



Astrodienst Ephemeris Tables for the year 1821

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPX

ASTRODIENST EPHEMERIS for the year 1821
geocentric

JANUARY 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 41 16	10 ³ 19'42	29 ¹¹ 59	18 ² 53	5 ² 53	13 ³ 1	17 ¹ 55	7 ¹ 13	29 ² 40	0 ³ 57	26 ¹ 43	16 ¹ R11	17 ¹ 5	29 ¹ 53	28 ¹ 36	M 1
T 2	6 45 13	11 ¹ 20'53	12 ² 59	20° 9	7° 7	13°47	18° 5	7°15	29°44	0°59	26°44	16 ¹ 1	17° 2	29°59	28°37	T 2
W 3	6 49 9	12°22'04	26°20	21°27	8°20	14°33	18°14	7°18	29°47	1° 1	26°45	15°50	16°59	0 ¹ 6	28°39	W 3
T 4	6 53 6	13°23'16	10 ³ 1	22°46	9°34	15°20	18°24	7°20	29°51	1° 4	26°45	15°38	16°56	0°13	28°40	T 4
F 5	6 57 2	14°24'27	23°59	24° 7	10°48	16° 6	18°34	7°23	29°54	1° 6	26°46	15°28	16°53	0°19	28°42	F 5
S 6	7 0 59	15°25'38	8 ² 8	25°28	12° 2	16°52	18°44	7°26	29°58	1° 8	26°46	15°21	16°50	0°26	28°43	S 6
S 7	7 4 55	16°26'49	22°25	26°51	13°16	17°39	18°54	7°29	0 ³ 1	1°10	26°47	15°16	16°46	0°32	28°45	S 7
M 8	7 8 52	17°27'59	6 ¹ 43	28°15	14°30	18°25	19° 5	7°32	0° 5	1°13	26°48	15°14	16°43	0°39	28°46	M 8
T 9	7 12 49	18°29'08	21° 0	29°39	15°44	19°12	19°15	7°35	0° 8	1°15	26°48	15°D14	16°40	0°46	28°48	T 9
W10	7 16 45	19°30'17	5 ¹ 13	1 ³ 4	16°58	19°58	19°25	7°38	0°12	1°17	26°49	15°14	16°37	0°52	28°50	W10
T11	7 20 42	20°31'25	19°20	2°30	18°12	20°45	19°36	7°41	0°15	1°19	26°50	15°R15	16°34	0°59	28°51	T11
F12	7 24 38	21°32'33	3 ¹ 19	3°57	19°26	21°32	19°47	7°45	0°19	1°21	26°50	15°14	16°30	1° 6	28°53	F12
S13	7 28 35	22°33'40	17°12	5°25	20°40	22°18	19°58	7°48	0°22	1°23	26°51	15°12	16°27	1°12	28°55	S13
S14	7 32 31	23°34'46	0 ¹ 55	6°53	21°54	23° 5	20° 9	7°52	0°26	1°26	26°52	15° 6	16°24	1°19	28°57	S14
M15	7 36 28	24°35'52	14°30	8°22	23° 8	23°52	20°20	7°56	0°29	1°28	26°53	14°59	16°21	1°26	28°59	M15
T16	7 40 24	25°36'56	27°53	9°51	24°22	24°38	20°31	8° 0	0°32	1°30	26°54	14°51	16°18	1°32	29° 1	T16
W17	7 44 21	26°38'00	11 ¹ 6	11°21	25°36	25°25	20°42	8° 3	0°36	1°32	26°54	14°42	16°15	1°39	29° 3	W17
T18	7 48 18	27°39'04	24° 1	12°52	26°50	26°12	20°53	8° 7	0°39	1°34	26°55	14°33	16°11	1°46	29° 5	T18
F19	7 52 14	28°40'06	6 ¹ 43	14°23	28° 4	26°59	21° 5	8°12	0°42	1°36	26°56	14°26	16° 8	1°52	29° 7	F19
S20	7 56 11	29°41'08	19°10	15°55	29°18	27°45	21°16	8°16	0°46	1°38	26°57	14°21	16° 5	1°59	29° 9	S20
S21	8 0 7	0 ¹ 42'09	1 ¹ 24	17°27	0 ³ 33	28°32	21°28	8°20	0°49	1°40	26°58	14°18	16° 2	2° 6	29°11	S21
M22	8 4 4	1°43'10	13°25	19° 0	1°47	29°19	21°40	8°24	0°52	1°42	26°59	14°D17	15°59	2°12	29°14	M22
T23	8 8 0	2°44'10	25°18	20°34	3° 1	0 ¹ 6	21°52	8°29	0°55	1°44	27° 0	14°17	15°56	2°19	29°16	T23
W24	8 11 57	3°45'09	7 ¹ 5	22° 8	4°15	0°53	22° 4	8°33	0°59	1°46	27° 1	14°19	15°52	2°26	29°18	W24
T25	8 15 53	4°46'08	18°55	23°43	5°30	1°40	22°16	8°38	1° 2	1°48	27° 2	14°20	15°49	2°32	29°21	T25
F26	8 19 50	5°47'06	0 ¹ 48	25°19	6°44	2°27	22°28	8°42	1° 5	1°50	27° 3	14°R22	15°46	2°39	29°23	F26
S27	8 23 47	6°48'03	12°51	26°55	7°58	3°14	22°40	8°47	1° 8	1°52	27° 4	14°21	15°43	2°45	29°25	S27
S28	8 27 43	7°49'00	25° 9	28°32	9°12	4° 1	22°52	8°52	1°11	1°54	27° 5	14°20	15°40	2°52	29°28	S28
M29	8 31 40	8°49'56	7 ¹ 46	0 ¹ 9	10°27	4°48	23° 5	8°57	1°14	1°56	27° 6	14°17	15°36	2°59	29°30	M29
T30	8 35 36	9°50'52	20°47	1°48	11°41	5°35	23°17	9° 2	1°17	1°58	27° 7	14°12	15°33	3° 5	29°33	T30
W31	8 39 33	10 ¹ 51'46	4 ¹ 13	3 ¹ 27	12 ¹ 56	6 ¹ 22	23 ¹ 30	9°17	1°20	2° 0	27°18	14°17	15°30	3°12	29°36	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	23s 4	24s55	4s51	21s51	1n 9	19s40	1n40	23s44	0s55	5s54	1s13	0n36	2s28	23s40	0s12	22s22
T 2	22 59	27 23	5 3	22 5	1 1	19 55	1 38	23 40	0 55	5 50	1 13	0 37	2 28	23 40	0 12	22 22
W 3	22 53	28 23	4 58	22 19	0 52	20 9	1 36	23 35	0 56	5 46	1 13	0 39	2 27	23 40	0 12	22 22
T 4	22 47	27 41	4 37	22 32	0 44	20 22	1 33	23 31	0 56	5 42	1 13	0 40	2 27	23 40	0 12	22 22
F 5	22 41	25 15	3 58	22 45	0 36	20 35	1 31	23 25	0 56	5 38	1 13	0 41	2 27	23 40	0 12	22 22
S 6	22 34	21 13	3 5	22 56	0 27	20 47	1 29	23 20	0 57	5 34	1 12	0 42	2 27	23 40	0 12	22 22
S 7	22 27	15 56	1 59	23 6	0 19	20 59	1 26	23 14	0 57	5 30	1 12	0 44	2 26	23 40	0 12	22 22
M 8	22 19	9 45	0 45	23 16	0 11	21 10	1 24	23 9	0 57	5 26	1 12	0 45	2 26	23 40	0 12	22 22
T 9	22 11	3 6	0n31	23 25	0 3	21 21	1 22	23 2	0 58	5 22	1 12	0 47	2 26	23 40	0 12	22 22
W10	22 3	3n41	1 45	23 32	0s 4	21 31	1 19	22 56	0 58	5 17	1 12	0 48	2 26	23 40	0 12	22 22
T11	21 54	10 14	2 52	23 38	0 12	21 40	1 17	22 49	0 58	5 13	1 12	0 50	2 25	23 40	0 12	22 22
F12	21 44	16 13	3 49	23 44	0 19	21 49	1 14	22 42	0 59	5 9	1 11	0 51	2 25	23 40	0 12	22 22
S13	21 34	21 19	4 31	23 48	0 26	21 57	1 11	22 35	0 59	5 4	1 11	0 53	2 25	23 40	0 12	22 22
S14	21 24	25 13	4 57	23 51	0 33	22 4	1 9	22 28	0 59	5 0	1 11	0 55	2 25	23 40	0 12	22 22
M15	21 14	27 38	5 7	23 52	0 40	22 11	1 6	22 20	0 59	4 55	1 11	0 56	2 24	23 40	0 12	22 22
T16	21 3	28 26	4 59	23 53	0 47	22 17	1 3	22 12	1 0	4 51	1 11	0 58	2 24	23 40	0 12	22 22
W17	20 51	27 34	4 35	23 52	0 53	22 23	1 1	22 4	1 0	4 46	1 11	1 0	2 24	23 40	0 12	22 22
T18	20 39	25 14	3 58	23 50	1 0	22 28	0 58	21 55	1 0	4 42	1 10	1 1	2 24	23 40	0 12	22 22
F19	20 27	21 40	3 9	23 46	1 6	22 32	0 55	21 46	1 0	4 37	1 10	1 3	2 23	23 40	0 12	22 22
S20	20 14	17 10	2 12	23 42	1 11	22 35	0 52	21 37	1 1	4 32	1 10	1 5	2 23	23 40	0 12	22 22
S21	20 1	12 4	1 9	23 36	1 17	22 38	0 50	21 28	1 1	4 28	1 10	1 7	2 23	23 40	0 12	22 22
M22	19 48	6 36	0 5	23 28	1 22	22 40	0 47	21 19	1 1	4 23	1 10	1 9	2 23	23 40	0 12	22 22
T23	19 34	0 57	1s 0	23 19	1 27	22 42	0 44	21 9	1 1	4 18	1 10	1 11	2 23	23 40	0 12	22 22
W24	19 20	4s41	2 1	23 9	1 32	22 43	0 41	20 59	1 2	4 13	1 10	1 13	2 22	23 40	0 12	22 22
T25	19 6	10 9	2 57	22 58	1 36	22 43	0 38	20 49	1 2	4 8	1 10	1 15	2 22	23 40	0 12	22 21
F26	18 51	15 18	3 46	22 45	1 40	22 42	0 35	20 39	1 2	4 3	1 9	1 17	2 22	23 40	0 13	22 21
S27	18 36	19 56	4 26	22 30	1 44	22 41	0 32	20 28	1 2	3 58	1 9	1 19	2 22	23 40	0 13	22 21
S28	18 20	23 50	4 55	22 14	1 48	22 39	0 30	20 17	1 2	3 53	1 9	1 21	2 22	23 40	0 13	22 21
M29	18 4	26 43	5 10	21 57	1 51	22 37	0 27	20 6	1 3	3 48	1 9	1 23	2 21	23 40	0 13	22 21
T30	17 48	28 18	5 10	21 38	1 54	22 33	0 24	19 55	1 3	3 43	1 9	1 25	2 21	23 40	0 13	22 21
W31	17s32	28s17	4s53	21s18	1s57	22s29	0n21	19s43	1s 3	3s38	1s 9	1n27	2s21	23s40	0s13	22s21

Julian Day Number = 2386166.5, Delta T = 16.34 sec
Ecliptic obliquity = 23°27'54, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°14'27, Lahiri = 21°21'28

ASTRODIENST EPHEMERIS for the year 1821

geocentric

FEBRUARY 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 29	11 ⁵² 40	18 ³ 4	5 ⁶ 6	14 ³ 10	7 ⁶ 9	23 ⁴ 42	9 ¹² 12	1 ²³ 23	2 ² 2	27 ⁹ 9	14 ^R 1	15 ²⁷ 27	3 ¹⁹ 19	29 ³⁸ 38	T 1
F 2	8 47 26	12 ⁵³ 32	2 ¹⁷ 17	6 ⁴⁷ 47	15 ²⁴ 24	7 ⁵⁶ 56	23 ⁵⁵ 55	9 ¹⁷ 17	1 ²⁶ 26	2 ⁴ 4	27 ¹⁰ 10	13 ⁵⁶ 56	15 ²⁴ 24	3 ²⁵ 25	29 ⁴¹ 41	F 2
S 3	8 51 22	13 ⁵⁴ 24	16 ⁴⁸ 48	8 ²⁸ 28	16 ³⁹ 39	8 ⁴³ 43	24 ⁸ 8	9 ²³ 23	1 ²⁹ 29	2 ⁵ 5	27 ¹² 12	13 ⁵³ 53	15 ²¹ 21	3 ³² 32	29 ⁴⁴ 44	S 3
S 4	8 55 19	14 ⁵⁵ 14	1 ³¹ 31	10 ¹⁰ 10	17 ⁵³ 53	9 ³¹ 31	24 ²⁰ 20	9 ²⁸ 28	1 ³² 32	2 ⁷ 7	27 ¹³ 13	13 ⁵¹ 51	15 ¹⁷ 17	3 ³⁹ 39	29 ⁴⁷ 47	S 4
M 5	8 59 16	15 ⁵⁶ 03	16 ¹⁷ 17	11 ⁵³ 53	19 ⁷ 7	10 ¹⁸ 18	24 ³³ 33	9 ³³ 33	1 ³⁵ 35	2 ⁹ 9	27 ¹⁴ 14	13 ^{D50} 50	15 ¹⁴ 14	3 ⁴⁵ 45	29 ⁴⁹ 49	M 5
T 6	9 3 12	16 ⁵⁶ 50	1 ⁰ 0	13 ³⁶ 36	20 ²² 22	11 ⁵ 5	24 ⁴⁶ 46	9 ³⁹ 39	1 ³⁸ 38	2 ¹¹ 11	27 ¹⁵ 15	13 ⁵¹ 51	15 ¹¹ 11	3 ⁵² 52	29 ⁵² 52	T 6
W 7	9 7 9	17 ⁵⁷ 36	15 ³⁵ 35	15 ²¹ 21	21 ³⁶ 36	11 ⁵² 52	24 ⁵⁹ 59	9 ⁴⁴ 44	1 ⁴⁰ 40	2 ¹² 12	27 ¹⁶ 16	13 ⁵² 52	15 ⁸ 8	3 ⁵⁹ 59	29 ⁵⁵ 55	W 7
T 8	9 11 5	18 ⁵⁸ 20	29 ⁵⁶ 56	17 ⁶ 6	22 ⁵¹ 51	12 ³⁹ 39	25 ¹² 12	9 ⁵⁰ 50	1 ⁴³ 43	2 ¹⁴ 14	27 ¹⁷ 17	13 ⁵⁴ 54	15 ⁵ 5	4 ⁵ 5	29 ⁵⁸ 58	T 8
F 9	9 15 2	19 ⁵⁹ 03	14 ⁸ 2	18 ⁵² 52	24 ⁵ 5	13 ²⁶ 26	25 ²⁶ 26	9 ⁵⁶ 56	1 ⁴⁶ 46	2 ¹⁶ 16	27 ¹⁹ 19	13 ^{R55} 55	15 ² 2	4 ¹² 12	0 ¹ 1	F 9
S 10	9 18 58	20 ⁵⁹ 44	27 ⁵² 52	20 ³⁸ 38	25 ¹⁹ 19	14 ¹⁴ 14	25 ³⁹ 39	10 ² 2	1 ⁴⁹ 49	2 ¹⁷ 17	27 ²⁰ 20	13 ⁵⁵ 55	14 ⁵⁸ 58	4 ¹⁹ 19	0 ⁴ 4	S 10
S 11	9 22 55	22 ⁰ 23	11 ²⁴ 24	22 ²⁶ 26	26 ³⁴ 34	15 ¹ 1	25 ⁵² 52	10 ⁷ 7	1 ⁵¹ 51	2 ¹⁹ 19	27 ²¹ 21	13 ⁵⁴ 54	14 ⁵⁵ 55	4 ²⁵ 25	0 ⁷ 7	S 11
M 12	9 26 51	23 ¹ 01	24 ⁴¹ 41	24 ¹⁴ 14	27 ⁴⁸ 48	15 ⁴⁸ 48	26 ⁵ 5	10 ¹³ 13	1 ⁵⁴ 54	2 ²¹ 21	27 ²³ 23	13 ⁵¹ 51	14 ⁵² 52	4 ³² 32	0 ¹⁰ 10	M 12
T 13	9 30 48	24 ¹ 37	7 ⁴³ 43	26 ³ 3	29 ³ 3	16 ³⁵ 35	26 ¹⁹ 19	10 ¹⁹ 19	1 ⁵⁶ 56	2 ²² 22	27 ²⁴ 24	13 ⁴⁹ 49	14 ⁴⁹ 49	4 ³⁹ 39	0 ¹³ 13	T 13
W 14	9 34 45	25 ² 11	20 ³¹ 31	27 ⁵³ 53	0 ¹⁷ 17	17 ²³ 23	26 ³² 32	10 ²⁵ 25	1 ⁵⁹ 59	2 ²⁴ 24	27 ²⁵ 25	13 ⁴⁶ 46	14 ⁴⁶ 46	4 ⁴⁵ 45	0 ¹⁶ 16	W 14
T 15	9 38 41	26 ² 44	3 ⁶ 6	29 ⁴³ 43	1 ³² 32	18 ¹⁰ 10	26 ⁴⁶ 46	10 ³¹ 31	2 ¹ 1	2 ²⁵ 25	27 ²⁶ 26	13 ⁴³ 43	14 ⁴² 42	4 ⁵² 52	0 ¹⁹ 19	T 15
F 16	9 42 38	27 ³ 14	15 ²⁹ 29	1 ³⁴ 34	2 ⁴⁶ 46	18 ⁵⁷ 57	26 ⁵⁹ 59	10 ³⁷ 37	2 ⁴ 4	2 ²⁷ 27	27 ²⁸ 28	13 ⁴⁰ 40	14 ³⁹ 39	4 ⁵⁹ 59	0 ²² 22	F 16
S 17	9 46 34	28 ³ 44	27 ⁴² 42	3 ²⁶ 26	4 ⁰ 0	19 ⁴⁵ 45	27 ¹³ 13	10 ⁴⁴ 44	2 ⁶ 6	2 ²⁸ 28	27 ²⁹ 29	13 ³⁹ 39	14 ³⁶ 36	5 ⁵ 5	0 ²⁶ 26	S 17
S 18	9 50 31	29 ⁴ 11	9 ⁴⁵ 45	5 ¹⁸ 18	5 ¹⁵ 15	20 ³² 32	27 ²⁷ 27	10 ⁵⁰ 50	2 ⁹ 9	2 ³⁰ 30	27 ³⁰ 30	13 ^{D38} 38	14 ³³ 33	5 ¹² 12	0 ²⁹ 29	S 18
M 19	9 54 27	0 ⁴ 37	21 ⁴¹ 41	7 ¹⁰ 10	6 ²⁹ 29	21 ¹⁹ 19	27 ⁴⁰ 40	10 ⁵⁶ 56	2 ¹¹ 11	2 ³¹ 31	27 ³² 32	13 ³⁸ 38	14 ³⁰ 30	5 ¹⁹ 19	0 ³² 32	M 19
T 20	9 58 24	1 ⁵ 02	3 ³² 32	9 ³ 3	7 ⁴⁴ 44	22 ⁶ 6	27 ⁵⁴ 54	11 ³ 3	2 ¹³ 13	2 ³³ 33	27 ³³ 33	13 ³⁹ 39	14 ²⁷ 27	5 ²⁵ 25	0 ³⁵ 35	T 20
W 21	10 2 20	2 ⁵ 25	15 ²⁰ 20	10 ⁵⁵ 55	8 ⁵⁸ 58	22 ⁵⁴ 54	28 ⁸ 8	11 ⁹ 9	2 ¹⁵ 15	2 ³⁴ 34	27 ³⁵ 35	13 ⁴⁰ 40	14 ²³ 23	5 ³² 32	0 ³⁸ 38	W 21
T 22	10 6 17	3 ⁵ 46	27 ⁹ 9	12 ⁴⁷ 47	10 ¹³ 13	23 ⁴¹ 41	28 ²² 22	11 ¹⁵ 15	2 ¹⁸ 18	2 ³⁵ 35	27 ³⁶ 36	13 ⁴¹ 41	14 ²⁰ 20	5 ³⁸ 38	0 ⁴² 42	T 22
F 23	10 10 14	4 ⁶ 06	9 ¹² 12	14 ³⁹ 39	11 ²⁷ 27	24 ²⁸ 28	28 ³⁶ 36	11 ²² 22	2 ²⁰ 20	2 ³⁷ 37	27 ³⁷ 37	13 ⁴² 42	14 ¹⁷ 17	5 ⁴⁵ 45	0 ⁴⁵ 45	F 23
S 24	10 14 10	5 ⁶ 25	21 ⁴ 4	16 ³¹ 31	12 ⁴¹ 41	25 ¹⁶ 16	28 ⁵⁰ 50	11 ²⁸ 28	2 ²² 22	2 ³⁸ 38	27 ³⁹ 39	13 ⁴³ 43	14 ¹⁴ 14	5 ⁵² 52	0 ⁴⁸ 48	S 24
S 25	10 18 7	6 ⁶ 42	3 ²⁰ 20	18 ²¹ 21	13 ⁵⁶ 56	26 ³ 3	29 ³ 3	11 ³⁵ 35	2 ²⁴ 24	2 ³⁹ 39	27 ⁴⁰ 40	13 ^{R43} 43	14 ¹¹ 11	5 ⁵⁸ 58	0 ⁵² 52	S 25
M 26	10 22 3	7 ⁶ 58	15 ⁵³ 53	20 ¹⁰ 10	15 ¹⁰ 10	26 ⁵⁰ 50	29 ¹⁷ 17	11 ⁴² 42	2 ²⁶ 26	2 ⁴¹ 41	27 ⁴² 42	13 ⁴³ 43	14 ⁸ 8	6 ⁵ 5	0 ⁵⁵ 55	M 26
T 27	10 26 0	8 ⁷ 12	28 ⁴⁹ 49	21 ⁵⁷ 57	16 ²⁵ 25	27 ³⁸ 38	29 ³² 32	11 ⁴⁸ 48	2 ²⁸ 28	2 ⁴² 42	27 ⁴³ 43	13 ⁴³ 43	14 ⁴ 4	6 ¹² 12	0 ⁵⁹ 59	T 27
W 28	10 29 56	9 ⁷ 25	12 ³ 9	23 ⁴ 4	17 ³⁹ 39	28 ²⁵ 25	29 ⁴⁶ 46	11 ⁵⁵ 55	2 ³⁰ 30	2 ⁴³ 43	27 ⁴⁴ 44	13 ⁴² 42	14 ¹ 1	6 ¹⁸ 18	1 ¹ 2	W 28

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ASTRODIENST EPHEMERIS for the year 1821

geocentric

MARCH 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 33 53	10° 7'37	25° 3'57	25° 24'	18° 54'	29° 12'	29° 59'	12° 2'	2° 32'	2° 44'	27° 46'	13° 42'	13° 58'	6° 25'	1° 5'	T 1	
F 2	10 37 49	11° 7'46	10° 11'	27° 3'	20° 8'	29° 59'	0° 14'	12° 9'	2° 34'	2° 45'	27° 47'	13° 42'	13° 55'	6° 32'	1° 9'	F 2	
S 3	10 41 46	12° 7'54	24° 48'	28° 38'	21° 23'	0° 47'	0° 28'	12° 16'	2° 36'	2° 46'	27° 49'	13° 41'	13° 52'	6° 38'	1° 12'	S 3	
S 4	10 45 43	13° 8'00	9° 43'	0° 9'	22° 37'	1° 34'	0° 42'	12° 23'	2° 37'	2° 47'	27° 50'	13° 41'	13° 48'	6° 45'	1° 16'	S 4	
M 5	10 49 39	14° 8'04	24° 49'	1° 35'	23° 52'	2° 21'	0° 57'	12° 30'	2° 39'	2° 48'	27° 52'	13° 41'	13° 45'	6° 52'	1° 19'	M 5	
T 6	10 53 36	15° 8'06	9° 55'	2° 56'	25° 6'	3° 9'	1° 11'	12° 37'	2° 41'	2° 49'	27° 53'	13° 41'	13° 42'	6° 58'	1° 23'	T 6	
W 7	10 57 32	16° 8'07	24° 53'	4° 11'	26° 20'	3° 56'	1° 25'	12° 44'	2° 42'	2° 50'	27° 55'	13° 41'	13° 39'	7° 5'	1° 26'	W 7	
T 8	11 1 29	17° 8'05	9° 53'	5° 19'	27° 35'	4° 43'	1° 39'	12° 51'	2° 44'	2° 51'	27° 56'	13° 41'	13° 36'	7° 12'	1° 30'	T 8	
F 9	11 5 25	18° 8'01	23° 59'	6° 20'	28° 49'	5° 30'	1° 54'	12° 58'	2° 46'	2° 52'	27° 58'	13° 40'	13° 33'	7° 18'	1° 33'	F 9	
S 10	11 9 22	19° 7'55	7° 11'57	7° 14'	0° 4'	6° 18'	2° 8'	13° 5'	2° 47'	2° 53'	27° 59'	13° 40'	13° 29'	7° 25'	1° 37'	S 10	
S 11	11 13 18	20° 7'46	21° 32'	8° 1'	1° 18'	7° 5'	2° 22'	13° 12'	2° 48'	2° 54'	28° 1'	13° 40'	13° 26'	7° 32'	1° 41'	S 11	
M 12	11 17 15	21° 7'36	4° 43'	8° 39'	2° 32'	7° 52'	2° 37'	13° 19'	2° 50'	2° 55'	28° 2'	13° 40'	13° 23'	7° 38'	1° 44'	M 12	
T 13	11 21 12	22° 7'23	17° 34'	9° 9'	3° 47'	8° 39'	2° 51'	13° 26'	2° 51'	2° 55'	28° 4'	13° 41'	13° 20'	7° 45'	1° 48'	T 13	
W 14	11 25 8	23° 7'07	0° 8'	9° 30'	5° 1'	9° 27'	3° 6'	13° 34'	2° 52'	2° 56'	28° 5'	13° 42'	13° 17'	7° 52'	1° 51'	W 14	
T 15	11 29 5	24° 6'50	12° 27'	9° 43'	6° 16'	10° 14'	3° 20'	13° 41'	2° 54'	2° 57'	28° 7'	13° 43'	13° 13'	7° 58'	1° 55'	T 15	
F 16	11 33 1	25° 6'30	24° 36'	9° 48'	7° 30'	11° 1'	3° 35'	13° 48'	2° 55'	2° 58'	28° 8'	13° 44'	13° 10'	8° 5'	1° 59'	F 16	
S 17	11 36 58	26° 6'08	6° 36'	9° 45'	8° 44'	11° 48'	3° 49'	13° 55'	2° 56'	2° 58'	28° 10'	13° 44'	13° 7'	8° 12'	2° 2'	S 17	
S 18	11 40 54	27° 5'44	18° 30'	9° 33'	9° 59'	12° 35'	4° 4'	14° 3'	2° 57'	2° 59'	28° 11'	13° 44'	13° 4'	8° 18'	2° 6'	S 18	
M 19	11 44 51	28° 5'18	0° 42'	9° 14'	11° 13'	13° 22'	4° 18'	14° 10'	2° 58'	2° 59'	28° 13'	13° 44'	13° 1'	8° 25'	2° 9'	M 19	
T 20	11 48 47	29° 4'50	12° 9'	8° 48'	12° 27'	14° 9'	4° 33'	14° 18'	2° 59'	3° 0'	28° 14'	13° 42'	12° 58'	8° 32'	2° 13'	T 20	
W 21	11 52 44	0° 4'20	23° 58'	8° 16'	13° 42'	14° 56'	4° 47'	14° 25'	3° 0'	3° 0'	28° 16'	13° 40'	12° 54'	8° 38'	2° 17'	W 21	
T 22	11 56 41	1° 3'48	5° 50'	7° 38'	14° 56'	15° 44'	5° 2'	14° 32'	3° 1'	3° 1'	28° 17'	13° 37'	12° 51'	8° 45'	2° 20'	T 22	
F 23	12 0 37	2° 3'14	17° 48'	6° 55'	16° 10'	16° 31'	5° 16'	14° 40'	3° 2'	3° 1'	28° 19'	13° 34'	12° 48'	8° 52'	2° 24'	F 23	
S 24	12 4 34	3° 2'39	29° 53'	6° 8'	17° 25'	17° 18'	5° 31'	14° 47'	3° 2'	3° 2'	28° 20'	13° 32'	12° 45'	8° 58'	2° 28'	S 24	
S 25	12 8 30	4° 2'01	12° 10'	5° 19'	18° 39'	18° 5'	5° 45'	14° 55'	3° 3'	3° 2'	28° 22'	13° 29'	12° 42'	9° 5'	2° 31'	S 25	
M 26	12 12 27	5° 1'22	24° 42'	4° 28'	19° 53'	18° 52'	6° 0'	15° 2'	3° 4'	3° 3'	28° 23'	13° 28'	12° 39'	9° 12'	2° 35'	M 26	
T 27	12 16 23	6° 0'41	7° 33'	3° 37'	21° 7'	19° 39'	6° 14'	15° 10'	3° 4'	3° 3'	28° 25'	13° 28'	12° 35'	9° 18'	2° 38'	T 27	
W 28	12 20 20	6° 59'58	20° 45'	2° 46'	22° 22'	20° 26'	6° 29'	15° 17'	3° 5'	3° 3'	28° 26'	13° 28'	12° 32'	9° 25'	2° 42'	W 28	
T 29	12 24 16	7° 59'14	4° 22'	1° 56'	23° 36'	21° 12'	6° 43'	15° 25'	3° 6'	3° 3'	28° 28'	13° 29'	12° 29'	9° 32'	2° 46'	T 29	
F 30	12 28 13	8° 58'28	18° 26'	1° 9'	24° 50'	21° 59'	6° 58'	15° 32'	3° 6'	3° 4'	28° 29'	13° 31'	12° 26'	9° 38'	2° 49'	F 30	
S 31	12 32 10	9° 57'39	2° 55'	0° 24'	26° 4'	22° 46'	7° 12'	15° 40'	3° 6'	3° 4'	28° 31'	13° 32'	12° 23'	9° 45'	2° 53'	S 31	

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s47	24s50	3s55	1s38	0n13	16s 1	0s54	12s47	1s 5	1s 1	1s 6	2n40	2s17	23s40	0s13	22s20	1n 6	15s25	15s52	6s25	6s19	4s22	3n 7	2n55			
F 2	7 24	20 32	2 56	0 47	0 25	15 40	0 56	12 30	1 5	0 55	1 6	2 43	2 16	23 40	0 13	22 20	1 6	15 24	15 52	6 25	6 20	4 25	3 8	2 55			
S 3	7 1	14 53	1 43	0n 3	0 39	15 18	0 58	12 14	1 5	0 50	1 6	2 46	2 16	23 39	0 13	22 20	1 6	15 23	15 52	6 25	6 21	4 28	3 10	2 55			
S 4	6 38	8 16	0 22	0 51	0 52	14 56	0 59	11 57	1 5	0 44	1 6	2 48	2 16	23 39	0 13	22 20	1 6	15 23	15 52	6 25	6 23	4 32	3 11	2 55			
M 5	6 15	1 7	1n 1	1 38	1 6	14 33	1 1	11 40	1 5	0 38	1 6	2 51	2 16	23 39	0 13	22 20	1 6	15 22	15 52	6 25	6 24	4 35	3 12	2 55			
T 6	5 52	6n 5	2 21	2 23	1 19	14 10	1 3	11 23	1 5	0 32	1 6	2 54	2 16	23 39	0 13	22 20	1 7	15 21	15 52	6 25	6 25	4 38	3 13	2 55			
W 7	5 29	12 54	3 30	3 5	1 33	13 46	1 5	11 5	1 5	0 27	1 6	2 57	2 16	23 39	0 13	22 20	1 7	15 21	15 52	6 25	6 26	4 42	3 15	2 55			
T 8	5 5	18 52	4 23	3 45	1 47	13 22	1 7	10 48	1 5	0 21	1 6	3 0	2 16	23 39	0 13	22 20	1 7	15 20	15 52	6 25	6 27	4 45	3 16	2 55			
F 9	4 42	23 37	4 59	4 22	2 0	12 58	1 8	10 31	1 5	0 15	1 6	3 2	2 16	23 39	0 13	22 19	1 7	15 20	15 52	6 26	6 29	4 49	3 17	2 55			
S 10	4 18	26 51	5 16	4 55	2 13	12 33	1 10	10 13	1 5	0 9	1 6	3 5	2 16	23 39	0 13	22 19	1 7	15 19	15 52	6 26	6 30	4 52	3 19	2 54			
S 11	3 55	28 26	5 15	5 25	2 26	12 8	1 11	9 55	1 5	0 4	1 6	3 8	2 16	23 39	0 13	22 19	1 7	15 18	15 51	6 26	6 31	4 55	3 20	2 54			
M 12	3 31	28 19	4 57	5 51	2 37	11 43	1 13	9 38	1 5	0n 2	1 6	3 11	2 15	23 39	0 13	22 19	1 7	15 18	15 51	6 26	6 32	4 59	3 21	2 54			
T 13	3 8	26 40	4 24	6 12	2 48	11 17	1 14	9 20	1 5	0 8	1 6	3 14	2 15	23 39	0 13	22 19	1 7	15 17	15 51	6 25	6 34	5 2	3 23	2 54			
W 14	2 44	23 43	3 39	6 30	2 58	10 51	1 16	9 2	1 5	0 14	1 6	3 17	2 15	23 39	0 13	22 19	1 7	15 16	15 51	6 25	6 35	5 6	3 24	2 54			
T 15	2 20	19 43	2 45	6 44	3 7	10 25	1 17	8 44	1 4	0 19	1 6	3 20	2 15	23 39	0 13	22 19	1 7	15 16	15 51	6 25	6 36	5 9	3 25	2 54			
F 16	1 57	14 58	1 44	6 52	3 15	9 58	1 18	8 26	1 4	0 25	1 6	3 22	2 15	23 39	0 13	22 19	1 7	15 15	15 51	6 24	6 37	5 12	3 27	2 54			
S 17	1 33	9 43	0 40	6 57	3 21	9 32	1 19	8 8	1 4	0 31	1 6	3 25	2 15	23 39	0 13	22 19	1 7	15 15	15 51	6 24	6 38	5 16	3 28	2 54			
S 18	1 9	4 9	0s26	6 57	3 26	9 4	1 20	7 50	1 4	0 37	1 6	3 28	2 15	23 39	0 13	22 19	1 7	15 14	15 51	6 24	6 40	5 19	3 29	2 54			
M 19	0 46	1s31	1 31	6 52	3 29	8 37	1 21	7 32	1 4	0 42	1 6	3 31	2 15	23 39	0 13	22 19	1 7	15 13	15 51	6 24	6 41	5 22	3 31	2 54			
T 20	0 22	7 7	2 31	6 43	3 31	8 10	1 22	7 13	1 4	0 48	1 6	3 34	2 15	23 39	0 13	22 19	1 7	15 13	15 51	6 25	6 42	5 26	3 32	2 54			
W 21	0n 2	12 29	3 25	6 30	3 30	7 42	1 23	6 55	1 4	0 54	1 6	3 37	2 15	23 39	0 13	22 19	1 7	15 12	15 51	6 26	6 43	5 29	3 34	2 54			
T 22	0 25	17 24	4 10	6 13	3 28	7 14	1 24	6 37	1 3	1 0	1 6	3 40	2 15	23 39	0 14	22 19	1 7	15 12	15 51	6 27	6 44	5 32	3 35	2 53			
F 23	0 49	21 42	4 44	5 52	3 24	6 46	1 25	6 18	1 3	1 6	1 6	3 43	2 15	23 39	0 14	22 19	1 7	15 11	15 51	6 28	6 46	5 36	3 36	2 53			
S 24	1 13	25 8	5 6	5 28	3 18	6 17	1 25	6 0	1 3	1 11	1 6	3 46	2 15	23 39	0 14	22 19	1 7	15 10	15 51	6 29	6 47	5 39	3 38	2 53			
S 25	1 36	27 29	5 15	5 2	3 11	5 49	1 26	5 41	1 3	1 17	1 6	3 49	2 15	23 39	0 14	22 19	1 7	15 10	15 52	6 30	6 48	5 43	3 39	2 53			
M 26	2 0	28 31	5 9	4 33	3 2	5 20	1 27	5 22	1 3	1 23	1 6	3 52	2 15	23 39	0 14	22 19	1 7	15 9	15 52	6 30	6 49	5 46	3 41	2 53			
T 27	2 23	28 2	4 48	4 3	2 51	4 51	1 27	5 4	1 3	1 29	1 6	3 54	2 15	23 39	0 14	22 19	1 7	15 9	15 52	6 31	6 51	5 49	3 42	2 53			
W 28	2 47	26 0	4 11	3 32	2 39	4 22	1 28	4 45	1 2	1 34	1 6	3 57	2 15	23 39	0 14	22 19	1 7	15 8	15 52	6 30	6 52	5 53	3 43	2 53			
T 29	3 10	22 25	3 19	3 0	2 26	3 53	1 28	4 26	1 2	1 40	1 6	4 0	2 15	23 39	0 14	22 19	1 7	15 8	15 52	6 30	6 53	5 56	3 45	2 53			
F 30	3 34	17 26	2 14	2 28	2 12	3 24	1 28	4 8	1 2	1 46	1 6	4 3	2 15	23 39	0 14	22 19	1 7	15 7	15 52	6 29	6 54	5 59	3 46	2 53			
S 31	3n57	11s21	0s58	1n57	1n57	2s55	1s28	3s49	1s 2	1n52	1s 6	4n 6	2s15	23s39	0s14	22s19	1n 7	15s 7	15s52	6s29	6s55	6s 3	3n47	2n53			

ASTRODIENST EPHEMERIS for the year 1821
geocentric

MAY 1821

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 34 23	10♈15'48	26♊25	14♋45	4♌22	16♍43	14♎34	19♏32	2°R54	2°R53	29♐13	12°R 5	10♑44	13♒11	4♓38	T 1
W 2	14 38 19	11°13'59	11♈33	16° 6	5°36	17°29	14°48	19°39	2♓53	2♓52	29°14	11♈58	10°41	13°18	4°42	W 2
T 3	14 42 16	12°12'08	26°33	17°29	6°49	18°15	15° 2	19°46	2°52	2°52	29°16	11°49	10°38	13°25	4°45	T 3
F 4	14 46 12	13°10'15	11♈15	18°54	8° 3	19° 1	15°15	19°53	2°50	2°51	29°17	11°40	10°35	13°31	4°48	F 4
S 5	14 50 9	14° 8'20	25°34	20°22	9°17	19°46	15°29	20° 1	2°49	2°50	29°18	11°31	10°31	13°38	4°51	S 5
S 6	14 54 5	15° 6'23	9♉24	21°51	10°31	20°32	15°42	20° 8	2°48	2°49	29°19	11°24	10°28	13°45	4°54	S 6
M 7	14 58 2	16° 4'25	22°46	23°23	11°45	21°17	15°56	20°15	2°46	2°48	29°20	11°20	10°25	13°51	4°57	M 7
T 8	15 1 59	17° 2'24	5♊40	24°56	12°59	22° 3	16° 9	20°22	2°45	2°47	29°21	11°17	10°22	13°58	4°59	T 8
W 9	15 5 55	18° 0'22	18°10	26°32	14°13	22°48	16°23	20°29	2°43	2°46	29°22	11°D17	10°19	14° 5	5° 2	W 9
T 10	15 9 52	18°58'18	0♊22	28°10	15°27	23°33	16°36	20°36	2°42	2°45	29°23	11°17	10°16	14°11	5° 5	T 10
F 11	15 13 48	19°56'12	12°21	29°50	16°41	24°19	16°50	20°43	2°40	2°44	29°24	11°R17	10°12	14°18	5° 8	F 11
S 12	15 17 45	20°54'04	24°12	1♈31	17°55	25° 4	17° 3	20°50	2°39	2°43	29°25	11°16	10° 9	14°25	5°11	S 12
S 13	15 21 41	21°51'54	6♉ 0	3°15	19° 8	25°49	17°16	20°57	2°37	2°42	29°26	11°14	10° 6	14°31	5°13	S 13
M14	15 25 38	22°49'43	17°48	5° 1	20°22	26°34	17°29	21° 3	2°36	2°40	29°27	11° 8	10° 3	14°38	5°16	M14
T 15	15 29 34	23°47'30	29°41	6°49	21°36	27°20	17°42	21°10	2°34	2°39	29°28	11° 0	10° 0	14°45	5°19	T 15
W16	15 33 31	24°45'16	11♈41	8°39	22°50	28° 5	17°55	21°17	2°32	2°38	29°29	10°50	9°56	14°51	5°21	W16
T 17	15 37 28	25°43'00	23°49	10°31	24° 4	28°50	18° 8	21°24	2°30	2°37	29°30	10°38	9°53	14°58	5°24	T 17
F 18	15 41 24	26°40'43	6♊ 8	12°25	25°17	29°35	18°21	21°30	2°29	2°36	29°31	10°25	9°50	15° 5	5°27	F 18
S 19	15 45 21	27°38'25	18°36	14°21	26°31	0♌20	18°34	21°37	2°27	2°34	29°32	10°12	9°47	15°11	5°29	S 19
S 20	15 49 17	28°36'05	1♌16	16°19	27°45	1° 4	18°47	21°44	2°25	2°33	29°33	10° 1	9°44	15°18	5°32	S 20
M21	15 53 14	29°33'45	14° 7	18°19	28°59	1°49	18°59	21°50	2°23	2°32	29°34	9°52	9°41	15°25	5°34	M21
T 22	15 57 10	0♈31'23	27° 9	20°21	0♈13	2°34	19°12	21°57	2°21	2°31	29°35	9°46	9°37	15°31	5°36	T 22
W23	16 1 7	1°29'00	10♈25	22°24	1°26	3°19	19°24	22° 3	2°19	2°29	29°36	9°43	9°34	15°38	5°39	W23
T 24	16 5 4	2°26'36	23°56	24°29	2°40	4° 3	19°37	22° 9	2°17	2°28	29°36	9°42	9°31	15°45	5°41	T 24
F 25	16 9 0	3°24'11	7♈42	26°36	3°54	4°48	19°49	22°16	2°15	2°27	29°37	9°42	9°28	15°51	5°43	F 25
S 26	16 12 57	4°21'46	21°46	28°44	5° 8	5°33	20° 2	22°22	2°13	2°25	29°38	9°41	9°25	15°58	5°46	S 26
S 27	16 16 53	5°19'19	6♊ 6	0♈54	6°21	6°17	20°14	22°28	2°11	2°24	29°39	9°40	9°22	16° 5	5°48	S 27
M28	16 20 50	6°16'52	20°41	3° 4	7°35	7° 1	20°26	22°35	2° 9	2°23	29°39	9°36	9°18	16°12	5°50	M28
T 29	16 24 46	7°14'23	5♌26	5°15	8°49	7°46	20°38	22°41	2° 7	2°21	29°40	9°29	9°15	16°18	5°52	T 29
W30	16 28 43	8°11'54	20°15	7°27	10° 3	8°30	20°50	22°47	2° 5	2°20	29°41	9°20	9°12	16°25	5°54	W30
T 31	16 32 39	9♈ 9'24	4♈59	9♈39	11♈17	9♈15	21°ℓ 2	22°ℓ53	2♓ 3	2♓18	29♐42	9♐ 9	9♐ 9	16♑32	5♑56	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n55	13n31	3n34	3n 8	2s55	11n58	1s 5	5n48	0s51	4n43	1s 7	5n33	2s16	23s40	0s14	22s18	1n 8	14s55	15s57	7s 2	7s33	7s46	4n29	2n53
W 2	15 13	19 29	4 23	3 39	2 54	12 25	1 3	6 5	0 51	4 49	1 7	5 36	2 16	23 40	0 14	22 18	1 8	14 54	15 57	7 5	7 34	7 49	4 30	2 53
T 3	15 31	24 10	4 54	4 12	2 53	12 50	1 1	6 23	0 50	4 54	1 7	5 39	2 16	23 40	0 14	22 18	1 8	14 54	15 57	7 8	7 35	7 52	4 32	2 53
F 4	15 49	27 10	5 4	4 46	2 51	13 16	1 0	6 41	0 50	4 59	1 7	5 41	2 16	23 40	0 14	22 18	1 8	14 54	15 58	7 12	7 37	7 55	4 33	2 53
S 5	16 6	28 19	4 55	5 21	2 49	13 41	0 58	6 59	0 49	5 4	1 7	5 44	2 16	23 40	0 14	22 18	1 8	14 54	15 58	7 15	7 38	7 59	4 34	2 53
S 6	16 23	27 36	4 29	5 57	2 46	14 6	0 56	7 16	0 49	5 9	1 7	5 47	2 16	23 41	0 14	22 18	1 8	14 53	15 58	7 18	7 39	8 2	4 35	2 53
M 7	16 40	25 18	3 49	6 34	2 43	14 31	0 54	7 34	0 48	5 14	1 7	5 49	2 16	23 41	0 14	22 18	1 8	14 53	15 58	7 19	7 40	8 5	4 37	2 53
T 8	16 57	21 45	2 58	7 12	2 39	14 55	0 52	7 51	0 48	5 20	1 7	5 52	2 16	23 41	0 14	22 18	1 8	14 53	15 59	7 20	7 41	8 9	4 38	2 53
W 9	17 13	17 18	2 0	7 51	2 34	15 19	0 50	8 9	0 47	5 25	1 7	5 54	2 16	23 41	0 14	22 18	1 8	14 53	15 59	7 21	7 43	8 12	4 39	2 53
T 10	17 29	12 15	0 58	8 31	2 29	15 43	0 48	8 26	0 47	5 30	1 8	5 57	2 16	23 41	0 15	22 18	1 8	14 53	15 59	7 20	7 44	8 15	4 40	2 53
F 11	17 45	6 51	0s 6	9 11	2 24	16 6	0 46	8 43	0 46	5 35	1 8	5 59	2 16	23 41	0 15	22 18	1 8	14 52	16 0	7 20	7 45	8 18	4 41	2 53
S 12	18 0	1 16	1 8	9 52	2 17	16 29	0 44	9 0	0 46	5 40	1 8	6 2	2 17	23 41	0 15	22 18	1 8	14 52	16 0	7 21	7 46	8 22	4 42	2 53
S 13	18 15	4s20	2 7	10 34	2 11	16 51	0 42	9 17	0 45	5 45	1 8	6 4	2 17	23 41	0 15	22 18	1 8	14 52	16 0	7 22	7 47	8 25	4 43	2 53
M14	18 30	9 47	3 1	11 16	2 4	17 13	0 40	9 34	0 45	5 49	1 8	6 7	2 17	23 41	0 15	22 18	1 8	14 52	16 0	7 24	7 49	8 28	4 45	2 53
T 15	18 44	14 55	3 47	11 59	1 56	17 34	0 38	9 50	0 44	5 54	1 8	6 9	2 17	23 41	0 15	22 18	1 8	14 52	16 1	7 27	7 50	8 32	4 46	2 53
W16	18 59	19 31	4 23	12 41	1 48	17 55	0 36	10 7	0 44	5 59	1 8	6 11	2 17	23 41	0 15	22 18	1 8	14 52	16 1	7 31	7 51	8 35	4 47	2 53
T 17	19 12	23 24	4 48	13 25	1 40	18 16	0 34	10 24	0 43	6 4	1 8	6 14	2 17	23 41	0 15	22 18	1 8	14 52	16 1	7 35	7 52	8 38	4 48	2 53
F 18	19 26	26 16	5 0	14 8	1 31	18 36	0 31	10 40	0 43	6 9	1 8	6 16	2 17	23 41	0 15	22 18	1 8	14 52	16 2	7 40	7 53	8 41	4 49	2 53
S 19	19 39	27 55	4 58	14 52	1 22	18 55	0 29	10 56	0 42	6 14	1 8	6 19	2 17	23 41	0 15	22 18	1 8	14 52	16 2	7 45	7 55	8 45	4 50	2 53
S 20	19 52	28 8	4 41	15 35	1 12	19 15	0 27	11 12	0 42	6 18	1 9	6 21	2 18	23 41	0 15	22 18	1 8	14 51	16 2	7 49	7 56	8 48	4 51	2 53
M21	20 5	26 51	4 9	16 18	1 2	19 33	0 25	11 28	0 41	6 23	1 9	6 23	2 18	23 41	0 15	22 18	1 8	14 51	16 3	7 52	7 57	8 51	4 52	2 53
T 22	20 17	24 6	3 25	17 1	0 52	19 51	0 22	11 44	0 41	6 28	1 9	6 25	2 18	23 41	0 15	22 18	1 8	14 51	16 3	7 55	7 58	8 54	4 53	2 54
W23	20 29	20 1	2 28	17 43	0 42	20 9	0 20	12 0	0 40	6 32	1 9	6 28	2 18	23 41	0 15	22 18	1 8	14 51	16 3	7 56	7 59	8 58	4 54	2 54
T 24	20 40	14 51	1 22	18 24	0 31	20 26	0 18	12 16	0 40	6 37	1 9	6 30	2 18	23 41	0 15	22 18	1 8	14 51	16 4	7 57	8 1	9 1	4 55	2 54
F 25	20 51	8 51	0 11	19 5	0 21	20 42	0 15	12 31	0 39	6 42	1 9	6 32	2 18	23 41	0 15	22 18	1 8	14 51	16 4	7 57	8 2	9 4	4 56	2 54
S 26	21 2	2 18	1n 3	19 44	0 10	20 58	0 13	12 47	0 38	6 46	1 9	6 34	2 18	23 42	0 15	22 18	1 8	14 51	16 4	7 57	8 3	9 7	4 57	2 54
S 27	21 13	4n29	2 15	20 22	0n 0	21 13	0 11	13 2	0 38	6 51	1 9	6 37	2 19	23 42	0 15	22 18	1 8	14 51	16 5	7 57	8 4	9 11	4 58	2 54
M28	21 23	11 9	3 18	20 58	0 11	21 28	0 8	13 17	0 37	6 55	1 10	6 39	2 19	23 42	0 15	22 18	1 8	14 51	16 5	7 59	8 5	9 14	4 59	2 54
T 29	21 33	17 16	4 10	21 33	0 21	21 42	0 6	13 32	0 37	7 0	1 10	6 41	2 19	23 42	0 15	22 18	1 9	14 51	16 5	8 1	8 7	9 17	5 0	2 54
W30	21 42	22 23	4 44	22 6	0 32	21 55	0 4	13 47	0 36	7 4	1 10	6 43	2 19	23 42	0 15	22 18	1 9	14 51	16 6	8 5	8 8	9 20	5 1	2 54
T 31	21n51	26n 4	5n 0	22n36	0n42	22n 8	0s 1	14n 2	0s36	7n 8	1s10	6n45	2s19	23s42	0s15	22s18	1n 9	14s51	16s 6	8s 9	8s 9	9s23	5n 1	2n54

ASTRODIENST EPHEMERIS for the year 1821

geocentric

JUNE 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 36 36	10 ^{II} 6'54	19 ^{II} 31	11 ^{II} 51	12 ^{II} 30	9 ^{II} 59	21 ^{VI} 14	22 ^{VI} 59	2 ^R 0	2 ^R 17	29 ^{II} 42	8 ^R 58	9 ^{II} 6	16 ^{II} 38	5 ^{VI} 58	F 1
S 2	16 40 33	11° 4'22	3 ^{II} 44	14° 3	13°44	10°43	21°26	23° 5	1 ^{II} 58	2 ^{II} 15	29°43	8 ^{II} 47	9° 2	16°45	6° 0	S 2
S 3	16 44 29	12° 1'49	17°32	16°14	14°58	11°27	21°38	23°11	1°56	2°14	29°43	8°38	8°59	16°52	6° 2	S 3
M 4	16 48 26	12°59'15	0 ^{II} 54	18°25	16°12	12°11	21°49	23°16	1°54	2°12	29°44	8°31	8°56	16°58	6° 4	M 4
T 5	16 52 22	13°56'40	13°49	20°34	17°25	12°55	22° 1	23°22	1°51	2°11	29°45	8°27	8°53	17° 5	6° 6	T 5
W 6	16 56 19	14°54'03	26°22	22°42	18°39	13°39	22°12	23°28	1°49	2° 9	29°45	8°26	8°50	17°12	6° 8	W 6
T 7	17 0 15	15°51'26	8 ^{II} 36	24°49	19°53	14°23	22°23	23°33	1°47	2° 8	29°46	8°25	8°47	17°18	6° 9	T 7
F 8	17 4 12	16°48'47	20°37	26°54	21° 6	15° 7	22°35	23°39	1°45	2° 6	29°46	8°25	8°43	17°25	6°11	F 8
S 9	17 8 8	17°46'07	2 ^{II} 29	28°57	22°20	15°50	22°46	23°44	1°42	2° 5	29°47	8°25	8°40	17°32	6°13	S 9
S 10	17 12 5	18°43'27	14°18	0 ^{II} 58	23°34	16°34	22°57	23°50	1°40	2° 3	29°47	8°22	8°37	17°38	6°14	S 10
M 11	17 16 2	19°40'45	26° 9	2°58	24°48	17°18	23° 8	23°55	1°37	2° 2	29°48	8°17	8°34	17°45	6°16	M 11
T 12	17 19 58	20°38'03	8 ^{II} 6	4°55	26° 1	18° 1	23°19	24° 1	1°35	2° 0	29°48	8°10	8°31	17°52	6°17	T 12
W 13	17 23 55	21°35'19	20°12	6°50	27°15	18°45	23°29	24° 6	1°33	1°58	29°48	8° 0	8°28	17°58	6°19	W 13
T 14	17 27 51	22°32'36	2 ^{II} 31	8°42	28°29	19°28	23°40	24°11	1°30	1°57	29°49	7°49	8°24	18° 5	6°20	T 14
F 15	17 31 48	23°29'51	15° 3	10°32	29°42	20°12	23°51	24°16	1°28	1°55	29°49	7°36	8°21	18°12	6°21	F 15
S 16	17 35 44	24°27'06	27°48	12°20	0 ^{II} 56	20°55	24° 1	24°21	1°26	1°54	29°49	7°24	8°18	18°18	6°23	S 16
S 17	17 39 41	25°24'20	10 ^{II} 47	14° 6	2°10	21°38	24°11	24°26	1°23	1°52	29°50	7°14	8°15	18°25	6°24	S 17
M 18	17 43 37	26°21'34	23°58	15°49	3°23	22°22	24°22	24°31	1°21	1°50	29°50	7° 5	8°12	18°32	6°25	M 18
T 19	17 47 34	27°18'48	7 ^{II} 20	17°30	4°37	23° 5	24°32	24°36	1°18	1°49	29°50	7° 0	8° 8	18°38	6°26	T 19
W 20	17 51 31	28°16'01	20°52	19° 9	5°51	23°48	24°42	24°40	1°16	1°47	29°51	6°56	8° 5	18°45	6°27	W 20
T 21	17 55 27	29°13'14	4 ^{II} 35	20°45	7° 4	24°31	24°52	24°45	1°13	1°46	29°51	6°D55	8° 2	18°52	6°28	T 21
F 22	17 59 24	0 ^{II} 10'27	18°27	22°18	8°18	25°14	25° 1	24°49	1°11	1°44	29°51	6°56	7°59	18°58	6°29	F 22
S 23	18 3 20	1° 7'40	2 ^{II} 29	23°50	9°32	25°57	25°11	24°54	1° 9	1°42	29°51	6°R56	7°56	19° 5	6°30	S 23
S 24	18 7 17	2° 4'53	16°39	25°18	10°45	26°40	25°21	24°58	1° 6	1°41	29°51	6°55	7°53	19°12	6°31	S 24
M 25	18 11 13	3° 2'06	0 ^{II} 58	26°45	11°59	27°22	25°30	25° 3	1° 4	1°39	29°51	6°52	7°49	19°18	6°32	M 25
T 26	18 15 10	3°59'19	15°21	28° 9	13°13	28° 5	25°39	25° 7	1° 1	1°37	29°52	6°47	7°46	19°25	6°33	T 26
W 27	18 19 6	4°56'32	29°45	29°30	14°26	28°48	25°49	25°11	0°59	1°36	29°52	6°40	7°43	19°32	6°33	W 27
T 28	18 23 3	5°53'46	14 ^{II} 5	0 ^{II} 49	15°40	29°30	25°58	25°15	0°56	1°34	29°52	6°31	7°40	19°39	6°34	T 28
F 29	18 27 0	6°50'59	28°15	2° 5	16°54	0 ^{II} 13	26° 7	25°19	0°54	1°33	29°52	6°21	7°37	19°45	6°35	F 29
S 30	18 30 56	7 ^{II} 48'12	12 ^{II} 9	3 ^{II} 19	18 ^{II} 7	0 ^{II} 55	26°VI15	25°VI23	0 ^{II} 52	1 ^{II} 31	29°R52	6 ^{II} 12	7 ^{II} 34	19 ^{II} 52	6°VI35	S 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21n59	27n57	4n55	23n 5	0n51	22n20	0n 1	14n16	0s35	7n13	1s10	6n47	2s19	23s42	0s15	22s18	1n 9	14s51	16s 6	8s13	8s10	9s27	5n 2	2n54	
S 2	22 8	27 57	4 33	23 31	1 0	22 32	0 4	14 31	0 34	7 17	1 10	6 49	2 20	23 42	0 15	22 18	1 9	14 52	16 7	8 17	8 11	9 30	5 3	2 54	
S 3	22 15	26 11	3 55	23 54	1 9	22 43	0 6	14 45	0 34	7 21	1 10	6 51	2 20	23 42	0 15	22 18	1 9	14 52	16 7	8 21	8 12	9 33	5 4	2 54	
M 4	22 23	22 59	3 5	24 14	1 17	22 53	0 8	14 59	0 33	7 25	1 10	6 53	2 20	23 42	0 15	22 18	1 9	14 52	16 7	8 23	8 14	9 36	5 5	2 54	
T 5	22 30	18 43	2 6	24 32	1 25	23 3	0 11	15 13	0 33	7 29	1 11	6 55	2 20	23 42	0 15	22 18	1 9	14 52	16 8	8 24	8 15	9 40	5 6	2 55	
W 6	22 37	13 44	1 3	24 47	1 31	23 12	0 13	15 27	0 32	7 34	1 11	6 57	2 20	23 42	0 15	22 18	1 9	14 52	16 8	8 25	8 16	9 43	5 6	2 55	
T 7	22 43	8 20	0s 1	24 59	1 38	23 20	0 15	15 40	0 31	7 38	1 11	6 59	2 21	23 42	0 15	22 18	1 9	14 52	16 8	8 25	8 17	9 46	5 7	2 55	
F 8	22 49	2 45	1 4	25 9	1 43	23 28	0 18	15 54	0 31	7 42	1 11	7 1	2 21	23 42	0 15	22 18	1 9	14 52	16 9	8 25	8 18	9 49	5 8	2 55	
S 9	22 54	2s53	2 4	25 16	1 48	23 35	0 20	16 7	0 30	7 46	1 11	7 3	2 21	23 42	0 15	22 18	1 9	14 52	16 9	8 26	8 20	9 52	5 9	2 55	
S 10	22 59	8 22	2 58	25 20	1 52	23 41	0 22	16 20	0 29	7 50	1 11	7 4	2 21	23 42	0 15	22 18	1 9	14 52	16 9	8 26	8 21	9 56	5 9	2 55	
M11	23 4	13 35	3 44	25 21	1 55	23 46	0 25	16 33	0 29	7 53	1 12	7 6	2 21	23 42	0 15	22 18	1 9	14 53	16 10	8 28	8 22	9 59	5 10	2 55	
T 12	23 8	18 20	4 21	25 20	1 58	23 51	0 27	16 46	0 28	7 57	1 12	7 8	2 21	23 42	0 15	22 18	1 9	14 53	16 10	8 31	8 23	10 2	5 11	2 55	
W13	23 12	22 25	4 47	25 17	2 0	23 56	0 29	16 59	0 27	8 1	1 12	7 10	2 22	23 42	0 15	22 18	1 9	14 53	16 11	8 35	8 24	10 5	5 11	2 55	
T 14	23 15	25 35	5 0	25 11	2 1	23 59	0 32	17 11	0 27	8 5	1 12	7 11	2 22	23 42	0 15	22 18	1 9	14 53	16 11	8 39	8 26	10 8	5 12	2 55	
F 15	23 18	27 34	4 59	25 3	2 1	24 2	0 34	17 24	0 26	8 9	1 12	7 13	2 22	23 42	0 15	22 19	1 9	14 53	16 11	8 43	8 27	10 12	5 13	2 55	
S 16	23 21	28 9	4 42	24 53	2 0	24 4	0 36	17 36	0 26	8 12	1 12	7 15	2 22	23 42	0 15	22 19	1 9	14 54	16 12	8 48	8 28	10 15	5 13	2 55	
S 17	23 23	27 12	4 12	24 42	1 59	24 5	0 38	17 48	0 25	8 16	1 13	7 16	2 22	23 43	0 15	22 19	1 9	14 54	16 12	8 52	8 29	10 18	5 14	2 56	
M18	23 25	24 44	3 27	24 28	1 57	24 6	0 40	17 59	0 24	8 20	1 13	7 18	2 23	23 43	0 15	22 19	1 9	14 54	16 12	8 55	8 30	10 21	5 14	2 56	
T 19	23 26	20 53	2 30	24 13	1 55	24 6	0 43	18 11	0 24	8 23	1 13	7 19	2 23	23 43	0 15	22 19	1 9	14 54	16 13	8 57	8 32	10 24	5 15	2 56	
W20	23 27	15 53	1 24	23 56	1 52	24 5	0 45	18 22	0 23	8 27	1 13	7 21	2 23	23 43	0 15	22 19	1 9	14 54	16 13	8 58	8 33	10 27	5 15	2 56	
T 21	23 28	10 2	0 12	23 38	1 48	24 3	0 47	18 34	0 22	8 30	1 13	7 22	2 23	23 43	0 15	22 19	1 9	14 55	16 14	8 59	8 34	10 31	5 16	2 56	
F 22	23 28	3 38	1n 1	23 19	1 43	24 1	0 49	18 45	0 21	8 33	1 13	7 24	2 24	23 43	0 15	22 19	1 9	14 55	16 14	8 59	8 35	10 34	5 16	2 56	
S 23	23 28	3n 0	2 12	22 58	1 38	23 58	0 51	18 56	0 21	8 37	1 14	7 25	2 24	23 43	0 15	22 19	1 9	14 55	16 14	8 59	8 36	10 37	5 17	2 56	
S 24	23 27	9 33	3 15	22 37	1 32	23 54	0 53	19 6	0 20	8 40	1 14	7 27	2 24	23 43	0 15	22 19	1 8	14 56	16 15	8 59	8 37	10 40	5 17	2 56	
M25	23 26	15 40	4 7	22 14	1 26	23 50	0 55	19 17	0 19	8 43	1 14	7 28	2 24	23 43	0 15	22 19	1 8	14 56	16 15	9 0	8 39	10 43	5 18	2 56	
T 26	23 24	20 58	4 43	21 51	1 19	23 45	0 57	19 27	0 19	8 47	1 14	7 29	2 24	23 43	0 15	22 19	1 8	14 56	16 15	9 2	8 40	10 46	5 18	2 56	
W27	23 22	25 2	5 2	21 26	1 11	23 39	0 59	19 37	0 18	8 50	1 14	7 31	2 25	23 43	0 15	22 19	1 8	14 56	16 16	9 4	8 41	10 50	5 18	2 56	
T 28	23 20	27 30	5 1	21 2	1 3	23 33	1 0	19 47	0 17	8 53	1 15	7 32	2 25	23 43	0 15	22 19	1 8	14 57	16 16	9 8	8 42	10 53	5 19	2 57	
F 29	23 17	28 9	4 42	20 36	0 55	23 25	1 2	19 57	0 17	8 56	1 15	7 33	2 25	23 43	0 15	22 19	1 8	14 57	16 17	9 11	8 43	10 56	5 19	2 57	
S 30	23n14	27n 0	4n 7	20n11	0n46	23n18	1n 4	20n 6	0s16	8n59	1s15	7n34	2s25	23s43	0s15	22s19	1n 8	14s57	16s17	9s15	8s45	10s59	5n19	2n57	

ASTRODIENST EPHEMERIS for the year 1821

geocentric

JULY 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 53	8°45'25	25°43	4°29	19°21	1°11	26°24	25°27	0°R49	1°R29	29°R52	6°R 5	7°H30	19°45	6°V36	S 1
M 2	18 38 49	9°42'38	8°45	5°37	20°35	2°20	26°33	25°31	0°Z47	1°Z28	29°H52	6°H 0	7°27	20° 5	6°36	M 2
T 3	18 42 46	10°39'51	21°47	6°42	21°48	3° 2	26°41	25°34	0°44	1°26	29°52	5°57	7°24	20°12	6°37	T 3
W 4	18 46 42	11°37'03	4°18	7°45	23° 2	3°45	26°49	25°38	0°42	1°25	29°52	5°D56	7°21	20°19	6°37	W 4
T 5	18 50 39	12°34'16	16°32	8°44	24°16	4°27	26°57	25°41	0°40	1°23	29°52	5°56	7°18	20°25	6°37	T 5
F 6	18 54 36	13°31'28	28°34	9°40	25°29	5° 9	27° 5	25°45	0°37	1°21	29°51	5°57	7°14	20°32	6°37	F 6
S 7	18 58 32	14°28'40	10°27	10°32	26°43	5°51	27°13	25°48	0°35	1°20	29°51	5°R58	7°11	20°39	6°38	S 7
S 8	19 2 29	15°25'52	22°18	11°22	27°57	6°33	27°21	25°51	0°32	1°18	29°51	5°58	7° 8	20°45	6°38	S 8
M 9	19 6 25	16°23'04	4°11	12° 8	29°10	7°15	27°28	25°54	0°30	1°17	29°51	5°56	7° 5	20°52	6°38	M 9
T 10	19 10 22	17°20'15	16°11	12°50	0°124	7°57	27°36	25°57	0°28	1°15	29°51	5°52	7° 2	20°59	6°R38	T 10
W11	19 14 18	18°17'27	28°22	13°28	1°38	8°38	27°43	26° 0	0°26	1°14	29°50	5°47	6°59	21° 5	6°38	W11
T 12	19 18 15	19°14'39	10°24	14° 3	2°51	9°20	27°50	26° 3	0°23	1°12	29°50	5°40	6°55	21°12	6°38	T 12
F 13	19 22 11	20°11'52	23°31	14°33	4° 5	10° 2	27°57	26° 6	0°21	1°11	29°50	5°32	6°52	21°19	6°38	F 13
S 14	19 26 8	21° 9'04	6°31	14°59	5°19	10°43	28° 4	26° 9	0°19	1° 9	29°50	5°24	6°49	21°25	6°37	S 14
S 15	19 30 5	22° 6'17	19°48	15°21	6°32	11°25	28°11	26°11	0°17	1° 8	29°49	5°18	6°46	21°32	6°37	S 15
M16	19 34 1	23° 3'30	3°21	15°38	7°46	12° 6	28°17	26°14	0°14	1° 6	29°49	5°12	6°43	21°39	6°37	M16
T 17	19 37 58	24° 0'44	17° 8	15°51	8°59	12°47	28°24	26°16	0°12	1° 5	29°49	5° 9	6°40	21°46	6°37	T 17
W18	19 41 54	24°57'58	1°H 4	15°59	10°13	13°29	28°30	26°18	0°10	1° 3	29°48	5°D 8	6°36	21°52	6°36	W18
T 19	19 45 51	25°55'13	15° 8	16°R 2	11°27	14°10	28°36	26°20	0° 8	1° 2	29°48	5° 8	6°33	21°59	6°36	T 19
F 20	19 49 47	26°52'28	29°17	16° 0	12°40	14°51	28°42	26°23	0° 6	1° 0	29°47	5° 9	6°30	22° 6	6°35	F 20
S 21	19 53 44	27°49'44	13°V29	15°53	13°54	15°32	28°47	26°25	0° 4	0°59	29°47	5°11	6°27	22°12	6°35	S 21
S 22	19 57 40	28°47'02	27°41	15°42	15° 7	16°13	28°53	26°26	0° 2	0°58	29°47	5°R11	6°24	22°19	6°34	S 22
M23	20 1 37	29°44'20	11°B51	15°25	16°21	16°54	28°58	26°28	29°59	0°56	29°46	5°11	6°20	22°26	6°33	M23
T 24	20 5 34	0°41'39	25°59	15° 3	17°34	17°35	29° 4	26°30	29°58	0°55	29°46	5° 9	6°17	22°32	6°33	T 24
W25	20 9 30	1°39'00	10°II 0	14°37	18°48	18°16	29° 9	26°31	29°56	0°53	29°45	5° 5	6°14	22°39	6°32	W25
T 26	20 13 27	2°36'21	23°54	14° 7	20° 2	18°56	29°14	26°33	29°54	0°52	29°45	5° 1	6°11	22°46	6°31	T 26
F 27	20 17 23	3°33'43	7°36	13°33	21°15	19°37	29°18	26°34	29°52	0°51	29°44	4°56	6° 8	22°52	6°30	F 27
S 28	20 21 20	4°31'07	21° 5	12°55	22°29	20°18	29°23	26°36	29°50	0°50	29°43	4°51	6° 5	22°59	6°29	S 28
S 29	20 25 16	5°28'31	4°19	12°14	23°42	20°58	29°27	26°37	29°48	0°48	29°43	4°47	6° 1	23° 6	6°28	S 29
M30	20 29 13	6°25'56	17°15	11°31	24°56	21°39	29°31	26°38	29°46	0°47	29°42	4°45	5°58	23°12	6°27	M30
T 31	20 33 9	7°12'21	29°45	10°46	26°10	22°19	29°V35	26°V39	29°45	0°46	29°H42	4°D44	5°H55	23°19	6°V26	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	23n11	24n16	3n18	19n45	0n36	23n 9	1n 6	20n16	0s15	9n 2	1s15	7n35	2s26	23s43	0s15	22s19
M 2	23 7	20 17	2 19	19 18	0 26	23 0	1 7	20 25	0 14	9 5	1 15	7 37	2 26	23 43	0 15	22 19
T 3	23 2	15 27	1 15	18 52	0 15	22 50	1 9	20 34	0 14	9 8	1 16	7 38	2 26	23 43	0 15	22 19
W 4	22 57	10 5	0 9	18 25	0 4	22 39	1 10	20 43	0 13	9 10	1 16	7 39	2 26	23 43	0 15	22 19
T 5	22 52	4 27	0s57	17 59	0s 7	22 28	1 12	20 51	0 12	9 13	1 16	7 40	2 27	23 43	0 15	22 19
F 6	22 47	1s15	1 59	17 33	0 19	22 16	1 13	20 59	0 12	9 16	1 16	7 41	2 27	23 43	0 15	22 19
S 7	22 41	6 49	2 55	17 7	0 31	22 3	1 15	21 8	0 11	9 18	1 16	7 42	2 27	23 43	0 15	22 19
S 8	22 34	12 8	3 43	16 41	0 44	21 50	1 16	21 16	0 10	9 21	1 17	7 43	2 27	23 43	0 15	22 19
M 9	22 28	17 2	4 22	16 16	0 57	21 36	1 17	21 23	0 9	9 23	1 17	7 44	2 28	23 43	0 15	22 19
T 10	22 20	21 19	4 50	15 51	1 10	21 22	1 19	21 31	0 9	9 26	1 17	7 44	2 28	23 43	0 15	22 19
W11	22 13	24 46	5 5	15 27	1 24	21 7	1 20	21 38	0 8	9 28	1 17	7 45	2 28	23 43	0 15	22 19
T 12	22 5	27 9	5 7	15 4	1 38	20 51	1 21	21 45	0 7	9 31	1 17	7 46	2 28	23 43	0 15	22 19
F 13	21 57	28 11	4 53	14 42	1 52	20 35	1 22	21 52	0 6	9 33	1 18	7 47	2 29	23 43	0 15	22 19
S 14	21 48	27 42	4 24	14 21	2 6	20 18	1 23	21 59	0 6	9 35	1 18	7 47	2 29	23 43	0 15	22 19
S 15	21 39	25 38	3 40	14 2	2 20	20 1	1 24	22 5	0 5	9 37	1 18	7 48	2 29	23 43	0 15	22 19
M16	21 30	22 5	2 44	13 43	2 34	19 43	1 25	22 12	0 4	9 39	1 18	7 49	2 29	23 43	0 15	22 19
T 17	21 20	17 15	1 36	13 26	2 48	19 24	1 26	22 18	0 3	9 42	1 19	7 49	2 30	23 43	0 15	22 20
W18	21 10	11 27	0 22	13 10	3 2	19 5	1 27	22 24	0 3	9 44	1 19	7 50	2 30	23 43	0 15	22 20
T 19	20 59	5 2	0n54	12 56	3 15	18 46	1 27	22 30	0 2	9 45	1 19	7 50	2 30	23 43	0 15	22 20
F 20	20 48	1n40	2 8	12 44	3 29	18 26	1 28	22 35	0 1	9 47	1 19	7 51	2 31	23 43	0 15	22 20
S 21	20 37	8 18	3 13	12 34	3 42	18 5	1 28	22 40	0 0	9 49	1 19	7 51	2 31	23 43	0 15	22 20
S 22	20 26	14 30	4 7	12 25	3 54	17 44	1 29	22 45	0n 0	9 51	1 20	7 52	2 31	23 43	0 15	22 20
M23	20 14	19 56	4 46	12 19	4 5	17 22	1 29	22 50	0 1	9 53	1 20	7 52	2 31	23 43	0 15	22 20
T 24	20 1	24 15	5 8	12 15	4 16	17 0	1 30	22 55	0 2	9 54	1 20	7 53	2 32	23 43	0 15	22 20
W25	19 49	27 5	5 10	12 13	4 26	16 38	1 30	22 59	0 3	9 56	1 20	7 53	2 32	23 43	0 15	22 20
T 26	19 36	28 14	4 55	12 14	4 34	16 15	1 30	23 4	0 4	9 57	1 21	7 53	2 32	23 43	0 15	22 20
F 27	19 23	27 37	4 23	12 16	4 42	15 52	1 31	23 8	0 4	9 59	1 21	7 53	2 32	23 43	0 15	22 20
S 28	19 9	25 22	3 36	12 21	4 48	15 28	1 31	23 12	0 5	10 0	1 21	7 54	2 33	23 43	0 15	22 20
S 29	18 55	21 46	2 39	12 28	4 52	15 4	1 31	23 15	0 6	10 1	1 21	7 54	2 33	23 43	0 15	22 20
M30	18 41	17 11	1 34	12 37	4 55	14 39	1 31	23 19	0 7	10 3	1 22	7 54	2 33	23 43	0 15	22 20
T 31	18n27	11n55	0n26	12n48	4s56	14n14	1n31	23n22	0n 8	10n 4	1s22	7n54	2s33	23s43	0s15	22s20

Julian Day Number = 2386347.5, Delta T = 16.16 sec
 Ecliptic obliquity = 23°27'53, Nutation = 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°14'52, Lahiri = 21°21'53

ASTRODIENST EPHEMERIS for the year 1821

geocentric

AUGUST 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 37 6	8♂20'48	12♂19	10°R 1	27♂23	22♂59	29♂39	26♂40	29°R43	0°R45	29°R41	4♂44	5♂52	23♂26	6°R25	W 1
T 2	20 41 3	9°18'15	24°29	9♂15	28°37	23°39	29°43	26°40	29°R41	0°R43	29°R40	4°45	5°49	23°32	6°R24	T 2
F 3	20 44 59	10°15'43	6♂29	8°30	29°50	24°20	29°46	26°41	29°40	0°42	29°40	4°47	5°46	23°39	6°23	F 3
S 4	20 48 56	11°13'11	18°22	7°46	1♂4	25° 0	29°49	26°42	29°38	0°41	29°39	4°48	5°42	23°46	6°22	S 4
S 5	20 52 52	12°10'41	0♂13	7° 5	2°17	25°40	29°52	26°42	29°36	0°40	29°38	4°49	5°39	23°53	6°20	S 5
M 6	20 56 49	13° 8'11	12° 6	6°27	3°31	26°20	29°55	26°42	29°35	0°39	29°37	4°R50	5°36	23°59	6°19	M 6
T 7	21 0 45	14° 5'42	24° 7	5°53	4°44	26°59	29°58	26°43	29°33	0°38	29°37	4°50	5°33	24° 6	6°18	T 7
W 8	21 4 42	15° 3'14	6♂19	5°24	5°58	27°39	0♂ 0	26°43	29°32	0°37	29°36	4°48	5°30	24°13	6°16	W 8
T 9	21 8 38	16° 0'47	18°47	5° 0	7°11	28°19	0° 3	26°R43	29°30	0°36	29°35	4°46	5°26	24°19	6°15	T 9
F 10	21 12 35	16°58'21	1♂34	4°42	8°25	28°58	0° 5	26°43	29°29	0°35	29°34	4°44	5°23	24°26	6°13	F 10
S 11	21 16 32	17°55'56	14°43	4°31	9°38	29°38	0° 7	26°43	29°28	0°34	29°33	4°41	5°20	24°33	6°12	S 11
S 12	21 20 28	18°53'32	28°13	4°D26	10°51	0♂17	0° 8	26°42	29°26	0°33	29°33	4°39	5°17	24°39	6°10	S 12
M13	21 24 25	19°51'09	12♂4	4°28	12° 5	0°57	0°10	26°42	29°25	0°32	29°32	4°38	5°14	24°46	6° 8	M13
T 14	21 28 21	20°48'48	26°13	4°38	13°18	1°36	0°11	26°41	29°24	0°31	29°31	4°37	5°11	24°53	6° 7	T 14
W15	21 32 18	21°46'27	10♂36	4°55	14°32	2°15	0°12	26°41	29°23	0°30	29°30	4°D37	5° 7	24°59	6° 5	W15
T 16	21 36 14	22°44'08	25° 7	5°19	15°45	2°55	0°13	26°40	29°22	0°29	29°29	4°38	5° 4	25° 6	6° 3	T 16
F 17	21 40 11	23°41'50	9°R40	5°50	16°58	3°34	0°14	26°39	29°20	0°28	29°28	4°38	5° 1	25°13	6° 1	F 17
S 18	21 44 7	24°39'34	24°11	6°29	18°12	4°13	0°15	26°38	29°19	0°28	29°27	4°39	4°58	25°20	5°59	S 18
S 19	21 48 4	25°37'20	8♂35	7°15	19°25	4°52	0°15	26°37	29°18	0°27	29°26	4°40	4°55	25°26	5°57	S 19
M20	21 52 1	26°35'08	22°49	8° 9	20°38	5°30	0°R15	26°36	29°17	0°26	29°25	4°R40	4°52	25°33	5°55	M20
T 21	21 55 57	27°32'57	6♂50	9° 9	21°52	6° 9	0°15	26°35	29°17	0°26	29°24	4°40	4°48	25°40	5°53	T 21
W22	21 59 54	28°30'48	20°38	10°15	23° 5	6°48	0°15	26°34	29°16	0°25	29°23	4°40	4°45	25°46	5°51	W22
T 23	22 3 50	29°28'41	4♂11	11°28	24°18	7°26	0°14	26°32	29°15	0°24	29°22	4°39	4°42	25°53	5°49	T 23
F 24	22 7 47	0♂26'36	17°30	12°47	25°32	8° 5	0°14	26°31	29°14	0°24	29°21	4°39	4°39	26° 0	5°47	F 24
S 25	22 11 43	1°24'32	0♂34	14°11	26°45	8°43	0°13	26°29	29°13	0°23	29°20	4°38	4°36	26° 6	5°45	S 25
S 26	22 15 40	2°22'30	13°24	15°41	27°58	9°22	0°12	26°27	29°13	0°22	29°19	4°38	4°32	26°13	5°43	S 26
M27	22 19 36	3°20'30	26° 1	17°15	29°11	10° 0	0°11	26°26	29°12	0°22	29°18	4°38	4°29	26°20	5°41	M27
T 28	22 23 33	4°18'31	8♂26	18°53	0♂25	10°38	0° 9	26°24	29°11	0°21	29°17	4°38	4°26	26°26	5°38	T 28
W29	22 27 30	5°16'34	20°39	20°35	1°38	11°16	0° 7	26°22	29°11	0°21	29°16	4°38	4°23	26°33	5°36	W29
T 30	22 31 26	6°14'38	2♂43	22°20	2°51	11°54	0° 6	26°20	29°10	0°20	29°15	4°38	4°20	26°40	5°34	T 30
F 31	22 35 23	7♂12'44	14♂39	24♂7	4♂4	12♂32	0♂ 4	26°R17	29°R10	0♂20	29°R14	4♂37	4♂17	26♂47	5°R31	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n12	6n18	0s42	13n 1	4s55	13n48	1n30	23n25	0n 8	10n 5	1s22	7n54	2s34	23s43	0s15	22s20
T 2	17 57	0 34	1 47	13 15	4 52	13 23	1 30	23 28	0 9	10 6	1 22	7 54	2 34	23 43	0 15	22 20
F 3	17 41	5s 7	2 46	13 31	4 48	12 57	1 30	23 30	0 10	10 7	1 23	7 54	2 34	23 43	0 15	22 20
S 4	17 26	10 33	3 37	13 48	4 42	12 30	1 29	23 33	0 11	10 8	1 23	7 54	2 35	23 43	0 15	22 20
S 5	17 10	15 36	4 20	14 6	4 34	12 3	1 29	23 35	0 12	10 9	1 23	7 54	2 35	23 43	0 15	22 20
M 6	16 54	20 6	4 51	14 25	4 24	11 36	1 28	23 37	0 12	10 9	1 23	7 54	2 35	23 43	0 15	22 20
T 7	16 37	23 49	5 10	14 44	4 13	11 9	1 28	23 39	0 13	10 10	1 24	7 54	2 35	23 43	0 15	22 20
W 8	16 20	26 33	5 15	15 3	4 1	10 41	1 27	23 41	0 14	10 11	1 24	7 53	2 36	23 43	0 15	22 20
T 9	16 3	28 4	5 6	15 21	3 47	10 13	1 26	23 42	0 15	10 11	1 24	7 53	2 36	23 43	0 15	22 20
F 10	15 46	28 9	4 41	15 40	3 33	9 45	1 26	23 43	0 16	10 12	1 24	7 53	2 36	23 43	0 15	22 20
S 11	15 28	26 39	4 2	15 58	3 17	9 16	1 25	23 44	0 16	10 12	1 24	7 53	2 36	23 43	0 15	22 20
S 12	15 11	23 36	3 8	16 15	3 1	8 48	1 24	23 45	0 17	10 13	1 25	7 52	2 37	23 43	0 15	22 21
M13	14 53	19 8	2 1	16 31	2 44	8 19	1 23	23 46	0 18	10 13	1 25	7 52	2 37	23 43	0 15	22 21
T 14	14 34	13 31	0 46	16 45	2 27	7 50	1 22	23 46	0 19	10 13	1 25	7 51	2 37	23 43	0 15	22 21
W15	14 16	7 6	0n33	16 58	2 9	7 20	1 21	23 47	0 20	10 13	1 25	7 51	2 38	23 43	0 15	22 21
T 16	13 57	0 15	1 51	17 9	1 52	6 51	1 19	23 47	0 21	10 13	1 26	7 50	2 38	23 43	0 15	22 21
F 17	13 38	6n37	3 2	17 18	1 35	6 21	1 18	23 47	0 21	10 13	1 26	7 50	2 38	23 43	0 15	22 21
S 18	13 19	13 7	4 1	17 25	1 18	5 51	1 17	23 46	0 22	10 13	1 26	7 49	2 38	23 43	0 15	22 21
S 19	13 0	18 52	4 45	17 30	1 1	5 21	1 15	23 46	0 23	10 13	1 26	7 49	2 39	23 43	0 15	22 21
M20	12 40	23 29	5 10	17 32	0 44	4 51	1 14	23 45	0 24	10 13	1 27	7 48	2 39	23 43	0 15	22 21
T 21	12 20	26 40	5 17	17 32	0 29	4 20	1 12	23 44	0 25	10 13	1 27	7 47	2 39	23 43	0 15	22 21
W22	12 0	28 12	5 5	17 29	0 13	3 50	1 11	23 43	0 26	10 13	1 27	7 47	2 39	23 43	0 15	22 21
T 23	11 40	28 0	4 36	17 23	0n 1	3 19	1 9	23 42	0 27	10 12	1 27	7 46	2 40	23 43	0 15	22 21
F 24	11 20	26 10	3 53	17 14	0 15	2 49	1 7	23 41	0 28	10 12	1 28	7 45	2 40	23 43	0 15	22 21
S 25	10 59	22 57	2 58	17 2	0 28	2 18	1 5	23 39	0 28	10 11	1 28	7 44	2 40	23 43	0 15	22 21
S 26	10 38	18 39	1 55	16 47	0 40	1 47	1 4	23 37	0 29	10 11	1 28	7 44	2 40	23 43	0 15	22 21
M27	10 17	13 36	0 48	16 29	0 51	1 16	1 2	23 35	0 30	10 10	1 28	7 43	2 41	23 43	0 15	22 21
T 28	9 56	8 6	0s21	16 8	1 1	0 45	1 0	23 33	0 31	10 9	1 29	7 42	2 41	23 43	0 15	22 21
W29	9 35	2 22	1 28	15 45	1 10	0 14	0 58	23 31	0 32	10 8	1 29	7 41	2 41	23 43	0 15	22 21
T 30	9 14	3s22	2 30	15 18	1 18	0s17	0 56	23 28	0 33	10 8	1 29	7 40	2 41	23 43	0 15	22 21
F 31	8n52	8s55	3s24	14n50	1n25	0s48	0n53	23n26	0n34	10n 7	1s29	7n39	2s42	23s43	0s15	22s21

Julian Day Number = 2386378.5, Delta T = 16.13 sec
 Ecliptic obliquity = 23°27'53, Nutation = 0°00'08, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°14'56, Lahiri = 21°21'57

ASTRODIENST EPHEMERIS for the year 1821
geocentric

SEPTEMBER 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 39 19	8 ^h 10 ^m 51 ^s	26 ^h 23 ^m 1	25 ^h 05 ^m 57	5 ^h 21 ^m 17	13 ^h 25 ^m 10	0°R 1	26°R15	29°R10	0°R20	29°R13	4°R37	4 ^h 13	26 ^h 25 ^m 53	5°R29	S 1
S 2	22 43 16	9° 0'00	8 ^h 12 ^m 21	27°49	6°30	13°48	29°V59	26°V13	29°V 9	0°Z19	29°H12	4°H37	4°10	27° 0	5°V27	S 2
M 3	22 47 12	10° 7'11	20°13	29°42	7°44	14°26	29°56	26°10	29° 9	0°19	29°11	4°36	4° 7	27° 7	5°24	M 3
T 4	22 51 9	11° 5'23	2 ^h 21 ^m 12	1 ^h 10 ^m 37	8°57	15° 3	29°53	26° 8	29° 9	0°19	29° 9	4°36	4° 4	27°13	5°22	T 4
W 5	22 55 5	12° 3'37	14°22	3°32	10°10	15°41	29°50	26° 5	29° 9	0°19	29° 8	4°D36	4° 1	27°20	5°19	W 5
T 6	22 59 2	13° 1'52	26°47	5°27	11°23	16°18	29°47	26° 2	29° 8	0°18	29° 7	4°36	3°58	27°27	5°17	T 6
F 7	23 2 59	14° 0'08	9 ^h 32 ^m 32	7°22	12°36	16°55	29°44	25°59	29° 8	0°18	29° 6	4°36	3°54	27°33	5°14	F 7
S 8	23 6 55	14°58'27	22°40	9°18	13°49	17°33	29°40	25°57	29°D 8	0°18	29° 5	4°37	3°51	27°40	5°12	S 8
S 9	23 10 52	15°56'46	6 ^h 23 ^m 13	11°13	15° 2	18°10	29°36	25°54	29° 8	0°18	29° 4	4°38	3°48	27°47	5° 9	S 9
M10	23 14 48	16°55'08	20°12	13° 8	16°15	18°47	29°32	25°50	29° 8	0°18	29° 3	4°39	3°45	27°53	5° 7	M10
T 11	23 18 45	17°53'31	4 ^h 13 ^m 35	15° 2	17°28	19°24	29°28	25°47	29° 8	0°18	29° 1	4°R39	3°42	28° 0	5° 4	T 11
W12	23 22 41	18°51'56	19°17	16°55	18°41	20° 0	29°24	25°44	29° 9	0°D18	29° 0	4°39	3°38	28° 7	5° 1	W12
T 13	23 26 38	19°50'22	4 ^h 11 ^m 11	18°47	19°54	20°37	29°19	25°41	29° 9	0°18	28°59	4°38	3°35	28°14	4°59	T 13
F 14	23 30 34	20°48'51	19°11	20°39	21° 7	21°14	29°15	25°37	29° 9	0°18	28°58	4°36	3°32	28°20	4°56	F 14
S 15	23 34 31	21°47'21	4 ^h 18 ^m 6	22°30	22°19	21°50	29°10	25°34	29° 9	0°18	28°57	4°34	3°29	28°27	4°53	S 15
S 16	23 38 28	22°45'54	18°50	24°20	23°32	22°27	29° 5	25°30	29°10	0°18	28°55	4°32	3°26	28°34	4°51	S 16
M17	23 42 24	23°44'30	3 ^h 11 ^m 17	26° 9	24°45	23° 3	29° 0	25°27	29°10	0°18	28°54	4°30	3°23	28°40	4°48	M17
T 18	23 46 21	24°43'07	17°23	27°57	25°58	23°39	28°54	25°23	29°11	0°18	28°53	4°29	3°19	28°47	4°45	T 18
W19	23 50 17	25°41'47	1 ^h 25 ^m 7	29°44	27°11	24°15	28°49	25°19	29°11	0°18	28°52	4°D29	3°16	28°54	4°43	W19
T 20	23 54 14	26°40'29	14°29	1 ^h 23 ^m 30	28°24	24°51	28°43	25°15	29°12	0°19	28°51	4°30	3°13	29° 0	4°40	T 20
F 21	23 58 10	27°39'13	27°32	3°15	29°36	25°27	28°37	25°12	29°12	0°19	28°50	4°31	3°10	29° 7	4°37	F 21
S 22	0 2 7	28°37'59	10 ^h 02 ^m 18	4°59	0 ^h 14 ^m 49	26° 3	28°31	25° 8	29°13	0°19	28°48	4°33	3° 7	29°14	4°34	S 22
S 23	0 6 3	29°36'48	22°50	6°42	2° 2	26°39	28°25	25° 4	29°14	0°20	28°47	4°34	3° 4	29°21	4°32	S 23
M24	0 10 0	0 ^h 23 ^m 39	5 ^h 10 ^m 9	8°24	3°14	27°15	28°19	24°59	29°15	0°20	28°46	4°R35	3° 0	29°27	4°29	M24
T 25	0 13 57	1°34'31	17°19	10° 5	4°27	27°50	28°12	24°55	29°15	0°20	28°45	4°34	2°57	29°34	4°26	T 25
W26	0 17 53	2°33'26	29°22	11°45	5°40	28°25	28° 6	24°51	29°16	0°21	28°44	4°32	2°54	29°41	4°23	W26
T 27	0 21 50	3°32'23	11 ^h 21 ^m 18	13°24	6°52	29° 1	27°59	24°47	29°17	0°21	28°42	4°28	2°51	29°47	4°21	T 27
F 28	0 25 46	4°31'22	23°11	15° 3	8° 5	29°36	27°52	24°43	29°18	0°22	28°41	4°24	2°48	29°54	4°18	F 28
S 29	0 29 43	5°30'23	5 ^h 11 ^m 1	16°40	9°17	0 ^h 02 ^m 11	27°46	24°38	29°19	0°22	28°40	4°18	2°44	0 ^h 11 ^m 1	4°15	S 29
S 30	0 33 39	6 ^h 29'26	16 ^h 11 ^m 52	18 ^h 21'17	10 ^h 11 ^m 30	0 ^h 02 ^m 46	27°V39	24°V34	29°V20	0°Z23	28°H39	4°H12	2°H41	0 ^h 11 ^m 7	4°V12	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n31	14s 7	4s10	14n18	1n31	1s19	0n51	23n23	0n35	10n 6	1s29	7n38	2s42	23s43	0s15	22s21	1n 6	15s30	16s35	9s50	9s58	14s11	4n57	3n 1					
S 2	8 9	18 47	4 44	13 44	1 36	1 50	0 49	23 20	0 35	10 5	1 30	7 37	2 42	23 43	0 15	22 21	1 6	15 30	16 35	9 50	9 59	14 14	4 56	3 1					
M 3	7 47	22 45	5 7	13 9	1 40	2 21	0 47	23 17	0 36	10 3	1 30	7 36	2 42	23 43	0 15	22 21	1 6	15 31	16 35	9 50	10 1	14 17	4 55	3 1					
T 4	7 25	25 47	5 17	12 31	1 43	2 52	0 44	23 14	0 37	10 2	1 30	7 35	2 42	23 43	0 15	22 22	1 6	15 31	16 36	9 50	10 2	14 20	4 54	3 1					
W 5	7 3	27 43	5 12	11 52	1 45	3 23	0 42	23 10	0 38	10 1	1 30	7 33	2 43	23 43	0 15	22 22	1 6	15 32	16 36	9 50	10 3	14 23	4 53	3 1					
T 6	6 40	28 19	4 54	11 11	1 47	3 54	0 39	23 7	0 39	10 0	1 31	7 32	2 43	23 43	0 15	22 22	1 6	15 32	16 36	9 50	10 4	14 26	4 52	3 1					
F 7	6 18	27 27	4 20	10 29	1 48	4 25	0 37	23 3	0 40	9 58	1 31	7 31	2 43	23 43	0 15	22 22	1 6	15 33	16 36	9 50	10 5	14 29	4 51	3 1					
S 8	5 56	25 3	3 32	9 45	1 48	4 56	0 34	22 59	0 41	9 57	1 31	7 30	2 43	23 43	0 15	22 22	1 6	15 33	16 36	9 50	10 6	14 32	4 50	3 1					
S 9	5 33	21 10	2 31	9 1	1 47	5 27	0 32	22 55	0 42	9 55	1 31	7 28	2 43	23 43	0 15	22 22	1 6	15 34	16 36	9 49	10 8	14 35	4 49	3 1					
M10	5 10	16 1	1 19	8 16	1 46	5 57	0 29	22 51	0 43	9 54	1 31	7 27	2 44	23 43	0 15	22 22	1 6	15 35	16 36	9 49	10 9	14 38	4 48	3 1					
T 11	4 47	9 51	0 0	7 30	1 44	6 28	0 26	22 47	0 44	9 52	1 32	7 26	2 44	23 43	0 15	22 22	1 6	15 35	16 36	9 49	10 10	14 41	4 47	3 1					
W12	4 25	3 1	1n20	6 44	1 42	6 58	0 23	22 42	0 45	9 50	1 32	7 24	2 44	23 43	0 15	22 22	1 6	15 36	16 36	9 49	10 11	14 44	4 46	3 1					
T 13	4 2	4n 3	2 36	5 57	1 39	7 28	0 21	22 38	0 46	9 49	1 32	7 23	2 44	23 43	0 15	22 22	1 6	15 36	16 37	9 49	10 12	14 46	4 45	3 1					
F 14	3 39	10 56	3 42	5 10	1 35	7 58	0 18	22 33	0 46	9 47	1 32	7 22	2 44	23 43	0 15	22 22	1 6	15 37	16 37	9 50	10 13	14 49	4 44	3 1					
S 15	3 16	17 10	4 32	4 23	1 31	8 28	0 15	22 28	0 47	9 45	1 32	7 20	2 45	23 43	0 15	22 22	1 6	15 37	16 37	9 51	10 14	14 52	4 43	3 1					
S 16	2 52	22 18	5 4	3 35	1 27	8 58	0 12	22 23	0 48	9 43	1 32	7 19	2 45	23 43	0 15	22 22	1 6	15 38	16 37	9 52	10 16	14 55	4 42	3 1					
M17	2 29	25 59	5 15	2 48	1 23	9 27	0 9	22 18	0 49	9 41	1 33	7 17	2 45	23 43	0 15	22 22	1 6	15 38	16 37	9 52	10 17	14 58	4 40	3 1					
T 18	2 6	27 58	5 7	2 0	1 18	9 57	0 6	22 13	0 50	9 39	1 33	7 16	2 45	23 43	0 15	22 22	1 6	15 39	16 37	9 53	10 18	15 1	4 39	3 1					
W19	1 43	28 10	4 42	1 13	1 13	10 26	0 3	22 8	0 51	9 37	1 33	7 14	2 45	23 43	0 15	22 22	1 6	15 39	16 37	9 53	10 19	15 4	4 38	3 1					
T 20	1 19	26 41	4 2	0 26	1 7	10 55	0 0	22 2	0 52	9 35	1 33	7 13	2 45	23 43	0 15	22 22	1 6	15 40	16 37	9 52	10 20	15 7	4 37	3 1					
F 21	0 56	23 47	3 10	0s21	1 1	11 23	0s 3	21 57	0 53	9 33	1 33	7 11	2 46	23 43	0 15	22 22	1 6	15 40	16 37	9 52	10 21	15 9	4 36	3 1					
S 22	0 33	19 45	2 10	1 8	0 55	11 52	0 6	21 51	0 54	9 30	1 33	7 10	2 46	23 43	0 15	22 22	1 6	15 41	16 37	9 51	10 22	15 12	4 35	3 1					
S 23	0 9	14 56	1 4	1 54	0 49	12 20	0 9	21 45	0 55	9 28	1 33	7 8	2 46	23 43	0 15	22 22	1 5	15 41	16 37	9 51	10 24	15 15	4 34	3 1					
M24	0s14	9 35	0s 3	2 41	0 43	12 48	0 12	21 39	0 56	9 26	1 34	7 7	2 46	23 43	0 15	22 22	1 5	15 42	16 37	9 51	10 25	15 18	4 33	3 0					
T 25	0 38	3 57	1 9	3 26	0 36	13 15	0 15	21 33	0 57	9 23	1 34	7 5	2 46	23 43	0 15	22 22	1 5	15 42	16 37	9 51	10 26	15 21	4 31	3 0					
W26	1 1	1s46	2 12	4 12	0 30	13 43	0 18	21 27	0 58	9 21	1 34	7 3	2 46	23 43	0 15	22 23	1 5	15 43	16 37	9 52	10 27	15 24	4 30	3 0					
T 27	1 25	7 21	3 8	4 57	0 23	14 10	0 22	21 20	0 59	9 18	1 34	7 2	2 46	23 43	0 15	22 23	1 5	15 43	16 37	9 53	10 28	15 27	4 29	3 0					
F 28	1 48	12 39	3 55	5 41	0 16	14 36	0 25	21 14	1 0	9 16	1 34	7 0	2 46	23 43	0 15	22 23	1 5	15 44	16 37	9 55	10 29	15 29	4 28	3 0					
S 29	2 11	17 29	4 32	6 25	0 9	15 3	0 28	21 8	1 1	9 13	1 34	6 58	2 47	23 43	0 15	22 23	1 5	15 44	16 37	9 57	10 31	15 32	4 27	3 0					
S 30	2s35	21s38	4s57	7s 8	0n 2	15s29	0s31	21n 1	1n 2	9n11	1s34	6n57	2s47	23s43	0s15	22s23	1n 5	15s44	16s37	9s59	10s32	15s35	4n26	3n 0					

ASTRODIENST EPHEMERIS for the year 1821

geocentric

OCTOBER 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 37 36	7♂28'30	28♂45	19♂53	11♂42	1♂21	27°R31	24°R29	29♂22	0♂24	28°R38	4°R 7	2♂38	0♂14	4°R 9	M 1
T 2	0 41 32	8°27'37	10♂43	21°28	12°55	1°55	27°Y24	24°Y25	29°23	0°24	28♂36	4♂ 2	2°35	0°21	4°Y 7	T 2
W 3	0 45 29	9°26'46	22°51	23° 2	14° 7	2°30	27°17	24°21	29°24	0°25	28°35	3°59	2°32	0°28	4° 4	W 3
T 4	0 49 25	10°25'56	5♂13	24°36	15°20	3° 4	27° 9	24°16	29°25	0°26	28°34	3°D58	2°29	0°34	4° 1	T 4
F 5	0 53 22	11°25'08	17°52	26° 8	16°32	3°39	27° 2	24°11	29°27	0°26	28°33	3°58	2°25	0°41	3°58	F 5
S 6	0 57 19	12°24'22	0♂53	27°40	17°45	4°13	26°54	24° 7	29°28	0°27	28°32	3°59	2°22	0°48	3°56	S 6
S 7	1 1 15	13°23'37	14°19	29°11	18°57	4°47	26°47	24° 2	29°29	0°28	28°31	4° 0	2°19	0°54	3°53	S 7
M 8	1 5 12	14°22'55	28°13	0♂42	20° 9	5°21	26°39	23°58	29°31	0°29	28°29	4°R 1	2°16	1° 1	3°50	M 8
T 9	1 9 8	15°22'14	12♂35	2°11	21°21	5°54	26°31	23°53	29°32	0°30	28°28	4° 1	2°13	1° 8	3°48	T 9
W10	1 13 5	16°21'34	27°22	3°40	22°34	6°28	26°23	23°48	29°34	0°30	28°27	3°59	2° 9	1°14	3°45	W10
T11	1 17 1	17°20'57	12°Y28	5° 8	23°46	7° 2	26°15	23°43	29°36	0°31	28°26	3°55	2° 6	1°21	3°42	T11
F12	1 20 58	18°20'22	27°44	6°35	24°58	7°35	26° 7	23°39	29°37	0°32	28°25	3°50	2° 3	1°28	3°40	F12
S13	1 24 54	19°19'49	13♂ 0	8° 2	26°10	8° 8	25°59	23°34	29°39	0°33	28°24	3°43	2° 0	1°35	3°37	S13
S14	1 28 51	20°19'18	28° 4	9°27	27°22	8°41	25°51	23°29	29°41	0°34	28°23	3°36	1°57	1°41	3°34	S14
M15	1 32 48	21°18'50	12♂48	10°52	28°34	9°14	25°43	23°24	29°43	0°35	28°22	3°30	1°54	1°48	3°32	M15
T16	1 36 44	22°18'24	27° 7	12°16	29°46	9°47	25°35	23°20	29°44	0°36	28°21	3°25	1°50	1°55	3°29	T16
W17	1 40 41	23°18'00	10♂57	13°39	0♂58	10°20	25°27	23°15	29°46	0°38	28°20	3°22	1°47	2° 1	3°26	W17
T18	1 44 37	24°17'39	24°20	15° 1	2°10	10°52	25°19	23°10	29°48	0°39	28°18	3°D21	1°44	2° 8	3°24	T18
F19	1 48 34	25°17'19	7♂18	16°22	3°22	11°25	25°11	23° 5	29°50	0°40	28°17	3°22	1°41	2°15	3°21	F19
S20	1 52 30	26°17'02	19°55	17°42	4°34	11°57	25° 3	23° 1	29°52	0°41	28°16	3°23	1°38	2°22	3°19	S20
S21	1 56 27	27°16'47	2♂16	19° 1	5°45	12°29	24°55	22°56	29°54	0°42	28°15	3°R24	1°35	2°28	3°16	S21
M22	2 0 23	28°16'35	14°24	20°19	6°57	13° 1	24°46	22°51	29°56	0°44	28°14	3°23	1°31	2°35	3°14	M22
T23	2 4 20	29°16'24	26°23	21°36	8° 9	13°32	24°38	22°46	29°59	0°45	28°13	3°20	1°28	2°42	3°12	T23
W24	2 8 17	0♂16'16	8♂18	22°51	9°20	14° 4	24°30	22°42	0♂ 1	0°46	28°12	3°15	1°25	2°48	3° 9	W24
T25	2 12 13	1°16'10	20° 9	24° 4	10°32	14°35	24°22	22°37	0° 3	0°48	28°11	3° 7	1°22	2°55	3° 7	T25
F26	2 16 10	2°16'05	2♂ 0	25°16	11°44	15° 7	24°14	22°32	0° 5	0°49	28°10	2°57	1°19	3° 2	3° 4	F26
S27	2 20 6	3°16'03	13°51	26°26	12°55	15°38	24° 6	22°28	0° 8	0°50	28° 9	2°45	1°15	3° 8	3° 2	S27
S28	2 24 3	4°16'02	25°45	27°34	14° 7	16° 8	23°58	22°23	0°10	0°52	28° 9	2°32	1°12	3°15	3° 0	S28
M29	2 27 59	5°16'04	7♂42	28°40	15°18	16°39	23°51	22°18	0°12	0°53	28° 8	2°21	1° 9	3°22	2°58	M29
T30	2 31 56	6°16'07	19°45	29°44	16°29	17°10	23°43	22°14	0°15	0°55	28° 7	2°10	1° 6	3°29	2°55	T30
W31	2 35 52	7♂16'12	1♂56	0♂44	17♂41	17♂40	23°Y35	22°Y 9	0♂17	0♂56	28♂ 6	2♂ 2	1♂ 3	3♂35	2°Y53	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	2s58	24s56	5s10	7s51	0s 5	15s54	0s34	20n54	1n 3	9n 8	1s34	6n55	2s47	23s43	0s15	22s23
T 2	3 22	27 11	5 9	8 34	0 12	16 20	0 38	20 48	1 4	9 6	1 34	6 53	2 47	23 43	0 15	22 23
W 3	3 45	28 11	4 55	9 15	0 19	16 45	0 41	20 41	1 5	9 3	1 34	6 51	2 47	23 43	0 15	22 23
T 4	4 8	27 48	4 26	9 56	0 26	17 9	0 44	20 34	1 6	9 0	1 35	6 50	2 47	23 43	0 15	22 23
F 5	4 31	25 59	3 45	10 37	0 33	17 33	0 47	20 27	1 7	8 57	1 35	6 48	2 47	23 43	0 15	22 23
S 6	4 54	22 45	2 50	11 17	0 40	17 57	0 50	20 20	1 8	8 55	1 35	6 46	2 47	23 43	0 15	22 23
S 7	5 18	18 14	1 45	11 56	0 47	18 20	0 54	20 13	1 9	8 52	1 35	6 45	2 47	23 43	0 15	22 23
M 8	5 41	12 36	0 31	12 34	0 54	18 43	0 57	20 5	1 10	8 49	1 35	6 43	2 47	23 43	0 15	22 23
T 9	6 4	6 8	0n46	13 12	1 1	19 5	1 0	19 58	1 11	8 46	1 35	6 41	2 47	23 43	0 15	22 23
W10	6 26	0n50	2 3	13 49	1 8	19 27	1 3	19 51	1 13	8 43	1 35	6 39	2 47	23 43	0 15	22 23
T11	6 49	7 53	3 13	14 25	1 15	19 48	1 6	19 43	1 14	8 40	1 35	6 38	2 47	23 43	0 15	22 23
F12	7 12	14 33	4 9	15 1	1 22	20 9	1 9	19 36	1 15	8 38	1 35	6 36	2 47	23 43	0 15	22 23
S13	7 34	20 20	4 48	15 36	1 28	20 29	1 12	19 28	1 16	8 35	1 35	6 34	2 47	23 43	0 15	22 23
S14	7 57	24 43	5 6	16 9	1 35	20 49	1 15	19 21	1 17	8 32	1 35	6 32	2 47	23 43	0 15	22 23
M15	8 19	27 23	5 4	16 42	1 41	21 8	1 19	19 13	1 18	8 29	1 35	6 30	2 47	23 43	0 15	22 23
T16	8 42	28 8	4 42	17 14	1 48	21 27	1 22	19 5	1 19	8 26	1 35	6 29	2 47	23 43	0 15	22 23
W17	9 4	27 4	4 4	17 46	1 54	21 45	1 25	18 57	1 20	8 23	1 35	6 27	2 47	23 43	0 15	22 23
T18	9 26	24 28	3 14	18 16	2 0	22 3	1 28	18 50	1 21	8 20	1 35	6 25	2 47	23 43	0 15	22 23
F19	9 48	20 39	2 16	18 45	2 5	22 20	1 31	18 42	1 22	8 17	1 35	6 23	2 47	23 43	0 15	22 23
S20	10 9	16 0	1 12	19 13	2 11	22 36	1 33	18 34	1 24	8 14	1 35	6 22	2 47	23 43	0 15	22 24
S21	10 31	10 47	0 6	19 40	2 16	22 52	1 36	18 26	1 25	8 11	1 34	6 20	2 47	23 43	0 15	22 24
M22	10 52	5 15	0s59	20 7	2 21	23 7	1 39	18 18	1 26	8 8	1 34	6 18	2 47	23 43	0 15	22 24
T23	11 14	0s24	2 0	20 32	2 26	23 22	1 42	18 10	1 27	8 6	1 34	6 17	2 47	23 43	0 15	22 24
W24	11 35	5 59	2 55	20 55	2 30	23 36	1 45	18 2	1 28	8 3	1 34	6 15	2 47	23 43	0 15	22 24
T25	11 56	11 19	3 43	21 18	2 34	23 49	1 47	17 54	1 29	8 0	1 34	6 13	2 47	23 43	0 15	22 24
F26	12 16	16 15	4 20	21 40	2 38	24 2	1 50	17 46	1 31	7 57	1 34	6 12	2 47	23 43	0 15	22 24
S27	12 37	20 34	4 47	22 0	2 41	24 14	1 53	17 38	1 32	7 54	1 34	6 10	2 47	23 43	0 15	22 24
S28	12 57	24 5	5 1	22 18	2 44	24 25	1 55	17 30	1 33	7 51	1 34	6 8	2 47	23 43	0 15	22 24
M29	13 18	26 34	5 1	22 36	2 47	24 36	1 58	17 22	1 34	7 49	1 34	6 7	2 47	23 43	0 15	22 24
T30	13 37	27 52	4 49	22 52	2 49	24 46	2 0	17 13	1 35	7 46	1 34	6 5	2 47	23 43	0 15	22 24
W31	13s57	27s50	4s23	23s 6	2s50	24s55	2s 2	17n 5	1n37	7n43	1s33	6n 3	2s47	23s43	0s15	22s24

Julian Day Number = 2386439.5, Delta T = 16.06 sec
 Ecliptic obliquity = 23°27'53, Nutation = 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°15'05, Lahiri = 21°22'05

ASTRODIENST EPHEMERIS for the year 1821

geocentric

NOVEMBER 1821

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 49	8♈16'19	14♈17	1♈42	18♈52	18♈10	23°R27	22°R 5	0♈20	0♈58	28°R 5	1°R57	1♈ 0	3♈42	2°R51	T 1
F 2	2 43 46	9°16'27	26°53	2°36	20° 3	18°40	23°Y20	22°Y 0	0°22	0°59	28°R 4	1♈54	0°56	3°49	2°Y49	F 2
S 3	2 47 42	10°16'36	9♈48	3°26	21°14	19°10	23°12	21°56	0°25	1° 1	28° 3	1°D54	0°53	3°55	2°47	S 3
S 4	2 51 39	11°16'48	23° 5	4°12	22°25	19°39	23° 5	21°51	0°28	1° 2	28° 2	1°54	0°50	4° 2	2°45	S 4
M 5	2 55 35	12°17'00	6♈47	4°53	23°36	20° 8	22°58	21°47	0°30	1° 4	28° 2	1°R54	0°47	4° 9	2°43	M 5
T 6	2 59 32	13°17'14	20°57	5°28	24°47	20°37	22°51	21°43	0°33	1° 6	28° 1	1°53	0°44	4°16	2°41	T 6
W 7	3 3 28	14°17'30	5°Y34	5°58	25°58	21° 6	22°44	21°39	0°36	1° 7	28° 0	1°49	0°41	4°22	2°39	W 7
T 8	3 7 25	15°17'47	20°33	6°21	27° 9	21°35	22°37	21°34	0°38	1° 9	27°59	1°43	0°37	4°29	2°37	T 8
F 9	3 11 21	16°18'05	5♈49	6°37	28°20	22° 3	22°30	21°30	0°41	1°11	27°59	1°34	0°34	4°36	2°35	F 9
S 10	3 15 18	17°18'26	21° 9	6°R45	29°30	22°31	22°23	21°26	0°44	1°12	27°58	1°23	0°31	4°42	2°34	S 10
S 11	3 19 15	18°18'48	6♈22	6°43	0♈41	22°59	22°17	21°22	0°47	1°14	27°57	1°12	0°28	4°49	2°32	S 11
M12	3 23 11	19°19'12	21°18	6°33	1°51	23°27	22°10	21°18	0°50	1°16	27°56	1° 1	0°25	4°56	2°30	M12
T 13	3 27 8	20°19'38	5♈49	6°13	3° 2	23°55	22° 4	21°15	0°53	1°18	27°56	0°53	0°21	5° 3	2°28	T 13
W14	3 31 4	21°20'05	19°50	5°42	4°12	24°22	21°58	21°11	0°56	1°20	27°55	0°47	0°18	5° 9	2°27	W14
T 15	3 35 1	22°20'35	3♈20	5° 1	5°22	24°49	21°52	21° 7	0°59	1°22	27°55	0°44	0°15	5°16	2°25	T 15
F 16	3 38 57	23°21'06	16°22	4°10	6°32	25°16	21°46	21° 3	1° 2	1°23	27°54	0°43	0°12	5°23	2°24	F 16
S 17	3 42 54	24°21'39	29° 0	3° 9	7°42	25°42	21°40	21° 0	1° 5	1°25	27°53	0°43	0° 9	5°29	2°22	S 17
S 18	3 46 50	25°22'13	11♈18	2° 1	8°52	26° 8	21°35	20°56	1° 8	1°27	27°53	0°43	0° 6	5°36	2°21	S 18
M19	3 50 47	26°22'50	23°22	0°45	10° 2	26°34	21°30	20°53	1°11	1°29	27°52	0°41	0° 2	5°43	2°20	M19
T 20	3 54 44	27°23'28	5♈18	29♈25	11°12	27° 0	21°24	20°49	1°14	1°31	27°52	0°37	29°59	5°49	2°18	T 20
W21	3 58 40	28°24'08	17° 8	28° 3	12°21	27°26	21°19	20°46	1°17	1°33	27°51	0°30	29°56	5°56	2°17	W21
T 22	4 2 37	29°24'49	28°57	26°42	13°31	27°51	21°15	20°43	1°20	1°35	27°51	0°20	29°53	6° 3	2°16	T 22
F 23	4 6 33	0♈25'32	10♈49	25°25	14°40	28°15	21°10	20°40	1°24	1°37	27°50	0° 8	29°50	6°10	2°15	F 23
S 24	4 10 30	1°26'16	22°43	24°13	15°50	28°40	21° 5	20°37	1°27	1°39	27°50	29°53	29°46	6°16	2°14	S 24
S 25	4 14 26	2°27'02	4♈43	23°10	16°59	29° 4	21° 1	20°34	1°30	1°41	27°49	29°38	29°43	6°23	2°12	S 25
M26	4 18 23	3°27'49	16°49	22°16	18° 8	29°28	20°57	20°31	1°33	1°43	27°49	29°23	29°40	6°30	2°11	M26
T 27	4 22 19	4°28'38	29° 2	21°34	19°17	29°52	20°53	20°28	1°37	1°45	27°49	29°11	29°37	6°36	2°10	T 27
W28	4 26 16	5°29'27	11♈24	21° 3	20°26	0♈15	20°49	20°26	1°40	1°47	27°48	29° 0	29°34	6°43	2°10	W28
T 29	4 30 13	6°30'18	23°54	20°43	21°34	0°38	20°46	20°23	1°43	1°49	27°48	28°53	29°31	6°50	2° 9	T 29
F 30	4 34 9	7♈31'09	6♈37	20°D35	22♈43	1♈ 0	20°Y42	20°Y21	1♈47	1♈51	27°Y48	28°Y49	29°Y27	6♈57	2°Y 8	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s17	26s25	3s45	23s19	2s51	25s 4	2s 5	16n57	1n38	7n41	1s33	6n 2	2s47	23s43	0s15	22s24	1n 4	15s54	16s32	10s47	11s 8	17s 4	3n49	2n56	
F 2	14 36	23 39	2 55	23 30	2 51	25 12	2 7	16 49	1 39	7 38	1 33	6 0	2 47	23 43	0 15	22 24	1 4	15 54	16 32	10 48	11 9	17 6	3 48	2 56	
S 3	14 55	19 39	1 55	23 39	2 50	25 19	2 9	16 41	1 40	7 35	1 33	5 59	2 46	23 43	0 15	22 24	1 4	15 54	16 32	10 49	11 10	17 9	3 47	2 56	
S 4	15 14	14 34	0 47	23 46	2 49	25 26	2 11	16 33	1 42	7 33	1 33	5 57	2 46	23 43	0 15	22 24	1 4	15 54	16 32	10 49	11 11	17 12	3 47	2 55	
M 5	15 32	8 38	0n26	23 52	2 47	25 32	2 13	16 25	1 43	7 30	1 33	5 56	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 49	11 12	17 14	3 46	2 55	
T 6	15 51	2 4	1 39	23 55	2 43	25 37	2 15	16 17	1 44	7 28	1 32	5 54	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 49	11 14	17 17	3 45	2 55	
W 7	16 9	4n47	2 48	23 56	2 39	25 41	2 17	16 9	1 46	7 25	1 32	5 53	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 50	11 15	17 20	3 44	2 55	
T 8	16 26	11 33	3 47	23 54	2 33	25 45	2 19	16 1	1 47	7 23	1 32	5 51	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 53	11 16	17 22	3 43	2 55	
F 9	16 44	17 44	4 31	23 50	2 26	25 48	2 21	15 53	1 48	7 21	1 32	5 50	2 46	23 43	0 15	22 24	1 4	15 55	16 30	10 56	11 17	17 25	3 42	2 54	
S 10	17 1	22 49	4 56	23 44	2 18	25 50	2 22	15 45	1 50	7 18	1 32	5 49	2 45	23 43	0 15	22 24	1 4	15 55	16 30	11 0	11 18	17 28	3 41	2 54	
S 11	17 18	26 19	5 0	23 34	2 8	25 52	2 24	15 37	1 51	7 16	1 31	5 47	2 45	23 43	0 15	22 24	1 3	15 55	16 30	11 4	11 19	17 30	3 40	2 54	
M12	17 35	27 53	4 42	23 21	1 57	25 52	2 25	15 29	1 52	7 14	1 31	5 46	2 45	23 43	0 15	22 24	1 3	15 55	16 30	11 7	11 20	17 33	3 39	2 54	
T 13	17 51	27 27	4 7	23 5	1 44	25 52	2 27	15 21	1 54	7 12	1 31	5 45	2 45	23 43	0 15	22 24	1 3	15 55	16 29	11 10	11 21	17 36	3 38	2 54	
W14	18 7	25 16	3 18	22 45	1 30	25 52	2 28	15 13	1 55	7 10	1 31	5 43	2 45	23 43	0 15	22 24	1 3	15 55	16 29	11 12	11 23	17 38	3 38	2 54	
T 15	18 22	21 41	2 19	22 22	1 14	25 50	2 29	15 5	1 56	7 8	1 31	5 42	2 45	23 43	0 15	22 24	1 3	15 55	16 29	11 13	11 24	17 41	3 37	2 53	
F 16	18 38	17 9	1 15	21 56	0 57	25 48	2 30	14 58	1 58	7 6	1 30	5 41	2 44	23 43	0 15	22 24	1 3	15 55	16 28	11 14	11 25	17 44	3 36	2 53	
S 17	18 53	11 59	0 9	21 26	0 38	25 45	2 31	14 50	1 59	7 4	1 30	5 40	2 44	23 43	0 15	22 24	1 3	15 55	16 28	11 14	11 26	17 46	3 35	2 53	
S 18	19 8	6 29	0s56	20 53	0 18	25 42	2 32	14 42	2 1	7 2	1 30	5 39	2 44	23 43	0 15	22 24	1 3	15 54	16 28	11 14	11 27	17 49	3 35	2 53	
M19	19 22	0 51	1 57	20 18	0n 2	25 38	2 33	14 35	2 2	7 0	1 30	5 38	2 44	23 43	0 15	22 24	1 3	15 54	16 27	11 15	11 28	17 51	3 34	2 53	
T 20	19 36	4s44	2 52	19 41	0 23	25 33	2 34	14 27	2 3	6 59	1 29	5 36	2 44	23 43	0 15	22 24	1 3	15 54	16 27	11 16	11 29	17 54	3 33	2 52	
W21	19 50	10 6	3 39	19 3	0 43	25 27	2 34	14 20	2 5	6 57	1 29	5 35	2 44	23 43	0 15	22 24	1 3	15 54	16 27	11 18	11 30	17 57	3 32	2 52	
T 22	20 3	15 6	4 16	18 25	1 3	25 20	2 35	14 13	2 6	6 55	1 29	5 34	2 43	23 43	0 15	22 24	1 3	15 54	16 27	11 22	11 32	17 59	3 32	2 52	
F 23	20 16	19 33	4 43	17 49	1 21	25 13	2 35	14 5	2 8	6 54	1 29	5 33	2 43	23 42	0 15	22 24	1 3	15 54	16 26	11 26	11 33	18 2	3 31	2 52	
S 24	20 28	23 15	4 57	17 16	1 38	25 6	2 35	13 58	2 9	6 52	1 28	5 33	2 43	23 42	0 15	22 24	1 3	15 54	16 26	11 31	11 34	18 5	3 30	2 51	
S 25	20 40	25 59	4 58	16 46	1 53	24 57	2 35	13 51	2 11	6 51	1 28	5 32	2 43	23 42	0 15	22 24	1 3	15 54	16 26	11 37	11 35	18 7	3 30	2 51	
M26	20 52	27 33	4 46	16 20	2 6	24 48	2 35	13 44	2 12	6 50	1 28	5 31	2 42	23 42	0 15	22 24	1 3	15 54	16 25	11 42	11 36	18 10	3 29	2 51	
T 27	21 4	27 48	4 20	15 59	2 16	24 38	2 35	13 37	2 14	6 49	1 27	5 30	2 42	23 42	0 15	22 24	1 3	15 54	16 25	11 46	11 37	18 12	3 29	2 51	
W28	21 15	26 40	3 42	15 43	2 25	24 28	2 35	13 31	2 16	6 47	1 27	5 29	2 42	23 42	0 15	22 24	1 3	15 53	16 25	11 50	11 38	18 15	3 28	2 51	
T 29	21 25	24 11	2 53	15 31	2 31	24 17	2 35	13 24	2 17	6 46	1 27	5 28	2 42	23 42	0 15	22 24	1 3	15 53	16 24	11 52	11 39	18 17	3 28	2 50	
F 30	21s35	20s29	1s54	15s25	2n36	24s 5	2s34	13n17	2n19	6n45	1s27	5n28	2s42	23s42	0s15	22s24	1n 3	15s53	16s24	11s54	11s40	18s20	3n27	2n50	

ASTRODIENST EPHEMERIS for the year 1821
geocentric

DECEMBER 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 38 6	8°32'02	19°33	20°37	23°51	1°23	20°R39	20°R18	1°50	1°54	27°R47	28°R47	29°24	7°10	2°R 7	S 1
S 2	4 42 2	9°32'55	2°47	20°49	24°59	1°44	20°Y36	20°Y16	1°54	1°56	27°H47	28°47	29°21	7°10	2°Y 7	S 2
M 3	4 45 59	10°33'48	16°21	21°11	26° 7	2° 6	20°34	20°14	1°57	1°58	27°47	28°47	29°18	7°17	2° 6	M 3
T 4	4 49 55	11°34'43	0°Y18	21°41	27°15	2°27	20°31	20°12	2° 0	2° 0	27°47	28°46	29°15	7°23	2° 5	T 4
W 5	4 53 52	12°35'38	14°37	22°19	28°23	2°48	20°29	20°10	2° 4	2° 2	27°47	28°43	29°12	7°30	2° 5	W 5
T 6	4 57 49	13°36'34	29°17	23° 3	29°30	3° 8	20°27	20° 8	2° 7	2° 4	27°46	28°37	29° 8	7°37	2° 4	T 6
F 7	5 1 45	14°37'31	14°B13	23°53	0°38	3°28	20°25	20° 6	2°11	2° 6	27°46	28°28	29° 5	7°44	2° 4	F 7
S 8	5 5 42	15°38'28	29°18	24°48	1°45	3°48	20°23	20° 4	2°14	2° 9	27°46	28°17	29° 2	7°50	2° 4	S 8
S 9	5 9 38	16°39'27	14°II22	25°48	2°52	4° 7	20°22	20° 3	2°18	2°11	27°46	28° 6	28°59	7°57	2° 3	S 9
M10	5 13 35	17°40'26	29°14	26°52	3°58	4°26	20°20	20° 1	2°21	2°13	27°46	27°56	28°56	8° 4	2° 3	M10
T 11	5 17 31	18°41'26	13°B45	27°59	5° 5	4°44	20°19	20° 0	2°25	2°15	27°46	27°47	28°53	8°10	2° 3	T 11
W12	5 21 28	19°42'27	27°51	29°10	6°11	5° 2	20°18	19°59	2°28	2°18	27°D46	27°41	28°49	8°17	2° 3	W12
T 13	5 25 24	20°43'29	11°B28	0°23	7°17	5°19	20°18	19°58	2°32	2°20	27°46	27°37	28°46	8°24	2° 3	T 13
F 14	5 29 21	21°44'32	24°37	1°38	8°23	5°36	20°17	19°57	2°35	2°22	27°46	27°D36	28°43	8°31	2°D 3	F 14
S 15	5 33 18	22°45'35	7°II20	2°55	9°28	5°53	20°17	19°56	2°39	2°24	27°46	27°37	28°40	8°37	2° 3	S 15
S 16	5 37 14	23°46'40	19°42	4°14	10°34	6° 9	20°D17	19°55	2°43	2°26	27°46	27°R37	28°37	8°44	2° 3	S 16
M17	5 41 11	24°47'45	1°49	5°35	11°39	6°25	20°17	19°54	2°46	2°29	27°46	27°37	28°33	8°51	2° 3	M17
T 18	5 45 7	25°48'52	13°45	6°57	12°44	6°40	20°17	19°53	2°50	2°31	27°46	27°35	28°30	8°57	2° 3	T 18
W19	5 49 4	26°49'58	25°36	8°20	13°48	6°54	20°18	19°53	2°53	2°33	27°46	27°31	28°27	9° 4	2° 4	W19
T 20	5 53 0	27°51'06	7°II26	9°44	14°52	7° 8	20°19	19°53	2°57	2°36	27°47	27°24	28°24	9°11	2° 4	T 20
F 21	5 56 57	28°52'15	19°19	11° 9	15°56	7°22	20°20	19°52	3° 0	2°38	27°47	27°15	28°21	9°18	2° 4	F 21
S 22	6 0 53	29°53'24	1°X18	12°34	17° 0	7°35	20°21	19°52	3° 4	2°40	27°47	27° 4	28°18	9°24	2° 5	S 22
S 23	6 4 50	0°35'43	13°25	14° 1	18° 3	7°47	20°22	19°D52	3° 8	2°42	27°47	26°53	28°14	9°31	2° 5	S 23
M24	6 8 47	1°55'43	25°43	15°28	19° 6	7°59	20°24	19°52	3°11	2°45	27°48	26°42	28°11	9°38	2° 6	M24
T 25	6 12 43	2°56'54	8°B10	16°56	20° 9	8°10	20°26	19°52	3°15	2°47	27°48	26°32	28° 8	9°44	2° 6	T 25
W26	6 16 40	3°58'04	20°48	18°24	21°11	8°21	20°28	19°53	3°19	2°49	27°48	26°24	28° 5	9°51	2° 7	W26
T 27	6 20 36	4°59'15	3°37	19°53	22°13	8°31	20°30	19°53	3°22	2°51	27°49	26°19	28° 2	9°58	2° 8	T 27
F 28	6 24 33	6° 0'25	16°36	21°22	23°15	8°40	20°32	19°53	3°26	2°54	27°49	26°16	27°59	10° 5	2° 9	F 28
S 29	6 28 29	7° 1'36	29°47	22°52	24°16	8°49	20°35	19°54	3°29	2°56	27°49	26°D16	27°55	10°11	2° 9	S 29
S 30	6 32 26	8° 2'46	13°H11	24°22	25°17	8°57	20°38	19°55	3°33	2°58	27°50	26°17	27°52	10°18	2°10	S 30
M31	6 36 23	9°3'57	26°H49	25°53	26°17	9°11	20°Y41	19°Y56	3°37	3°30	27°H50	26°18	27°49	10°25	2°Y11	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	21s45	15s44	0s49	15s23	2n38	23s53	2s34	13n11	2n20	6n44	1s26	5n27	2s41	23s42	0s15	22s24
S 2	21 54	10 10	0n21	15 25	2 39	23 40	2 33	13 5	2 22	6 44	1 26	5 26	2 41	23 42	0 15	22 24
M 3	22 3	3 59	1 32	15 31	2 39	23 26	2 32	12 58	2 24	6 43	1 26	5 26	2 41	23 42	0 15	22 24
T 4	22 12	2n32	2 38	15 40	2 37	23 12	2 31	12 52	2 25	6 42	1 25	5 25	2 41	23 42	0 15	22 24
W 5	22 20	9 6	3 37	15 52	2 35	22 57	2 30	12 46	2 27	6 42	1 25	5 25	2 40	23 42	0 15	22 24
T 6	22 27	15 20	4 23	16 7	2 31	22 42	2 29	12 40	2 29	6 41	1 25	5 24	2 40	23 42	0 15	22 24
F 7	22 35	20 46	4 52	16 23	2 27	22 26	2 27	12 35	2 30	6 41	1 24	5 24	2 40	23 42	0 15	22 24
S 8	22 41	24 55	5 1	16 42	2 22	22 10	2 26	12 29	2 32	6 40	1 24	5 23	2 40	23 42	0 15	22 24
S 9	22 48	27 20	4 49	17 1	2 16	21 53	2 24	12 24	2 34	6 40	1 24	5 23	2 39	23 42	0 15	22 24
M10	22 54	27 46	4 18	17 22	2 10	21 35	2 22	12 18	2 35	6 40	1 24	5 23	2 39	23 42	0 15	22 24
T 11	22 59	26 14	3 30	17 44	2 4	21 17	2 20	12 13	2 37	6 40	1 23	5 23	2 39	23 42	0 15	22 24
W12	23 4	23 5	2 31	18 6	1 57	20 59	2 18	12 8	2 39	6 40	1 23	5 22	2 38	23 42	0 15	22 24
T 13	23 8	18 43	1 25	18 28	1 50	20 40	2 16	12 4	2 41	6 40	1 23	5 22	2 38	23 42	0 15	22 24
F 14	23 12	13 35	0 16	18 50	1 42	20 20	2 14	11 59	2 43	6 40	1 22	5 22	2 38	23 41	0 15	22 24
S 15	23 16	8 2	0s52	19 13	1 35	20 0	2 11	11 55	2 44	6 40	1 22	5 22	2 38	23 41	0 15	22 24
S 16	23 19	2 19	1 55	19 35	1 27	19 40	2 8	11 50	2 46	6 40	1 22	5 22	2 37	23 41	0 15	22 24
M17	23 22	3s21	2 52	19 57	1 19	19 19	2 6	11 46	2 48	6 41	1 21	5 22	2 37	23 41	0 15	22 24
T 18	23 24	8 49	3 40	20 19	1 12	18 58	2 3	11 42	2 50	6 41	1 21	5 22	2 37	23 41	0 15	22 24
W19	23 26	13 55	4 19	20 40	1 4	18 36	1 59	11 39	2 52	6 42	1 21	5 22	2 37	23 41	0 15	22 24
T 20	23 27	18 30	4 46	21 1	0 56	18 14	1 56	11 35	2 54	6 42	1 20	5 22	2 36	23 41	0 15	22 24
F 21	23 28	22 24	5 1	21 21	0 48	17 52	1 53	11 32	2 56	6 43	1 20	5 22	2 36	23 41	0 15	22 24
S 22	23 28	25 23	5 3	21 40	0 40	17 29	1 49	11 29	2 58	6 44	1 20	5 22	2 36	23 41	0 15	22 24
S 23	23 28	27 15	4 52	21 58	0 32	17 6	1 45	11 26	3 0	6 44	1 19	5 23	2 35	23 41	0 15	22 24
M24	23 27	27 50	4 26	22 16	0 25	16 43	1 41	11 23	3 2	6 45	1 19	5 23	2 35	23 41	0 15	22 24
T 25	23 26	27 1	3 48	22 32	0 17	16 19	1 37	11 21	3 3	6 46	1 19	5 23	2 35	23 41	0 15	22 24
W26	23 24	24 47	2 58	22 48	0 10	15 55	1 33	11 19	3 5	6 47	1 19	5 24	2 35	23 41	0 15	22 24
T 27	23 22	21 17	1 59	23 2	0 2	15 31	1 29	11 17	3 7	6 48	1 18	5 24	2 34	23 41	0 15	22 23
F 28	23 20	16 42	0 52	23 16	0s 5	15 6	1 24	11 15	3 9	6 50	1 18	5 25	2 34	23 40	0 15	22 23
S 29	23 17	11 16	0n19	23 28	0 12	14 42	1 19	11 14	3 12	6 51	1 18	5 25	2 34	23 40	0 15	22 23
S 30	23 13	5 14	1 30	23 40	0 19	14 16	1 14	11 12	3 14	6 52	1 17	5 26	2 33	23 40	0 15	22 23
M31	23s 9	1n 8	2n37	23s50	0s26	13s51	1s 9	11n11	3n16	6n54	1s17	5n26	2s33	23s40	0s15	22s23

Julian Day Number = 2386500.5, Delta T = 15.98 sec
Ecliptic obliquity = 23°27'52, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°15'13, Lahiri = 21°22'14