



Astrodienst Ephemeris Tables for the year 2195

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 2195
geocentric

JANUARY 2195

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 42 56	10♈32°51	11♏22	24°R11	28♌45	9♈39	25♌2	6♈51	4°R41	11♏6	16°R26	12♈7	13♈33	7♈52	4♌24	T 1
F 2	6 46 53	11°33'59	25° 3	23♈55	29°57	10°20	25° 9	6°59	4♏39	11° 6	16♏25	12° 9	13°30	7°59	4°26	F 2
S 3	6 50 49	12°35'07	8♌18	23°D48	1♈8	11° 2	25°16	7° 6	4°37	11° 7	16°24	12°R10	13°27	8° 5	4°28	S 3
S 4	6 54 46	13°36'16	21°10	23°51	2°19	11°44	25°22	7°13	4°35	11° 7	16°23	12°10	13°24	8°12	4°30	S 4
M 5	6 58 43	14°37'25	3♌44	24° 3	3°31	12°26	25°29	7°20	4°33	11° 7	16°22	12° 8	13°21	8°19	4°31	M 5
T 6	7 2 39	15°38'34	16° 1	24°23	4°42	13° 8	25°35	7°27	4°31	11° 8	16°21	12° 5	13°17	8°25	4°33	T 6
W 7	7 6 36	16°39'43	28° 7	24°50	5°54	13°50	25°41	7°34	4°30	11° 9	16°20	12° 1	13°14	8°32	4°34	W 7
T 8	7 10 32	17°40'53	10♈5	25°23	7° 6	14°33	25°47	7°41	4°28	11° 9	16°18	11°57	13°11	8°39	4°36	T 8
F 9	7 14 29	18°42'03	21°57	26° 2	8°18	15°15	25°53	7°48	4°27	11°10	16°17	11°53	13° 8	8°45	4°37	F 9
S 10	7 18 25	19°43'13	3♈46	26°47	9°30	15°57	25°59	7°55	4°25	11°10	16°16	11°49	13° 5	8°52	4°38	S 10
S 11	7 22 22	20°44'23	15°35	27°36	10°42	16°39	26° 4	8° 2	4°23	11°11	16°15	11°46	13° 2	8°59	4°39	S 11
M12	7 26 18	21°45'33	27°25	28°29	11°54	17°21	26°10	8° 9	4°22	11°12	16°13	11°44	12°58	9° 5	4°39	M12
T 13	7 30 15	22°46'43	9♈18	29°26	13° 6	18° 4	26°15	8°16	4°20	11°12	16°12	11°D43	12°55	9°12	4°40	T 13
W14	7 34 12	23°47'52	21°16	0♈27	14°18	18°46	26°20	8°23	4°19	11°13	16°11	11°43	12°52	9°19	4°41	W14
T 15	7 38 8	24°49'00	3♈22	1°30	15°30	19°28	26°25	8°30	4°18	11°14	16°10	11°44	12°49	9°25	4°41	T 15
F 16	7 42 5	25°50'09	15°38	2°36	16°43	20°11	26°30	8°36	4°16	11°15	16° 8	11°46	12°46	9°32	4°41	F 16
S 17	7 46 1	26°51'16	28° 8	3°45	17°55	20°53	26°34	8°43	4°15	11°16	16° 7	11°47	12°43	9°39	4°42	S 17
S 18	7 49 58	27°52'23	10♏54	4°55	19° 8	21°35	26°39	8°50	4°14	11°17	16° 6	11°48	12°39	9°45	4°R42	S 18
M19	7 53 54	28°53'29	24° 0	6° 8	20°20	22°18	26°43	8°57	4°13	11°18	16° 4	11°R49	12°36	9°52	4°42	M19
T 20	7 57 51	29°54'35	7♈29	7°22	21°33	23° 0	26°47	9° 4	4°12	11°19	16° 3	11°49	12°33	9°59	4°42	T 20
W21	8 1 47	0♈55'40	21°22	8°38	22°45	23°43	26°51	9°10	4°11	11°20	16° 2	11°48	12°30	10° 5	4°41	W21
T 22	8 5 44	1°56'44	5♏40	9°55	23°58	24°25	26°55	9°17	4° 9	11°21	16° 0	11°47	12°27	10°12	4°41	T 22
F 23	8 9 41	2°57'47	20°20	11°14	25°11	25° 8	26°59	9°24	4° 9	11°22	15°59	11°46	12°23	10°19	4°40	F 23
S 24	8 13 37	3°58'50	5♏17	12°34	26°24	25°51	27° 2	9°31	4° 8	11°23	15°58	11°45	12°20	10°25	4°40	S 24
S 25	8 17 34	4°59'51	20°23	13°55	27°36	26°33	27° 5	9°37	4° 7	11°24	15°56	11°44	12°17	10°32	4°39	S 25
M26	8 21 30	6° 0'52	5♏31	15°17	28°49	27°16	27° 8	9°44	4° 6	11°25	15°55	11°D44	12°14	10°39	4°38	M26
T 27	8 25 27	7° 1'52	20°30	16°40	0♈2	27°59	27°11	9°50	4° 5	11°26	15°53	11°44	12°11	10°45	4°37	T 27
W28	8 29 23	8° 2'51	5♏13	18° 4	1°15	28°42	27°14	9°57	4° 4	11°27	15°52	11°44	12° 8	10°52	4°36	W28
T 29	8 33 20	9° 3'50	19°32	19°29	2°28	29°24	27°16	10° 3	4° 4	11°29	15°51	11°45	12° 4	10°59	4°35	T 29
F 30	8 37 16	10° 4'48	3♏25	20°55	3°41	0♈7	27°19	10°10	4° 3	11°30	15°49	11°45	12° 1	11° 5	4°34	F 30
S 31	8 41 13	11°5'45	16♌51	22♈22	4♈54	0♈50	27♌21	10♈16	4♏2	11♏31	15♏48	11°45	11°58	11♈12	4♌32	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	23s 0	4n56	2s33	20s12	3n 6	17s33	2n22	21s52	0n 0	8s31	1n15	22s31	0n44	20n56
F 2	22 55	1s18	3 34	20 13	3 3	17 49	2 21	21 59	0s 0	8 33	1 15	22 30	0 44	20 56
S 3	22 49	7 17	4 21	20 17	3 0	18 5	2 19	22 5	0 1	8 35	1 16	22 30	0 44	20 55
S 4	22 43	12 47	4 53	20 22	2 55	18 21	2 18	22 12	0 2	8 38	1 16	22 30	0 44	20 55
M 5	22 37	17 36	5 10	20 29	2 49	18 36	2 16	22 18	0 2	8 40	1 16	22 29	0 44	20 55
T 6	22 30	21 36	5 13	20 36	2 42	18 51	2 15	22 24	0 3	8 42	1 16	22 29	0 43	20 54
W 7	22 23	24 37	5 2	20 45	2 34	19 5	2 13	22 30	0 4	8 44	1 16	22 29	0 43	20 54
T 8	22 15	26 30	4 37	20 54	2 26	19 19	2 11	22 35	0 4	8 46	1 17	22 28	0 43	20 54
F 9	22 7	27 11	4 1	21 4	2 18	19 32	2 9	22 41	0 5	8 48	1 17	22 28	0 43	20 54
S 10	21 58	26 36	3 14	21 14	2 9	19 45	2 7	22 46	0 6	8 50	1 17	22 28	0 43	20 53
S 11	21 49	24 49	2 19	21 24	2 0	19 58	2 5	22 51	0 6	8 51	1 17	22 27	0 43	20 53
M12	21 40	21 56	1 18	21 34	1 51	20 9	2 3	22 56	0 7	8 53	1 18	22 27	0 43	20 53
T 13	21 30	18 8	0 13	21 43	1 42	20 21	2 1	23 0	0 8	8 55	1 18	22 26	0 43	20 53
W14	21 19	13 34	0n53	21 53	1 32	20 32	1 59	23 5	0 8	8 57	1 18	22 26	0 43	20 52
T 15	21 9	8 27	1 57	22 1	1 23	20 42	1 56	23 9	0 9	8 58	1 18	22 26	0 43	20 52
F 16	20 57	2 56	2 57	22 10	1 14	20 52	1 54	23 13	0 10	9 1	1 18	22 25	0 43	20 52
S 17	20 46	2n46	3 50	22 17	1 4	20 51	1 52	23 16	0 10	9 1	1 19	22 25	0 43	20 52
S 18	20 34	8 29	4 32	22 24	0 55	21 9	1 49	23 20	0 11	9 2	1 19	22 25	0 43	20 51
M19	20 22	13 59	5 2	22 30	0 46	21 17	1 47	23 23	0 12	9 4	1 19	22 24	0 43	20 51
T 20	20 9	18 58	5 16	22 35	0 37	21 25	1 44	23 26	0 12	9 5	1 19	22 24	0 43	20 51
W21	19 56	23 7	5 13	22 40	0 28	21 32	1 41	23 29	0 13	9 6	1 20	22 23	0 43	20 51
T 22	19 42	25 59	4 50	22 43	0 20	21 38	1 39	23 32	0 14	9 7	1 20	22 23	0 43	20 51
F 23	19 29	27 12	4 8	22 45	0 11	21 44	1 36	23 34	0 15	9 8	1 20	22 22	0 43	20 50
S 24	19 14	26 28	3 9	22 46	0 3	21 49	1 33	23 36	0 15	9 9	1 20	22 22	0 43	20 50
S 25	19 0	23 47	1 56	22 47	0s 5	21 53	1 30	23 38	0 16	9 10	1 21	22 22	0 43	20 50
M26	18 45	19 26	0 35	22 46	0 13	21 57	1 28	23 40	0 17	9 11	1 21	22 21	0 43	20 50
T 27	18 30	13 52	0s49	22 43	0 21	22 0	1 25	23 42	0 18	9 12	1 21	22 21	0 42	20 50
W28	18 14	7 37	2 7	22 40	0 28	22 3	1 22	23 43	0 18	9 13	1 21	22 20	0 42	20 50
T 29	17 58	1 9	3 15	22 35	0 36	22 5	1 19	23 44	0 19	9 13	1 22	22 20	0 42	20 50
F 30	17 42	5s11	4 10	22 30	0 43	22 6	1 16	23 45	0 20	9 14	1 22	22 19	0 42	20 50
S 31	17s26	11s 3	4s48	22s23	0s50	22s 7	1n13	23s45	0s20	9s14	1n22	22s19	0n42	20n49

Julian Day Number = 2522767.5, Delta T = 158.19 sec
Ecliptic obliquity = 23°24'56, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°27'55, Lahiri = 26°34'56

ASTRODIENST EPHEMERIS for the year 2195

geocentric

FEBRUARY 2195

00:00 UT

Day	Sid.t	☉	☾	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 45 10	12 ²² 6'42	29 ²² 52	23 ²³ 50	6 ²³ 7	1 ²³ 33	27 ²² 23	10 ²³ 23	4 ²³ R 2	11 ²³ 33	15 ²³ R46	11 ²³ R45	11 ²³ 55	11 ²³ 19	4 ²³ R31	S 1	
M 2	8 49 6	13° 7'38	12 ²² 29	25° 18'	7° 21'	2° 16'	27° 24'	10° 29'	4 ²² II 1	11° 34'	15 ²² 45	11° D45	11° 52'	11° 25'	4 ²² 29	M 2	
T 3	8 53 3	14° 8'33	24° 48'	26° 48'	8° 34'	2° 59'	27° 26'	10° 35'	4° 1'	11° 35'	15° 44'	11 ²² 45	11° 49'	11° 32'	4° 27'	T 3	
W 4	8 56 59	15° 9'28	6 ²² 52	28° 18'	9° 47'	3° 42'	27° 27'	10° 42'	4° 1'	11° 37'	15° 42'	11° 45'	11° 45'	11° 39'	4° 25'	W 4	
T 5	9 0 56	16° 10'22	18° 47'	29° 48'	11° 0'	4° 25'	27° 29'	10° 48'	4° 0'	11° 38'	15° 41'	11° 46'	11° 42'	11° 45'	4° 23'	T 5	
F 6	9 4 52	17° 11'15	0 ²² 36	1 ²² 20	12° 14'	5° 8'	27° 30'	10° 54'	4° 0'	11° 40'	15° 39'	11° 46'	11° 39'	11° 52'	4° 21'	F 6	
S 7	9 8 49	18° 12'08	12° 23'	2° 52'	13° 27'	5° 51'	27° 30'	11° 0'	4° 0'	11° 41'	15° 38'	11° 47'	11° 36'	11° 59'	4° 19'	S 7	
S 8	9 12 45	19° 12'59	24° 13'	4° 25'	14° 40'	6° 34'	27° 31'	11° 6'	4° 0'	11° 43'	15° 37'	11° 48'	11° 33'	12° 5'	4° 17'	S 8	
M 9	9 16 42	20° 13'49	6 ²² 7	5° 59'	15° 54'	7° 17'	27° 31'	11° 12'	4° 0'	11° 44'	15° 35'	11° R48	11° 29'	12° 12'	4° 14'	M 9	
T 10	9 20 39	21° 14'38	18° 8'	7° 34'	17° 7'	8° 1'	27° 32'	11° 18'	3° 59'	11° 46'	15° 34'	11° 48'	11° 26'	12° 19'	4° 12'	T 10	
W 11	9 24 35	22° 15'26	0 ²² 18	9° 9'	18° 21'	8° 44'	27° R32	11° 24'	3° D59	11° 47'	15° 32'	11° 47'	11° 23'	12° 25'	4° 9'	W 11	
T 12	9 28 32	23° 16'13	12° 39'	10° 45'	19° 34'	9° 27'	27° 32'	11° 30'	4° 0'	11° 49'	15° 31'	11° 46'	11° 20'	12° 32'	4° 6'	T 12	
F 13	9 32 28	24° 16'58	25° 11'	12° 22'	20° 48'	10° 10'	27° 31'	11° 36'	4° 0'	11° 51'	15° 30'	11° 45'	11° 17'	12° 39'	4° 4'	F 13	
S 14	9 36 25	25° 17'41	7 ²² 56	14° 0'	22° 1'	10° 54'	27° 31'	11° 42'	4° 0'	11° 52'	15° 28'	11° 43'	11° 14'	12° 45'	4° 1'	S 14	
S 15	9 40 21	26° 18'24	20° 55'	15° 38'	23° 15'	11° 37'	27° 30'	11° 47'	4° 0'	11° 54'	15° 27'	11° 41'	11° 10'	12° 52'	3° 58'	S 15	
M 16	9 44 18	27° 19'04	4 ²² 9	17° 17'	24° 28'	12° 20'	27° 29'	11° 53'	4° 0'	11° 56'	15° 25'	11° 39'	11° 7'	12° 59'	3° 55'	M 16	
T 17	9 48 14	28° 19'43	17° 39'	18° 58'	25° 42'	13° 4'	27° 28'	11° 59'	4° 1'	11° 58'	15° 24'	11° 38'	11° 4'	13° 5'	3° 51'	T 17	
W 18	9 52 11	29° 20'21	1 ²² 26	20° 39'	26° 55'	13° 47'	27° 27'	12° 4'	4° 1'	11° 59'	15° 23'	11° D38	11° 1'	13° 12'	3° 48'	W 18	
T 19	9 56 8	0 ²² 20'56	15° 29'	22° 20'	28° 9'	14° 31'	27° 25'	12° 10'	4° 1'	12° 1'	15° 21'	11° 38'	10° 58'	13° 19'	3° 45'	T 19	
F 20	10 0 4	1° 21'30	29° 48'	24° 3'	29° 23'	15° 14'	27° 24'	12° 15'	4° 2'	12° 3'	15° 20'	11° 39'	10° 55'	13° 25'	3° 41'	F 20	
S 21	10 4 1	2° 22'03	14° 20'	25° 47'	0 ²² 36	15° 58'	27° 22'	12° 21'	4° 2'	12° 5'	15° 19'	11° 41'	10° 51'	13° 32'	3° 38'	S 21	
S 22	10 7 57	3° 22'33	29° 1'	27° 31'	1° 50'	16° 41'	27° 20'	12° 26'	4° 3'	12° 7'	15° 17'	11° 42'	10° 48'	13° 39'	3° 34'	S 22	
M 23	10 11 54	4° 23'02	13° 47'	29° 17'	3° 4'	17° 25'	27° 18'	12° 31'	4° 4'	12° 9'	15° 16'	11° R42	10° 45'	13° 45'	3° 31'	M 23	
T 24	10 15 50	5° 23'28	28° 30'	1 ²² 3	4° 17'	18° 8'	27° 15'	12° 36'	4° 4'	12° 10'	15° 15'	11° 41'	10° 42'	13° 52'	3° 27'	T 24	
W 25	10 19 47	6° 23'53	13° 2'	2° 51'	5° 31'	18° 52'	27° 13'	12° 41'	4° 5'	12° 12'	15° 13'	11° 39'	10° 39'	13° 59'	3° 23'	W 25	
T 26	10 23 43	7° 24'17	27° 19'	4° 39'	6° 45'	19° 36'	27° 10'	12° 47'	4° 6'	12° 14'	15° 12'	11° 36'	10° 35'	14° 5'	3° 19'	T 26	
F 27	10 27 40	8° 24'39	11° 14'	6° 28'	7° 58'	20° 19'	27° 7'	12° 52'	4° 7'	12° 16'	15° 11'	11° 32'	10° 32'	14° 12'	3° 15'	F 27	
S 28	10 31 37	9 ²² 25'00	24° 46'	8 ²² 18	9 ²² 12	21° 3'	27° 4'	12° 56'	4 ²² II 8	12° 18'	15° 9'	11° 28'	10° 29'	14° 18'	3° 11'	S 28	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s 9	16s16	5s11	22s14	0s56	22s 7	1n10	23s46	0s21	9s15	1n22	22s18	0n42	20n49	0s 7	3n12	1s29
M 2	16 52	20 36	5 18	22 5	1 3	22 6	1 7	23 46	0 22	9 15	1 23	22 18	0 42	20 49	0 7	3 12	1 29
T 3	16 34	23 57	5 10	21 54	1 9	22 5	1 3	23 46	0 23	9 16	1 23	22 18	0 42	20 49	0 7	3 13	1 29
W 4	16 16	26 10	4 48	21 42	1 15	22 3	1 0	23 45	0 23	9 16	1 23	22 17	0 42	20 49	0 7	3 14	1 29
T 5	15 58	27 10	4 14	21 29	1 20	22 1	0 57	23 45	0 24	9 16	1 23	22 17	0 42	20 49	0 7	3 14	1 29
F 6	15 40	26 54	3 30	21 14	1 26	21 57	0 54	23 44	0 25	9 16	1 24	22 16	0 42	20 49	0 7	3 15	1 29
S 7	15 22	25 26	2 36	20 58	1 31	21 53	0 51	23 43	0 26	9 16	1 24	22 16	0 42	20 49	0 7	3 15	1 29
S 8	15 3	22 50	1 36	20 41	1 35	21 49	0 48	23 42	0 27	9 16	1 24	22 15	0 42	20 49	0 7	3 16	1 29
M 9	14 44	19 14	0 32	20 22	1 40	21 44	0 45	23 40	0 27	9 16	1 24	22 15	0 42	20 49	0 7	3 17	1 29
T 10	14 24	14 49	0n35	20 2	1 44	21 38	0 42	23 38	0 28	9 16	1 24	22 14	0 42	20 49	0 7	3 17	1 29
W 11	14 5	9 47	1 41	19 41	1 48	21 32	0 38	23 36	0 29	9 16	1 25	22 14	0 42	20 49	0 7	3 18	1 29
T 12	13 45	4 18	2 43	19 18	1 51	21 25	0 35	23 34	0 30	9 16	1 25	22 13	0 42	20 49	0 7	3 19	1 28
F 13	13 25	1n25	3 38	18 54	1 54	21 17	0 32	23 32	0 30	9 15	1 25	22 13	0 42	20 49	0 7	3 19	1 28
S 14	13 5	7 11	4 23	18 29	1 57	21 9	0 29	23 29	0 31	9 15	1 25	22 12	0 42	20 49	0 7	3 20	1 28
S 15	12 44	12 43	4 56	18 2	2 0	21 0	0 26	23 26	0 32	9 14	1 26	22 12	0 42	20 49	0 7	3 21	1 28
M 16	12 23	17 48	5 14	17 34	2 2	20 50	0 23	23 23	0 33	9 14	1 26	22 11	0 42	20 49	0 7	3 21	1 28
T 17	12 3	22 6	5 14	17 5	2 4	20 40	0 19	23 20	0 34	9 13	1 26	22 11	0 42	20 49	0 6	3 22	1 28
W 18	11 42	25 17	4 58	16 34	2 5	20 29	0 16	23 16	0 34	9 13	1 26	22 10	0 42	20 49	0 6	3 23	1 28
T 19	11 20	26 59	4 23	16 2	2 6	20 18	0 13	23 13	0 35	9 12	1 27	22 10	0 42	20 50	0 6	3 24	1 28
F 20	10 59	26 56	3 31	15 29	2 7	20 6	0 10	23 9	0 36	9 11	1 27	22 9	0 42	20 50	0 6	3 24	1 28
S 21	10 37	25 3	2 25	14 54	2 7	19 53	0 7	23 4	0 37	9 10	1 27	22 9	0 42	20 50	0 6	3 25	1 28
S 22	10 16	21 28	1 9	14 18	2 7	19 40	0 4	23 0	0 38	9 9	1 27	22 9	0 42	20 50	0 6	3 26	1 28
M 23	9 54	16 29	0s11	13 41	2 6	19 26	0 1	22 55	0 38	9 8	1 28	22 8	0 42	20 50	0 6	3 27	1 28
T 24	9 32	10 34	1 31	13 2	2 5	19 12	0s 2	22 50	0 39	9 7	1 28	22 8	0 42	20 50	0 6	3 28	1 28
W 25	9 9	4 8	2 44	12 22	2 3	18 57	0 5	22 45	0 40	9 6	1 28	22 7	0 42	20 50	0 6	3 28	1 28
T 26	8 47	2s23	3 45	11 40	2 1	18 42	0 8	22 40	0 41	9 5	1 28	22 7	0 42	20 50	0 6	3 29	1 28
F 27	8 24	8 36	4 31	10 58	1 58	18 26	0 11	22 34	0 42	9 4	1 28	22 6	0 42	20 51	0 6	3 30	1 28
S 28	8s 2	14s14	5s 0	10s14	1s55	18s10	0s14	22s28	0s42	9s 2	1n29	22s 6	0n42	20n51	0s 6	3n30	1s28

Julian Day Number = 2522798.5, Delta T = 158.27 sec
 Ecliptic obliquity = 23°24'56", Nutation = 0°00'14", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°28'00", Lahiri = 26°35'00"

ASTRODIENST EPHEMERIS for the year 2195
geocentric

MARCH 2195

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 33	10 ^h 25'19"	7 ^m 52"	10 ^h 39' 9"	10 ^h 26' 26"	21 ^h 34' 47"	27°R 1	13 ^h 31' 1"	4 ^h 11' 8"	12 ^h 12' 20"	15°R 8	11°R24	10 ^h 26' 26"	14 ^h 32' 25"	3°R 7	S 1
M 2	10 39 30	11°25'37"	20°35'	12° 1'	11°40'	22°30'	26 ^h 25' 57"	13° 6'	4° 9'	12°22'	15 ^h 12' 7"	11 ^h 22' 1"	10°23'	14°32'	3 ^h 21' 3"	M 2
T 3	10 43 26	12°25'53"	2 ^h 58'	13°54'	12°54'	23°14'	26°54'	13°11'	4°11'	12°24'	15° 6'	11°19'	10°20'	14°38'	2°59'	T 3
W 4	10 47 23	13°26'08"	15° 4'	15°47'	14° 7'	23°58'	26°50'	13°15'	4°12'	12°26'	15° 4'	11°D18	10°16'	14°45'	2°54'	W 4
T 5	10 51 19	14°26'21"	27° 0'	17°42'	15°21'	24°42'	26°46'	13°20'	4°13'	12°28'	15° 3'	11°19'	10°13'	14°52'	2°50'	T 5
F 6	10 55 16	15°26'33"	8 ^h 34' 9"	19°37'	16°35'	25°26'	26°42'	13°25'	4°14'	12°30'	15° 2'	11°21'	10°10'	14°58'	2°46'	F 6
S 7	10 59 12	16°26'43"	20°37'	21°32'	17°49'	26°10'	26°37'	13°29'	4°15'	12°32'	15° 1'	11°22'	10° 7'	15° 5'	2°41'	S 7
S 8	11 3 9	17°26'52"	2 ^h 28'	23°28'	19° 3'	26°54'	26°33'	13°33'	4°17'	12°34'	15° 0'	11°24'	10° 4'	15°12'	2°37'	S 8
M 9	11 7 6	18°26'59"	14°27'	25°24'	20°17'	27°38'	26°28'	13°38'	4°18'	12°37'	14°59'	11°R24	10° 1'	15°18'	2°32'	M 9
T 10	11 11 2	19°27'05"	26°37'	27°20'	21°30'	28°22'	26°24'	13°42'	4°19'	12°39'	14°57'	11°23'	9°57'	15°25'	2°28'	T 10
W11	11 14 59	20°27'08"	9 ^h 31' 0"	29°16'	22°44'	29° 6'	26°19'	13°46'	4°21'	12°41'	14°56'	11°20'	9°54'	15°32'	2°23'	W11
T 12	11 18 55	21°27'10"	21°38'	1°12' 1"	23°58'	29°50'	26°14'	13°50'	4°22'	12°43'	14°55'	11°15'	9°51'	15°38'	2°19'	T 12
F 13	11 22 52	22°27'10"	4°13' 2"	3° 7'	25°12'	0 ^h 34' 4"	26° 8'	13°54'	4°24'	12°45'	14°54'	11° 8'	9°48'	15°45'	2°14'	F 13
S 14	11 26 48	23°27'07"	17°40'	5° 1'	26°26'	1°18'	26° 3'	13°58'	4°25'	12°47'	14°53'	11° 1'	9°45'	15°52'	2° 9'	S 14
S 15	11 30 45	24°27'03"	1 ^h 18' 1"	6°53'	27°40'	2° 2'	25°57'	14° 2'	4°27'	12°49'	14°52'	10°53'	9°41'	15°58'	2° 5'	S 15
M16	11 34 41	25°26'57"	14°35'	8°44'	28°54'	2°46'	25°52'	14° 5'	4°29'	12°52'	14°51'	10°47'	9°38'	16° 5'	2° 0'	M16
T 17	11 38 38	26°26'49"	28°18'	10°33'	0 ^h 31' 8"	3°30'	25°46'	14° 9'	4°30'	12°54'	14°50'	10°41'	9°35'	16°12'	1°55'	T 17
W18	11 42 35	27°26'38"	12°11' 1"	12°19'	1°22'	4°14'	25°40'	14°12'	4°32'	12°56'	14°49'	10°38'	9°32'	16°18'	1°50'	W18
T 19	11 46 31	28°26'26"	26°12'	14° 2'	2°35'	4°59'	25°34'	14°16'	4°34'	12°58'	14°48'	10°D37	9°29'	16°25'	1°46'	T 19
F 20	11 50 28	29°26'11"	10°51' 9"	15°41'	3°49'	5°43'	25°28'	14°19'	4°36'	13° 0'	14°47'	10°38'	9°26'	16°32'	1°41'	F 20
S 21	11 54 24	0°12'55'4"	24°31'	17°16'	5° 3'	6°27'	25°21'	14°23'	4°38'	13° 3'	14°46'	10°39'	9°22'	16°38'	1°36'	S 21
S 22	11 58 21	1°25'34"	8 ^h 12' 48"	18°46'	6°17'	7°11'	25°15'	14°26'	4°40'	13° 5'	14°45'	10°R39	9°19'	16°45'	1°31'	S 22
M23	12 2 17	2°25'12"	23° 6'	20°11'	7°31'	7°55'	25° 8'	14°29'	4°42'	13° 7'	14°44'	10°39'	9°16'	16°52'	1°26'	M23
T 24	12 6 14	3°24'48"	7 ^h 12' 2"	21°31'	8°45'	8°40'	25° 2'	14°32'	4°44'	13° 9'	14°44'	10°36'	9°13'	16°58'	1°22'	T 24
W25	12 10 10	4°24'22"	21°31'	22°45'	9°59'	9°24'	24°55'	14°35'	4°46'	13°12'	14°43'	10°31'	9°10'	17° 5'	1°17'	W25
T 26	12 14 7	5°23'53"	5 ^h 23' 30"	23°53'	11°13'	10° 8'	24°48'	14°38'	4°48'	13°14'	14°42'	10°23'	9° 6'	17°12'	1°12'	T 26
F 27	12 18 4	6°23'23"	19°13'	24°54'	12°27'	10°53'	24°41'	14°40'	4°50'	13°16'	14°41'	10°14'	9° 3'	17°18'	1° 7'	F 27
S 28	12 22 0	7°22'51"	2 ^h 13' 37"	25°48'	13°40'	11°37'	24°34'	14°43'	4°52'	13°18'	14°40'	10° 4'	9° 0'	17°25'	1° 3'	S 28
S 29	12 25 57	8°22'16"	15°41'	26°35'	14°54'	12°21'	24°27'	14°46'	4°55'	13°21'	14°40'	9°54'	8°57'	17°32'	0°58'	S 29
M30	12 29 53	9°21'41"	28°24'	27°15'	16° 8'	13° 6'	24°20'	14°48'	4°57'	13°23'	14°39'	9°46'	8°54'	17°38'	0°53'	M30
T 31	12 33 50	10°12'10'3"	10 ^h 12' 48"	27°14' 48"	17°14' 22"	13 ^h 22' 50"	24 ^h 24' 13"	14 ^h 31' 51"	4 ^h 11' 59"	13°12' 25"	14°12' 38"	9 ^h 22' 39"	8 ^h 22' 51"	17 ^h 32' 45"	0 ^h 24' 49"	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s39	19s 3	5s13	9s29	1s52	17s53	0s17	22s22	0s43	9s 1	1n29	22s 5	0n42	20n51	0s 6	3n31	1s28
M 2	7 16	22 51	5 10	8 42	1 48	17 35	0 20	22 16	0 44	9 0	1 29	22 5	0 42	20 51	0 6	3 32	1 28
T 3	6 53	25 30	4 52	7 55	1 43	17 17	0 22	22 9	0 45	8 58	1 29	22 4	0 42	20 51	0 6	3 33	1 28
W 4	6 30	26 54	4 21	7 6	1 38	16 59	0 25	22 3	0 46	8 57	1 29	22 4	0 42	20 52	0 6	3 34	1 28
T 5	6 7	27 2	3 39	6 16	1 32	16 40	0 28	21 56	0 47	8 55	1 30	22 4	0 42	20 52	0 6	3 34	1 28
F 6	5 44	28 56	2 49	5 25	1 25	16 20	0 31	21 48	0 47	8 53	1 30	22 3	0 42	20 52	0 6	3 35	1 28
S 7	5 21	23 40	1 51	4 33	1 18	16 0	0 33	21 41	0 48	8 52	1 30	22 3	0 42	20 52	0 6	3 36	1 28
S 8	4 57	20 23	0 49	3 40	1 11	15 40	0 36	21 34	0 49	8 50	1 30	22 2	0 42	20 53	0 6	3 37	1 28
M 9	4 34	16 13	0n17	2 47	1 3	15 19	0 38	21 26	0 50	8 48	1 30	22 2	0 41	20 53	0 6	3 38	1 28
T 10	4 10	11 21	1 22	1 53	0 54	14 58	0 41	21 18	0 51	8 46	1 31	22 1	0 41	20 53	0 6	3 38	1 28
W11	3 47	5 57	2 25	0 58	0 44	14 36	0 43	21 10	0 52	8 44	1 31	22 1	0 41	20 53	0 6	3 39	1 28
T 12	3 23	0 14	3 21	0 3	0 35	14 14	0 46	21 1	0 52	8 42	1 31	22 1	0 41	20 54	0 6	3 40	1 28
F 13	3 0	5n36	4 9	0n52	0 24	13 52	0 48	20 53	0 53	8 40	1 31	22 0	0 41	20 54	0 6	3 41	1 28
S 14	2 36	11 17	4 44	1 47	0 13	13 29	0 50	20 44	0 54	8 38	1 31	22 0	0 41	20 54	0 6	3 42	1 28
S 15	2 12	16 34	5 4	2 42	0 2	13 6	0 53	20 35	0 55	8 36	1 31	21 59	0 41	20 55	0 6	3 43	1 28
M16	1 48	21 6	5 8	3 37	0n10	12 42	0 55	20 26	0 56	8 34	1 32	21 59	0 41	20 55	0 6	3 44	1 28
T 17	1 25	24 33	4 54	4 31	0 22	12 18	0 57	20 16	0 57	8 31	1 32	21 59	0 41	20 55	0 6	3 44	1 28
W18	1 1	26 35	4 23	5 23	0 35	11 54	0 59	20 6	0 57	8 29	1 32	21 58	0 41	20 56	0 6	3 45	1 28
T 19	0 37	26 58	3 37	6 15	0 47	11 30	1 1	19 57	0 58	8 27	1 32	21 58	0 41	20 56	0 6	3 46	1 28
F 20	0 13	25 37	2 36	7 5	1 0	11 5	1 3	19 47	0 59	8 24	1 32	21 58	0 41	20 56	0 6	3 47	1 28
S 21	0n10	22 36	1 26	7 54	1 13	10 39	1 5	19 37	1 0	8 22	1 32	21 57	0 41	20 57	0 6	3 48	1 28
S 22	0 34	18 12	0 10	8 40	1 25	10 14	1 7	19 26	1 1	8 20	1 32	21 57	0 41	20 57	0 6	3 49	1 28
M23	0 58	12 45	1s 7	9 24	1 38	9 48	1 9	19 16	1 2	8 17	1 32	21 57	0 41	20 57	0 6	3 50	1 28
T 24	1 21	6 39	2 19	10 5	1 50	9 22	1 10	19 5	1 2	8 15	1 33	21 56	0 41	20 58	0 6	3 51	1 28
W25	1 45	0 16	3 21	10 44	2 2	8 56	1 12	18 54	1 3	8 12	1 33	21 56	0 41	20 58	0 6	3 51	1 28
T 26	2 9	6s 1	4 11	11 20	2 14	8 29	1 14	18 43	1 4	8 9	1 33	21 56	0 41	20 59	0 6	3 52	1 28
F 27	2 32	11 55	4 45	11 52	2 25	8 3	1 15	18 32	1 5	8 7	1 33	21 55	0 41	20 59	0 6	3 53	1 28
S 28	2 56	17 6	5 2	12 22	2 35	7 36	1 17	18 20	1 6	8 4	1 33	21 55	0 41	20 59	0 6	3 54	1 28
S 29	3 19	21 21	5 3	12 48	2 44	7 8	1 18	18 9	1 7	8 2	1 33	21 55	0 41	21 0	0 6	3 55	1 28
M30	3 42	24 29	4 49	13 10	2 52	6 41	1 19	17 57	1 8	7 59	1 33	21 55	0 41	21 0	0 6	3 56	1 28
T 31	4n 6	26s21	4s22	13n28	3n 0	6s14	1s21	17s45	1s 8	7s56	1n33	21s54	0n41	21n 1	0s 6	3n57	1s28

Julian Day Number = 2522826.5, Delta T = 158.34 sec
Ecliptic obliquity = 23°24'56", Nutation = 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°28'03", Lahiri = 26°35'04"

ASTRODIENST EPHEMERIS for the year 2195
geocentric

APRIL 2195

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 37 46	11°20'23	22°56	28°12	18°36	14°35	24°R 6	14°53	5°II 2	13°V27	14°R37	9°R35	8°47	17°52	0°R44	W 1
T 2	12 41 43	12°19'42	4°53	28°30	19°50	15°19	23°58	14°55	5° 4	13°30	14°37	9°33	8°44	17°58	0°39	T 2
F 3	12 45 39	13°18'59	16°42	28°40	21° 4	16° 4	23°51	14°57	5° 6	13°32	14°36	9°D33	8°41	18° 5	0°35	F 3
S 4	12 49 36	14°18'14	28°31	28°R42	22°18	16°48	23°43	14°59	5° 9	13°34	14°36	9°34	8°38	18°11	0°30	S 4
S 5	12 53 33	15°17'27	10°24	28°37	23°32	17°32	23°36	15° 1	5°11	13°37	14°35	9°R34	8°35	18°18	0°26	S 5
M 6	12 57 29	16°16'39	22°26	28°26	24°45	18°17	23°28	15° 3	5°14	13°39	14°34	9°33	8°32	18°25	0°21	M 6
T 7	13 1 26	17°15'48	4°42	28° 8	25°59	19° 2	23°21	15° 5	5°16	13°41	14°34	9°30	8°28	18°31	0°17	T 7
W 8	13 5 22	18°14'56	17°15	27°44	27°13	19°46	23°13	15° 6	5°19	13°43	14°33	9°25	8°25	18°38	0°12	W 8
T 9	13 9 19	19°14'02	0°Y 8	27°15	28°27	20°31	23° 5	15° 8	5°22	13°46	14°33	9°17	8°22	18°45	0° 8	T 9
F 10	13 13 15	20°13'06	13°21	26°41	29°41	21°15	22°58	15° 9	5°24	13°48	14°32	9° 7	8°19	18°51	0° 3	F 10
S 11	13 17 12	21°12'08	26°52	26° 3	0°Y55	22° 0	22°50	15°11	5°27	13°50	14°32	8°55	8°16	18°58	29°59	S 11
S 12	13 21 8	22°11'08	10°840	25°21	2° 9	22°44	22°42	15°12	5°30	13°52	14°32	8°43	8°12	19° 5	29°55	S 12
M13	13 25 5	23°10'06	24°40	24°38	3°23	23°29	22°35	15°13	5°33	13°55	14°31	8°33	8° 9	19°11	29°51	M13
T 14	13 29 1	24° 9'02	8°II47	23°52	4°37	24°13	22°27	15°14	5°35	13°57	14°31	8°24	8° 6	19°18	29°47	T 14
W15	13 32 58	25° 7'55	22°58	23° 7	5°50	24°58	22°19	15°15	5°38	13°59	14°31	8°18	8° 3	19°25	29°43	W15
T 16	13 36 55	26° 6'47	7°9 9	22°21	7° 4	25°43	22°11	15°16	5°41	14° 1	14°30	8°15	8° 0	19°31	29°39	T 16
F 17	13 40 51	27° 5'36	21°19	21°37	8°18	26°27	22° 4	15°17	5°44	14° 4	14°30	8°14	7°57	19°38	29°35	F 17
S 18	13 44 48	28° 4'23	5°124	20°54	9°32	27°12	21°56	15°17	5°47	14° 6	14°30	8°14	7°53	19°45	29°31	S 18
S 19	13 48 44	29° 3'07	19°26	20°14	10°46	27°56	21°48	15°18	5°50	14° 8	14°30	8°13	7°50	19°51	29°27	S 19
M20	13 52 41	0°8 1'49	3°122	19°38	12° 0	28°41	21°41	15°18	5°53	14°10	14°29	8°12	7°47	19°58	29°24	M20
T 21	13 56 37	1° 0'29	17°13	19° 5	13°13	29°25	21°33	15°19	5°56	14°12	14°29	8° 7	7°44	20° 5	29°20	T 21
W22	14 0 34	1°59'07	0°56	18°36	14°27	0°10	21°26	15°19	5°59	14°15	14°29	8° 0	7°41	20°11	29°17	W22
T 23	14 4 30	2°57'42	14°30	18°11	15°41	0°55	21°18	15°19	6° 2	14°17	14°29	7°50	7°38	20°18	29°13	T 23
F 24	14 8 27	3°56'16	27°51	17°52	16°55	1°39	21°11	15°R19	6° 5	14°19	14°29	7°39	7°34	20°25	29°10	F 24
S 25	14 12 24	4°54'48	10°158	17°37	18° 9	2°24	21° 4	15°19	6° 8	14°21	14°29	7°26	7°31	20°31	29° 6	S 25
S 26	14 16 20	5°53'17	23°49	17°27	19°22	3° 8	20°56	15°19	6°11	14°23	14°29	7°13	7°28	20°38	29° 3	S 26
M27	14 20 17	6°51'46	6°24	17°D22	20°36	3°53	20°49	15°19	6°14	14°25	14°D29	7° 1	7°25	20°44	29° 0	M27
T 28	14 24 13	7°50'12	18°43	17°23	21°50	4°38	20°42	15°19	6°18	14°28	14°29	6°52	7°22	20°51	28°57	T 28
W29	14 28 10	8°48'37	0°349	17°28	23° 4	5°22	20°35	15°18	6°21	14°30	14°29	6°46	7°18	20°58	28°54	W29
T 30	14 32 6	9°47'00	12°344	17°Y38	24°Y18	6°17	20°28	15°318	6°II24	14°Y32	14°129	6°442	7°15	21°3 4	28°51	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
W 1	4n29	26s56	3s43	13n43	3n 6	5s46	1s22	17s33	1s 9	7s53	1n33	21s54	0n41	21n 1	0s 6	3n58	1s28	23n 5	6n58	17s50	18s 3	24s 3	3s50	3s52	
T 2	4 52	26 14	2 54	13 54	3 11	5 18	1 23	17 21	1 10	7 51	1 33	21 54	0 41	21 2	0 6	3 58	1 28	23 5	6 58	17 51	18 3	24 1	3 48	3 52	
F 3	5 15	24 20	1 59	14 1	3 14	4 50	1 24	17 8	1 11	7 48	1 33	21 54	0 41	21 2	0 6	3 59	1 28	23 5	6 58	17 51	18 4	24 0	3 46	3 51	
S 4	5 38	21 24	0 59	14 4	3 17	4 22	1 25	16 56	1 12	7 45	1 33	21 53	0 41	21 2	0 6	4 0	1 28	23 5	6 57	17 50	18 5	23 58	3 44	3 51	
S 5	6 1	17 33	0n 4	14 3	3 17	3 53	1 26	16 43	1 13	7 42	1 33	21 53	0 41	21 3	0 6	4 1	1 28	23 5	6 57	17 50	18 6	23 56	3 41	3 50	
M 6	6 24	12 57	1 8	13 58	3 17	3 25	1 27	16 30	1 13	7 40	1 33	21 53	0 41	21 3	0 6	4 2	1 28	23 5	6 57	17 51	18 7	23 54	3 39	3 50	
T 7	6 46	7 46	2 10	13 49	3 14	2 56	1 28	16 17	1 14	7 37	1 33	21 53	0 41	21 4	0 6	4 3	1 28	23 5	6 57	17 51	18 8	23 53	3 37	3 49	
W 8	7 9	2 10	3 6	13 37	3 10	2 27	1 29	16 4	1 15	7 34	1 33	21 53	0 41	21 4	0 6	4 4	1 28	23 5	6 57	17 53	18 8	23 51	3 35	3 49	
T 9	7 31	3n39	3 55	13 21	3 4	1 59	1 29	15 50	1 16	7 31	1 33	21 52	0 41	21 5	0 6	4 5	1 28	23 5	6 57	17 55	18 9	23 49	3 33	3 48	
F 10	7 54	9 26	4 32	13 2	2 57	1 30	1 30	15 37	1 17	7 28	1 33	21 52	0 41	21 5	0 6	4 5	1 28	23 5	6 57	17 58	18 10	23 48	3 31	3 48	
S 11	8 16	14 56	4 55	12 39	2 48	1 1	1 30	15 23	1 18	7 25	1 33	21 52	0 41	21 6	0 6	4 6	1 28	23 5	6 57	18 1	18 11	23 46	3 28	3 47	
S 12	8 38	19 46	5 1	12 15	2 38	0 32	1 31	15 9	1 18	7 23	1 33	21 52	0 41	21 6	0 6	4 7	1 28	23 5	6 57	18 4	18 12	23 44	3 26	3 47	
M13	9 0	23 36	4 50	11 48	2 26	0 3	1 31	14 56	1 19	7 20	1 33	21 52	0 41	21 7	0 6	4 8	1 28	23 5	6 57	18 7	18 13	23 42	3 24	3 46	
T 14	9 21	26 2	4 21	11 19	2 13	0n26	1 31	14 42	1 20	7 17	1 33	21 52	0 41	21 7	0 6	4 9	1 28	23 5	6 56	18 9	18 13	23 40	3 22	3 46	
W15	9 43	26 49	3 35	10 49	1 59	0 55	1 32	14 27	1 21	7 14	1 33	21 52	0 41	21 8	0 6	4 10	1 28	23 5	6 56	18 10	18 14	23 39	3 20	3 45	
T 16	10 4	25 50	2 37	10 18	1 44	1 24	1 32	14 13	1 22	7 11	1 33	21 52	0 41	21 8	0 6	4 11	1 28	23 5	6 56	18 11	18 15	23 37	3 18	3 45	
F 17	10 26	23 11	1 28	9 47	1 28	1 53	1 32	13 59	1 23	7 8	1 33	21 52	0 41	21 9	0 6	4 11	1 28	23 5	6 56	18 11	18 16	23 35	3 16	3 44	
S 18	10 47	19 9	0 15	9 16	1 12	2 22	1 32	13 44	1 23	7 6	1 33	21 51	0 41	21 9	0 6	4 12	1 28	23 5	6 56	18 11	18 17	23 33	3 14	3 44	
S 19	11 8	14 3	0s59	8 46	0 56	2 51	1 32	13 30	1 24	7 3	1 33	21 51	0 41	21 10	0 6	4 13	1 28	23 5	6 56	18 11	18 17	23 31	3 12	3 43	
M20	11 28	8 15	2 9	8 16	0 39	3 20	1 32	13 15	1 25	7 0	1 33	21 51	0 41	21 10	0 6	4 14	1 28	23 5	6 56	18 12	18 18	23 30	3 10	3 43	
T 21	11 49	2 7	3 10	7 48	0 22	3 48	1 32	13 0	1 26	6 57	1 33	21 51	0 41	21 11	0 6	4 15	1 28	23 5	6 56	18 13	18 19	23 28	3 8	3 42	
W22	12 9	4s 3	4 0	7 22	0 5	4 17	1 32	12 45	1 27	6 55	1 33	21 51	0 41	21 11	0 6	4 16	1 28	23 5	6 56	18 15	18 20	23 26	3 6	3 41	
T 23	12 29	9 57	4 36	6 57	0s11	4 46	1 31	12 30	1 27	6 52	1 33	21 51	0 41	21 12	0 6	4 16	1 28	23 5	6 55	18 17	18 21	23 24	3 4	3 41	
F 24	12 49	15 18	4 56	6 35	0 27	5 14	1 31	12 15	1 28	6 49	1 33	21 51	0 41	21 13	0 6	4 17	1 28	23 5	6 55	18 20	18 22	23 22	3 2	3 40	
S 25	13 9	19 51	5 0	6 15	0 42	5 43	1 30	12 0	1 29	6 47	1 33	21 51	0 41	21 13	0 6	4 18	1 28	23 5	6 55	18 24	18 22	23 20	3 0	3 40	
S 26	13 28	23 21	4 48	5 58	0 57	6 11	1 30	11 44	1 30	6 44	1 33	21 51	0 41	21 14	0 6	4 19	1 28	23 5	6 55	18 27	18 23	23 19	2 58	3 39	
M27	13 48	25 40	4 22	5 43	1 11	6 39	1 29	11 29	1 31	6 41	1 33	21 51	0 41	21 14	0 6	4 20	1 28	23 5	6 55	18 30	18 24	23 17	2 57	3 38	
T 28	14 7	26 40	3 45	5 31	1 25	7 8	1 29	11 13	1 31	6 39	1 32	21 51	0 41	21 15	0 6	4 20	1 28	23 5	6 55	18 32	18 25	23 15	2 55	3 38	
W29	14 25	26 22	2 58	5 21	1 37	7 36	1 28	10 58	1 32	6 36	1 32	21 52	0 41	21 15	0 6	4 21	1 28	23 4	6 55	18 34	18 26	23 13	2 53	3 37	
T 30	14n44	24s51	2s 3	5n14	1s49	8n 3	1s27	10s42	1s33	6s34	1n32	21s52	0n41	21n16	0s 6	4n22	1s28	23n 4	6n55	18s35	18s26	23s11	2s51	3s37	

ASTRODIENST EPHEMERIS for the year 2195

geocentric

MAY 2195

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 36 3	10 ⁸ 45'21	24 ³ 34	17 ⁵ 53	25 ⁷ 31	6 ¹ 51	20 ⁰ R21	15 ⁰ R17	6 ¹ 27	14 ⁷ 34	14 ⁰ 29	6 ⁰ R40	7 ¹ 12	21 ³ 11	28 ⁰ R49	F 1
S 2	14 39 59	11 ⁰ 43'41	6 ¹ 22	18 ⁰ 13	26 ⁰ 45	7 ⁰ 36	20 ⁰ 14	15 ⁰ 16	6 ⁰ 31	14 ⁰ 36	14 ⁰ 29	6 ⁰ 40	7 ⁰ 9	21 ⁰ 18	28 ⁰ 46	S 2
S 3	14 43 56	12 ⁰ 42'00	18 ⁰ 15	18 ⁰ 37	27 ⁰ 59	8 ⁰ 21	20 ⁰ 8	15 ⁰ 16	6 ⁰ 34	14 ⁰ 38	14 ⁰ 29	6 ⁰ 40	7 ⁰ 6	21 ⁰ 24	28 ⁰ 43	S 3
M 4	14 47 53	13 ⁰ 40'17	0 ⁰ 18	19 ⁰ 5	29 ⁰ 13	9 ⁰ 5	20 ⁰ 1	15 ⁰ 15	6 ⁰ 37	14 ⁰ 40	14 ⁰ 30	6 ⁰ 39	7 ⁰ 3	21 ⁰ 31	28 ⁰ 41	M 4
T 5	14 51 49	14 ⁰ 38'32	12 ⁰ 36	19 ⁰ 38	0 ⁰ 26	9 ⁰ 50	19 ⁰ 55	15 ⁰ 14	6 ⁰ 40	14 ⁰ 42	14 ⁰ 30	6 ⁰ 36	6 ⁰ 59	21 ⁰ 38	28 ⁰ 39	T 5
W 6	14 55 46	15 ⁰ 36'45	25 ⁰ 13	20 ⁰ 14	1 ⁰ 40	10 ⁰ 34	19 ⁰ 48	15 ⁰ 13	6 ⁰ 44	14 ⁰ 44	14 ⁰ 30	6 ⁰ 31	6 ⁰ 56	21 ⁰ 44	28 ⁰ 36	W 6
T 7	14 59 42	16 ⁰ 34'58	8 ⁰ 14	20 ⁰ 55	2 ⁰ 54	11 ⁰ 19	19 ⁰ 42	15 ⁰ 11	6 ⁰ 47	14 ⁰ 46	14 ⁰ 30	6 ⁰ 24	6 ⁰ 53	21 ⁰ 51	28 ⁰ 34	T 7
F 8	15 3 39	17 ⁰ 33'08	21 ⁰ 39	21 ⁰ 39	4 ⁰ 8	12 ⁰ 3	19 ⁰ 36	15 ⁰ 10	6 ⁰ 50	14 ⁰ 48	14 ⁰ 31	6 ⁰ 14	6 ⁰ 50	21 ⁰ 58	28 ⁰ 32	F 8
S 9	15 7 35	18 ⁰ 31'18	5 ⁰ 28	22 ⁰ 26	5 ⁰ 21	12 ⁰ 48	19 ⁰ 30	15 ⁰ 9	6 ⁰ 54	14 ⁰ 50	14 ⁰ 31	6 ⁰ 2	6 ⁰ 47	22 ⁰ 4	28 ⁰ 30	S 9
S 10	15 11 32	19 ⁰ 29'25	19 ⁰ 37	23 ⁰ 17	6 ⁰ 35	13 ⁰ 32	19 ⁰ 24	15 ⁰ 7	6 ⁰ 57	14 ⁰ 52	14 ⁰ 31	5 ⁰ 51	6 ⁰ 44	22 ⁰ 11	28 ⁰ 28	S 10
M 11	15 15 28	20 ⁰ 27'31	4 ⁰ 11	24 ⁰ 12	7 ⁰ 49	14 ⁰ 17	19 ⁰ 18	15 ⁰ 6	7 ⁰ 1	14 ⁰ 54	14 ⁰ 32	5 ⁰ 40	6 ⁰ 40	22 ⁰ 18	28 ⁰ 26	M 11
T 12	15 19 25	21 ⁰ 25'36	18 ⁰ 35	25 ⁰ 9	9 ⁰ 3	15 ⁰ 1	19 ⁰ 13	15 ⁰ 4	7 ⁰ 4	14 ⁰ 56	14 ⁰ 32	5 ⁰ 32	6 ⁰ 37	22 ⁰ 24	28 ⁰ 25	T 12
W 13	15 23 22	22 ⁰ 23'38	3 ⁰ 11	26 ⁰ 9	10 ⁰ 16	15 ⁰ 46	19 ⁰ 7	15 ⁰ 2	7 ⁰ 7	14 ⁰ 58	14 ⁰ 32	5 ⁰ 26	6 ⁰ 34	22 ⁰ 31	28 ⁰ 23	W 13
T 14	15 27 18	23 ⁰ 21'39	17 ⁰ 42	27 ⁰ 13	11 ⁰ 30	16 ⁰ 30	19 ⁰ 2	15 ⁰ 1	7 ⁰ 11	15 ⁰ 0	14 ⁰ 33	5 ⁰ 23	6 ⁰ 31	22 ⁰ 38	28 ⁰ 22	T 14
F 15	15 31 15	24 ⁰ 19'38	2 ⁰ 15	28 ⁰ 19	12 ⁰ 44	17 ⁰ 15	18 ⁰ 57	14 ⁰ 59	7 ⁰ 14	15 ⁰ 2	14 ⁰ 33	5 ⁰ D22	6 ⁰ 28	22 ⁰ 44	28 ⁰ 21	F 15
S 16	15 35 11	25 ⁰ 17'35	16 ⁰ 17	29 ⁰ 28	13 ⁰ 58	17 ⁰ 59	18 ⁰ 52	14 ⁰ 57	7 ⁰ 18	15 ⁰ 3	14 ⁰ 34	5 ⁰ 22	6 ⁰ 24	22 ⁰ 51	28 ⁰ 19	S 16
S 17	15 39 8	26 ⁰ 15'30	0 ⁰ 16	0 ⁰ 39	15 ⁰ 11	18 ⁰ 43	18 ⁰ 47	14 ⁰ 55	7 ⁰ 21	15 ⁰ 5	14 ⁰ 34	5 ⁰ R22	6 ⁰ 21	22 ⁰ 57	28 ⁰ 18	S 17
M 18	15 43 4	27 ⁰ 13'24	14 ⁰ 2	1 ⁰ 54	16 ⁰ 25	19 ⁰ 28	18 ⁰ 42	14 ⁰ 52	7 ⁰ 25	15 ⁰ 7	14 ⁰ 35	5 ⁰ 21	6 ⁰ 18	23 ⁰ 4	28 ⁰ 17	M 18
T 19	15 47 1	28 ⁰ 11'15	27 ⁰ 37	3 ⁰ 10	17 ⁰ 39	20 ⁰ 12	18 ⁰ 37	14 ⁰ 50	7 ⁰ 28	15 ⁰ 9	14 ⁰ 36	5 ⁰ 17	6 ⁰ 15	23 ⁰ 11	28 ⁰ 16	T 19
W 20	15 50 57	29 ⁰ 9'05	11 ⁰ 11	4 ⁰ 29	18 ⁰ 52	20 ⁰ 56	18 ⁰ 33	14 ⁰ 48	7 ⁰ 32	15 ⁰ 11	14 ⁰ 36	5 ⁰ 12	6 ⁰ 12	23 ⁰ 17	28 ⁰ 16	W 20
T 21	15 54 54	0 ⁰ 11	24 ⁰ 10	5 ⁰ 51	20 ⁰ 6	21 ⁰ 40	18 ⁰ 29	14 ⁰ 45	7 ⁰ 35	15 ⁰ 12	14 ⁰ 37	5 ⁰ 3	6 ⁰ 9	23 ⁰ 24	28 ⁰ 15	T 21
F 22	15 58 51	1 ⁰ 4'40	7 ⁰ 11	7 ⁰ 15	21 ⁰ 20	22 ⁰ 25	18 ⁰ 24	14 ⁰ 43	7 ⁰ 39	15 ⁰ 14	14 ⁰ 38	4 ⁰ 53	6 ⁰ 5	23 ⁰ 31	28 ⁰ 14	F 22
S 23	16 2 47	2 ⁰ 2'25	19 ⁰ 56	8 ⁰ 42	22 ⁰ 33	23 ⁰ 9	18 ⁰ 20	14 ⁰ 40	7 ⁰ 42	15 ⁰ 16	14 ⁰ 38	4 ⁰ 42	6 ⁰ 2	23 ⁰ 37	28 ⁰ 14	S 23
S 24	16 6 44	3 ⁰ 0'08	2 ⁰ 11	10 ⁰ 10	23 ⁰ 47	23 ⁰ 53	18 ⁰ 17	14 ⁰ 38	7 ⁰ 46	15 ⁰ 17	14 ⁰ 39	4 ⁰ 31	5 ⁰ 59	23 ⁰ 44	28 ⁰ 14	S 24
M 25	16 10 40	3 ⁰ 57'51	14 ⁰ 51	11 ⁰ 41	25 ⁰ 1	24 ⁰ 37	18 ⁰ 13	14 ⁰ 35	7 ⁰ 49	15 ⁰ 19	14 ⁰ 40	4 ⁰ 22	5 ⁰ 56	23 ⁰ 51	28 ⁰ 13	M 25
T 26	16 14 37	4 ⁰ 55'32	27 ⁰ 1	13 ⁰ 15	26 ⁰ 14	25 ⁰ 21	18 ⁰ 9	14 ⁰ 32	7 ⁰ 53	15 ⁰ 21	14 ⁰ 40	4 ⁰ 14	5 ⁰ 53	23 ⁰ 57	28 ⁰ D13	T 26
W 27	16 18 33	5 ⁰ 53'12	9 ⁰ 11	14 ⁰ 51	27 ⁰ 28	26 ⁰ 5	18 ⁰ 6	14 ⁰ 29	7 ⁰ 56	15 ⁰ 22	14 ⁰ 41	4 ⁰ 8	5 ⁰ 50	24 ⁰ 4	28 ⁰ 13	W 27
T 28	16 22 30	6 ⁰ 50'51	20 ⁰ 52	16 ⁰ 29	28 ⁰ 42	26 ⁰ 49	18 ⁰ 3	14 ⁰ 26	8 ⁰ 0	15 ⁰ 24	14 ⁰ 42	4 ⁰ 5	5 ⁰ 46	24 ⁰ 11	28 ⁰ 14	T 28
F 29	16 26 27	7 ⁰ 48'28	2 ⁰ 11	18 ⁰ 9	29 ⁰ 55	27 ⁰ 33	18 ⁰ 0	14 ⁰ 23	8 ⁰ 3	15 ⁰ 26	14 ⁰ 43	4 ⁰ D 4	5 ⁰ 43	24 ⁰ 17	28 ⁰ 14	F 29
S 30	16 30 23	8 ⁰ 46'05	14 ⁰ 28	19 ⁰ 51	1 ⁰ 11	28 ⁰ 17	17 ⁰ 57	14 ⁰ 20	8 ⁰ 7	15 ⁰ 27	14 ⁰ 44	4 ⁰ 5	5 ⁰ 40	24 ⁰ 24	28 ⁰ 14	S 30
S 31	16 34 20	9 ⁰ 11'43	26 ⁰ 11	21 ⁰ 36	2 ⁰ 11	29 ⁰ 11	17 ⁰ 55	14 ⁰ 17	8 ⁰ 11	15 ⁰ 29	14 ⁰ 45	4 ⁰ 6	5 ⁰ 37	24 ⁰ 31	28 ⁰ 15	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	decl	lat
F 1	15n 2	22s14	1 s 4	5n 9	2s 0	8n31	1s27	10s26	1 s34	6s31	1n32	21s52	0n41	21n16	0s 6	4n23	1s28	23n 4	6n54	18s35	18s27	23s 9	2s50	3s36					
S 2	15 20	18 41	0 2	5 7	2 11	8 58	1 26	10 10	1 34	6 29	1 32	21 52	0 41	21 17	0 6	4 24	1 28	23 4	6 54	18 35	18 28	23 7	2 48	3 35					
S 3	15 38	14 23	1n 1	5 8	2 20	9 26	1 25	9 54	1 35	6 27	1 32	21 52	0 41	21 18	0 6	4 24	1 28	23 4	6 54	18 35	18 29	23 6	2 47	3 35					
M 4	15 56	9 27	2 2	5 10	2 29	9 53	1 24	9 38	1 36	6 24	1 32	21 52	0 41	21 18	0 5	4 25	1 28	23 4	6 54	18 36	18 30	23 4	2 45	3 34					
T 5	16 13	4 5	2 58	5 15	2 36	10 19	1 23	9 22	1 37	6 22	1 32	21 52	0 41	21 19	0 5	4 26	1 28	23 3	6 54	18 36	18 30	23 2	2 42	3 33					
W 6	16 30	1n35	3 47	5 23	2 43	10 46	1 22	9 6	1 37	6 20	1 31	21 52	0 41	21 19	0 5	4 27	1 28	23 3	6 54	18 37	18 31	23 0	2 43	3 33					
T 7	16 47	7 20	4 26	5 32	2 49	11 12	1 20	8 50	1 38	6 17	1 31	21 52	0 41	21 20	0 5	4 27	1 28	23 3	6 54	18 39	18 32	22 58	2 40	3 32					
F 8	17 3	12 56	4 52	5 43	2 55	11 38	1 19	8 33	1 39	6 15	1 31	21 53	0 41	21 20	0 5	4 28	1 28	23 3	6 54	18 42	18 33	22 56	2 39	3 31					
S 9	17 19	18 3	5 1	5 57	2 59	12 4	1 18	8 17	1 40	6 13	1 31	21 53	0 41	21 21	0 5	4 29	1 28	23 3	6 54	18 45	18 34	22 54	2 38	3 31					
S 10	17 35	22 19	4 53	6 12	3 3	12 30	1 17	8 1	1 40	6 11	1 31	21 53	0 41	21 22	0 5	4 30	1 28	23 2	6 53	18 47	18 34	22 52	2 36	3 30					
M11	17 51	25 17	4 26	6 29	3 6	12 55	1 15	7 44	1 41	6 9	1 30	21 53	0 41	21 22	0 5	4 30	1 28	23 2	6 53	18 50	18 35	22 50	2 35	3 29					
T 12	18 6	26 36	3 41	6 48	3 9	13 20	1 14	7 28	1 42	6 7	1 30	21 53	0 41	21 23	0 5	4 31	1 29	23 2	6 53	18 52	18 36	22 48	2 34	3 29					
W13	18 21	26 4	2 42	7 8	3 10	13 45	1 12	7 11	1 43	6 5	1 30	21 54	0 41	21 23	0 5	4 32	1 29	23 2	6 53	18 54	18 37	22 46	2 33	3 28					
T 14	18 36	23 46	1 32	7 30	3 11	14 9	1 11	6 54	1 43	6 3	1 30	21 54	0 41	21 24	0 5	4 32	1 29	23 1	6 53	18 54	18 38	22 44	2 31	3 27					
F 15	18 50	19 58	0 17	7 53	3 12	14 33	1 9	6 38	1 44	6 2	1 30	21 54	0 41	21 24	0 5	4 33	1 29	23 1	6 53	18 55	18 38	22 42	2 30	3 27					
S 16	19 4	15 1	0s58	8 17	3 11	14 56	1 7	6 21	1 45	6 0	1 30	21 54	0 41	21 25	0 5	4 34	1 29	23 1	6 53	18 55	18 39	22 41	2 29	3 26					
S 17	19 18	9 22	2 8	8 43	3 10	15 20	1 6	6 4	1 45	5 58	1 29	21 55	0 41	21 26	0 5	4 34	1 29	23 1	6 53	18 55	18 40	22 39	2 28	3 25					
M18	19 31	3 21	3 10	9 10	3 8	15 42	1 4	5 48	1 46	5 57	1 29	21 55	0 41	21 26	0 5	4 35	1 29	23 0	6 52	18 55	18 41	22 37	2 27	3 25					
T 19	19 44	2s44	4 1	9 38	3 6	16 5	1 2	5 31	1 47	5 55	1 29	21 55	0 41	21 27	0 5	4 36	1 29	23 0	6 52	18 56	18 42	22 35	2 26	3 24					
W20	19 57	8 35	4 37	10 8	3 3	16 27	1 0	5 14	1 47	5 54	1 29	21 55	0 41	21 27	0 5	4 36	1 29	23 0	6 52	18 57	18 42	22 33	2 25	3 23					
T 21	20 9	13 59	4 58	10 38	3 0	16 48	0 59	4 57	1 48	5 52	1 28	21 56	0 41	21 28	0 5	4 37	1 29	23 0	6 52	18 59	18 43	22 31	2 24	3 23					
F 22	20 21	18 39	5 3	11 9	2 55	17 10	0 57	4 40	1 49	5 51	1 28	21 56	0 41	21 29	0 5	4 38	1 29	22 59	6 52	19 1	18 44	22 29	2 23	3 22					
S 23	20 33	22 24	4 53	11 41	2 51	17 30	0 55	4 23	1 49	5 50	1 28	21 56	0 41	21 29	0 5	4 38	1 29	22 59	6 52	19 4	18 45	22 27	2 23	3 21					
S 24	20 44	25 1	4 28	12 14	2 45	17 51	0 53	4 7	1 50	5 48	1 28	21 57	0 40	21 30	0 5	4 39	1 29	22 59	6 52	19 7	18 45	22 25	2 22	3 21					
M25	20 55	26 24	3 52	12 48	2 40	18 11	0 51	3 50	1 51	5 47	1 28	21 57	0 40	21 30	0 5	4 39	1 29	22 58	6 52	19 9	18 46	22 23	2 21	3 20					
T 26	21 6	26 28	3 5	13 22	2 33	18 30	0 49	3 33	1 51	5 46	1 27	21 57	0 40	21 31	0 5	4 40	1 29	22 58	6 52	19 11	18 47	22 21	2 20	3 19					
W27	21 16	25 16	2 10	13 56	2 27	18 49	0 47	3 16	1 52	5 45	1 27	21 58	0 40	21 31	0 5	4 41	1 29	22 58	6 52	19 12	18 48	22 19	2 20	3 19					
T 28	21 26	22 57	1 10	14 31	2 19	19 7	0 45	2 59	1 52	5 44	1 27	21 58	0 40	21 32	0 5	4 41	1 29	22 57	6 51	19 13	18 49	22 17	2 19	3 18					
F 29	21 35	19 40	0 8	15 7	2 11	19 25	0 43	2 42	1 53	5 43	1 27	21 58	0 40	21 33	0 5	4 42	1 29	22 57	6 51	19 13	18 49	22 15	2 19	3 17					
S 30	21 44	15 35	0n56	15 42	2 3	19 43	0 40	2 25	1 54	5 42	1 26	21 59	0 40	21 33	0 5	4 42	1 29	22 57	6 51	19 13	18 50	22 13	2 18	3 16					
S 31	21n53	10s53	1n57	16n18	1s55	19n59	0s38	2s 8	1s54	5s42	1n26	21s59	0n40	21n34	0s 5	4n43	1s29	22n56	6n51	19s13	18s51	22s11	2s18	3s16					

ASTRODIENST EPHEMERIS for the year 2195

geocentric

JUNE 2195

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 38 16	10II41'16	8X23	23B24	3II36	29X45	17°R52	14°R14	8II14	15Y30	14Q46	4°R 7	5≈34	24B37	28M15	M 1
T 2	16 42 13	11°38'49	20°40	25°13	4°50	0Y29	17A50	14B10	8°17	15°32	14°46	4≈ 6	5°30	24°44	28°16	T 2
W 3	16 46 9	12°36'22	3Y17	27° 5	6° 4	1°13	17°48	14° 7	8°21	15°33	14°47	4° 4	5°27	24°50	28°17	W 3
T 4	16 50 6	13°33'55	16°18	28°58	7°17	1°57	17°46	14° 4	8°24	15°34	14°48	4° 0	5°24	24°57	28°18	T 4
F 5	16 54 2	14°31'26	29°46	0II55	8°31	2°40	17°44	14° 0	8°28	15°36	14°49	3°54	5°21	25° 4	28°19	F 5
S 6	16 57 59	15°28'57	13B41	2°53	9°45	3°24	17°42	13°57	8°31	15°37	14°50	3°47	5°18	25°10	28°20	S 6
S 7	17 1 55	16°26'27	28° 1	4°53	10°58	4° 8	17°41	13°53	8°35	15°38	14°51	3°39	5°15	25°17	28°21	S 7
M 8	17 5 52	17°23'56	12II41	6°55	12°12	4°51	17°40	13°49	8°38	15°40	14°53	3°33	5°11	25°24	28°23	M 8
T 9	17 9 49	18°21'24	27°34	8°59	13°26	5°35	17°39	13°45	8°42	15°41	14°54	3°27	5° 8	25°30	28°24	T 9
W10	17 13 45	19°18'51	12B32	11° 5	14°39	6°18	17°38	13°42	8°45	15°42	14°55	3°23	5° 5	25°37	28°26	W10
T 11	17 17 42	20°16'17	27°25	13°13	15°53	7° 2	17°37	13°38	8°49	15°44	14°56	3°D22	5° 2	25°44	28°27	T 11
F 12	17 21 38	21°13'43	12Q 7	15°21	17° 7	7°45	17°37	13°34	8°52	15°45	14°57	3°22	4°59	25°50	28°29	F 12
S 13	17 25 35	22°11'07	26°34	17°31	18°20	8°28	17°37	13°30	8°56	15°46	14°58	3°23	4°56	25°57	28°31	S 13
S 14	17 29 31	23° 8'29	10M42	19°42	19°34	9°11	17°D36	13°26	8°59	15°47	14°59	3°24	4°52	26° 4	28°33	S 14
M15	17 33 28	24° 5'51	24°30	21°54	20°48	9°54	17°37	13°22	9° 2	15°48	15° 1	3°R25	4°49	26°10	28°36	M15
T 16	17 37 25	25° 3'12	7A59	24° 6	22° 1	10°38	17°37	13°18	9° 6	15°49	15° 2	3°24	4°46	26°17	28°38	T 16
W17	17 41 21	26° 0'31	21°11	26°18	23°15	11°21	17°37	13°14	9° 9	15°50	15° 3	3°22	4°43	26°24	28°40	W17
T 18	17 45 18	26°57'50	4M 6	28°30	24°29	12° 3	17°38	13°10	9°13	15°51	15° 4	3°18	4°40	26°30	28°43	T 18
F 19	17 49 14	27°55'08	16°48	0B41	25°42	12°46	17°39	13° 6	9°16	15°52	15° 6	3°12	4°36	26°37	28°45	F 19
S 20	17 53 11	28°52'25	29°16	2°52	26°56	13°29	17°40	13° 2	9°19	15°53	15° 7	3° 7	4°33	26°43	28°48	S 20
S 21	17 57 7	29°49'42	11A34	5° 2	28°10	14°12	17°41	12°57	9°23	15°54	15° 8	3° 1	4°30	26°50	28°51	S 21
M22	18 1 4	0B46'58	23°41	7°11	29°24	14°55	17°42	12°53	9°26	15°55	15°10	2°56	4°27	26°57	28°54	M22
T 23	18 5 0	1°44'13	5B41	9°18	0B37	15°37	17°43	12°49	9°29	15°56	15°11	2°52	4°24	27° 3	28°57	T 23
W24	18 8 57	2°41'28	17°34	11°24	1°51	16°20	17°45	12°44	9°33	15°57	15°12	2°49	4°21	27°10	29° 0	W24
T 25	18 12 54	3°38'43	29°23	13°28	3° 5	17° 2	17°47	12°40	9°36	15°58	15°14	2°D48	4°17	27°17	29° 3	T 25
F 26	18 16 50	4°35'57	11≈10	15°31	4°18	17°44	17°49	12°36	9°39	15°58	15°15	2°49	4°14	27°23	29° 7	F 26
S 27	18 20 47	5°33'11	22°59	17°31	5°32	18°27	17°51	12°31	9°43	15°59	15°17	2°50	4°11	27°30	29°10	S 27
S 28	18 24 43	6°30'24	4X52	19°30	6°46	19° 9	17°53	12°27	9°46	16° 0	15°18	2°51	4° 8	27°37	29°14	S 28
M29	18 28 40	7°27'38	16°56	21°27	7°59	19°51	17°56	12°23	9°49	16° 0	15°20	2°53	4° 5	27°43	29°17	M29
T 30	18 32 36	8B24'51	29X13	23B21	9B13	20Y33	17A59	12B18	9II52	16Y 1	15Q21	2≈54	4≈ 2	27B50	29M21	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 2	5s44	2n54	16n54	1s46	20n16	0s36	1s51	1s55	5s41	1n26	21s59	0n40	21n34	0s 5	4n43	1s29	22n56	6n51	19s13	18s52	22s 8	2s17	3s15	
T 2	22 10	0 16	3 44	17 30	1 36	20 32	0 34	1 34	1 55	5 40	1 26	22 0	0 40	21 35	0 5	4 44	1 29	22 55	6 51	19 13	18 52	22 6	2 17	3 14	
W 3	22 17	5n21	4 25	18 5	1 26	20 47	0 32	1 17	1 56	5 40	1 25	22 0	0 40	21 35	0 5	4 44	1 29	22 55	6 51	19 13	18 53	22 4	2 17	3 14	
T 4	22 24	10 55	4 53	18 40	1 16	21 1	0 29	1 1	1 56	5 39	1 25	22 1	0 40	21 36	0 5	4 45	1 29	22 55	6 51	19 14	18 54	22 2	2 17	3 13	
F 5	22 31	16 10	5 7	19 15	1 6	21 16	0 27	0 44	1 57	5 39	1 25	22 1	0 40	21 36	0 5	4 45	1 29	22 54	6 51	19 16	18 55	22 0	2 16	3 12	
S 6	22 38	20 45	5 3	19 48	0 56	21 29	0 25	0 27	1 57	5 38	1 25	22 1	0 40	21 37	0 5	4 46	1 30	22 54	6 51	19 17	18 56	21 58	2 16	3 12	
S 7	22 44	24 15	4 41	20 21	0 45	21 42	0 22	0 10	1 58	5 38	1 24	22 2	0 40	21 38	0 5	4 46	1 30	22 53	6 50	19 19	18 56	21 56	2 16	3 11	
M 8	22 49	26 15	3 59	20 53	0 34	21 54	0 20	0n 7	1 59	5 38	1 24	22 2	0 40	21 38	0 5	4 47	1 30	22 53	6 50	19 21	18 57	21 54	2 16	3 10	
T 9	22 54	26 25	3 1	21 24	0 23	22 6	0 18	0 24	1 59	5 38	1 24	22 3	0 40	21 39	0 5	4 47	1 30	22 53	6 50	19 22	18 58	21 52	2 16	3 10	
W10	22 59	24 40	1 51	21 53	0 12	22 17	0 15	0 40	2 0	5 38	1 24	22 3	0 40	21 39	0 5	4 48	1 30	22 52	6 50	19 23	18 59	21 50	2 16	3 9	
T 11	23 4	21 11	0 32	22 20	0 1	22 27	0 13	0 57	2 0	5 38	1 23	22 4	0 40	21 40	0 5	4 48	1 30	22 52	6 50	19 23	18 59	21 48	2 16	3 8	
F 12	23 8	16 23	0s47	22 46	0n 9	22 37	0 11	1 14	2 0	5 38	1 23	22 4	0 40	21 40	0 5	4 48	1 30	22 51	6 50	19 23	19 0	21 46	2 16	3 8	
S 13	23 11	10 43	2 3	23 10	0 20	22 46	0 8	1 30	2 1	5 38	1 23	22 4	0 40	21 41	0 5	4 49	1 30	22 51	6 50	19 23	19 1	21 44	2 16	3 7	
S 14	23 14	4 38	3 9	23 31	0 30	22 55	0 6	1 47	2 1	5 38	1 22	22 5	0 40	21 41	0 5	4 49	1 30	22 51	6 50	19 22	19 2	21 42	2 16	3 6	
M15	23 17	1s32	4 2	23 50	0 40	23 2	0 3	2 3	2 2	5 38	1 22	22 5	0 39	21 42	0 5	4 50	1 30	22 50	6 50	19 22	19 2	21 39	2 17	3 6	
T 16	23 19	7 28	4 41	24 6	0 49	23 10	0 1	2 20	2 2	5 39	1 22	22 6	0 39	21 42	0 5	4 50	1 30	22 50	6 50	19 23	19 3	21 37	2 17	3 5	
W17	23 21	12 57	5 4	24 20	0 58	23 16	0n 1	2 36	2 3	5 39	1 22	22 6	0 39	21 43	0 5	4 50	1 30	22 49	6 50	19 23	19 4	21 35	2 17	3 4	
T 18	23 23	17 45	5 11	24 31	1 7	23 22	0 4	2 52	2 3	5 39	1 21	22 7	0 39	21 44	0 5	4 51	1 30	22 49	6 50	19 24	19 5	21 33	2 18	3 4	
F 19	23 24	21 40	5 3	24 40	1 15	23 27	0 6	3 9	2 3	5 40	1 21	22 7	0 39	21 44	0 5	4 51	1 30	22 48	6 50	19 25	19 5	21 31	2 18	3 3	
S 20	23 25	24 31	4 40	24 45	1 22	23 31	0 8	3 25	2 4	5 41	1 21	22 8	0 39	21 45	0 5	4 51	1 30	22 48	6 49	19 27	19 6	21 29	2 19	3 2	
S 21	23 25	26 11	4 4	24 48	1 29	23 35	0 11	3 41	2 4	5 41	1 21	22 8	0 39	21 45	0 5	4 52	1 30	22 47	6 49	19 28	19 7	21 27	2 19	3 2	
M22	23 25	26 33	3 18	24 48	1 35	23 38	0 13	3 57	2 5	5 42	1 20	22 9	0 39	21 46	0 5	4 52	1 30	22 47	6 49	19 29	19 8	21 24	2 20	3 1	
T 23	23 24	25 41	2 23	24 45	1 40	23 40	0 16	4 13	2 5	5 43	1 20	22 9	0 39	21 46	0 5	4 52	1 30	22 46	6 49	19 30	19 9	21 22	2 20	3 0	
W24	23 23	23 38	1 23	24 40	1 44	23 42	0 18	4 29	2 5	5 44	1 20	22 10	0 39	21 47	0 5	4 53	1 30	22 46	6 49	19 31	19 9	21 20	2 21	3 0	
T 25	23 22	20 34	0 19	24 32	1 48	23 43	0 20	4 45	2 6	5 45	1 20	22 10	0 39	21 47	0 5	4 53	1 31	22 46	6 49	19 31	19 10	21 18	2 22	2 59	
F 26	23 20	16 40	0n46	24 21	1 51	23 43	0 23	5 1	2 6	5 46	1 19	22 11	0 39	21 48	0 5	4 53	1 31	22 45	6 49	19 31	19 11	21 16	2 22	2 58	
S 27	23 18	12 8	1 49	24 8	1 53	23 43	0 25	5 17	2 6	5 47	1 19	22 11	0 39	21 48	0 5	4 53	1 31	22 45	6 49	19 30	19 12	21 14	2 23	2 58	
S 28	23 15	7 7	2 47	23 53	1 55	23 42	0 27	5 32	2 6	5 48	1 19	22 12	0 39	21 49	0 5	4 53	1 31	22 44	6 49	19 30	19 12	21 12	2 24	2 57	
M29	23 12	1 47	3 40	23 36	1 55	23 40	0 29	5 48	2 7	5 49	1 19	22 12	0 39	21 49	0 5	4 54	1 31	22 44	6 49	19 30	19 13	21 9	2 25	2 56	
T 30	23n 9	3n42	4n23	23n18	1n55	23n37	0n32	6n 3	2s 7	5s50	1n18	22s13	0n38	21n50	0s 5	4n54	1s31	22n43	6n49	19s29	19s14	21s 7	2s26	2s56	

ASTRODIENST EPHEMERIS for the year 2195

geocentric

JULY 2195

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 36 33	9 ⁵² 22'05	11 ¹⁷ 48	25 ⁵² 14	10 ⁵² 27	21 ¹⁷ 15	18 ⁴² 2	12 ¹² R14	9 ¹¹ 55	16 ¹⁷ 2	15 ⁰² 23	2 ¹⁰ R54	3 ⁴² 58	27 ³⁵ 57	29 ¹⁷ 25	W 1
T 2	18 40 29	10 ¹⁹ 18	24 ⁴⁶ 10	27 ⁴ 4	11 ⁴¹	21 ⁵⁷	18 ⁵ 5	12 ³ 9	9 ⁵⁹	16 ²	15 ²⁴	2 ⁴² 54	3 ⁵⁵	28 ³	29 ²⁹	T 2
F 3	18 44 26	11 ¹⁶ 32	8 ¹⁰ 10	28 ⁵²	12 ⁵⁴	22 ³⁸	18 ⁸ 8	12 ⁵	10 ²	16 ³	15 ²⁶	2 ⁵²	3 ⁵²	28 ¹⁰	29 ³³	F 3
S 4	18 48 23	12 ¹³ 46	22 ¹	0 ⁰² 39	14 ⁸	23 ²⁰	18 ¹¹	12 ¹	10 ⁵	16 ³	15 ²⁷	2 ⁵⁰	3 ⁴⁹	28 ¹⁷	29 ³⁷	S 4
S 5	18 52 19	13 ¹¹ 00	6 ¹¹ 19	2 ²³	15 ²²	24 ¹	18 ¹⁵	11 ⁵⁶	10 ⁸	16 ⁴	15 ²⁹	2 ⁴⁷	3 ⁴⁶	28 ²³	29 ⁴¹	S 5
M 6	18 56 16	14 ⁸ 14	21 ¹	4 ⁴	16 ³⁶	24 ⁴³	18 ¹⁸	11 ⁵²	10 ¹¹	16 ⁴	15 ³⁰	2 ⁴⁵	3 ⁴²	28 ³⁰	29 ⁴⁶	M 6
T 7	19 0 12	15 ⁵ 28	6 ⁵² 0	5 ⁴⁴	17 ⁵⁰	25 ²⁴	18 ²²	11 ⁴⁷	10 ¹⁴	16 ⁵	15 ³²	2 ⁴³	3 ³⁹	28 ³⁶	29 ⁵⁰	T 7
W 8	19 4 9	16 ² 43	21 ⁸	7 ²²	19 ³	26 ⁵	18 ²⁶	11 ⁴³	10 ¹⁷	16 ⁵	15 ³³	2 ⁴²	3 ³⁶	28 ⁴³	29 ⁵⁵	W 8
T 9	19 8 5	16 ⁵⁹ 57	6 ⁰² 17	8 ⁵⁷	20 ¹⁷	26 ⁴⁶	18 ³⁰	11 ³⁹	10 ²⁰	16 ⁵	15 ³⁵	2 ⁴² 42	3 ³³	28 ⁵⁰	29 ⁵⁹	T 9
F 10	19 12 2	17 ⁵⁷ 11	21 ¹⁶	10 ³⁰	21 ³¹	27 ²⁷	18 ³⁵	11 ³⁴	10 ²³	16 ⁶	15 ³⁷	2 ⁴²	3 ³⁰	28 ⁵⁶	0 ⁰⁴ 4	F 10
S 11	19 15 59	18 ⁵⁴ 24	5 ¹⁷ 59	12 ¹	22 ⁴⁵	28 ⁸	18 ³⁹	11 ³⁰	10 ²⁶	16 ⁶	15 ³⁸	2 ⁴³	3 ²⁷	29 ³	0 ⁹	S 11
S 12	19 19 55	19 ⁵¹ 38	20 ²¹	13 ³⁰	23 ⁵⁸	28 ⁴⁹	18 ⁴⁴	11 ²⁵	10 ²⁹	16 ⁶	15 ⁴⁰	2 ⁴⁴	3 ²³	29 ¹⁰	0 ¹⁴	S 12
M13	19 23 52	20 ⁴⁸ 51	4 ⁴² 18	14 ⁵⁷	25 ¹²	29 ³⁰	18 ⁴⁹	11 ²¹	10 ³²	16 ⁷	15 ⁴²	2 ⁴⁵	3 ²⁰	29 ¹⁶	0 ¹⁹	M13
T 14	19 27 48	21 ⁴⁶ 05	17 ⁵¹	16 ²¹	26 ²⁶	0 ⁰⁸ 10	18 ⁵⁴	11 ¹⁷	10 ³⁵	16 ⁷	15 ⁴³	2 ⁴⁵	3 ¹⁷	29 ²³	0 ²⁴	T 14
W15	19 31 45	22 ⁴³ 18	1 ¹¹ 1	17 ⁴³	27 ⁴⁰	0 ⁵⁰	18 ⁵⁹	11 ¹³	10 ³⁷	16 ⁷	15 ⁴⁵	2 ⁴⁵	3 ¹⁴	29 ³⁰	0 ²⁹	W15
T 16	19 35 41	23 ⁴⁰ 31	13 ⁵⁰	19 ³	28 ⁵⁴	1 ³⁰	19 ⁴	11 ⁸	10 ⁴⁰	16 ⁷	15 ⁴⁷	2 ⁴⁵	3 ¹¹	29 ³⁶	0 ³⁴	T 16
F 17	19 39 38	24 ³⁷ 44	26 ²¹	20 ²¹	0 ⁰² 8	2 ¹¹	19 ¹⁰	11 ⁴	10 ⁴³	16 ⁷	15 ⁴⁸	2 ⁴⁴	3 ⁸	29 ⁴³	0 ³⁹	F 17
S 18	19 43 34	25 ³⁴ 58	8 ⁴⁷ 38	21 ³⁵	1 ²¹	2 ⁵⁰	19 ¹⁵	11 ⁰	10 ⁴⁶	16 ⁷	15 ⁵⁰	2 ⁴³	3 ⁴	29 ⁵⁰	0 ⁴⁵	S 18
S 19	19 47 31	26 ³² 11	20 ⁴⁴	22 ⁴⁸	2 ³⁵	3 ³⁰	19 ²¹	10 ⁵⁶	10 ⁴⁸	16 ⁷	15 ⁵²	2 ⁴²	3 ¹	29 ⁵⁶	0 ⁵⁰	S 19
M20	19 51 28	27 ²⁹ 25	2 ³⁴ 42	23 ⁵⁸	3 ⁴⁹	4 ¹⁰	19 ²⁷	10 ⁵¹	10 ⁵¹	16 ⁷	15 ⁵³	2 ⁴¹	2 ⁵⁸	0 ⁴² 3	0 ⁵⁶	M20
T 21	19 55 24	28 ²⁶ 39	14 ³³	25 ⁵	5 ³	4 ⁴⁹	19 ³³	10 ⁴⁷	10 ⁵⁴	16 ⁷	15 ⁵⁵	2 ⁴¹	2 ⁵⁵	0 ¹⁰	1 ²	T 21
W22	19 59 21	29 ²³ 53	26 ²²	26 ¹⁰	6 ¹⁷	5 ²⁹	19 ³⁹	10 ⁴³	10 ⁵⁶	16 ⁷	15 ⁵⁷	2 ⁴¹	2 ⁵²	0 ¹⁶	1 ⁷	W22
T 23	20 3 17	0 ⁰² 21'07	8 ⁴² 10	27 ¹²	7 ³⁰	6 ⁸	19 ⁴⁵	10 ³⁹	10 ⁵⁹	16 ⁷	15 ⁵⁹	2 ⁴¹ D41	2 ⁴⁸	0 ²³	1 ¹³	T 23
F 24	20 7 14	1 ¹⁸ 22	19 ⁵⁹	28 ¹¹	8 ⁴⁴	6 ⁴⁷	19 ⁵²	10 ³⁵	11 ¹	16 ⁷	16 ⁰	2 ⁴¹	2 ⁴⁵	0 ²⁹	1 ¹⁹	F 24
S 25	20 11 10	2 ¹⁵ 38	1 ¹⁵ 52	29 ⁷	9 ⁵⁸	7 ²⁶	19 ⁵⁸	10 ³¹	11 ⁴	16 ⁷	16 ²	2 ⁴¹ R41	2 ⁴²	0 ³⁶	1 ²⁵	S 25
S 26	20 15 7	3 ¹² 54	13 ⁵¹	29 ⁵⁹	11 ¹²	8 ⁵	20 ⁵	10 ²⁷	11 ⁶	16 ⁷	16 ⁴	2 ⁴¹	2 ³⁹	0 ⁴³	1 ³¹	S 26
M27	20 19 3	4 ¹⁰ 11	26 ⁰	0 ⁰⁷ 49	12 ²⁶	8 ⁴³	20 ¹²	10 ²⁴	11 ⁹	16 ⁶	16 ⁶	2 ⁴¹	2 ³⁶	0 ⁴⁹	1 ³⁷	M27
T 28	20 23 0	5 ⁷ 29	8 ¹⁷ 21	1 ³⁵	13 ⁴⁰	9 ²²	20 ¹⁹	10 ²⁰	11 ¹¹	16 ⁶	16 ⁷	2 ⁴¹	2 ³³	0 ⁵⁶	1 ⁴³	T 28
W29	20 26 57	6 ⁴ 48	20 ⁵⁸	2 ¹⁸	14 ⁵⁴	10 ⁰	20 ²⁶	10 ¹⁶	11 ¹⁴	16 ⁶	16 ⁹	2 ⁴⁰	2 ²⁹	1 ³	1 ⁵⁰	W29
T 30	20 30 53	7 ² 07	3 ⁰⁸ 54	2 ⁵⁷	16 ⁷	10 ³⁸	20 ³³	10 ¹²	11 ¹⁶	16 ⁵	16 ¹¹	2 ⁴⁰ D40	2 ²⁶	1 ⁹	1 ⁵⁶	T 30
F 31	20 34 50	7 ⁰² 59'28	17 ¹⁸ 12	3 ¹⁷ 32	17 ⁰² 21	11 ¹⁸ 16	20 ⁴⁰ 40	10 ¹³ 9	11 ¹¹ 18	16 ¹⁷ 5	16 ⁰² 13	2 ⁴² 40	2 ⁴² 23	1 ⁴² 16	2 ⁴² 2	F 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
W 1	23n 5	9n11	4n54	22n57	1n55	23n34	0n34	6n19	2s 7	5s52	1n18	22s13	0n38	21n50	0s 5	4n54	1s31	22n43	6n49	19s29	19s15	21s 5	2s27	2s55					
T 2	23 1	14 25	5 12	22 35	1 53	23 30	0 36	6 34	2 8	5 53	1 18	22 13	0 38	21 50	0 5	4 54	1 31	22 42	6 49	19 30	19 15	21 3	2 28	2 55					
F 3	22 56	19 10	5 14	22 11	1 51	23 25	0 38	6 49	2 8	5 55	1 17	22 14	0 38	21 51	0 5	4 54	1 31	22 42	6 49	19 30	19 16	21 1	2 29	2 54					
S 4	22 51	23 3	4 58	21 46	1 49	23 20	0 40	7 4	2 8	5 56	1 17	22 14	0 38	21 51	0 5	4 55	1 31	22 41	6 49	19 30	19 17	20 58	2 30	2 53					
S 5	22 46	25 40	4 23	21 19	1 45	23 14	0 42	7 19	2 8	5 58	1 17	22 15	0 38	21 52	0 5	4 55	1 31	22 41	6 49	19 31	19 18	20 56	2 31	2 53					
M 6	22 40	26 37	3 31	20 52	1 41	23 7	0 44	7 34	2 8	5 59	1 17	22 15	0 38	21 52	0 5	4 55	1 31	22 40	6 49	19 32	19 18	20 54	2 32	2 52					
T 7	22 34	25 39	2 22	20 23	1 37	23 0	0 46	7 49	2 9	6 1	1 16	22 16	0 38	21 53	0 5	4 55	1 31	22 40	6 49	19 32	19 19	20 52	2 33	2 51					
W 8	22 27	22 48	1 4	19 53	1 32	22 52	0 48	8 4	2 9	6 3	1 16	22 16	0 38	21 53	0 5	4 55	1 31	22 39	6 49	19 32	19 20	20 50	2 35	2 51					
T 9	22 20	18 22	0s20	19 23	1 26	22 43	0 50	8 18	2 9	6 5	1 16	22 17	0 38	21 54	0 5	4 55	1 31	22 39	6 49	19 32	19 20	20 47	2 36	2 50					
F 10	22 13	12 48	1 41	18 52	1 20	22 33	0 52	8 33	2 9	6 6	1 16	22 17	0 38	21 54	0 5	4 55	1 31	22 38	6 49	19 32	19 21	20 45	2 37	2 50					
S 11	22 5	6 36	2 54	18 20	1 13	22 23	0 54	8 47	2 9	6 8	1 15	22 18	0 37	21 55	0 5	4 55	1 31	22 38	6 49	19 32	19 22	20 43	2 39	2 49					
S 12	21 57	0 14	3 54	17 48	1 6	22 13	0 56	9 2	2 9	6 10	1 15	22 18	0 37	21 55	0 5	4 55	1 31	22 37	6 49	19 32	19 23	20 41	2 40	2 48					
M13	21 48	5s58	4 39	17 16	0 58	22 1	0 58	9 16	2 9	6 12	1 15	22 19	0 37	21 55	0 5	4 55	1 32	22 37	6 49	19 32	19 23	20 38	2 41	2 48					
T 14	21 39	11 43	5 7	16 43	0 50	21 49	1 0	9 30	2 9	6 15	1 15	22 19	0 37	21 56	0 5	4 55	1 32	22 36	6 49	19 31	19 24	20 36	2 43	2 47					
W15	21 30	16 46	5 17	16 10	0 41	21 37	1 1	9 44	2 9	6 17	1 14	22 20	0 37	21 56	0 5	4 55	1 32	22 36	6 49	19 31	19 25	20 34	2 44	2 47					
T 16	21 21	20 55	5 11	15 37	0 32	21 23	1 3	9 58	2 10	6 19	1 14	22 20	0 37	21 57	0 5	4 55	1 32	22 35	6 49	19 32	19 26	20 32	2 46	2 46					
F 17	21 11	24 2	4 51	15 3	0 23	21 9	1 5	10 11	2 10	6 21	1 14	22 20	0 37	21 57	0 5	4 55	1 32	22 34	6 49	19 32	19 26	20 29	2 48	2 45					
S 18	21 0	25 57	4 17	14 30	0 13	20 55	1 6	10 25	2 10	6 23	1 14	22 21	0 37	21 57	0 5	4 55	1 32	22 34	6 49	19 32	19 27	20 27	2 49	2 45					
S 19	20 50	26 37	3 33	13 57	0 3	20 40	1 8	10 38	2 10	6 26	1 13	22 21	0 37	21 58	0 5	4 55	1 32	22 33	6 49	19 32	19 28	20 25	2 51	2 44					
M20	20 38	26 2	2 39	13 24	0s 7	20 24	1 9	10 52	2 10	6 28	1 13	22 22	0 37	21 58	0 5	4 55	1 32	22 33	6 49	19 32	19 29	20 23	2 52	2 44					
T 21	20 27	24 16	1 39	12 51	0 18	20 8	1 11	11 5	2 10	6 31	1 13	22 22	0 36	21 59	0 5	4 55	1 32	22 32	6 49	19 32	19 29	20 20	2 54	2 43					
W22	20 15	21 26	0 35	12 19	0 30	19 51	1 12	11 18	2 10	6 33	1 13	22 23	0 36	21 59	0 5	4 55	1 32	22 32	6 49	19 32	19 30	20 18	2 56	2 43					
T 23	20 3	17 43	0n30	11 47	0 41	19 33	1 13	11 31	2 9	6 36	1 13	22 23	0 36	21 59	0 5	4 55	1 32	22 31	6 49	19 32	19 31	20 16	2 58	2 42					
F 24	19 51	13 18	1 35	11 16	0 53	19 15	1 15	11 44	2 9	6 38	1 12	22 24	0 36	22 0	0 5	4 55	1 32	22 31	6 49	19 32	19 31	20 13	3 0	2 42					
S 25	19 38	8 23	2 35	10 46	1 5	18 57	1 16	11 56	2 9	6 41	1 12	22 24	0 36	22 0	0 5	4 55	1 32	22 30	6 49	19 32	19 32	20 11	3 2	2 41					
S 26	19 35	3 7	3 29	10 16	1 17	18 38	1 17	12 9	2 9	6 44	1 12	22 24	0 36	22 0	0 5	4 55	1 32	22 30	6 49	19 32	19 33	20 9	3 3	2 40					
M27	19 12	2n19	4 15	9 47	1 29	18 18	1 18	12 21	2 9	6 47	1 12	22 25	0 36	22 1	0 5	4 54	1 32	22 29	6 49	19 32	19 34	20 7	3 5	2 40					
T 28	18 58	7 44	4 50	9 19	1 42	17 58	1 19	12 34	2 9	6 49	1 11	22 25	0 36	22 1	0 5	4 54	1 32	22 29	6 49	19 33	19 34	20 4	3 7	2 39					
W29	18 44	12 58	5 11	8 52	1 55	17 38	1 20	12 46	2 9	6 52	1 11	22 26	0 36	22 1	0 5	4 54	1 32	22 28	6 49	19 33	19 35	20 2	3 9	2 39					
T 30	18 30	17 47	5 18	8 26	2 7	17 17	1 21	12 58	2 9	6 55	1 11	22 26	0 36	22 2	0 5	4 54	1 33	22 28	6 49	19 33	19 36	20 0	3 11	2 38					
F 31	18n15	21n52	5n 8	8n 1	2s20	16n55	1n22	13n10	2s 8	6s58	1n11	22s26	0n35	22n 2	0s 5	4n54	1s33	22n27	6n49	19s33	19s37	19s57	3s13	2s38					

ASTRODIENST EPHEMERIS for the year 2195
geocentric

AUGUST 2195

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	20 38 46	8♌56°50	0♊55	4♊3	18♌235	11♌54	20♌48	10°R 5	11♊20	16°R 5	16♌14	2♌41	2♌20	1♌23	2♌9	S 1
S 2	20 42 43	9°54'13	15° 2	4°30	19°49	12°32	20°55	10♌1	11°23	16°V 4	16°16	2°41	2°17	1°29	2°16	S 2
M 3	20 46 39	10°51'36	29°33	4°53	21° 3	13° 9	21° 3	9°58	11°25	16° 4	16°18	2°42	2°13	1°36	2°22	M 3
T 4	20 50 36	11°49'01	14♌24	5°11	22°17	13°46	21°11	9°55	11°27	16° 3	16°20	2°42	2°10	1°43	2°29	T 4
W 5	20 54 32	12°46'27	29°28	5°24	23°31	14°23	21°19	9°51	11°29	16° 3	16°22	2°R43	2° 7	1°49	2°36	W 5
T 6	20 58 29	13°43'54	14♌38	5°32	24°45	15° 0	21°27	9°48	11°31	16° 2	16°23	2°42	2° 4	1°56	2°42	T 6
F 7	21 2 26	14°41'22	29°44	5°R36	25°59	15°37	21°35	9°45	11°33	16° 2	16°25	2°42	2° 1	2° 2	2°49	F 7
S 8	21 6 22	15°38'50	14♊37	5°34	27°13	16°13	21°43	9°42	11°35	16° 1	16°27	2°40	1°58	2° 9	2°56	S 8
S 9	21 10 19	16°36'19	29° 9	5°27	28°27	16°49	21°52	9°38	11°37	16° 0	16°29	2°39	1°54	2°16	3° 3	S 9
M10	21 14 15	17°33'49	13♌17	5°14	29°40	17°25	22° 0	9°35	11°39	16° 0	16°31	2°37	1°51	2°22	3°10	M10
T 11	21 18 12	18°31'20	26°58	4°56	0♊54	18° 1	22° 9	9°32	11°41	15°59	16°32	2°36	1°48	2°29	3°18	T 11
W12	21 22 8	19°28'51	10♌11	4°33	2° 8	18°36	22°18	9°30	11°43	15°58	16°34	2°35	1°45	2°36	3°25	W12
T 13	21 26 5	20°26'23	23° 1	4° 5	3°22	19°12	22°27	9°27	11°44	15°58	16°36	2°D34	1°42	2°42	3°32	T 13
F 14	21 30 1	21°23'57	5♌29	3°32	4°36	19°47	22°36	9°24	11°46	15°57	16°38	2°35	1°39	2°49	3°39	F 14
S 15	21 33 58	22°21'31	17°41	2°55	5°50	20°21	22°45	9°21	11°48	15°56	16°40	2°36	1°35	2°56	3°47	S 15
S 16	21 37 55	23°19'06	29°41	2°14	7° 4	20°56	22°54	9°19	11°49	15°55	16°41	2°38	1°32	3° 2	3°54	S 16
M17	21 41 51	24°16'42	11♌33	1°29	8°18	21°30	23° 3	9°16	11°51	15°54	16°43	2°39	1°29	3° 9	4° 2	M17
T 18	21 45 48	25°14'19	23°21	0°41	9°32	22° 4	23°13	9°14	11°52	15°53	16°45	2°40	1°26	3°16	4° 9	T 18
W19	21 49 44	26°11'57	5♌9	29♌51	10°46	22°38	23°22	9°12	11°54	15°53	16°47	2°R41	1°23	3°22	4°17	W19
T 20	21 53 41	27° 9'36	16°58	29° 0	12° 0	23°12	23°32	9° 9	11°55	15°52	16°48	2°40	1°19	3°29	4°24	T 20
F 21	21 57 37	28° 7'16	28°53	28° 9	13°14	23°45	23°41	9° 7	11°57	15°51	16°50	2°38	1°16	3°36	4°32	F 21
S 22	22 1 34	29° 4'58	10♌55	27°19	14°27	24°18	23°51	9° 5	11°58	15°50	16°52	2°35	1°13	3°42	4°40	S 22
S 23	22 5 30	0♊2'41	23° 5	26°31	15°41	24°50	24° 1	9° 3	11°59	15°49	16°54	2°30	1°10	3°49	4°47	S 23
M24	22 9 27	1° 0'25	5♌25	25°45	16°55	25°23	24°11	9° 1	12° 1	15°48	16°56	2°26	1° 7	3°55	4°55	M24
T 25	22 13 24	1°58'11	17°57	25° 4	18° 9	25°55	24°21	9° 0	12° 2	15°46	16°57	2°21	1° 4	4° 2	5° 3	T 25
W26	22 17 20	2°55'59	0♌43	24°27	19°23	26°27	24°31	8°58	12° 3	15°45	16°59	2°17	1° 0	4° 9	5°11	W26
T 27	22 21 17	3°53'48	13°43	23°56	20°37	26°58	24°41	8°56	12° 4	15°44	17° 1	2°14	0°57	4°15	5°19	T 27
F 28	22 25 13	4°51'39	27° 1	23°31	21°51	27°30	24°52	8°55	12° 5	15°43	17° 3	2°13	0°54	4°22	5°27	F 28
S 29	22 29 10	5°49'32	10♊37	23°13	23° 5	28° 1	25° 2	8°53	12° 6	15°42	17° 4	2°D12	0°51	4°29	5°35	S 29
S 30	22 33 6	6°47'27	24°33	23° 2	24°19	28°31	25°13	8°52	12° 7	15°41	17° 6	2°13	0°48	4°35	5°43	S 30
M31	22 37 3	7♊45'23	8♌48	22°D59	25♊32	29♌1	25♌23	8♌51	12♊8	15°V39	17♌8	2♌15	0♌45	4♌42	5♌51	M31

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
S 1	18n 0	24n53	4n40	7n38	2s33	16n33	1n23	13n21	2s 8	7s 1	1n11	22s27	0n35	22n 2	0s 5	4n54	1s33	22n27	6n49	19s33	19s37	19s55	3s16	2s37	
S 2	17 45	26 28	3 55	7 16	2 46	16 11	1 24	13 33	2 8	7 4	1 10	22 27	0 35	22 3	0 5	4 53	1 33	22 26	6 49	19 32	19 38	19 53	3 18	2 37	
M 3	17 29	26 19	2 54	6 56	2 58	15 48	1 24	13 44	2 8	7 7	1 10	22 28	0 35	22 3	0 5	4 53	1 33	22 26	6 49	19 32	19 39	19 50	3 20	2 36	
T 4	17 14	24 18	1 40	6 38	3 11	15 24	1 25	13 56	2 8	7 10	1 10	22 28	0 35	22 3	0 5	4 53	1 33	22 25	6 49	19 32	19 39	19 48	3 22	2 36	
W 5	16 58	20 32	0 18	6 22	3 23	15 1	1 25	14 7	2 7	7 14	1 10	22 28	0 35	22 3	0 5	4 53	1 33	22 25	6 49	19 32	19 40	19 46	3 24	2 35	
T 6	16 41	15 23	1s 6	6 8	3 35	14 37	1 26	14 18	2 7	7 17	1 10	22 29	0 35	22 4	0 5	4 52	1 33	22 24	6 49	19 32	19 41	19 43	3 27	2 35	
F 7	16 25	9 18	2 24	5 56	3 46	14 12	1 26	14 28	2 7	7 20	1 9	22 29	0 35	22 4	0 5	4 52	1 33	22 24	6 49	19 32	19 42	19 41	3 29	2 34	
S 8	16 8	2 47	3 32	5 47	3 57	13 47	1 27	14 39	2 6	7 23	1 9	22 29	0 34	22 4	0 5	4 52	1 33	22 23	6 49	19 33	19 42	19 39	3 31	2 34	
S 9	15 51	3s42	4 24	5 40	4 8	13 22	1 27	14 50	2 6	7 27	1 9	22 30	0 34	22 5	0 5	4 52	1 33	22 23	6 49	19 33	19 43	19 36	3 33	2 33	
M10	15 33	9 49	4 59	5 35	4 17	12 56	1 27	15 0	2 6	7 30	1 9	22 30	0 34	22 5	0 5	4 51	1 33	22 22	6 50	19 33	19 44	19 34	3 36	2 33	
T 11	15 16	15 16	5 15	5 34	4 26	12 30	1 27	15 10	2 5	7 33	1 8	22 30	0 34	22 5	0 5	4 51	1 33	22 22	6 50	19 34	19 44	19 32	3 38	2 32	
W12	14 58	19 49	5 14	5 35	4 33	12 4	1 28	15 20	2 5	7 37	1 8	22 31	0 34	22 5	0 5	4 51	1 33	22 21	6 50	19 34	19 45	19 29	3 41	2 32	
T 13	14 40	23 17	4 57	5 39	4 39	11 37	1 28	15 30	2 5	7 40	1 8	22 31	0 34	22 6	0 5	4 50	1 33	22 21	6 50	19 34	19 46	19 27	3 43	2 31	
F 14	14 21	25 33	4 26	5 46	4 44	11 10	1 28	15 40	2 4	7 44	1 8	22 31	0 34	22 6	0 5	4 50	1 33	22 20	6 50	19 34	19 46	19 24	3 46	2 31	
S 15	14 3	26 33	3 44	5 56	4 48	10 43	1 27	15 50	2 4	7 47	1 8	22 32	0 34	22 6	0 5	4 50	1 33	22 20	6 50	19 34	19 47	19 22	3 48	2 30	
S 16	13 44	26 17	2 52	6 9	4 50	10 16	1 27	15 59	2 3	7 51	1 8	22 32	0 33	22 6	0 5	4 49	1 33	22 19	6 50	19 33	19 48	19 20	3 51	2 30	
M17	13 25	24 48	1 54	6 25	4 50	9 48	1 27	16 9	2 3	7 55	1 7	22 32	0 33	22 6	0 5	4 49	1 33	22 19	6 50	19 33	19 49	19 17	3 53	2 29	
T 18	13 6	22 14	0 51	6 43	4 49	9 20	1 27	16 18	2 2	7 58	1 7	22 32	0 33	22 7	0 5	4 48	1 33	22 19	6 50	19 33	19 49	19 15	3 56	2 29	
W19	12 46	18 45	0n14	7 3	4 45	8 51	1 26	16 27	2 2	8 2	1 7	22 33	0 33	22 7	0 5	4 48	1 34	22 18	6 50	19 32	19 50	19 12	3 58	2 29	
T 20	12 27	14 30	1 18	7 26	4 40	8 23	1 26	16 36	2 1	8 6	1 7	22 33	0 33	22 7	0 5	4 48	1 34	22 18	6 50	19 33	19 51	19 10	4 1	2 28	
F 21	12 7	9 40	2 19	7 50	4 33	7 54	1 26	16 44	2 1	8 9	1 7	22 33	0 33	22 7	0 5	4 47	1 34	22 17	6 51	19 33	19 51	19 8	4 4	2 28	
S 22	11 47	4 28	3 15	8 16	4 24	7 25	1 25	16 53	2 0	8 13	1 6	22 34	0 33	22 7	0 5	4 47	1 34	22 17	6 51	19 34	19 52	19 5	4 6	2 27	
S 23	11 27	0n58	4 2	8 42	4 13	6 56	1 24	17 1	2 0	8 17	1 6	22 34	0 33	22 8	0 5	4 46	1 34	22 16	6 51	19 35	19 53	19 3	4 9	2 27	
M24	11 6	6 25	4 39	9 9	4 0	6 27	1 24	17 10	1 59	8 21	1 6	22 34	0 32	22 8	0 5	4 46	1 34	22 16	6 51	19 36	19 53	19 0	4 12	2 26	
T 25	10 46	11 42	5 3	9 36	3 46	5 57	1 23	17 18	1 58	8 24	1 6	22 34	0 32	22 8	0 5	4 45	1 34	22 15	6 51	19 37	19 54	18 58	4 14	2 26	
W26	10 25	16 35	5 13	10 2	3 31	5 27	1 22	17 26	1 58	8 28	1 6	22 35	0 32	22 8	0 5	4 45	1 34	22 15	6 51	19 38	19 55	18 56	4 17	2 26	
T 27	10 4	20 49	5 7	10 28	3 15	4 58	1 21	17 34	1 57	8 32	1 6	22 35	0 32	22 8	0 5	4 45	1 34	22 15	6 51	19 39	19 56	18 53	4 20	2 25	
F 28	9 43	24 5	4 44	10 52	2 58	4 28	1 20	17 42	1 56	8 36	1 5	22 35	0 32	22 8	0 5	4 44	1 34	22 14	6 51	19 39	19 56	18 51	4 23	2 25	
S 29	9 22	26 4	4 5	11 15	2 40	3 57	1 19	17 49	1 56	8 40	1 5	22 35	0 32	22 9	0 5	4 44	1 34	22 14	6 51	19 39	19 57	18 48	4 25	2 24	
S 30	9 1	26 29	3 11	11 35	2 22	3 27	1 18	17 57	1 55	8 44	1 5	22 35	0 32	22 9	0 5	4 43	1 34	22 13	6 52	19 39	19 58	18 46	4 28	2 24	
M31	8n39	25n12	2n 5	11n54	2s 3	2n57	1n17	18n 4	1s54	8s48	1n 5	22s36	0n32	22n 9	0s 5	4n43	1s34	22n13	6n52	19s38	19s58	18s43	4s31	2s23	

ASTRODIENST EPHEMERIS for the year 2195

geocentric

OCTOBER 2195

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 16	7♂55'33	2♂12	6♂27	3♂40	11♂4	1♂24	8♂59	12°R11	14°R53	17♂54	0°R26	29♂6	8♂8	10♂16	T 1
F 2	0 43 13	8°54'28	16°48	8°15	4°53	11°19	1°37	9°1	12♂10	14°Y52	17°56	0♂20	29°3	8°15	10°25	F 2
S 3	0 47 9	9°53'25	1♂19	10°2	6°7	11°33	1°49	9°3	12°10	14°50	17°57	0°11	29°0	8°21	10°34	S 3
S 4	0 51 6	10°52'24	15°40	11°49	7°21	11°46	2°2	9°5	12°9	14°48	17°58	0°1	28°56	8°28	10°42	S 4
M 5	0 55 2	11°51'25	29°43	13°34	8°34	11°58	2°14	9°7	12°8	14°47	17°59	29♂49	28°53	8°35	10°51	M 5
T 6	0 58 59	12°50'28	13♂25	15°19	9°48	12°10	2°27	9°10	12°7	14°45	18°1	29°38	28°50	8°41	11°0	T 6
W 7	1 2 55	13°49'33	26°42	17°2	11°1	12°21	2°40	9°12	12°6	14°43	18°2	29°29	28°47	8°48	11°9	W 7
T 8	1 6 52	14°48'40	9♂35	18°45	12°15	12°31	2°53	9°14	12°5	14°42	18°3	29°21	28°44	8°54	11°17	T 8
F 9	1 10 48	15°47'49	22°6	20°27	13°29	12°41	3°5	9°17	12°4	14°40	18°4	29°17	28°41	9°1	11°26	F 9
S 10	1 14 45	16°46'59	4♂19	22°8	14°42	12°50	3°18	9°19	12°3	14°38	18°5	29°15	28°37	9°8	11°35	S 10
S 11	1 18 42	17°46'11	16°18	23°49	15°56	12°58	3°31	9°22	12°2	14°37	18°6	29°D14	28°34	9°14	11°44	S 11
M12	1 22 38	18°45'25	28°8	25°29	17°9	13°5	3°44	9°25	12°1	14°35	18°7	29°R14	28°31	9°21	11°53	M12
T 13	1 26 35	19°44'41	9♂56	27°7	18°23	13°11	3°57	9°28	11°59	14°33	18°8	29°14	28°28	9°28	12°1	T 13
W14	1 30 31	20°43'58	21°46	28°45	19°36	13°17	4°9	9°31	11°58	14°32	18°9	29°12	28°25	9°34	12°10	W14
T 15	1 34 28	21°43'18	3♂44	0♂23	20°50	13°22	4°22	9°34	11°57	14°30	18°10	29°8	28°22	9°41	12°19	T 15
F 16	1 38 24	22°42'39	15°53	1°59	22°3	13°26	4°35	9°37	11°55	14°28	18°11	29°1	28°18	9°48	12°27	F 16
S 17	1 42 21	23°42'01	28°17	3°35	23°17	13°29	4°48	9°40	11°54	14°27	18°12	28°51	28°15	9°54	12°36	S 17
S 18	1 46 17	24°41'26	10°Y57	5°11	24°30	13°31	5°1	9°43	11°52	14°25	18°13	28°39	28°12	10°1	12°45	S 18
M19	1 50 14	25°40'53	23°54	6°45	25°43	13°32	5°14	9°47	11°51	14°23	18°14	28°26	28°9	10°8	12°53	M19
T 20	1 54 11	26°40'22	7♂6	8°19	26°57	13°R33	5°27	9°50	11°49	14°22	18°14	28°13	28°6	10°14	13°2	T 20
W21	1 58 7	27°39'53	20°32	9°52	28°10	13°33	5°40	9°54	11°48	14°20	18°15	28°1	28°2	10°21	13°11	W21
T 22	2 2 4	28°39'26	4♂9	11°25	29°24	13°32	5°53	9°57	11°46	14°19	18°16	27°51	27°59	10°28	13°19	T 22
F 23	2 6 0	29°39'01	17°55	12°57	0♂37	13°29	6°6	10°1	11°45	14°17	18°17	27°44	27°56	10°34	13°28	F 23
S 24	2 9 57	0♂38'39	1♂48	14°29	1°50	13°26	6°19	10°5	11°43	14°15	18°18	27°40	27°53	10°41	13°37	S 24
S 25	2 13 53	1°38'19	15°46	15°59	3°3	13°23	6°32	10°9	11°41	14°14	18°18	27°39	27°50	10°47	13°45	S 25
M26	2 17 50	2°38'01	29°48	17°30	4°17	13°18	6°45	10°13	11°39	14°12	18°19	27°39	27°47	10°54	13°54	M26
T 27	2 21 46	3°37'45	13♂54	18°59	5°30	13°12	6°58	10°17	11°38	14°11	18°20	27°38	27°43	11°1	14°2	T 27
W28	2 25 43	4°37'32	28°3	20°28	6°43	13°5	7°12	10°21	11°36	14°9	18°20	27°37	27°40	11°7	14°11	W28
T 29	2 29 40	5°37'21	12♂13	21°57	7°57	12°58	7°25	10°25	11°34	14°8	18°21	27°33	27°37	11°14	14°19	T 29
F 30	2 33 36	6°37'12	26°23	23°24	9°10	12°50	7°38	10°29	11°32	14°6	18°21	27°26	27°34	11°21	14°27	F 30
S 31	2 37 33	7♂37'05	10♂28	24♂52	10♂23	12♂40	7♂51	10♂33	11♂30	14°Y5	18♂22	27♂17	27♂31	11♂27	14♂36	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s 8	8n11	2s40	1s13	1n27	12s31	0n14	20n49	1s17	11s 0	1n 1	22s39	0n28	22n 9	0s 4	4n24
F 2	3 32	1 50	3 40	2 0	1 23	12 58	0 11	20 52	1 15	11 4	1 1	22 39	0 28	22 9	0 4	4 23
S 3	3 55	4s35	4 25	2 47	1 17	13 25	0 8	20 56	1 13	11 8	1 1	22 39	0 27	22 9	0 4	4 23
S 4	4 18	10 39	4 53	3 33	1 12	13 52	0 6	20 59	1 12	11 13	1 1	22 39	0 27	22 9	0 4	4 22
M 5	4 41	16 4	5 2	4 20	1 7	14 18	0 3	21 3	1 10	11 17	1 1	22 39	0 27	22 9	0 4	4 22
T 6	5 4	20 31	4 53	5 5	1 1	14 44	0s 0	21 6	1 8	11 22	1 1	22 39	0 27	22 9	0 4	4 21
W 7	5 27	23 46	4 29	5 51	0 55	15 10	0 3	21 10	1 6	11 26	1 1	22 39	0 27	22 9	0 4	4 20
T 8	5 50	25 41	3 51	6 36	0 48	15 35	0 6	21 13	1 4	11 31	1 1	22 39	0 27	22 9	0 4	4 20
F 9	6 13	26 14	3 4	7 20	0 42	16 0	0 9	21 16	1 2	11 35	1 0	22 39	0 27	22 9	0 4	4 19
S 10	6 35	25 29	2 8	8 4	0 36	16 25	0 11	21 19	1 0	11 39	1 0	22 39	0 27	22 8	0 4	4 18
S 11	6 58	23 33	1 8	8 47	0 29	16 49	0 14	21 22	0 58	11 44	1 0	22 39	0 26	22 8	0 4	4 18
M12	7 20	20 37	0 6	9 30	0 22	17 13	0 17	21 25	0 56	11 48	1 0	22 39	0 26	22 8	0 4	4 17
T 13	7 43	16 50	0n56	10 12	0 16	17 36	0 20	21 28	0 54	11 53	1 0	22 39	0 26	22 8	0 4	4 16
W14	8 5	12 24	1 56	10 53	0 9	17 59	0 23	21 31	0 51	11 57	1 0	22 38	0 26	22 8	0 4	4 16
T 15	8 27	7 27	2 52	11 34	0 2	18 22	0 26	21 34	0 49	12 1	1 0	22 38	0 26	22 8	0 4	4 15
F 16	8 50	2 10	3 40	12 14	0s 5	18 44	0 29	21 37	0 47	12 6	1 0	22 38	0 26	22 7	0 4	4 14
S 17	9 11	3n17	4 19	12 53	0 12	19 5	0 32	21 39	0 45	12 10	1 0	22 38	0 26	22 7	0 4	4 14
S 18	9 33	8 43	4 46	13 32	0 19	19 26	0 35	21 42	0 42	12 14	1 0	22 38	0 26	22 7	0 4	4 13
M19	9 55	13 54	4 59	14 10	0 26	19 47	0 38	21 45	0 40	12 19	1 0	22 38	0 26	22 7	0 4	4 13
T 20	10 17	18 32	4 57	14 47	0 33	20 7	0 40	21 47	0 37	12 23	1 0	22 38	0 25	22 7	0 4	4 12
W21	10 18	22 29	4 38	15 23	0 40	20 26	0 43	21 50	0 35	12 28	1 0	22 38	0 25	22 6	0 4	4 11
T 22	10 59	24 56	4 3	15 59	0 46	20 45	0 46	21 52	0 32	12 32	1 0	22 37	0 25	22 6	0 4	4 11
F 23	11 20	26 5	3 13	16 33	0 53	21 4	0 49	21 54	0 30	12 36	1 0	22 37	0 25	22 6	0 4	4 10
S 24	11 41	25 36	2 12	17 7	1 0	21 21	0 52	21 57	0 27	12 41	1 0	22 37	0 25	22 6	0 4	4 9
S 25	12 2	23 31	1 2	17 40	1 6	21 39	0 55	21 59	0 24	12 45	0 59	22 37	0 25	22 6	0 4	4 9
M26	12 22	19 59	0s11	18 12	1 13	21 55	0 58	22 1	0 21	12 49	0 59	22 37	0 25	22 5	0 4	4 8
T 27	12 43	15 17	1 25	18 43	1 19	22 11	1 0	22 3	0 19	12 54	0 59	22 37	0 25	22 5	0 4	4 8
W28	13 3	9 44	2 33	19 13	1 26	22 27	1 3	22 5	0 16	12 58	0 59	22 36	0 24	22 5	0 4	4 7
T 29	13 23	3 42	3 32	19 43	1 32	22 42	1 6	22 7	0 13	13 2	0 59	22 36	0 24	22 5	0 4	4 7
F 30	13 43	2s31	4 18	20 11	1 38	22 56	1 9	22 9	0 10	13 6	0 59	22 36	0 24	22 4	0 4	4 6
S 31	14s 2	8s33	4s48	20s38	1s44	23s10	1s11	22n10	0s 7	13s11	0n59	22s36	0n24	22n 4	0s 4	4n 5

Julian Day Number = 2523040.5, Delta T = 158.90 sec
 Ecliptic obliquity = 23°24'55, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°28'33, Lahiri = 26°35'33

ASTRODIENST EPHEMERIS for the year 2195

geocentric

NOVEMBER 2195

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 29	8♉37°00	24♊24	26♉18	11♊36	12°R30	8♉ 4	10♊38	11°R28	14°R 3	18♉23	27°R 5	27♊28	11♊34	14♊44	S 1
M 2	2 45 26	9°36'58	8♉ 8	27°44	12°49	12♉19	8°17	10°42	11♉26	14°Y 2	18°23	26♊53	27°24	11°41	14°53	M 2
T 3	2 49 22	10°36'57	21°34	29° 9	14° 3	12° 7	8°30	10°47	11°24	14° 0	18°24	26°40	27°21	11°47	15° 1	T 3
W 4	2 53 19	11°36'58	4♊42	0♊33	15°16	11°55	8°43	10°52	11°22	13°59	18°24	26°30	27°18	11°54	15° 9	W 4
T 5	2 57 15	12°37'01	17°29	1°57	16°29	11°41	8°56	10°56	11°20	13°57	18°24	26°21	27°15	12° 1	15°17	T 5
F 6	3 1 12	13°37'05	29°57	3°20	17°42	11°27	9° 9	11° 1	11°18	13°56	18°25	26°16	27°12	12° 7	15°26	F 6
S 7	3 5 9	14°37'12	12♊ 8	4°42	18°55	11°12	9°23	11° 6	11°15	13°54	18°25	26°13	27° 8	12°14	15°34	S 7
S 8	3 9 5	15°37'20	24° 7	6° 3	20° 8	10°56	9°36	11°11	11°13	13°53	18°26	26°D12	27° 5	12°21	15°42	S 8
M 9	3 13 2	16°37'29	5♊57	7°22	21°21	10°39	9°49	11°16	11°11	13°52	18°26	26°12	27° 2	12°27	15°50	M 9
T 10	3 16 58	17°37'40	17°45	8°41	22°34	10°22	10° 2	11°21	11° 9	13°50	18°26	26°R12	26°59	12°34	15°58	T 10
W11	3 20 55	18°37'52	29°36	9°58	23°47	10° 4	10°15	11°26	11° 7	13°49	18°26	26°12	26°56	12°41	16° 6	W11
T 12	3 24 51	19°38'06	11♊35	11°14	25° 0	9°46	10°28	11°31	11° 4	13°48	18°27	26° 9	26°53	12°47	16°14	T 12
F 13	3 28 48	20°38'21	23°47	12°29	26°13	9°27	10°41	11°36	11° 2	13°47	18°27	26° 4	26°49	12°54	16°22	F 13
S 14	3 32 44	21°38'38	6♊16	13°41	27°26	9° 7	10°54	11°42	11° 0	13°45	18°27	25°57	26°46	13° 0	16°30	S 14
S 15	3 36 41	22°38'56	19° 6	14°52	28°39	8°47	11° 7	11°47	10°57	13°44	18°27	25°48	26°43	13° 7	16°37	S 15
M16	3 40 37	23°39'16	2♊16	16° 0	29°51	8°27	11°20	11°53	10°55	13°43	18°27	25°37	26°40	13°14	16°45	M16
T 17	3 44 34	24°39'38	15°48	17° 6	1♊ 4	8° 6	11°33	11°58	10°52	13°42	18°27	25°26	26°37	13°20	16°53	T 17
W18	3 48 31	25°40'01	29°37	18° 9	2°17	7°45	11°46	12° 4	10°50	13°41	18°27	25°16	26°34	13°27	17° 0	W18
T 19	3 52 27	26°40'26	13♊40	19° 9	3°30	7°23	11°59	12° 9	10°48	13°39	18°27	25° 8	26°30	13°34	17° 8	T 19
F 20	3 56 24	27°40'52	27°53	20° 5	4°42	7° 1	12°12	12°15	10°45	13°38	18°R27	25° 2	26°27	13°40	17°16	F 20
S 21	4 0 20	28°41'20	12♊11	20°57	5°55	6°39	12°24	12°21	10°43	13°37	18°27	25° 0	26°24	13°47	17°23	S 21
S 22	4 4 17	29°41'50	26°28	21°45	7° 7	6°17	12°37	12°26	10°40	13°36	18°27	24°D59	26°21	13°54	17°30	S 22
M23	4 8 13	0♊42'22	10♊43	22°28	8°20	5°55	12°50	12°32	10°38	13°35	18°27	24°59	26°18	14° 0	17°38	M23
T 24	4 12 10	1°42'56	24°53	23° 4	9°32	5°32	13° 3	12°38	10°35	13°34	18°27	25° 0	26°14	14° 7	17°45	T 24
W25	4 16 7	2°43'31	8♊57	23°34	10°45	5°10	13°16	12°44	10°33	13°33	18°27	25°R 0	26°11	14°14	17°52	W25
T 26	4 20 3	3°44'08	22°54	23°57	11°57	4°47	13°28	12°50	10°30	13°32	18°27	24°59	26° 8	14°20	18° 0	T 26
F 27	4 24 0	4°44'47	6♊43	24°12	13°10	4°25	13°41	12°56	10°28	13°31	18°27	24°55	26° 5	14°27	18° 7	F 27
S 28	4 27 56	5°45'27	20°23	24°R18	14°22	4° 3	13°54	13° 2	10°25	13°31	18°26	24°49	26° 2	14°34	18°14	S 28
S 29	4 31 53	6°46'09	3♉53	24°15	15°34	3°41	14° 6	13° 8	10°23	13°30	18°26	24°41	25°59	14°40	18°21	S 29
M30	4 35 49	7♊46'52	17♉10	24♊ 1	16♊47	3♉19	14♉19	13♊14	10♉20	13°Y29	18♉26	24♊32	25♊55	14♊47	18♊28	M30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14s22	14s 6	5s 0	21s 5	1s49	23s23	1s14	22n12	0s 4	13s15	0n59	22s35	0n24	22n 4	0s 4	S 1
M 2	14 41	18 51	4 55	21 30	1 55	23 35	1 17	22 14	0 1	13 19	0 59	22 35	0 24	22 4	0 4	M 2
T 3	15 0	22 32	4 33	21 54	2 0	23 46	1 19	22 15	0n 2	13 23	0 59	22 35	0 24	22 3	0 4	T 3
W 4	15 18	24 57	3 57	22 17	2 5	23 57	1 22	22 16	0 5	13 28	0 59	22 35	0 24	22 3	0 4	W 4
T 5	15 37	25 59	3 10	22 39	2 10	24 8	1 24	22 18	0 8	13 32	0 59	22 34	0 24	22 3	0 4	T 5
F 6	15 55	25 40	2 15	23 0	2 14	24 17	1 27	22 19	0 11	13 36	0 59	22 34	0 24	22 2	0 4	F 6
S 7	16 12	24 6	1 14	23 20	2 19	24 26	1 29	22 20	0 14	13 40	0 59	22 34	0 23	22 2	0 4	S 7
S 8	16 30	21 27	0 11	23 38	2 23	24 34	1 32	22 21	0 17	13 44	0 59	22 33	0 23	22 2	0 4	S 8
M 9	16 47	17 56	0n52	23 55	2 26	24 42	1 34	22 22	0 21	13 48	0 59	22 33	0 23	22 2	0 4	M 9
T 10	17 4	13 43	1 52	24 11	2 30	24 49	1 36	22 22	0 24	13 53	0 59	22 33	0 23	22 1	0 4	T 10
W11	17 21	8 59	2 48	24 26	2 33	24 55	1 39	22 23	0 27	13 57	0 59	22 32	0 23	22 1	0 4	W11
T 12	17 37	3 52	3 37	24 40	2 35	25 0	1 41	22 23	0 30	14 1	0 59	22 32	0 23	22 1	0 4	T 12
F 13	17 54	1n28	4 17	24 52	2 37	25 5	1 43	22 24	0 33	14 5	0 59	22 32	0 23	22 0	0 4	F 13
S 14	18 9	6 52	4 46	25 3	2 39	25 8	1 45	22 24	0 37	14 9	0 59	22 31	0 23	22 0	0 4	S 14
S 15	18 25	12 7	5 2	25 12	2 40	25 12	1 47	22 24	0 40	14 13	0 59	22 31	0 23	22 0	0 4	S 15
M16	18 40	16 58	5 2	25 20	2 40	25 14	1 49	22 24	0 43	14 17	0 59	22 31	0 23	21 59	0 4	M16
T 17	18 55	21 6	4 45	25 27	2 40	25 16	1 51	22 24	0 46	14 21	0 59	22 30	0 22	21 59	0 4	T 17
W18	19 9	24 8	4 12	25 32	2 39	25 17	1 53	22 23	0 49	14 25	0 59	22 30	0 22	21 59	0 4	W18
T 19	19 24	25 46	3 22	25 36	2 38	25 17	1 55	22 23	0 52	14 29	0 59	22 29	0 22	21 58	0 4	T 19
F 20	19 37	25 44	2 20	25 38	2 36	25 16	1 56	22 22	0 56	14 33	0 59	22 29	0 22	21 58	0 4	F 20
S 21	19 51	23 59	1 8	25 38	2 32	25 15	1 58	22 22	0 59	14 37	0 59	22 29	0 22	21 58	0 4	S 21
S 22	20 4	20 42	0s 8	25 37	2 28	25 13	2 0	22 21	1 2	14 40	0 59	22 28	0 22	21 57	0 4	S 22
M23	20 17	16 11	1 24	25 35	2 23	25 10	2 1	22 20	1 5	14 44	0 59	22 28	0 22	21 57	0 4	M23
T 24	20 29	10 48	2 34	25 31	2 17	25 7	2 3	22 19	1 8	14 48	0 59	22 27	0 22	21 57	0 4	T 24
W25	20 41	4 54	3 34	25 25	2 10	25 2	2 4	22 18	1 11	14 52	0 59	22 27	0 22	21 56	0 4	W25
T 26	20 53	1s11	4 21	25 17	2 1	24 57	2 5	22 17	1 13	14 56	0 59	22 26	0 22	21 56	0 4	T 26
F 27	21 4	7 8	4 52	25 8	1 51	24 52	2 6	22 15	1 16	15 0	0 59	22 26	0 21	21 56	0 4	F 27
S 28	21 15	12 41	5 6	24 57	1 39	24 45	2 7	22 14	1 19	15 3	0 59	22 25	0 21	21 55	0 4	S 28
S 29	21 25	17 33	5 3	24 44	1 27	24 38	2 8	22 12	1 22	15 7	0 59	22 25	0 21	21 55	0 4	S 29
M30	21s35	21s29	4s44	24s29	1s12	24s30	2s 9	22n11	1n25	15s11	0n59	22s24	0n21	21n55	0s 4	M30

Julian Day Number = 2523071.5, Delta T = 158.98 sec
 Ecliptic obliquity = 23°24'54, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°28'37, Lahiri = 26°35'38

ASTRODIENST EPHEMERIS for the year 2195

geocentric

DECEMBER 2195

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 39 46	8°47'38	0°14	23°R36	17°359	2°R57	14°M32	13°321	10°R18	13°R28	18°R26	24°R24	25°352	14°554	18°34	T 1	
W 2	4 43 42	9°48'24	13° 4	23°1	19°11	2°II36	14°44	13°27	10°II15	13°V27	18°R25	24°316	25°49	15° 0	18°41	W 2	
T 3	4 47 39	10°49'12	25°38	22°15	20°23	2°15	14°57	13°33	10°13	13°27	18°25	24°10	25°46	15° 7	18°48	T 3	
F 4	4 51 36	11°50'00	7°357	21°18	21°35	1°55	15° 9	13°40	10°10	13°26	18°24	24° 7	25°43	15°14	18°55	F 4	
S 5	4 55 32	12°50'50	20° 3	20°12	22°47	1°35	15°21	13°46	10° 8	13°25	18°24	24°D 5	25°40	15°20	19° 1	S 5	
S 6	4 59 29	13°51'41	2° 0	18°59	23°59	1°16	15°34	13°52	10° 5	13°25	18°24	24° 6	25°36	15°27	19° 8	S 6	
M 7	5 3 25	14°52'33	13°49	17°39	25°11	0°57	15°46	13°59	10° 2	13°24	18°23	24° 7	25°33	15°33	19°14	M 7	
T 8	5 7 22	15°53'25	25°37	16°17	26°23	0°39	15°58	14° 5	10° 0	13°23	18°23	24° 9	25°30	15°40	19°20	T 8	
W 9	5 11 18	16°54'18	7°36	14°54	27°34	0°21	16°10	14°12	9°57	13°23	18°22	24°10	25°27	15°47	19°27	W 9	
T 10	5 15 15	17°55'13	19°24	13°34	28°46	0° 4	16°23	14°18	9°55	13°22	18°22	24°R11	25°24	15°53	19°33	T 10	
F 11	5 19 11	18°56'07	1°V34	12°19	29°58	29°848	16°35	14°25	9°52	13°22	18°21	24°10	25°20	16° 0	19°39	F 11	
S 12	5 23 8	19°57'03	14° 3	11°11	1° 9	29°32	16°47	14°32	9°50	13°21	18°20	24° 7	25°17	16° 7	19°45	S 12	
S 13	5 27 5	20°57'59	26°52	10°12	2°21	29°18	16°59	14°38	9°47	13°21	18°20	24° 3	25°14	16°13	19°51	S 13	
M14	5 31 1	21°58'56	10°8 6	9°24	3°32	29° 3	17°11	14°45	9°45	13°21	18°19	23°58	25°11	16°20	19°57	M14	
T 15	5 34 58	22°59'54	23°46	8°47	4°43	28°50	17°22	14°52	9°43	13°20	18°18	23°53	25° 8	16°27	20° 3	T 15	
W16	5 38 54	24° 0'52	7°II49	8°21	5°54	28°38	17°34	14°59	9°40	13°20	18°18	23°48	25° 5	16°33	20° 8	W16	
T 17	5 42 51	25° 1'51	22°12	8° 6	7° 6	28°26	17°46	15° 5	9°38	13°20	18°17	23°45	25° 1	16°40	20°14	T 17	
F 18	5 46 47	26° 2'51	6°50	8°D 2	8°17	28°15	17°58	15°12	9°35	13°19	18°16	23°42	24°58	16°47	20°19	F 18	
S 19	5 50 44	27° 3'52	21°35	8° 8	9°27	28° 5	18° 9	15°19	9°33	13°19	18°15	23°D41	24°55	16°53	20°25	S 19	
S 20	5 54 41	28° 4'53	6°D20	8°23	10°38	27°55	18°21	15°26	9°31	13°19	18°15	23°42	24°52	17° 0	20°30	S 20	
M21	5 58 37	29° 5'56	20°59	8°46	11°49	27°47	18°32	15°33	9°28	13°19	18°14	23°43	24°49	17° 7	20°35	M21	
T 22	6 2 34	0°3 6'59	5°27	9°17	13° 0	27°39	18°44	15°40	9°26	13°19	18°13	23°44	24°46	17°13	20°41	T 22	
W23	6 6 30	1° 8'03	19°41	9°55	14°10	27°32	18°55	15°47	9°24	13°19	18°12	23°46	24°42	17°20	20°46	W23	
T 24	6 10 27	2° 9'07	3°38	10°39	15°20	27°26	19° 6	15°53	9°21	13°19	18°11	23°R46	24°39	17°27	20°51	T 24	
F 25	6 14 23	3°10'13	17°19	11°28	16°31	27°20	19°17	16° 0	9°19	13°D19	18°10	23°45	24°36	17°33	20°55	F 25	
S 26	6 18 20	4°11'19	0°M44	12°22	17°41	27°16	19°28	16° 7	9°17	13°19	18° 9	23°44	24°33	17°40	21° 0	S 26	
S 27	6 22 16	5°12'27	13°53	13°21	18°51	27°12	19°39	16°14	9°15	13°19	18° 8	23°41	24°30	17°47	21° 5	S 27	
M28	6 26 13	6°13'35	26°47	14°23	20° 1	27° 9	19°50	16°21	9°12	13°19	18° 7	23°39	24°26	17°53	21° 9	M28	
T 29	6 30 10	7°14'43	9°18	15°28	21°11	27° 7	20° 1	16°28	9°10	13°19	18° 7	23°36	24°23	18° 0	21°14	T 29	
W30	6 34 6	8°15'52	21°57	16°36	22°20	27° 6	20°12	16°35	9° 8	13°19	18° 5	23°34	24°20	18° 7	21°18	W30	
T 31	6 38 3	9°17'01	4°315	17°47	23°30	27°D 5	20°M23	16°343	9°II 6	13°V19	18°R 4	23°332	24°317	18°13	21°23	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	21s45	24s15	4s10	24s12	0s56	24s22	2s10	22n 9	1n27	15s14	0n59	22s24	0n21	21n54	0s 4	3n52	T 1
W 2	21 54	25 43	3 24	23 53	0 39	24 12	2 11	22 8	1 30	15 18	0 59	22 23	0 21	21 54	0 4	3 52	W 2
T 3	22 3	25 49	2 28	23 32	0 21	24 2	2 12	22 6	1 32	15 22	0 59	22 23	0 21	21 53	0 4	3 52	T 3
F 4	22 11	24 37	1 27	23 9	0 1	23 52	2 12	22 4	1 35	15 25	0 59	22 22	0 21	21 53	0 4	3 51	F 4
S 5	22 19	22 17	0 22	22 44	0n19	23 40	2 13	22 2	1 37	15 29	0 59	22 22	0 21	21 53	0 4	3 51	S 5
S 6	22 26	19 0	0n43	22 18	0 39	23 28	2 13	22 1	1 39	15 32	0 59	22 21	0 21	21 52	0 4	3 51	S 6
M 7	22 33	14 59	1 45	21 51	0 59	23 16	2 13	21 59	1 41	15 36	0 59	22 20	0 21	21 52	0 4	3 51	M 7
T 8	22 40	10 24	2 43	21 24	1 19	23 2	2 14	21 57	1 44	15 39	0 59	22 20	0 20	21 52	0 4	3 51	T 8
W 9	22 46	5 27	3 35	20 57	1 37	22 49	2 14	21 56	1 46	15 43	0 59	22 19	0 20	21 51	0 4	3 50	W 9
T 10	22 52	0 15	4 17	20 31	1 54	22 34	2 14	21 54	1 48	15 46	0 59	22 19	0 20	21 51	0 4	3 50	T 10
F 11	22 57	5n 2	4 49	20 7	2 9	22 19	2 14	21 52	1 50	15 50	0 59	22 18	0 20	21 51	0 4	3 50	F 11
S 12	23 2	10 15	5 8	19 46	2 21	22 3	2 13	21 51	1 51	15 53	0 59	22 17	0 20	21 50	0 4	3 50	S 12
S 13	23 6	15 12	5 12	19 27	2 32	21 47	2 13	21 49	1 53	15 56	0 59	22 17	0 20	21 50	0 4	3 50	S 13
M14	23 10	19 35	5 0	19 12	2 40	21 30	2 13	21 48	1 55	16 0	0 59	22 16	0 20	21 50	0 4	3 50	M14
T 15	23 14	23 4	4 31	19 1	2 45	21 12	2 12	21 46	1 57	16 3	1 0	22 15	0 20	21 49	0 4	3 50	T 15
W16	23 17	25 18	3 45	18 53	2 49	20 54	2 11	21 45	1 58	16 6	1 0	22 15	0 20	21 49	0 4	3 50	W16
T 17	23 19	25 55	3 44	18 49	2 51	20 35	2 11	21 44	2 0	16 9	1 0	22 14	0 20	21 49	0 4	3 50	T 17
F 18	23 21	24 46	1 31	18 49	2 51	20 16	2 10	21 43	2 1	16 13	1 0	22 13	0 20	21 48	0 4	3 49	F 18
S 19	23 23	21 53	0 12	18 51	2 49	19 56	2 9	21 42	2 2	16 16	1 0	22 13	0 20	21 48	0 4	3 49	S 19
S 20	23 24	17 33	1s 9	18 56	2 47	19 36	2 8	21 41	2 4	16 19	1 0	22 12	0 19	21 47	0 4	3 49	S 20
M21	23 25	12 12	2 25	19 4	2 43	19 15	2 7	21 40	2 5	16 22	1 0	22 11	0 19	21 47	0 4	3 49	M21
T 22	23 25	6 14	3 30	19 13	2 38	18 54	2 5	21 40	2 6	16 25	1 0	22 11	0 19	21 47	0 4	3 49	T 22
W23	23 25	0 4	4 22	19 24	2 32	18 32	2 4	21 39	2 7	16 28	1 0	22 10	0 19	21 46	0 4	3 49	W23
T 24	23 24	5s59	4 56	19 36	2 26	18 10	2 3	21 39	2 8	16 31	1 0	22 9	0 19	21 46	0 4	3 49	T 24
F 25	23 23	11 37	5 14	19 50	2 19	17 48	2 1	21 38	2 9	16 34	1 0	22 8	0 19	21 46	0 4	3 49	F 25
S 26	23 21	16 36	5 13	20 4	2 12	17 25	1 59	21 38	2 10	16 37	1 0	22 8	0 19	21 45	0 4	3 50	S 26
S 27	23 19	20 42	4 56	20 19	2 5	17 1	1 57	21 38	2 11	16 40	1 0	22 7	0 19	21 45	0 4	3 50	S 27
M28	23 16	23 42	4 25	20 34	1 57	16 37	1 55	21 38	2 12	16 43	1 0	22 6	0 19	21 45	0 4	3 50	M28
T 29	23 13	25 29	3 40	20 49	1 49	16 13	1 53	21 39	2 13	16 46	1 0	22 5	0 19	21 44	0 4	3 50	T 29
W30	23 9	25 56	2 46	21 4	1 41	15 48	1 51	21 39	2 13	16 48	1 0	22 5	0 19	21 44	0 4	3 50	W30
T 31	23s 5	25s 6	1s45	21s19	1n32	15s23	1s49	21n40	2n14	16s51	1n 0	22s 4	0n19	21n44	0s 4	3n50	T 31

Julian Day Number = 2523101.5, Delta T = 159.06 sec
 Ecliptic obliquity = 23°24'53, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°28'41, Lahiri = 26°35'42