5	26°19	25°56										
M 25	7°25	26° 4	25°44										
T 26	7°45	25°48	25°30										
W 27	8° 5	25°31	25°16										
T 28	8°25	25°13	25° 2										
F 29	8°45	24°55	24°48										
S 30	9 ^{III} 5	24 ^{II} 37	24 ^{II} 33										

Delta T = 71.42 sec

DECEMBER 2024

00:00 UT

Day	Juno	Amor	Cupido										
S 1	9 ^{III} 25	24°R17	24°R18										
M 2	9°44	23 ^{II} 58	24 ^{II} 3										
T 3	10° 4	23°37	23°47										
W 4	10°24	23°17	23°32										
T 5	10°43	22°55	23°16										
F 6	11° 3	22°34	23° 0										
S 7	11°22	22°11	22°44										
S 8	11°41	21°49	22°27										
M 9	12° 1	21°26	22°11										
T 10	12°20	21° 3	21°55										
W 11	12°39	20°39	21°38										
T 12	12°58	20°15	21°22										
F 13	13°17	19°51	21° 5										
S 14	13°36	19°27	20°49										
S 15	13°54	19° 2	20°33										
M 16	14°13	18°37	20°17										
T 17	14°32	18°13	20° 1										
W 18	14°50	17°48	19°45										
T 19	15° 9	17°23	19°30										
F 20	15°27	16°58	19°14										
S 21	15°45	16°33	18°59										
S 22	16° 3	16° 8	18°44										
M 23	16°21	15°44	18°30										
T 24	16°39	15°19	18°16										
W 25	16°57	14°55	18° 2										
T 26	17°15	14°31	17°48										
F 27	17°33	14° 7	17°35										
S 28	17°50	13°43	17°22										
S 29	18° 8	13°20	17°10										
M 30	18°25	12°57	16°58										
T 31	18 ^{III} 42	12 ^{II} 35	16 ^{II} 47										

Delta T = 71.46 sec

ASTRODIENST EPHEMERIS for the year 2025

JANUARY 2025

00:00 UT

Day	Juno	Amor	Cupido										
W 1	18 ^m 59	12°R13	16°R36										
T 2	19°16	11 ^{II} 52	16 ^{II} 25										
F 3	19°33	11°31	16°15										
S 4	19°50	11°11	16° 5										
S 5	20° 7	10°51	15°56										
M 6	20°23	10°32	15°48										
T 7	20°40	10°13	15°40										
W 8	20°56	9°56	15°32										
T 9	21°12	9°38	15°26										
F 10	21°28	9°22	15°19										
S 11	21°44	9° 6	15°13										
S 12	22° 0	8°51	15° 8										
M13	22°15	8°37	15° 3										
T 14	22°31	8°24	14°59										
W15	22°46	8°11	14°55										
T 16	23° 1	7°59	14°52										
F 17	23°16	7°48	14°49										
S 18	23°31	7°37	14°47										
S 19	23°46	7°28	14°46										
M20	24° 0	7°19	14°45										
T 21	24°15	7°11	14°D44										
W22	24°29	7° 4	14°44										
T 23	24°43	6°57	14°45										
F 24	24°57	6°52	14°46										
S 25	25°11	6°47	14°48										
S 26	25°24	6°43	14°50										
M27	25°38	6°40	14°53										
T 28	25°51	6°37	14°56										
W29	26° 4	6°36	14°59										
T 30	26°17	6°D35	15° 3										
F 31	26 ^m 29	6 ^{II} 35	15 ^{II} 8										

Delta T = 71.50 sec

FEBRUARY 2025

00:00 UT

Day	Juno	Amor	Cupido										
S 1	26 ^m 42	6 ^{II} 36	15 ^{II} 13										
S 2	26°54	6°38	15°19										
M 3	27° 6	6°40	15°25										
T 4	27°18	6°43	15°31										
W 5	27°30	6°47	15°38										
T 6	27°41	6°52	15°46										
F 7	27°53	6°57	15°54										
S 8	28° 4	7° 3	16° 2										
S 9	28°14	7°10	16°11										
M10	28°25	7°18	16°20										
T 11	28°36	7°26	16°30										
W12	28°46	7°35	16°39										
T 13	28°56	7°45	16°50										
F 14	29° 5	7°55	17° 1										
S 15	29°15	8° 6	17°12										
S 16	29°24	8°18	17°23										
M17	29°33	8°30	17°35										
T 18	29°42	8°43	17°47										
W19	29°51	8°57	18° 0										
T 20	29°59	9°11	18°13										
F 21	0 ^m 7	9°26	18°26										
S 22	0°15	9°41	18°39										
S 23	0°22	9°57	18°53										
M24	0°29	10°14	19° 7										
T 25	0°36	10°31	19°22										
W26	0°43	10°49	19°37										
T 27	0°50	11° 7	19°52										
F 28	0 ^m 56	11 ^{II} 26	20 ^{II} 7										

Delta T = 71.54 sec

ASTRODIENST EPHEMERIS for the year 2025

MARCH 2025

00:00 UT

Day	Juno	Amor	Cupido										
S 1	1 [♂] 2	11 [♂] 46	20 [♂] 23										
S 2	1° 7	12° 6	20°39										
M 3	1°13	12°27	20°55										
T 4	1°18	12°48	21°12										
W 5	1°22	13°10	21°29										
T 6	1°27	13°32	21°46										
F 7	1°31	13°55	22° 3										
S 8	1°35	14°18	22°21										
S 9	1°38	14°42	22°38										
M10	1°42	15° 6	22°56										
T 11	1°45	15°31	23°15										
W12	1°47	15°56	23°33										
T 13	1°50	16°22	23°52										
F 14	1°52	16°48	24°11										
S 15	1°53	17°15	24°30										
S 16	1°55	17°42	24°49										
M17	1°56	18° 9	25° 9										
T 18	1°56	18°37	25°28										
W19	1°57	19° 6	25°48										
T 20	1°R57	19°35	26° 8										
F 21	1°57	20° 4	26°29										
S 22	1°56	20°34	26°49										
S 23	1°55	21° 4	27°10										
M24	1°54	21°35	27°31										
T 25	1°52	22° 6	27°52										
W26	1°50	22°37	28°13										
T 27	1°48	23° 9	28°34										
F 28	1°46	23°42	28°55										
S 29	1°43	24°14	29°17										
S 30	1°39	24°47	29°39										
M31	1 [♂] 36	25 [♂] 21	0 [♂] 1										

Delta T = 71.58 sec

APRIL 2025

00:00 UT

Day	Juno	Amor	Cupido										
T 1	1°R32	25 [♂] 55	0 [♂] 23										
W 2	1 [♂] 28	26°29	0°45										
T 3	1°23	27° 4	1° 7										
F 4	1°18	27°39	1°30										
S 5	1°13	28°15	1°52										
S 6	1° 7	28°51	2°15										
M 7	1° 1	29°27	2°38										
T 8	0°55	0 [♂] 4	3° 1										
W 9	0°48	0°41	3°24										
T 10	0°41	1°18	3°47										
F 11	0°34	1°56	4°11										
S 12	0°27	2°34	4°34										
S 13	0°19	3°13	4°57										
M14	0°11	3°52	5°21										
T 15	0° 2	4°31	5°45										
W16	29 [♂] 54	5°10	6° 9										
T 17	29°45	5°50	6°33										
F 18	29°35	6°31	6°57										
S 19	29°26	7°11	7°21										
S 20	29°16	7°53	7°45										
M21	29° 6	8°34	8° 9										
T 22	28°55	9°16	8°34										
W23	28°45	9°58	8°58										
T 24	28°34	10°40	9°23										
F 25	28°23	11°23	9°47										
S 26	28°12	12° 6	10°12										
S 27	28° 0	12°50	10°37										
M28	27°48	13°34	11° 2										
T 29	27°36	14°18	11°27										
W30	27 [♂] 24	15 [♂] 3	11 [♂] 52										

Delta T = 71.62 sec

ASTRODIENST EPHEMERIS for the year 2025

MAY 2025

00:00 UT

Day	Juno	Amor	Cupido										
T 1	27°R12	15°48	12°17										
F 2	27°M 0	16°33	12°42										
S 3	26°47	17°19	13° 7										
S 4	26°34	18° 5	13°32										
M 5	26°21	18°51	13°58										
T 6	26° 8	19°38	14°23										
W 7	25°55	20°25	14°49										
T 8	25°42	21°12	15°14										
F 9	25°29	22° 0	15°40										
S 10	25°16	22°48	16° 5										
S 11	25° 2	23°36	16°31										
M12	24°49	24°25	16°57										
T 13	24°35	25°14	17°23										
W14	24°22	26° 3	17°48										
T 15	24° 8	26°53	18°14										
F 16	23°55	27°43	18°40										
S 17	23°41	28°33	19° 6										
S 18	23°28	29°24	19°32										
M19	23°14	0°15	19°58										
T 20	23° 1	1° 6	20°24										
W21	22°47	1°58	20°51										
T 22	22°34	2°50	21°17										
F 23	22°21	3°42	21°43										
S 24	22° 8	4°35	22° 9										
S 25	21°55	5°28	22°36										
M26	21°42	6°21	23° 2										
T 27	21°29	7°15	23°28										
W28	21°17	8° 8	23°55										
T 29	21° 4	9° 3	24°21										
F 30	20°52	9°57	24°48										
S 31	20°M.40	10°L52	25°L14										

Delta T = 71.67 sec

JUNE 2025

00:00 UT

Day	Juno	Amor	Cupido										
S 1	20°R28	11°L47	25°L41										
M 2	20°M.16	12°43	26° 7										
T 3	20° 5	13°39	26°34										
W 4	19°53	14°35	27° 1										
T 5	19°42	15°31	27°27										
F 6	19°31	16°28	27°54										
S 7	19°21	17°25	28°21										
S 8	19°10	18°22	28°48										
M 9	19° 0	19°20	29°14										
T 10	18°50	20°18	29°41										
W11	18°41	21°16	0° 8										
T 12	18°31	22°14	0°35										
F 13	18°22	23°13	1° 2										
S 14	18°14	24°12	1°28										
S 15	18° 5	25°11	1°55										
M16	17°57	26°11	2°22										
T 17	17°49	27°10	2°49										
W18	17°41	28°10	3°16										
T 19	17°34	29°11	3°43										
F 20	17°27	0°M.11	4°10										
S 21	17°20	1°12	4°37										
S 22	17°14	2°13	5° 4										
M23	17° 8	3°14	5°31										
T 24	17° 2	4°16	5°58										
W25	16°57	5°18	6°25										
T 26	16°52	6°20	6°52										
F 27	16°47	7°22	7°19										
S 28	16°42	8°24	7°46										
S 29	16°38	9°27	8°14										
M30	16°M.35	10°M.29	8°L41										

Delta T = 71.71 sec

ASTRODIENST EPHEMERIS for the year 2025

JULY 2025

00:00 UT

Day	Juno	Amor	Cupido										
T 1	16°R31	11 ^m 32	9 ^Ω 8										
W 2	16 ^m 28	12°35	9°35										
T 3	16°25	13°39	10° 2										
F 4	16°23	14°42	10°29										
S 5	16°21	15°46	10°56										
S 6	16°19	16°49	11°24										
M 7	16°17	17°53	11°51										
T 8	16°16	18°57	12°18										
W 9	16°15	20° 1	12°45										
T 10	16°15	21° 6	13°12										
F 11	16°D15	22°10	13°39										
S 12	16°15	23°14	14° 7										
S 13	16°15	24°19	14°34										
M14	16°16	25°23	15° 1										
T 15	16°17	26°28	15°28										
W16	16°18	27°32	15°55										
T 17	16°20	28°37	16°23										
F 18	16°22	29°41	16°50										
S 19	16°24	0 ^m 46	17°17										
S 20	16°27	1°51	17°44										
M21	16°29	2°55	18°12										
T 22	16°33	4° 0	18°39										
W23	16°36	5° 5	19° 6										
T 24	16°40	6° 9	19°33										
F 25	16°44	7°14	20° 0										
S 26	16°48	8°18	20°28										
S 27	16°53	9°23	20°55										
M28	16°58	10°27	21°22										
T 29	17° 3	11°31	21°49										
W30	17° 8	12°35	22°16										
T 31	17 ^m 14	13 ^m 39	22 ^Ω 44										

Delta T = 71.75 sec

AUGUST 2025

00:00 UT

Day	Juno	Amor	Cupido										
F 1	17 ^m 20	14 ^m 43	23 ^Ω 11										
S 2	17°26	15°47	23°38										
S 3	17°33	16°50	24° 5										
M 4	17°39	17°54	24°32										
T 5	17°46	18°57	25° 0										
W 6	17°54	20° 0	25°27										
T 7	18° 1	21° 3	25°54										
F 8	18° 9	22° 5	26°21										
S 9	18°17	23° 8	26°48										
S 10	18°25	24°10	27°15										
M11	18°34	25°12	27°42										
T 12	18°42	26°14	28°10										
W13	18°51	27°15	28°37										
T 14	19° 0	28°17	29° 4										
F 15	19°10	29°18	29°31										
S 16	19°19	0 ^m 19	29°58										
S 17	19°29	1°19	0 ^m 25										
M18	19°39	2°19	0°52										
T 19	19°49	3°19	1°19										
W20	20° 0	4°19	1°46										
T 21	20°11	5°19	2°13										
F 22	20°21	6°18	2°40										
S 23	20°33	7°17	3° 7										
S 24	20°44	8°15	3°34										
M25	20°55	9°14	4° 1										
T 26	21° 7	10°12	4°28										
W27	21°19	11° 9	4°55										
T 28	21°31	12° 7	5°22										
F 29	21°43	13° 4	5°49										
S 30	21°55	14° 1	6°16										
S 31	22 ^m 8	14 ^m 57	6 ^m 43										

Delta T = 71.79 sec

ASTRODIENST EPHEMERIS for the year 2025

SEPTEMBER 2025

00:00 UT

Day	Juno	Amor	Cupido										
M 1	22 ^m 21	15 ^m 53	7 ^m 9										
T 2	22°34	16°49	7°36										
W 3	22°47	17°44	8° 3										
T 4	23° 0	18°40	8°30										
F 5	23°14	19°34	8°57										
S 6	23°27	20°29	9°23										
S 7	23°41	21°23	9°50										
M 8	23°55	22°17	10°17										
T 9	24° 9	23°10	10°43										
W10	24°23	24° 4	11°10										
T 11	24°38	24°57	11°37										
F 12	24°52	25°49	12° 3										
S 13	25° 7	26°41	12°30										
S 14	25°22	27°33	12°57										
M15	25°37	28°25	13°23										
T 16	25°52	29°16	13°50										
W17	26° 7	0 ^m 7	14°16										
T 18	26°22	0°58	14°43										
F 19	26°38	1°48	15° 9										
S 20	26°54	2°38	15°35										
S 21	27° 9	3°28	16° 2										
M22	27°25	4°18	16°28										
T 23	27°41	5° 7	16°55										
W24	27°58	5°56	17°21										
T 25	28°14	6°44	17°47										
F 26	28°30	7°33	18°13										
S 27	28°47	8°21	18°40										
S 28	29° 4	9° 8	19° 6										
M29	29°20	9°56	19°32										
T 30	29 ^m 37	10 ^m 43	19 ^m 58										

Delta T = 71.83 sec

OCTOBER 2025

00:00 UT

Day	Juno	Amor	Cupido										
W 1	29 ^m 54	11 ^m 30	20 ^m 24										
T 2	0 ^m 11	12°17	20°50										
F 3	0°29	13° 3	21°16										
S 4	0°46	13°49	21°42										
S 5	1° 4	14°35	22° 8										
M 6	1°21	15°20	22°34										
T 7	1°39	16° 5	23° 0										
W 8	1°56	16°50	23°25										
T 9	2°14	17°35	23°51										
F 10	2°32	18°20	24°17										
S 11	2°50	19° 4	24°43										
S 12	3° 8	19°48	25° 8										
M13	3°27	20°32	25°34										
T 14	3°45	21°15	25°59										
W15	4° 3	21°58	26°25										
T 16	4°22	22°41	26°50										
F 17	4°40	23°24	27°16										
S 18	4°59	24° 7	27°41										
S 19	5°18	24°49	28° 6										
M20	5°37	25°31	28°32										
T 21	5°56	26°13	28°57										
W22	6°15	26°55	29°22										
T 23	6°34	27°36	29°47										
F 24	6°53	28°18	0 ^m 12										
S 25	7°12	28°59	0°37										
S 26	7°32	29°40	1° 2										
M27	7°51	0 ^m 20	1°27										
T 28	8°10	1° 1	1°52										
W29	8°30	1°41	2°17										
T 30	8°49	2°21	2°41										
F 31	9 ^m 9	3 ^m 1	3 ^m 6										

Delta T = 71.87 sec

ASTRODIENST EPHEMERIS for the year 2025

NOVEMBER 2025

00:00 UT

Day	Juno	Amor	Cupido										
S 1	9 ^h 29	3 ^h 41	3 ^h 30										
S 2	9 ^h 49	4 ^h 21	3 ^h 55										
M 3	10 ^h 9	5 ^h 0	4 ^h 19										
T 4	10 ^h 28	5 ^h 39	4 ^h 44										
W 5	10 ^h 48	6 ^h 18	5 ^h 8										
T 6	11 ^h 8	6 ^h 57	5 ^h 32										
F 7	11 ^h 29	7 ^h 35	5 ^h 56										
S 8	11 ^h 49	8 ^h 14	6 ^h 20										
S 9	12 ^h 9	8 ^h 52	6 ^h 44										
M10	12 ^h 29	9 ^h 30	7 ^h 8										
T 11	12 ^h 49	10 ^h 8	7 ^h 32										
W12	13 ^h 10	10 ^h 46	7 ^h 56										
T 13	13 ^h 30	11 ^h 24	8 ^h 20										
F 14	13 ^h 51	12 ^h 1	8 ^h 43										
S 15	14 ^h 11	12 ^h 39	9 ^h 7										
S 16	14 ^h 32	13 ^h 16	9 ^h 30										
M17	14 ^h 52	13 ^h 53	9 ^h 54										
T 18	15 ^h 13	14 ^h 30	10 ^h 17										
W19	15 ^h 34	15 ^h 7	10 ^h 40										
T 20	15 ^h 55	15 ^h 43	11 ^h 3										
F 21	16 ^h 15	16 ^h 20	11 ^h 26										
S 22	16 ^h 36	16 ^h 56	11 ^h 49										
S 23	16 ^h 57	17 ^h 32	12 ^h 12										
M24	17 ^h 18	18 ^h 8	12 ^h 35										
T 25	17 ^h 39	18 ^h 44	12 ^h 57										
W26	18 ^h 0	19 ^h 20	13 ^h 20										
T 27	18 ^h 21	19 ^h 56	13 ^h 42										
F 28	18 ^h 42	20 ^h 31	14 ^h 5										
S 29	19 ^h 3	21 ^h 7	14 ^h 27										
S 30	19 ^h 24	21 ^h 42	14 ^h 49										

Delta T = 71.92 sec

DECEMBER 2025

00:00 UT

Day	Juno	Amor	Cupido										
M 1	19 ^h 46	22 ^h 17	15 ^h 11										
T 2	20 ^h 7	22 ^h 52	15 ^h 33										
W 3	20 ^h 28	23 ^h 27	15 ^h 55										
T 4	20 ^h 49	24 ^h 2	16 ^h 16										
F 5	21 ^h 11	24 ^h 37	16 ^h 38										
S 6	21 ^h 32	25 ^h 11	16 ^h 59										
S 7	21 ^h 53	25 ^h 46	17 ^h 21										
M 8	22 ^h 15	26 ^h 20	17 ^h 42										
T 9	22 ^h 36	26 ^h 54	18 ^h 3										
W10	22 ^h 57	27 ^h 28	18 ^h 24										
T 11	23 ^h 19	28 ^h 2	18 ^h 45										
F 12	23 ^h 40	28 ^h 36	19 ^h 5										
S 13	24 ^h 2	29 ^h 10	19 ^h 26										
S 14	24 ^h 23	29 ^h 44	19 ^h 46										
M15	24 ^h 45	0 ^h 17	20 ^h 6										
T 16	25 ^h 6	0 ^h 51	20 ^h 26										
W17	25 ^h 28	1 ^h 24	20 ^h 46										
T 18	25 ^h 49	1 ^h 57	21 ^h 6										
F 19	26 ^h 11	2 ^h 30	21 ^h 26										
S 20	26 ^h 32	3 ^h 3	21 ^h 45										
S 21	26 ^h 54	3 ^h 36	22 ^h 5										
M22	27 ^h 16	4 ^h 9	22 ^h 24										
T 23	27 ^h 37	4 ^h 42	22 ^h 43										
W24	27 ^h 59	5 ^h 15	23 ^h 2										
T 25	28 ^h 20	5 ^h 47	23 ^h 20										
F 26	28 ^h 42	6 ^h 20	23 ^h 39										
S 27	29 ^h 4	6 ^h 52	23 ^h 57										
S 28	29 ^h 25	7 ^h 25	24 ^h 15										
M29	29 ^h 47	7 ^h 57	24 ^h 33										
T 30	0 ^h 8	8 ^h 29	24 ^h 51										
W31	0 ^h 30	9 ^h 1	25 ^h 9										

Delta T = 71.96 sec

ASTRODIENST EPHEMERIS for the year 2026

JANUARY 2026

00:00 UT

Day	Juno	Amor	Cupido										
T 1	0 3 52	9 3 33	25 2 26										
F 2	1°13	10° 5	25°43										
S 3	1°35	10°36	26° 0										
S 4	1°57	11° 8	26°17										
M 5	2°18	11°40	26°34										
T 6	2°40	12°11	26°50										
W 7	3° 1	12°43	27° 6										
T 8	3°23	13°14	27°22										
F 9	3°45	13°45	27°38										
S 10	4° 6	14°16	27°54										
S 11	4°28	14°48	28° 9										
M12	4°49	15°19	28°24										
T 13	5°11	15°49	28°39										
W14	5°32	16°20	28°54										
T 15	5°54	16°51	29° 8										
F 16	6°15	17°22	29°22										
S 17	6°37	17°52	29°36										
S 18	6°58	18°23	29°49										
M19	7°20	18°53	0 M 3										
T 20	7°41	19°24	0°16										
W21	8° 2	19°54	0°29										
T 22	8°24	20°24	0°41										
F 23	8°45	20°54	0°54										
S 24	9° 6	21°25	1° 6										
S 25	9°28	21°54	1°17										
M26	9°49	22°24	1°29										
T 27	10°10	22°54	1°40										
W28	10°31	23°24	1°51										
T 29	10°53	23°54	2° 1										
F 30	11°14	24°23	2°11										
S 31	11 3 35	24 3 53	2 M 21										

Delta T = 72.00 sec

FEBRUARY 2026

00:00 UT

Day	Juno	Amor	Cupido										
S 1	11 3 56	25 3 22	2 M 31										
M 2	12°17	25°52	2°40										
T 3	12°38	26°21	2°49										
W 4	12°59	26°50	2°57										
T 5	13°20	27°19	3° 6										
F 6	13°41	27°48	3°14										
S 7	14° 1	28°18	3°21										
S 8	14°22	28°46	3°28										
M 9	14°43	29°15	3°35										
T 10	15° 3	29°44	3°42										
W11	15°24	0 X 13	3°48										
T 12	15°45	0°42	3°54										
F 13	16° 5	1°10	3°59										
S 14	16°26	1°39	4° 4										
S 15	16°46	2° 7	4° 9										
M16	17° 7	2°35	4°13										
T 17	17°27	3° 4	4°17										
W18	17°47	3°32	4°20										
T 19	18° 7	4° 0	4°23										
F 20	18°27	4°28	4°26										
S 21	18°47	4°56	4°28										
S 22	19° 7	5°24	4°30										
M23	19°27	5°52	4°31										
T 24	19°47	6°20	4°32										
W25	20° 7	6°48	4°33										
T 26	20°27	7°15	4°R33										
F 27	20°46	7°43	4°33										
S 28	21 3 6	8 X 10	4 M 32										

Delta T = 72.04 sec

ASTRODIENST EPHEMERIS for the year 2026

MARCH 2026

00:00 UT

Day	Juno	Amor	Cupido										
S 1	21 ³ 25	8 ⁸ 38	4 ⁰ R31										
M 2	21 ⁰ 45	9 ⁰ 5	4 ⁰ M29										
T 3	22 ⁰ 4	9 ⁰ 32	4 ⁰ 27										
W 4	22 ⁰ 24	10 ⁰ 0	4 ⁰ 25										
T 5	22 ⁰ 43	10 ⁰ 27	4 ⁰ 22										
F 6	23 ⁰ 2	10 ⁰ 54	4 ⁰ 18										
S 7	23 ⁰ 21	11 ⁰ 21	4 ⁰ 15										
S 8	23 ⁰ 40	11 ⁰ 48	4 ⁰ 10										
M 9	23 ⁰ 59	12 ⁰ 15	4 ⁰ 6										
T 10	24 ⁰ 17	12 ⁰ 41	4 ⁰ 1										
W 11	24 ⁰ 36	13 ⁰ 8	3 ⁰ 55										
T 12	24 ⁰ 55	13 ⁰ 35	3 ⁰ 49										
F 13	25 ⁰ 13	14 ⁰ 1	3 ⁰ 43										
S 14	25 ⁰ 31	14 ⁰ 28	3 ⁰ 36										
S 15	25 ⁰ 50	14 ⁰ 54	3 ⁰ 29										
M 16	26 ⁰ 8	15 ⁰ 21	3 ⁰ 21										
T 17	26 ⁰ 26	15 ⁰ 47	3 ⁰ 13										
W 18	26 ⁰ 44	16 ⁰ 13	3 ⁰ 4										
T 19	27 ⁰ 2	16 ⁰ 39	2 ⁰ 55										
F 20	27 ⁰ 20	17 ⁰ 5	2 ⁰ 46										
S 21	27 ⁰ 37	17 ⁰ 31	2 ⁰ 36										
S 22	27 ⁰ 55	17 ⁰ 57	2 ⁰ 26										
M 23	28 ⁰ 12	18 ⁰ 23	2 ⁰ 16										
T 24	28 ⁰ 29	18 ⁰ 49	2 ⁰ 5										
W 25	28 ⁰ 47	19 ⁰ 14	1 ⁰ 53										
T 26	29 ⁰ 4	19 ⁰ 40	1 ⁰ 42										
F 27	29 ⁰ 20	20 ⁰ 5	1 ⁰ 30										
S 28	29 ⁰ 37	20 ⁰ 31	1 ⁰ 18										
S 29	29 ⁰ 54	20 ⁰ 56	1 ⁰ 5										
M 30	0 ⁰ 10	21 ⁰ 21	0 ⁰ 52										
T 31	0 ⁰ 27	21 ⁰ 47	0 ⁰ M39										

Delta T = 72.08 sec

APRIL 2026

00:00 UT

Day	Juno	Amor	Cupido										
W 1	0 ⁰ 43	22 ⁰ 12	0 ⁰ R25										
T 2	0 ⁰ 59	22 ⁰ 37	0 ⁰ M12										
F 3	1 ⁰ 15	23 ⁰ 2	29 ⁰ A58										
S 4	1 ⁰ 31	23 ⁰ 26	29 ⁰ 43										
S 5	1 ⁰ 47	23 ⁰ 51	29 ⁰ 29										
M 6	2 ⁰ 2	24 ⁰ 16	29 ⁰ 14										
T 7	2 ⁰ 18	24 ⁰ 41	28 ⁰ 59										
W 8	2 ⁰ 33	25 ⁰ 5	28 ⁰ 44										
T 9	2 ⁰ 48	25 ⁰ 30	28 ⁰ 29										
F 10	3 ⁰ 3	25 ⁰ 54	28 ⁰ 14										
S 11	3 ⁰ 18	26 ⁰ 18	27 ⁰ 58										
S 12	3 ⁰ 32	26 ⁰ 42	27 ⁰ 42										
M 13	3 ⁰ 47	27 ⁰ 7	27 ⁰ 27										
T 14	4 ⁰ 1	27 ⁰ 31	27 ⁰ 11										
W 15	4 ⁰ 15	27 ⁰ 55	26 ⁰ 55										
T 16	4 ⁰ 29	28 ⁰ 18	26 ⁰ 39										
F 17	4 ⁰ 42	28 ⁰ 42	26 ⁰ 23										
S 18	4 ⁰ 56	29 ⁰ 6	26 ⁰ 7										
S 19	5 ⁰ 9	29 ⁰ 29	25 ⁰ 51										
M 20	5 ⁰ 22	29 ⁰ 53	25 ⁰ 35										
T 21	5 ⁰ 35	0 ⁰ Y16	25 ⁰ 20										
W 22	5 ⁰ 48	0 ⁰ 40	25 ⁰ 4										
T 23	6 ⁰ 1	1 ⁰ 3	24 ⁰ 48										
F 24	6 ⁰ 13	1 ⁰ 26	24 ⁰ 33										
S 25	6 ⁰ 25	1 ⁰ 49	24 ⁰ 17										
S 26	6 ⁰ 37	2 ⁰ 12	24 ⁰ 2										
M 27	6 ⁰ 49	2 ⁰ 35	23 ⁰ 47										
T 28	7 ⁰ 0	2 ⁰ 58	23 ⁰ 32										
W 29	7 ⁰ 12	3 ⁰ 20	23 ⁰ 17										
T 30	7 ⁰ 23	3 ⁰ Y43	23 ⁰ A 3										

Delta T = 72.12 sec

ASTRODIENST EPHEMERIS for the year 2026

MAY 2026

00:00 UT

Day	Juno	Amor	Cupido										
F 1	7 ^h 33	4 ^h 5	22°R48										
S 2	7 ^h 44	4 ^h 28	22 ^h 34										
S 3	7 ^h 54	4 ^h 50	22°20										
M 4	8 ^h 5	5 ^h 12	22° 7										
T 5	8 ^h 14	5 ^h 34	21°54										
W 6	8 ^h 24	5 ^h 56	21°41										
T 7	8 ^h 33	6 ^h 18	21°28										
F 8	8 ^h 43	6 ^h 40	21°16										
S 9	8 ^h 52	7 ^h 1	21° 4										
S 10	9° 0	7°23	20°52										
M11	9° 9	7°44	20°41										
T 12	9°17	8° 6	20°30										
W13	9°24	8°27	20°19										
T 14	9°32	8°48	20° 9										
F 15	9°39	9° 9	19°59										
S 16	9°46	9°30	19°49										
S 17	9°53	9°51	19°40										
M18	9°59	10°11	19°32										
T 19	10° 5	10°32	19°23										
W20	10°11	10°52	19°15										
T 21	10°17	11°12	19° 8										
F 22	10°22	11°33	19° 1										
S 23	10°27	11°53	18°54										
S 24	10°31	12°12	18°48										
M25	10°35	12°32	18°43										
T 26	10°39	12°52	18°37										
W27	10°43	13°11	18°32										
T 28	10°46	13°31	18°28										
F 29	10°49	13°50	18°24										
S 30	10°52	14° 9	18°20										
S 31	10 ^h 54	14 ^h 28	18 ^h 17										

Delta T = 72.16 sec

JUNE 2026

00:00 UT

Day	Juno	Amor	Cupido										
M 1	10 ^h 56	14 ^h 47	18°R14										
T 2	10°57	15° 6	18 ^h 12										
W 3	10°59	15°24	18°10										
T 4	10°59	15°43	18° 9										
F 5	11° 0	16° 1	18° 8										
S 6	11°R 0	16°19	18° 7										
S 7	11° 0	16°37	18°D 7										
M 8	10°59	16°55	18° 7										
T 9	10°58	17°13	18° 8										
W10	10°57	17°30	18° 9										
T 11	10°55	17°48	18°10										
F 12	10°53	18° 5	18°12										
S 13	10°51	18°22	18°14										
S 14	10°48	18°39	18°17										
M15	10°45	18°56	18°20										
T 16	10°41	19°12	18°23										
W17	10°37	19°28	18°27										
T 18	10°33	19°45	18°31										
F 19	10°28	20° 1	18°36										
S 20	10°23	20°17	18°41										
S 21	10°18	20°32	18°46										
M22	10°12	20°48	18°52										
T 23	10° 6	21° 3	18°58										
W24	9°59	21°18	19° 4										
T 25	9°53	21°33	19°11										
F 26	9°45	21°48	19°18										
S 27	9°38	22° 2	19°25										
S 28	9°30	22°17	19°33										
M29	9°22	22°31	19°41										
T 30	9 ^h 13	22 ^h 45	19 ^h 50										

Delta T = 72.20 sec

ASTRODIENST EPHEMERIS for the year 2026

JULY 2026

00:00 UT

Day	Juno	Amor	Cupido										
W 1	9°R 4	22°Y58	19°A58										
T 2	8°55	23°12	20° 7										
F 3	8°45	23°25	20°17										
S 4	8°35	23°38	20°26										
S 5	8°25	23°51	20°36										
M 6	8°14	24° 4	20°47										
T 7	8° 3	24°16	20°57										
W 8	7°52	24°28	21° 8										
T 9	7°41	24°40	21°19										
F 10	7°29	24°52	21°31										
S 11	7°17	25° 3	21°42										
S 12	7° 5	25°15	21°54										
M13	6°52	25°25	22° 7										
T 14	6°40	25°36	22°19										
W15	6°27	25°47	22°32										
T 16	6°14	25°57	22°45										
F 17	6° 0	26° 7	22°58										
S 18	5°47	26°16	23°12										
S 19	5°33	26°26	23°26										
M20	5°19	26°35	23°40										
T 21	5° 5	26°43	23°54										
W22	4°51	26°52	24° 9										
T 23	4°37	27° 0	24°24										
F 24	4°23	27° 8	24°39										
S 25	4° 8	27°15	24°54										
S 26	3°54	27°23	25° 9										
M27	3°40	27°30	25°25										
T 28	3°25	27°36	25°41										
W29	3°11	27°43	25°57										
T 30	2°56	27°49	26°13										
F 31	2°42	27°Y54	26°A30										

Delta T = 72.24 sec

AUGUST 2026

00:00 UT

Day	Juno	Amor	Cupido										
S 1	2°R27	28°Y 0	26°A46										
S 2	2°13	28° 5	27° 3										
M 3	1°59	28° 9	27°20										
T 4	1°44	28°14	27°38										
W 5	1°30	28°18	27°55										
T 6	1°16	28°21	28°13										
F 7	1° 2	28°25	28°31										
S 8	0°48	28°28	28°49										
S 9	0°35	28°30	29° 7										
M10	0°21	28°32	29°25										
T 11	0° 8	28°34	29°44										
W12	29°Z55	28°35	0°M 3										
T 13	29°42	28°36	0°22										
F 14	29°29	28°37	0°41										
S 15	29°17	28°R37	1° 0										
S 16	29° 5	28°37	1°19										
M17	28°53	28°36	1°39										
T 18	28°41	28°35	1°59										
W19	28°30	28°34	2°19										
T 20	28°19	28°32	2°39										
F 21	28° 8	28°30	2°59										
S 22	27°58	28°27	3°19										
S 23	27°48	28°24	3°40										
M24	27°38	28°20	4° 0										
T 25	27°29	28°16	4°21										
W26	27°20	28°12	4°42										
T 27	27°11	28° 7	5° 3										
F 28	27° 3	28° 2	5°24										
S 29	26°55	27°56	5°46										
S 30	26°48	27°50	6° 7										
M31	26°Z40	27°Y44	6°M29										

Delta T = 72.29 sec

ASTRODIENST EPHEMERIS for the year 2026

SEPTEMBER 2026

00:00 UT

Day	Juno	Amor	Cupido										
T 1	26°R34	27°R37	6M.50										
W 2	26°Z27	27°Y29	7°12										
T 3	26°21	27°21	7°34										
F 4	26°16	27°13	7°56										
S 5	26°10	27° 4	8°18										
S 6	26° 6	26°55	8°41										
M 7	26° 1	26°45	9° 3										
T 8	25°57	26°35	9°26										
W 9	25°54	26°25	9°48										
T 10	25°51	26°14	10°11										
F 11	25°48	26° 3	10°34										
S 12	25°45	25°51	10°57										
S 13	25°44	25°39	11°20										
M14	25°42	25°26	11°44										
T 15	25°41	25°13	12° 7										
W16	25°40	25° 0	12°30										
T 17	25°D40	24°46	12°54										
F 18	25°40	24°32	13°18										
S 19	25°41	24°18	13°41										
S 20	25°42	24° 3	14° 5										
M21	25°43	23°48	14°29										
T 22	25°45	23°32	14°53										
W23	25°47	23°16	15°17										
T 24	25°50	23° 0	15°42										
F 25	25°53	22°44	16° 6										
S 26	25°56	22°27	16°30										
S 27	26° 0	22°10	16°55										
M28	26° 4	21°53	17°20										
T 29	26° 9	21°36	17°44										
W30	26°Z14	21°Y18	18M. 9										

Delta T = 72.33 sec

OCTOBER 2026

00:00 UT

Day	Juno	Amor	Cupido										
T 1	26°Z19	21°R 1	18M.34										
F 2	26°25	20°Y43	18°59										
S 3	26°31	20°24	19°24										
S 4	26°38	20° 6	19°49										
M 5	26°44	19°48	20°14										
T 6	26°52	19°29	20°40										
W 7	26°59	19°10	21° 5										
T 8	27° 7	18°52	21°30										
F 9	27°15	18°33	21°56										
S 10	27°24	18°14	22°22										
S 11	27°33	17°55	22°47										
M12	27°42	17°36	23°13										
T 13	27°52	17°17	23°39										
W14	28° 2	16°59	24° 5										
T 15	28°12	16°40	24°31										
F 16	28°22	16°21	24°57										
S 17	28°33	16° 3	25°23										
S 18	28°45	15°44	25°49										
M19	28°56	15°26	26°16										
T 20	29° 8	15° 8	26°42										
W21	29°20	14°50	27° 8										
T 22	29°33	14°32	27°35										
F 23	29°45	14°14	28° 1										
S 24	29°59	13°57	28°28										
S 25	0°Z12	13°40	28°55										
M26	0°25	13°23	29°21										
T 27	0°39	13° 6	29°48										
W28	0°54	12°50	0°Z15										
T 29	1° 8	12°34	0°42										
F 30	1°23	12°18	1° 9										
S 31	1°Z38	12°Y 3	1°Z36										

Delta T = 72.37 sec

ASTRODIENST EPHEMERIS for the year 2026

NOVEMBER 2026

00:00 UT

Day	Juno	Amor	Cupido										
S 1	1 ^h 53 ^m	11 ^h R48	2 ^h 3 ^m										
M 2	2 ^h 8 ^m	11 ^h Y33	2 ^h 30 ^m										
T 3	2 ^h 24 ^m	11 ^h 19	2 ^h 57 ^m										
W 4	2 ^h 40 ^m	11 ^h 5	3 ^h 25 ^m										
T 5	2 ^h 56 ^m	10 ^h 51	3 ^h 52 ^m										
F 6	3 ^h 13 ^m	10 ^h 38	4 ^h 20 ^m										
S 7	3 ^h 30 ^m	10 ^h 25	4 ^h 47 ^m										
S 8	3 ^h 47 ^m	10 ^h 12	5 ^h 15 ^m										
M 9	4 ^h 4 ^m	10 ^h 0	5 ^h 42 ^m										
T 10	4 ^h 21 ^m	9 ^h 49	6 ^h 10 ^m										
W 11	4 ^h 39 ^m	9 ^h 38	6 ^h 37 ^m										
T 12	4 ^h 57 ^m	9 ^h 27	7 ^h 5 ^m										
F 13	5 ^h 15 ^m	9 ^h 17	7 ^h 33 ^m										
S 14	5 ^h 34 ^m	9 ^h 7	8 ^h 1 ^m										
S 15	5 ^h 52 ^m	8 ^h 57	8 ^h 29 ^m										
M 16	6 ^h 11 ^m	8 ^h 48	8 ^h 57 ^m										
T 17	6 ^h 30 ^m	8 ^h 40	9 ^h 25 ^m										
W 18	6 ^h 49 ^m	8 ^h 32	9 ^h 53 ^m										
T 19	7 ^h 9 ^m	8 ^h 24	10 ^h 21 ^m										
F 20	7 ^h 28 ^m	8 ^h 17	10 ^h 49 ^m										
S 21	7 ^h 48 ^m	8 ^h 10	11 ^h 17 ^m										
S 22	8 ^h 8 ^m	8 ^h 4	11 ^h 45 ^m										
M 23	8 ^h 28 ^m	7 ^h 58	12 ^h 13 ^m										
T 24	8 ^h 49 ^m	7 ^h 53	12 ^h 42 ^m										
W 25	9 ^h 9 ^m	7 ^h 48	13 ^h 10 ^m										
T 26	9 ^h 30 ^m	7 ^h 44	13 ^h 38 ^m										
F 27	9 ^h 51 ^m	7 ^h 40	14 ^h 7 ^m										
S 28	10 ^h 12 ^m	7 ^h 36	14 ^h 35 ^m										
S 29	10 ^h 33 ^m	7 ^h 33	15 ^h 4 ^m										
M 30	10 ^h 55 ^m	7 ^h Y30	15 ^h 32 ^m										

Delta T = 72.41 sec

DECEMBER 2026

00:00 UT

Day	Juno	Amor	Cupido										
T 1	11 ^h 57 ^m	7 ^h R28	16 ^h 1 ^m										
W 2	11 ^h 38 ^m	7 ^h Y26	16 ^h 29 ^m										
T 3	12 ^h 0 ^m	7 ^h 25	16 ^h 58 ^m										
F 4	12 ^h 23 ^m	7 ^h 24	17 ^h 27 ^m										
S 5	12 ^h 45 ^m	7 ^h 24	17 ^h 56 ^m										
S 6	13 ^h 8 ^m	7 ^h D24	18 ^h 24 ^m										
M 7	13 ^h 30 ^m	7 ^h 24	18 ^h 53 ^m										
T 8	13 ^h 53 ^m	7 ^h 25	19 ^h 22 ^m										
W 9	14 ^h 16 ^m	7 ^h 26	19 ^h 51 ^m										
T 10	14 ^h 39 ^m	7 ^h 28	20 ^h 20 ^m										
F 11	15 ^h 2 ^m	7 ^h 30	20 ^h 49 ^m										
S 12	15 ^h 26 ^m	7 ^h 32	21 ^h 18 ^m										
S 13	15 ^h 50 ^m	7 ^h 35	21 ^h 47 ^m										
M 14	16 ^h 13 ^m	7 ^h 38	22 ^h 16 ^m										
T 15	16 ^h 37 ^m	7 ^h 42	22 ^h 45 ^m										
W 16	17 ^h 1 ^m	7 ^h 46	23 ^h 14 ^m										
T 17	17 ^h 25 ^m	7 ^h 50	23 ^h 43 ^m										
F 18	17 ^h 50 ^m	7 ^h 55	24 ^h 13 ^m										
S 19	18 ^h 14 ^m	8 ^h 0	24 ^h 42 ^m										
S 20	18 ^h 39 ^m	8 ^h 5	25 ^h 11 ^m										
M 21	19 ^h 3 ^m	8 ^h 11	25 ^h 40 ^m										
T 22	19 ^h 28 ^m	8 ^h 17	26 ^h 10 ^m										
W 23	19 ^h 53 ^m	8 ^h 24	26 ^h 39 ^m										
T 24	20 ^h 18 ^m	8 ^h 31	27 ^h 8 ^m										
F 25	20 ^h 44 ^m	8 ^h 38	27 ^h 38 ^m										
S 26	21 ^h 9 ^m	8 ^h 46	28 ^h 7 ^m										
S 27	21 ^h 34 ^m	8 ^h 53	28 ^h 36 ^m										
M 28	22 ^h 0 ^m	9 ^h 2	29 ^h 6 ^m										
T 29	22 ^h 26 ^m	9 ^h 10	29 ^h 35 ^m										
W 30	22 ^h 51 ^m	9 ^h 19	0 ^h 5 ^m										
T 31	23 ^h 57 ^m	9 ^h Y28	0 ^h 34 ^m										

Delta T = 72.46 sec

ASTRODIENST EPHEMERIS for the year 2027

JANUARY 2027

00:00 UT

Day	Juno	Amor	Cupido										
F 1	23 3 43	9 Y 37	1 3 4										
S 2	24°10	9°47	1°33										
S 3	24°36	9°57	2° 3										
M 4	25° 2	10° 7	2°33										
T 5	25°29	10°18	3° 2										
W 6	25°56	10°29	3°32										
T 7	26°22	10°40	4° 2										
F 8	26°49	10°52	4°31										
S 9	27°16	11° 3	5° 1										
S 10	27°43	11°15	5°31										
M11	28°10	11°27	6° 1										
T 12	28°38	11°40	6°30										
W13	29° 5	11°53	7° 0										
T 14	29°32	12° 6	7°30										
F 15	29°59	12°19	8° 0										
S 16	0 X 28	12°32	8°29										
S 17	0°55	12°46	8°59										
M18	1°23	13° 0	9°29										
T 19	1°51	13°14	9°59										
W20	2°19	13°29	10°29										
T 21	2°47	13°43	10°59										
F 22	3°15	13°58	11°29										
S 23	3°44	14°13	11°58										
S 24	4°12	14°28	12°28										
M25	4°41	14°44	12°58										
T 26	5° 9	14°59	13°28										
W27	5°38	15°15	13°58										
T 28	6° 6	15°31	14°28										
F 29	6°35	15°47	14°58										
S 30	7° 4	16° 4	15°28										
S 31	7 X 33	16 Y 21	15 3 58										

Delta T = 72.50 sec

FEBRUARY 2027

00:00 UT

Day	Juno	Amor	Cupido										
M 1	8 X 2	16 Y 37	16 3 28										
T 2	8°31	16°54	16°58										
W 3	9° 0	17°11	17°28										
T 4	9°30	17°29	17°58										
F 5	9°59	17°46	18°28										
S 6	10°28	18° 4	18°58										
S 7	10°58	18°22	19°28										
M 8	11°28	18°40	19°58										
T 9	11°57	18°58	20°28										
W10	12°27	19°16	20°58										
T 11	12°57	19°35	21°28										
F 12	13°27	19°54	21°58										
S 13	13°57	20°12	22°28										
S 14	14°26	20°31	22°58										
M15	14°57	20°50	23°28										
T 16	15°27	21°10	23°58										
W17	15°57	21°29	24°28										
T 18	16°27	21°49	24°58										
F 19	16°57	22° 8	25°27										
S 20	17°28	22°28	25°57										
S 21	17°58	22°48	26°27										
M22	18°29	23° 8	26°57										
T 23	18°59	23°28	27°27										
W24	19°30	23°48	27°57										
T 25	20° 1	24° 9	28°27										
F 26	20°31	24°29	28°57										
S 27	21° 2	24°50	29°27										
S 28	21 X 33	25 Y 11	29 3 57										

Delta T = 72.54 sec

ASTRODIENST EPHEMERIS for the year 2027

MARCH 2027

00:00 UT

Day	Juno	Amor	Cupido										
M 1	22 ^h 4	25 ^h 32	0 ^h 27										
T 2	22 ^h 35	25 ^h 53	0 ^h 56										
W 3	23 ^h 6	26 ^h 14	1 ^h 26										
T 4	23 ^h 37	26 ^h 35	1 ^h 56										
F 5	24 ^h 8	26 ^h 57	2 ^h 26										
S 6	24 ^h 40	27 ^h 18	2 ^h 56										
S 7	25 ^h 11	27 ^h 40	3 ^h 25										
M 8	25 ^h 42	28 ^h 2	3 ^h 55										
T 9	26 ^h 13	28 ^h 23	4 ^h 25										
W10	26 ^h 45	28 ^h 45	4 ^h 55										
T 11	27 ^h 16	29 ^h 7	5 ^h 24										
F 12	27 ^h 48	29 ^h 30	5 ^h 54										
S 13	28 ^h 19	29 ^h 52	6 ^h 24										
S 14	28 ^h 51	0 ^h 14	6 ^h 53										
M15	29 ^h 23	0 ^h 37	7 ^h 23										
T 16	29 ^h 55	0 ^h 59	7 ^h 53										
W17	0 ^h 26	1 ^h 22	8 ^h 22										
T 18	0 ^h 58	1 ^h 44	8 ^h 52										
F 19	1 ^h 30	2 ^h 7	9 ^h 21										
S 20	2 ^h 2	2 ^h 30	9 ^h 51										
S 21	2 ^h 34	2 ^h 53	10 ^h 20										
M22	3 ^h 6	3 ^h 16	10 ^h 50										
T 23	3 ^h 38	3 ^h 39	11 ^h 19										
W24	4 ^h 10	4 ^h 3	11 ^h 48										
T 25	4 ^h 42	4 ^h 26	12 ^h 18										
F 26	5 ^h 14	4 ^h 49	12 ^h 47										
S 27	5 ^h 46	5 ^h 13	13 ^h 16										
S 28	6 ^h 19	5 ^h 37	13 ^h 46										
M29	6 ^h 51	6 ^h 0	14 ^h 15										
T 30	7 ^h 23	6 ^h 24	14 ^h 44										
W31	7 ^h 56	6 ^h 48	15 ^h 13										

Delta T = 72.58 sec

APRIL 2027

00:00 UT

Day	Juno	Amor	Cupido										
T 1	8 ^h 28	7 ^h 12	15 ^h 42										
F 2	9 ^h 1	7 ^h 36	16 ^h 11										
S 3	9 ^h 33	8 ^h 0	16 ^h 40										
S 4	10 ^h 6	8 ^h 24	17 ^h 9										
M 5	10 ^h 38	8 ^h 48	17 ^h 38										
T 6	11 ^h 11	9 ^h 13	18 ^h 7										
W 7	11 ^h 43	9 ^h 37	18 ^h 36										
T 8	12 ^h 16	10 ^h 1	19 ^h 5										
F 9	12 ^h 49	10 ^h 26	19 ^h 34										
S 10	13 ^h 22	10 ^h 51	20 ^h 2										
S 11	13 ^h 54	11 ^h 15	20 ^h 31										
M12	14 ^h 27	11 ^h 40	21 ^h 0										
T 13	15 ^h 0	12 ^h 5	21 ^h 28										
W14	15 ^h 33	12 ^h 30	21 ^h 57										
T 15	16 ^h 6	12 ^h 55	22 ^h 25										
F 16	16 ^h 39	13 ^h 20	22 ^h 54										
S 17	17 ^h 12	13 ^h 45	23 ^h 22										
S 18	17 ^h 45	14 ^h 10	23 ^h 50										
M19	18 ^h 18	14 ^h 35	24 ^h 19										
T 20	18 ^h 51	15 ^h 1	24 ^h 47										
W21	19 ^h 24	15 ^h 26	25 ^h 15										
T 22	19 ^h 57	15 ^h 52	25 ^h 43										
F 23	20 ^h 31	16 ^h 17	26 ^h 11										
S 24	21 ^h 4	16 ^h 43	26 ^h 39										
S 25	21 ^h 37	17 ^h 8	27 ^h 7										
M26	22 ^h 10	17 ^h 34	27 ^h 35										
T 27	22 ^h 44	18 ^h 0	28 ^h 3										
W28	23 ^h 17	18 ^h 26	28 ^h 30										
T 29	23 ^h 50	18 ^h 52	28 ^h 58										
F 30	24 ^h 24	19 ^h 17	29 ^h 25										

Delta T = 72.62 sec

ASTRODIENST EPHEMERIS for the year 2027

MAY 2027

00:00 UT

Day	Juno	Amor	Cupido										
S 1	24 ⁵⁷	19 ⁴⁴	29 ⁵³										
S 2	25 ³⁰	20 ¹⁰	0 ²⁰										
M 3	26 ⁴	20 ³⁶	0 ⁴⁸										
T 4	26 ³⁷	21 ²	1 ¹⁵										
W 5	27 ¹¹	21 ²⁸	1 ⁴²										
T 6	27 ⁴⁴	21 ⁵⁵	2 ⁹										
F 7	28 ¹⁸	22 ²¹	2 ³⁶										
S 8	28 ⁵²	22 ⁴⁸	3 ³										
S 9	29 ²⁵	23 ¹⁴	3 ³⁰										
M10	29 ⁵⁹	23 ⁴¹	3 ⁵⁶										
T 11	0 ³²	24 ⁷	4 ²³										
W12	1 ⁶	24 ³⁴	4 ⁴⁹										
T 13	1 ⁴⁰	25 ¹	5 ¹⁶										
F 14	2 ¹³	25 ²⁸	5 ⁴²										
S 15	2 ⁴⁷	25 ⁵⁵	6 ⁸										
S 16	3 ²¹	26 ²²	6 ³⁴										
M17	3 ⁵⁵	26 ⁴⁹	7 ⁰										
T 18	4 ²⁸	27 ¹⁶	7 ²⁶										
W19	5 ²	27 ⁴³	7 ⁵²										
T 20	5 ³⁶	28 ¹⁰	8 ¹⁸										
F 21	6 ¹⁰	28 ³⁷	8 ⁴³										
S 22	6 ⁴³	29 ⁵	9 ⁸										
S 23	7 ¹⁷	29 ³²	9 ³⁴										
M24	7 ⁵¹	29 ⁵⁹	9 ⁵⁹										
T 25	8 ²⁵	0 ²⁷	10 ²⁴										
W26	8 ⁵⁹	0 ⁵⁵	10 ⁴⁹										
T 27	9 ³³	1 ²²	11 ¹⁴										
F 28	10 ⁷	1 ⁵⁰	11 ³⁸										
S 29	10 ⁴¹	2 ¹⁸	12 ³										
S 30	11 ¹⁵	2 ⁴⁶	12 ²⁷										
M31	11 ⁴⁸	3 ¹³	12 ⁵¹										

Delta T = 72.66 sec

JUNE 2027

00:00 UT

Day	Juno	Amor	Cupido										
T 1	12 ²²	3 ⁴¹	13 ¹⁶										
W 2	12 ⁵⁶	4 ⁹	13 ³⁹										
T 3	13 ³⁰	4 ³⁸	14 ³										
F 4	14 ⁴	5 ⁶	14 ²⁷										
S 5	14 ³⁸	5 ³⁴	14 ⁵⁰										
S 6	15 ¹²	6 ²	15 ¹⁴										
M 7	15 ⁴⁶	6 ³⁰	15 ³⁷										
T 8	16 ²⁰	6 ⁵⁹	16 ⁰										
W 9	16 ⁵⁴	7 ²⁷	16 ²²										
T 10	17 ²⁸	7 ⁵⁶	16 ⁴⁵										
F 11	18 ²	8 ²⁴	17 ⁷										
S 12	18 ³⁶	8 ⁵³	17 ²⁹										
S 13	19 ¹⁰	9 ²²	17 ⁵¹										
M14	19 ⁴⁴	9 ⁵⁰	18 ¹³										
T 15	20 ¹⁸	10 ¹⁹	18 ³⁵										
W16	20 ⁵²	10 ⁴⁸	18 ⁵⁶										
T 17	21 ²⁶	11 ¹⁷	19 ¹⁷										
F 18	22 ⁰	11 ⁴⁶	19 ³⁸										
S 19	22 ³⁴	12 ¹⁵	19 ⁵⁹										
S 20	23 ⁸	12 ⁴⁴	20 ²⁰										
M21	23 ⁴²	13 ¹⁴	20 ⁴⁰										
T 22	24 ¹⁶	13 ⁴³	21 ⁰										
W23	24 ⁵⁰	14 ¹²	21 ²⁰										
T 24	25 ²⁴	14 ⁴²	21 ⁴⁰										
F 25	25 ⁵⁸	15 ¹¹	21 ⁵⁹										
S 26	26 ³²	15 ⁴¹	22 ¹⁸										
S 27	27 ⁵	16 ¹⁰	22 ³⁷										
M28	27 ³⁹	16 ⁴⁰	22 ⁵⁵										
T 29	28 ¹³	17 ¹⁰	23 ¹⁴										
W30	28 ⁴⁷	17 ⁴⁰	23 ³²										

Delta T = 72.71 sec

ASTRODIENST EPHEMERIS for the year 2027

JULY 2027

00:00 UT

Day	Juno	Amor	Cupido										
T 1	29 ²¹	18 ¹¹ 9	23 ⁵⁰										
F 2	29 ⁵⁵	18 ³⁹	24 ⁷										
S 3	0 ¹¹ 29	19 ¹⁰	24 ²⁴										
S 4	1 ²	19 ⁴⁰	24 ⁴¹										
M 5	1 ³⁶	20 ¹⁰	24 ⁵⁸										
T 6	2 ¹⁰	20 ⁴⁰	25 ¹⁴										
W 7	2 ⁴⁴	21 ¹⁰	25 ³⁰										
T 8	3 ¹⁸	21 ⁴¹	25 ⁴⁵										
F 9	3 ⁵¹	22 ¹¹	26 ¹										
S 10	4 ²⁵	22 ⁴²	26 ¹⁶										
S 11	4 ⁵⁹	23 ¹³	26 ³⁰										
M 12	5 ³²	23 ⁴³	26 ⁴⁴										
T 13	6 ⁶	24 ¹⁴	26 ⁵⁸										
W 14	6 ³⁹	24 ⁴⁵	27 ¹²										
T 15	7 ¹³	25 ¹⁶	27 ²⁵										
F 16	7 ⁴⁶	25 ⁴⁷	27 ³⁸										
S 17	8 ²⁰	26 ¹⁸	27 ⁵⁰										
S 18	8 ⁵³	26 ⁴⁹	28 ²										
M 19	9 ²⁷	27 ²⁰	28 ¹⁴										
T 20	10 ⁰	27 ⁵²	28 ²⁵										
W 21	10 ³³	28 ²³	28 ³⁵										
T 22	11 ⁷	28 ⁵⁵	28 ⁴⁶										
F 23	11 ⁴⁰	29 ²⁶	28 ⁵⁶										
S 24	12 ¹³	29 ⁵⁸	29 ⁵										
S 25	12 ⁴⁶	0 ³⁰	29 ¹⁴										
M 26	13 ²⁰	1 ²	29 ²³										
T 27	13 ⁵³	1 ³⁴	29 ³¹										
W 28	14 ²⁶	2 ⁶	29 ³⁹										
T 29	14 ⁵⁹	2 ³⁸	29 ⁴⁶										
F 30	15 ³²	3 ¹⁰	29 ⁵³										
S 31	16 ¹¹ 5	3 ⁴²	29 ⁵⁹										

Delta T = 72.75 sec

AUGUST 2027

00:00 UT

Day	Juno	Amor	Cupido										
S 1	16 ¹¹ 38	4 ¹⁵	0 ⁵										
M 2	17 ¹⁰	4 ⁴⁷	0 ¹⁰										
T 3	17 ⁴³	5 ²⁰	0 ¹⁵										
W 4	18 ¹⁶	5 ⁵³	0 ¹⁹										
T 5	18 ⁴⁸	6 ²⁶	0 ²³										
F 6	19 ²¹	6 ⁵⁸	0 ²⁶										
S 7	19 ⁵⁴	7 ³¹	0 ²⁹										
S 8	20 ²⁶	8 ⁴	0 ³¹										
M 9	20 ⁵⁸	8 ³⁸	0 ³²										
T 10	21 ³¹	9 ¹¹	0 ³³										
W 11	22 ³	9 ⁴⁴	0 ³⁴										
T 12	22 ³⁵	10 ¹⁸	0 ³⁴										
F 13	23 ⁷	10 ⁵¹	0 ³⁴										
S 14	23 ³⁹	11 ²⁵	0 ³²										
S 15	24 ¹¹	11 ⁵⁹	0 ³¹										
M 16	24 ⁴³	12 ³³	0 ²⁹										
T 17	25 ¹⁵	13 ⁷	0 ²⁶										
W 18	25 ⁴⁷	13 ⁴¹	0 ²³										
T 19	26 ¹⁸	14 ¹⁵	0 ¹⁹										
F 20	26 ⁵⁰	14 ⁵⁰	0 ¹⁵										
S 21	27 ²¹	15 ²⁴	0 ¹⁰										
S 22	27 ⁵³	15 ⁵⁹	0 ⁵										
M 23	28 ²⁴	16 ³³	29 ⁵⁹										
T 24	28 ⁵⁵	17 ⁸	29 ⁵³										
W 25	29 ²⁶	17 ⁴³	29 ⁴⁶										
T 26	29 ⁵⁷	18 ¹⁸	29 ³⁹										
F 27	0 ²⁸	18 ⁵⁴	29 ³¹										
S 28	0 ⁵⁹	19 ²⁹	29 ²²										
S 29	1 ³⁰	20 ⁴	29 ¹³										
M 30	2 ¹	20 ⁴⁰	29 ⁴										
T 31	2 ³¹	21 ¹⁶	28 ⁵⁴										

Delta T = 72.79 sec

ASTRODIENST EPHEMERIS for the year 2027

SEPTEMBER 2027

00:00 UT

Day	Juno	Amor	Cupido										
W 1	3 ^h 28 ^m 1 ^s	21 ^h 52 ^m 52 ^s	28 ^h R44										
T 2	3 ^h 32 ^m	22 ^h 28 ^m	28 ^h K34										
F 3	4 ^h 2 ^m	23 ^h 4 ^m	28 ^h 23										
S 4	4 ^h 32 ^m	23 ^h 40 ^m	28 ^h 11										
S 5	5 ^h 2 ^m	24 ^h 16 ^m	28 ^h 0										
M 6	5 ^h 32 ^m	24 ^h 53 ^m	27 ^h 47										
T 7	6 ^h 1 ^m	25 ^h 30 ^m	27 ^h 35										
W 8	6 ^h 31 ^m	26 ^h 6 ^m	27 ^h 22										
T 9	7 ^h 0 ^m	26 ^h 43 ^m	27 ^h 9										
F 10	7 ^h 29 ^m	27 ^h 20 ^m	26 ^h 56										
S 11	7 ^h 59 ^m	27 ^h 58 ^m	26 ^h 43										
S 12	8 ^h 28 ^m	28 ^h 35 ^m	26 ^h 29										
M 13	8 ^h 56 ^m	29 ^h 13 ^m	26 ^h 15										
T 14	9 ^h 25 ^m	29 ^h 50 ^m	26 ^h 1										
W 15	9 ^h 54 ^m	0 ^h 28 ^m	25 ^h 47										
T 16	10 ^h 22 ^m	1 ^h 6 ^m	25 ^h 33										
F 17	10 ^h 50 ^m	1 ^h 44 ^m	25 ^h 19										
S 18	11 ^h 18 ^m	2 ^h 23 ^m	25 ^h 4										
S 19	11 ^h 46 ^m	3 ^h 1 ^m	24 ^h 50										
M 20	12 ^h 14 ^m	3 ^h 40 ^m	24 ^h 35										
T 21	12 ^h 42 ^m	4 ^h 19 ^m	24 ^h 21										
W 22	13 ^h 9 ^m	4 ^h 58 ^m	24 ^h 7										
T 23	13 ^h 36 ^m	5 ^h 37 ^m	23 ^h 53										
F 24	14 ^h 3 ^m	6 ^h 16 ^m	23 ^h 39										
S 25	14 ^h 30 ^m	6 ^h 56 ^m	23 ^h 25										
S 26	14 ^h 57 ^m	7 ^h 36 ^m	23 ^h 11										
M 27	15 ^h 23 ^m	8 ^h 16 ^m	22 ^h 57										
T 28	15 ^h 50 ^m	8 ^h 56 ^m	22 ^h 44										
W 29	16 ^h 16 ^m	9 ^h 36 ^m	22 ^h 31										
T 30	16 ^h 42 ^m	10 ^h 17 ^m	22 ^h K18										

Delta T = 72.83 sec

OCTOBER 2027

00:00 UT

Day	Juno	Amor	Cupido										
F 1	17 ^h 57 ^m 7 ^s	10 ^h 25 ^m 7 ^s	22 ^h R 5										
S 2	17 ^h 33 ^m	11 ^h 38 ^m	21 ^h K53										
S 3	17 ^h 58 ^m	12 ^h 19 ^m	21 ^h 41										
M 4	18 ^h 23 ^m	13 ^h 0 ^m	21 ^h 30										
T 5	18 ^h 48 ^m	13 ^h 42 ^m	21 ^h 18										
W 6	19 ^h 12 ^m	14 ^h 23 ^m	21 ^h 8										
T 7	19 ^h 37 ^m	15 ^h 5 ^m	20 ^h 58										
F 8	20 ^h 1 ^m	15 ^h 47 ^m	20 ^h 48										
S 9	20 ^h 25 ^m	16 ^h 30 ^m	20 ^h 38										
S 10	20 ^h 48 ^m	17 ^h 12 ^m	20 ^h 29										
M 11	21 ^h 12 ^m	17 ^h 55 ^m	20 ^h 21										
T 12	21 ^h 35 ^m	18 ^h 38 ^m	20 ^h 13										
W 13	21 ^h 58 ^m	19 ^h 21 ^m	20 ^h 6										
T 14	22 ^h 20 ^m	20 ^h 4 ^m	19 ^h 59										
F 15	22 ^h 42 ^m	20 ^h 48 ^m	19 ^h 53										
S 16	23 ^h 5 ^m	21 ^h 32 ^m	19 ^h 47										
S 17	23 ^h 26 ^m	22 ^h 16 ^m	19 ^h 42										
M 18	23 ^h 48 ^m	23 ^h 0 ^m	19 ^h 37										
T 19	24 ^h 9 ^m	23 ^h 44 ^m	19 ^h 33										
W 20	24 ^h 30 ^m	24 ^h 29 ^m	19 ^h 29										
T 21	24 ^h 50 ^m	25 ^h 14 ^m	19 ^h 26										
F 22	25 ^h 11 ^m	26 ^h 0 ^m	19 ^h 24										
S 23	25 ^h 31 ^m	26 ^h 45 ^m	19 ^h 22										
S 24	25 ^h 50 ^m	27 ^h 31 ^m	19 ^h 21										
M 25	26 ^h 9 ^m	28 ^h 17 ^m	19 ^h 20										
T 26	26 ^h 28 ^m	29 ^h 3 ^m	19 ^h D20										
W 27	26 ^h 47 ^m	29 ^h 50 ^m	19 ^h 21										
T 28	27 ^h 5 ^m	0 ^h 36 ^m	19 ^h 22										
F 29	27 ^h 23 ^m	1 ^h 24 ^m	19 ^h 23										
S 30	27 ^h 41 ^m	2 ^h 11 ^m	19 ^h 26										
S 31	27 ^h 58 ^m	2 ^h 58 ^m	19 ^h K29										

Delta T = 72.87 sec

ASTRODIENST EPHEMERIS for the year 2027

NOVEMBER 2027

00:00 UT

Day	Juno	Amor	Cupido										
M 1	28 ²⁸ 15	3 ¹⁷ 46	19 ¹⁸ 32										
T 2	28 ³⁰ 31	4 ³⁴	19 ³⁶										
W 3	28 ⁴⁷	5 ²³	19 ⁴¹										
T 4	29 ³	6 ¹²	19 ⁴⁶										
F 5	29 ¹⁸	7 ¹	19 ⁵¹										
S 6	29 ³³	7 ⁵⁰	19 ⁵⁸										
S 7	29 ⁴⁷	8 ³⁹	20 ⁵										
M 8	0 ⁰ 1	9 ²⁹	20 ¹²										
T 9	0 ¹⁵	10 ¹⁹	20 ²⁰										
W10	0 ²⁸	11 ¹⁰	20 ²⁸										
T 11	0 ⁴⁰	12 ⁰	20 ³⁷										
F 12	0 ⁵³	12 ⁵¹	20 ⁴⁷										
S 13	1 ⁴	13 ⁴³	20 ⁵⁷										
S 14	1 ¹⁶	14 ³⁴	21 ⁷										
M15	1 ²⁷	15 ²⁶	21 ¹⁸										
T 16	1 ³⁷	16 ¹⁹	21 ³⁰										
W17	1 ⁴⁷	17 ¹¹	21 ⁴²										
T 18	1 ⁵⁶	18 ⁴	21 ⁵⁴										
F 19	2 ⁵	18 ⁵⁷	22 ⁷										
S 20	2 ¹⁴	19 ⁵¹	22 ²⁰										
S 21	2 ²²	20 ⁴⁴	22 ³⁴										
M22	2 ²⁹	21 ³⁹	22 ⁴⁸										
T 23	2 ³⁶	22 ³³	23 ³										
W24	2 ⁴²	23 ²⁸	23 ¹⁸										
T 25	2 ⁴⁸	24 ²³	23 ³³										
F 26	2 ⁵⁴	25 ¹⁸	23 ⁴⁹										
S 27	2 ⁵⁸	26 ¹⁴	24 ⁶										
S 28	3 ³	27 ¹⁰	24 ²²										
M29	3 ⁶	28 ⁶	24 ³⁹										
T 30	3 ¹⁸ 9	29 ¹⁷ 3	24 ⁵⁷										

Delta T = 72.92 sec

DECEMBER 2027

00:00 UT

Day	Juno	Amor	Cupido										
W 1	3 ¹⁸ 12	29 ¹⁷ 59	25 ¹⁵										
T 2	3 ¹⁴	0 ⁵⁷	25 ³³										
F 3	3 ¹⁶	1 ⁵⁵	25 ⁵²										
S 4	3 ¹⁶	2 ⁵³	26 ¹¹										
S 5	3 ^R 17	3 ⁵¹	26 ³⁰										
M 6	3 ¹⁷	4 ⁴⁹	26 ⁵⁰										
T 7	3 ¹⁶	5 ⁴⁸	27 ¹⁰										
W 8	3 ¹⁴	6 ⁴⁷	27 ³⁰										
T 9	3 ¹²	7 ⁴⁷	27 ⁵¹										
F 10	3 ¹⁰	8 ⁴⁶	28 ¹²										
S 11	3 ⁷	9 ⁴⁶	28 ³³										
S 12	3 ³	10 ⁴⁷	28 ⁵⁵										
M13	2 ⁵⁹	11 ⁴⁷	29 ¹⁷										
T 14	2 ⁵⁴	12 ⁴⁸	29 ³⁹										
W15	2 ⁴⁹	13 ⁴⁹	0 ^Y 1										
T 16	2 ⁴³	14 ⁵¹	0 ²⁴										
F 17	2 ³⁷	15 ⁵²	0 ⁴⁷										
S 18	2 ³⁰	16 ⁵⁴	1 ¹⁰										
S 19	2 ²³	17 ⁵⁷	1 ³⁴										
M20	2 ¹⁵	18 ⁵⁹	1 ⁵⁸										
T 21	2 ⁷	20 ²	2 ²²										
W22	1 ⁵⁸	21 ⁵	2 ⁴⁶										
T 23	1 ⁴⁸	22 ⁸	3 ¹⁰										
F 24	1 ³⁸	23 ¹¹	3 ³⁵										
S 25	1 ²⁸	24 ¹⁵	4 ⁰										
S 26	1 ¹⁷	25 ¹⁹	4 ²⁵										
M27	1 ⁶	26 ²³	4 ⁵¹										
T 28	0 ⁵⁵	27 ²⁷	5 ¹⁶										
W29	0 ⁴³	28 ³²	5 ⁴²										
T 30	0 ³⁰	29 ³⁷	6 ⁸										
F 31	0 ¹⁸	0 ^M 41	6 ^Y 35										

Delta T = 72.96 sec

ASTRODIENST EPHEMERIS for the year 2028

JANUARY 2028

00:00 UT

Day	Juno	Amor	Cupido										
S 1	0°R 5	1M.46	7Y 1										
S 2	29 5 51	2°51	7°28										
M 3	29°37	3°57	7°55										
T 4	29°24	5° 2	8°22										
W 5	29° 9	6° 8	8°49										
T 6	28°55	7°13	9°16										
F 7	28°40	8°19	9°44										
S 8	28°26	9°25	10°12										
S 9	28°11	10°31	10°40										
M10	27°56	11°37	11° 8										
T 11	27°40	12°43	11°36										
W12	27°25	13°49	12° 4										
T 13	27°10	14°55	12°33										
F 14	26°55	16° 1	13° 1										
S 15	26°39	17° 8	13°30										
S 16	26°24	18°14	13°59										
M17	26° 9	19°20	14°28										
T 18	25°54	20°26	14°57										
W19	25°39	21°32	15°27										
T 20	25°24	22°38	15°56										
F 21	25° 9	23°45	16°25										
S 22	24°54	24°51	16°55										
S 23	24°39	25°57	17°25										
M24	24°25	27° 2	17°55										
T 25	24°11	28° 8	18°25										
W26	23°57	29°14	18°55										
T 27	23°44	0 2 19	19°25										
F 28	23°31	1°25	19°56										
S 29	23°18	2°30	20°26										
S 30	23° 5	3°35	20°57										
M31	22 5 53	4 2 40	21Y27										

Delta T = 73.00 sec

FEBRUARY 2028

00:00 UT

Day	Juno	Amor	Cupido										
T 1	22°R41	5 2 45	21Y58										
W 2	22 5 29	6°49	22°29										
T 3	22°18	7°54	23° 0										
F 4	22° 7	8°58	23°31										
S 5	21°57	10° 2	24° 2										
S 6	21°47	11° 5	24°33										
M 7	21°38	12° 9	25° 4										
T 8	21°29	13°12	25°35										
W 9	21°20	14°15	26° 7										
T 10	21°12	15°18	26°38										
F 11	21° 4	16°20	27°10										
S 12	20°57	17°23	27°41										
S 13	20°51	18°25	28°13										
M14	20°44	19°26	28°45										
T 15	20°39	20°28	29°16										
W16	20°33	21°29	29°48										
T 17	20°28	22°29	0 8 20										
F 18	20°24	23°30	0°52										
S 19	20°20	24°30	1°24										
S 20	20°17	25°30	1°56										
M21	20°14	26°29	2°28										
T 22	20°12	27°28	3° 0										
W23	20°10	28°27	3°33										
T 24	20° 9	29°26	4° 5										
F 25	20° 8	0 3 24	4°37										
S 26	20°D 7	1°21	5° 9										
S 27	20° 7	2°19	5°42										
M28	20° 8	3°16	6°14										
T 29	20 5 9	4 3 12	6 8 47										

Delta T = 73.02 sec

ASTRODIENST EPHEMERIS for the year 2028

MARCH 2028

00:00 UT

Day	Juno	Amor	Cupido										
W 1	20 ²⁰ 10	5 ³ 8	7 ⁸ 19										
T 2	20 ¹² 12	6 [°] 4	7 [°] 52										
F 3	20 ¹⁵ 15	6 [°] 59	8 [°] 24										
S 4	20 ¹⁷ 17	7 [°] 54	8 [°] 57										
S 5	20 ²¹ 21	8 [°] 49	9 [°] 29										
M 6	20 ²⁴ 24	9 [°] 43	10 [°] 2										
T 7	20 ²⁹ 29	10 [°] 37	10 [°] 35										
W 8	20 ³³ 33	11 [°] 31	11 [°] 7										
T 9	20 ³⁸ 38	12 [°] 24	11 [°] 40										
F 10	20 ⁴⁴ 44	13 [°] 16	12 [°] 13										
S 11	20 ⁴⁹ 49	14 [°] 8	12 [°] 46										
S 12	20 ⁵⁶ 56	15 [°] 0	13 [°] 18										
M13	21 [°] 2	15 [°] 51	13 [°] 51										
T 14	21 [°] 9	16 [°] 42	14 [°] 24										
W15	21 [°] 17	17 [°] 33	14 [°] 57										
T 16	21 [°] 24	18 [°] 23	15 [°] 30										
F 17	21 [°] 33	19 [°] 13	16 [°] 3										
S 18	21 [°] 41	20 [°] 2	16 [°] 36										
S 19	21 [°] 50	20 [°] 51	17 [°] 8										
M20	21 [°] 59	21 [°] 39	17 [°] 41										
T 21	22 [°] 9	22 [°] 27	18 [°] 14										
W22	22 [°] 19	23 [°] 15	18 [°] 47										
T 23	22 [°] 29	24 [°] 2	19 [°] 20										
F 24	22 [°] 39	24 [°] 49	19 [°] 53										
S 25	22 [°] 50	25 [°] 35	20 [°] 26										
S 26	23 [°] 1	26 [°] 21	20 [°] 59										
M27	23 [°] 13	27 [°] 6	21 [°] 32										
T 28	23 [°] 25	27 [°] 51	22 [°] 5										
W29	23 [°] 37	28 [°] 36	22 [°] 38										
T 30	23 [°] 49	29 [°] 20	23 [°] 11										
F 31	24 [°] 2	0 [°] 4	23 [°] 44										

Delta T = 73.03 sec

APRIL 2028

00:00 UT

Day	Juno	Amor	Cupido										
S 1	24 [°] 15	0 [°] 47	24 [°] 17										
S 2	24 [°] 28	1 [°] 29	24 [°] 50										
M 3	24 [°] 42	2 [°] 12	25 [°] 23										
T 4	24 [°] 56	2 [°] 54	25 [°] 56										
W 5	25 [°] 10	3 [°] 35	26 [°] 29										
T 6	25 [°] 24	4 [°] 16	27 [°] 2										
F 7	25 [°] 38	4 [°] 56	27 [°] 35										
S 8	25 [°] 53	5 [°] 36	28 [°] 8										
S 9	26 [°] 8	6 [°] 16	28 [°] 41										
M10	26 [°] 23	6 [°] 55	29 [°] 14										
T 11	26 [°] 39	7 [°] 34	29 [°] 47										
W12	26 [°] 55	8 [°] 12	0 [°] 20										
T 13	27 [°] 10	8 [°] 50	0 [°] 53										
F 14	27 [°] 27	9 [°] 27	1 [°] 26										
S 15	27 [°] 43	10 [°] 4	1 [°] 59										
S 16	27 [°] 59	10 [°] 41	2 [°] 32										
M17	28 [°] 16	11 [°] 17	3 [°] 5										
T 18	28 [°] 33	11 [°] 52	3 [°] 38										
W19	28 [°] 50	12 [°] 27	4 [°] 11										
T 20	29 [°] 7	13 [°] 2	4 [°] 44										
F 21	29 [°] 25	13 [°] 36	5 [°] 17										
S 22	29 [°] 43	14 [°] 9	5 [°] 50										
S 23	0 [°] 0	14 [°] 43	6 [°] 23										
M24	0 [°] 18	15 [°] 15	6 [°] 56										
T 25	0 [°] 36	15 [°] 48	7 [°] 29										
W26	0 [°] 55	16 [°] 19	8 [°] 1										
T 27	1 [°] 13	16 [°] 50	8 [°] 34										
F 28	1 [°] 32	17 [°] 21	9 [°] 7										
S 29	1 [°] 51	17 [°] 51	9 [°] 40										
S 30	2 [°] 10	18 [°] 21	10 [°] 13										

Delta T = 73.05 sec

ASTRODIENST EPHEMERIS for the year 2028

MAY 2028

00:00 UT

Day	Juno	Amor	Cupido										
M 1	2 Ω 29	18 \approx 51	10 Π 46										
T 2	2°48	19°19	11°18										
W 3	3° 7	19°48	11°51										
T 4	3°27	20°15	12°24										
F 5	3°46	20°43	12°57										
S 6	4° 6	21° 9	13°29										
S 7	4°26	21°36	14° 2										
M 8	4°46	22° 1	14°35										
T 9	5° 6	22°26	15° 7										
W10	5°26	22°51	15°40										
T 11	5°47	23°15	16°12										
F 12	6° 7	23°39	16°45										
S 13	6°28	24° 2	17°18										
S 14	6°48	24°25	17°50										
M15	7° 9	24°47	18°23										
T 16	7°30	25° 8	18°55										
W17	7°51	25°29	19°28										
T 18	8°12	25°49	20° 0										
F 19	8°33	26° 9	20°32										
S 20	8°55	26°28	21° 5										
S 21	9°16	26°47	21°37										
M22	9°37	27° 5	22°10										
T 23	9°59	27°22	22°42										
W24	10°20	27°39	23°14										
T 25	10°42	27°55	23°46										
F 26	11° 4	28°11	24°19										
S 27	11°26	28°26	24°51										
S 28	11°48	28°40	25°23										
M29	12°10	28°54	25°55										
T 30	12°32	29° 7	26°28										
W31	12 Ω 54	29 \approx 19	27 Π 0										

Delta T = 73.06 sec

JUNE 2028

00:00 UT

Day	Juno	Amor	Cupido										
T 1	13 Ω 16	29 \approx 31	27 Π 32										
F 2	13°38	29°42	28° 4										
S 3	14° 1	29°53	28°36										
S 4	14°23	0 H 3	29° 8										
M 5	14°46	0°12	29°40										
T 6	15° 8	0°20	0 S 12										
W 7	15°31	0°28	0°44										
T 8	15°53	0°35	1°16										
F 9	16°16	0°41	1°47										
S 10	16°39	0°47	2°19										
S 11	17° 2	0°52	2°51										
M12	17°25	0°56	3°23										
T 13	17°47	1° 0	3°55										
W14	18°10	1° 3	4°26										
T 15	18°33	1° 5	4°58										
F 16	18°56	1° 6	5°30										
S 17	19°19	1°R 7	6° 1										
S 18	19°43	1° 7	6°33										
M19	20° 6	1° 6	7° 4										
T 20	20°29	1° 4	7°36										
W21	20°52	1° 2	8° 8										
T 22	21°16	0°58	8°39										
F 23	21°39	0°54	9°10										
S 24	22° 2	0°50	9°42										
S 25	22°26	0°44	10°13										
M26	22°49	0°38	10°45										
T 27	23°13	0°31	11°16										
W28	23°36	0°23	11°47										
T 29	24° 0	0°14	12°18										
F 30	24 Ω 23	0 H 5	12 S 50										

Delta T = 73.08 sec

ASTRODIENST EPHEMERIS for the year 2028

JULY 2028

00:00 UT

Day	Juno	Amor	Cupido										
S 1	24 ⁰ 47	29 ⁰ R55	13 ⁰ 21										
S 2	25 ⁰ 11	29 ⁰ 44	13 ⁰ 52										
M 3	25 ⁰ 34	29 ⁰ 33	14 ⁰ 23										
T 4	25 ⁰ 58	29 ⁰ 21	14 ⁰ 54										
W 5	26 ⁰ 22	29 ⁰ 8	15 ⁰ 25										
T 6	26 ⁰ 45	28 ⁰ 54	15 ⁰ 56										
F 7	27 ⁰ 9	28 ⁰ 40	16 ⁰ 27										
S 8	27 ⁰ 33	28 ⁰ 25	16 ⁰ 58										
S 9	27 ⁰ 57	28 ⁰ 9	17 ⁰ 29										
M10	28 ⁰ 21	27 ⁰ 53	18 ⁰ 0										
T 11	28 ⁰ 44	27 ⁰ 36	18 ⁰ 30										
W12	29 ⁰ 8	27 ⁰ 19	19 ⁰ 1										
T 13	29 ⁰ 32	27 ⁰ 0	19 ⁰ 32										
F 14	29 ⁰ 56	26 ⁰ 42	20 ⁰ 3										
S 15	0 ⁰ 20	26 ⁰ 22	20 ⁰ 33										
S 16	0 ⁰ 44	26 ⁰ 3	21 ⁰ 4										
M17	1 ⁰ 8	25 ⁰ 42	21 ⁰ 34										
T 18	1 ⁰ 32	25 ⁰ 22	22 ⁰ 5										
W19	1 ⁰ 56	25 ⁰ 1	22 ⁰ 35										
T 20	2 ⁰ 20	24 ⁰ 39	23 ⁰ 6										
F 21	2 ⁰ 44	24 ⁰ 17	23 ⁰ 36										
S 22	3 ⁰ 8	23 ⁰ 55	24 ⁰ 7										
S 23	3 ⁰ 32	23 ⁰ 32	24 ⁰ 37										
M24	3 ⁰ 56	23 ⁰ 9	25 ⁰ 7										
T 25	4 ⁰ 20	22 ⁰ 46	25 ⁰ 38										
W26	4 ⁰ 44	22 ⁰ 22	26 ⁰ 8										
T 27	5 ⁰ 8	21 ⁰ 59	26 ⁰ 38										
F 28	5 ⁰ 32	21 ⁰ 35	27 ⁰ 8										
S 29	5 ⁰ 56	21 ⁰ 11	27 ⁰ 38										
S 30	6 ⁰ 20	20 ⁰ 47	28 ⁰ 8										
M31	6 ⁰ 44	20 ⁰ 23	28 ⁰ 38										

Delta T = 73.10 sec

AUGUST 2028

00:00 UT

Day	Juno	Amor	Cupido										
T 1	7 ⁰ 9	19 ⁰ R59	29 ⁰ 8										
W 2	7 ⁰ 33	19 ⁰ 35	29 ⁰ 38										
T 3	7 ⁰ 57	19 ⁰ 11	0 ⁰ 8										
F 4	8 ⁰ 21	18 ⁰ 47	0 ⁰ 38										
S 5	8 ⁰ 45	18 ⁰ 24	1 ⁰ 8										
S 6	9 ⁰ 9	18 ⁰ 0	1 ⁰ 37										
M 7	9 ⁰ 33	17 ⁰ 37	2 ⁰ 7										
T 8	9 ⁰ 57	17 ⁰ 14	2 ⁰ 37										
W 9	10 ⁰ 21	16 ⁰ 51	3 ⁰ 6										
T 10	10 ⁰ 46	16 ⁰ 28	3 ⁰ 36										
F 11	11 ⁰ 10	16 ⁰ 6	4 ⁰ 5										
S 12	11 ⁰ 34	15 ⁰ 44	4 ⁰ 35										
S 13	11 ⁰ 58	15 ⁰ 22	5 ⁰ 4										
M14	12 ⁰ 22	15 ⁰ 1	5 ⁰ 33										
T 15	12 ⁰ 46	14 ⁰ 40	6 ⁰ 3										
W16	13 ⁰ 10	14 ⁰ 20	6 ⁰ 32										
T 17	13 ⁰ 34	14 ⁰ 0	7 ⁰ 1										
F 18	13 ⁰ 59	13 ⁰ 40	7 ⁰ 30										
S 19	14 ⁰ 23	13 ⁰ 21	8 ⁰ 0										
S 20	14 ⁰ 47	13 ⁰ 3	8 ⁰ 29										
M21	15 ⁰ 11	12 ⁰ 45	8 ⁰ 58										
T 22	15 ⁰ 35	12 ⁰ 27	9 ⁰ 27										
W23	15 ⁰ 59	12 ⁰ 11	9 ⁰ 55										
T 24	16 ⁰ 23	11 ⁰ 54	10 ⁰ 24										
F 25	16 ⁰ 47	11 ⁰ 38	10 ⁰ 53										
S 26	17 ⁰ 11	11 ⁰ 23	11 ⁰ 22										
S 27	17 ⁰ 35	11 ⁰ 9	11 ⁰ 50										
M28	17 ⁰ 59	10 ⁰ 55	12 ⁰ 19										
T 29	18 ⁰ 23	10 ⁰ 41	12 ⁰ 48										
W30	18 ⁰ 47	10 ⁰ 28	13 ⁰ 16										
T 31	19 ⁰ 11	10 ⁰ 16	13 ⁰ 45										

Delta T = 73.11 sec

ASTRODIENST EPHEMERIS for the year 2028

SEPTEMBER 2028

00:00 UT

Day	Juno	Amor	Cupido										
F 1	19 ^m 35	10 ^o R 5	14 ^o Ω13										
S 2	19 ^o 59	9 ^o ≈54	14 ^o 41										
S 3	20 ^o 23	9 ^o 43	15 ^o 10										
M 4	20 ^o 47	9 ^o 34	15 ^o 38										
T 5	21 ^o 11	9 ^o 24	16 ^o 6										
W 6	21 ^o 35	9 ^o 16	16 ^o 34										
T 7	21 ^o 59	9 ^o 8	17 ^o 2										
F 8	22 ^o 22	9 ^o 0	17 ^o 30										
S 9	22 ^o 46	8 ^o 53	17 ^o 58										
S 10	23 ^o 10	8 ^o 47	18 ^o 26										
M11	23 ^o 34	8 ^o 42	18 ^o 53										
T 12	23 ^o 58	8 ^o 37	19 ^o 21										
W13	24 ^o 21	8 ^o 32	19 ^o 49										
T 14	24 ^o 45	8 ^o 28	20 ^o 16										
F 15	25 ^o 9	8 ^o 25	20 ^o 44										
S 16	25 ^o 32	8 ^o 22	21 ^o 11										
S 17	25 ^o 56	8 ^o 19	21 ^o 39										
M18	26 ^o 20	8 ^o 18	22 ^o 6										
T 19	26 ^o 43	8 ^o 16	22 ^o 33										
W20	27 ^o 7	8 ^o 16	23 ^o 0										
T 21	27 ^o 31	8 ^o D16	23 ^o 27										
F 22	27 ^o 54	8 ^o 16	23 ^o 54										
S 23	28 ^o 18	8 ^o 17	24 ^o 21										
S 24	28 ^o 41	8 ^o 18	24 ^o 48										
M25	29 ^o 5	8 ^o 20	25 ^o 15										
T 26	29 ^o 28	8 ^o 22	25 ^o 42										
W27	29 ^o 51	8 ^o 25	26 ^o 8										
T 28	0 ^o 15	8 ^o 28	26 ^o 35										
F 29	0 ^o 38	8 ^o 32	27 ^o 1										
S 30	1 ^o 1	8 ^o ≈36	27 ^o Ω27										

Delta T = 73.13 sec

OCTOBER 2028

00:00 UT

Day	Juno	Amor	Cupido										
S 1	1 ^o 25	8 ^o ≈40	27 ^o Ω54										
M 2	1 ^o 48	8 ^o 45	28 ^o 20										
T 3	2 ^o 11	8 ^o 51	28 ^o 46										
W 4	2 ^o 34	8 ^o 57	29 ^o 12										
T 5	2 ^o 57	9 ^o 3	29 ^o 38										
F 6	3 ^o 20	9 ^o 9	0 ^o m 4										
S 7	3 ^o 43	9 ^o 16	0 ^o 29										
S 8	4 ^o 6	9 ^o 24	0 ^o 55										
M 9	4 ^o 29	9 ^o 31	1 ^o 20										
T 10	4 ^o 52	9 ^o 39	1 ^o 46										
W11	5 ^o 15	9 ^o 48	2 ^o 11										
T 12	5 ^o 38	9 ^o 56	2 ^o 37										
F 13	6 ^o 1	10 ^o 6	3 ^o 2										
S 14	6 ^o 24	10 ^o 15	3 ^o 27										
S 15	6 ^o 46	10 ^o 25	3 ^o 52										
M16	7 ^o 9	10 ^o 35	4 ^o 16										
T 17	7 ^o 32	10 ^o 45	4 ^o 41										
W18	7 ^o 54	10 ^o 56	5 ^o 6										
T 19	8 ^o 17	11 ^o 7	5 ^o 30										
F 20	8 ^o 39	11 ^o 18	5 ^o 55										
S 21	9 ^o 2	11 ^o 30	6 ^o 19										
S 22	9 ^o 24	11 ^o 42	6 ^o 43										
M23	9 ^o 46	11 ^o 54	7 ^o 7										
T 24	10 ^o 8	12 ^o 7	7 ^o 31										
W25	10 ^o 31	12 ^o 19	7 ^o 55										
T 26	10 ^o 53	12 ^o 32	8 ^o 19										
F 27	11 ^o 15	12 ^o 45	8 ^o 42										
S 28	11 ^o 37	12 ^o 59	9 ^o 6										
S 29	11 ^o 59	13 ^o 13	9 ^o 29										
M30	12 ^o 21	13 ^o 27	9 ^o 52										
T 31	12 ^o 43	13 ^o ≈41	10 ^o m 15										

Delta T = 73.15 sec

ASTRODIENST EPHEMERIS for the year 2028

NOVEMBER 2028

00:00 UT

Day	Juno	Amor	Cupido										
W 1	13 [♈] 4	13 [♊] 55	10 [♏] 38										
T 2	13 [♈] 26	14 [♊] 10	11 [♏] 1										
F 3	13 [♈] 48	14 [♊] 25	11 [♏] 23										
S 4	14 [♈] 9	14 [♊] 40	11 [♏] 46										
S 5	14 [♈] 31	14 [♊] 55	12 [♏] 8										
M 6	14 [♈] 52	15 [♊] 11	12 [♏] 30										
T 7	15 [♈] 14	15 [♊] 26	12 [♏] 52										
W 8	15 [♈] 35	15 [♊] 42	13 [♏] 14										
T 9	15 [♈] 56	15 [♊] 58	13 [♏] 36										
F 10	16 [♈] 17	16 [♊] 15	13 [♏] 57										
S 11	16 [♈] 38	16 [♊] 31	14 [♏] 19										
S 12	16 [♈] 59	16 [♊] 48	14 [♏] 40										
M13	17 [♈] 20	17 [♊] 4	15 [♏] 1										
T 14	17 [♈] 41	17 [♊] 21	15 [♏] 22										
W15	18 [♈] 2	17 [♊] 39	15 [♏] 43										
T 16	18 [♈] 23	17 [♊] 56	16 [♏] 3										
F 17	18 [♈] 43	18 [♊] 13	16 [♏] 24										
S 18	19 [♈] 4	18 [♊] 31	16 [♏] 44										
S 19	19 [♈] 24	18 [♊] 49	17 [♏] 4										
M20	19 [♈] 45	19 [♊] 7	17 [♏] 24										
T 21	20 [♈] 5	19 [♊] 25	17 [♏] 44										
W22	20 [♈] 25	19 [♊] 43	18 [♏] 3										
T 23	20 [♈] 45	20 [♊] 2	18 [♏] 22										
F 24	21 [♈] 5	20 [♊] 20	18 [♏] 41										
S 25	21 [♈] 25	20 [♊] 39	19 [♏] 0										
S 26	21 [♈] 45	20 [♊] 58	19 [♏] 19										
M27	22 [♈] 4	21 [♊] 16	19 [♏] 37										
T 28	22 [♈] 24	21 [♊] 36	19 [♏] 56										
W29	22 [♈] 43	21 [♊] 55	20 [♏] 14										
T 30	23 [♈] 3	22 [♊] 14	20 [♏] 31										

Delta T = 73.16 sec

DECEMBER 2028

00:00 UT

Day	Juno	Amor	Cupido										
F 1	23 [♈] 22	22 [♊] 33	20 [♏] 49										
S 2	23 [♈] 41	22 [♊] 53	21 [♏] 6										
S 3	24 [♈] 0	23 [♊] 13	21 [♏] 23										
M 4	24 [♈] 19	23 [♊] 32	21 [♏] 40										
T 5	24 [♈] 38	23 [♊] 52	21 [♏] 57										
W 6	24 [♈] 57	24 [♊] 12	22 [♏] 13										
T 7	25 [♈] 15	24 [♊] 32	22 [♏] 29										
F 8	25 [♈] 34	24 [♊] 52	22 [♏] 45										
S 9	25 [♈] 52	25 [♊] 13	23 [♏] 1										
S 10	26 [♈] 10	25 [♊] 33	23 [♏] 16										
M11	26 [♈] 28	25 [♊] 54	23 [♏] 32										
T 12	26 [♈] 46	26 [♊] 14	23 [♏] 46										
W13	27 [♈] 4	26 [♊] 35	24 [♏] 1										
T 14	27 [♈] 22	26 [♊] 56	24 [♏] 15										
F 15	27 [♈] 40	27 [♊] 16	24 [♏] 29										
S 16	27 [♈] 57	27 [♊] 37	24 [♏] 43										
S 17	28 [♈] 14	27 [♊] 58	24 [♏] 56										
M18	28 [♈] 31	28 [♊] 19	25 [♏] 10										
T 19	28 [♈] 48	28 [♊] 41	25 [♏] 22										
W20	29 [♈] 5	29 [♊] 2	25 [♏] 35										
T 21	29 [♈] 22	29 [♊] 23	25 [♏] 47										
F 22	29 [♈] 39	29 [♊] 45	25 [♏] 59										
S 23	29 [♈] 55	0 [♋] 6	26 [♏] 11										
S 24	0 [♋] 11	0 [♋] 28	26 [♏] 22										
M25	0 [♋] 27	0 [♋] 49	26 [♏] 33										
T 26	0 [♋] 43	1 [♋] 11	26 [♏] 43										
W27	0 [♋] 59	1 [♋] 33	26 [♏] 54										
T 28	1 [♋] 15	1 [♋] 55	27 [♏] 3										
F 29	1 [♋] 30	2 [♋] 16	27 [♏] 13										
S 30	1 [♋] 45	2 [♋] 38	27 [♏] 22										
S 31	2 [♋] 0	3 [♋] 0	27 [♏] 31										

Delta T = 73.18 sec

ASTRODIENST EPHEMERIS for the year 2029

JANUARY 2029

00:00 UT

Day	Juno	Amor	Cupido										
M 1	2 ^m 15	3 ^h 22	27 ^m 39										
T 2	2°30	3°44	27°48										
W 3	2°44	4° 7	27°55										
T 4	2°59	4°29	28° 3										
F 5	3°13	4°51	28°10										
S 6	3°27	5°13	28°16										
S 7	3°41	5°36	28°22										
M 8	3°54	5°58	28°28										
T 9	4° 8	6°21	28°33										
W10	4°21	6°43	28°38										
T 11	4°34	7° 6	28°43										
F 12	4°47	7°28	28°47										
S 13	4°59	7°51	28°51										
S 14	5°12	8°14	28°54										
M15	5°24	8°36	28°57										
T 16	5°36	8°59	28°59										
W17	5°47	9°22	29° 1										
T 18	5°59	9°45	29° 2										
F 19	6°10	10° 8	29° 3										
S 20	6°21	10°31	29° 4										
S 21	6°32	10°54	29°R 4										
M22	6°42	11°16	29° 4										
T 23	6°52	11°39	29° 3										
W24	7° 2	12° 3	29° 2										
T 25	7°12	12°26	29° 0										
F 26	7°21	12°49	28°58										
S 27	7°31	13°12	28°55										
S 28	7°40	13°35	28°52										
M29	7°48	13°58	28°48										
T 30	7°57	14°21	28°44										
W31	8 ^m 5	14 ^h 44	28 ^m 40										

Delta T = 73.20 sec

FEBRUARY 2029

00:00 UT

Day	Juno	Amor	Cupido										
T 1	8 ^m 13	15 ^h 8	28°R35										
F 2	8°20	15°31	28 ^m 29										
S 3	8°28	15°54	28°23										
S 4	8°35	16°17	28°17										
M 5	8°41	16°41	28°10										
T 6	8°48	17° 4	28° 3										
W 7	8°54	17°27	27°55										
T 8	9° 0	17°51	27°47										
F 9	9° 5	18°14	27°38										
S 10	9°11	18°38	27°29										
S 11	9°16	19° 1	27°20										
M12	9°20	19°24	27°10										
T 13	9°24	19°48	26°59										
W14	9°28	20°11	26°49										
T 15	9°32	20°35	26°37										
F 16	9°35	20°58	26°26										
S 17	9°38	21°22	26°14										
S 18	9°41	21°45	26° 2										
M19	9°43	22° 8	25°49										
T 20	9°45	22°32	25°36										
W21	9°47	22°55	25°23										
T 22	9°48	23°19	25° 9										
F 23	9°49	23°42	24°55										
S 24	9°50	24° 6	24°41										
S 25	9°R50	24°29	24°27										
M26	9°50	24°53	24°12										
T 27	9°50	25°16	23°57										
W28	9 ^m 49	25 ^h 40	23 ^m 42										

Delta T = 73.21 sec

ASTRODIENST EPHEMERIS for the year 2029

MARCH 2029

00:00 UT

Day	Juno	Amor	Cupido										
T 1	9°R48	26 3 3	23°R27										
F 2	9 M 46	26°27	23 M 11										
S 3	9°44	26°50	22°56										
S 4	9°42	27°14	22°40										
M 5	9°40	27°37	22°24										
T 6	9°37	28° 1	22° 8										
W 7	9°33	28°24	21°52										
T 8	9°30	28°48	21°35										
F 9	9°26	29°11	21°19										
S 10	9°22	29°34	21° 3										
S 11	9°17	29°58	20°46										
M12	9°12	0 Y 21	20°30										
T 13	9° 7	0°45	20°14										
W14	9° 1	1° 8	19°58										
T 15	8°55	1°32	19°41										
F 16	8°48	1°55	19°25										
S 17	8°42	2°18	19° 9										
S 18	8°34	2°42	18°54										
M19	8°27	3° 5	18°38										
T 20	8°19	3°28	18°22										
W21	8°11	3°52	18° 7										
T 22	8° 3	4°15	17°52										
F 23	7°54	4°38	17°37										
S 24	7°45	5° 2	17°22										
S 25	7°36	5°25	17° 8										
M26	7°26	5°48	16°54										
T 27	7°16	6°11	16°40										
W28	7° 6	6°35	16°26										
T 29	6°56	6°58	16°13										
F 30	6°45	7°21	16° 0										
S 31	6 M 34	7 Y 44	15 M 48										

Delta T = 73.23 sec

APRIL 2029

00:00 UT

Day	Juno	Amor	Cupido										
S 1	6°R23	8 Y 7	15°R35										
M 2	6 M 12	8°30	15 M 23										
T 3	6° 0	8°53	15°12										
W 4	5°48	9°16	15° 1										
T 5	5°36	9°39	14°50										
F 6	5°24	10° 2	14°39										
S 7	5°11	10°25	14°29										
S 8	4°59	10°48	14°20										
M 9	4°46	11°11	14°10										
T 10	4°33	11°34	14° 2										
W11	4°20	11°57	13°53										
T 12	4° 7	12°20	13°45										
F 13	3°53	12°43	13°38										
S 14	3°40	13° 6	13°31										
S 15	3°26	13°28	13°24										
M16	3°13	13°51	13°18										
T 17	2°59	14°14	13°12										
W18	2°45	14°36	13° 6										
T 19	2°31	14°59	13° 1										
F 20	2°18	15°22	12°57										
S 21	2° 4	15°44	12°53										
S 22	1°50	16° 7	12°49										
M23	1°36	16°29	12°46										
T 24	1°22	16°52	12°43										
W25	1° 9	17°14	12°41										
T 26	0°55	17°37	12°39										
F 27	0°41	17°59	12°38										
S 28	0°28	18°21	12°37										
S 29	0°14	18°43	12°36										
M30	0 M 1	19 Y 6	12°D36										

Delta T = 73.24 sec

ASTRODIENST EPHEMERIS for the year 2029

MAY 2029

00:00 UT

Day	Juno	Amor	Cupido										
T 1	29°R48	19°Y28	12°M36										
W 2	29°A35	19°50	12°37										
T 3	29°22	20°12	12°38										
F 4	29° 9	20°34	12°39										
S 5	28°56	20°56	12°41										
S 6	28°44	21°18	12°44										
M 7	28°31	21°40	12°46										
T 8	28°19	22° 2	12°49										
W 9	28° 7	22°24	12°53										
T 10	27°56	22°46	12°57										
F 11	27°44	23° 7	13° 1										
S 12	27°33	23°29	13° 5										
S 13	27°22	23°51	13°10										
M14	27°11	24°12	13°16										
T 15	27° 0	24°34	13°21										
W16	26°50	24°55	13°27										
T 17	26°40	25°17	13°34										
F 18	26°30	25°38	13°40										
S 19	26°21	25°59	13°47										
S 20	26°12	26°21	13°55										
M21	26° 3	26°42	14° 3										
T 22	25°54	27° 3	14°11										
W23	25°46	27°24	14°19										
T 24	25°38	27°45	14°28										
F 25	25°30	28° 6	14°37										
S 26	25°23	28°27	14°46										
S 27	25°16	28°48	14°56										
M28	25° 9	29° 9	15° 5										
T 29	25° 3	29°29	15°16										
W30	24°57	29°50	15°26										
T 31	24°A51	0°B11	15°M37										

Delta T = 73.26 sec

JUNE 2029

00:00 UT

Day	Juno	Amor	Cupido										
F 1	24°R46	0°B31	15°M48										
S 2	24°A41	0°52	15°59										
S 3	24°36	1°12	16°11										
M 4	24°31	1°32	16°23										
T 5	24°27	1°52	16°35										
W 6	24°23	2°13	16°47										
T 7	24°20	2°33	17° 0										
F 8	24°17	2°53	17°12										
S 9	24°14	3°13	17°25										
S 10	24°12	3°33	17°39										
M11	24° 9	3°52	17°52										
T 12	24° 8	4°12	18° 6										
W13	24° 6	4°32	18°20										
T 14	24° 5	4°51	18°34										
F 15	24° 4	5°11	18°49										
S 16	24° 4	5°30	19° 4										
S 17	24°D 3	5°49	19°18										
M18	24° 4	6° 8	19°34										
T 19	24° 4	6°27	19°49										
W20	24° 5	6°46	20° 4										
T 21	24° 6	7° 5	20°20										
F 22	24° 7	7°24	20°36										
S 23	24° 9	7°43	20°52										
S 24	24°11	8° 1	21° 8										
M25	24°13	8°20	21°25										
T 26	24°16	8°38	21°41										
W27	24°19	8°56	21°58										
T 28	24°22	9°15	22°15										
F 29	24°26	9°33	22°32										
S 30	24°A29	9°B51	22°M50										

Delta T = 73.28 sec

ASTRODIENST EPHEMERIS for the year 2029

JULY 2029

00:00 UT

Day	Juno	Amor	Cupido										
S 1	24 ³³	10 ⁸	23 ⁷										
M 2	24 ³⁸	10 ²⁶	23 ²⁵										
T 3	24 ⁴²	10 ⁴⁴	23 ⁴³										
W 4	24 ⁴⁷	11 ¹	24 ¹										
T 5	24 ⁵²	11 ¹⁹	24 ¹⁹										
F 6	24 ⁵⁸	11 ³⁶	24 ³⁷										
S 7	25 ⁴	11 ⁵³	24 ⁵⁵										
S 8	25 ¹⁰	12 ¹⁰	25 ¹⁴										
M 9	25 ¹⁶	12 ²⁷	25 ³³										
T 10	25 ²²	12 ⁴⁴	25 ⁵²										
W 11	25 ²⁹	13 ⁰	26 ¹¹										
T 12	25 ³⁶	13 ¹⁷	26 ³⁰										
F 13	25 ⁴³	13 ³³	26 ⁴⁹										
S 14	25 ⁵¹	13 ⁴⁹	27 ⁸										
S 15	25 ⁵⁸	14 ⁵	27 ²⁸										
M 16	26 ⁶	14 ²¹	27 ⁴⁸										
T 17	26 ¹⁵	14 ³⁷	28 ⁷										
W 18	26 ²³	14 ⁵³	28 ²⁷										
T 19	26 ³²	15 ⁸	28 ⁴⁷										
F 20	26 ⁴⁰	15 ²³	29 ⁸										
S 21	26 ⁵⁰	15 ³⁸	29 ²⁸										
S 22	26 ⁵⁹	15 ⁵³	29 ⁴⁸										
M 23	27 ⁸	16 ⁸	0 ⁹										
T 24	27 ¹⁸	16 ²³	0 ³⁰										
W 25	27 ²⁸	16 ³⁷	0 ⁵⁰										
T 26	27 ³⁸	16 ⁵¹	1 ¹¹										
F 27	27 ⁴⁹	17 ⁶	1 ³²										
S 28	27 ⁵⁹	17 ¹⁹	1 ⁵³										
S 29	28 ¹⁰	17 ³³	2 ¹⁴										
M 30	28 ²¹	17 ⁴⁷	2 ³⁶										
T 31	28 ³²	18 ⁰	2 ⁵⁷										

Delta T = 73.29 sec

AUGUST 2029

00:00 UT

Day	Juno	Amor	Cupido										
W 1	28 ⁴³	18 ¹³	3 ¹⁸										
T 2	28 ⁵⁵	18 ²⁶	3 ⁴⁰										
F 3	29 ⁶	18 ³⁹	4 ²										
S 4	29 ¹⁸	18 ⁵¹	4 ²³										
S 5	29 ³⁰	19 ⁴	4 ⁴⁵										
M 6	29 ⁴³	19 ¹⁶	5 ⁷										
T 7	29 ⁵⁵	19 ²⁸	5 ²⁹										
W 8	0 ⁸	19 ³⁹	5 ⁵¹										
T 9	0 ²⁰	19 ⁵¹	6 ¹⁴										
F 10	0 ³³	20 ²	6 ³⁶										
S 11	0 ⁴⁶	20 ¹³	6 ⁵⁸										
S 12	0 ⁵⁹	20 ²⁴	7 ²¹										
M 13	1 ¹³	20 ³⁴	7 ⁴⁴										
T 14	1 ²⁶	20 ⁴⁴	8 ⁶										
W 15	1 ⁴⁰	20 ⁵⁴	8 ²⁹										
T 16	1 ⁵⁴	21 ⁴	8 ⁵²										
F 17	2 ⁸	21 ¹⁴	9 ¹⁵										
S 18	2 ²²	21 ²³	9 ³⁸										
S 19	2 ³⁶	21 ³²	10 ¹										
M 20	2 ⁵¹	21 ⁴⁰	10 ²⁴										
T 21	3 ⁵	21 ⁴⁹	10 ⁴⁷										
W 22	3 ²⁰	21 ⁵⁷	11 ¹⁰										
T 23	3 ³⁵	22 ⁴	11 ³³										
F 24	3 ⁵⁰	22 ¹²	11 ⁵⁷										
S 25	4 ⁵	22 ¹⁹	12 ²⁰										
S 26	4 ²⁰	22 ²⁶	12 ⁴⁴										
M 27	4 ³⁵	22 ³²	13 ⁷										
T 28	4 ⁵¹	22 ³⁹	13 ³¹										
W 29	5 ⁶	22 ⁴⁵	13 ⁵⁵										
T 30	5 ²²	22 ⁵⁰	14 ¹⁹										
F 31	5 ³⁸	22 ⁵⁵	14 ⁴²										

Delta T = 73.31 sec

ASTRODIENST EPHEMERIS for the year 2029

SEPTEMBER 2029

00:00 UT

Day	Juno	Amor	Cupido										
S 1	5 \mathbb{M} .54	23 \mathbb{R} 0	15 \mathbb{A} 6										
S 2	6°10	23° 5	15°30										
M 3	6°26	23° 9	15°54										
T 4	6°42	23°13	16°19										
W 5	6°58	23°16	16°43										
T 6	7°15	23°19	17° 7										
F 7	7°31	23°22	17°31										
S 8	7°48	23°24	17°56										
S 9	8° 5	23°26	18°20										
M10	8°22	23°28	18°44										
T 11	8°39	23°29	19° 9										
W12	8°56	23°30	19°33										
T 13	9°13	23°R30	19°58										
F 14	9°30	23°30	20°23										
S 15	9°48	23°29	20°47										
S 16	10° 5	23°28	21°12										
M17	10°23	23°27	21°37										
T 18	10°40	23°25	22° 2										
W19	10°58	23°23	22°27										
T 20	11°16	23°20	22°52										
F 21	11°34	23°17	23°16										
S 22	11°52	23°14	23°42										
S 23	12°10	23°10	24° 7										
M24	12°28	23° 5	24°32										
T 25	12°46	23° 0	24°57										
W26	13° 4	22°55	25°22										
T 27	13°22	22°49	25°47										
F 28	13°41	22°43	26°12										
S 29	13°59	22°36	26°38										
S 30	14 \mathbb{M} .18	22 \mathbb{R} 28	27 \mathbb{A} 3										

Delta T = 73.33 sec

OCTOBER 2029

00:00 UT

Day	Juno	Amor	Cupido										
M 1	14 \mathbb{M} .37	22°R21	27 \mathbb{A} 29										
T 2	14°55	22 \mathbb{R} 12	27°54										
W 3	15°14	22° 4	28°19										
T 4	15°33	21°55	28°45										
F 5	15°52	21°45	29°10										
S 6	16°11	21°35	29°36										
S 7	16°30	21°24	0 \mathbb{M} 2										
M 8	16°49	21°13	0°27										
T 9	17° 8	21° 1	0°53										
W10	17°27	20°49	1°19										
T 11	17°46	20°37	1°44										
F 12	18° 5	20°24	2°10										
S 13	18°25	20°11	2°36										
S 14	18°44	19°57	3° 2										
M15	19° 4	19°43	3°28										
T 16	19°23	19°28	3°53										
W17	19°43	19°13	4°19										
T 18	20° 2	18°57	4°45										
F 19	20°22	18°42	5°11										
S 20	20°42	18°25	5°37										
S 21	21° 1	18° 9	6° 3										
M22	21°21	17°52	6°29										
T 23	21°41	17°34	6°55										
W24	22° 1	17°17	7°21										
T 25	22°21	16°59	7°47										
F 26	22°40	16°41	8°14										
S 27	23° 0	16°22	8°40										
S 28	23°20	16° 3	9° 6										
M29	23°40	15°44	9°32										
T 30	24° 1	15°25	9°58										
W31	24 \mathbb{M} .21	15 \mathbb{R} 6	10 \mathbb{M} .24										

Delta T = 73.34 sec

ASTRODIENST EPHEMERIS for the year 2029

NOVEMBER 2029

00:00 UT

Day	Juno	Amor	Cupido										
T 1	24 ^M 41	14°R46	10 ^M 51										
F 2	25° 1	14 ^U 26	11°17										
S 3	25°21	14° 6	11°43										
S 4	25°41	13°46	12° 9										
M 5	26° 2	13°26	12°36										
T 6	26°22	13° 6	13° 2										
W 7	26°42	12°46	13°28										
T 8	27° 2	12°25	13°55										
F 9	27°23	12° 5	14°21										
S 10	27°43	11°45	14°48										
S 11	28° 4	11°24	15°14										
M12	28°24	11° 4	15°40										
T 13	28°44	10°44	16° 7										
W14	29° 5	10°24	16°33										
T 15	29°25	10° 4	16°59										
F 16	29°46	9°45	17°26										
S 17	0 ^X 6	9°25	17°52										
S 18	0°27	9° 6	18°19										
M19	0°47	8°47	18°45										
T 20	1° 8	8°28	19°12										
W21	1°28	8° 9	19°38										
T 22	1°49	7°51	20° 4										
F 23	2° 9	7°33	20°31										
S 24	2°30	7°15	20°57										
S 25	2°51	6°58	21°24										
M26	3°11	6°41	21°50										
T 27	3°32	6°24	22°17										
W28	3°52	6° 8	22°43										
T 29	4°13	5°52	23°10										
F 30	4 ^X 33	5 ^U 37	23 ^M 36										

Delta T = 73.36 sec

DECEMBER 2029

00:00 UT

Day	Juno	Amor	Cupido										
S 1	4 ^X 54	5°R21	24 ^M 3										
S 2	5°15	5 ^U 7	24°29										
M 3	5°35	4°53	24°55										
T 4	5°56	4°39	25°22										
W 5	6°16	4°26	25°48										
T 6	6°37	4°13	26°15										
F 7	6°57	4° 1	26°41										
S 8	7°18	3°49	27° 8										
S 9	7°39	3°38	27°34										
M10	7°59	3°27	28° 0										
T 11	8°20	3°17	28°27										
W12	8°40	3° 7	28°53										
T 13	9° 1	2°58	29°20										
F 14	9°21	2°49	29°46										
S 15	9°42	2°41	0 ^X 12										
S 16	10° 2	2°33	0°38										
M17	10°22	2°26	1° 5										
T 18	10°43	2°20	1°31										
W19	11° 3	2°14	1°57										
T 20	11°23	2° 8	2°24										
F 21	11°44	2° 3	2°50										
S 22	12° 4	1°59	3°16										
S 23	12°24	1°55	3°42										
M24	12°45	1°52	4° 8										
T 25	13° 5	1°49	4°34										
W26	13°25	1°46	5° 1										
T 27	13°45	1°45	5°27										
F 28	14° 5	1°43	5°53										
S 29	14°25	1°42	6°19										
S 30	14°46	1°D42	6°45										
M31	15 ^X 6	1 ^U 42	7 ^X 11										

Delta T = 73.38 sec

ASTRODIENST EPHEMERIS for the year 2030

JANUARY 2030

00:00 UT

Day	Juno	Amor	Cupido										
T 1	15 ^h 26	1 ^h 43	7 ^h 37										
W 2	15 ^h 46	1 ^h 44	8 ^h 3										
T 3	16 ^h 5	1 ^h 46	8 ^h 29										
F 4	16 ^h 25	1 ^h 48	8 ^h 54										
S 5	16 ^h 45	1 ^h 51	9 ^h 20										
S 6	17 ^h 5	1 ^h 54	9 ^h 46										
M 7	17 ^h 25	1 ^h 58	10 ^h 12										
T 8	17 ^h 44	2 ^h 2	10 ^h 38										
W 9	18 ^h 4	2 ^h 6	11 ^h 3										
T 10	18 ^h 24	2 ^h 11	11 ^h 29										
F 11	18 ^h 43	2 ^h 17	11 ^h 54										
S 12	19 ^h 3	2 ^h 23	12 ^h 20										
S 13	19 ^h 22	2 ^h 29	12 ^h 46										
M 14	19 ^h 42	2 ^h 36	13 ^h 11										
T 15	20 ^h 1	2 ^h 43	13 ^h 36										
W 16	20 ^h 20	2 ^h 50	14 ^h 2										
T 17	20 ^h 39	2 ^h 58	14 ^h 27										
F 18	20 ^h 59	3 ^h 7	14 ^h 52										
S 19	21 ^h 18	3 ^h 16	15 ^h 18										
S 20	21 ^h 37	3 ^h 25	15 ^h 43										
M 21	21 ^h 56	3 ^h 35	16 ^h 8										
T 22	22 ^h 15	3 ^h 45	16 ^h 33										
W 23	22 ^h 33	3 ^h 55	16 ^h 58										
T 24	22 ^h 52	4 ^h 6	17 ^h 23										
F 25	23 ^h 11	4 ^h 17	17 ^h 48										
S 26	23 ^h 29	4 ^h 28	18 ^h 13										
S 27	23 ^h 48	4 ^h 40	18 ^h 38										
M 28	24 ^h 6	4 ^h 52	19 ^h 2										
T 29	24 ^h 25	5 ^h 5	19 ^h 27										
W 30	24 ^h 43	5 ^h 18	19 ^h 52										
T 31	25 ^h 1	5 ^h 31	20 ^h 16										

Delta T = 73.39 sec

FEBRUARY 2030

00:00 UT

Day	Juno	Amor	Cupido										
F 1	25 ^h 20	5 ^h 45	20 ^h 41										
S 2	25 ^h 38	5 ^h 59	21 ^h 5										
S 3	25 ^h 56	6 ^h 13	21 ^h 30										
M 4	26 ^h 13	6 ^h 27	21 ^h 54										
T 5	26 ^h 31	6 ^h 42	22 ^h 18										
W 6	26 ^h 49	6 ^h 58	22 ^h 42										
T 7	27 ^h 7	7 ^h 13	23 ^h 6										
F 8	27 ^h 24	7 ^h 29	23 ^h 30										
S 9	27 ^h 41	7 ^h 45	23 ^h 54										
S 10	27 ^h 59	8 ^h 1	24 ^h 18										
M 11	28 ^h 16	8 ^h 18	24 ^h 42										
T 12	28 ^h 33	8 ^h 35	25 ^h 5										
W 13	28 ^h 50	8 ^h 52	25 ^h 29										
T 14	29 ^h 7	9 ^h 10	25 ^h 53										
F 15	29 ^h 24	9 ^h 28	26 ^h 16										
S 16	29 ^h 40	9 ^h 46	26 ^h 39										
S 17	29 ^h 57	10 ^h 4	27 ^h 2										
M 18	0 ^h 13	10 ^h 23	27 ^h 26										
T 19	0 ^h 30	10 ^h 42	27 ^h 49										
W 20	0 ^h 46	11 ^h 1	28 ^h 11										
T 21	1 ^h 2	11 ^h 20	28 ^h 34										
F 22	1 ^h 18	11 ^h 40	28 ^h 57										
S 23	1 ^h 34	11 ^h 59	29 ^h 20										
S 24	1 ^h 49	12 ^h 20	29 ^h 42										
M 25	2 ^h 5	12 ^h 40	0 ^h 5										
T 26	2 ^h 20	13 ^h 0	0 ^h 27										
W 27	2 ^h 36	13 ^h 21	0 ^h 49										
T 28	2 ^h 51	13 ^h 42	1 ^h 11										

Delta T = 73.41 sec

ASTRODIENST EPHEMERIS for the year 2030

MARCH 2030

00:00 UT

Day	Juno	Amor	Cupido										
F 1	3 ³ 6	14 ⁸ 4	1 ³ 33										
S 2	3 ² 21	14 ² 25	1 ¹ 55										
S 3	3 ³ 35	14 ⁴ 47	2 ¹ 17										
M 4	3 ⁵ 50	15 ¹ 9	2 ³ 38										
T 5	4 ¹ 4	15 ³ 31	3 ¹ 0										
W 6	4 ¹ 19	15 ⁵ 53	3 ² 21										
T 7	4 ³ 33	16 ¹ 16	3 ⁴ 42										
F 8	4 ⁴ 47	16 ³ 39	4 ¹ 3										
S 9	5 ¹ 0	17 ¹ 2	4 ² 24										
S 10	5 ¹ 14	17 ² 25	4 ⁴ 45										
M 11	5 ² 27	17 ⁴ 48	5 ¹ 6										
T 12	5 ⁴ 41	18 ¹ 12	5 ² 26										
W 13	5 ⁵ 54	18 ³ 36	5 ⁴ 47										
T 14	6 ¹ 7	19 ¹ 0	6 ¹ 7										
F 15	6 ¹ 19	19 ² 24	6 ² 27										
S 16	6 ³ 32	19 ⁴ 48	6 ⁴ 47										
S 17	6 ⁴ 44	20 ¹ 13	7 ¹ 7										
M 18	6 ⁵ 57	20 ³ 38	7 ² 26										
T 19	7 ¹ 9	21 ¹ 3	7 ⁴ 46										
W 20	7 ² 20	21 ² 28	8 ¹ 5										
T 21	7 ³ 32	21 ⁵ 53	8 ² 24										
F 22	7 ⁴ 43	22 ¹ 19	8 ⁴ 43										
S 23	7 ⁵ 55	22 ⁴ 44	9 ¹ 2										
S 24	8 ¹ 6	23 ¹ 10	9 ² 20										
M 25	8 ¹ 16	23 ³ 36	9 ³ 39										
T 26	8 ² 27	24 ¹ 3	9 ⁵ 57										
W 27	8 ³ 37	24 ² 29	10 ¹ 15										
T 28	8 ⁴ 47	24 ⁵ 56	10 ³ 33										
F 29	8 ⁵ 57	25 ¹ 22	10 ⁵ 50										
S 30	9 ¹ 7	25 ⁴ 49	11 ¹ 8										
S 31	9 ³ 17	26 ⁸ 16	11 ³ 25										

Delta T = 73.42 sec

APRIL 2030

00:00 UT

Day	Juno	Amor	Cupido										
M 1	9 ³ 26	26 ⁸ 44	11 ³ 42										
T 2	9 ³ 35	27 ¹ 11	11 ⁵ 59										
W 3	9 ⁴ 44	27 ³ 39	12 ¹ 15										
T 4	9 ⁵ 52	28 ¹ 7	12 ³ 32										
F 5	10 ¹ 0	28 ³ 35	12 ⁴ 48										
S 6	10 ¹ 8	29 ¹ 3	13 ¹ 4										
S 7	10 ¹ 16	29 ³ 31	13 ¹ 19										
M 8	10 ² 24	29 ⁵ 59	13 ³ 35										
T 9	10 ³ 31	0 ^{II} 28	13 ⁵ 50										
W 10	10 ³ 38	0 ⁵ 57	14 ¹ 5										
T 11	10 ⁴ 45	1 ² 26	14 ¹ 19										
F 12	10 ⁵ 51	1 ⁵ 55	14 ³ 34										
S 13	10 ⁵ 57	2 ² 24	14 ⁴ 48										
S 14	11 ¹ 3	2 ⁵ 54	15 ¹ 2										
M 15	11 ¹ 9	3 ² 23	15 ¹ 15										
T 16	11 ¹ 14	3 ⁵ 53	15 ² 29										
W 17	11 ¹ 19	4 ² 23	15 ⁴ 42										
T 18	11 ² 24	4 ⁵ 53	15 ⁵ 55										
F 19	11 ² 28	5 ² 23	16 ¹ 7										
S 20	11 ³ 33	5 ⁵ 53	16 ¹ 19										
S 21	11 ³ 36	6 ² 24	16 ³ 31										
M 22	11 ⁴ 40	6 ⁵ 55	16 ⁴ 43										
T 23	11 ⁴ 43	7 ² 26	16 ⁵ 54										
W 24	11 ⁴ 46	7 ⁵ 57	17 ¹ 5										
T 25	11 ⁴ 49	8 ² 28	17 ¹ 16										
F 26	11 ⁵ 51	8 ⁵ 59	17 ² 26										
S 27	11 ⁵ 53	9 ³ 31	17 ³ 36										
S 28	11 ⁵ 55	10 ¹ 2	17 ⁴ 46										
M 29	11 ⁵ 56	10 ³ 34	17 ⁵ 55										
T 30	11 ⁵ 57	11 ^{II} 6	18 ³ 4										

Delta T = 73.44 sec

ASTRODIENST EPHEMERIS for the year 2030

MAY 2030

00:00 UT

Day	Juno	Amor	Cupido										
W 1	11 ³ 58	11 ^{II} 38	18 ³ 13										
T 2	11°59	12°10	18°21										
F 3	11°R59	12°43	18°29										
S 4	11°58	13°15	18°36										
S 5	11°58	13°48	18°44										
M 6	11°57	14°21	18°50										
T 7	11°56	14°54	18°57										
W 8	11°54	15°27	19° 3										
T 9	11°52	16° 1	19° 8										
F 10	11°50	16°34	19°14										
S 11	11°47	17° 8	19°18										
S 12	11°44	17°42	19°23										
M13	11°41	18°16	19°27										
T 14	11°37	18°50	19°30										
W15	11°33	19°24	19°33										
T 16	11°29	19°59	19°36										
F 17	11°24	20°33	19°38										
S 18	11°19	21° 8	19°40										
S 19	11°14	21°43	19°42										
M20	11° 8	22°18	19°43										
T 21	11° 2	22°53	19°43										
W22	10°55	23°29	19°R43										
T 23	10°49	24° 4	19°43										
F 24	10°42	24°40	19°42										
S 25	10°34	25°16	19°41										
S 26	10°27	25°52	19°39										
M27	10°19	26°28	19°36										
T 28	10°10	27° 5	19°34										
W29	10° 2	27°42	19°31										
T 30	9°53	28°18	19°27										
F 31	9 ³ 44	28 ^{II} 55	19 ³ 23										

Delta T = 73.46 sec

JUNE 2030

00:00 UT

Day	Juno	Amor	Cupido										
S 1	9°R34	29 ^{II} 32	19°R18										
S 2	9 ³ 24	0 ³ 10	19 ³ 13										
M 3	9°14	0°47	19° 7										
T 4	9° 4	1°25	19° 1										
W 5	8°53	2° 3	18°55										
T 6	8°42	2°41	18°48										
F 7	8°31	3°19	18°41										
S 8	8°20	3°57	18°33										
S 9	8° 8	4°36	18°24										
M10	7°56	5°14	18°16										
T 11	7°44	5°53	18° 7										
W12	7°32	6°32	17°57										
T 13	7°19	7°11	17°47										
F 14	7° 7	7°51	17°37										
S 15	6°54	8°30	17°26										
S 16	6°41	9°10	17°15										
M17	6°28	9°50	17° 3										
T 18	6°15	10°30	16°51										
W19	6° 2	11°11	16°39										
T 20	5°48	11°51	16°26										
F 21	5°35	12°32	16°13										
S 22	5°21	13°13	16° 0										
S 23	5° 7	13°54	15°47										
M24	4°53	14°35	15°33										
T 25	4°40	15°16	15°19										
W26	4°26	15°58	15° 4										
T 27	4°12	16°40	14°50										
F 28	3°58	17°22	14°35										
S 29	3°44	18° 4	14°20										
S 30	3 ³ 30	18 ³ 47	14 ³ 5										

Delta T = 73.47 sec

ASTRODIENST EPHEMERIS for the year 2030

JULY 2030

00:00 UT

Day	Juno	Amor	Cupido										
M 1	3°R16	19°29	13°R49										
T 2	3°2	20°12	13°34										
W 3	2°49	20°55	13°18										
T 4	2°35	21°38	13° 3										
F 5	2°21	22°22	12°47										
S 6	2° 8	23° 5	12°31										
S 7	1°55	23°49	12°15										
M 8	1°41	24°33	11°59										
T 9	1°28	25°18	11°44										
W10	1°15	26° 2	11°28										
T 11	1° 3	26°47	11°12										
F 12	0°50	27°32	10°57										
S 13	0°38	28°17	10°41										
S 14	0°25	29° 2	10°26										
M15	0°13	29°47	10°11										
T 16	0° 2	0°33	9°56										
W17	29°50	1°19	9°41										
T 18	29°39	2° 5	9°27										
F 19	29°28	2°51	9°12										
S 20	29°17	3°38	8°58										
S 21	29° 6	4°25	8°44										
M22	28°56	5°12	8°31										
T 23	28°46	5°59	8°18										
W24	28°36	6°46	8° 5										
T 25	28°27	7°34	7°52										
F 26	28°18	8°22	7°40										
S 27	28° 9	9°10	7°28										
S 28	28° 0	9°58	7°17										
M29	27°52	10°47	7° 6										
T 30	27°44	11°36	6°55										
W31	27°37	12°24	6°45										

Delta T = 73.49 sec

AUGUST 2030

00:00 UT

Day	Juno	Amor	Cupido										
T 1	27°R29	13°14	6°R35										
F 2	27°22	14° 3	6°26										
S 3	27°16	14°53	6°17										
S 4	27°10	15°43	6° 8										
M 5	27° 4	16°33	6° 1										
T 6	26°58	17°23	5°53										
W 7	26°53	18°13	5°46										
T 8	26°48	19° 4	5°40										
F 9	26°44	19°55	5°34										
S 10	26°40	20°46	5°28										
S 11	26°36	21°38	5°24										
M12	26°33	22°29	5°19										
T 13	26°30	23°21	5°15										
W14	26°27	24°13	5°12										
T 15	26°25	25° 5	5° 9										
F 16	26°23	25°58	5° 7										
S 17	26°22	26°50	5° 5										
S 18	26°21	27°43	5° 4										
M19	26°20	28°36	5° 3										
T 20	26°19	29°30	5°D 2										
W21	26°D19	0°23	5° 3										
T 22	26°19	1°17	5° 3										
F 23	26°20	2°11	5° 5										
S 24	26°21	3° 5	5° 6										
S 25	26°22	4° 0	5° 9										
M26	26°24	4°54	5°11										
T 27	26°26	5°49	5°15										
W28	26°28	6°44	5°18										
T 29	26°31	7°39	5°23										
F 30	26°34	8°35	5°27										
S 31	26°37	9°30	5°33										

Delta T = 73.51 sec

ASTRODIENST EPHEMERIS for the year 2030

SEPTEMBER 2030

00:00 UT

Day	Juno	Amor	Cupido										
S 1	26 ^h 41	10 ^m 26	5 ^s 38										
M 2	26 ^h 45	11 ^m 22	5 ^s 45										
T 3	26 ^h 49	12 ^m 18	5 ^s 51										
W 4	26 ^h 54	13 ^m 15	5 ^s 58										
T 5	26 ^h 59	14 ^m 11	6 ^s 6										
F 6	27 ^h 4	15 ^m 8	6 ^s 14										
S 7	27 ^h 10	16 ^m 5	6 ^s 23										
S 8	27 ^h 16	17 ^m 2	6 ^s 32										
M 9	27 ^h 22	17 ^m 59	6 ^s 41										
T 10	27 ^h 28	18 ^m 57	6 ^s 51										
W 11	27 ^h 35	19 ^m 54	7 ^s 1										
T 12	27 ^h 43	20 ^m 52	7 ^s 12										
F 13	27 ^h 50	21 ^m 50	7 ^s 23										
S 14	27 ^h 58	22 ^m 48	7 ^s 35										
S 15	28 ^h 6	23 ^m 47	7 ^s 47										
M 16	28 ^h 14	24 ^m 45	7 ^s 59										
T 17	28 ^h 23	25 ^m 43	8 ^s 12										
W 18	28 ^h 31	26 ^m 42	8 ^s 25										
T 19	28 ^h 41	27 ^m 41	8 ^s 38										
F 20	28 ^h 50	28 ^m 40	8 ^s 52										
S 21	29 ^h 0	29 ^m 39	9 ^s 6										
S 22	29 ^h 10	0 ^m 38	9 ^s 21										
M 23	29 ^h 20	1 ^m 38	9 ^s 36										
T 24	29 ^h 30	2 ^m 37	9 ^s 51										
W 25	29 ^h 41	3 ^m 37	10 ^s 7										
T 26	29 ^h 52	4 ^m 36	10 ^s 23										
F 27	0 ^h 3	5 ^m 36	10 ^s 40										
S 28	0 ^h 15	6 ^m 36	10 ^s 56										
S 29	0 ^h 27	7 ^m 36	11 ^s 13										
M 30	0 ^h 39	8 ^m 36	11 ^s 31										

Delta T = 73.52 sec

OCTOBER 2030

00:00 UT

Day	Juno	Amor	Cupido										
T 1	0 ^h 51	9 ^m 36	11 ^s 49										
W 2	1 ^h 3	10 ^m 37	12 ^s 7										
T 3	1 ^h 16	11 ^m 37	12 ^s 25										
F 4	1 ^h 29	12 ^m 37	12 ^s 44										
S 5	1 ^h 42	13 ^m 38	13 ^s 3										
S 6	1 ^h 55	14 ^m 38	13 ^s 22										
M 7	2 ^h 9	15 ^m 39	13 ^s 42										
T 8	2 ^h 23	16 ^m 39	14 ^s 2										
W 9	2 ^h 37	17 ^m 40	14 ^s 22										
T 10	2 ^h 51	18 ^m 41	14 ^s 42										
F 11	3 ^h 6	19 ^m 41	15 ^s 3										
S 12	3 ^h 20	20 ^m 42	15 ^s 24										
S 13	3 ^h 35	21 ^m 43	15 ^s 45										
M 14	3 ^h 50	22 ^m 43	16 ^s 7										
T 15	4 ^h 5	23 ^m 44	16 ^s 29										
W 16	4 ^h 21	24 ^m 45	16 ^s 51										
T 17	4 ^h 36	25 ^m 46	17 ^s 13										
F 18	4 ^h 52	26 ^m 46	17 ^s 36										
S 19	5 ^h 8	27 ^m 47	17 ^s 59										
S 20	5 ^h 24	28 ^m 48	18 ^s 22										
M 21	5 ^h 41	29 ^m 48	18 ^s 45										
T 22	5 ^h 57	0 ^m 49	19 ^s 8										
W 23	6 ^h 14	1 ^m 50	19 ^s 32										
T 24	6 ^h 31	2 ^m 50	19 ^s 56										
F 25	6 ^h 48	3 ^m 51	20 ^s 20										
S 26	7 ^h 5	4 ^m 51	20 ^s 45										
S 27	7 ^h 22	5 ^m 51	21 ^s 10										
M 28	7 ^h 40	6 ^m 52	21 ^s 34										
T 29	7 ^h 58	7 ^m 52	22 ^s 0										
W 30	8 ^h 16	8 ^m 52	22 ^s 25										
T 31	8 ^h 34	9 ^m 52	22 ^s 50										

Delta T = 73.54 sec

ASTRODIENST EPHEMERIS for the year 2030

NOVEMBER 2030

00:00 UT

Day	Juno	Amor	Cupido										
F 1	8 ^h 52	10 ^m 52	23 ^s 16										
S 2	9°10	11°52	23°42										
S 3	9°29	12°51	24° 8										
M 4	9°47	13°51	24°35										
T 5	10° 6	14°50	25° 1										
W 6	10°25	15°50	25°28										
T 7	10°44	16°49	25°55										
F 8	11° 3	17°48	26°22										
S 9	11°23	18°47	26°49										
S 10	11°42	19°46	27°16										
M 11	12° 2	20°44	27°44										
T 12	12°22	21°43	28°12										
W 13	12°42	22°41	28°40										
T 14	13° 2	23°40	29° 8										
F 15	13°22	24°38	29°36										
S 16	13°42	25°36	0 ^h 4										
S 17	14° 2	26°33	0°33										
M 18	14°23	27°31	1° 2										
T 19	14°44	28°28	1°30										
W 20	15° 4	29°25	1°59										
T 21	15°25	0 ^h 22	2°29										
F 22	15°46	1°19	2°58										
S 23	16° 7	2°16	3°28										
S 24	16°29	3°12	3°57										
M 25	16°50	4° 8	4°27										
T 26	17°11	5° 4	4°57										
W 27	17°33	6° 0	5°27										
T 28	17°55	6°56	5°57										
F 29	18°16	7°51	6°27										
S 30	18 ^h 38	8 ^m 47	6 ^s 58										

Delta T = 73.56 sec

DECEMBER 2030

00:00 UT

Day	Juno	Amor	Cupido										
S 1	19 ^h 0	9 ^m 42	7 ^s 29										
M 2	19°22	10°36	7°59										
T 3	19°44	11°31	8°30										
W 4	20° 7	12°25	9° 1										
T 5	20°29	13°19	9°32										
F 6	20°52	14°13	10° 3										
S 7	21°14	15° 7	10°35										
S 8	21°37	16° 0	11° 6										
M 9	21°59	16°53	11°38										
T 10	22°22	17°46	12° 9										
W 11	22°45	18°39	12°41										
T 12	23° 8	19°32	13°13										
F 13	23°31	20°24	13°45										
S 14	23°54	21°16	14°17										
S 15	24°18	22° 8	14°50										
M 16	24°41	22°59	15°22										
T 17	25° 4	23°51	15°54										
W 18	25°28	24°42	16°27										
T 19	25°51	25°33	16°59										
F 20	26°15	26°23	17°32										
S 21	26°39	27°14	18° 5										
S 22	27° 3	28° 4	18°38										
M 23	27°27	28°54	19°11										
T 24	27°50	29°43	19°44										
W 25	28°14	0 ^h 33	20°17										
T 26	28°39	1°22	20°51										
F 27	29° 3	2°11	21°24										
S 28	29°27	3° 0	21°57										
S 29	29°51	3°48	22°31										
M 30	0 ^h 16	4°36	23° 5										
T 31	0 ^h 40	5 ^m 24	23 ^s 38										

Delta T = 73.57 sec