



Astrodienst Ephemeris Tables for the year 2163

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 2163
geocentric

JANUARY 2163

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 41 57	10♈18'26	15♎32	18♊29	26♋55	6♌13	25♍0	10♎43	27♏42	1♐33	4♑34	3♒43	2♓29	25♈36	7♉35	S 1
S 2	6 45 53	11°19'36	0♊10	19°40	28° 5	6°54	25°14	10°49	27°46	1°36	4♑32	3♋40	2°25	25°43	7°38	S 2
M 3	6 49 50	12°20'46	14°58	20°54	29°15	7°36	25°28	10°56	27°49	1°38	4°31	3°35	2°22	25°49	7°40	M 3
T 4	6 53 47	13°21'57	29°51	22° 9	0♋26	8°17	25°42	11° 2	27°53	1°40	4°30	3°27	2°19	25°56	7°43	T 4
W 5	6 57 43	14°23'08	14♊39	23°25	1°36	8°59	25°56	11° 9	27°56	1°42	4°29	3°16	2°16	26° 3	7°46	W 5
T 6	7 1 40	15°24'18	29°14	24°44	2°47	9°40	26°10	11°15	28° 0	1°44	4°28	3° 5	2°13	26° 9	7°48	T 6
F 7	7 5 36	16°25'29	13♋29	26° 3	3°57	10°22	26°24	11°21	28° 3	1°47	4°26	2°53	2°10	26°16	7°51	F 7
S 8	7 9 33	17°26'40	27°18	27°24	5° 8	11° 4	26°38	11°28	28° 7	1°49	4°25	2°43	2° 6	26°22	7°54	S 8
S 9	7 13 29	18°27'50	10♋40	28°46	6°19	11°45	26°52	11°34	28°10	1°51	4°24	2°35	2° 3	26°29	7°57	S 9
M10	7 17 26	19°29'00	23°35	0♌9	7°30	12°27	27° 6	11°40	28°14	1°53	4°23	2°30	2° 0	26°36	8° 0	M10
T 11	7 21 22	20°30'09	6♋6	1°33	8°41	13° 9	27°20	11°46	28°17	1°55	4°22	2°27	1°57	26°42	8° 3	T 11
W12	7 25 19	21°31'18	18°18	2°58	9°52	13°50	27°34	11°52	28°21	1°58	4°21	2°D27	1°54	26°49	8° 6	W12
T 13	7 29 16	22°32'26	0♌16	4°23	11° 4	14°32	27°48	11°58	28°24	2° 0	4°20	2°R27	1°50	26°56	8° 9	T 13
F 14	7 33 12	23°33'34	12° 6	5°49	12°15	15°14	28° 2	12° 4	28°28	2° 2	4°18	2°26	1°47	27° 2	8°12	F 14
S 15	7 37 9	24°34'42	23°53	7°16	13°27	15°56	28°16	12°10	28°31	2° 4	4°17	2°25	1°44	27° 9	8°15	S 15
S 16	7 41 5	25°35'49	5♋42	8°44	14°38	16°38	28°30	12°16	28°35	2° 7	4°16	2°21	1°41	27°16	8°18	S 16
M17	7 45 2	26°36'55	17°37	10°12	15°50	17°20	28°44	12°21	28°38	2° 9	4°15	2°14	1°38	27°22	8°21	M17
T 18	7 48 58	27°38'01	29°43	11°41	17° 1	18° 1	28°58	12°27	28°42	2°11	4°14	2° 4	1°35	27°29	8°25	T 18
W19	7 52 55	28°39'06	12♌1	13°11	18°13	18°43	29°12	12°33	28°45	2°14	4°13	1°52	1°31	27°36	8°28	W19
T 20	7 56 51	29°40'11	24°32	14°41	19°25	19°25	29°26	12°38	28°49	2°16	4°12	1°38	1°28	27°42	8°31	T 20
F 21	8 0 48	0♋41'15	7♋17	16°11	20°37	20° 7	29°40	12°44	28°52	2°18	4°11	1°23	1°25	27°49	8°35	F 21
S 22	8 4 45	1°42'19	20°15	17°42	21°49	20°49	29°55	12°49	28°56	2°20	4°10	1°10	1°22	27°56	8°38	S 22
S 23	8 8 41	2°43'22	3♋25	19°14	23° 1	21°31	0♋9	12°55	29° 0	2°23	4° 9	0°59	1°19	28° 2	8°41	S 23
M24	8 12 38	3°44'25	16°45	20°47	24°13	22°14	0°23	13° 0	29° 3	2°25	4° 8	0°50	1°16	28° 9	8°45	M24
T 25	8 16 34	4°45'27	0♌15	22°20	25°25	22°56	0°37	13° 6	29° 7	2°27	4° 7	0°45	1°12	28°16	8°48	T 25
W26	8 20 31	5°46'28	13°54	23°53	26°38	23°38	0°51	13°11	29°10	2°29	4° 6	0°42	1° 9	28°22	8°52	W26
T 27	8 24 27	6°47'29	27°43	25°27	27°50	24°20	1° 5	13°16	29°14	2°32	4° 5	0°42	1° 6	28°29	8°55	T 27
F 28	8 28 24	7°48'30	11♋41	27° 2	29° 2	25° 2	1°19	13°21	29°17	2°34	4° 4	0°42	1° 3	28°36	8°59	F 28
S 29	8 32 20	8°49'31	25°49	28°38	0♌15	25°45	1°33	13°26	29°21	2°36	4° 3	0°41	1° 0	28°42	9° 2	S 29
S 30	8 36 17	9°50'31	10♊6	0♋14	1°27	26°27	1°47	13°31	29°24	2°39	4° 2	0°38	0°56	28°49	9° 6	S 30
M31	8 40 14	10♋51'30	24♊29	1♋50	2♌40	27♊9	2♋1	13♊36	29♌28	2♋41	4♌1	0♋33	0♋53	28♌56	9♋9	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	23s 1	15s29	1n 3	21s20	1n35	16s58	2n33	21s13	0n 7	21s24	0s18	20s22	1n41	21s 6	0s31	19s28	0n20	17n50	5s31	12s45	12s19	17n10	3s52	5n13	
S 2	22 56	17 57	2 16	21 34	1 27	17 15	2 32	21 20	0 6	21 22	0 18	20 23	1 41	21 5	0 31	19 28	0 20	17 50	5 31	12 44	12 18	17 11	3 51	5 13	
M 3	22 51	19 15	3 21	21 48	1 18	17 31	2 31	21 28	0 6	21 19	0 18	20 24	1 41	21 5	0 31	19 27	0 20	17 50	5 31	12 42	12 17	17 12	3 51	5 13	
T 4	22 45	19 13	4 12	22 1	1 10	17 47	2 29	21 35	0 5	21 17	0 18	20 25	1 41	21 4	0 31	19 27	0 20	17 50	5 31	12 39	12 16	17 13	3 50	5 12	
W 5	22 38	17 52	4 46	22 14	1 1	18 3	2 28	21 42	0 4	21 14	0 18	20 26	1 41	21 3	0 31	19 26	0 20	17 50	5 31	12 36	12 15	17 13	3 49	5 12	
T 6	22 32	15 22	5 1	22 26	0 53	18 18	2 27	21 49	0 4	21 12	0 18	20 27	1 41	21 3	0 31	19 26	0 20	17 50	5 30	12 32	12 14	17 14	3 48	5 12	
F 7	22 24	12 1	4 57	22 37	0 44	18 33	2 25	21 56	0 3	21 9	0 18	20 27	1 41	21 2	0 31	19 25	0 20	17 50	5 30	12 28	12 13	17 15	3 48	5 11	
S 8	22 17	8 5	4 35	22 48	0 36	18 47	2 23	22 2	0 2	21 6	0 18	20 28	1 41	21 1	0 31	19 25	0 20	17 50	5 30	12 24	12 12	17 16	3 47	5 11	
S 9	22 9	3 53	3 58	22 57	0 28	19 1	2 22	22 9	0 2	21 4	0 18	20 29	1 41	21 1	0 31	19 24	0 20	17 51	5 30	12 22	12 11	17 16	3 46	5 11	
M10	22 0	0n22	3 11	23 5	0 20	19 14	2 20	22 15	0 1	21 1	0 18	20 30	1 41	21 0	0 31	19 24	0 20	17 51	5 30	12 20	12 9	17 17	3 45	5 11	
T 11	21 51	4 29	2 15	23 13	0 12	19 27	2 18	22 21	0 0	20 59	0 18	20 30	1 41	20 59	0 31	19 23	0 20	17 51	5 30	12 19	12 8	17 18	3 44	5 10	
W12	21 42	8 19	1 14	23 19	0 4	19 40	2 16	22 27	0s 0	20 56	0 19	20 31	1 41	20 58	0 31	19 23	0 20	17 51	5 30	12 19	12 7	17 19	3 44	5 10	
T 13	21 32	11 44	0 12	23 25	0s 4	19 52	2 14	22 32	0 1	20 53	0 19	20 32	1 41	20 58	0 31	19 22	0 20	17 51	5 30	12 19	12 6	17 19	3 43	5 10	
F 14	21 22	14 38	0s51	23 29	0 12	20 4	2 12	22 38	0 2	20 50	0 19	20 33	1 41	20 57	0 31	19 22	0 20	17 51	5 30	12 18	12 5	17 20	3 42	5 9	
S 15	21 11	16 56	1 51	23 32	0 19	20 15	2 10	22 43	0 2	20 48	0 19	20 33	1 41	20 56	0 31	19 21	0 20	17 51	5 30	12 18	12 4	17 21	3 41	5 9	
S 16	21 0	18 30	2 46	23 34	0 26	20 25	2 7	22 48	0 3	20 45	0 19	20 34	1 41	20 56	0 31	19 21	0 20	17 51	5 30	12 16	12 3	17 22	3 40	5 9	
M17	20 49	19 16	3 35	23 35	0 33	20 35	2 5	22 53	0 4	20 42	0 19	20 35	1 41	20 55	0 31	19 20	0 20	17 52	5 29	12 14	12 2	17 22	3 39	5 9	
T 18	20 37	19 11	4 14	23 34	0 40	20 45	2 3	22 57	0 5	20 39	0 19	20 35	1 41	20 54	0 31	19 20	0 20	17 52	5 29	12 11	12 1	17 23	3 38	5 8	
W19	20 25	18 11	4 42	23 32	0 47	20 54	2 0	23 2	0 5	20 37	0 19	20 36	1 41	20 53	0 31	19 19	0 20	17 52	5 29	12 6	12 0	17 24	3 37	5 8	
T 20	20 12	16 18	4 58	23 29	0 53	21 2	1 58	23 6	0 6	20 34	0 19	20 37	1 42	20 53	0 31	19 19	0 20	17 52	5 29	12 2	11 58	17 24	3 36	5 8	
F 21	19 59	13 37	4 58	23 25	0 59	21 10	1 55	23 10	0 7	20 31	0 19	20 37	1 42	20 52	0 31	19 18	0 20	17 52	5 29	11 57	11 57	17 25	3 35	5 8	
S 22	19 46	10 14	4 44	23 19	1 5	21 18	1 52	23 13	0 7	20 28	0 19	20 38	1 42	20 51	0 31	19 18	0 20	17 52	5 29	11 52	11 56	17 26	3 34	5 8	
S 23	19 32	6 18	4 14	23 13	1 11	21 24	1 50	23 17	0 8	20 25	0 20	20 39	1 42	20 51	0 31	19 17	0 20	17 52	5 29	11 48	11 55	17 27	3 33	5 7	
M24	19 18	2 0	3 30	23 4	1 17	21 31	1 47	23 20	0 9	20 22	0 20	20 39	1 42	20 50	0 31	19 17	0 20	17 53	5 29	11 45	11 54	17 27	3 32	5 7	
T 25	19 3	2s27	2 33	22 55	1 22	21 36	1 44	23 23	0 10	20 19	0 20	20 40	1 42	20 49	0 31	19 16	0 20	17 53	5 29	11 43	11 53	17 28	3 31	5 7	
W26	18 49	6 50	1 28	22 44	1 27	21 41	1 41	23 26	0 10	20 16	0 20	20 40	1 42	20 48	0 31	19 16	0 20	17 53	5 28	11 42	11 52	17 29	3 30	5 7	
T 27	18 33	10 54	0 16	22 32	1 32	21 46	1 38	23 29	0 11	20 13	0 20	20 41	1 42	20 48	0 31	19 15	0 20	17 53	5 28	11 42	11 51	17 29	3 29	5 6	
F 28	18 18	14 24	0n58	22 18	1 36	21 49	1 35	23 31	0 12	20 10	0 20	20 41	1 42	20 47	0 31	19 15	0 20	17 53	5 28	11 42	11 50	17 30	3 28	5 6	
S 29	18 2	17 6	2 9	22 3	1 40	21 52	1 32	23 33	0 13	20 7	0 20	20 42	1 42	20 46	0 31	19 14	0 20	17 53	5 28	11 42	11 49	17 31	3 27	5 6	
S 30	17 46	18 46	3 12	21 47	1 44	21 55	1 29	23 35	0 13	20 4	0 20	20 42	1 42	20 45	0 31	19 14	0 20	17 53	5 28	11 41	11 47	17 31	3 25	5 6	
M31	17s29	19s14	4n 4	21s29	1s48	21s57	1n26	23s37	0s14	20s 1	0s20	20s43	1n42	20s45	0s31	19s13	0n20	17n54	5s28	11s39	11s46	17n32	3s24	5n 6	

ASTRODIENST EPHEMERIS for the year 2163

geocentric

FEBRUARY 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 44 10	11 ⁵² 29	8 ⁵⁴	3 ²⁷	3 ⁵³	27 ⁵²	2 ¹⁵	13 ⁴¹	29 ³¹	2 ⁴³	4 ^{R 0}	0 ^{R24}	0 ^{M50}	29 ^{8 2}	9 ¹³	T 1
W 2	8 48 7	12 ⁵³ 27	23 ¹⁷	5° 5	5° 5	28°34	2°29	13°46	29°35	2°45	3 ⁵⁹	0 ^{M13}	0°47	29° 9	9°17	W 2
T 3	8 52 3	13°54'23	7 ³¹	6°44	6°18	29°16	2°43	13°50	29°38	2°48	3°58	0° 1	0°44	29°16	9°20	T 3
F 4	8 56 0	14°55'19	21°30	8°23	7°31	29°59	2°57	13°55	29°42	2°50	3°57	29 ⁴⁹	0°41	29°22	9°24	F 4
S 5	8 59 56	15°56'14	5 ⁹	10° 3	8°43	0 ⁴¹	3°11	13°59	29°45	2°52	3°56	29°38	0°37	29°29	9°28	S 5
S 6	9 3 53	16°57'08	18°26	11°44	9°56	1°24	3°25	14° 4	29°48	2°54	3°55	29°29	0°34	29°36	9°32	S 6
M 7	9 7 49	17°58'00	1 ¹⁹	13°26	11° 9	2° 6	3°39	14° 8	29°52	2°57	3°55	29°23	0°31	29°42	9°35	M 7
T 8	9 11 46	18°58'51	13°52	15° 8	12°22	2°49	3°53	14°13	29°55	2°59	3°54	29°20	0°28	29°49	9°39	T 8
W 9	9 15 43	19°59'41	26° 6	16°51	13°35	3°31	4° 7	14°17	29°59	3° 1	3°53	29°D19	0°25	29°56	9°43	W 9
T 10	9 19 39	21° 0'29	8 ⁶	18°35	14°48	4°14	4°21	14°21	0 ²	3° 3	3°52	29°19	0°22	0 ²	9°47	T 10
F 11	9 23 36	22° 1'16	19°57	20°19	16° 1	4°57	4°34	14°25	0° 5	3° 5	3°51	29°R19	0°18	0° 9	9°51	F 11
S 12	9 27 32	23° 2'01	1 ⁴⁶	22° 5	17°14	5°39	4°48	14°29	0° 9	3° 7	3°51	29°19	0°15	0°16	9°55	S 12
S 13	9 31 29	24° 2'45	13°37	23°51	18°27	6°22	5° 2	14°33	0°12	3°10	3°50	29°17	0°12	0°22	9°58	S 13
M14	9 35 25	25° 3'27	25°35	25°38	19°40	7° 5	5°16	14°37	0°15	3°12	3°49	29°12	0° 9	0°29	10° 2	M14
T 15	9 39 22	26° 4'08	7 ⁴⁵	27°25	20°53	7°47	5°29	14°40	0°19	3°14	3°49	29° 5	0° 6	0°36	10° 6	T 15
W16	9 43 18	27° 4'47	20°10	29°14	22° 6	8°30	5°43	14°44	0°22	3°16	3°48	28°56	0° 2	0°42	10°10	W16
T 17	9 47 15	28° 5'24	2 ⁵²	1 ³	23°19	9°13	5°57	14°48	0°25	3°18	3°47	28°45	29 ⁵⁹	0°49	10°14	T 17
F 18	9 51 12	29° 6'00	15°53	2°52	24°33	9°56	6°10	14°51	0°28	3°20	3°47	28°34	29°56	0°56	10°18	F 18
S 19	9 55 8	0 ⁶	6°35	29°11	4°43	25°46	10°39	6°24	14°54	0°32	3°22	28°24	29°53	1° 2	10°22	S 19
S 20	9 59 5	1° 7'07	12 ⁴⁵	6°33	26°59	11°21	6°37	14°58	0°35	3°24	3°45	28°15	29°50	1° 9	10°26	S 20
M21	10 3 1	2° 7'39	26°31	8°25	28°12	12° 4	6°51	15° 1	0°38	3°27	3°45	28° 8	29°47	1°16	10°30	M21
T 22	10 6 58	3° 8'09	10 ²⁶	10°16	29°26	12°47	7° 4	15° 4	0°41	3°29	3°44	28° 5	29°43	1°22	10°34	T 22
W23	10 10 54	4° 8'37	24°27	12° 8	0 ³⁹	13°30	7°17	15° 7	0°44	3°31	3°44	28°D 3	29°40	1°29	10°38	W23
T 24	10 14 51	5° 9'05	8 ³²	14° 0	1°52	14°13	7°31	15°10	0°47	3°33	3°43	28° 4	29°37	1°36	10°42	T 24
F 25	10 18 47	6° 9'31	22°39	15°52	3° 6	14°56	7°44	15°13	0°50	3°35	3°43	28° 5	29°34	1°42	10°46	F 25
S 26	10 22 44	7° 9'55	6 ⁴⁷	17°43	4°19	15°39	7°57	15°16	0°53	3°37	3°42	28°R 5	29°31	1°49	10°50	S 26
S 27	10 26 40	8°10'19	20°54	19°34	5°33	16°22	8°10	15°18	0°56	3°39	3°42	28° 4	29°27	1°56	10°54	S 27
M28	10 30 37	9 ¹⁰	4 ⁵⁹	21 ²³	6 ⁴⁶	17 ⁵	8 ²⁴	15 ²¹	0 ⁵⁹	3 ⁴¹	3 ⁴¹	28 ²	29 ²⁴	2 ²	10 ⁵⁸	M28

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	17s13	18s27	4n40	21s10	1s51	21s58	1n23	23s39	0s15	19s58	0s20	20s43	1n42	20s44	0s31	19s13
W 2	16 56	16 30	4 59	20 49	1 54	21 59	1 20	23 40	0 16	19 55	0 21	20 44	1 43	20 43	0 31	19 12
T 3	16 38	13 34	4 58	20 27	1 57	21 59	1 17	23 41	0 16	19 52	0 21	20 44	1 43	20 43	0 31	19 12
F 4	16 21	9 54	4 40	20 4	1 59	21 58	1 14	23 42	0 17	19 49	0 21	20 45	1 43	20 42	0 31	19 11
S 5	16 3	5 48	4 6	19 39	2 1	21 57	1 11	23 43	0 18	19 46	0 21	20 45	1 43	20 41	0 31	19 11
S 6	15 44	1 31	3 19	19 13	2 3	21 55	1 8	23 43	0 19	19 43	0 21	20 46	1 43	20 40	0 31	19 10
M 7	15 26	2n43	2 23	18 45	2 4	21 53	1 4	23 43	0 19	19 40	0 21	20 46	1 43	20 40	0 31	19 10
T 8	15 7	6 43	1 21	18 16	2 5	21 50	1 1	23 43	0 20	19 36	0 21	20 47	1 43	20 39	0 31	19 9
W 9	14 48	10 20	0 17	17 46	2 5	21 46	0 58	23 43	0 21	19 33	0 21	20 47	1 43	20 38	0 31	19 9
T 10	14 29	13 27	0s47	17 14	2 5	21 41	0 55	23 43	0 22	19 30	0 21	20 47	1 43	20 38	0 31	19 8
F 11	14 9	15 59	1 48	16 40	2 5	21 36	0 51	23 42	0 23	19 27	0 21	20 48	1 43	20 37	0 31	19 8
S 12	13 50	17 49	2 44	16 6	2 4	21 31	0 48	23 41	0 23	19 24	0 22	20 48	1 43	20 36	0 31	19 7
S 13	13 30	18 53	3 33	15 29	2 3	21 24	0 45	23 40	0 24	19 20	0 22	20 48	1 44	20 36	0 31	19 7
M14	13 9	19 7	4 14	14 52	2 1	21 17	0 42	23 39	0 25	19 17	0 22	20 49	1 44	20 35	0 31	19 6
T 15	12 49	18 28	4 43	14 13	1 59	21 10	0 38	23 37	0 26	19 14	0 22	20 49	1 44	20 34	0 31	19 6
W16	12 28	16 57	5 0	13 33	1 56	21 2	0 35	23 35	0 27	19 11	0 22	20 49	1 44	20 33	0 31	19 5
T 17	12 8	14 34	5 3	12 51	1 53	20 53	0 32	23 33	0 28	19 8	0 22	20 50	1 44	20 33	0 31	19 5
F 18	11 47	11 26	4 50	12 8	1 49	20 43	0 29	23 31	0 28	19 4	0 22	20 50	1 44	20 32	0 31	19 4
S 19	11 25	7 39	4 22	11 24	1 44	20 33	0 25	23 29	0 29	19 1	0 22	20 50	1 44	20 31	0 31	19 4
S 20	11 4	3 25	3 38	10 38	1 39	20 23	0 22	23 26	0 30	18 58	0 22	20 50	1 44	20 31	0 31	19 3
M21	10 42	1s 4	2 41	9 51	1 34	20 12	0 19	23 23	0 31	18 55	0 23	20 51	1 44	20 30	0 31	19 3
T 22	10 21	5 33	1 33	9 3	1 27	20 0	0 16	23 20	0 32	18 51	0 23	20 51	1 45	20 29	0 31	19 2
W23	9 59	9 46	0 19	8 15	1 21	19 47	0 12	23 16	0 33	18 48	0 23	20 51	1 45	20 29	0 31	19 2
T 24	9 37	13 27	0n56	7 25	1 13	19 34	0 9	23 13	0 33	18 45	0 23	20 51	1 45	20 28	0 31	19 2
F 25	9 15	16 21	2 8	6 34	1 5	19 21	0 6	23 9	0 34	18 41	0 23	20 52	1 45	20 28	0 31	19 1
S 26	8 52	18 15	3 13	5 43	0 56	19 7	0 3	23 5	0 35	18 38	0 23	20 52	1 45	20 27	0 31	19 1
S 27	8 30	19 1	4 6	4 51	0 47	18 52	0s 0	23 1	0 36	18 35	0 23	20 52	1 45	20 26	0 31	19 0
M28	8s 7	18s36	4n44	3s58	0s37	18s37	0s 3	22s56	0s37	18s32	0s23	20s52	1n45	20s26	0s31	19s 0

Julian Day Number = 2511110.5, Delta T = 131.09 sec

Ecliptic obliquity = 23°24'57, Nutation = 0°00'11, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°01'09, Lahiri = 26°08'10

ASTRODIENST EPHEMERIS for the year 2163
geocentric

MARCH 2163

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 34 34	10 ^h 11'02	19 ^h 00	23 ^h 12	8 ^h 00	17 ^h 49	8 ^h 37	15 ^h 23	1 ^h 22	3 ^h 42	3 ^h 41	27 ^h 57	29 ^h 21	2 ^h 11	11 ^h 02	T 1
W 2	10 38 30	11 ^h 11'21	2 ^h 55	24 ^h 59	9 ^h 13	18 ^h 32	8 ^h 50	15 ^h 26	1 ^h 05	3 ^h 44	3 ^h 41	27 ^h 50	29 ^h 18	2 ^h 16	11 ^h 05	W 2
T 3	10 42 27	12 ^h 11'39	16 ^h 40	26 ^h 43	10 ^h 27	19 ^h 15	9 ^h 03	15 ^h 28	1 ^h 08	3 ^h 46	3 ^h 40	27 ^h 42	29 ^h 15	2 ^h 22	11 ^h 09	T 3
F 4	10 46 23	13 ^h 11'55	0 ^h 13	28 ^h 25	11 ^h 40	19 ^h 58	9 ^h 16	15 ^h 30	1 ^h 11	3 ^h 48	3 ^h 40	27 ^h 34	29 ^h 12	2 ^h 29	11 ^h 13	F 4
S 5	10 50 20	14 ^h 12'09	13 ^h 30	0 ^h 04	12 ^h 54	20 ^h 41	9 ^h 28	15 ^h 32	1 ^h 14	3 ^h 50	3 ^h 40	27 ^h 27	29 ^h 08	2 ^h 36	11 ^h 17	S 5
S 6	10 54 16	15 ^h 12'21	26 ^h 31	1 ^h 40	14 ^h 07	21 ^h 25	9 ^h 41	15 ^h 34	1 ^h 17	3 ^h 52	3 ^h 39	27 ^h 21	29 ^h 05	2 ^h 42	11 ^h 21	S 6
M 7	10 58 13	16 ^h 12'32	9 ^h 04	3 ^h 11	15 ^h 21	22 ^h 08	9 ^h 54	15 ^h 36	1 ^h 19	3 ^h 54	3 ^h 39	27 ^h 18	29 ^h 02	2 ^h 49	11 ^h 25	M 7
T 8	11 02 09	17 ^h 12'40	21 ^h 41	4 ^h 37	16 ^h 34	22 ^h 51	10 ^h 07	15 ^h 38	1 ^h 22	3 ^h 55	3 ^h 39	27 ^h 16	28 ^h 59	2 ^h 56	11 ^h 29	T 8
W 9	11 06 06	18 ^h 12'47	3 ^h 52	5 ^h 58	17 ^h 48	23 ^h 34	10 ^h 19	15 ^h 40	1 ^h 25	3 ^h 57	3 ^h 39	27 ^h 16	28 ^h 56	3 ^h 02	11 ^h 33	W 9
T 10	11 10 03	19 ^h 12'52	15 ^h 52	7 ^h 13	19 ^h 01	24 ^h 18	10 ^h 32	15 ^h 41	1 ^h 28	3 ^h 59	3 ^h 38	27 ^h 17	28 ^h 53	3 ^h 09	11 ^h 37	T 10
F 11	11 13 59	20 ^h 12'54	27 ^h 44	8 ^h 21	20 ^h 15	25 ^h 01	10 ^h 44	15 ^h 43	1 ^h 30	4 ^h 01	3 ^h 38	27 ^h 19	28 ^h 49	3 ^h 16	11 ^h 41	F 11
S 12	11 17 56	21 ^h 12'55	9 ^h 11	9 ^h 23	21 ^h 29	25 ^h 44	10 ^h 57	15 ^h 44	1 ^h 33	4 ^h 02	3 ^h 38	27 ^h 20	28 ^h 46	3 ^h 22	11 ^h 45	S 12
S 13	11 21 52	22 ^h 12'53	21 ^h 25	10 ^h 17	22 ^h 42	26 ^h 28	11 ^h 09	15 ^h 46	1 ^h 35	4 ^h 04	3 ^h 38	27 ^h 21	28 ^h 43	3 ^h 29	11 ^h 49	S 13
M14	11 25 49	23 ^h 12'49	3 ^h 53	11 ^h 03	23 ^h 56	27 ^h 11	11 ^h 21	15 ^h 47	1 ^h 38	4 ^h 06	3 ^h 38	27 ^h 21	28 ^h 40	3 ^h 36	11 ^h 53	M14
T 15	11 29 45	24 ^h 12'43	15 ^h 34	11 ^h 42	25 ^h 09	27 ^h 55	11 ^h 34	15 ^h 48	1 ^h 40	4 ^h 07	3 ^h 38	27 ^h 18	28 ^h 37	3 ^h 42	11 ^h 57	T 15
W16	11 33 42	25 ^h 12'35	28 ^h 00	12 ^h 11	26 ^h 23	28 ^h 38	11 ^h 46	15 ^h 49	1 ^h 43	4 ^h 09	3 ^h 38	27 ^h 15	28 ^h 33	3 ^h 49	12 ^h 01	W16
T 17	11 37 38	26 ^h 12'25	10 ^h 04	12 ^h 33	27 ^h 37	29 ^h 22	11 ^h 58	15 ^h 50	1 ^h 45	4 ^h 11	3 ^h 38	27 ^h 11	28 ^h 30	3 ^h 56	12 ^h 05	T 17
F 18	11 41 35	27 ^h 12'12	23 ^h 55	12 ^h 45	28 ^h 50	0 ^h 55	12 ^h 10	15 ^h 51	1 ^h 48	4 ^h 12	3 ^h 38	27 ^h 06	28 ^h 27	4 ^h 02	12 ^h 09	F 18
S 19	11 45 32	28 ^h 11'57	7 ^h 12	12 ^h 49	0 ^h 04	0 ^h 49	12 ^h 22	15 ^h 51	1 ^h 50	4 ^h 14	3 ^h 38	27 ^h 01	28 ^h 24	4 ^h 09	12 ^h 12	S 19
S 20	11 49 28	29 ^h 11'41	21 ^h 17	12 ^h 45	1 ^h 18	1 ^h 32	12 ^h 33	15 ^h 52	1 ^h 52	4 ^h 15	3 ^h 38	26 ^h 57	28 ^h 21	4 ^h 16	12 ^h 16	S 20
M21	11 53 25	0 ^h 04	5 ^h 11	12 ^h 33	2 ^h 31	2 ^h 16	12 ^h 45	15 ^h 52	1 ^h 54	4 ^h 17	3 ^h 38	26 ^h 54	28 ^h 18	4 ^h 22	12 ^h 20	M21
T 22	11 57 21	1 ^h 11'01	19 ^h 48	12 ^h 13	3 ^h 45	2 ^h 59	12 ^h 57	15 ^h 53	1 ^h 57	4 ^h 18	3 ^h 38	26 ^h 53	28 ^h 14	4 ^h 29	12 ^h 24	T 22
W23	12 01 18	2 ^h 10'38	4 ^h 11	11 ^h 45	4 ^h 59	3 ^h 43	13 ^h 08	15 ^h 53	1 ^h 59	4 ^h 20	3 ^h 38	26 ^h 53	28 ^h 11	4 ^h 36	12 ^h 28	W23
T 24	12 05 14	3 ^h 10'14	18 ^h 49	11 ^h 11	6 ^h 12	4 ^h 26	13 ^h 20	15 ^h 53	2 ^h 01	4 ^h 21	3 ^h 38	26 ^h 54	28 ^h 08	4 ^h 42	12 ^h 32	T 24
F 25	12 09 11	4 ^h 09'47	3 ^h 17	10 ^h 32	7 ^h 26	5 ^h 10	13 ^h 31	15 ^h 53	2 ^h 03	4 ^h 22	3 ^h 38	26 ^h 55	28 ^h 05	4 ^h 49	12 ^h 35	F 25
S 26	12 13 07	5 ^h 09'19	17 ^h 39	9 ^h 48	8 ^h 40	5 ^h 54	13 ^h 43	15 ^h 53	2 ^h 05	4 ^h 24	3 ^h 38	26 ^h 57	28 ^h 02	4 ^h 56	12 ^h 39	S 26
S 27	12 17 04	6 ^h 08'50	1 ^h 51	9 ^h 00	9 ^h 53	6 ^h 37	13 ^h 54	15 ^h 53	2 ^h 07	4 ^h 25	3 ^h 39	26 ^h 57	27 ^h 59	5 ^h 02	12 ^h 43	S 27
M28	12 21 00	7 ^h 08'18	15 ^h 51	8 ^h 09	11 ^h 07	7 ^h 21	14 ^h 05	15 ^h 53	2 ^h 09	4 ^h 26	3 ^h 39	26 ^h 57	27 ^h 55	5 ^h 09	12 ^h 47	M28
T 29	12 24 57	8 ^h 07'45	29 ^h 38	7 ^h 17	12 ^h 21	8 ^h 05	14 ^h 16	15 ^h 53	2 ^h 11	4 ^h 28	3 ^h 39	26 ^h 56	27 ^h 52	5 ^h 16	12 ^h 50	T 29
W30	12 28 54	9 ^h 07'10	13 ^h 12	6 ^h 25	13 ^h 35	8 ^h 49	14 ^h 27	15 ^h 52	2 ^h 13	4 ^h 29	3 ^h 39	26 ^h 54	27 ^h 49	5 ^h 22	12 ^h 54	W30
T 31	12 32 50	10 ^h 06'34	26 ^h 33	5 ^h 03	14 ^h 48	9 ^h 32	14 ^h 38	15 ^h 52	2 ^h 15	4 ^h 30	3 ^h 40	26 ^h 52	27 ^h 46	5 ^h 29	12 ^h 58	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
T 1	7s45	17s 3	5n 4	3s 6	0s26	18s21	0s 6	22s51	0s38	18s28	0s24	20s52	1n45	20s25	0s31	18s59	0n20	17n59	5s23	10s44	11s14	17n50	2s46	5n 2	
W 2	7 22	14 31	5 7	2 13	0 15	18 5	0 9	22 46	0 39	18 25	0 24	20 52	1 46	20 24	0 31	18 59	0 20	17 59	5 23	10 42	11 13	17 51	2 44	5 2	
T 3	6 59	11 11	4 51	1 21	0 3	17 48	0 12	22 41	0 40	18 22	0 24	20 52	1 46	20 24	0 31	18 58	0 20	17 59	5 23	10 39	11 12	17 51	2 43	5 2	
F 4	6 36	7 20	4 20	0 29	0n 9	17 31	0 15	22 36	0 40	18 18	0 24	20 53	1 46	20 23	0 31	18 58	0 20	17 59	5 23	10 36	11 11	17 52	2 42	5 2	
S 5	6 13	3 10	3 35	0n22	0 22	17 13	0 18	22 30	0 41	18 15	0 24	20 53	1 46	20 23	0 31	18 58	0 20	17 59	5 23	10 33	11 9	17 52	2 40	5 2	
S 6	5 49	1n 3	2 39	1 12	0 35	16 55	0 21	22 25	0 42	18 12	0 24	20 53	1 46	20 22	0 31	18 57	0 20	17 59	5 23	10 31	11 8	17 53	2 39	5 2	
M 7	5 26	5 8	1 36	2 0	0 49	16 36	0 24	22 18	0 43	18 8	0 24	20 53	1 46	20 21	0 31	18 57	0 20	18 0	5 22	10 30	11 7	17 53	2 37	5 2	
T 8	5 3	8 55	0 30	2 47	1 2	16 17	0 27	22 12	0 44	18 5	0 24	20 53	1 46	20 21	0 31	18 56	0 20	18 0	5 22	10 29	11 6	17 54	2 36	5 2	
W 9	4 39	12 14	0s36	3 32	1 16	15 57	0 29	22 6	0 45	18 2	0 25	20 53	1 46	20 20	0 32	18 56	0 20	18 0	5 22	10 29	11 5	17 54	2 34	5 2	
T 10	4 16	14 59	1 40	4 14	1 30	15 37	0 32	21 59	0 46	17 59	0 25	20 53	1 47	20 20	0 32	18 55	0 20	18 0	5 22	10 30	11 4	17 55	2 33	5 2	
F 11	3 52	17 4	2 39	4 54	1 44	15 16	0 35	21 52	0 47	17 55	0 25	20 53	1 47	20 19	0 32	18 55	0 20	18 0	5 22	10 30	11 3	17 56	2 31	5 2	
S 12	3 29	18 24	3 30	5 31	1 57	14 55	0 38	21 45	0 48	17 52	0 25	20 53	1 47	20 19	0 32	18 55	0 20	18 0	5 22	10 31	11 2	17 56	2 30	5 2	
S 13	3 5	18 55	4 13	6 4	2 10	14 34	0 40	21 38	0 48	17 49	0 25	20 53	1 47	20 18	0 32	18 54	0 20	18 1	5 21	10 31	11 0	17 57	2 28	5 2	
M14	2 42	18 37	4 46	6 34	2 23	14 12	0 43	21 31	0 49	17 46	0 25	20 53	1 47	20 17	0 32	18 54	0 20	18 1	5 21	10 31	10 59	17 57	2 27	5 2	
T 15	2 18	17 26	5 6	7 0	2 35	13 50	0 45	21 23	0 50	17 42	0 25	20 53	1 47	20 17	0 32	18 53	0 20	18 1	5 21	10 30	10 58	17 58	2 25	5 2	
W16	1 54	15 26	5 13	7 22	2 46	13 27	0 48	21 15	0 51	17 39	0 26	20 53	1 47	20 16	0 32	18 53	0 20	18 1	5 21	10 29	10 57	17 58	2 24	5 2	
T 17	1 30	12 38	5 4	7 40	2 56	13 4	0 50	21 7	0 52	17 36	0 26	20 53	1 47	20 16	0 32	18 53	0 20	18 1	5 21	10 27	10 56	17 59	2 22	5 2	
F 18	1 7	9 8	4 39	7 53	3 6	12 41	0 52	20 59	0 53	17 33	0 26	20 53	1 48	20 15	0 32	18 52	0 20	18 2	5 21	10 26	10 55	17 59	2 21	5 2	
S 19	0 43	5 5	3 59	8 2	3 14	12 17	0 55	20 50	0 54	17 30	0 26	20 53	1 48	20 15	0 32	18 52	0 20	18 2	5 20	10 24	10 54	18 0	2 19	5 2	
S 20	0 19	0 39	3 3	8 6	3 20	11 53	0 57	20 41	0 55	17 26	0 26	20 53	1 48	20 14	0 32	18 52	0 20	18 2	5 20	10 23	10 53	18 0	2 18	5 2	
M21	0n 5	3s55	1 55	8 6	3 25	11 29	0 59	20 33	0 56	17 23	0 26	20 53	1 48	20 14	0 32	18 51	0 20	18 2	5 20	10 22	10 51	18 1	2 17	5 2	
T 22	0 28	8 20	0 39	8 1	3 29	11 4	1 1	20 24	0 57	17 20	0 26	20 53	1 48	20 14	0 32	18 51	0 20	18 2	5 20	10 21	10 50	18 1	2 15	5 2	
W23	0 52	12 18	0n41	7 52	3 30	10 39	1 3	20 14	0 58	17 17	0 27	20 53	1 48	20 13	0 32	18 51	0 20	18 2	5 20	10 21	10 49	18 2	2 14	5 2	
T 24	1 16	15 31	1 58	7 39	3 30	10 14	1 5	20 5	0 59	17 14	0 27	20 52	1 48	20 13	0 32	18 50	0 20	18 3	5 20	10 21	10 48	18 2	2 12	5 2	
F 25	1 39	17 44	3 7	7 21	3 28	9 48	1 7	19 55	1 0	17 11	0 27	20 52	1 48	20 12	0 32	18 50	0 20	18 3	5 19	10 22	10 47	18 3	2 11	5 2	
S 26	2 3	18 47	4 4	7 0	3 24	9 23	1 9	19 45	1 0	17 8	0 27	20 52	1 48	20 12	0 32	18 50	0 20	18 3	5 19	10 22	10 46	18 3	2 9	5 2	
S 27	2 26	18 38	4 46	6 36	3 19	8 57	1 11	19 35	1 1	17 4	0 27	20 52	1 49	20 11	0 32	18 49	0 20	18 3	5 19	10 23	10 45	18 4	2 8	5 2	
M28	2 50	17 21	5 10	6 10	3 11	8 30	1 12	19 25	1 2	17 1	0 27	20 52	1 49	20 11	0 32	18 49	0 20	18 3	5 19	10 23	10 43	18 4	2 6	5 2	
T 29	3 13	15 4	5 15	5 41	3 2	8 4	1 14	19 15	1 3	16 58	0 28	20 52	1 49	20 10	0 32	18 49	0 20	18 3	5 19	10 22	10 42	18 5	2 5	5 2	
W30	3 37	11 59	5 3	5 10	2 51	7 37	1 15	19 4	1 4	16 55	0 28	20 52	1 49	20 10	0 32	18 48	0 20	18 4	5 18	10 22	10 41	18 5	2 3	5 2	
T 31	4n 0	8s21	4n34	4n39	2n39	7s10	1s17	18s54	1s 5	16s52	0s28	20s52	1n49	20s10	0s32	18s48	0n19	18n 4	5s18	10s21	10s40	18n 6	2s 2	5n 2	

ASTRODIENST EPHEMERIS for the year 2163

geocentric

APRIL 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 36 47	11°5'55"	9°40'	4°R43	16°11'	10°16'	14°49'	15°R51	2°17'	4°31'	3°40'	26°R49	27°43'	5°36'	13°1'	F 1
S 2	12 40 43	12° 5'14"	22°33'	3°55'	17°16'	11° 0'	14°59'	15°51'	2°18'	4°32'	3°40'	26°47'	27°39'	5°42'	13° 5'	S 2
S 3	12 44 40	13° 4'32"	5°13'	3°11'	18°29'	11°44'	15°10'	15°50'	2°20'	4°33'	3°41'	26°46'	27°36'	5°49'	13° 8'	S 3
M 4	12 48 36	14° 3'47"	17°40'	2°30'	19°43'	12°27'	15°20'	15°49'	2°22'	4°34'	3°41'	26°45'	27°33'	5°56'	13°12'	M 4
T 5	12 52 33	15° 3'01"	29°55'	1°54'	20°57'	13°11'	15°30'	15°48'	2°23'	4°36'	3°41'	26°D45	27°30'	6° 2'	13°15'	T 5
W 6	12 56 29	16° 2'12"	11°59'	1°23'	22°11'	13°55'	15°41'	15°47'	2°25'	4°37'	3°42'	26°45'	27°27'	6° 9'	13°19'	W 6
T 7	13 0 26	17° 1'22"	23°56'	0°58'	23°24'	14°39'	15°51'	15°46'	2°26'	4°38'	3°42'	26°46'	27°24'	6°16'	13°22'	T 7
F 8	13 4 23	18° 0'29"	5°11'	0°37'	24°38'	15°23'	16° 1'	15°44'	2°28'	4°39'	3°43'	26°47'	27°20'	6°22'	13°26'	F 8
S 9	13 8 19	18°59'34"	17°36'	0°23'	25°52'	16° 6'	16°11'	15°43'	2°29'	4°39'	3°43'	26°48'	27°17'	6°29'	13°29'	S 9
S 10	13 12 16	19°58'36"	29°27'	0°13'	27° 5'	16°50'	16°21'	15°42'	2°31'	4°40'	3°44'	26°49'	27°14'	6°36'	13°33'	S 10
M 11	13 16 12	20°57'37"	11°25'	0°D10	28°19'	17°34'	16°30'	15°40'	2°32'	4°41'	3°44'	26°49'	27°11'	6°42'	13°36'	M 11
T 12	13 20 9	21°56'35"	23°34'	0°11'	29°33'	18°18'	16°40'	15°38'	2°33'	4°42'	3°45'	26°R49	27° 8'	6°49'	13°39'	T 12
W 13	13 24 5	22°55'31"	5°58'	0°18'	0°Y46	19° 2'	16°49'	15°37'	2°35'	4°43'	3°45'	26°49'	27° 4'	6°56'	13°43'	W 13
T 14	13 28 2	23°54'24"	18°42'	0°30'	2° 0'	19°46'	16°59'	15°35'	2°36'	4°44'	3°46'	26°49'	27° 1'	7° 2'	13°46'	T 14
F 15	13 31 58	24°53'15"	1°49'	0°47'	3°14'	20°30'	17° 8'	15°33'	2°37'	4°44'	3°47'	26°48'	26°58'	7° 9'	13°49'	F 15
S 16	13 35 55	25°52'04"	15°21'	1° 9'	4°28'	21°13'	17°17'	15°31'	2°38'	4°45'	3°47'	26°48'	26°55'	7°16'	13°52'	S 16
S 17	13 39 52	26°50'51"	29°19'	1°35'	5°41'	21°57'	17°26'	15°29'	2°39'	4°46'	3°48'	26°D48	26°52'	7°23'	13°55'	S 17
M 18	13 43 48	27°49'35"	13°40'	2° 6'	6°55'	22°41'	17°35'	15°26'	2°40'	4°46'	3°49'	26°48'	26°49'	7°29'	13°58'	M 18
T 19	13 47 45	28°48'18"	28°20'	2°41'	8° 9'	23°25'	17°43'	15°24'	2°41'	4°47'	3°49'	26°R48	26°45'	7°36'	14° 1'	T 19
W 20	13 51 41	29°46'59"	13°13'	3°19'	9°22'	24° 9'	17°52'	15°22'	2°42'	4°48'	3°50'	26°48'	26°42'	7°43'	14° 5'	W 20
T 21	13 55 38	0°45'37"	28°10'	4° 2'	10°36'	24°53'	18° 0'	15°19'	2°43'	4°48'	3°51'	26°48'	26°39'	7°49'	14° 8'	T 21
F 22	13 59 34	1°44'14"	13°4'	4°48'	11°50'	25°37'	18° 9'	15°17'	2°44'	4°49'	3°51'	26°48'	26°36'	7°56'	14°11'	F 22
S 23	14 3 31	2°42'50"	27°47'	5°37'	13° 3'	26°21'	18°17'	15°14'	2°44'	4°49'	3°52'	26°47'	26°33'	8° 3'	14°13'	S 23
S 24	14 7 27	3°41'24"	12°31'	6°30'	14°17'	27° 5'	18°25'	15°12'	2°45'	4°50'	3°53'	26°46'	26°30'	8° 9'	14°16'	S 24
M 25	14 11 24	4°39'56"	26°22'	7°26'	15°31'	27°49'	18°33'	15° 9'	2°46'	4°50'	3°54'	26°46'	26°26'	8°16'	14°19'	M 25
T 26	14 15 21	5°38'26"	10°48'	8°25'	16°44'	28°32'	18°40'	15° 6'	2°46'	4°50'	3°55'	26°D46	26°23'	8°23'	14°22'	T 26
W 27	14 19 17	6°36'55"	23°33'	9°27'	17°58'	29°16'	18°48'	15° 3'	2°47'	4°51'	3°55'	26°46'	26°20'	8°29'	14°25'	W 27
T 28	14 23 14	7°35'22"	6°39'	10°31'	19°12'	0°41'	18°56'	15° 0'	2°47'	4°51'	3°56'	26°47'	26°17'	8°36'	14°28'	T 28
F 29	14 27 10	8°33'48"	19°28'	11°38'	20°25'	0°44'	19° 3'	14°57'	2°48'	4°51'	3°57'	26°48'	26°14'	8°43'	14°30'	F 29
S 30	14 31 7	9°32'12"	2°Y 2	12°Y48	21°Y39	1°K28	19°10'	14°54'	2°48'	4°52'	3°58'	26°49'	26°10'	8°49'	14°33'	S 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	4n23	4s21	3n52	4n 7	2n26	6s43	1s18	18s43	1s 6	16s49	0s28	20s51	1n49	20s 9	0s32	18s48	0n19	18n 4	5s18	10s20	10s39	18n 6	2s 0	5n 2			
S 2	4 46	0 13	2 58	3 35	2 12	6 15	1 20	18 32	1 7	16 46	0 28	20 51	1 49	20 9	0 32	18 48	0 19	18 4	5 18	10 19	10 38	18 6	1 59	5 2			
S 3	5 9	3n51	1 56	3 3	1 57	5 48	1 21	18 21	1 8	16 43	0 28	20 51	1 49	20 9	0 32	18 47	0 19	18 4	5 18	10 19	10 37	18 7	1 58	5 2			
M 4	5 32	7 42	0 50	2 33	1 42	5 20	1 22	18 9	1 9	16 41	0 29	20 51	1 50	20 8	0 32	18 47	0 19	18 4	5 18	10 18	10 36	18 7	1 56	5 3			
T 5	5 55	11 9	0s18	2 4	1 26	4 52	1 24	17 58	1 10	16 38	0 29	20 51	1 50	20 8	0 32	18 47	0 19	18 5	5 17	10 18	10 34	18 8	1 55	5 3			
W 6	6 18	14 5	1 24	1 37	1 10	4 24	1 25	17 46	1 11	16 35	0 29	20 50	1 50	20 8	0 32	18 47	0 19	18 5	5 17	10 18	10 33	18 8	1 53	5 3			
T 7	6 41	16 23	2 25	1 12	0 54	3 56	1 26	17 34	1 12	16 32	0 29	20 50	1 50	20 7	0 32	18 46	0 19	18 5	5 17	10 19	10 32	18 9	1 52	5 3			
F 8	7 3	17 58	3 20	0 49	0 38	3 28	1 27	17 22	1 13	16 29	0 29	20 50	1 50	20 7	0 32	18 46	0 19	18 5	5 17	10 19	10 31	18 9	1 51	5 3			
S 9	7 26	18 45	4 6	0 29	0 22	2 59	1 28	17 10	1 14	16 26	0 29	20 50	1 50	20 7	0 32	18 46	0 19	18 5	5 17	10 19	10 30	18 10	1 49	5 3			
S 10	7 48	18 43	4 42	0 11	0 7	2 31	1 29	16 58	1 15	16 24	0 30	20 49	1 50	20 6	0 32	18 46	0 19	18 5	5 17	10 20	10 29	18 10	1 48	5 3			
M11	8 10	17 50	5 6	0s 4	0s 8	2 2	1 29	16 45	1 16	16 21	0 30	20 49	1 50	20 6	0 32	18 45	0 19	18 5	5 16	10 20	10 28	18 10	1 46	5 3			
T 12	8 32	16 9	5 17	0 16	0 23	1 33	1 30	16 33	1 17	16 18	0 30	20 49	1 50	20 6	0 33	18 45	0 19	18 6	5 16	10 20	10 26	18 11	1 45	5 3			
W13	8 54	13 42	5 14	0 26	0 37	1 5	1 31	16 20	1 18	16 15	0 30	20 49	1 50	20 6	0 33	18 45	0 19	18 6	5 16	10 20	10 25	18 11	1 44	5 4			
T 14	9 16	10 32	4 55	0 34	0 50	0 36	1 31	16 7	1 19	16 13	0 30	20 48	1 51	20 5	0 33	18 45	0 19	18 6	5 16	10 20	10 24	18 12	1 42	5 4			
F 15	9 38	6 46	4 20	0 39	1 3	0 7	1 32	15 54	1 20	16 10	0 30	20 48	1 51	20 5	0 33	18 45	0 19	18 6	5 16	10 19	10 23	18 12	1 41	5 4			
S 16	9 59	2 32	3 31	0 41	1 15	0n22	1 32	15 41	1 21	16 8	0 31	20 48	1 51	20 5	0 33	18 45	0 19	18 6	5 16	10 19	10 22	18 13	1 40	5 4			
S 17	10 20	1s59	2 27	0 41	1 26	0 50	1 32	15 28	1 22	16 5	0 31	20 47	1 51	20 5	0 33	18 44	0 19	18 6	5 15	10 19	10 21	18 13	1 38	5 4			
M18	10 41	6 30	1 12	0 39	1 36	1 19	1 33	15 14	1 22	16 3	0 31	20 47	1 51	20 5	0 33	18 44	0 19	18 7	5 15	10 19	10 20	18 13	1 37	5 4			
T 19	11 2	10 44	0n 8	0 34	1 46	1 48	1 33	15 1	1 23	16 0	0 31	20 47	1 51	20 4	0 33	18 44	0 19	18 7	5 15	10 19	10 18	18 14	1 36	5 4			
W20	11 23	14 22	1 30	0 27	1 56	2 17	1 33	14 47	1 24	15 58	0 31	20 46	1 51	20 4	0 33	18 44	0 19	18 7	5 15	10 19	10 17	18 14	1 34	5 5			
T 21	11 44	17 2	2 46	0 18	2 4	2 46	1 33	14 33	1 25	15 55	0 32	20 46	1 51	20 4	0 33	18 44	0 19	18 7	5 15	10 19	10 16	18 15	1 33	5 5			
F 22	12 4	18 33	3 50	0 7	2 12	3 15	1 33	14 19	1 26	15 53	0 32	20 46	1 51	20 4	0 33	18 44	0 19	18 7	5 15	10 19	10 15	18 15	1 32	5 5			
S 23	12 24	18 46	4 38	0n 6	2 19	3 43	1 33	14 5	1 27	15 50	0 32	20 45	1 51	20 4	0 33	18 44	0 19	18 7	5 14	10 19	10 14	18 15	1 30	5 5			
S 24	12 44	17 45	5 7	0 21	2 26	4 12	1 33	13 51	1 28	15 48	0 32	20 45	1 51	20 4	0 33	18 43	0 19	18 7	5 14	10 19	10 13	18 16	1 29	5 5			
M25	13 4	15 40	5 17	0 38	2 31	4 40	1 33	13 37	1 29	15 46	0 32	20 45	1 52	20 3	0 33	18 43	0 19	18 7	5 14	10 19	10 12	18 16	1 28	5 5			
T 26	13 23	12 43	5 9	0 56	2 36	5 9	1 32	13 23	1 30	15 44	0 32	20 44	1 52	20 3	0 33	18 43	0 19	18 8	5 14	10 19	10 10	18 17	1 27	5 5			
W27	13 43	9 11	4 44	1 16	2 41	5 37	1 32	13 8	1 31	15 42	0 33	20 44	1 52	20 3	0 33	18 43	0 19	18 8	5 14	10 19	10 9	18 17	1 26	5 6			
T 28	14 2	5 17	4 4	1 38	2 45	6 6	1 32	12 54	1 32	15 39	0 33	20 43	1 52	20 3	0 33	18 43	0 19	18 8	5 14	10 19	10 8	18 17	1 24	5 6			
F 29	14 21	1 13	3 13	2 1	2 48	6 34	1 31	12 39	1 33	15 37	0 33	20 43	1 52	20 3	0 33	18 43	0 19	18 8	5 14	10 19	10 7	18 18	1 23	5 6			
S 30	14n39	2n51	2n13	2n26	2s51	7n 2	1s31	12s24	1s34	15s35	0s33	20s43	1n52	20s 3	0s33	18s43	0n19	18n 8	5s13	10s20	10s 6	18n18	1s22	5n 6			

ASTRODIENST EPHEMERIS for the year 2163

geocentric

MAY 2163

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 3	10°30'34	14°23	14°0	22°53	2°12	19°17	14°R51	2°49	4°52	3°59	26°50	26° 7	8°56	14°35	S 1
M 2	14 39 0	11°28'54	26°34	15°14	24° 6	2°56	19°24	14°47	2°49	4°52	4° 0	26°R50	26° 4	9° 3	14°38	M 2
T 3	14 42 56	12°27'13	8°37	16°31	25°20	3°40	19°31	14°44	2°49	4°52	4° 1	26°50	26° 1	9° 9	14°41	T 3
W 4	14 46 53	13°25'30	20°33	17°50	26°34	4°24	19°37	14°41	2°49	4°52	4° 2	26°49	25°58	9°16	14°43	W 4
T 5	14 50 49	14°23'46	2°26	19°11	27°47	5° 7	19°44	14°37	2°49	4°52	4° 3	26°47	25°55	9°23	14°45	T 5
F 6	14 54 46	15°21'59	14°15	20°35	29° 1	5°51	19°50	14°34	2°50	4°52	4° 4	26°44	25°51	9°29	14°48	F 6
S 7	14 58 43	16°20'11	26° 5	22° 0	0°15	6°35	19°56	14°30	2°R50	4°R53	4° 5	26°41	25°48	9°36	14°50	S 7
S 8	15 2 39	17°18'21	7°58	23°28	1°28	7°19	20° 2	14°26	2°50	4°52	4° 6	26°38	25°45	9°43	14°52	S 8
M 9	15 6 36	18°16'29	19°56	24°57	2°42	8° 3	20° 8	14°23	2°49	4°52	4° 7	26°35	25°42	9°49	14°55	M 9
T 10	15 10 32	19°14'35	2° 5	26°29	3°55	8°46	20°14	14°19	2°49	4°52	4° 8	26°33	25°39	9°56	14°57	T 10
W11	15 14 29	20°12'39	14°26	28° 3	5° 9	9°30	20°19	14°15	2°49	4°52	4° 9	26°D32	25°36	10° 3	14°59	W11
T 12	15 18 25	21°10'41	27° 6	29°38	6°23	10°14	20°25	14°11	2°49	4°52	4°10	26°32	25°32	10°10	15° 1	T 12
F 13	15 22 22	22° 8'42	10° 7	1°16	7°36	10°58	20°30	14° 7	2°49	4°52	4°11	26°33	25°29	10°16	15° 3	F 13
S 14	15 26 18	23° 6'40	23°33	2°56	8°50	11°41	20°35	14° 3	2°48	4°52	4°13	26°34	25°26	10°23	15° 5	S 14
S 15	15 30 15	24° 4'37	7°26	4°37	10° 3	12°25	20°40	13°59	2°48	4°52	4°14	26°36	25°23	10°30	15° 7	S 15
M16	15 34 12	25° 2'31	21°45	6°21	11°17	13° 9	20°44	13°55	2°48	4°51	4°15	26°R36	25°20	10°36	15° 9	M16
T 17	15 38 8	26° 0'24	6°29	8° 6	12°31	13°52	20°49	13°51	2°47	4°51	4°16	26°36	25°16	10°43	15°11	T 17
W18	15 42 5	26°58'16	21°32	9°54	13°44	14°36	20°53	13°47	2°47	4°51	4°17	26°35	25°13	10°50	15°13	W18
T 19	15 46 1	27°56'06	6°44	11°44	14°58	15°19	20°57	13°43	2°46	4°50	4°18	26°32	25°10	10°56	15°14	T 19
F 20	15 49 58	28°53'55	21°57	13°35	16°11	16° 3	21° 1	13°39	2°46	4°50	4°20	26°27	25° 7	11° 3	15°16	F 20
S 21	15 53 54	29°51'42	7° 0	15°29	17°25	16°46	21° 5	13°34	2°45	4°49	4°21	26°23	25° 4	11°10	15°18	S 21
S 22	15 57 51	0°49'28	21°45	17°25	18°39	17°30	21° 9	13°30	2°44	4°49	4°22	26°18	25° 1	11°16	15°19	S 22
M23	16 1 48	1°47'13	6° 5	19°22	19°52	18°13	21°12	13°26	2°44	4°48	4°23	26°15	24°57	11°23	15°21	M23
T 24	16 5 44	2°44'57	19°59	21°22	21° 6	18°57	21°15	13°21	2°43	4°48	4°25	26°13	24°54	11°30	15°22	T 24
W25	16 9 41	3°42'40	3°25	23°23	22°19	19°40	21°18	13°17	2°42	4°47	4°26	26°D12	24°51	11°36	15°24	W25
T 26	16 13 37	4°40'22	16°27	25°26	23°33	20°24	21°21	13°13	2°41	4°47	4°27	26°12	24°48	11°43	15°25	T 26
F 27	16 17 34	5°38'03	29° 8	27°31	24°47	21° 7	21°24	13° 8	2°40	4°46	4°28	26°14	24°45	11°50	15°26	F 27
S 28	16 21 30	6°35'42	11°31	29°37	26° 0	21°50	21°27	13° 4	2°39	4°46	4°30	26°15	24°41	11°56	15°28	S 28
S 29	16 25 27	7°33'21	23°40	1°45	27°14	22°33	21°29	13° 0	2°38	4°45	4°31	26°R16	24°38	12° 3	15°29	S 29
M30	16 29 23	8°30'59	5°41	3°54	28°27	23°17	21°31	12°55	2°37	4°44	4°32	26°16	24°35	12°10	15°30	M30
T 31	16 33 20	9°28'35	17°35	6° 4	29°41	24° 0	21°33	12°51	2°36	4°44	4°34	26°13	24°32	12°17	15°31	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14n58	6n43	1n 8	2n52	2s52	7n30	1s30	12s 9	1s35	15s33	0s33	20s42	1n52	20s 3	0s33	S 1
M 2	15 16	10 16	0 1	3 19	2 54	7 57	1 29	11 55	1 36	15 31	0 34	20 42	1 52	20 3	0 33	M 2
T 3	15 34	13 20	1s 5	3 48	2 54	8 25	1 29	11 39	1 37	15 29	0 34	20 41	1 52	20 3	0 33	T 3
W 4	15 51	15 49	2 7	4 18	2 55	8 52	1 28	11 24	1 38	15 27	0 34	20 41	1 52	20 3	0 33	W 4
T 5	16 9	17 37	3 4	4 49	2 54	9 19	1 27	11 9	1 39	15 26	0 34	20 40	1 52	20 3	0 33	T 5
F 6	16 26	18 38	3 53	5 21	2 53	9 46	1 26	10 54	1 40	15 24	0 35	20 40	1 52	20 3	0 33	F 6
S 7	16 42	18 50	4 31	5 55	2 51	10 13	1 25	10 39	1 41	15 22	0 35	20 40	1 52	20 3	0 33	S 7
S 8	16 59	18 13	4 58	6 29	2 49	10 39	1 24	10 23	1 41	15 20	0 35	20 39	1 52	20 3	0 33	S 8
M 9	17 15	16 47	5 13	7 4	2 47	11 6	1 23	10 8	1 42	15 19	0 35	20 39	1 52	20 3	0 33	M 9
T 10	17 31	14 35	5 13	7 40	2 43	11 32	1 22	9 52	1 43	15 17	0 35	20 38	1 52	20 3	0 33	T 10
W11	17 47	11 42	5 0	8 17	2 39	11 57	1 21	9 36	1 44	15 16	0 36	20 38	1 52	20 3	0 34	W11
T 12	18 2	8 13	4 31	8 55	2 35	12 23	1 19	9 21	1 45	15 14	0 36	20 37	1 52	20 3	0 34	T 12
F 13	18 17	4 14	3 48	9 33	2 30	12 48	1 18	9 5	1 46	15 13	0 36	20 37	1 52	20 3	0 34	F 13
S 14	18 32	0s 4	2 52	10 13	2 25	13 13	1 17	8 49	1 47	15 11	0 36	20 36	1 52	20 3	0 34	S 14
S 15	18 46	4 32	1 43	10 52	2 19	13 38	1 15	8 33	1 48	15 10	0 36	20 36	1 52	20 4	0 34	S 15
M16	19 0	8 53	0 27	11 33	2 12	14 2	1 14	8 18	1 49	15 9	0 37	20 35	1 52	20 4	0 34	M16
T 17	19 14	12 49	0n54	12 13	2 5	14 26	1 12	8 2	1 50	15 8	0 37	20 35	1 52	20 4	0 34	T 17
W18	19 28	16 0	2 12	12 54	1 58	14 49	1 11	7 46	1 51	15 6	0 37	20 34	1 52	20 4	0 34	W18
T 19	19 41	18 5	3 22	13 36	1 50	15 13	1 9	7 30	1 51	15 5	0 37	20 34	1 52	20 4	0 34	T 19
F 20	19 54	18 53	4 18	14 17	1 42	15 35	1 7	7 13	1 52	15 4	0 38	20 33	1 52	20 4	0 34	F 20
S 21	20 6	18 20	4 55	14 59	1 33	15 58	1 6	6 57	1 53	15 3	0 38	20 33	1 52	20 5	0 34	S 21
S 22	20 18	16 32	5 11	15 40	1 24	16 20	1 4	6 41	1 54	15 2	0 38	20 32	1 52	20 5	0 34	S 22
M23	20 30	13 46	5 7	16 21	1 15	16 41	1 2	6 25	1 55	15 1	0 38	20 32	1 52	20 5	0 34	M23
T 24	20 41	10 17	4 46	17 2	1 5	17 3	1 0	6 9	1 56	15 1	0 39	20 31	1 52	20 5	0 34	T 24
W25	20 52	6 22	4 9	17 43	0 55	17 24	0 58	5 52	1 57	15 0	0 39	20 31	1 52	20 5	0 34	W25
T 26	21 3	2 16	3 20	18 23	0 45	17 44	0 56	5 36	1 57	14 59	0 39	20 30	1 52	20 6	0 34	T 26
F 27	21 13	1n50	2 22	19 2	0 34	18 4	0 54	5 20	1 58	14 58	0 39	20 30	1 52	20 6	0 34	F 27
S 28	21 23	5 46	1 19	19 40	0 24	18 23	0 52	5 4	1 59	14 58	0 39	20 29	1 52	20 6	0 34	S 28
S 29	21 33	9 24	0 14	20 17	0 13	18 42	0 50	4 47	2 0	14 57	0 40	20 29	1 52	20 6	0 34	S 29
M30	21 42	12 36	0s51	20 52	0 2	19 1	0 48	4 31	2 1	14 57	0 40	20 28	1 52	20 7	0 34	M30
T 31	21n51	15n15	1s53	21n26	0n 8	19n19	0s46	4s15	2s 2	14s56	0s40	20s28	1n52	20s 7	0s34	T 31

Julian Day Number = 2511199.5, Delta T = 131.28 sec
 Ecliptic obliquity = 23°24'57, Nutation = 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°01'21, Lahiri = 26°08'22

ASTRODIENST EPHEMERIS for the year 2163
geocentric

JUNE 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 37 16	10 ^{II} 26'11	29 [♂] 25	8 ^{II} 15	0 ^{II} 55	24 [♂] 43	21 [♂] 35	12 [°] R46	2 [°] R35	4 [°] R43	4 [°] 35	26 [°] R 9	24 [♂] 29	12 ^{II} 23	15 [♂] 32	W 1
T 2	16 41 13	11 [°] 23'46	11 ^{II} 15	10 [°] 27	2 [°] 8	25 [°] 26	21 [°] 36	12 [°] 42	2 [°] 34	4 [°] 42	4 [°] 36	26 [°] 3	24 [°] 26	12 [°] 30	15 [°] 33	T 2
F 3	16 45 10	12 [°] 21'19	23 [°] 5	12 [°] 39	3 [°] 22	26 [°] 9	21 [°] 38	12 [°] 37	2 [°] 33	4 [°] 41	4 [°] 38	25 [°] 55	24 [°] 22	12 [°] 37	15 [°] 34	F 3
S 4	16 49 6	13 [°] 18'52	4 [°] 57	14 [°] 51	4 [°] 35	26 [°] 52	21 [°] 39	12 [°] 33	2 [°] 31	4 [°] 40	4 [°] 39	25 [°] 46	24 [°] 19	12 [°] 43	15 [°] 35	S 4
S 5	16 53 3	14 [°] 16'23	16 [°] 54	17 [°] 3	5 [°] 49	27 [°] 35	21 [°] 40	12 [°] 28	2 [°] 30	4 [°] 39	4 [°] 41	25 [°] 37	24 [°] 16	12 [°] 50	15 [°] 36	S 5
M 6	16 56 59	15 [°] 13'53	28 [°] 58	19 [°] 14	7 [°] 3	28 [°] 18	21 [°] 41	12 [°] 24	2 [°] 29	4 [°] 39	4 [°] 42	25 [°] 29	24 [°] 13	12 [°] 57	15 [°] 37	M 6
T 7	17 0 56	16 [°] 11'22	11 ^{II} 10	21 [°] 25	8 [°] 16	29 [°] 0	21 [°] 41	12 [°] 20	2 [°] 27	4 [°] 38	4 [°] 43	25 [°] 22	24 [°] 10	13 [°] 3	15 [°] 37	T 7
W 8	17 4 52	17 [°] 8'50	23 [°] 33	23 [°] 35	9 [°] 30	29 [°] 43	21 [°] 42	12 [°] 15	2 [°] 26	4 [°] 37	4 [°] 45	25 [°] 17	24 [°] 7	13 [°] 10	15 [°] 38	W 8
T 9	17 8 49	18 [°] 6'16	6 ^{II} 12	25 [°] 43	10 [°] 43	0 [°] 26	21 [°] 42	12 [°] 11	2 [°] 24	4 [°] 36	4 [°] 46	25 [°] 14	24 [°] 3	13 [°] 17	15 [°] 39	T 9
F 10	17 12 46	19 [°] 3'41	19 [°] 9	27 [°] 51	11 [°] 57	1 [°] 8	21 [°] R42	12 [°] 6	2 [°] 23	4 [°] 35	4 [°] 48	25 [°] D14	24 [°] 0	13 [°] 23	15 [°] 39	F 10
S 11	17 16 42	20 [°] 1'06	2 [♂] 27	29 [°] 56	13 [°] 11	1 [°] 51	21 [°] 42	12 [°] 2	2 [°] 21	4 [°] 34	4 [°] 49	25 [°] 14	23 [°] 57	13 [°] 30	15 [°] 40	S 11
S 12	17 20 39	20 [°] 58'29	16 [°] 11	2 [♂] 0	14 [°] 24	2 [°] 33	21 [°] 42	11 [°] 58	2 [°] 20	4 [°] 33	4 [°] 50	25 [°] 15	23 [°] 54	13 [°] 37	15 [°] 40	S 12
M13	17 24 35	21 [°] 55'50	0 ^{II} 20	4 [°] 1	15 [°] 38	3 [°] 16	21 [°] 41	11 [°] 53	2 [°] 18	4 [°] 32	4 [°] 52	25 [°] R15	23 [°] 51	13 [°] 44	15 [°] 40	M13
T 14	17 28 32	22 [°] 53'11	14 [°] 56	6 [°] 1	16 [°] 51	3 [°] 58	21 [°] 41	11 [°] 49	2 [°] 16	4 [°] 31	4 [°] 53	25 [°] 14	23 [°] 47	13 [°] 50	15 [°] 41	T 14
W15	17 32 28	23 [°] 50'31	29 [°] 53	7 [°] 59	18 [°] 5	4 [°] 40	21 [°] 40	11 [°] 45	2 [°] 15	4 [°] 29	4 [°] 55	25 [°] 10	23 [°] 44	13 [°] 57	15 [°] 41	W15
T 16	17 36 25	24 [°] 47'51	15 [♂] 4	9 [°] 54	19 [°] 19	5 [°] 23	21 [°] 39	11 [°] 40	2 [°] 13	4 [°] 28	4 [°] 56	25 [°] 4	23 [°] 41	14 [°] 4	15 [°] 41	T 16
F 17	17 40 21	25 [°] 45'09	0 [♂] 21	11 [°] 47	20 [°] 32	6 [°] 5	21 [°] 37	11 [°] 36	2 [°] 11	4 [°] 27	4 [°] 58	24 [°] 56	23 [°] 38	14 [°] 10	15 [°] 41	F 17
S 18	17 44 18	26 [°] 42'27	15 [°] 32	13 [°] 38	21 [°] 46	6 [°] 47	21 [°] 36	11 [°] 32	2 [°] 10	4 [°] 26	4 [°] 59	24 [°] 47	23 [°] 35	14 [°] 17	15 [°] 41	S 18
S 19	17 48 15	27 [°] 39'44	0 [♂] 27	15 [°] 26	23 [°] 0	7 [°] 29	21 [°] 34	11 [°] 28	2 [°] 8	4 [°] 25	5 [°] 0	24 [°] 38	23 [°] 32	14 [°] 24	15 [°] R41	S 19
M20	17 52 11	28 [°] 37'01	14 [°] 58	17 [°] 12	24 [°] 13	8 [°] 11	21 [°] 32	11 [°] 23	2 [°] 6	4 [°] 24	5 [°] 2	24 [°] 31	23 [°] 28	14 [°] 30	15 [°] 41	M20
T 21	17 56 8	29 [°] 34'17	29 [°] 0	18 [°] 56	25 [°] 27	8 [°] 53	21 [°] 30	11 [°] 19	2 [°] 4	4 [°] 22	5 [°] 3	24 [°] 25	23 [°] 25	14 [°] 37	15 [°] 41	T 21
W22	18 0 4	0 [♂] 31'33	12 [♂] 33	20 [°] 37	26 [°] 40	9 [°] 34	21 [°] 28	11 [°] 15	2 [°] 2	4 [°] 21	5 [°] 5	24 [°] 21	23 [°] 22	14 [°] 44	15 [°] 41	W22
T 23	18 4 1	1 [°] 28'49	25 [°] 37	22 [°] 15	27 [°] 54	10 [°] 16	21 [°] 26	11 [°] 11	2 [°] 0	4 [°] 20	5 [°] 6	24 [°] 20	23 [°] 19	14 [°] 50	15 [°] 41	T 23
F 24	18 7 57	2 [°] 26'05	8 [°] 17	23 [°] 52	29 [°] 8	10 [°] 57	21 [°] 23	11 [°] 7	1 [°] 58	4 [°] 19	5 [°] 8	24 [°] D20	23 [°] 16	14 [°] 57	15 [°] 41	F 24
S 25	18 11 54	3 [°] 23'20	20 [°] 37	25 [°] 26	0 [♂] 21	11 [°] 39	21 [°] 21	11 [°] 3	1 [°] 56	4 [°] 17	5 [°] 9	24 [°] R20	23 [°] 13	15 [°] 4	15 [°] 40	S 25
S 26	18 15 50	4 [°] 20'36	2 [♂] 43	26 [°] 57	1 [°] 35	12 [°] 20	21 [°] 18	10 [°] 59	1 [°] 54	4 [°] 16	5 [°] 11	24 [°] 20	23 [°] 9	15 [°] 11	15 [°] 40	S 26
M27	18 19 47	5 [°] 17'51	14 [°] 38	28 [°] 26	2 [°] 49	13 [°] 2	21 [°] 14	10 [°] 55	1 [°] 52	4 [°] 14	5 [°] 12	24 [°] 18	23 [°] 6	15 [°] 17	15 [°] 40	M27
T 28	18 23 44	6 [°] 15'06	26 [°] 28	29 [°] 52	4 [°] 3	13 [°] 43	21 [°] 11	10 [°] 52	1 [°] 50	4 [°] 13	5 [°] 14	24 [°] 14	23 [°] 3	15 [°] 24	15 [°] 39	T 28
W29	18 27 40	7 [°] 12'21	8 ^{II} 17	1 ^{II} 16	5 [°] 16	14 [°] 24	21 [°] 8	10 [°] 48	1 [°] 48	4 [°] 12	5 [°] 15	24 [°] 7	23 [°] 0	15 [°] 31	15 [°] 38	W29
T 30	18 31 37	8 [°] 29'36	20 ^{II} 7	2 ^{II} 37	6 [♂] 30	15 [°] 5	21 [°] 31	10 [°] 44	1 [°] 46	4 [°] 10	5 [°] 16	23 [°] 58	22 [°] 57	15 [°] 37	15 [°] 38	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	21n59	17n15	2s50	21n58	0n19	19n36	0s44	3s58	2s 2	14s56	0s40	20s27	1n52	20s 7	0s34	18s45	0n19	18n11	5s 9	10s 5	9s29	18n28	0s53	5n13	
T 2	22 8	18 29	3 39	22 28	0 29	19 53	0 42	3 42	2 3	14 56	0 41	20 27	1 52	20 7	0 34	18 45	0 19	18 11	5 9	10 3	9 28	18 28	0 52	5 14	
F 3	22 15	18 56	4 19	22 56	0 39	20 9	0 40	3 26	2 4	14 56	0 41	20 26	1 52	20 8	0 34	18 45	0 19	18 11	5 9	10 0	9 26	18 28	0 51	5 14	
S 4	22 22	18 32	4 47	23 22	0 49	20 25	0 38	3 9	2 5	14 55	0 41	20 26	1 52	20 8	0 34	18 46	0 19	18 11	5 9	9 57	9 25	18 29	0 51	5 14	
S 5	22 29	17 20	5 3	23 45	0 58	20 40	0 35	2 53	2 6	14 55	0 41	20 25	1 52	20 8	0 34	18 46	0 19	18 11	5 9	9 54	9 24	18 29	0 50	5 14	
M 6	22 36	15 21	5 6	24 5	1 7	20 55	0 33	2 37	2 6	14 55	0 42	20 25	1 52	20 9	0 34	18 46	0 19	18 11	5 9	9 51	9 23	18 29	0 50	5 15	
T 7	22 42	12 40	4 56	24 23	1 15	21 9	0 31	2 20	2 7	14 55	0 42	20 24	1 52	20 9	0 34	18 46	0 19	18 11	5 9	9 48	9 22	18 29	0 49	5 15	
W 8	22 48	9 23	4 31	24 38	1 23	21 23	0 29	2 4	2 8	14 55	0 42	20 24	1 51	20 9	0 34	18 47	0 19	18 11	5 9	9 46	9 21	18 30	0 49	5 15	
T 9	22 53	5 38	3 52	24 51	1 30	21 36	0 26	1 48	2 9	14 56	0 42	20 23	1 51	20 10	0 34	18 47	0 19	18 11	5 9	9 45	9 19	18 30	0 48	5 15	
F 10	22 58	1 31	3 1	25 0	1 36	21 48	0 24	1 32	2 9	14 56	0 43	20 23	1 51	20 10	0 34	18 47	0 19	18 11	5 9	9 45	9 18	18 30	0 48	5 16	
S 11	23 2	2s48	1 59	25 7	1 42	22 0	0 22	1 15	2 10	14 56	0 43	20 22	1 51	20 11	0 35	18 47	0 19	18 11	5 9	9 45	9 17	18 30	0 48	5 16	
S 12	23 7	7 6	0 49	25 11	1 47	22 11	0 19	0 59	2 11	14 56	0 43	20 22	1 51	20 11	0 35	18 48	0 19	18 11	5 8	9 46	9 16	18 31	0 47	5 16	
M13	23 10	11 9	0n27	25 12	1 51	22 22	0 17	0 43	2 12	14 57	0 43	20 21	1 51	20 11	0 35	18 48	0 19	18 11	5 8	9 46	9 15	18 31	0 47	5 16	
T 14	23 13	14 39	1 43	25 11	1 55	22 32	0 15	0 27	2 12	14 57	0 44	20 21	1 51	20 12	0 35	18 48	0 19	18 11	5 8	9 45	9 14	18 31	0 46	5 17	
W15	23 16	17 16	2 54	25 8	1 57	22 41	0 12	0 11	2 13	14 58	0 44	20 20	1 51	20 12	0 35	18 48	0 19	18 11	5 8	9 44	9 12	18 31	0 46	5 17	
T 16	23 19	18 42	3 54	25 2	1 59	22 49	0 10	0n 5	2 14	14 58	0 44	20 20	1 51	20 13	0 35	18 49	0 19	18 11	5 8	9 42	9 11	18 31	0 46	5 17	
F 17	23 21	18 48	4 37	24 54	2 0	22 57	0 7	0 21	2 14	14 59	0 44	20 20	1 51	20 13	0 35	18 49	0 19	18 11	5 8	9 39	9 10	18 32	0 45	5 17	
S 18	23 22	17 32	5 0	24 43	2 1	23 5	0 5	0 37	2 15	15 0	0 45	20 19	1 50	20 13	0 35	18 49	0 19	18 12	5 8	9 35	9 9	18 32	0 45	5 18	
S 19	23 24	15 6	5 3	24 31	2 1	23 11	0 3	0 53	2 16	15 0	0 45	20 19	1 50	20 14	0 35	18 49	0 19	18 12	5 8	9 32	9 8	18 32	0 45	5 18	
M20	23 25	11 47	4 45	24 17	2 0	23 17	0 0	1 9	2 16	15 1	0 45	20 18	1 50	20 14	0 35	18 50	0 19	18 12	5 8	9 29	9 6	18 32	0 45	5 18	
T 21	23 25	7 53	4 11	24 2	1 58	23 22	0n 2	1 25	2 17	15 2	0 45	20 18	1 50	20 15	0 35	18 50	0 19	18 12	5 8	9 27	9 5	18 32	0 45	5 18	
W22	23 25	3 43	3 23	23 44	1 55	23 27	0 5	1 41	2 18	15 3	0 46	20 17	1 50	20 15	0 35	18 50	0 19	18 12	5 8	9 26	9 4	18 33	0 44	5 19	
T 23	23 24	0n30	2 27	23 26	1 52	23 31	0 7	1 56	2 18	15 4	0 46	20 17	1 50	20 16	0 35	18 51	0 19	18 12	5 8	9 25	9 3	18 33	0 44	5 19	
F 24	23 24	4 35	1 25	23 6	1 49	23 34	0 9	2 12	2 19	15 5	0 46	20 17	1 50	20 16	0 35	18 51	0 19	18 12	5 8	9 25	9 2	18 33	0 44	5 19	
S 25	23 22	8 21	0 20	22 44	1 44	23 37	0 12	2 28	2 20	15 6	0 46	20 16	1 50	20 17	0 35	18 51	0 19	18 12	5 8	9 26	9 1	18 33	0 44	5 19	
S 26	23 21	11 42	0s44	22 22	1 39	23 38	0 14	2 43	2 20	15 7	0 46	20 16	1 49	20 17	0 35	18 52	0 19	18 12	5 8	9 26	8 59	18 33	0 44	5 20	
M27	23 19	14 32	1 46	21 59	1 33	23 40	0 16	2 59	2 21	15 9	0 47	20 15	1 49	20 17	0 35	18 52	0 19	18 12	5 7	9 25	8 58	18 34	0 44	5 20	
T 28	23 16	16 43	2 42	21 34	1 27	23 40	0 19	3 14	2 21	15 10	0 47	20 15	1 49	20 18	0 35	18 52	0 19	18 12	5 7	9 23	8 57	18 34	0 44	5 20	
W29	23 13	18 12	3 31	21 9	1 20	23 40	0 21	3 29	2 22	15 11	0 47	20 15	1 49	20 18	0 35	18 53	0 19	18 12	5 7	9 21	8 56	18 34	0 44	5 20	
T 30	23n10	18n53	4s11	20n44	1n12	23n39	0n23	3n45	2s22	15s13	0s47	20s14	1n49	20s19	0s35	18s53	0n19	18n12	5s 7	9s17	8s55	18n34	0s44	5n21	

ASTRODIENST EPHEMERIS for the year 2163
geocentric

JULY 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 35 33	9♂ 6'51	2♂ 0	3♂56	7♂44	15♂46	21°R 0	10°R41	1°R44	4°R 9	5♂18	23°R46	22♂53	15♂44	15°R37	F 1
S 2	18 39 30	10° 4'05	13°59	5°12	8°57	16°26	20♂56	10♂37	1♂42	4♂ 7	5°19	23♂33	22°50	15°51	15♂36	S 2
S 3	18 43 26	11° 1'19	26° 4	6°25	10°11	17° 7	20°52	10°33	1°39	4° 6	5°21	23°20	22°47	15°57	15°36	S 3
M 4	18 47 23	11°58'33	8♂17	7°35	11°25	17°48	20°48	10°30	1°37	4° 5	5°22	23° 7	22°44	16° 4	15°35	M 4
T 5	18 51 19	12°55'47	20°39	8°43	12°39	18°28	20°43	10°27	1°35	4° 3	5°24	22°57	22°41	16°11	15°34	T 5
W 6	18 55 16	13°53'01	3♂11	9°48	13°52	19° 8	20°38	10°23	1°33	4° 2	5°25	22°49	22°38	16°17	15°33	W 6
T 7	18 59 13	14°50'14	15°55	10°49	15° 6	19°48	20°34	10°20	1°30	4° 0	5°27	22°44	22°34	16°24	15°32	T 7
F 8	19 3 9	15°47'27	28°55	11°48	16°20	20°28	20°29	10°17	1°28	3°59	5°28	22°42	22°31	16°31	15°31	F 8
S 9	19 7 6	16°44'39	12♂12	12°43	17°34	21° 8	20°23	10°14	1°26	3°57	5°29	22°41	22°28	16°38	15°30	S 9
S 10	19 11 2	17°41'52	25°49	13°36	18°47	21°48	20°18	10°10	1°24	3°56	5°31	22°41	22°25	16°44	15°29	S 10
M 11	19 14 59	18°39'04	9♂48	14°24	20° 1	22°28	20°13	10° 7	1°21	3°54	5°32	22°40	22°22	16°51	15°28	M 11
T 12	19 18 55	19°36'16	24° 9	15° 9	21°15	23° 7	20° 7	10° 5	1°19	3°52	5°34	22°38	22°19	16°58	15°26	T 12
W 13	19 22 52	20°33'28	8♂51	15°51	22°29	23°46	20° 1	10° 2	1°17	3°51	5°35	22°33	22°15	17° 4	15°25	W 13
T 14	19 26 48	21°30'40	23°48	16°28	23°43	24°26	19°56	9°59	1°14	3°49	5°37	22°26	22°12	17°11	15°24	T 14
F 15	19 30 45	22°27'52	8♂53	17° 2	24°56	25° 5	19°50	9°56	1°12	3°48	5°38	22°16	22° 9	17°18	15°22	F 15
S 16	19 34 42	23°25'04	23°56	17°32	26°10	25°44	19°44	9°54	1°10	3°46	5°39	22° 6	22° 6	17°24	15°21	S 16
S 17	19 38 38	24°22'16	8♂47	17°57	27°24	26°22	19°37	9°51	1° 7	3°45	5°41	21°55	22° 3	17°31	15°19	S 17
M 18	19 42 35	25°19'28	23°18	18°18	28°38	27° 1	19°31	9°49	1° 5	3°43	5°42	21°45	21°59	17°38	15°18	M 18
T 19	19 46 31	26°16'42	7♂23	18°34	29°52	27°39	19°24	9°46	1° 2	3°41	5°44	21°38	21°56	17°45	15°16	T 19
W 20	19 50 28	27°13'55	20°59	18°46	1♂ 6	28°18	19°18	9°44	1° 0	3°40	5°45	21°33	21°53	17°51	15°15	W 20
T 21	19 54 24	28°11'09	4♂ 7	18°53	2°19	28°56	19°11	9°42	0°58	3°38	5°46	21°30	21°50	17°58	15°13	T 21
F 22	19 58 21	29° 8'24	16°49	18°R55	3°33	29°34	19° 4	9°40	0°55	3°36	5°48	21°29	21°47	18° 5	15°11	F 22
S 23	20 2 17	0♂ 5'40	29°11	18°53	4°47	0♂11	18°57	9°38	0°53	3°35	5°49	21°29	21°44	18°11	15° 9	S 23
S 24	20 6 14	1° 2'56	11♂17	18°45	6° 1	0°49	18°50	9°36	0°50	3°33	5°50	21°29	21°40	18°18	15° 8	S 24
M 25	20 10 11	2° 0'13	23°13	18°32	7°15	1°26	18°43	9°34	0°48	3°32	5°52	21°27	21°37	18°25	15° 6	M 25
T 26	20 14 7	2°57'31	5♂ 3	18°15	8°29	2° 3	18°36	9°32	0°46	3°30	5°53	21°23	21°34	18°31	15° 4	T 26
W 27	20 18 4	3°54'50	16°53	17°53	9°43	2°40	18°29	9°30	0°43	3°28	5°54	21°17	21°31	18°38	15° 2	W 27
T 28	20 22 0	4°52'10	28°45	17°27	10°57	3°17	18°22	9°29	0°41	3°27	5°56	21° 8	21°28	18°45	15° 0	T 28
F 29	20 25 57	5°49'30	10♂44	16°56	12°11	3°54	18°14	9°27	0°38	3°25	5°57	20°57	21°25	18°52	14°58	F 29
S 30	20 29 53	6°46'51	22°51	16°22	13°25	4°30	18° 7	9°26	0°36	3°23	5°58	20°44	21°21	18°58	14°56	S 30
S 31	20 33 50	7♂44'13	5♂ 7	15♂44	14♂38	5♂ 6	17♂59	9♂24	0♂34	3♂22	6♂ 0	20♂32	21♂18	19♂ 5	14♂54	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23n 6	18n44	4s40	20n18	1n 4	23n37	0n26	4n 0	2s23	15s14	0s48	20s14	1n49	20s19	0s35	F 1
S 2	23 2	17 46	4 56	19 51	0 56	23 35	0 28	4 15	2 24	15 16	0 48	20 14	1 49	20 20	0 35	S 2
S 3	22 58	16 0	5 0	19 24	0 46	23 32	0 30	4 30	2 24	15 17	0 48	20 13	1 48	20 20	0 35	S 3
M 4	22 53	13 30	4 50	18 57	0 37	23 28	0 32	4 45	2 25	15 19	0 48	20 13	1 48	20 21	0 35	M 4
T 5	22 47	10 23	4 27	18 29	0 27	23 23	0 34	5 0	2 25	15 20	0 49	20 13	1 48	20 21	0 35	T 5
W 6	22 42	6 45	3 50	18 2	0 16	23 18	0 37	5 14	2 25	15 22	0 49	20 12	1 48	20 22	0 35	W 6
T 7	22 35	2 46	3 1	17 35	0 5	23 12	0 39	5 29	2 26	15 24	0 49	20 12	1 48	20 22	0 35	T 7
F 8	22 29	1s26	2 2	17 7	0s 7	23 6	0 41	5 44	2 26	15 26	0 49	20 12	1 48	20 23	0 35	F 8
S 9	22 22	5 40	0 55	16 40	0 19	22 58	0 43	5 58	2 27	15 28	0 50	20 11	1 47	20 24	0 35	S 9
S 10	22 15	9 42	0n17	16 14	0 31	22 51	0 45	6 12	2 27	15 29	0 50	20 11	1 47	20 24	0 35	S 10
M 11	22 7	13 19	1 29	15 47	0 44	22 42	0 47	6 27	2 28	15 31	0 50	20 11	1 47	20 25	0 35	M 11
T 12	21 59	16 14	2 38	15 22	0 57	22 33	0 49	6 41	2 28	15 33	0 50	20 11	1 47	20 25	0 35	T 12
W 13	21 51	18 10	3 38	14 57	1 11	22 23	0 51	6 55	2 28	15 35	0 50	20 10	1 47	20 26	0 35	W 13
T 14	21 42	18 52	4 24	14 33	1 24	22 12	0 53	7 9	2 29	15 37	0 51	20 10	1 46	20 26	0 35	T 14
F 15	21 33	18 15	4 52	14 9	1 38	22 1	0 55	7 23	2 29	15 39	0 51	20 10	1 46	20 27	0 35	F 15
S 16	21 23	16 22	5 0	13 47	1 52	21 49	0 57	7 37	2 30	15 42	0 51	20 10	1 46	20 27	0 35	S 16
S 17	21 13	13 25	4 48	13 26	2 6	21 37	0 58	7 50	2 30	15 44	0 51	20 10	1 46	20 28	0 35	S 17
M 18	21 3	9 42	4 17	13 6	2 21	21 24	1 0	8 4	2 30	15 46	0 51	20 9	1 46	20 28	0 35	M 18
T 19	20 52	5 32	3 31	12 47	2 35	21 10	1 2	8 17	2 31	15 48	0 52	20 9	1 45	20 29	0 35	T 19
W 20	20 42	1 13	2 34	12 30	2 49	20 56	1 3	8 30	2 31	15 50	0 52	20 9	1 45	20 29	0 35	W 20
T 21	20 30	3n 1	1 31	12 15	3 3	20 41	1 5	8 44	2 31	15 53	0 52	20 9	1 45	20 30	0 35	T 21
F 22	20 19	6 59	0 25	12 1	3 17	20 25	1 7	8 57	2 31	15 55	0 52	20 9	1 45	20 30	0 35	F 22
S 23	20 7	10 32	0s41	11 49	3 31	20 9	1 8	9 10	2 32	15 57	0 52	20 9	1 45	20 31	0 35	S 23
S 24	19 54	13 34	1 43	11 39	3 44	19 52	1 9	9 22	2 32	16 0	0 53	20 9	1 44	20 31	0 35	S 24
M 25	19 42	15 59	2 40	11 31	3 56	19 35	1 11	9 35	2 32	16 2	0 53	20 9	1 44	20 32	0 35	M 25
T 26	19 29	17 42	3 29	11 25	4 8	19 17	1 12	9 48	2 32	16 4	0 53	20 9	1 44	20 33	0 35	T 26
W 27	19 15	18 38	4 9	11 21	4 18	18 59	1 13	10 0	2 32	16 7	0 53	20 9	1 44	20 33	0 35	W 27
T 28	19 2	18 46	4 39	11 20	4 28	18 40	1 15	10 12	2 33	16 9	0 53	20 9	1 44	20 34	0 35	T 28
F 29	18 48	18 3	4 56	11 20	4 37	18 21	1 16	10 24	2 33	16 12	0 53	20 9	1 43	20 34	0 35	F 29
S 30	18 34	16 32	5 1	11 24	4 44	18 1	1 17	10 36	2 33	16 14	0 54	20 9	1 43	20 35	0 35	S 30
S 31	18n19	14n15	4s52	11n29	4s50	17n40	1n18	10n48	2s33	16s17	0s54	20s 9	1n43	20s35	0s35	S 31

Julian Day Number = 2511260.5, Delta T = 131.40 sec
Ecliptic obliquity = 23°24'56, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°01'30, Lahiri = 26°08'30

ASTRODIENST EPHEMERIS for the year 2163

geocentric

AUGUST 2163

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 37 46	8♌41'36	17♋33	15°R 4	15♌52	5♈42	17°R52	9°R23	0°R31	3°R20	6♋1	20°R20	21♌15	19♋12	14°R51	M 1
T 2	20 41 43	9°38'59	0♏11	14♌21	17° 6	6°18	17♋44	9♌22	0♋29	3♋19	6° 2	20♌9	21°12	19°18	14♋49	T 2
W 3	20 45 40	10°36'23	12°58	13°37	18°20	6°53	17°36	9°21	0°26	3°17	6° 3	20° 2	21° 9	19°25	14°47	W 3
T 4	20 49 36	11°33'48	25°58	12°52	19°34	7°28	17°28	9°20	0°24	3°15	6° 5	19°57	21° 5	19°32	14°45	T 4
F 5	20 53 33	12°31'13	9♌9	12° 7	20°48	8° 3	17°21	9°19	0°22	3°14	6° 6	19°55	21° 2	19°38	14°42	F 5
S 6	20 57 29	13°28'39	22°34	11°23	22° 2	8°38	17°13	9°18	0°19	3°12	6° 7	19°D54	20°59	19°45	14°40	S 6
S 7	21 1 26	14°26'05	6♋13	10°40	23°16	9°13	17° 5	9°18	0°17	3°11	6° 8	19°55	20°56	19°52	14°38	S 7
M 8	21 5 22	15°23'32	20° 7	10° 0	24°30	9°47	16°57	9°17	0°15	3° 9	6° 9	19°R55	20°53	19°59	14°35	M 8
T 9	21 9 19	16°21'00	4♌18	9°24	25°44	10°21	16°50	9°17	0°13	3° 7	6°11	19°54	20°50	20° 5	14°33	T 9
W10	21 13 15	17°18'29	18°43	8°51	26°58	10°55	16°42	9°16	0°10	3° 6	6°12	19°50	20°46	20°12	14°30	W10
T 11	21 17 12	18°15'58	3♋19	8°24	28°12	11°28	16°34	9°16	0° 8	3° 4	6°13	19°44	20°43	20°19	14°28	T 11
F 12	21 21 9	19°13'29	18° 2	8° 1	29°26	12° 1	16°26	9°16	0° 6	3° 3	6°14	19°37	20°40	20°25	14°25	F 12
S 13	21 25 5	20°11'00	2♋43	7°44	0♏40	12°34	16°18	9°D16	0° 4	3° 1	6°15	19°28	20°37	20°32	14°23	S 13
S 14	21 29 2	21° 8'32	17°16	7°34	1°54	13° 7	16°11	9°16	0° 1	3° 0	6°16	19°19	20°34	20°39	14°20	S 14
M15	21 32 58	22° 6'05	1♋33	7°D30	3° 8	13°39	16° 3	9°16	29♋59	2°58	6°17	19°11	20°31	20°46	14°17	M15
T 16	21 36 55	23° 3'39	15°30	7°33	4°22	14°11	15°55	9°16	29°57	2°57	6°18	19° 5	20°27	20°52	14°15	T 16
W17	21 40 51	24° 1'15	29° 2	7°44	5°36	14°42	15°47	9°16	29°55	2°55	6°19	19° 1	20°24	20°59	14°12	W17
T 18	21 44 48	24°58'52	12♌9	8° 1	6°50	15°14	15°40	9°17	29°53	2°54	6°20	18°59	20°21	21° 6	14° 9	T 18
F 19	21 48 44	25°56'30	24°53	8°26	8° 4	15°45	15°32	9°17	29°51	2°52	6°21	18°D59	20°18	21°12	14° 7	F 19
S 20	21 52 41	26°54'10	7♋16	8°58	9°18	16°16	15°25	9°18	29°49	2°51	6°22	19° 0	20°15	21°19	14° 4	S 20
S 21	21 56 38	27°51'51	19°25	9°37	10°32	16°46	15°17	9°18	29°47	2°49	6°23	19° 1	20°11	21°26	14° 1	S 21
M22	22 0 34	28°49'35	1♋22	10°23	11°46	17°16	15°10	9°19	29°45	2°48	6°24	19°R 1	20° 8	21°32	13°58	M22
T 23	22 4 31	29°47'19	13°14	11°16	13° 0	17°46	15° 2	9°20	29°43	2°47	6°25	19° 0	20° 5	21°39	13°56	T 23
W24	22 8 27	0♏45'06	25° 6	12°16	14°14	18°15	14°55	9°21	29°41	2°45	6°26	18°57	20° 2	21°46	13°53	W24
T 25	22 12 24	1°42'54	7♋1	13°22	15°28	18°44	14°48	9°22	29°39	2°44	6°27	18°52	19°59	21°53	13°50	T 25
F 26	22 16 20	2°40'43	19° 5	14°35	16°42	19°12	14°41	9°23	29°37	2°42	6°28	18°45	19°56	21°59	13°47	F 26
S 27	22 20 17	3°38'34	1♌19	15°53	17°56	19°41	14°34	9°25	29°35	2°41	6°29	18°38	19°52	22° 6	13°44	S 27
S 28	22 24 13	4°36'27	13°46	17°17	19°10	20° 8	14°27	9°26	29°33	2°40	6°30	18°30	19°49	22°13	13°42	S 28
M29	22 28 10	5°34'22	26°26	18°46	20°24	20°36	14°20	9°27	29°31	2°38	6°31	18°22	19°46	22°19	13°39	M29
T 30	22 32 6	6°32'17	9♏21	20°20	21°38	21° 3	14°13	9°29	29°30	2°37	6°32	18°16	19°43	22°26	13°36	T 30
W31	22 36 3	7♏30'15	22♏30	21♌58	22♏52	21♋29	14♋7	9♌31	29♋28	2♋36	6♋32	18♌11	19♌40	22♋33	13♋33	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
M 1	18n 4	11n18	4s28	11n36	4s55	17n19	1n19	11n 0	2s33	16s19	0s54	20s 9	1n43	20s36	0s35	19s 5
T 2	17 49	7 47	3 52	11 46	4 57	16 58	1 20	11 12	2 33	16 22	0 54	20 9	1 43	20 36	0 35	19 5
W 3	17 34	3 52	3 3	11 57	4 58	16 36	1 21	11 23	2 33	16 24	0 54	20 9	1 42	20 37	0 35	19 6
T 4	17 18	0s17	2 4	12 10	4 58	16 14	1 22	11 34	2 33	16 27	0 54	20 9	1 42	20 37	0 35	19 6
F 5	17 2	4 30	0 17	12 25	4 55	15 51	1 23	11 46	2 33	16 29	0 55	20 9	1 42	20 38	0 35	19 6
S 6	16 46	8 33	0n14	12 41	4 51	15 28	1 23	11 57	2 33	16 32	0 55	20 9	1 42	20 38	0 35	19 7
S 7	16 29	12 14	1 26	12 59	4 45	15 4	1 24	12 8	2 33	16 34	0 55	20 9	1 41	20 39	0 35	19 7
M 8	16 12	15 17	2 34	13 17	4 37	14 40	1 25	12 18	2 33	16 37	0 55	20 9	1 41	20 39	0 35	19 8
T 9	15 55	17 29	3 34	13 35	4 27	14 16	1 25	12 29	2 33	16 39	0 55	20 9	1 41	20 40	0 35	19 8
W10	15 38	18 36	4 21	13 54	4 16	13 51	1 26	12 39	2 33	16 42	0 55	20 10	1 41	20 40	0 35	19 8
T 11	15 20	18 31	4 52	14 13	4 4	13 26	1 26	12 50	2 33	16 44	0 55	20 10	1 41	20 41	0 35	19 9
F 12	15 3	17 11	5 4	14 32	3 50	13 0	1 26	13 0	2 33	16 47	0 55	20 10	1 40	20 41	0 35	19 9
S 13	14 45	14 43	4 56	14 50	3 36	12 34	1 27	13 10	2 33	16 49	0 55	20 10	1 40	20 42	0 35	19 9
S 14	14 26	11 22	4 29	15 8	3 20	12 8	1 27	13 20	2 33	16 51	0 56	20 10	1 40	20 42	0 35	19 10
M15	14 8	7 24	3 46	15 24	3 4	11 42	1 27	13 29	2 33	16 54	0 56	20 11	1 40	20 42	0 35	19 10
T 16	13 49	3 6	2 49	15 40	2 48	11 15	1 27	13 39	2 32	16 56	0 56	20 11	1 39	20 43	0 35	19 10
W17	13 30	1n13	1 45	15 53	2 31	10 48	1 27	13 48	2 32	16 59	0 56	20 11	1 39	20 43	0 35	19 11
T 18	13 11	5 21	0 37	16 6	2 13	10 20	1 27	13 58	2 32	17 1	0 56	20 11	1 39	20 44	0 35	19 11
F 19	12 52	9 8	0s32	16 16	1 56	9 53	1 27	14 7	2 32	17 3	0 56	20 12	1 39	20 44	0 35	19 12
S 20	12 32	12 24	1 37	16 25	1 39	9 25	1 27	14 16	2 32	17 6	0 56	20 12	1 39	20 45	0 35	19 12
S 21	12 12	15 3	2 36	16 31	1 22	8 56	1 26	14 25	2 31	17 8	0 56	20 12	1 38	20 45	0 35	19 12
M22	11 52	17 1	3 28	16 35	1 5	8 28	1 26	14 33	2 31	17 10	0 56	20 13	1 38	20 45	0 35	19 13
T 23	11 32	18 13	4 10	16 36	0 48	7 59	1 26	14 42	2 31	17 12	0 56	20 13	1 38	20 46	0 35	19 13
W24	11 12	18 38	4 42	16 35	0 33	7 30	1 25	14 50	2 30	17 15	0 56	20 13	1 38	20 46	0 35	19 13
T 25	10 51	18 13	5 1	16 31	0 17	7 1	1 25	14 59	2 30	17 17	0 56	20 14	1 37	20 47	0 35	19 14
F 26	10 31	16 59	5 8	16 24	0 3	6 32	1 24	15 7	2 30	17 19	0 56	20 14	1 37	20 47	0 35	19 14
S 27	10 10	14 57	5 1	16 14	0n11	6 2	1 23	15 15	2 29	17 21	0 57	20 15	1 37	20 47	0 35	19 14
S 28	9 49	12 13	4 39	16 1	0 24	5 33	1 23	15 22	2 29	17 23	0 57	20 15	1 37	20 48	0 35	19 15
M29	9 28	8 52	4 3	15 45	0 36	5 3	1 22	15 30	2 28	17 25	0 57	20 15	1 37	20 48	0 35	19 15
T 30	9 6	5 3	3 15	15 27	0 47	4 33	1 21	15 37	2 28	17 27	0 57	20 16	1 36	20 49	0 35	19 15
W31	8n45	0n55	2s15	15n 5	0n58	4n 3	1n20	15n45	2s27	17s29	0s57	20s16	1n36	20s49	0s35	19s15

Julian Day Number = 2511291.5, Delta T = 131.47 sec
 Ecliptic obliquity = 23°24'56, Nutation = 0°00'08, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°01'34, Lahiri = 26°08'34

ASTRODIENST EPHEMERIS for the year 2163

geocentric

SEPTEMBER 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 0	8♍28'14	5♊51	23♏40	24♍7	21♍55	14°R 0	9♍32	29°R26	2°R35	6♍33	18°R 9	19♊36	22♏39	13°R30	T 1
F 2	22 43 56	9°26'14	19°24	25°25	25°21	22°21	13♋54	9°34	29♌25	2♋33	6°34	18°D 8	19°33	22°46	13♋27	F 2
S 3	22 47 53	10°24'15	3♏7	27°13	26°35	22°46	13°48	9°36	29°23	2°32	6°35	18♊9	19°30	22°53	13°24	S 3
S 4	22 51 49	11°22'19	16°59	29° 3	27°49	23°10	13°42	9°38	29°21	2°31	6°35	18°10	19°27	23° 0	13°21	S 4
M 5	22 55 46	12°20'23	1♍9	0♍55	29° 3	23°34	13°36	9°40	29°20	2°30	6°36	18°12	19°24	23° 6	13°18	M 5
T 6	22 59 42	13°18'29	15° 9	2°48	0♊17	23°58	13°30	9°43	29°18	2°29	6°37	18°R12	19°21	23°13	13°15	T 6
W 7	23 3 39	14°16'36	29°23	4°43	1°31	24°21	13°24	9°45	29°17	2°28	6°37	18°11	19°17	23°20	13°13	W 7
T 8	23 7 35	15°14'45	13♌41	6°39	2°45	24°44	13°18	9°47	29°15	2°26	6°38	18° 9	19°14	23°26	13°10	T 8
F 9	23 11 32	16°12'55	27°59	8°34	3°59	25° 6	13°13	9°50	29°14	2°25	6°39	18° 5	19°11	23°33	13° 7	F 9
S 10	23 15 29	17°11'06	12♋13	10°31	5°13	25°28	13° 8	9°52	29°13	2°24	6°39	18° 1	19° 8	23°40	13° 4	S 10
S 11	23 19 25	18° 9'19	26°19	12°27	6°27	25°49	13° 3	9°55	29°11	2°23	6°40	17°56	19° 5	23°47	13° 1	S 11
M12	23 23 22	19° 7'34	10♋12	14°22	7°41	26° 9	12°58	9°58	29°10	2°22	6°41	17°52	19° 2	23°53	12°58	M12
T 13	23 27 18	20° 5'50	23°49	16°18	8°55	26°29	12°53	10° 1	29° 9	2°21	6°41	17°49	18°58	24° 0	12°55	T 13
W14	23 31 15	21° 4'08	7♏7	18°12	10° 9	26°49	12°48	10° 3	29° 8	2°20	6°42	17°47	18°55	24° 7	12°52	W14
T 15	23 35 11	22° 2'28	20° 6	11°23	27° 8	12°44	10° 6	29° 6	2°20	6°42	17°D47	18°52	24°13	12°50	T 15	
F 16	23 39 8	23° 0'50	2♌46	22° 0	12°37	27°26	12°40	10°10	29° 5	2°19	6°43	17°48	18°49	24°20	12°47	F 16
S 17	23 43 4	23°59'14	15° 8	23°52	13°50	27°43	12°35	10°13	29° 4	2°18	6°43	17°49	18°46	24°27	12°44	S 17
S 18	23 47 1	24°57'40	27°17	25°43	15° 4	28° 0	12°31	10°16	29° 3	2°17	6°44	17°51	18°42	24°34	12°41	S 18
M19	23 50 58	25°56'08	9♏16	27°34	16°18	28°17	12°28	10°19	29° 2	2°16	6°44	17°52	18°39	24°40	12°38	M19
T 20	23 54 54	26°54'39	21° 9	29°24	17°32	28°32	12°24	10°23	29° 1	2°15	6°44	17°53	18°36	24°47	12°35	T 20
W21	23 58 51	27°53'11	3♌2	1♊12	18°46	28°47	12°21	10°26	29° 0	2°15	6°45	17°R53	18°33	24°54	12°33	W21
T 22	0 2 47	28°51'46	14°58	3° 0	20° 0	29° 2	12°17	10°30	29° 0	2°14	6°45	17°52	18°30	25° 0	12°30	T 22
F 23	0 6 44	29°50'23	27° 3	4°46	21°14	29°15	12°14	10°34	28°59	2°13	6°45	17°51	18°27	25° 7	12°27	F 23
S 24	0 10 40	0♊49'02	9♏20	6°32	22°28	29°28	12°11	10°37	28°58	2°13	6°46	17°48	18°23	25°14	12°24	S 24
S 25	0 14 37	1°47'43	21°54	8°16	23°42	29°40	12° 9	10°41	28°57	2°12	6°46	17°46	18°20	25°21	12°22	S 25
M26	0 18 33	2°46'26	4♍45	10° 0	24°56	29°52	12° 6	10°45	28°57	2°11	6°46	17°44	18°17	25°27	12°19	M26
T 27	0 22 30	3°45'12	17°55	11°42	26°10	0♏2	12° 4	10°49	28°56	2°11	6°47	17°42	18°14	25°34	12°16	T 27
W28	0 26 26	4°43'59	1♊23	13°24	27°24	0°12	12° 2	10°53	28°56	2°10	6°47	17°41	18°11	25°41	12°14	W28
T 29	0 30 23	5°42'48	15° 9	15° 4	28°38	0°21	12° 0	10°57	28°55	2°10	6°47	17°D40	18° 7	25°47	12°11	T 29
F 30	0 34 20	6♊41'40	29♊8	16♊44	29♊52	0♏30	11♋58	11♋2	28♌55	2♋9	6♌47	17♊40	18♊4	25♏54	12♋9	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n23	3s20	1s 6	14n40	1n 7	3n33	1n19	15n52	2s27	17s31	0s57	20s17	1n36	20s49	0s35	19s16	0n19	18n 8	5s 8	7s 7	7s40	18n38	1s25	5n29			
F 2	8 1	7 29	0n 7	14 13	1 15	3 3	1 18	15 59	2 26	17 33	0 57	20 17	1 36	20 50	0 35	19 16	0 19	18 8	5 8	7 6	7 39	18 38	1 26	5 28			
S 3	7 40	11 17	1 21	13 43	1 23	2 32	1 17	16 6	2 25	17 35	0 57	20 18	1 35	20 50	0 35	19 16	0 19	18 8	5 8	7 7	7 37	18 38	1 27	5 28			
S 4	7 18	14 29	2 31	13 11	1 29	2 2	1 16	16 13	2 25	17 36	0 57	20 18	1 35	20 50	0 35	19 17	0 19	18 7	5 8	7 7	7 36	18 38	1 29	5 28			
M 5	6 55	16 52	3 32	12 36	1 34	1 31	1 14	16 19	2 24	17 38	0 57	20 19	1 35	20 51	0 35	19 17	0 19	18 7	5 8	7 8	7 35	18 38	1 30	5 28			
T 6	6 33	18 15	4 22	12 0	1 39	1 0	1 13	16 26	2 23	17 40	0 57	20 19	1 35	20 51	0 35	19 17	0 19	18 7	5 8	7 8	7 34	18 38	1 31	5 28			
W 7	6 11	18 29	4 55	11 21	1 42	0 30	1 12	16 32	2 23	17 41	0 57	20 20	1 35	20 51	0 35	19 17	0 18	18 7	5 8	7 7	7 33	18 37	1 32	5 28			
T 8	5 49	17 33	5 11	10 41	1 45	0s 1	1 10	16 38	2 22	17 43	0 57	20 20	1 34	20 51	0 35	19 18	0 18	18 7	5 8	7 7	7 31	18 37	1 33	5 28			
F 9	5 26	15 31	5 7	9 59	1 46	0 32	1 9	16 44	2 21	17 45	0 57	20 21	1 34	20 52	0 35	19 18	0 18	18 7	5 8	7 5	7 30	18 37	1 34	5 28			
S 10	5 3	12 33	4 45	9 16	1 47	1 2	1 7	16 50	2 20	17 46	0 57	20 22	1 34	20 52	0 35	19 18	0 18	18 7	5 8	7 3	7 29	18 37	1 36	5 28			
S 11	4 41	8 53	4 5	8 32	1 48	1 33	1 6	16 56	2 19	17 47	0 57	20 22	1 34	20 52	0 35	19 19	0 18	18 7	5 8	7 2	7 28	18 37	1 37	5 28			
M12	4 18	4 47	3 11	7 47	1 47	2 4	1 4	17 2	2 19	17 49	0 57	20 23	1 33	20 52	0 35	19 19	0 18	18 7	5 8	7 0	7 27	18 37	1 38	5 28			
T 13	3 55	0 30	2 8	7 2	1 46	2 34	1 2	17 7	2 18	17 50	0 57	20 23	1 33	20 53	0 35	19 19	0 18	18 7	5 9	6 59	7 25	18 37	1 39	5 28			
W14	3 32	3n43	0 58	6 15	1 44	3 5	1 1	17 12	2 17	17 52	0 57	20 24	1 33	20 53	0 35	19 19	0 18	18 7	5 9	6 58	7 24	18 37	1 40	5 28			
T 15	3 9	7 39	0s13	5 29	1 42	3 36	0 59	17 18	2 16	17 53	0 57	20 25	1 33	20 53	0 35	19 19	0 18	18 7	5 9	6 58	7 23	18 37	1 42	5 27			
F 16	2 46	11 8	1 21	4 41	1 39	4 6	0 57	17 23	2 15	17 54	0 57	20 25	1 33	20 53	0 35	19 20	0 18	18 6	5 9	6 59	7 22	18 37	1 43	5 27			
S 17	2 23	14 3	2 25	3 54	1 36	4 37	0 55	17 28	2 14	17 55	0 57	20 26	1 32	20 54	0 35	19 20	0 18	18 6	5 9	6 59	7 21	18 37	1 44	5 27			
S 18	2 0	16 17	3 21	3 6	1 32	5 7	0 53	17 33	2 13	17 56	0 57	20 27	1 32	20 54	0 35	19 20	0 18	18 6	5 9	7 0	7 19	18 37	1 45	5 27			
M19	1 37	17 45	4 7	2 18	1 28	5 37	0 51	17 37	2 11	17 57	0 57	20 27	1 32	20 54	0 35	19 20	0 18	18 6	5 9	7 0	7 18	18 37	1 46	5 27			
T 20	1 14	18 26	4 42	1 31	1 23	6 8	0 49	17 42	2 10	17 58	0 57	20 28	1 32	20 54	0 35	19 20	0 18	18 6	5 9	7 1	7 17	18 36	1 48	5 27			
W21	0 50	18 18	5 5	0 43	1 18	6 38	0 47	17 46	2 9	17 59	0 57	20 29	1 32	20 54	0 35	19 21	0 18	18 6	5 9	7 1	7 16	18 36	1 49	5 27			
T 22	0 27	17 21	5 15	0s 4	1 13	7 8	0 44	17 51	2 8	18 0	0 57	20 29	1 31	20 54	0 35	19 21	0 18	18 6	5 9	7 0	7 15	18 36	1 50	5 26			
F 23	0 4	15 38	5 11	0 52	1 8	7 37	0 42	17 55	2 7	18 1	0 56	20 30	1 31	20 55	0 35	19 21	0 18	18 6	5 9	7 0	7 13	18 36	1 51	5 26			
S 24	0s19	13 11	4 54	1 39	1 2	8 7	0 40	17 59	2 5	18 2	0 56	20 31	1 31	20 55	0 35	19 21	0 18	18 6	5 9	6 59	7 12	18 36	1 52	5 26			
S 25	0 43	10 4	4 21	2 25	0 56	8 36	0 38	18 3	2 4	18 2	0 56	20 32	1 31	20 55	0 35	19 21	0 18	18 6	5 9	6 58	7 11	18 36	1 53	5 26			
M26	1 6	6 25	3 36	3 12	0 50	9 6	0 35	18 6	2 2	18 3	0 56	20 32	1 31	20 55	0 35	19 22	0 18	18 6	5 9	6 57	7 10	18 36	1 55	5 26			
T 27	1 29	2 21	2 37	3 57	0 43	9 35	0 33	18 10	2 1	18 4	0 56	20 33	1 30	20 55	0 35	19 22	0 18	18 6	5 9	6 56	7 9	18 36	1 56	5 26			
W28	1 53	1s55	1 29	4 43	0 37	10 4	0 31	18 14	1 59	18 4	0 56	20 34	1 30	20 55	0 35	19 22	0 18	18 5	5 10	6 56	7 7	18 36	1 57	5 25			
T 29	2 16	6 11	0 14	5 28	0 30	10 32	0 28	18 17	1 58	18 5	0 56	20 35	1 30	20 55	0 35	19 22	0 18	18 5	5 10	6 56	7 6	18 35	1 58	5 25			
F 30	2s39	10s10	1n 3	6s12	0n24	11s 1	0n26	18n20	1s56	18s 5	0s56	20s35	1n30	20s55	0s35	19s22	0n18	18n 5	5s10	6s56	7s 5	18n35	1s59	5n25			

ASTRODIENST EPHEMERIS for the year 2163
geocentric

OCTOBER 2163

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 38 16	7♏40'33	13♐18	18♏23	1♐ 5	0♐37	11°R57	11♏ 6	28°R54	2°R 9	6♏47	17♏41	18♏ 1	26♐ 1	12°R 6	S 1
S 2	0 42 13	8°39'28	27°34	20° 1	2°19	0°44	11♏55	11°10	28♏54	2♏ 8	6°47	17°42	17°58	26° 7	12♏ 4	S 2
M 3	0 46 9	9°38'25	11♏53	21°38	3°33	0°50	11°54	11°15	28°53	2° 8	6°47	17°43	17°55	26°14	12° 1	M 3
T 4	0 50 6	10°37'23	26°11	23°14	4°47	0°55	11°53	11°19	28°53	2° 8	6°48	17°43	17°52	26°21	11°59	T 4
W 5	0 54 2	11°36'24	10♏36	24°49	6° 1	0°59	11°53	11°24	28°53	2° 7	6°48	17°R43	17°48	26°28	11°56	W 5
T 6	0 57 59	12°35'26	24°34	26°23	7°15	1° 2	11°52	11°29	28°53	2° 7	6°48	17°43	17°45	26°34	11°54	T 6
F 7	1 1 55	13°34'29	8♏33	27°57	8°29	1° 5	11°52	11°33	28°53	2° 7	6°R48	17°43	17°42	26°41	11°51	F 7
S 8	1 5 52	14°33'35	22°23	29°30	9°42	1° 6	11°D52	11°38	28°53	2° 6	6°48	17°43	17°39	26°48	11°49	S 8
S 9	1 9 49	15°32'42	6♏ 1	1♐ 2	10°56	1°R 7	11°52	11°43	28°D53	2° 6	6°48	17°42	17°36	26°54	11°47	S 9
M10	1 13 45	16°31'51	19°27	2°33	12°10	1° 7	11°52	11°48	28°53	2° 6	6°48	17°42	17°33	27° 1	11°45	M10
T 11	1 17 42	17°31'02	2°Y39	4° 3	13°24	1° 6	11°52	11°53	28°53	2° 6	6°48	17°D42	17°29	27° 8	11°42	T 11
W12	1 21 38	18°30'15	15°37	5°33	14°38	1° 4	11°53	11°58	28°53	2° 6	6°47	17°R42	17°26	27°15	11°40	W12
T 13	1 25 35	19°29'30	28°21	7° 2	15°51	1° 1	11°54	12° 3	28°53	2° 6	6°47	17°42	17°23	27°21	11°38	T 13
F 14	1 29 31	20°28'47	10♏51	8°29	17° 5	0°58	11°55	12° 8	28°53	2°D 6	6°47	17°42	17°20	27°28	11°36	F 14
S 15	1 33 28	21°28'06	23° 7	9°57	18°19	0°53	11°56	12°14	28°54	2° 6	6°47	17°41	17°17	27°35	11°34	S 15
S 16	1 37 24	22°27'27	5♐14	11°23	19°32	0°47	11°58	12°19	28°54	2° 6	6°47	17°41	17°13	27°41	11°32	S 16
M17	1 41 21	23°26'51	17°11	12°49	20°46	0°41	11°59	12°24	28°54	2° 6	6°47	17°40	17°10	27°48	11°30	M17
T 18	1 45 18	24°26'17	29° 4	14°13	22° 0	0°34	12° 1	12°30	28°55	2° 6	6°46	17°39	17° 7	27°55	11°28	T 18
W19	1 49 14	25°25'45	10♏56	15°37	23°14	0°26	12° 3	12°35	28°55	2° 6	6°46	17°39	17° 4	28° 2	11°26	W19
T 20	1 53 11	26°25'15	22°51	17° 0	24°27	0°17	12° 5	12°41	28°56	2° 6	6°46	17°D39	17° 1	28° 8	11°25	T 20
F 21	1 57 7	27°24'48	4♏55	18°22	25°41	0° 7	12° 8	12°47	28°57	2° 7	6°46	17°39	16°58	28°15	11°23	F 21
S 22	2 1 4	28°24'23	17°11	19°43	26°55	29♏56	12°10	12°52	28°57	2° 7	6°45	17°39	16°54	28°22	11°21	S 22
S 23	2 5 0	29°24'00	29°43	21° 2	28° 8	29°45	12°13	12°58	28°58	2° 7	6°45	17°40	16°51	28°28	11°19	S 23
M24	2 8 57	0♐23'39	12♐36	22°21	29°22	29°32	12°16	13° 4	28°59	2° 7	6°44	17°41	16°48	28°35	11°18	M24
T 25	2 12 53	1°23'21	25°53	23°39	0♏36	29°19	12°19	13°10	29° 0	2° 8	6°44	17°42	16°45	28°42	11°16	T 25
W26	2 16 50	2°23'05	9♏33	24°55	1°49	29° 5	12°23	13°16	29° 0	2° 8	6°44	17°43	16°42	28°49	11°15	W26
T 27	2 20 47	3°22'50	23°37	26° 9	3° 3	28°50	12°26	13°21	29° 1	2° 9	6°43	17°R43	16°39	28°55	11°13	T 27
F 28	2 24 43	4°22'38	8♐ 0	27°23	4°16	28°35	12°30	13°27	29° 2	2° 9	6°43	17°42	16°35	29° 2	11°12	F 28
S 29	2 28 40	5°22'28	22°38	28°34	5°30	28°18	12°34	13°34	29° 3	2° 9	6°42	17°41	16°32	29° 9	11°10	S 29
S 30	2 32 36	6°22'20	7♏23	29°44	6°44	28° 1	12°38	13°40	29° 4	2°10	6°42	17°38	16°29	29°15	11° 9	S 30
M31	2 36 33	7♐22'14	22♏ 8	0♏51	7♏57	27♏44	12°44	13♏46	29° 5	2°11	6°41	17°36	16°26	29°12	11♏ 8	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	3s 3	13s38	2n17	6s56	0n17	11s29	0n23	18n24	1s55	18s 5	0s56	20s36	1n30	20s55	0s35	19s22
S 2	3 26	16 18	3 24	7 40	0 10	11 57	0 20	18 27	1 53	18 6	0 56	20 37	1 30	20 55	0 35	19 22
M 3	3 49	17 56	4 17	8 23	0 3	12 24	0 18	18 29	1 51	18 6	0 56	20 38	1 29	20 55	0 35	19 22
T 4	4 12	18 27	4 55	9 5	0s 4	12 52	0 15	18 32	1 49	18 6	0 56	20 39	1 29	20 55	0 34	19 22
W 5	4 35	17 47	5 15	9 47	0 11	13 19	0 13	18 35	1 47	18 6	0 56	20 39	1 29	20 56	0 34	19 23
T 6	4 58	16 1	5 15	10 28	0 19	13 46	0 10	18 38	1 45	18 6	0 56	20 40	1 29	20 56	0 34	19 23
F 7	5 21	13 20	4 56	11 8	0 26	14 12	0 7	18 40	1 44	18 6	0 56	20 41	1 29	20 56	0 34	19 23
S 8	5 44	9 55	4 21	11 48	0 33	14 38	0 5	18 42	1 42	18 6	0 56	20 42	1 28	20 56	0 34	19 23
S 9	6 7	6 1	3 31	12 27	0 40	15 4	0 2	18 44	1 39	18 6	0 56	20 43	1 28	20 55	0 34	19 23
M10	6 30	1 52	2 30	13 5	0 47	15 29	0s 1	18 46	1 37	18 6	0 55	20 43	1 28	20 55	0 34	19 23
T 11	6 52	2n19	1 23	13 43	0 54	15 54	0 4	18 48	1 35	18 6	0 55	20 44	1 28	20 55	0 34	19 23
W12	7 15	6 19	0 12	14 19	1 1	16 19	0 7	18 50	1 33	18 6	0 55	20 45	1 28	20 55	0 34	19 23
T 13	7 37	9 58	0s59	14 55	1 8	16 43	0 9	18 52	1 31	18 5	0 55	20 46	1 28	20 55	0 34	19 23
F 14	8 0	13 5	2 5	15 30	1 15	17 7	0 12	18 53	1 28	18 5	0 55	20 47	1 27	20 55	0 34	19 23
S 15	8 22	15 34	3 4	16 5	1 22	17 30	0 15	18 55	1 26	18 5	0 55	20 48	1 27	20 55	0 34	19 23
S 16	8 44	17 19	3 54	16 38	1 29	17 53	0 18	18 56	1 23	18 4	0 55	20 49	1 27	20 55	0 34	19 23
M17	9 6	18 16	4 33	17 11	1 35	18 16	0 21	18 57	1 21	18 4	0 55	20 49	1 27	20 55	0 34	19 23
T 18	9 28	18 24	5 0	17 43	1 42	18 38	0 24	18 58	1 18	18 3	0 55	20 50	1 27	20 55	0 34	19 23
W19	9 50	17 44	5 15	18 13	1 48	18 59	0 26	18 59	1 16	18 2	0 55	20 51	1 27	20 55	0 34	19 23
T 20	10 11	16 18	5 16	18 43	1 54	19 20	0 29	19 0	1 13	18 2	0 55	20 52	1 26	20 55	0 34	19 23
F 21	10 33	14 7	5 3	19 12	2 0	19 41	0 32	19 1	1 10	18 1	0 55	20 53	1 26	20 54	0 34	19 23
S 22	10 54	11 17	4 36	19 40	2 6	20 1	0 35	19 1	1 7	18 0	0 55	20 54	1 26	20 54	0 34	19 23
S 23	11 15	7 53	3 56	20 7	2 11	20 20	0 38	19 1	1 5	17 59	0 54	20 55	1 26	20 54	0 34	19 23
M24	11 36	4 1	3 2	20 33	2 17	20 39	0 41	19 2	1 2	17 58	0 54	20 55	1 26	20 54	0 34	19 23
T 25	11 57	0s10	1 58	20 57	2 22	20 58	0 43	19 2	0 59	17 57	0 54	20 56	1 26	20 54	0 34	19 23
W26	12 17	4 28	0 45	21 21	2 27	21 16	0 46	19 2	0 56	17 56	0 54	20 57	1 26	20 54	0 34	19 23
T 27	12 38	8 39	0n33	21 43	2 31	21 33	0 49	19 1	0 53	17 55	0 54	20 58	1 25	20 53	0 34	19 23
F 28	12 58	12 26	1 50	22 49	2 35	21 49	0 52	19 1	0 50	17 54	0 54	20 59	1 25	20 53	0 34	19 23
S 29	13 18	15 29	3 1	22 25	2 39	22 6	0 54	19 0	0 46	17 53	0 54	21 0	1 25	20 53	0 34	19 23
S 30	13 38	17 34	4 1	22 43	2 43	22 21	0 57	19 0	0 43	17 52	0 54	21 1	1 25	20 53	0 34	19 22
M31	13s57	18s27	4n45	23s 1	2s46	22s36	1s 0	18n59	0s40	17s50	0s54	21s 1	1n25	20s52	0s34	19s22

Julian Day Number = 2511352.5, Delta T = 131.60 sec
Ecliptic obliquity = 23°24'56, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°01'42, Lahiri = 26°08'43

ASTRODIENST EPHEMERIS for the year 2163
geocentric

NOVEMBER 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 40 29	8♌22'09	6♋47	1♊57	9♍11	27°R26	12♌47	13♊52	29♋7	2♌11	6°R41	17°R33	16♌23	29♌29	11°R 7	T 1
W 2	2 44 26	9°22'06	21°13	3° 0	10°24	27♋7	12°52	13°58	29° 8	2°12	6♋40	17♌31	16°19	29°36	11♋5	W 2
T 3	2 48 22	10°22'04	5♌24	4° 0	11°38	26°48	12°56	14° 4	29° 9	2°12	6°40	17°D30	16°16	29°42	11° 4	T 3
F 4	2 52 19	11°22'04	19°17	4°57	12°51	26°28	13° 1	14°11	29°10	2°13	6°39	17°31	16°13	29°49	11° 3	F 4
S 5	2 56 16	12°22'06	2♋52	5°51	14° 5	26° 8	13° 7	14°17	29°12	2°14	6°38	17°32	16°10	29°56	11° 2	S 5
S 6	3 0 12	13°22'09	16°10	6°41	15°18	25°48	13°12	14°23	29°13	2°14	6°38	17°33	16° 7	0♋3	11° 1	S 6
M 7	3 4 9	14°22'14	29°13	7°26	16°32	25°27	13°18	14°30	29°15	2°15	6°37	17°35	16° 4	0° 9	11° 0	M 7
T 8	3 8 5	15°22'20	12♊2	8° 7	17°45	25° 6	13°23	14°36	29°16	2°16	6°36	17°R36	16° 0	0°16	11° 0	T 8
W 9	3 12 2	16°22'28	24°39	8°43	18°58	24°45	13°29	14°43	29°18	2°17	6°36	17°36	15°57	0°23	10°59	W 9
T 10	3 15 58	17°22'38	7♋5	9°12	20°12	24°24	13°35	14°49	29°19	2°18	6°35	17°34	15°54	0°29	10°58	T 10
F 11	3 19 55	18°22'49	19°22	9°35	21°25	24° 2	13°41	14°56	29°21	2°19	6°34	17°31	15°51	0°36	10°58	F 11
S 12	3 23 51	19°23'03	1♌30	9°51	22°38	23°41	13°48	15° 3	29°23	2°20	6°34	17°26	15°48	0°43	10°57	S 12
S 13	3 27 48	20°23'18	13°30	9°R59	23°52	23°19	13°54	15° 9	29°24	2°21	6°33	17°20	15°44	0°50	10°56	S 13
M14	3 31 44	21°23'35	25°26	9°58	25° 5	22°57	14° 1	15°16	29°26	2°22	6°32	17°14	15°41	0°56	10°56	M14
T 15	3 35 41	22°23'53	7♋18	9°49	26°18	22°36	14° 8	15°23	29°28	2°23	6°31	17° 8	15°38	1° 3	10°56	T 15
W16	3 39 38	23°24'14	19° 9	9°29	27°31	22°14	14°15	15°29	29°30	2°24	6°30	17° 2	15°35	1°10	10°55	W16
T 17	3 43 34	24°24'37	1♌3	8°59	28°45	21°53	14°22	15°36	29°32	2°25	6°29	16°58	15°32	1°16	10°55	T 17
F 18	3 47 31	25°25'01	13° 3	8°19	29°58	21°32	14°30	15°43	29°34	2°26	6°29	16°55	15°29	1°23	10°55	F 18
S 19	3 51 27	26°25'27	25°15	7°29	1♋11	21°11	14°37	15°50	29°36	2°27	6°28	16°D54	15°25	1°30	10°54	S 19
S 20	3 55 24	27°25'55	7♎42	6°30	2°24	20°51	14°45	15°57	29°38	2°28	6°27	16°54	15°22	1°37	10°54	S 20
M21	3 59 20	28°26'25	20°30	5°22	3°37	20°31	14°52	16° 3	29°40	2°29	6°26	16°56	15°19	1°43	10°D54	M21
T 22	4 3 17	29°26'57	3♌42	4° 7	4°50	20°11	15° 0	16°10	29°42	2°31	6°25	16°57	15°16	1°50	10°54	T 22
W23	4 7 13	0♊27'30	17°22	2°48	6° 3	19°52	15° 8	16°17	29°44	2°32	6°24	16°R58	15°13	1°57	10°54	W23
T 24	4 11 10	1°28'06	1♌30	1°27	7°16	19°33	15°17	16°24	29°46	2°33	6°23	16°57	15°10	2° 3	10°54	T 24
F 25	4 15 7	2°28'43	16° 4	0° 6	8°29	19°14	15°25	16°31	29°49	2°35	6°22	16°54	15° 6	2°10	10°55	F 25
S 26	4 19 3	3°29'21	1♊0	28♌48	9°42	18°57	15°34	16°38	29°51	2°36	6°21	16°49	15° 3	2°17	10°55	S 26
S 27	4 23 0	4°30'01	16° 8	27°36	10°55	18°40	15°42	16°45	29°53	2°37	6°20	16°42	15° 0	2°24	10°55	S 27
M28	4 26 56	5°30'43	1♋19	26°32	12° 8	18°23	15°51	16°52	29°56	2°39	6°19	16°34	14°57	2°30	10°56	M28
T 29	4 30 53	6°31'25	16°22	25°37	13°21	18° 7	16° 0	16°59	29°58	2°40	6°18	16°26	14°54	2°37	10°56	T 29
W30	4 34 49	7♊32'09	1♌8	24♌53	14♋34	17♋52	16♌9	17♊6	0♌0	2♌42	6♋17	16♌20	14♌50	2♋44	10♋56	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s17	18s 6	5n 9	23s17	2s48	22s50	1 s 3	18n58	0s37	17s49	0s54	21s 2	1n25	20s52	0s34	19s22	0n17	18n 4	5s12	6s53	6s26	18n29	2s31	5n16	
W 2	14 36	16 34	5 14	23 31	2 50	23 4	1 5	18 57	0 34	17 48	0 54	21 3	1 25	20 52	0 34	19 22	0 17	18 4	5 12	6 52	6 25	18 29	2 31	5 16	
T 3	14 55	14 3	5 0	23 44	2 52	23 17	1 8	18 56	0 30	17 46	0 54	21 4	1 24	20 52	0 34	19 22	0 17	18 4	5 12	6 52	6 24	18 29	2 32	5 16	
F 4	15 14	10 47	4 28	23 56	2 53	23 29	1 11	18 55	0 27	17 45	0 53	21 5	1 24	20 51	0 34	19 22	0 17	18 4	5 12	6 52	6 22	18 29	2 33	5 15	
S 5	15 32	7 0	3 42	24 6	2 53	23 41	1 13	18 53	0 24	17 43	0 53	21 6	1 24	20 51	0 34	19 22	0 17	18 3	5 12	6 52	6 21	18 28	2 34	5 15	
S 6	15 50	2 56	2 44	24 14	2 52	23 52	1 16	18 52	0 20	17 41	0 53	21 7	1 24	20 51	0 34	19 22	0 17	18 3	5 12	6 53	6 20	18 28	2 34	5 14	
M 7	16 8	1n12	1 39	24 20	2 51	24 2	1 18	18 50	0 17	17 40	0 53	21 8	1 24	20 50	0 34	19 21	0 17	18 3	5 12	6 54	6 19	18 28	2 35	5 14	
T 8	16 26	5 13	0 30	24 25	2 49	24 11	1 21	18 48	0 14	17 38	0 53	21 8	1 24	20 50	0 34	19 21	0 17	18 3	5 12	6 54	6 17	18 28	2 36	5 14	
W 9	16 43	8 57	0s39	24 27	2 46	24 20	1 23	18 46	0 10	17 36	0 53	21 9	1 24	20 50	0 34	19 21	0 17	18 3	5 12	6 54	6 16	18 27	2 36	5 13	
T 10	17 0	12 13	1 45	24 28	2 41	24 28	1 25	18 44	0 7	17 35	0 53	21 10	1 24	20 49	0 34	19 21	0 17	18 3	5 12	6 53	6 15	18 27	2 37	5 13	
F 11	17 17	14 54	2 45	24 26	2 36	24 36	1 28	18 42	0 4	17 33	0 53	21 11	1 24	20 49	0 34	19 21	0 17	18 3	5 12	6 52	6 14	18 27	2 37	5 13	
S 12	17 33	16 54	3 37	24 22	2 29	24 43	1 30	18 40	0 0	17 31	0 53	21 12	1 23	20 49	0 34	19 21	0 17	18 3	5 12	6 50	6 13	18 27	2 38	5 12	
S 13	17 50	18 7	4 19	24 15	2 21	24 49	1 32	18 38	0n 3	17 29	0 53	21 13	1 23	20 48	0 34	19 20	0 17	18 3	5 12	6 48	6 11	18 26	2 38	5 12	
M14	18 6	18 32	4 49	24 6	2 12	24 54	1 35	18 36	0 6	17 27	0 53	21 13	1 23	20 48	0 34	19 20	0 17	18 3	5 12	6 46	6 10	18 26	2 39	5 12	
T 15	18 21	18 7	5 6	23 54	2 1	24 58	1 37	18 33	0 10	17 25	0 53	21 14	1 23	20 47	0 34	19 20	0 17	18 3	5 12	6 43	6 9	18 26	2 39	5 11	
W16	18 36	16 56	5 10	23 38	1 49	25 2	1 39	18 31	0 13	17 23	0 53	21 15	1 23	20 47	0 34	19 20	0 17	18 3	5 12	6 41	6 8	18 26	2 40	5 11	
T 17	18 51	15 0	5 1	23 20	1 34	25 5	1 41	18 29	0 16	17 20	0 52	21 16	1 23	20 47	0 34	19 19	0 17	18 3	5 12	6 39	6 6	18 25	2 40	5 11	
F 18	19 6	12 25	4 39	22 58	1 19	25 8	1 43	18 26	0 19	17 18	0 52	21 17	1 23	20 46	0 33	19 19	0 17	18 3	5 12	6 38	6 5	18 25	2 41	5 10	
S 19	19 20	9 15	4 4	22 33	1 2	25 9	1 45	18 24	0 23	17 16	0 52	21 18	1 23	20 46	0 33	19 19	0 17	18 3	5 12	6 38	6 4	18 25	2 41	5 10	
S 20	19 34	5 38	3 17	22 5	0 43	25 10	1 47	18 22	0 26	17 14	0 52	21 18	1 23	20 45	0 33	19 19	0 17	18 3	5 12	6 38	6 3	18 24	2 41	5 10	
M21	19 48	1 38	2 19	21 34	0 24	25 10	1 48	18 19	0 29	17 11	0 52	21 19	1 22	20 45	0 33	19 19	0 17	18 4	5 12	6 39	6 2	18 24	2 42	5 9	
T 22	20 1	2s34	1 11	21 0	0 3	25 10	1 50	18 17	0 32	17 9	0 52	21 20	1 22	20 44	0 33	19 18	0 17	18 4	5 12	6 39	6 0	18 24	2 42	5 9	
W23	20 14	6 47	0n 2	20 25	0n17	25 8	1 52	18 15	0 35	17 6	0 52	21 21	1 22	20 44	0 33	19 18	0 17	18 4	5 12	6 40	5 59	18 24	2 42	5 8	
T 24	20 26	10 46	1 18	19 49	0 38	25 6	1 53	18 13	0 38	17 4	0 52	21 22	1 22	20 43	0 33	19 18	0 17	18 4	5 12	6 39	5 58	18 23	2 43	5 8	
F 25	20 38	14 14	2 31	19 13	0 57	25 3	1 55	18 10	0 41	17 1	0 52	21 22	1 22	20 43	0 33	19 17	0 17	18 4	5 12	6 38	5 57	18 23	2 43	5 8	
S 26	20 50	16 50	3 35	18 38	1 16	25 0	1 56	18 8	0 44	16 59	0 52	21 23	1 22	20 42	0 33	19 17	0 17	18 4	5 13	6 36	5 55	18 23	2 43	5 7	
S 27	21 1	18 18	4 25	18 5	1 33	24 55	1 58	18 6	0 46	16 56	0 52	21 24	1 22	20 42	0 33	19 17	0 17	18 4	5 13	6 33	5 54	18 22	2 44	5 7	
M28	21 12	18 28	4 56	17 36	1 48	24 50	1 59	18 4	0 49	16 54	0 52	21 25	1 22	20 41	0 33	19 17	0 17	18 4	5 13	6 30	5 53	18 22	2 44	5 7	
T 29	21 23	17 20	5 7	17 10	2 2	24 44	2 0	18 2	0 52	16 51	0 52	21 25	1 22	20 41	0 33	19 16	0 17	18 4	5 13	6 27	5 52	18 22	2 44	5 6	
W30	21s33	15s 3	4n57	16s49	2n13	24s38	2s 1	18n 1	0n54	16s48	0s52	21s26	1n22	20s40	0s33	19s16	0n17	18n 4	5s13	6s25	5s51	18n21	2s44	5n 6	

ASTRODIENST EPHEMERIS for the year 2163

geocentric

DECEMBER 2163

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 38 46	8°32'54	15°33'	24°R21	15°347	17°R38	16°18	17°13	0°3	2°43	6°R16	16°R16	14°47	2°50	10°57	T 1
F 2	4 42 43	9°33'39	29°31	24°0	16°59	17°24	16°28	17°20	0°5	2°45	6°15	16°13	14°44	2°57	10°58	F 2
S 3	4 46 39	10°34'26	13°5	23°D51	18°12	17°11	16°37	17°27	0°8	2°46	6°14	16°D13	14°41	3°4	10°58	S 3
S 4	4 50 36	11°35'13	26°15	23°52	19°25	16°59	16°47	17°34	0°11	2°48	6°13	16°13	14°38	3°11	10°59	S 4
M 5	4 54 32	12°36'02	9°15	24°4	20°37	16°48	16°56	17°41	0°13	2°49	6°12	16°14	14°35	3°17	11°0	M 5
T 6	4 58 29	13°36'51	21°39	24°25	21°50	16°37	17°6	17°48	0°16	2°51	6°11	16°R14	14°31	3°24	11°1	T 6
W 7	5 2 25	14°37'41	4°0	24°54	23°3	16°28	17°16	17°56	0°19	2°53	6°10	16°13	14°28	3°31	11°2	W 7
T 8	5 6 22	15°38'32	16°12	25°32	24°15	16°19	17°26	18°3	0°21	2°54	6°9	16°8	14°25	3°38	11°2	T 8
F 9	5 10 18	16°39'25	28°16	26°16	25°27	16°11	17°36	18°10	0°24	2°56	6°7	16°1	14°22	3°44	11°4	F 9
S 10	5 14 15	17°40'18	10°15	27°6	26°40	16°4	17°47	18°17	0°27	2°58	6°6	15°52	14°19	3°51	11°5	S 10
S 11	5 18 12	18°41'12	22°11	28°1	27°52	15°57	17°57	18°24	0°30	2°59	6°5	15°40	14°16	3°58	11°6	S 11
M12	5 22 8	19°42'07	4°4	29°1	29°4	15°52	18°8	18°31	0°33	3°1	6°4	15°27	14°12	4°4	11°7	M12
T 13	5 26 5	20°43'03	15°56	0°5	0°16	15°47	18°18	18°38	0°35	3°3	6°3	15°14	14°9	4°11	11°8	T 13
W14	5 30 1	21°44'00	27°49	1°13	1°29	15°43	18°29	18°45	0°38	3°5	6°2	15°2	14°6	4°18	11°9	W14
T 15	5 33 58	22°44'58	9°44	2°24	2°41	15°40	18°40	18°52	0°41	3°7	6°1	14°52	14°3	4°25	11°11	T 15
F 16	5 37 54	23°45'57	21°45	3°37	3°53	15°37	18°51	18°59	0°44	3°9	5°59	14°45	14°0	4°31	11°12	F 16
S 17	5 41 51	24°46'58	3°55	4°53	5°4	15°36	19°2	19°6	0°47	3°10	5°58	14°40	13°56	4°38	11°14	S 17
S 18	5 45 47	25°47'59	16°18	6°10	6°16	15°D35	19°13	19°14	0°50	3°12	5°57	14°38	13°53	4°45	11°15	S 18
M19	5 49 44	26°49'01	29°0	7°30	7°28	15°35	19°24	19°21	0°53	3°14	5°56	14°D38	13°50	4°51	11°17	M19
T 20	5 53 41	27°50'04	12°3	8°51	8°40	15°36	19°36	19°28	0°56	3°16	5°55	14°R38	13°47	4°58	11°18	T 20
W21	5 57 37	28°51'08	25°33	10°13	9°51	15°37	19°47	19°35	1°0	3°18	5°53	14°38	13°44	5°5	11°20	W21
T 22	6 1 34	29°52'13	9°33	11°36	11°3	15°40	19°59	19°42	1°3	3°20	5°52	14°35	13°41	5°12	11°22	T 22
F 23	6 5 30	0°53'19	24°1	13°1	12°14	15°43	20°10	19°49	1°6	3°22	5°51	14°31	13°37	5°18	11°24	F 23
S 24	6 9 27	1°54'25	8°56	14°26	13°26	15°47	20°22	19°56	1°9	3°24	5°50	14°23	13°34	5°25	11°26	S 24
S 25	6 13 23	2°55'33	24°9	15°52	14°37	15°51	20°34	20°3	1°12	3°26	5°49	14°13	13°31	5°32	11°27	S 25
M26	6 17 20	3°56'41	9°31	17°19	15°48	15°57	20°46	20°10	1°15	3°28	5°47	14°2	13°28	5°39	11°29	M26
T 27	6 21 16	4°57'49	24°50	18°46	16°59	16°3	20°58	20°17	1°19	3°30	5°46	13°50	13°25	5°45	11°31	T 27
W28	6 25 13	5°58'58	9°34	20°14	18°11	16°10	21°10	20°24	1°22	3°32	5°45	13°40	13°22	5°52	11°33	W28
T 29	6 29 10	7°0'06	24°35	21°43	19°21	16°17	21°22	20°31	1°25	3°34	5°44	13°32	13°18	5°59	11°36	T 29
F 30	6 33 6	8°1'15	8°47	23°12	20°32	16°25	21°34	20°37	1°29	3°36	5°43	13°27	13°15	6°5	11°38	F 30
S 31	6 37 3	9°3'24	22°29	24°42	21°43	16°34	21°47	20°44	1°32	3°38	5°41	13°25	13°12	6°12	11°40	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	21s42	11s53	4n28	16s33	2n22	24s31	2s3	17n59	0n57	16s45	0s52	21s27	1n22	20s40	0s33	T 1
F 2	21 52	8 8	3 44	16 21	2 29	24 23	2 4	17 58	0 59	16 42	0 51	21 28	1 22	20 39	0 33	F 2
S 3	22 1	4 3	2 48	16 14	2 33	24 14	2 4	17 56	1 2	16 39	0 51	21 28	1 22	20 39	0 33	S 3
S 4	22 9	0n 7	1 45	16 12	2 37	24 5	2 5	17 55	1 4	16 36	0 51	21 29	1 21	20 38	0 33	S 4
M 5	22 17	4 11	0 38	16 13	2 38	23 55	2 6	17 54	1 7	16 33	0 51	21 30	1 21	20 37	0 33	M 5
T 6	22 25	7 59	0s29	16 18	2 38	23 44	2 7	17 53	1 9	16 30	0 51	21 30	1 21	20 37	0 33	T 6
W 7	22 32	11 22	1 34	16 26	2 37	23 32	2 7	17 53	1 11	16 27	0 51	21 31	1 21	20 36	0 33	W 7
T 8	22 39	14 13	2 33	16 38	2 34	23 20	2 8	17 52	1 13	16 24	0 51	21 32	1 21	20 36	0 33	T 8
F 9	22 45	16 26	3 25	16 51	2 31	23 8	2 8	17 52	1 15	16 21	0 51	21 33	1 21	20 35	0 33	F 9
S 10	22 51	17 54	4 7	17 7	2 27	22 54	2 8	17 51	1 17	16 18	0 51	21 33	1 21	20 34	0 33	S 10
S 11	22 56	18 34	4 38	17 24	2 22	22 40	2 9	17 51	1 19	16 15	0 51	21 34	1 21	20 34	0 33	S 11
M12	23 1	18 25	4 56	17 42	2 16	22 25	2 9	17 51	1 21	16 11	0 51	21 35	1 21	20 33	0 33	M12
T 13	23 5	17 28	5 2	18 2	2 10	22 10	2 9	17 52	1 22	16 8	0 51	21 35	1 21	20 33	0 33	T 13
W14	23 9	15 46	4 55	18 22	2 4	21 54	2 9	17 52	1 24	16 5	0 51	21 36	1 21	20 32	0 33	W14
T 15	23 13	13 23	4 35	18 43	1 57	21 38	2 9	17 53	1 26	16 1	0 51	21 36	1 21	20 31	0 33	T 15
F 16	23 16	10 25	4 2	19 3	1 50	21 20	2 8	17 54	1 27	15 58	0 51	21 37	1 21	20 31	0 33	F 16
S 17	23 19	6 59	3 18	19 24	1 42	21 3	2 8	17 55	1 29	15 54	0 51	21 38	1 21	20 30	0 33	S 17
S 18	23 21	3 11	2 24	19 45	1 35	20 45	2 7	17 56	1 30	15 51	0 51	21 38	1 21	20 29	0 33	S 18
M19	23 23	0s51	1 22	20 6	1 27	20 26	2 7	17 57	1 32	15 47	0 51	21 39	1 21	20 29	0 33	M19
T 20	23 24	4 58	0 14	20 26	1 20	20 6	2 6	17 59	1 33	15 44	0 51	21 40	1 21	20 28	0 33	T 20
W21	23 25	8 59	0n58	20 46	1 12	19 46	2 5	18 1	1 35	15 40	0 51	21 40	1 21	20 27	0 33	W21
T 22	23 25	12 38	2 8	21 6	1 4	19 26	2 4	18 2	1 36	15 36	0 50	21 41	1 20	20 27	0 33	T 22
F 23	23 25	15 39	3 12	21 24	0 56	19 5	2 3	18 5	1 37	15 33	0 50	21 41	1 20	20 26	0 33	F 23
S 24	23 24	17 43	4 6	21 42	0 48	18 44	2 2	18 7	1 38	15 29	0 50	21 42	1 20	20 25	0 33	S 24
S 25	23 23	18 35	4 43	22 0	0 41	18 22	2 1	18 9	1 39	15 25	0 50	21 42	1 20	20 24	0 33	S 25
M26	23 21	18 6	5 0	22 16	0 33	17 59	2 0	18 12	1 40	15 21	0 50	21 43	1 20	20 24	0 33	M26
T 27	23 19	16 18	4 55	22 31	0 25	17 36	1 58	18 15	1 41	15 17	0 50	21 43	1 20	20 23	0 33	T 27
W28	23 17	13 25	4 30	22 46	0 18	17 13	1 57	18 17	1 42	15 13	0 50	21 44	1 20	20 22	0 33	W28
T 29	23 14	9 44	3 47	22 59	0 10	16 49	1 55	18 20	1 43	15 9	0 50	21 44	1 20	20 22	0 33	T 29
F 30	23 10	5 37	2 52	23 12	0 3	16 25	1 53	18 24	1 44	15 6	0 50	21 45	1 20	20 21	0 33	F 30
S 31	23s 6	1s19	1n48	23s23	0s 5	16s 1	1s51	18n27	1n45	15s 1	0s50	21s45	1n20	20s20	0s33	S 31

Julian Day Number = 2511413.5, Delta T = 131.72 sec
 Ecliptic obliquity = 23°24'55, Nutation = 0°00'04, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°01'51, Lahiri = 26°08'51