



Astrodienst Ephemeris Tables for the year 1772

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 1772

geocentric

MARCH 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 37 19	11° 05'4	2° 47'	17° 39'	11° 36'	16° 21'	16° 58'	25° R12	16° 23'	14° R55	20° 42'	0° R 5	1° 38'	22° 55'	29° 59'	S 1
M 2	10 41 15	12° 1'01	14° 55'	19° 5	12° 49	17° 7	17° 12	25° 8	16° 25'	14° 53'	20° 44'	29° 56'	1° 35'	23° 2	0° 2	M 2
T 3	10 45 12	13° 1'05	26° 55'	20° 31	14° 2	17° 54	17° 25	25° 3	16° 27	14° 51	20° 45	29° 46	1° 32	23° 8	0° 6	T 3
W 4	10 49 8	14° 1'08	8° 50'	21° 59	15° 16	18° 41	17° 39	24° 59	16° 29	14° 50	20° 46	29° 37	1° 28	23° 15	0° 9	W 4
T 5	10 53 5	15° 1'09	20° 41	23° 29	16° 29	19° 28	17° 53	24° 54	16° 31	14° 48	20° 48	29° 30	1° 25	23° 22	0° 13	T 5
F 6	10 57 1	16° 1'08	2° 29	24° 59	17° 42	20° 15	18° 6	24° 50	16° 33	14° 46	20° 49	29° 24	1° 22	23° 28	0° 16	F 6
S 7	11 0 58	17° 1'05	14° 17	26° 31	18° 55	21° 2	18° 19	24° 45	16° 35	14° 45	20° 50	29° 21	1° 19	23° 35	0° 20	S 7
S 8	11 4 54	18° 1'00	26° 8	28° 4	20° 7	21° 49	18° 33	24° 41	16° 37	14° 43	20° 51	29° D19	1° 16	23° 42	0° 23	S 8
M 9	11 8 51	19° 0'53	8° 4	29° 38	21° 20	22° 36	18° 46	24° 37	16° 39	14° 41	20° 53	29° 20	1° 13	23° 48	0° 27	M 9
T 10	11 12 47	20° 0'43	20° 8	1° 14	22° 33	23° 22	19° 0	24° 33	16° 42	14° 40	20° 54	29° 21	1° 9	23° 55	0° 30	T 10
W11	11 16 44	21° 0'32	2° 26	2° 50	23° 46	24° 9	19° 13	24° 29	16° 44	14° 38	20° 55	29° 23	1° 6	24° 2	0° 34	W11
T 12	11 20 41	22° 0'18	15° 2	4° 28	24° 58	24° 56	19° 26	24° 25	16° 46	14° 36	20° 56	29° 24	1° 3	24° 8	0° 38	T 12
F 13	11 24 37	23° 0'02	28° 0	6° 7	26° 11	25° 43	19° 39	24° 21	16° 48	14° 35	20° 57	29° R24	1° 0	24° 15	0° 41	F 13
S 14	11 28 34	23° 59'44	11° 24	7° 47	27° 23	26° 30	19° 52	24° 17	16° 51	14° 33	20° 59	29° 23	0° 57	24° 22	0° 45	S 14
S 15	11 32 30	24° 59'23	25° 16	9° 29	28° 36	27° 17	20° 5	24° 13	16° 53	14° 32	21° 0	29° 20	0° 53	24° 28	0° 49	S 15
M16	11 36 27	25° 59'00	9° 36	11° 11	29° 48	28° 4	20° 18	24° 9	16° 56	14° 30	21° 1	29° 16	0° 50	24° 35	0° 52	M16
T 17	11 40 23	26° 58'35	24° 22	12° 55	1° 0	28° 51	20° 31	24° 6	16° 58	14° 28	21° 2	29° 11	0° 47	24° 42	0° 56	T 17
W18	11 44 20	27° 58'08	9° 27	14° 40	2° 12	29° 38	20° 44	24° 2	17° 1	14° 27	21° 3	29° 6	0° 44	24° 48	0° 59	W18
T 19	11 48 16	28° 57'38	24° 22	16° 27	3° 24	0° 24	20° 57	23° 58	17° 3	14° 25	21° 4	29° 3	0° 41	24° 55	1° 3	T 19
F 20	11 52 13	29° 57'06	9° 57	18° 15	4° 36	1° 11	21° 9	23° 55	17° 6	14° 23	21° 5	29° 0	0° 38	25° 2	1° 7	F 20
S 21	11 56 10	0° 56'33	25° 2	20° 4	5° 48	1° 58	21° 22	23° 52	17° 8	14° 22	21° 6	28° D59	0° 34	25° 8	1° 10	S 21
S 22	12 0 6	1° 55'57	9° 49	21° 54	7° 0	2° 45	21° 35	23° 48	17° 11	14° 20	21° 7	28° 59	0° 31	25° 15	1° 14	S 22
M23	12 4 3	2° 55'20	24° 11	23° 46	8° 12	3° 32	21° 47	23° 45	17° 14	14° 19	21° 7	29° 0	0° 28	25° 22	1° 18	M23
T 24	12 7 59	3° 54'41	8° 7	25° 39	9° 24	4° 19	22° 0	23° 42	17° 17	14° 17	21° 8	29° 2	0° 25	25° 28	1° 21	T 24
W25	12 11 56	4° 54'00	21° 36	27° 33	10° 35	5° 6	22° 12	23° 39	17° 19	14° 16	21° 9	29° 3	0° 22	25° 35	1° 25	W25
T 26	12 15 52	5° 53'17	4° 40	29° 28	11° 47	5° 53	22° 24	23° 36	17° 22	14° 14	21° 10	29° R 4	0° 18	25° 42	1° 29	T 26
F 27	12 19 49	6° 52'33	17° 23	1° 25	12° 58	6° 40	22° 37	23° 33	17° 25	14° 13	21° 11	29° 3	0° 15	25° 48	1° 32	F 27
S 28	12 23 45	7° 51'47	29° 47	3° 24	14° 9	7° 26	22° 49	23° 30	17° 28	14° 11	21° 11	29° 2	0° 12	25° 55	1° 36	S 28
S 29	12 27 42	8° 50'59	11° 58	5° 23	15° 21	8° 13	23° 1	23° 27	17° 31	14° 10	21° 12	29° 0	0° 9	26° 2	1° 39	S 29
M30	12 31 39	9° 50'09	9° 50	7° 23	16° 32	9° 0	23° 13	23° 25	17° 34	14° 8	21° 13	28° 57	0° 6	26° 8	1° 43	M30
T 31	12 35 35	10° 49'17	5° 52	9° 25	17° 43	9° 47	23° 25	23° 22	17° 36	14° 7	21° 14	28° 54	0° 3	26° 15	1° 47	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	7s27	14s35	5n 7	17s 4	1s35	4n 4	0s34	17s 0	1s 6	16s22	0s38	14n39	1n36	16n28	0s18	6n56
M 2	7 4	11 39	4 57	16 43	1 41	4 35	0 32	16 46	1 6	16 18	0 38	14 40	1 36	16 28	0 18	6 57
T 3	6 41	8 16	4 34	16 20	1 46	5 6	0 29	16 32	1 6	16 14	0 38	14 42	1 36	16 29	0 18	6 58
W 4	6 18	4 35	3 59	15 56	1 50	5 37	0 26	16 18	1 7	16 10	0 38	14 43	1 36	16 30	0 18	6 58
T 5	5 54	0 44	3 14	15 31	1 55	6 8	0 23	16 4	1 7	16 6	0 38	14 45	1 36	16 30	0 18	6 59
F 6	5 31	3n 8	2 20	15 4	1 59	6 38	0 20	15 49	1 7	16 2	0 38	14 46	1 36	16 31	0 18	7 0
S 7	5 8	6 53	1 21	14 36	2 2	7 9	0 17	15 34	1 8	15 58	0 39	14 48	1 36	16 31	0 18	7 0
S 8	4 45	10 22	0 17	14 7	2 5	7 39	0 14	15 19	1 8	15 54	0 39	14 49	1 36	16 32	0 18	7 1
M 9	4 21	13 28	0s47	13 36	2 8	8 10	0 11	15 4	1 8	15 50	0 39	14 51	1 36	16 33	0 18	7 2
T 10	3 58	16 1	1 51	13 5	2 10	8 40	0 8	14 49	1 8	15 46	0 39	14 52	1 36	16 33	0 18	7 2
W11	3 34	17 53	2 51	12 31	2 12	9 9	0 5	14 34	1 9	15 42	0 39	14 54	1 36	16 34	0 18	7 3
T 12	3 11	18 55	3 44	11 57	2 13	9 39	0 2	14 18	1 9	15 38	0 39	14 55	1 36	16 35	0 18	7 4
F 13	2 47	19 0	4 27	11 21	2 14	10 8	0n 1	14 3	1 9	15 34	0 39	14 56	1 36	16 35	0 18	7 4
S 14	2 23	18 2	4 57	10 45	2 15	10 38	0 4	13 47	1 9	15 30	0 40	14 58	1 36	16 36	0 18	7 5
S 15	2 0	16 0	5 12	10 6	2 15	11 6	0 8	13 31	1 9	15 26	0 40	14 59	1 36	16 37	0 18	7 6
M16	1 36	12 56	5 7	9 27	2 15	11 35	0 11	13 15	1 10	15 22	0 40	15 0	1 36	16 37	0 18	7 6
T 17	1 12	8 58	4 43	8 46	2 14	12 3	0 14	12 59	1 10	15 18	0 40	15 1	1 36	16 38	0 18	7 7
W18	0 49	4 21	3 59	8 5	2 12	12 32	0 17	12 42	1 10	15 14	0 40	15 2	1 36	16 39	0 18	7 7
T 19	0 25	0s36	2 57	7 22	2 11	12 59	0 21	12 26	1 10	15 10	0 40	15 4	1 36	16 40	0 18	7 8
F 20	0 1	5 31	1 43	6 37	2 8	13 27	0 24	12 10	1 10	15 6	0 40	15 5	1 36	16 40	0 18	7 9
S 21	0n23	10 2	0 22	5 52	2 6	13 54	0 27	11 53	1 11	15 2	0 41	15 6	1 36	16 41	0 18	7 9
S 22	0 46	13 50	0n59	5 5	2 2	14 21	0 31	11 36	1 11	14 58	0 41	15 7	1 36	16 42	0 18	7 10
M23	1 10	16 40	2 14	4 18	1 59	14 48	0 34	11 19	1 11	14 54	0 41	15 8	1 36	16 43	0 18	7 11
T 24	1 33	18 25	3 19	3 29	1 54	15 14	0 37	11 2	1 11	14 50	0 41	15 9	1 36	16 43	0 18	7 11
W25	1 57	19 2	4 10	2 39	1 50	15 40	0 41	10 45	1 11	14 47	0 41	15 10	1 36	16 44	0 18	7 12
T 26	2 20	18 36	4 47	1 48	1 44	16 5	0 44	10 28	1 11	14 43	0 41	15 11	1 36	16 45	0 18	7 12
F 27	2 44	17 14	5 9	0 56	1 38	16 30	0 47	10 11	1 11	14 39	0 42	15 12	1 36	16 46	0 18	7 13
S 28	3 7	15 5	5 15	0 3	1 32	16 55	0 51	9 54	1 11	14 35	0 42	15 13	1 36	16 47	0 18	7 13
S 29	3 31	12 18	5 7	0n50	1 25	17 19	0 54	9 36	1 12	14 31	0 42	15 14	1 36	16 48	0 18	7 14
M30	3 54	9 3	4 46	1 45	1 18	17 43	0 58	9 19	1 12	14 27	0 42	15 14	1 36	16 48	0 18	7 15
T 31	4n17	5s28	4n12	2n40	1s10	18n 6	1n 1	9s 1	1s12	14s24	0s42	15n15	1n36	16n49	0s18	7n15

Julian Day Number = 2368329.5, Delta T = 21.51 sec
 Ecliptic obliquity = 23°28'01, Nutation = 0°00'10, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°33'34, Lahiri = 20°40'34Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1772
geocentric

APRIL 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 39 32	11°48'23	17°41	11°28	18°54	10°34	23°36	23°R20	17°39	14°R 5	21°14	28°R51	29°59	26°22	1°50	W 1
T 2	12 43 28	12°47'27	29°30	13°31	20° 5	11°21	23°48	23°18	17°42	14°4	21°15	28°49	29°56	26°28	1°54	T 2
F 3	12 47 25	13°46'30	11°19	15°35	21°15	12° 7	24° 0	23°15	17°45	14° 2	21°15	28°47	29°53	26°35	1°57	F 3
S 4	12 51 21	14°45'30	23°11	17°40	22°26	12°54	24°11	23°13	17°48	14° 1	21°16	28°D46	29°50	26°42	2° 1	S 4
S 5	12 55 18	15°44'28	5° 8	19°46	23°37	13°41	24°23	23°11	17°51	14° 0	21°16	28°46	29°47	26°48	2° 5	S 5
M 6	12 59 14	16°43'24	17°13	21°51	24°47	14°28	24°34	23° 9	17°55	13°58	21°17	28°47	29°44	26°55	2° 8	M 6
T 7	13 3 11	17°42'18	29°27	23°56	25°57	15°14	24°46	23° 7	17°58	13°57	21°17	28°48	29°40	27° 2	2°12	T 7
W 8	13 7 7	18°41'10	11°11	26° 1	27° 8	16° 1	24°57	23° 6	18° 1	13°56	21°18	28°49	29°37	27° 8	2°15	W 8
T 9	13 11 4	19°40'00	24°36	28° 6	28°18	16°48	25° 8	23° 4	18° 4	13°54	21°18	28°50	29°34	27°15	2°19	T 9
F 10	13 15 1	20°38'47	7°36	0° 9	29°28	17°34	25°19	23° 3	18° 7	13°53	21°19	28°50	29°31	27°22	2°22	F 10
S 11	13 18 57	21°37'32	20°57	2°11	0°11	18°21	25°30	23° 1	18°10	13°52	21°19	28°R51	29°28	27°28	2°26	S 11
S 12	13 22 54	22°36'15	4°40	4°12	1°48	19° 8	25°41	23° 0	18°14	13°50	21°19	28°50	29°24	27°35	2°29	S 12
M13	13 26 50	23°34'56	18°46	6°10	2°57	19°54	25°51	22°59	18°17	13°49	21°19	28°50	29°21	27°42	2°33	M13
T 14	13 30 47	24°33'34	3°15	8° 6	4° 7	20°41	26° 2	22°58	18°20	13°48	21°20	28°50	29°18	27°48	2°36	T 14
W15	13 34 43	25°32'10	18° 2	10° 0	5°16	21°27	26°13	22°57	18°23	13°47	21°20	28°49	29°15	27°55	2°40	W15
T 16	13 38 40	26°30'44	3° 1	11°50	6°25	22°14	26°23	22°56	18°27	13°46	21°20	28°49	29°12	28° 2	2°43	T 16
F 17	13 42 36	27°29'15	18° 5	13°38	7°35	23° 0	26°33	22°55	18°30	13°45	21°20	28°49	29° 9	28° 8	2°46	F 17
S 18	13 46 33	28°27'45	3°15	15°22	8°44	23°47	26°43	22°54	18°33	13°44	21°20	28°49	29° 5	28°15	2°50	S 18
S 19	13 50 30	29°26'13	17°53	17° 2	9°53	24°33	26°54	22°54	18°36	13°43	21°21	28°49	29° 2	28°22	2°53	S 19
M20	13 54 26	0°24'39	2°12	18°38	11° 1	25°20	27° 4	22°53	18°40	13°41	21°21	28°49	28°59	28°28	2°56	M20
T 21	13 58 23	1°23'04	16°25	20°10	12°10	26° 6	27°13	22°53	18°43	13°40	21°21	28°49	28°56	28°35	3° 0	T 21
W22	14 2 19	2°21'27	0° 3	21°38	13°18	26°53	27°23	22°53	18°47	13°39	21°R21	28°48	28°53	28°42	3° 3	W22
T 23	14 6 16	3°19'48	13°15	23° 2	14°27	27°39	27°33	22°52	18°50	13°39	21°21	28°48	28°49	28°48	3° 6	T 23
F 24	14 10 12	4°18'08	26° 3	24°21	15°35	28°25	27°42	22°D52	18°53	13°38	21°21	28°48	28°46	28°55	3° 9	F 24
S 25	14 14 9	5°16'26	8°30	25°36	16°43	29°12	27°52	22°52	18°57	13°37	21°21	28°D47	28°43	29° 2	3°13	S 25
S 26	14 18 5	6°14'43	20°41	26°45	17°51	29°58	28° 1	22°53	19° 0	13°36	21°20	28°48	28°40	29° 8	3°16	S 26
M27	14 22 2	7°12'58	2°39	27°51	18°59	0°44	28°10	22°53	19° 4	13°35	21°20	28°48	28°37	29°15	3°19	M27
T 28	14 25 59	8°11'11	14°31	28°51	20° 6	1°30	28°19	22°53	19° 7	13°34	21°20	28°49	28°34	29°22	3°22	T 28
W29	14 29 55	9° 9'23	26°19	29°46	21°14	2°17	28°28	22°54	19°10	13°33	21°20	28°50	28°30	29°28	3°25	W29
T 30	14 33 52	10° 7'33	8° 7	0°11	22°11	3° 3	28°37	22°54	19°14	13°33	21°20	28°51	28°27	29°35	3°28	T 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
W 1	4n40	1s41	3n28	3n36	1s 2	18n29	1n 4	8s43	1s12	14s20	0s42	15n16	1n36	16n50	0s18	7n16	1n 5	22s30	0s43	11s 5	11s29	1n10	3n26	2n57			
T 2	5 3	2n10	2 35	4 32	0 53	18 52	1 8	8 26	1 12	14 16	0 43	15 17	1 36	16 51	0 18	7 16	1 5	22 30	0 43	11 4	11 28	1 12	3 28	2 57			
F 3	5 26	5 56	1 35	5 29	0 43	19 14	1 11	8 8	1 12	14 13	0 43	15 17	1 36	16 52	0 18	7 17	1 5	22 30	0 43	11 3	11 27	1 14	3 29	2 57			
S 4	5 49	9 30	0 31	6 25	0 34	19 36	1 14	7 50	1 12	14 9	0 43	15 18	1 36	16 53	0 18	7 17	1 5	22 30	0 43	11 3	11 26	1 16	3 30	2 57			
S 5	6 12	12 42	0s35	7 22	0 24	19 57	1 17	7 32	1 12	14 5	0 43	15 19	1 36	16 53	0 18	7 18	1 5	22 30	0 44	11 3	11 24	1 18	3 32	2 57			
M 6	6 35	15 23	1 41	8 19	0 13	20 17	1 21	7 14	1 12	14 2	0 43	15 19	1 36	16 54	0 18	7 18	1 5	22 30	0 44	11 3	11 23	1 20	3 33	2 57			
T 7	6 57	17 25	2 42	9 16	0 3	20 37	1 24	6 56	1 12	13 58	0 43	15 20	1 35	16 55	0 18	7 19	1 5	22 30	0 44	11 4	11 22	1 22	3 34	2 57			
W 8	7 20	18 39	3 37	10 11	0n 8	20 57	1 27	6 38	1 12	13 54	0 44	15 20	1 35	16 56	0 18	7 19	1 5	22 30	0 44	11 4	11 21	1 24	3 36	2 57			
T 9	7 42	18 59	4 23	11 7	0 19	21 16	1 30	6 20	1 12	13 51	0 44	15 21	1 35	16 57	0 18	7 20	1 5	22 30	0 44	11 4	11 20	1 26	3 37	2 57			
F 10	8 4	18 19	4 56	12 1	0 30	21 35	1 33	6 2	1 12	13 47	0 44	15 21	1 35	16 58	0 18	7 20	1 5	22 30	0 44	11 4	11 19	1 28	3 39	2 57			
S 11	8 26	16 39	5 15	12 54	0 42	21 53	1 36	5 43	1 12	13 44	0 44	15 21	1 35	16 59	0 18	7 21	1 4	22 30	0 44	11 5	11 18	1 30	3 40	2 57			
S 12	8 48	14 0	5 16	13 46	0 53	22 10	1 39	5 25	1 12	13 40	0 44	15 22	1 35	17 0	0 18	7 21	1 4	22 30	0 44	11 4	11 17	1 32	3 41	2 57			
M13	9 10	10 29	4 59	14 36	1 4	22 27	1 42	5 7	1 12	13 37	0 45	15 22	1 35	17 1	0 18	7 22	1 4	22 30	0 44	11 4	11 15	1 34	3 43	2 57			
T 14	9 32	6 15	4 22	15 24	1 14	22 43	1 45	4 48	1 12	13 33	0 45	15 22	1 35	17 2	0 18	7 22	1 4	22 30	0 45	11 4	11 14	1 36	3 44	2 57			
W15	9 53	1 33	3 28	16 10	1 25	22 59	1 48	4 30	1 12	13 30	0 45	15 23	1 35	17 2	0 18	7 23	1 4	22 30	0 45	11 4	11 13	1 38	3 45	2 57			
T 16	10 14	3s19	2 19	16 54	1 35	23 14	1 51	4 11	1 12	13 27	0 45	15 23	1 35	17 3	0 18	7 23	1 4	22 31	0 45	11 4	11 12	1 40	3 47	2 57			
F 17	10 35	8 1	0 59	17 36	1 44	23 29	1 54	3 53	1 12	13 23	0 45	15 23	1 35	17 4	0 17	7 23	1 4	22 31	0 45	11 4	11 11	1 42	3 48	2 57			
S 18	10 56	12 11	0n24	18 16	1 53	23 42	1 57	3 35	1 12	13 20	0 46	15 23	1 35	17 5	0 17	7 24	1 4	22 31	0 45	11 4	11 10	1 44	3 50	2 57			
S 19	11 17	15 31	1 44	18 53	2 2	23 56	2 0	3 16	1 12	13 17	0 46	15 23	1 35	17 6	0 17	7 24	1 4	22 31	0 45	11 4	11 9	1 46	3 51	2 57			
M20	11 38	17 47	2 56	19 28	2 9	24 8	2 2	2 58	1 12	13 14	0 46	15 23	1 34	17 7	0 17	7 25	1 4	22 31	0 45	11 4	11 8	1 48	3 52	2 57			
T 21	11 58	18 53	3 55	20 0	2 16	24 21	2 5	2 39	1 12	13 10	0 46	15 23	1 34	17 8	0 17	7 25	1 4	22 31	0 45	11 4	11 6	1 50	3 53	2 57			
W22	12 18	18 49	4 39	20 29	2 23	24 32	2 8	2 21	1 12	13 7	0 46	15 23	1 34	17 9	0 17	7 25	1 4	22 31	0 45	11 4	11 5	1 52	3 55	2 57			
T 23	12 38	17 44	5 6	20 56	2 28	24 43	2 10	2 2	1 12	13 4	0 47	15 23	1 34	17 10	0 17	7 26	1 4	22 31	0 46	11 4	11 4	1 53	3 56	2 57			
F 24	12 58	15 46	5 17	21 21	2 33	24 53	2 13	1 43	1 12	13 1	0 47	15 23	1 34	17 11	0 17	7 26	1 4	22 31	0 46	11 3	11 3	1 55	3 57	2 57			
S 25	13 18	13 7	5 13	21 43	2 36	25 2	2 15	1 25	1 12	12 58	0 47	15 23	1 34	17 12	0 17	7 26	1 4	22 32	0 46	11 3	11 2	1 57	3 59	2 57			
S 26	13 37	9 57	4 55	22 2	2 39	25 11	2 17	1 6	1 11	12 55	0 47	15 23	1 34	17 13	0 17	7 27	1 4	22 32	0 46	11 4	11 1	1 59	4 0	2 57			
M27	13 56	6 26	4 24	22 19	2 41	25 19	2 19	0 48	1 11	12 52	0 47	15 23	1 34	17 14	0 17	7 27	1 4	22 32	0 46	11 4	11 0	2 1	4 1	2 57			
T 28	14 15	2 41	3 42	22 33	2 42	25 27	2 22	0 29	1 11	12 49	0 48	15 23	1 34	17 15	0 17	7 27	1 4	22 32	0 46	11 4	10 58	2 3	4 3	2 57			
W29	14 34	1n 9	2 51	22 45	2 41	25 34	2 24	0 11	1 11	12 46	0 48	15 23	1 34	17 16	0 17	7 28	1 4	22 32	0 46	11 4	10 57	2 5	4 4	2 57			
T 30	14n52	4n57	1n53	22n55	2n40	25n40	2n26	0n 8	1s11	12s43	0s48	15n22	1n34	17n17	0s17	7n28	1n 4	22s32	0s46	11s 5	10s56	2n 7	4n 5	2n57			

ASTRODIENST EPHEMERIS for the year 1772

geocentric

MAY 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 37 48	11° 5'42	20°0' 0	1°11'22	23°11'28	3°49'49	28°45'45	22°55'55	19°18'17	13°30'32	21°19'19	28°52'52	28°24'24	29°44'42	3°31'31	F 1
S 2	14 41 45	12° 3'49	1°59'59	2° 3' 3	24°35'35	4°35'35	28°54'54	22°56'56	19°21'21	13°31'31	21°19'19	28°52'52	28°21'21	29°48'48	3°34'34	S 2
S 3	14 45 41	13° 1'55	14° 6' 6	2°38'38	25°42'42	5°21'21	29° 2' 2	22°57'57	19°24'24	13°30'30	21°19'19	28°51'51	28°18'18	29°55'55	3°37'37	S 3
M 4	14 49 38	13°59'59	26°25'25	3° 8' 8	26°48'48	6° 7' 7	29°11'11	22°58'58	19°28'28	13°30'30	21°19'19	28°50'50	28°15'15	0°0' 2	3°40'40	M 4
T 5	14 53 34	14°58'01	8°11'55	3°33'33	27°54'54	6°53'53	29°19'19	22°59'59	19°31'31	13°29'29	21°18'18	28°48'48	28°11'11	0° 8' 8	3°43'43	T 5
W 6	14 57 31	15°56'02	21°39'39	3°53'53	29° 1' 1	7°39'39	29°27'27	23° 0' 0	19°35'35	13°29'29	21°18'18	28°46'46	28° 8' 8	0°15'15	3°46'46	W 6
T 7	15 1 28	16°54'00	4°36'36	4° 8' 8	0°57'57	8°25'25	29°35'35	23° 1' 1	19°38'38	13°28'28	21°17'17	28°43'43	28° 5' 5	0°22'22	3°49'49	T 7
F 8	15 5 24	17°51'58	17°48'48	4°17'17	1°12'12	9°11'11	29°42'42	23° 3' 3	19°42'42	13°27'27	21°17'17	28°41'41	28° 2' 2	0°28'28	3°52'52	F 8
S 9	15 9 21	18°49'53	1°15'15	4°22'22	2°18'18	9°56'56	29°50'50	23° 4' 4	19°45'45	13°27'27	21°17'17	28°39'39	27°59'59	0°35'35	3°55'55	S 9
S 10	15 13 17	19°47'46	14°58'58	4°21'21	3°23'23	10°42'42	29°57'57	23° 6' 6	19°49'49	13°26'26	21°16'16	28°38'38	27°55'55	0°42'42	3°58'58	S 10
M 11	15 17 14	20°45'38	28°56'56	4°16'16	4°28'28	11°28'28	0°4' 4	23° 8' 8	19°52'52	13°26'26	21°16'16	28°39'39	27°52'52	0°48'48	4° 0' 0	M 11
T 12	15 21 10	21°43'27	13°9' 9	4° 6' 6	5°33'33	12°14'14	0°12'12	23°10'10	19°56'56	13°26'26	21°15'15	28°40'40	27°49'49	0°55'55	4° 3' 3	T 12
W 13	15 25 7	22°41'15	27°36'36	3°52'52	6°38'38	12°59'59	0°18'18	23°12'12	19°59'59	13°25'25	21°14'14	28°41'41	27°46'46	1° 2' 2	4° 6' 6	W 13
T 14	15 29 3	23°39'02	12°12'12	3°33'33	7°42'42	13°45'45	0°25'25	23°14'14	20° 3' 3	13°25'25	21°14'14	28°42'42	27°43'43	1° 8' 8	4° 8' 8	T 14
F 15	15 33 0	24°36'46	26°53'53	3°11'11	8°47'47	14°30'30	0°32'32	23°16'16	20° 6' 6	13°25'25	21°13'13	28°43'43	27°40'40	1°15'15	4°11'11	F 15
S 16	15 36 57	25°34'29	11°13'13	2°46'46	9°51'51	15°16'16	0°38'38	23°18'18	20°10'10	13°24'24	21°13'13	28°42'42	27°36'36	1°22'22	4°13'13	S 16
S 17	15 40 53	26°32'11	26° 7' 7	2°18'18	10°54'54	16° 1' 1	0°45'45	23°21'21	20°13'13	13°24'24	21°12'12	28°40'40	27°33'33	1°28'28	4°16'16	S 17
M 18	15 44 50	27°29'51	10°26'26	1°47'47	11°58'58	16°47'47	0°51'51	23°23'23	20°17'17	13°24'24	21°11'11	28°37'37	27°30'30	1°35'35	4°18'18	M 18
T 19	15 48 46	28°27'31	24°27'27	1°15'15	13° 1' 1	17°32'32	0°57'57	23°26'26	20°20'20	13°24'24	21°10'10	28°33'33	27°27'27	1°42'42	4°21'21	T 19
W 20	15 52 43	29°25'09	8° 3' 6	0°41'41	14° 4' 4	18°18'18	1° 3' 3	23°28'28	20°23'23	13°24'24	21°10'10	28°29'29	27°24'24	1°48'48	4°23'23	W 20
T 21	15 56 39	0°11'22'46	21°20'20	0° 7' 7	15° 6' 6	19° 3' 3	1° 9' 9	23°31'31	20°27'27	13°23'23	21° 9' 9	28°24'24	27°21'21	1°55'55	4°26'26	T 21
F 22	16 0 36	1°20'22	4°11'11	29°33'33	16° 8' 8	19°48'48	1°14'14	23°34'34	20°30'30	13°23'23	21° 8' 8	28°20'20	27°17'17	2° 2' 2	4°28'28	F 22
S 23	16 4 32	2°17'57	16°41'41	29° 0' 0	17°10'10	20°33'33	1°20'20	23°37'37	20°34'34	13°23'23	21° 7' 7	28°18'18	27°14'14	2° 8' 8	4°30'30	S 23
S 24	16 8 29	3°15'30	28°54'54	28°27'27	18°12'12	21°18'18	1°25'25	23°40'40	20°37'37	13°23'23	21° 6' 6	28°16'16	27°11'11	2°15'15	4°33'33	S 24
M 25	16 12 26	4°13'04	10°54'54	27°56'56	19°13'13	22° 3' 3	1°30'30	23°43'43	20°41'41	13°23'23	21° 6' 6	28°16'16	27° 8' 8	2°22'22	4°35'35	M 25
T 26	16 16 22	5°10'36	22°45'45	27°28'28	20°14'14	22°48'48	1°35'35	23°46'46	20°44'44	13°23'23	21° 5' 5	28°18'18	27° 5' 5	2°28'28	4°37'37	T 26
W 27	16 20 19	6° 8'07	4°34'34	27° 2' 2	21°15'15	23°33'33	1°39'39	23°49'49	20°47'47	13°23'23	21° 4' 4	28°19'19	27° 1' 1	2°35'35	4°39'39	W 27
T 28	16 24 15	7° 5'37	16°24'24	26°39'39	22°15'15	24°18'18	1°44'44	23°53'53	20°51'51	13°23'23	21° 3' 3	28°21'21	26°58'58	2°42'42	4°41'41	T 28
F 29	16 28 12	8° 3'07	28°21'21	26°20'20	23°15'15	25° 3' 3	1°48'48	23°56'56	20°54'54	13°24'24	21° 2' 2	28°21'21	26°55'55	2°48'48	4°43'43	F 29
S 30	16 32 8	9° 0'36	10°27'27	26° 4' 4	24°15'15	25°48'48	1°53'53	24° 0' 0	20°58'58	13°24'24	21° 1' 1	28°21'21	26°52'52	2°55'55	4°45'45	S 30
S 31	16 36 5	9°58'04	22°48'48	25°52'52	25°14'14	26°33'33	1°57'57	24° 3' 3	21°18'18	13°24'24	21° 0' 0	28°18'18	26°49'49	3°0' 2	4°47'47	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	15n10	8n35	0n49	23n 2	2n37	25n46	2n28	0n26	1s11	12s40	0s48	15n22	1n34	17n17	0s17	F 1
S 2	15 28	11 54	0s17	23 7	2 34	25 51	2 29	0 45	1 11	12 38	0 49	15 22	1 33	17 18	0 17	S 2
S 3	15 46	14 46	1 23	23 9	2 29	25 55	2 31	1 3	1 10	12 35	0 49	15 21	1 33	17 19	0 17	S 3
M 4	16 4 17	0 2	2 27	23 9	2 24	25 59	2 33	1 21	1 10	12 32	0 49	15 21	1 33	17 20	0 17	M 4
T 5	16 21	18 27	3 24	23 8	2 17	26 1	2 34	1 40	1 10	12 30	0 49	15 20	1 33	17 21	0 17	T 5
W 6	16 38	19 1	4 12	23 4	2 9	26 4	2 36	1 58	1 10	12 27	0 49	15 20	1 33	17 22	0 17	W 6
T 7	16 54	18 35	4 48	22 57	2 0	26 5	2 37	2 16	1 10	12 25	0 50	15 19	1 33	17 23	0 17	T 7
F 8	17 11	17 10	5 10	22 49	1 50	26 6	2 39	2 35	1 9	12 22	0 50	15 19	1 33	17 24	0 17	F 8
S 9	17 27	14 47	5 15	22 39	1 38	26 7	2 40	2 53	1 9	12 20	0 50	15 18	1 33	17 25	0 17	S 9
S 10	17 42	11 32	5 3	22 27	1 26	26 6	2 41	3 11	1 9	12 17	0 50	15 17	1 33	17 26	0 17	S 10
M 11	17 58	7 36	4 33	22 13	1 13	26 5	2 42	3 29	1 9	12 15	0 51	15 17	1 33	17 27	0 17	M 11
T 12	18 13	3 9	3 45	21 57	0 59	26 4	2 43	3 47	1 8	12 13	0 51	15 16	1 33	17 28	0 17	T 12
W 13	18 28	1s32	2 43	21 40	0 44	26 1	2 44	4 5	1 8	12 10	0 51	15 15	1 32	17 29	0 17	W 13
T 14	18 42	6 12	1 30	21 21	0 28	25 58	2 44	4 23	1 8	12 8	0 51	15 15	1 32	17 30	0 17	T 14
F 15	18 57	10 32	0 10	21 0	0 11	25 55	2 45	4 41	1 8	12 6	0 52	15 14	1 32	17 31	0 17	F 15
S 16	19 11	14 12	1n10	20 39	0s 5	25 51	2 45	4 59	1 7	12 4	0 52	15 13	1 32	17 32	0 17	S 16
S 17	19 24	16 57	2 25	20 16	0 23	25 46	2 45	5 17	1 7	12 2	0 52	15 12	1 32	17 33	0 17	S 17
M 18	19 37	18 35	3 29	19 53	0 40	25 41	2 46	5 34	1 7	12 0	0 52	15 11	1 32	17 34	0 17	M 18
T 19	19 50	19 2	4 19	19 29	0 58	25 35	2 46	5 52	1 6	11 58	0 53	15 10	1 32	17 34	0 17	T 19
W 20	20 3	18 20	4 53	19 6	1 15	25 28	2 46	6 10	1 6	11 56	0 53	15 9	1 32	17 35	0 17	W 20
T 21	20 15	16 40	5 10	18 42	1 32	25 21	2 45	6 27	1 6	11 55	0 53	15 8	1 32	17 36	0 17	T 21
F 22	20 27	14 11	5 11	18 18	1 49	25 13	2 45	6 44	1 5	11 53	0 53	15 7	1 32	17 37	0 17	F 22
S 23	20 39	11 8	4 57	17 55	2 5	25 5	2 44	7 2	1 5	11 51	0 54	15 6	1 32	17 38	0 17	S 23
S 24	20 50	7 39	4 29	17 33	2 21	24 56	2 44	7 19	1 5	11 49	0 54	15 5	1 31	17 39	0 17	S 24
M 25	21 1	3 56	3 51	17 12	2 36	24 47	2 43	7 36	1 4	11 48	0 54	15 4	1 31	17 40	0 17	M 25
T 26	21 11	0 5	3 2	16 52	2 49	24 37	2 42	7 53	1 4	11 46	0 55	15 3	1 31	17 41	0 17	T 26
W 27	21 21	3n45	2 6	16 34	3 2	24 26	2 41	8 10	1 4	11 45	0 55	15 2	1 31	17 42	0 17	W 27
T 28	21 31	7 27	1 5	16 17	3 14	24 15	2 40	8 27	1 3	11 44	0 55	15 1	1 31	17 43	0 17	T 28
F 29	21 41	10 54	0 0	16 3	3 24	24 4	2 38	8 44	1 3	11 42	0 55	14 59	1 31	17 44	0 17	F 29
S 30	21 50	13 56	1s 5	15 50	3 33	23 52	2 37	9 1	1 3	11 41	0 56	14 58	1 31	17 44	0 17	S 30
S 31	21n58	16n25	2s 9	15n39	3s41	23n39	2n35	9n17	1s 2	11s40	0s56	14n57	1n31	17n45	0s17	S 31

Julian Day Number = 2368390.5, Delta T = 21.53 sec
 Ecliptic obliquity = 23°28'00", Nutation = 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°33'42", Lahiri = 20°40'42"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1772

geocentric

JUNE 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 40 1	10II55'31	5II20	25°R45	26°S13	27°V18	2°H 0	24°J 7	21°B 4	13°M24	20°R59	28°R13	26°A46	3°V 8	4°V49	M 1
T 2	16 43 58	11°52'58	18°10	25°D41	27°12	28° 2	2° 4	24°11	21° 8	13°24	20°S58	28°A 7	26°42	3°15	4°51	T 2
W 3	16 47 55	12°50'23	1°S15	25°B42	28°10	28°47	2° 8	24°15	21°11	13°25	20°57	28° 0	26°39	3°22	4°53	W 3
T 4	16 51 51	13°47'47	14°35	25°48	29° 7	29°32	2°11	24°19	21°14	13°25	20°56	27°52	26°36	3°28	4°54	T 4
F 5	16 55 48	14°45'11	28° 8	25°58	0°L 5	0°B16	2°14	24°23	21°17	13°25	20°55	27°45	26°33	3°35	4°56	F 5
S 6	16 59 44	15°42'33	11°L52	26°13	1° 1	1° 0	2°17	24°27	21°21	13°26	20°54	27°40	26°30	3°41	4°58	S 6
S 7	17 3 41	16°39'55	25°45	26°32	1°57	1°45	2°20	24°32	21°24	13°26	20°52	27°36	26°27	3°48	4°59	S 7
M 8	17 7 37	17°37'15	9°M45	26°56	2°53	2°29	2°22	24°36	21°27	13°27	20°51	27°34	26°23	3°55	5° 1	M 8
T 9	17 11 34	18°34'34	23°52	27°23	3°48	3°13	2°25	24°40	21°30	13°27	20°50	27°D34	26°20	4° 1	5° 3	T 9
W10	17 15 30	19°31'52	8°A 4	27°56	4°43	3°58	2°27	24°45	21°34	13°28	20°49	27°35	26°17	4° 8	5° 4	W10
T 11	17 19 27	20°29'09	22°19	28°32	5°37	4°42	2°29	24°49	21°37	13°28	20°48	27°R35	26°14	4°15	5° 5	T 11
F 12	17 23 24	21°26'26	6°M36	29°13	6°31	5°26	2°31	24°54	21°40	13°29	20°47	27°35	26°11	4°21	5° 7	F 12
S 13	17 27 20	22°23'42	20°51	29°58	7°24	6°10	2°32	24°59	21°43	13°30	20°45	27°33	26° 7	4°28	5° 8	S 13
S 14	17 31 17	23°20'56	5°A 0	0°II47	8°16	6°54	2°34	25° 4	21°46	13°30	20°44	27°29	26° 4	4°35	5° 9	S 14
M15	17 35 13	24°18'11	19° 0	1°40	9° 8	7°38	2°35	25° 8	21°49	13°31	20°43	27°22	26° 1	4°41	5°11	M15
T 16	17 39 10	25°15'25	2°S45	2°36	9°59	8°21	2°36	25°13	21°52	13°32	20°42	27°13	25°58	4°48	5°12	T 16
W17	17 43 6	26°12'38	16°13	3°37	10°49	9° 5	2°37	25°18	21°55	13°32	20°40	27° 4	25°55	4°55	5°13	W17
T 18	17 47 3	27° 9'51	29°22	4°41	11°39	9°49	2°37	25°24	21°58	13°33	20°39	26°54	25°52	5° 1	5°14	T 18
F 19	17 50 59	28° 7'04	12°A10	5°49	12°28	10°32	2°38	25°29	22° 1	13°34	20°38	26°45	25°48	5° 8	5°15	F 19
S 20	17 54 56	29° 4'16	24°39	7° 1	13°16	11°16	2°38	25°34	22° 4	13°35	20°36	26°38	25°45	5°15	5°16	S 20
S 21	17 58 53	0°S 1'29	6°H51	8°16	14° 3	12° 0	2°R38	25°39	22° 7	13°36	20°35	26°33	25°42	5°21	5°17	S 21
M22	18 2 49	0°58'41	18°51	9°35	14°50	12°43	2°38	25°45	22°10	13°37	20°34	26°31	25°39	5°28	5°18	M22
T 23	18 6 46	1°55'53	0°V43	10°58	15°36	13°26	2°38	25°50	22°13	13°37	20°32	26°D30	25°36	5°35	5°19	T 23
W24	18 10 42	2°53'06	12°32	12°24	16°21	14°10	2°37	25°56	22°16	13°38	20°31	26°30	25°33	5°41	5°19	W24
T 25	18 14 39	3°50'18	24°23	13°53	17° 5	14°53	2°37	26° 1	22°19	13°39	20°30	26°R31	25°29	5°48	5°20	T 25
F 26	18 18 35	4°47'30	6°B22	15°26	17°48	15°36	2°36	26° 7	22°21	13°40	20°28	26°30	25°26	5°55	5°21	F 26
S 27	18 22 32	5°44'43	18°34	17° 2	18°30	16°19	2°35	26°13	22°24	13°41	20°27	26°28	25°23	6° 1	5°21	S 27
S 28	18 26 28	6°41'56	1°II 3	18°42	19°11	17° 2	2°34	26°18	22°27	13°43	20°25	26°24	25°20	6° 8	5°22	S 28
M29	18 30 25	7°39'08	13°50	20°24	19°51	17°45	2°32	26°24	22°30	13°44	20°24	26°16	25°17	6°15	5°22	M29
T 30	18 34 22	8°S36'21	26°II58	22°II10	20°L30	18°B28	2°H30	26°L30	22°B32	13°M45	20°S23	26°A 7	25°A13	6°V21	5°V23	T 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
M 1	22n 6	18n 9	3 s 7	15n31	3 s48	23n27	2n33	9n34	1 s 2	11s39	0s56	14n55	1n31	17n46	0s17	7n30	1n 3	22s39	0s50	10s51	10s20	3n 9	4n39	2n59	
T 2	22 14	19 0	3 57	15 25	3 54	23 13	2 31	9 50	1 1	11 38	0 56	14 54	1 31	17 47	0 17	7 30	1 3	22 39	0 50	10 49	10 19	3 11	4 40	2 59	
W 3	22 22	18 52	4 36	15 21	3 58	22 59	2 29	10 6	1 1	11 37	0 57	14 53	1 31	17 48	0 17	7 30	1 3	22 40	0 50	10 47	10 17	3 12	4 40	2 59	
T 4	22 29	17 42	5 0	15 19	4 2	22 45	2 27	10 22	1 0	11 36	0 57	14 51	1 31	17 49	0 17	7 30	1 3	22 40	0 50	10 44	10 16	3 14	4 41	2 59	
F 5	22 36	15 32	5 8	15 19	4 4	22 31	2 24	10 38	1 0	11 35	0 57	14 50	1 30	17 50	0 17	7 30	1 3	22 40	0 50	10 41	10 15	3 16	4 42	2 59	
S 6	22 42	12 28	4 59	15 22	4 5	22 16	2 22	10 54	1 0	11 34	0 58	14 48	1 30	17 51	0 17	7 30	1 3	22 40	0 51	10 39	10 14	3 18	4 43	2 59	
S 7	22 48	8 41	4 32	15 26	4 4	22 0	2 19	11 10	0 59	11 33	0 58	14 47	1 30	17 51	0 17	7 29	1 3	22 41	0 51	10 38	10 13	3 20	4 43	2 59	
M 8	22 53	4 23	3 49	15 33	4 3	21 44	2 16	11 26	0 59	11 33	0 58	14 45	1 30	17 52	0 17	7 29	1 3	22 41	0 51	10 37	10 12	3 22	4 44	2 59	
T 9	22 58	0s11	2 51	15 41	4 1	21 28	2 13	11 41	0 58	11 32	0 58	14 44	1 30	17 53	0 17	7 29	1 3	22 41	0 51	10 37	10 11	3 24	4 45	2 59	
W10	23 3	4 47	1 43	15 51	3 58	21 12	2 9	11 57	0 58	11 32	0 59	14 42	1 30	17 54	0 17	7 29	1 3	22 42	0 51	10 37	10 9	3 26	4 45	2 59	
T 11	23 7	9 8	0 28	16 3	3 54	20 55	2 6	12 12	0 57	11 31	0 59	14 41	1 30	17 55	0 17	7 29	1 3	22 42	0 51	10 38	10 8	3 28	4 46	2 59	
F 12	23 11	12 58	0n48	16 16	3 49	20 38	2 2	12 27	0 57	11 31	0 59	14 39	1 30	17 56	0 17	7 28	1 3	22 42	0 51	10 38	10 7	3 30	4 47	3 0	
S 13	23 15	16 2	2 2	16 31	3 44	20 21	1 58	12 42	0 56	11 30	0 59	14 37	1 30	17 56	0 17	7 28	1 3	22 42	0 51	10 37	10 6	3 31	4 47	3 0	
S 14	23 18	18 6	3 7	16 47	3 38	20 3	1 54	12 57	0 56	11 30	1 0	14 36	1 30	17 57	0 17	7 28	1 3	22 43	0 51	10 35	10 5	3 33	4 48	3 0	
M15	23 21	19 2	4 0	17 5	3 31	19 45	1 50	13 12	0 55	11 30	1 0	14 34	1 30	17 58	0 17	7 27	1 3	22 43	0 52	10 33	10 4	3 35	4 49	3 0	
T 16	23 23	18 49	4 38	17 23	3 23	19 27	1 45	13 27	0 55	11 30	1 0	14 32	1 30	17 59	0 17	7 27	1 3	22 43	0 52	10 30	10 2	3 37	4 49	3 0	
W17	23 25	17 32	4 59	17 43	3 15	19 9	1 40	13 41	0 54	11 30	1 1	14 30	1 30	18 0	0 17	7 27	1 3	22 44	0 52	10 26	10 1	3 39	4 50	3 0	
T 18	23 26	15 20	5 4	18 3	3 6	18 50	1 35	13 55	0 54	11 30	1 1	14 29	1 30	18 0	0 17	7 27	1 3	22 44	0 52	10 23	10 0	3 41	4 50	3 0	
F 19	23 27	12 28	4 54	18 24	2 56	18 31	1 30	14 10	0 53	11 30	1 1	14 27	1 30	18 1	0 17	7 26	1 3	22 44	0 52	10 20	9 59	3 43	4 51	3 0	
S 20	23 28	9 5	4 29	18 46	2 47	18 12	1 25	14 24	0 52	11 30	1 1	14 25	1 29	18 2	0 17	7 26	1 3	22 45	0 52	10 17	9 58	3 45	4 51	3 0	
S 21	23 28	5 24	3 53	19 8	2 36	17 53	1 19	14 38	0 52	11 30	1 2	14 23	1 29	18 3	0 17	7 25	1 3	22 45	0 52	10 15	9 57	3 47	4 52	3 0	
M22	23 28	1 33	3 7	19 31	2 25	17 34	1 13	14 51	0 51	11 31	1 2	14 21	1 29	18 3	0 17	7 25	1 3	22 45	0 52	10 14	9 56	3 48	4 52	3 0	
T 23	23 27	2n19	2 13	19 54	2 14	17 15	1 7	15 5	0 51	11 31	1 2	14 19	1 29	18 4	0 17	7 25	1 3	22 45	0 52	10 14	9 54	3 50	4 52	3 1	
W24	23 26	6 5	1 14	20 16	2 3	16 55	1 1	15 18	0 50	11 31	1 3	14 17	1 29	18 5	0 17	7 24	1 3	22 46	0 52	10 14	9 53	3 52	4 53	3 1	
T 25	23 25	9 38	0 11	20 39	1 51	16 36	0 54	15 32	0 50	11 32	1 3	14 16	1 29	18 6	0 17	7 24	1 3	22 46	0 53	10 14	9 52	3 54	4 53	3 1	
F 26	23 23	12 50	0s52	21 1	1 39	16 16	0 47	15 45	0 49	11 33	1 3	14 14	1 29	18 6	0 17	7 24	1 3	22 46	0 53	10 14	9 51	3 56	4 54	3 1	
S 27	23 20	15 32	1 55	21 23	1 27	15 56	0 40	15 58	0 48	11 33	1 4	14 12	1 29	18 7	0 17	7 23	1 3	22 47	0 53	10 13	9 50	3 58	4 54	3 1	
S 28	23 18	17 34	2 53	21 44	1 15	15 36	0 33	16 11	0 48	11 34	1 4	14 10	1 29	18 8	0 17	7 23	1 3	22 47	0 53	10 12	9 49	4 0	4 54	3 1	
M29	23 15	18 47	3 44	22 5	1 3	15 17	0 25	16 23	0 47	11 35	1 4	14 8	1 29	18 8	0 17	7 22	1 3	22 47	0 53	10 9	9 47	4 2	4 55	3 1	
T 30	23n11	19n 2	4s24	22n24	0s50	14n57	0n18	16n36	0s47	11s36	1 s 4	14n 5	1n29	18n 9	0s17	7n22	1n 3	22s48	0s53	10s 6	9s46	4n 3	4n55	3n 1	

ASTRODIENST EPHEMERIS for the year 1772
geocentric

JULY 1772

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	18 38 18	9 ⁵⁵ 33'34	10 ⁵⁵ 25	23 ¹¹ 59	21 ¹⁰ 8	19 ¹⁸ 11	2 ⁰ R29	26 ⁰ 36	22 ⁸ 35	13 ¹⁰ 46	20 ⁰ R21	25 ⁰ R56	25 ⁰ 10	6 ⁰ Y28	5 ⁰ Y23	W 1
T 2	18 42 15	10 ⁰ 30'47	24 ⁰ 10	25 ⁰ 51	21 ⁰ 45	19 ⁰ 54	2 ⁰ H27	26 ⁰ 42	22 ⁰ 37	13 ⁰ 47	20 ⁰ 20	25 ⁰ 45	25 ⁰ 7	6 ⁰ 35	5 ⁰ 24	T 2
F 3	18 46 11	11 ⁰ 28'00	8 ⁰ 18	27 ⁰ 46	22 ⁰ 20	20 ⁰ 36	2 ⁰ 24	26 ⁰ 48	22 ⁰ 40	13 ⁰ 48	20 ⁰ 18	25 ⁰ 34	25 ⁰ 4	6 ⁰ 41	5 ⁰ 24	F 3
S 4	18 50 8	12 ⁰ 25'13	22 ⁰ 16	29 ⁰ 43	22 ⁰ 54	21 ⁰ 19	2 ⁰ 22	26 ⁰ 54	22 ⁰ 43	13 ⁰ 50	20 ⁰ 17	25 ⁰ 25	25 ⁰ 1	6 ⁰ 48	5 ⁰ 24	S 4
S 5	18 54 4	13 ⁰ 22'26	6 ⁰ 18	1 ⁰ 42	23 ⁰ 27	22 ⁰ 1	2 ⁰ 19	27 ⁰ 0	22 ⁰ 45	13 ⁰ 51	20 ⁰ 16	25 ⁰ 19	24 ⁰ 58	6 ⁰ 54	5 ⁰ 24	S 5
M 6	18 58 1	14 ⁰ 19'38	20 ⁰ 41	3 ⁰ 44	23 ⁰ 58	22 ⁰ 44	2 ⁰ 17	27 ⁰ 7	22 ⁰ 48	13 ⁰ 52	20 ⁰ 14	25 ⁰ 15	24 ⁰ 54	7 ⁰ 1	5 ⁰ 25	M 6
T 7	19 1 57	15 ⁰ 16'51	4 ⁰ 53	5 ⁰ 47	24 ⁰ 29	23 ⁰ 26	2 ⁰ 14	27 ⁰ 13	22 ⁰ 50	13 ⁰ 54	20 ⁰ 13	25 ⁰ 13	24 ⁰ 51	7 ⁰ 8	5 ⁰ 25	T 7
W 8	19 5 54	16 ⁰ 14'03	19 ⁰ 1	7 ⁰ 53	24 ⁰ 57	24 ⁰ 8	2 ⁰ 10	27 ⁰ 19	22 ⁰ 52	13 ⁰ 55	20 ⁰ 11	25 ⁰ 13	24 ⁰ 48	7 ⁰ 14	5 ⁰ R25	W 8
T 9	19 9 51	17 ⁰ 11'15	3 ⁰ 11	9 ⁰ 59	25 ⁰ 24	24 ⁰ 50	2 ⁰ 7	27 ⁰ 26	22 ⁰ 55	13 ⁰ 56	20 ⁰ 10	25 ⁰ 13	24 ⁰ 45	7 ⁰ 21	5 ⁰ 25	T 9
F 10	19 13 47	18 ⁰ 8'27	17 ⁰ 3	12 ⁰ 7	25 ⁰ 50	25 ⁰ 33	2 ⁰ 4	27 ⁰ 32	22 ⁰ 57	13 ⁰ 58	20 ⁰ 8	25 ⁰ 12	24 ⁰ 42	7 ⁰ 28	5 ⁰ 25	F 10
S 11	19 17 44	19 ⁰ 5'40	0 ⁰ 15	14 ⁰ 15	26 ⁰ 13	26 ⁰ 15	2 ⁰ 0	27 ⁰ 38	22 ⁰ 59	13 ⁰ 59	20 ⁰ 7	25 ⁰ 8	24 ⁰ 39	7 ⁰ 34	5 ⁰ 24	S 11
S 12	19 21 40	20 ⁰ 2'52	14 ⁰ 40	16 ⁰ 24	26 ⁰ 35	26 ⁰ 56	1 ⁰ 56	27 ⁰ 45	23 ⁰ 2	14 ⁰ 1	20 ⁰ 5	25 ⁰ 2	24 ⁰ 35	7 ⁰ 41	5 ⁰ 24	S 12
M13	19 25 37	21 ⁰ 0'05	28 ⁰ 15	18 ⁰ 32	26 ⁰ 56	27 ⁰ 38	1 ⁰ 52	27 ⁰ 52	23 ⁰ 4	14 ⁰ 2	20 ⁰ 4	24 ⁰ 53	24 ⁰ 32	7 ⁰ 48	5 ⁰ 24	M13
T 14	19 29 33	21 ⁰ 57'18	11 ⁰ 38	20 ⁰ 41	27 ⁰ 14	28 ⁰ 20	1 ⁰ 48	27 ⁰ 58	23 ⁰ 6	14 ⁰ 3	20 ⁰ 2	24 ⁰ 42	24 ⁰ 29	7 ⁰ 54	5 ⁰ 24	T 14
W15	19 33 30	22 ⁰ 54'32	24 ⁰ 48	22 ⁰ 49	27 ⁰ 31	29 ⁰ 2	1 ⁰ 43	28 ⁰ 5	23 ⁰ 8	14 ⁰ 5	20 ⁰ 1	24 ⁰ 30	24 ⁰ 26	8 ⁰ 1	5 ⁰ 23	W15
T 16	19 37 26	23 ⁰ 51'45	7 ⁰ 42	24 ⁰ 57	27 ⁰ 45	29 ⁰ 43	1 ⁰ 39	28 ⁰ 12	23 ⁰ 10	14 ⁰ 7	20 ⁰ 0	24 ⁰ 17	24 ⁰ 23	8 ⁰ 8	5 ⁰ 23	T 16
F 17	19 41 23	24 ⁰ 49'00	20 ⁰ 20	27 ⁰ 4	27 ⁰ 58	0 ⁰ 12	1 ⁰ 34	28 ⁰ 18	23 ⁰ 12	14 ⁰ 8	19 ⁰ 58	24 ⁰ 6	24 ⁰ 19	8 ⁰ 14	5 ⁰ 22	F 17
S 18	19 45 20	25 ⁰ 46'15	2 ⁰ 42	29 ⁰ 9	28 ⁰ 8	1 ⁰ 6	1 ⁰ 29	28 ⁰ 25	23 ⁰ 14	14 ⁰ 10	19 ⁰ 57	23 ⁰ 56	24 ⁰ 16	8 ⁰ 21	5 ⁰ 22	S 18
S 19	19 49 16	26 ⁰ 43'30	14 ⁰ 50	1 ⁰ 14	28 ⁰ 17	1 ⁰ 48	1 ⁰ 24	28 ⁰ 32	23 ⁰ 16	14 ⁰ 11	19 ⁰ 55	23 ⁰ 49	24 ⁰ 13	8 ⁰ 28	5 ⁰ 21	S 19
M20	19 53 13	27 ⁰ 40'47	26 ⁰ 48	3 ⁰ 17	28 ⁰ 23	2 ⁰ 29	1 ⁰ 19	28 ⁰ 39	23 ⁰ 18	14 ⁰ 13	19 ⁰ 54	23 ⁰ 44	24 ⁰ 10	8 ⁰ 34	5 ⁰ 21	M20
T 21	19 57 9	28 ⁰ 38'04	8 ⁰ Y38	5 ⁰ 19	28 ⁰ 27	3 ⁰ 10	1 ⁰ 14	28 ⁰ 46	23 ⁰ 20	14 ⁰ 15	19 ⁰ 52	23 ⁰ 42	24 ⁰ 7	8 ⁰ 41	5 ⁰ 20	T 21
W22	20 1 6	29 ⁰ 35'22	20 ⁰ 26	7 ⁰ 20	28 ⁰ R29	3 ⁰ 51	1 ⁰ 8	28 ⁰ 53	23 ⁰ 22	14 ⁰ 16	19 ⁰ 51	23 ⁰ 42	24 ⁰ 4	8 ⁰ 48	5 ⁰ 19	W22
T 23	20 5 2	0 ⁰ 13'24	2 ⁰ 18	9 ⁰ 18	28 ⁰ 28	4 ⁰ 33	1 ⁰ 2	29 ⁰ 0	23 ⁰ 24	14 ⁰ 18	19 ⁰ 50	23 ⁰ 42	24 ⁰ 0	8 ⁰ 54	5 ⁰ 19	T 23
F 24	20 8 59	1 ⁰ 30'02	14 ⁰ 17	11 ⁰ 16	28 ⁰ 25	5 ⁰ 13	0 ⁰ 57	29 ⁰ 7	23 ⁰ 26	14 ⁰ 20	19 ⁰ 48	23 ⁰ 41	23 ⁰ 57	9 ⁰ 1	5 ⁰ 18	F 24
S 25	20 12 55	2 ⁰ 27'23	26 ⁰ 31	13 ⁰ 12	28 ⁰ 20	5 ⁰ 54	0 ⁰ 51	29 ⁰ 14	23 ⁰ 27	14 ⁰ 21	19 ⁰ 47	23 ⁰ 39	23 ⁰ 54	9 ⁰ 7	5 ⁰ 17	S 25
S 26	20 16 52	3 ⁰ 24'45	9 ⁰ 11	15 ⁰ 6	28 ⁰ 13	6 ⁰ 35	0 ⁰ 45	29 ⁰ 21	23 ⁰ 29	14 ⁰ 23	19 ⁰ 45	23 ⁰ 35	23 ⁰ 51	9 ⁰ 14	5 ⁰ 16	S 26
M27	20 20 49	4 ⁰ 22'08	21 ⁰ 58	16 ⁰ 58	28 ⁰ 3	7 ⁰ 16	0 ⁰ 39	29 ⁰ 28	23 ⁰ 31	14 ⁰ 25	19 ⁰ 44	23 ⁰ 28	23 ⁰ 48	9 ⁰ 21	5 ⁰ 15	M27
T 28	20 24 45	5 ⁰ 19'33	5 ⁰ 16	18 ⁰ 49	27 ⁰ 51	7 ⁰ 56	0 ⁰ 32	29 ⁰ 35	23 ⁰ 32	14 ⁰ 27	19 ⁰ 42	23 ⁰ 19	23 ⁰ 44	9 ⁰ 27	5 ⁰ 14	T 28
W29	20 28 42	6 ⁰ 16'58	19 ⁰ 0	20 ⁰ 38	27 ⁰ 36	8 ⁰ 37	0 ⁰ 26	29 ⁰ 42	23 ⁰ 34	14 ⁰ 29	19 ⁰ 41	23 ⁰ 9	23 ⁰ 41	9 ⁰ 34	5 ⁰ 13	W29
T 30	20 32 38	7 ⁰ 14'25	3 ⁰ 15	22 ⁰ 26	27 ⁰ 19	9 ⁰ 17	0 ⁰ 19	29 ⁰ 49	23 ⁰ 35	14 ⁰ 30	19 ⁰ 40	22 ⁰ 57	23 ⁰ 38	9 ⁰ 41	5 ⁰ 12	T 30
F 31	20 36 35	8 ⁰ 11'52	17 ⁰ 12	24 ⁰ 12	27 ⁰ 10	9 ⁰ 11	0 ⁰ 13	29 ⁰ 57	23 ⁰ 37	14 ⁰ 32	19 ⁰ 38	22 ⁰ 47	23 ⁰ 35	9 ⁰ Y47	5 ⁰ Y11	F 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
W 1	23n 7	18n13	4s51	22n42	0s38	14n37	0n 9	16n48	0s46	11s37	1 s 5	14n 3	1n29	18n10	0s17	7n21	1n 3	22s48	0s53	10s 2	9s45	4n 5	4n55	3n 1
T 2	23 3	16 21	5 2	22 58	0 26	14 18	0 1	17 0	0 45	11 38	1 5	14 1	1 29	18 10	0 17	7 21	1 3	22 48	0 53	9 58	9 44	4 7	4 55	3 1
F 3	22 58	13 30	4 55	23 13	0 14	13 58	0s 7	17 12	0 45	11 39	1 5	13 59	1 29	18 11	0 17	7 20	1 3	22 49	0 53	9 54	9 43	4 9	4 55	3 2
S 4	22 53	9 51	4 30	23 26	0 2	13 39	0 16	17 24	0 44	11 40	1 5	13 57	1 29	18 12	0 17	7 20	1 3	22 49	0 53	9 50	9 42	4 11	4 56	3 2
S 5	22 48	5 37	3 48	23 36	0n 9	13 19	0 25	17 36	0 43	11 41	1 6	13 55	1 29	18 12	0 17	7 19	1 3	22 49	0 54	9 48	9 40	4 13	4 56	3 2
M 6	22 42	1 3	2 52	23 45	0 20	13 0	0 35	17 47	0 43	11 42	1 6	13 53	1 29	18 13	0 17	7 19	1 3	22 49	0 54	9 47	9 39	4 15	4 56	3 2
T 7	22 35	3s33	1 46	23 51	0 31	12 41	0 44	17 59	0 42	11 44	1 6	13 51	1 29	18 14	0 17	7 18	1 3	22 50	0 54	9 46	9 38	4 16	4 56	3 2
W 8	22 29	7 58	0 33	23 54	0 41	12 22	0 54	18 10	0 41	11 45	1 7	13 48	1 29	18 14	0 17	7 18	1 2	22 50	0 54	9 46	9 37	4 18	4 56	3 2
T 9	22 22	11 54	0n42	23 55	0 50	12 3	1 4	18 21	0 41	11 46	1 7	13 46	1 29	18 15	0 17	7 17	1 2	22 50	0 54	9 46	9 36	4 20	4 56	3 2
F 10	22 14	15 9	1 53	23 53	0 59	11 45	1 15	18 31	0 40	11 48	1 7	13 44	1 29	18 15	0 17	7 17	1 2	22 51	0 54	9 46	9 35	4 22	4 56	3 2
S 11	22 6	17 29	2 57	23 49	1 7	11 27	1 25	18 42	0 39	11 49	1 7	13 42	1 29	18 16	0 17	7 16	1 2	22 51	0 54	9 44	9 33	4 24	4 56	3 2
S 12	21 58	18 47	3 50	23 42	1 15	11 9	1 36	18 52	0 38	11 51	1 8	13 39	1 29	18 16	0 17	7 15	1 2	22 51	0 54	9 42	9 32	4 26	4 56	3 2
M13	21 49	18 58	4 29	23 31	1 21	10 52	1 48	19 3	0 38	11 53	1 8	13 37	1 29	18 17	0 17	7 15	1 2	22 52	0 54	9 39	9 31	4 28	4 56	3 3
T 14	21 40	18 6	4 53	23 19	1 27	10 35	1 59	19 13	0 37	11 55	1 8	13 35	1 29	18 18	0 17	7 14	1 2	22 52	0 54	9 35	9 30	4 29	4 56	3 3
W15	21 31	16 16	5 0	23 3	1 32	10 18	2 11	19 22	0 36	11 56	1 8	13 32	1 29	18 18	0 17	7 14	1 2	22 52	0 55	9 30	9 29	4 31	4 56	3 3
T 16	21 21	13 39	4 52	22 45	1 37	10 2	2 23	19 32	0 36	11 58	1 9	13 30	1 29	18 19	0 17	7 13	1 2	22 53	0 55	9 26	9 28	4 33	4 56	3 3
F 17	21 11	10 27	4 30	22 25	1 41	9 46	2 35	19 42	0 35	12 0	1 9	13 28	1 29	18 19	0 17	7 12	1 2	22 53	0 55	9 21	9 26	4 35	4 56	3 3
S 18	21 1	6 52	3 55	22 2	1 43	9 31	2 48	19 51	0 34	12 2	1 9	13 25	1 29	18 20	0 17	7 12	1 2	22 53	0 55	9 18	9 25	4 37	4 56	3 3
S 19	20 50	3 3	3 10	21 37	1 46	9 16	3 0	20 0	0 33	12 4	1 9	13 23	1 29	18 20	0 17	7 11	1 2	22 53	0 55	9 15	9 24	4 39	4 56	3 3
M20	20 39	0n50	2 17	21 11	1 47	9 2	3 13	20 9	0 33	12 6	1 10	13 20	1 29	18 21	0 17	7 11	1 2	22 54	0 55	9 14	9 23	4 41	4 56	3 3
T 21	20 27	4 38	1 19	20 42	1 48	8 48	3 26	20 18	0 32	12 8	1 10	13 18	1 28	18 21	0 17	7 10	1 2	22 54	0 55	9 13	9 22	4 42	4 56	3 3
W22	20 16	8 16	0 17	20 12	1 48	8 35	3 39	20 26	0 31	12 11	1 10	13 16	1 28	18 22	0 17	7 9	1 2	22 54	0 55	9 12	9 21	4 44	4 55	3 3
T 23	20 3	11 34	0s46	19 40	1 47	8 23	3 53	20 35	0 30	12 13	1 10	13 13	1 28	18 22	0 17	7 9	1 2	22 55	0 55	9 12	9 19	4 46	4 55	3 3
F 24	19 51	14 26	1 47	19 7	1 46	8 11	4 6	20 43	0 29	12 15	1 11	13 11	1 28	18 22	0 17	7 8	1 2	22 55	0 55	9 12	9 18	4 48	4 55	3 4
S 25	19 38	16 44	2 45	18 32	1 44	8 0	4 20	20 51	0 28	12 17	1 11	13 8	1 28	18 23	0 17	7 7	1 2	22 55	0 55	9 12	9 17	4 50	4 55	3 4
S 26	19 25	18 16	3 36	17 57	1 42	7 50	4 33	20 59	0 29	12 20	1 11	13 6	1 28	18 23	0 17	7 6	1 2	22 56	0 56	9 10	9 16	4 52	4 54	3 4
M27	19 11	18 56	4 18	17 20	1 39	7 41	4 47	21 6	0 27	12 22	1 11	13 3	1 28	18 24	0 17	7 6	1 2	22 56	0 56	9 8	9 15	4 53	4 54	3 4
T 28	18 58	18 35	4 47	16 43	1 35	7 32	5 0	21 14	0 26	12 25	1 12	13 1	1 28	18 24	0 17	7 5	1 2	22 56	0 56	9 4	9 14	4 55	4 54	3 4
W29	18 43	17 9	5 1	16 4	1 31	7 24	5 14	21 21	0 25	12 27	1 12	12 58	1 29	18 24	0 17	7 4	1 2	22 56	0 56	9 0	9 12	4 57	4 53	3 4
T 30	18 29	14 40	4 57	15 25	1 27	7 17	5 27	21 28	0 25	12 30	1 12	12 56	1 29	18 25	0 17	7 4	1 2	22 57	0 56	8 56	9 11	4 59	4 53	3 4
F 31	18n14	11n16	4s35	14n46	1n22	7n11	5s40	21n35	0s24	12s32	1s12	12n53	1n29	18n25	0s17	7n 3	1n 2	22s57	0s56	8s52	9s10	5n 1	4n53	3n 4

ASTRODIENST EPHEMERIS for the year 1772

geocentric

AUGUST 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 40 31	9♌ 9'20	2♍ 0	25♌56	26°R38	10♏38	0°R 6	0♍ 4	23♌38	14♍34	19°R37	22°R38	23♌32	9♍54	5°R 9	S 1
S 2	20 44 28	10° 6'49	16°37	27°39	26♌15	11°18	29♌59	0°11	23°40	14°36	19°36	22♌31	23°29	10° 1	5♍ 8	S 2
M 3	20 48 24	11° 4'19	1♌11	29°20	25°49	11°58	29°52	0°19	23°41	14°38	19°34	22°27	23°25	10° 7	5° 7	M 3
T 4	20 52 21	12° 1'49	15°37	0♍59	25°21	12°38	29°45	0°26	23°42	14°40	19°33	22°26	23°22	10°14	5° 6	T 4
W 5	20 56 18	12°59'21	29°53	2°37	24°52	13°18	29°38	0°33	23°43	14°42	19°32	22°D26	23°19	10°21	5° 4	W 5
T 6	21 0 14	13°56'53	13♌56	4°14	24°21	13°57	29°30	0°41	23°45	14°44	19°30	22°R26	23°16	10°27	5° 3	T 6
F 7	21 4 11	14°54'26	27°47	5°48	23°48	14°37	29°23	0°48	23°46	14°46	19°29	22°25	23°13	10°34	5° 1	F 7
S 8	21 8 7	15°52'00	11♌24	7°22	23°14	15°17	29°16	0°55	23°47	14°48	19°28	22°23	23°10	10°41	5° 0	S 8
S 9	21 12 4	16°49'35	24°50	8°53	22°39	15°56	29° 8	1° 3	23°48	14°50	19°27	22°18	23° 6	10°47	4°58	S 9
M10	21 16 0	17°47'11	8♌ 3	10°23	22° 3	16°35	29° 0	1°10	23°49	14°52	19°25	22°10	23° 3	10°54	4°56	M10
T 11	21 19 57	18°44'47	21° 4	11°52	21°26	17°15	28°53	1°18	23°50	14°54	19°24	22° 1	23° 0	11° 1	4°55	T 11
W12	21 23 53	19°42'25	3♌53	13°18	20°49	17°54	28°45	1°25	23°51	14°56	19°23	21°50	22°57	11° 7	4°53	W12
T 13	21 27 50	20°40'05	16°29	14°43	20°12	18°33	28°37	1°33	23°51	14°58	19°22	21°39	22°54	11°14	4°51	T 13
F 14	21 31 47	21°37'45	28°53	16° 7	19°35	19°12	28°30	1°40	23°52	15° 0	19°21	21°29	22°50	11°20	4°49	F 14
S 15	21 35 43	22°35'27	11♌ 4	17°29	18°57	19°50	28°22	1°48	23°53	15° 2	19°19	21°21	22°47	11°27	4°48	S 15
S 16	21 39 40	23°33'10	23° 6	18°49	18°21	20°29	28°14	1°55	23°54	15° 4	19°18	21°15	22°44	11°34	4°46	S 16
M17	21 43 36	24°30'55	4♍59	20° 7	17°45	21° 8	28° 6	2° 3	23°54	15° 6	19°17	21°11	22°41	11°40	4°44	M17
T 18	21 47 33	25°28'41	16°47	21°24	17°10	21°46	27°58	2°11	23°55	15° 8	19°16	21°D10	22°38	11°47	4°42	T 18
W19	21 51 29	26°26'29	28°34	22°38	16°37	22°24	27°50	2°18	23°55	15°11	19°15	21°10	22°35	11°54	4°40	W19
T 20	21 55 26	27°24'19	10♌24	23°51	16° 5	23° 3	27°43	2°26	23°56	15°13	19°14	21°11	22°31	12° 0	4°38	T 20
F 21	21 59 22	28°22'10	22°23	25° 2	15°34	23°41	27°35	2°33	23°56	15°15	19°13	21°12	22°28	12° 7	4°36	F 21
S 22	22 3 19	29°20'03	4♏36	26°10	15° 5	24°19	27°27	2°41	23°57	15°17	19°12	21°R12	22°25	12°14	4°34	S 22
S 23	22 7 16	0♍17'58	17° 7	27°17	14°38	24°57	27°19	2°48	23°57	15°19	19°11	21°10	22°22	12°20	4°31	S 23
M24	22 11 12	1°15'55	0♌ 1	28°21	14°13	25°35	27°11	2°56	23°57	15°21	19°10	21° 7	22°19	12°27	4°29	M24
T 25	22 15 9	2°13'54	13°22	29°23	13°50	26°12	27° 3	3° 4	23°58	15°23	19° 9	21° 2	22°16	12°34	4°27	T 25
W26	22 19 5	3°11'54	27°10	0♌22	13°29	26°50	26°55	3°11	23°58	15°26	19° 8	20°55	22°12	12°40	4°25	W26
T 27	22 23 2	4° 9'57	11♌25	1°19	13°11	27°27	26°48	3°19	23°58	15°28	19° 7	20°47	22° 9	12°47	4°22	T 27
F 28	22 26 58	5° 8'01	26° 1	2°12	12°55	28° 4	26°40	3°26	23°58	15°30	19° 6	20°40	22° 6	12°54	4°20	F 28
S 29	22 30 55	6° 6'06	10♍53	3° 3	12°41	28°42	26°32	3°34	23°R58	15°32	19° 5	20°34	22° 3	13° 0	4°18	S 29
S 30	22 34 51	7° 4'14	25°51	3°51	12°30	29°19	26°24	3°42	23°58	15°34	19° 4	20°30	22° 0	13° 7	4°15	S 30
M31	22 38 48	8♍ 2'23	10♌48	4♌35	12♌21	29♏56	26♌17	3♍49	23♌58	15♍37	19°3 3	20♌28	21♌56	13♍13	4♍13	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	17n59	7n 8	3s54	14n 5	1n17	7n 6	5s53	21n41	0s23	12s35	1s12	12n51	1n29	18n26	0s17	S 1
S 2	17 44	2 33	2 58	13 25	1 11	7 2	6 6	21 48	0 22	12 37	1 13	12 48	1 29	18 26	0 17	S 2
M 3	17 28	2s10	1 50	12 44	1 5	6 59	6 19	21 54	0 21	12 40	1 13	12 45	1 29	18 26	0 17	M 3
T 4	17 12	6 43	0 36	12 3	0 59	6 57	6 31	22 0	0 20	12 43	1 13	12 43	1 29	18 26	0 17	T 4
W 5	16 56	10 50	0n40	11 21	0 52	6 55	6 42	22 6	0 19	12 45	1 13	12 40	1 29	18 27	0 17	W 5
T 6	16 40	14 16	1 52	10 40	0 45	6 55	6 53	22 12	0 19	12 48	1 13	12 38	1 29	18 27	0 17	T 6
F 7	16 23	16 49	2 57	9 58	0 37	6 56	7 4	22 17	0 18	12 51	1 14	12 35	1 29	18 27	0 17	F 7
S 8	16 6	18 23	3 50	9 17	0 30	6 57	7 14	22 23	0 17	12 54	1 14	12 32	1 29	18 28	0 17	S 8
S 9	15 49	18 52	4 30	8 35	0 22	7 0	7 23	22 28	0 16	12 56	1 14	12 30	1 29	18 28	0 17	S 9
M10	15 31	18 19	4 55	7 54	0 14	7 3	7 31	22 33	0 15	12 59	1 14	12 27	1 29	18 28	0 17	M10
T 11	15 13	16 49	5 4	7 12	0 6	7 7	7 39	22 37	0 14	13 2	1 14	12 24	1 29	18 28	0 17	T 11
W12	14 55	14 29	4 57	6 31	0s 3	7 12	7 46	22 42	0 13	13 5	1 14	12 22	1 29	18 29	0 17	W12
T 13	14 37	11 31	4 36	5 51	0 12	7 17	7 52	22 46	0 12	13 8	1 14	12 19	1 29	18 29	0 17	T 13
F 14	14 19	8 5	4 2	5 10	0 20	7 24	7 57	22 50	0 11	13 11	1 15	12 17	1 29	18 29	0 17	F 14
S 15	14 0	4 22	3 18	4 30	0 29	7 31	8 2	22 54	0 10	13 13	1 15	12 14	1 29	18 29	0 17	S 15
S 16	13 41	0 32	2 25	3 50	0 39	7 38	8 5	22 58	0 9	13 16	1 15	12 11	1 29	18 29	0 17	S 16
M17	13 22	3n18	1 26	3 11	0 48	7 46	8 8	23 2	0 8	13 19	1 15	12 9	1 29	18 29	0 17	M17
T 18	13 3	6 58	0 24	2 32	0 57	7 55	8 10	23 5	0 7	13 22	1 15	12 6	1 29	18 30	0 17	T 18
W19	12 43	10 21	0s40	1 54	1 7	8 4	8 11	23 8	0 6	13 25	1 15	12 3	1 29	18 30	0 17	W19
T 20	12 23	13 21	1 42	1 17	1 16	8 13	8 11	23 12	0 5	13 28	1 15	12 0	1 29	18 30	0 17	T 20
F 21	12 3	15 48	2 40	0 40	1 26	8 22	8 10	23 14	0 5	13 30	1 15	11 58	1 29	18 30	0 17	F 21
S 22	11 43	17 36	3 32	0 4	1 35	8 32	8 8	23 17	0 4	13 33	1 15	11 55	1 29	18 30	0 17	S 22
S 23	11 23	18 36	4 16	0s31	1 45	8 42	8 6	23 20	0 3	13 36	1 16	11 52	1 29	18 30	0 17	S 23
M24	11 2	18 40	4 48	1 6	1 55	8 52	8 3	23 22	0 2	13 39	1 16	11 50	1 29	18 30	0 17	M24
T 25	10 42	17 43	5 6	1 39	2 4	9 2	7 59	23 24	0 1	13 42	1 16	11 47	1 29	18 30	0 17	T 25
W26	10 21	15 44	5 7	2 11	2 14	9 12	7 55	23 26	0n 1	13 44	1 16	11 44	1 30	18 30	0 17	W26
T 27	10 0	12 45	4 49	2 43	2 23	9 22	7 50	23 28	0 2	13 47	1 16	11 42	1 30	18 30	0 17	T 27
F 28	9 38	8 54	4 12	3 13	2 33	9 31	7 44	23 30	0 3	13 50	1 16	11 39	1 30	18 30	0 17	F 28
S 29	9 17	4 26	3 18	3 41	2 42	9 41	7 38	23 31	0 4	13 52	1 16	11 36	1 30	18 30	0 17	S 29
S 30	8 56	0s20	2 10	4 8	2 51	9 50	7 32	23 33	0 5	13 55	1 16	11 34	1 30	18 30	0 17	S 30
M31	8n34	5s 5	0s52	4s34	3s 0	9n59	7s25	23n34	0n 6	13s58	1s16	11n31	1n30	18n30	0s17	M31

Julian Day Number = 2368482.5, Delta T = 21.57 sec
 Ecliptic obliquity = 23°27'59, Nutation = 0°00'08, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°33'55, Lahiri = 20°40'55Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1772

geocentric

SEPTEMBER 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 42 45	9 ^h 0'33	25 ^h 35	5 ^h 15	12 ^h R14	0 ^h 32	26 ^h R 9	3 ^h 57	23 ^h R58	15 ^h 39	19 ^h R 3	20 ^h D28	21 ^h 53	13 ^h Y20	4 ^h R11	T 1	
W 2	22 46 41	9 ^h 58'45	10 ^h 11 7	5 ^h 52	12 ^h Ω10	1 ^h 9	26 ^h 32 2	4 ^h 4	23 ^h 58	15 ^h 41	19 ^h 32 2	20 ^h 529	21 ^h 50	13 ^h 27	4 ^h Y 8	W 2	
T 3	22 50 38	10 ^h 56'58	24 ^h 20	6 ^h 24	12 ^h D 8	1 ^h 46	25 ^h 54	4 ^h 12	23 ^h 58	15 ^h 43	19 ^h 1	20 ^h 30	21 ^h 47	13 ^h 33	4 ^h 6	T 3	
F 4	22 54 34	11 ^h 55'13	8 ^h 14	6 ^h 52	12 ^h 9	2 ^h 22	25 ^h 47	4 ^h 20	23 ^h 57	15 ^h 46	19 ^h 0	20 ^h R31	21 ^h 44	13 ^h 40	4 ^h 3	F 4	
S 5	22 58 31	12 ^h 53'30	21 ^h 47	7 ^h 16	12 ^h 12	2 ^h 58	25 ^h 40	4 ^h 27	23 ^h 57	15 ^h 48	18 ^h 59	20 ^h 31	21 ^h 41	13 ^h 47	4 ^h 1	S 5	
S 6	23 2 27	13 ^h 51'48	5 ^h 3 3	7 ^h 34	12 ^h 17	3 ^h 34	25 ^h 33	4 ^h 35	23 ^h 57	15 ^h 50	18 ^h 59	20 ^h 29	21 ^h 37	13 ^h 53	3 ^h 58	S 6	
M 7	23 6 24	14 ^h 50'08	18 ^h 2	7 ^h 47	12 ^h 24	4 ^h 10	25 ^h 26	4 ^h 42	23 ^h 56	15 ^h 52	18 ^h 58	20 ^h 25	21 ^h 34	14 ^h 0	3 ^h 55	M 7	
T 8	23 10 20	15 ^h 48'29	0 ^h 346	7 ^h 54	12 ^h 34	4 ^h 46	25 ^h 19	4 ^h 50	23 ^h 56	15 ^h 54	18 ^h 57	20 ^h 21	21 ^h 31	14 ^h 7	3 ^h 53	T 8	
W 9	23 14 17	16 ^h 46'51	13 ^h 17	7 ^h R55	12 ^h 45	5 ^h 22	25 ^h 12	4 ^h 57	23 ^h 55	15 ^h 57	18 ^h 57	20 ^h 15	21 ^h 28	14 ^h 13	3 ^h 50	W 9	
T 10	23 18 13	17 ^h 45'16	25 ^h 36	7 ^h 49	12 ^h 59	5 ^h 57	25 ^h 5	5 ^h 5	23 ^h 55	15 ^h 59	18 ^h 56	20 ^h 9	21 ^h 25	14 ^h 20	3 ^h 48	T 10	
F 11	23 22 10	18 ^h 43'42	7 ^h 46	7 ^h 37	13 ^h 15	6 ^h 33	24 ^h 59	5 ^h 12	23 ^h 54	16 ^h 1	18 ^h 56	20 ^h 4	21 ^h 21	14 ^h 27	3 ^h 45	F 11	
S 12	23 26 7	19 ^h 42'10	19 ^h 47	7 ^h 19	13 ^h 32	7 ^h 8	24 ^h 52	5 ^h 20	23 ^h 53	16 ^h 3	18 ^h 55	20 ^h 0	21 ^h 18	14 ^h 33	3 ^h 42	S 12	
S 13	23 30 3	20 ^h 40'40	1 ^h Y41	6 ^h 53	13 ^h 52	7 ^h 43	24 ^h 46	5 ^h 27	23 ^h 53	16 ^h 6	18 ^h 55	19 ^h 57	21 ^h 15	14 ^h 40	3 ^h 40	S 13	
M14	23 34 0	21 ^h 39'12	13 ^h 30	6 ^h 20	14 ^h 14	8 ^h 18	24 ^h 40	5 ^h 35	23 ^h 52	16 ^h 8	18 ^h 54	19 ^h 55	21 ^h 12	14 ^h 46	3 ^h 37	M14	
T 15	23 37 56	22 ^h 37'46	25 ^h 17	5 ^h 41	14 ^h 37	8 ^h 52	24 ^h 33	5 ^h 42	23 ^h 51	16 ^h 10	18 ^h 54	19 ^h D55	21 ^h 9	14 ^h 53	3 ^h 34	T 15	
W16	23 41 53	23 ^h 36'21	7 ^h 3 4	4 ^h 55	15 ^h 2	9 ^h 27	24 ^h 27	5 ^h 49	23 ^h 50	16 ^h 12	18 ^h 53	19 ^h 56	21 ^h 6	15 ^h 0	3 ^h 31	W16	
T 17	23 45 49	24 ^h 35'00	18 ^h 56	4 ^h 4	15 ^h 28	10 ^h 2	24 ^h 22	5 ^h 57	23 ^h 49	16 ^h 14	18 ^h 53	19 ^h 58	21 ^h 2	15 ^h 6	3 ^h 29	T 17	
F 18	23 49 46	25 ^h 33'40	0 ^h II55	3 ^h 7	15 ^h 57	10 ^h 36	24 ^h 16	6 ^h 4	23 ^h 48	16 ^h 17	18 ^h 52	19 ^h 59	20 ^h 59	15 ^h 13	3 ^h 26	F 18	
S 19	23 53 42	26 ^h 32'23	13 ^h 7	2 ^h 6	16 ^h 27	11 ^h 10	24 ^h 10	6 ^h 11	23 ^h 47	16 ^h 19	18 ^h 52	20 ^h 1	20 ^h 56	15 ^h 20	3 ^h 23	S 19	
S 20	23 57 39	27 ^h 31'07	25 ^h 36	1 ^h 2	16 ^h 58	11 ^h 44	24 ^h 5	6 ^h 19	23 ^h 46	16 ^h 21	18 ^h 52	20 ^h R 1	20 ^h 53	15 ^h 26	3 ^h 21	S 20	
M21	0 1 36	28 ^h 29'55	8 ^h 326	29 ^h 56	17 ^h 31	12 ^h 18	24 ^h 0	6 ^h 26	23 ^h 45	16 ^h 23	18 ^h 51	20 ^h 1	20 ^h 50	15 ^h 33	3 ^h 18	M21	
T 22	0 5 32	29 ^h 28'44	21 ^h 42	28 ^h 50	18 ^h 5	12 ^h 51	23 ^h 55	6 ^h 33	23 ^h 44	16 ^h 25	18 ^h 51	20 ^h 0	20 ^h 47	15 ^h 40	3 ^h 15	T 22	
W23	0 9 29	0 ^h 27'36	5 ^h Ω24	27 ^h 45	18 ^h 41	13 ^h 25	23 ^h 50	6 ^h 40	23 ^h 43	16 ^h 28	18 ^h 51	19 ^h 58	20 ^h 43	15 ^h 46	3 ^h 12	W23	
T 24	0 13 25	1 ^h 26'30	19 ^h 35	26 ^h 44	19 ^h 17	13 ^h 58	23 ^h 45	6 ^h 47	23 ^h 42	16 ^h 30	18 ^h 51	19 ^h 55	20 ^h 40	15 ^h 53	3 ^h 9	T 24	
F 25	0 17 22	2 ^h 25'26	4 ^h 11	25 ^h 48	19 ^h 55	14 ^h 31	23 ^h 40	6 ^h 55	23 ^h 41	16 ^h 32	18 ^h 51	19 ^h 53	20 ^h 37	16 ^h 0	3 ^h 7	F 25	
S 26	0 21 18	3 ^h 24'24	19 ^h 7	24 ^h 58	20 ^h 35	15 ^h 4	23 ^h 36	7 ^h 2	23 ^h 39	16 ^h 34	18 ^h 50	19 ^h 51	20 ^h 34	16 ^h 6	3 ^h 4	S 26	
S 27	0 25 15	4 ^h 23'24	4 ^h 15	24 ^h 16	21 ^h 15	15 ^h 37	23 ^h 32	7 ^h 9	23 ^h 38	16 ^h 36	18 ^h 50	19 ^h 50	20 ^h 31	16 ^h 13	3 ^h 1	S 27	
M28	0 29 11	5 ^h 22'27	19 ^h 26	23 ^h 43	21 ^h 57	16 ^h 9	23 ^h 28	7 ^h 16	23 ^h 36	16 ^h 38	18 ^h 50	19 ^h D49	20 ^h 27	16 ^h 19	2 ^h 58	M28	
T 29	0 33 8	6 ^h 21'31	4 ^h 1131	23 ^h 20	22 ^h 39	16 ^h 42	23 ^h 24	7 ^h 23	23 ^h 35	16 ^h 41	18 ^h 50	19 ^h 50	20 ^h 24	16 ^h 26	2 ^h 56	T 29	
W30	0 37 5	7 ^h 20'38	19 ^h 1121	23 ^h 7 7	23 ^h Ω23	17 ^h 314	23 ^h 320	7 ^h 30	23 ^h 34	16 ^h 43	18 ^h 50	19 ^h 51	20 ^h 21	16 ^h Y33	2 ^h Y53	W30	

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1772
geocentric

OCTOBER 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 41 1	8♌19'46	3♌50	23°D 4	24♌7	17♌46	23°R17	7♏37	23°R32	16♏45	18°D50	19♌51	20♌18	16♏39	2°R50	T 1
F 2	0 44 58	9°18'56	17°56	23♏12	24°53	18°17	23♌13	7°44	23♌30	16°47	18♌50	19°52	20°15	16°46	2♏47	F 2
S 3	0 48 54	10°18'08	1♌35	23°30	25°39	18°49	23°10	7°50	23°29	16°49	18°50	19°53	20°12	16°53	2°44	S 3
S 4	0 52 51	11°17'21	14°51	23°58	26°27	19°20	23° 7	7°57	23°27	16°51	18°50	19°R53	20° 8	16°59	2°42	S 4
M 5	0 56 47	12°16'36	27°45	24°36	27°15	19°51	23° 4	8° 4	23°26	16°53	18°50	19°53	20° 5	17° 6	2°39	M 5
T 6	1 0 44	13°15'53	10♌20	25°23	28° 4	20°22	23° 2	8°11	23°24	16°55	18°50	19°52	20° 2	17°13	2°36	T 6
W 7	1 4 40	14°15'12	22°40	26°17	28°54	20°52	23° 0	8°17	23°22	16°57	18°51	19°51	19°59	17°19	2°34	W 7
T 8	1 8 37	15°14'33	4♏47	27°19	29°45	21°23	22°57	8°24	23°20	16°59	18°51	19°51	19°56	17°26	2°31	T 8
F 9	1 12 33	16°13'55	16°46	28°27	0♏36	21°53	22°55	8°30	23°18	17° 1	18°51	19°50	19°53	17°33	2°28	F 9
S 10	1 16 30	17°13'20	28°39	29°41	1°28	22°23	22°54	8°37	23°17	17° 3	18°51	19°50	19°49	17°39	2°25	S 10
S 11	1 20 27	18°12'46	10♏28	1♌ 0	2°21	22°53	22°52	8°43	23°15	17° 5	18°52	19°50	19°46	17°46	2°23	S 11
M12	1 24 23	19°12'15	22°15	2°23	3°14	23°22	22°51	8°50	23°13	17° 7	18°52	19°D50	19°43	17°53	2°20	M12
T 13	1 28 20	20°11'45	4♌ 4	3°50	4° 8	23°51	22°49	8°56	23°11	17° 9	18°52	19°R50	19°40	17°59	2°18	T 13
W14	1 32 16	21°11'18	15°56	5°20	5° 3	24°20	22°49	9° 3	23° 9	17°11	18°53	19°50	19°37	18° 6	2°15	W14
T 15	1 36 13	22°10'52	27°53	6°53	5°58	24°49	22°48	9° 9	23° 7	17°13	18°53	19°49	19°33	18°12	2°12	T 15
F 16	1 40 9	23°10'29	9♏58	8°28	6°54	25°17	22°47	9°15	23° 5	17°15	18°53	19°49	19°30	18°19	2°10	F 16
S 17	1 44 6	24°10'08	22°14	10° 4	7°51	25°45	22°47	9°21	23° 3	17°17	18°54	19°48	19°27	18°26	2° 7	S 17
S 18	1 48 2	25° 9'50	4♌45	11°42	8°48	26°13	22°D47	9°27	23° 1	17°18	18°54	19°48	19°24	18°32	2° 5	S 18
M19	1 51 59	26° 9'34	17°34	13°21	9°46	26°41	22°47	9°33	22°58	17°20	18°55	19°48	19°21	18°39	2° 2	M19
T 20	1 55 56	27° 9'19	0♌43	15° 0	10°44	27° 8	22°47	9°39	22°56	17°22	18°56	19°D48	19°18	18°46	2° 0	T 20
W21	1 59 52	28° 9'08	14°15	16°40	11°42	27°35	22°47	9°45	22°54	17°24	18°56	19°48	19°14	18°52	1°57	W21
T 22	2 3 49	29° 8'58	28°13	18°21	12°42	28° 2	22°48	9°51	22°52	17°26	18°57	19°48	19°11	18°59	1°55	T 22
F 23	2 7 45	0♏ 8'51	12♏35	20° 1	13°41	28°29	22°49	9°57	22°50	17°27	18°57	19°49	19° 8	19° 6	1°53	F 23
S 24	2 11 42	1° 8'46	27°19	21°42	14°41	28°55	22°50	10° 2	22°47	17°29	18°58	19°50	19° 5	19°12	1°50	S 24
S 25	2 15 38	2° 8'42	12♌20	23°23	15°42	29°20	22°51	10° 8	22°45	17°31	18°59	19°R51	19° 2	19°19	1°48	S 25
M26	2 19 35	3° 8'41	27°30	25° 3	16°43	29°46	22°53	10°14	22°43	17°33	18°59	19°51	18°58	19°26	1°46	M26
T 27	2 23 31	4° 8'42	12♏40	26°43	17°44	0♌11	22°54	10°19	22°40	17°34	19° 0	19°50	18°55	19°32	1°43	T 27
W28	2 27 28	5° 8'45	27°40	28°23	18°46	0°36	22°56	10°25	22°38	17°36	19° 1	19°49	18°52	19°39	1°41	W28
T 29	2 31 25	6° 8'50	12♌22	0♏ 3	19°48	1° 0	22°58	10°30	22°36	17°38	19° 2	19°46	18°49	19°45	1°39	T 29
F 30	2 35 21	7° 8'57	26°40	1°43	20°50	1°24	23° 0	10°35	22°33	17°39	19° 3	19°44	18°46	19°52	1°37	F 30
S 31	2 39 18	8♏ 9'05	10♌30	3♏22	21♏53	1♌48	23♌ 3	10♏41	22♌31	17♏41	19♌ 4	19♌42	18♌43	19♏59	1♏35	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	3s18	17s19	3n41	2n59	0n14	10n55	2s44	23n 0	0n43	14s57	1s15	10n10	1n33	18n24	0s18	6n12
F 2	3 42	18 26	4 30	3 10	0 31	10 48	2 35	22 57	0 44	14 58	1 14	10 8	1 33	18 23	0 18	6 11
S 3	4 5	18 26	5 2	3 17	0 46	10 41	2 27	22 54	0 46	14 59	1 14	10 5	1 34	18 23	0 18	6 10
S 4	4 28	17 24	5 17	3 18	1 0	10 33	2 18	22 51	0 47	15 0	1 14	10 3	1 34	18 22	0 18	6 9
M 5	4 51	15 29	5 15	3 15	1 12	10 24	2 10	22 48	0 48	15 1	1 14	10 0	1 34	18 22	0 18	6 9
T 6	5 15	12 53	4 58	3 6	1 22	10 15	2 2	22 45	0 50	15 1	1 14	9 58	1 34	18 22	0 18	6 8
W 7	5 38	9 46	4 27	2 53	1 32	10 5	1 54	22 41	0 51	15 2	1 14	9 56	1 34	18 21	0 18	6 7
T 8	6 1	6 16	3 45	2 36	1 40	9 55	1 46	22 38	0 53	15 2	1 14	9 53	1 34	18 21	0 18	6 6
F 9	6 23	2 34	2 54	2 14	1 46	9 45	1 38	22 35	0 54	15 3	1 14	9 51	1 34	18 20	0 18	6 6
S 10	6 46	1n13	1 55	1 50	1 51	9 33	1 30	22 31	0 56	15 3	1 13	9 49	1 35	18 20	0 18	6 5
S 11	7 9	4 57	0 52	1 22	1 55	9 22	1 23	22 28	0 57	15 4	1 13	9 46	1 35	18 19	0 18	6 4
M12	7 32	8 28	0s14	0 51	1 58	9 9	1 15	22 24	0 59	15 4	1 13	9 44	1 35	18 19	0 18	6 3
T 13	7 54	11 39	1 18	0 19	2 0	8 57	1 8	22 21	1 0	15 4	1 13	9 42	1 35	18 18	0 18	6 3
W14	8 17	14 23	2 20	0s16	2 1	8 44	1 1	22 17	1 2	15 5	1 13	9 40	1 35	18 18	0 18	6 2
T 15	8 39	16 31	3 16	0 53	2 1	8 30	0 54	22 14	1 3	15 5	1 13	9 37	1 35	18 17	0 18	6 1
F 16	9 1	17 56	4 4	1 31	2 0	8 16	0 47	22 10	1 5	15 5	1 13	9 35	1 36	18 17	0 18	6 0
S 17	9 23	18 33	4 42	2 10	1 59	8 1	0 40	22 6	1 6	15 5	1 13	9 33	1 36	18 16	0 18	6 0
S 18	9 45	18 16	5 7	2 51	1 56	7 46	0 33	22 2	1 8	15 5	1 12	9 31	1 36	18 16	0 18	5 59
M19	10 7	17 4	5 18	3 32	1 54	7 30	0 27	21 59	1 9	15 5	1 12	9 29	1 36	18 15	0 18	5 58
T 20	10 28	14 56	5 12	4 13	1 50	7 14	0 20	21 55	1 11	15 4	1 12	9 27	1 36	18 15	0 18	5 58
W21	10 50	11 57	4 49	4 55	1 46	6 58	0 14	21 51	1 13	15 4	1 12	9 25	1 37	18 14	0 18	5 57
T 22	11 11	8 12	4 9	5 38	1 42	6 41	0 8	21 48	1 14	15 4	1 12	9 23	1 37	18 14	0 18	5 56
F 23	11 32	3 53	3 13	6 20	1 37	6 24	0 2	21 44	1 16	15 3	1 12	9 21	1 37	18 13	0 18	5 56
S 24	11 53	0s48	2 2	7 2	1 32	6 6	0n 4	21 40	1 18	15 3	1 11	9 19	1 37	18 12	0 18	5 55
S 25	12 14	5 31	0 42	7 45	1 27	5 48	0 10	21 36	1 19	15 2	1 11	9 17	1 37	18 12	0 18	5 54
M26	12 35	9 56	0n42	8 27	1 22	5 30	0 16	21 33	1 21	15 2	1 11	9 15	1 37	18 11	0 18	5 54
T 27	12 55	13 42	2 3	9 8	1 16	5 11	0 21	21 29	1 23	15 1	1 11	9 13	1 38	18 11	0 18	5 53
W28	13 15	16 30	3 15	9 50	1 10	4 52	0 27	21 25	1 25	15 0	1 11	9 11	1 38	18 10	0 18	5 53
T 29	13 35	18 9	4 12	10 31	1 4	4 32	0 32	21 22	1 26	14 59	1 11	9 9	1 38	18 9	0 18	5 52
F 30	13 55	18 34	4 51	11 11	0 57	4 12	0 37	21 18	1 28	14 58	1 11	9 7	1 38	18 9	0 18	5 51
S 31	14s14	17s52	5n12	11s51	0n51	3n52	0n42	21n15	1n30	14s57	1s10	9n 5	1n38	18n 8	0s18	5n51

Julian Day Number = 2368543.5, Delta T = 21.59 sec
Ecliptic obliquity = 23°28'00, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°34'03, Lahiri = 20°41'04Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1772

geocentric

NOVEMBER 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 43 14	9♉ 9'14	23♊53	5♉ 0	22♊56	2♉12	23♊ 5	10♊46	22°R28	17♊42	19♊ 4	19°R41	18♊39	20♊ 5	1°R33	S 1
M 2	2 47 11	10° 9'25	6♉50	6°39	24° 0	2°35	23° 8	10°51	22♊26	17°44	19° 5	19°D40	18°36	20°12	1°Y31	M 2
T 3	2 51 7	11° 9'38	19°24	8°17	25° 3	2°57	23°11	10°56	22°24	17°45	19° 6	19♊40	18°33	20°19	1°29	T 3
W 4	2 55 4	12° 9'52	1♊40	9°54	26° 8	3°20	23°15	11° 1	22°21	17°47	19° 7	19°41	18°30	20°25	1°27	W 4
T 5	2 59 0	13°10'07	13°42	11°32	27°12	3°41	23°18	11° 6	22°19	17°48	19° 8	19°43	18°27	20°32	1°25	T 5
F 6	3 2 57	14°10'24	25°35	13° 8	28°17	4° 3	23°22	11°10	22°16	17°50	19° 9	19°44	18°24	20°39	1°23	F 6
S 7	3 6 54	15°10'43	7♊23	14°45	29°22	4°24	23°25	11°15	22°14	17°51	19°10	19°46	18°20	20°45	1°21	S 7
S 8	3 10 50	16°11'03	19°10	16°21	0♊27	4°44	23°29	11°20	22°11	17°52	19°11	19°R47	18°17	20°52	1°19	S 8
M 9	3 14 47	17°11'25	0♊59	17°57	1°33	5° 5	23°34	11°24	22° 9	17°54	19°13	19°46	18°14	20°59	1°18	M 9
T 10	3 18 43	18°11'48	12°52	19°32	2°39	5°24	23°38	11°29	22° 6	17°55	19°14	19°44	18°11	21° 5	1°16	T 10
W11	3 22 40	19°12'13	24°52	21° 8	3°45	5°44	23°43	11°33	22° 4	17°56	19°15	19°40	18° 8	21°12	1°14	W11
T 12	3 26 36	20°12'39	7♊ 1	22°43	4°51	6° 3	23°47	11°37	22° 1	17°58	19°16	19°36	18° 4	21°18	1°13	T 12
F 13	3 30 33	21°13'08	19°19	24°17	5°58	6°21	23°52	11°41	21°59	17°59	19°17	19°30	18° 1	21°25	1°11	F 13
S 14	3 34 29	22°13'38	1♊48	25°52	7° 5	6°39	23°57	11°45	21°56	18° 0	19°18	19°24	17°58	21°32	1°10	S 14
S 15	3 38 26	23°14'10	14°29	27°26	8°12	6°56	24° 3	11°49	21°54	18° 1	19°20	19°19	17°55	21°38	1° 8	S 15
M16	3 42 23	24°14'43	27°24	29° 0	9°19	7°13	24° 8	11°53	21°51	18° 2	19°21	19°14	17°52	21°45	1° 7	M16
T 17	3 46 19	25°15'18	10♊34	0♊34	10°27	7°30	24°14	11°57	21°49	18° 3	19°22	19°12	17°49	21°52	1° 5	T 17
W18	3 50 16	26°15'55	24° 1	2° 7	11°35	7°46	24°20	12° 1	21°46	18° 5	19°24	19°D11	17°45	21°58	1° 4	W18
T 19	3 54 12	27°16'34	7♊47	3°41	12°43	8° 1	24°25	12° 5	21°44	18° 6	19°25	19°11	17°42	22° 5	1° 3	T 19
F 20	3 58 9	28°17'15	21°52	5°14	13°51	8°16	24°32	12° 8	21°41	18° 7	19°26	19°12	17°39	22°12	1° 2	F 20
S 21	4 2 5	29°17'57	6♊16	6°47	14°59	8°30	24°38	12°12	21°39	18° 8	19°28	19°14	17°36	22°18	1° 1	S 21
S 22	4 6 2	0♊18'40	20°56	8°20	16° 8	8°44	24°44	12°15	21°36	18° 9	19°29	19°R14	17°33	22°25	0°59	S 22
M23	4 9 58	1°19'26	5♉48	9°53	17°17	8°57	24°51	12°18	21°34	18°10	19°31	19°13	17°30	22°32	0°58	M23
T 24	4 13 55	2°20'13	20°44	11°25	18°26	9°10	24°58	12°21	21°31	18°10	19°32	19°10	17°26	22°38	0°57	T 24
W25	4 17 52	3°21'01	5♊37	12°58	19°35	9°22	25° 5	12°24	21°29	18°11	19°34	19° 5	17°23	22°45	0°56	W25
T 26	4 21 48	4°21'50	20°18	14°31	20°44	9°33	25°12	12°27	21°27	18°12	19°35	18°58	17°20	22°52	0°56	T 26
F 27	4 25 45	5°22'41	4♊40	16° 3	21°54	9°44	25°19	12°30	21°24	18°13	19°37	18°50	17°17	22°58	0°55	F 27
S 28	4 29 41	6°23'33	18°37	17°35	23° 3	9°54	25°27	12°33	21°22	18°14	19°38	18°42	17°14	23° 5	0°54	S 28
S 29	4 33 38	7°24'25	2♊ 6	19° 7	24°13	10° 3	25°34	12°36	21°19	18°14	19°40	18°36	17°10	23°11	0°53	S 29
M30	4 37 34	8♊25'19	15♊ 9	20♊39	25♊23	10♊12	25♊42	12♊38	21♊17	18♊15	19♊41	18♊31	17♊ 7	23♊18	0♊52	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14s34	16s10	5n16	12s31	0n44	3n32	0n47	21n11	1n32	14s56	1s10	9n 4	1n39	18n 8	0s18	S 1
M 2	14 53	13 42	5 2	13 9	0 38	3 11	0 52	21 8	1 34	14 55	1 10	9 2	1 39	18 7	0 18	M 2
T 3	15 12	10 40	4 35	13 47	0 31	2 50	0 56	21 4	1 36	14 54	1 10	9 0	1 39	18 6	0 18	T 3
W 4	15 30	7 14	3 55	14 25	0 24	2 28	1 1	21 1	1 37	14 53	1 10	8 59	1 39	18 6	0 17	W 4
T 5	15 49	3 33	3 6	15 2	0 18	2 7	1 5	20 58	1 39	14 52	1 10	8 57	1 40	18 5	0 17	T 5
F 6	16 7	0n13	2 10	15 38	0 11	1 45	1 9	20 54	1 41	14 50	1 9	8 55	1 40	18 5	0 17	F 6
S 7	16 24	3 58	1 8	16 13	0 4	1 23	1 14	20 51	1 43	14 49	1 9	8 54	1 40	18 4	0 17	S 7
S 8	16 42	7 34	0 3	16 47	0s 3	1 0	1 18	20 48	1 45	14 48	1 9	8 52	1 40	18 3	0 17	S 8
M 9	16 59	10 52	1s 1	17 21	0 9	0 38	1 21	20 45	1 47	14 46	1 9	8 51	1 40	18 3	0 17	M 9
T 10	17 16	13 45	2 4	17 54	0 16	0 15	1 25	20 42	1 49	14 44	1 9	8 49	1 41	18 2	0 17	T 10
W11	17 33	16 5	3 1	18 25	0 22	0s 8	1 29	20 39	1 51	14 43	1 9	8 48	1 41	18 1	0 17	W11
T 12	17 49	17 43	3 51	18 56	0 29	0 31	1 32	20 37	1 53	14 41	1 8	8 46	1 41	18 1	0 17	T 12
F 13	18 5	18 33	4 30	19 26	0 35	0 55	1 35	20 34	1 55	14 39	1 8	8 45	1 41	18 0	0 17	F 13
S 14	18 21	18 30	4 58	19 55	0 42	1 18	1 38	20 32	1 57	14 37	1 8	8 43	1 42	17 59	0 17	S 14
S 15	18 36	17 32	5 11	20 23	0 48	1 42	1 42	20 29	2 0	14 35	1 8	8 42	1 42	17 59	0 17	S 15
M16	18 51	15 39	5 9	20 50	0 54	2 6	1 44	20 27	2 2	14 34	1 8	8 41	1 42	17 58	0 17	M16
T 17	19 6	12 56	4 51	21 16	1 0	2 30	1 47	20 25	2 4	14 31	1 8	8 40	1 42	17 58	0 17	T 17
W18	19 20	9 30	4 16	21 41	1 6	2 54	1 50	20 23	2 6	14 29	1 8	8 38	1 42	17 57	0 17	W18
T 19	19 34	5 28	3 27	22 5	1 12	3 18	1 52	20 21	2 8	14 27	1 7	8 37	1 43	17 56	0 17	T 19
F 20	19 48	1 2	2 24	22 28	1 18	3 42	1 55	20 19	2 11	14 25	1 7	8 36	1 43	17 56	0 17	F 20
S 21	20 1	3s34	1 10	22 50	1 23	4 7	1 57	20 18	2 13	14 23	1 7	8 35	1 43	17 55	0 17	S 21
S 22	20 14	8 2	0n 9	23 11	1 28	4 31	1 59	20 16	2 15	14 21	1 7	8 34	1 43	17 54	0 17	S 22
M23	20 27	12 4	1 29	23 30	1 34	4 56	2 1	20 15	2 17	14 18	1 7	8 33	1 44	17 54	0 17	M23
T 24	20 39	15 21	2 43	23 48	1 39	5 20	2 3	20 14	2 20	14 16	1 7	8 32	1 44	17 53	0 17	T 24
W25	20 51	17 35	3 45	24 5	1 43	5 45	2 5	20 13	2 22	14 13	1 7	8 31	1 44	17 53	0 17	W25
T 26	21 2	18 36	4 31	24 21	1 48	6 9	2 7	20 12	2 24	14 11	1 6	8 30	1 44	17 52	0 17	T 26
F 27	21 13	18 24	4 59	24 35	1 52	6 34	2 8	20 11	2 27	14 8	1 6	8 29	1 45	17 51	0 17	F 27
S 28	21 24	17 5	5 8	24 49	1 56	6 58	2 9	20 11	2 29	14 5	1 6	8 28	1 45	17 51	0 17	S 28
S 29	21 34	14 50	5 0	25 0	2 0	7 22	2 11	20 11	2 32	14 3	1 6	8 28	1 45	17 50	0 17	S 29
M30	21s44	11s55	4n36	25s11	2s 3	7s47	2n12	20n11	2n34	14s 0	1s 6	8n27	1n45	17n49	0s17	M30

Julian Day Number = 2368574.5, Delta T = 21.61 sec
 Ecliptic obliquity = 23°27'59, Nutation = 0°00'04, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°34'07, Lahiri = 20°41'08Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1772
geocentric

DECEMBER 1772

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 41 31	9°26'13	27°47	22°11	26°33	10°20	25°50	12°41	21°R15	18°16	19°43	18°R28	17°4	23°Y25	0°R52	T 1
W 2	4 45 27	10°27'08	10°4	23°42	27°43	10°28	25°58	12°43	21°812	18°16	19°45	18°D27	17°1	23°31	0°Y51	W 2
T 3	4 49 24	11°28'04	22°6	25°13	28°54	10°34	26°6	12°45	21°10	18°17	19°46	18°28	16°58	23°38	0°51	T 3
F 4	4 53 21	12°29'00	3°Y58	26°44	0°M4	10°40	26°15	12°47	21°8	18°18	19°48	18°29	16°55	23°45	0°50	F 4
S 5	4 57 17	13°29'57	15°45	28°15	1°15	10°46	26°23	12°49	21°5	18°18	19°50	18°R30	16°51	23°51	0°50	S 5
S 6	5 1 14	14°30'55	27°32	29°45	2°25	10°50	26°32	12°51	21°3	18°19	19°51	18°29	16°48	23°58	0°50	S 6
M 7	5 5 10	15°31'54	9°824	1°315	3°36	10°54	26°41	12°53	21°1	18°19	19°53	18°27	16°45	24°5	0°49	M 7
T 8	5 9 7	16°32'53	21°24	2°44	4°47	10°57	26°50	12°55	20°59	18°19	19°55	18°22	16°42	24°11	0°49	T 8
W 9	5 13 3	17°33'53	3°II34	4°13	5°58	11°0	26°59	12°56	20°57	18°20	19°56	18°14	16°39	24°18	0°49	W 9
T 10	5 17 0	18°34'54	15°57	5°40	7°10	11°1	27°8	12°58	20°54	18°20	19°58	18°4	16°36	24°25	0°49	T 10
F 11	5 20 56	19°35'55	28°32	7°7	8°21	11°2	27°17	12°59	20°52	18°21	20°0	17°53	16°32	24°31	0°D49	F 11
S 12	5 24 53	20°36'58	11°221	8°33	9°32	11°R 2	27°27	13°1	20°50	18°21	20°2	17°41	16°29	24°38	0°49	S 12
S 13	5 28 50	21°38'01	24°21	9°57	10°44	11°2	27°36	13°2	20°48	18°21	20°3	17°30	16°26	24°44	0°49	S 13
M14	5 32 46	22°39'05	7°II34	11°19	11°55	11°0	27°46	13°3	20°46	18°21	20°5	17°20	16°23	24°51	0°49	M14
T 15	5 36 43	23°40'10	20°57	12°40	13°7	10°58	27°56	13°4	20°44	18°22	20°7	17°13	16°20	24°58	0°49	T 15
W16	5 40 39	24°41'15	4°II31	13°58	14°19	10°55	28°6	13°5	20°42	18°22	20°9	17°9	16°16	25°4	0°49	W16
T 17	5 44 36	25°42'21	18°16	15°14	15°31	10°51	28°16	13°5	20°40	18°22	20°11	17°7	16°13	25°11	0°50	T 17
F 18	5 48 32	26°43'28	2°II12	16°27	16°43	10°46	28°26	13°6	20°38	18°22	20°13	17°D 7	16°10	25°18	0°50	F 18
S 19	5 52 29	27°44'36	16°19	17°36	17°55	10°40	28°36	13°7	20°36	18°22	20°15	17°R 7	16°7	25°24	0°50	S 19
S 20	5 56 25	28°45'45	0°II37	18°40	19°7	10°34	28°47	13°7	20°35	18°R22	20°16	17°7	16°4	25°31	0°51	S 20
M21	6 0 22	29°46'54	15°3	19°40	20°20	10°26	28°57	13°7	20°33	18°22	20°18	17°4	16°1	25°38	0°51	M21
T 22	6 4 19	0°348'04	29°34	20°34	21°32	10°18	29°8	13°7	20°31	18°22	20°20	16°59	15°57	25°44	0°52	T 22
W23	6 8 15	1°49'15	14°4	21°22	22°44	10°9	29°19	13°R 7	20°29	18°22	20°22	16°50	15°54	25°51	0°53	W23
T 24	6 12 12	2°50'26	28°27	22°3	23°57	9°59	29°30	13°7	20°28	18°22	20°24	16°39	15°51	25°58	0°53	T 24
F 25	6 16 8	3°51'37	12°37	22°35	25°9	9°49	29°41	13°7	20°26	18°22	20°26	16°27	15°48	26°4	0°54	F 25
S 26	6 20 5	4°52'48	26°27	22°58	26°22	9°37	29°52	13°7	20°24	18°21	20°28	16°14	15°45	26°11	0°55	S 26
S 27	6 24 1	5°53'59	9°55	23°12	27°35	9°25	0°3	13°7	20°23	18°21	20°30	16°3	15°42	26°18	0°56	S 27
M28	6 27 58	6°55'11	22°58	23°R14	28°47	9°12	0°14	13°6	20°21	18°21	20°32	15°54	15°38	26°24	0°56	M28
T 29	6 31 54	7°56'22	5°38	23°5	0°3	8°58	0°26	13°5	20°20	18°21	20°34	15°47	15°35	26°31	0°57	T 29
W30	6 35 51	8°57'32	17°58	22°45	1°13	8°43	0°37	13°5	20°18	18°20	20°36	15°43	15°32	26°37	0°58	W30
T 31	6 39 48	9°58'43	0°Y 2	22°312	2°326	8°II28	0°349	13°II 4	20°317	18°II20	20°338	15°42	15°29	26°Y44	1°Y 0	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
T 1	21s53	8s31 3n59	25s20	2s 6	8s11 2n13	20n11	2n37	13s57	1s 6	8n26	1n46	17n49	0s17	5n38	1n 5	23s 4
W 2	22 2	4 50 3 12	25 28	2 9	8 35 2 14	20 11	2 39	13 54	1 6	8 26	1 46	17 48	0 17	5 38	1 5	23 4
T 3	22 11	1 2 2 17	25 34	2 12	9 0 2 15	20 12	2 42	13 51	1 5	8 25	1 46	17 48	0 17	5 38	1 5	23 4
F 4	22 19	2n46	1 17	25 39	2 14	9 24	2 15	20 13	2 44	13 48	1 5	8 24	1 46	17 47	0 17	5 38
S 5	22 27	6 26	0 15	25 43	2 16	9 48	2 16	20 14	2 47	13 45	1 5	8 24	1 47	17 46	0 17	5 37
S 6	22 34	9 51	0s48	25 45	2 17	10 12	2 16	20 15	2 49	13 42	1 5	8 23	1 47	17 46	0 17	5 37
M 7	22 41	12 54	1 50	25 45	2 18	10 35	2 17	20 16	2 52	13 39	1 5	8 23	1 47	17 45	0 17	5 37
T 8	22 47	15 27	2 47	25 44	2 18	10 59	2 17	20 18	2 55	13 36	1 5	8 22	1 48	17 45	0 17	5 37
W 9	22 53	17 20	3 37	25 42	2 18	11 22	2 17	20 20	2 57	13 33	1 5	8 22	1 48	17 44	0 17	5 37
T 10	22 58	18 27	4 18	25 38	2 17	11 45	2 17	20 22	3 0	13 29	1 5	8 22	1 48	17 44	0 17	5 37
F 11	23 3	18 41	4 47	25 33	2 16	12 8	2 17	20 24	3 2	13 26	1 4	8 21	1 48	17 43	0 17	5 37
S 12	23 8	17 58	5 1	25 26	2 14	12 31	2 17	20 27	3 5	13 23	1 4	8 21	1 49	17 43	0 17	5 37
S 13	23 12	16 20	5 1	25 17	2 12	12 54	2 17	20 29	3 8	13 19	1 4	8 21	1 49	17 42	0 17	5 37
M14	23 16	13 48	4 45	25 7	2 9	13 16	2 16	20 32	3 10	13 16	1 4	8 21	1 49	17 42	0 17	5 37
T 15	23 19	10 32	4 13	24 56	2 5	13 38	2 16	20 35	3 13	13 12	1 4	8 21	1 49	17 41	0 17	5 37
W16	23 22	6 40	3 26	24 44	2 0	14 0	2 15	20 39	3 16	13 9	1 4	8 21	1 50	17 41	0 17	5 37
T 17	23 24	2 23	2 27	24 30	1 55	14 22	2 14	20 43	3 18	13 5	1 4	8 21	1 50	17 40	0 17	5 37
F 18	23 26	2s 5	1 19	24 15	1 48	14 43	2 14	20 46	3 21	13 2	1 4	8 21	1 50	17 40	0 17	5 37
S 19	23 27	6 29	0 4	23 59	1 41	15 4	2 13	20 51	3 24	12 58	1 4	8 21	1 50	17 39	0 17	5 37
S 20	23 28	10 35	1n11	23 42	1 33	15 24	2 12	20 55	3 26	12 54	1 3	8 21	1 51	17 39	0 17	5 37
M21	23 28	14 6	2 22	23 24	1 23	15 45	2 11	20 59	3 29	12 50	1 3	8 21	1 51	17 38	0 17	5 37
T 22	23 28	16 45	3 25	23 5	1 13	16 5	2 10	21 4	3 32	12 46	1 3	8 21	1 51	17 38	0 17	5 37
W23	23 27	18 19	4 14	22 46	1 1	16 24	2 8	21 9	3 34	12 43	1 3	8 21	1 52	17 37	0 17	5 37
T 24	23 26	18 41	4 46	22 27	0 48	16 44	2 7	21 14	3 37	12 39	1 3	8 22	1 52	17 37	0 17	5 37
F 25	23 25	17 53	5 0	22 8	0 34	17 2	2 6	21 20	3 39	12 35	1 3	8 22	1 52	17 36	0 17	5 37
S 26	23 23	16 2	4 56	21 49	0 19	17 21	2 4	21 25	3 42	12 31	1 3	8 22	1 52	17 36	0 17	5 37
S 27	23 20	13 21	4 36	21 31	0 2	17 39	2 3	21 31	3 44	12 27	1 3	8 23	1 53	17 36	0 17	5 37
M28	23 17	10 5	4 1	21 13	0n15	17 56	2 1	21 37	3 47	12 23	1 3	8 23	1 53	17 35	0 17	5 37
T 29	23 14	6 26	3 15	20 57	0 33	18 14	1 59	21 43	3 49	12 18	1 3	8 23	1 53	17 35	0 17	5 38
W30	23 10	2 36	2 21	20 41	0 52	18 30	1 58	21 49	3 52	12 14	1 2	8 24	1 53	17 34	0 17	5 38
T 31	23s 5	1n16	1n22	20s27	1n12	18s47	1n56	21n56	3n54	12s10	1s 2	8n25	1n54	17n34	0s17	5n38

Julian Day Number = 2368604.5, Delta T = 21.62 sec
Ecliptic obliquity = 23°27'58, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°34'11, Lahiri = 20°41'12Greg. Calendar