



Astrodienst Ephemeris Tables for the year 2137

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 2137
geocentric

JANUARY 2137

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 43 6	10°37'41	18° 2	20°44	25°27	17°10	27°41	15°5	6°18	6°46	7°R54	24°R51	25°19	17°46	15°R46	T 1
W 2	6 47 3	11°38'49	13° 2	22° 5	26°13	17°56	27°52	15°12	6°19	6°48	7°II53	24°47	25°16	17°53	15°II43	W 2
T 3	6 51 0	12°39'57	24°55	23°28	26°58	18°43	28° 3	15°19	6°19	6°49	7°52	24°40	25°13	18° 0	15°40	T 3
F 4	6 54 56	13°41'05	6°II46	24°51	27°42	19°29	28°14	15°27	6°19	6°51	7°51	24°30	25°10	18° 6	15°37	F 4
S 5	6 58 53	14°42'13	18°38	26°15	28°24	20°15	28°25	15°34	6°20	6°53	7°50	24°18	25° 7	18°13	15°34	S 5
S 6	7 2 49	15°43'21	0°32	27°41	29° 6	21° 2	28°36	15°41	6°20	6°55	7°50	24° 5	25° 3	18°20	15°31	S 6
M 7	7 6 46	16°44'29	12°31	29° 6	29°47	21°48	28°47	15°48	6°20	6°57	7°49	23°51	25° 0	18°27	15°28	M 7
T 8	7 10 42	17°45'36	24°35	0°33	0°426	22°35	28°58	15°55	6°20	6°59	7°48	23°38	24°57	18°33	15°25	T 8
W 9	7 14 39	18°46'44	6°45	2° 0	1° 4	23°21	29° 9	16° 2	6°21	7° 1	7°47	23°28	24°54	18°40	15°22	W 9
T 10	7 18 36	19°47'52	19° 3	3°28	1°40	24° 8	29°19	16° 9	6°R21	7° 2	7°46	23°20	24°51	18°47	15°19	T 10
F 11	7 22 32	20°48'59	1°30	4°57	2°16	24°54	29°30	16°16	6°21	7° 4	7°45	23°15	24°48	18°53	15°17	F 11
S 12	7 26 29	21°50'07	14° 8	6°26	2°50	25°41	29°40	16°23	6°21	7° 6	7°45	23°12	24°44	19° 0	15°14	S 12
S 13	7 30 25	22°51'14	26°59	7°55	3°22	26°27	29°51	16°30	6°20	7° 8	7°44	23°D12	24°41	19° 7	15°11	S 13
M14	7 34 22	23°52'21	10° 6	9°25	3°53	27°14	0°1	16°37	6°20	7° 9	7°43	23°13	24°38	19°14	15° 9	M14
T 15	7 38 18	24°53'28	23°32	10°56	4°22	28° 1	0°11	16°44	6°20	7°11	7°42	23°R13	24°35	19°20	15° 6	T 15
W16	7 42 15	25°54'36	7°20	12°27	4°49	28°47	0°21	16°51	6°20	7°13	7°42	23°13	24°32	19°27	15° 4	W16
T 17	7 46 11	26°55'43	21°30	13°59	5°15	29°34	0°31	16°58	6°19	7°14	7°41	23°10	24°28	19°34	15° 1	T 17
F 18	7 50 8	27°56'50	6°1	15°31	5°39	0°21	0°41	17° 5	6°19	7°16	7°40	23° 5	24°25	19°40	14°59	F 18
S 19	7 54 5	28°57'57	20°50	17° 3	6° 2	1° 8	0°51	17°12	6°19	7°17	7°40	22°58	24°22	19°47	14°57	S 19
S 20	7 58 1	29°59'04	5°49	18°37	6°22	1°55	1° 0	17°19	6°18	7°19	7°39	22°50	24°19	19°54	14°55	S 20
M21	8 1 58	1°0'10	20°51	20°10	6°40	2°41	1°10	17°26	6°17	7°21	7°38	22°41	24°16	20° 1	14°52	M21
T 22	8 5 54	2° 1'16	5°45	21°45	6°56	3°28	1°19	17°33	6°17	7°22	7°38	22°33	24°13	20° 7	14°50	T 22
W23	8 9 51	3° 2'21	20°22	23°20	7°11	4°15	1°28	17°40	6°16	7°24	7°37	22°27	24° 9	20°14	14°48	W23
T 24	8 13 47	4° 3'25	4°37	24°55	7°23	5° 2	1°38	17°47	6°15	7°25	7°37	22°24	24° 6	20°21	14°46	T 24
F 25	8 17 44	5° 4'28	18°24	26°31	7°32	5°49	1°47	17°54	6°15	7°26	7°36	22°D22	24° 3	20°28	14°44	F 25
S 26	8 21 40	6° 5'31	1°44	28° 7	7°40	6°36	1°56	18° 1	6°14	7°28	7°35	22°22	24° 0	20°34	14°42	S 26
S 27	8 25 37	7° 6'32	14°38	29°45	7°45	7°23	2° 4	18° 8	6°13	7°29	7°35	22°24	23°57	20°41	14°41	S 27
M28	8 29 34	8° 7'32	27°10	1°22	7°47	8°10	2°13	18°15	6°12	7°31	7°34	22°25	23°54	20°48	14°39	M28
T 29	8 33 30	9° 8'32	9°32	3° 1	7°R48	8°57	2°22	18°21	6°11	7°32	7°34	22°R26	23°50	20°54	14°37	T 29
W30	8 37 27	10° 9'30	21°26	4°40	7°45	9°44	2°30	18°28	6°10	7°33	7°33	22°25	23°47	21° 1	14°36	W30
T 31	8 41 23	11°10'27	3°II20	6°19	7°41	10°31	2°39	18°35	6° 9	7°34	7°II33	22°42	23°44	21°II 8	14°II34	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23s 0	14n37	2n59	22s12	0n54	13s33	0s33	23s16	0s58	18s45	0n54	22s12	0n22	1s49	0n44	19s52	1n35
W 2	22 55	19 19	3 46	22 25	0 46	13 10	0 25	23 11	0 58	18 48	0 54	22 12	0 22	1 50	0 44	19 52	1 35
T 3	22 49	23 13	4 22	22 38	0 38	12 47	0 17	23 5	0 58	18 50	0 54	22 11	0 22	1 50	0 44	19 52	1 35
F 4	22 43	26 8	4 47	22 50	0 30	12 24	0 9	22 58	0 59	18 53	0 54	22 10	0 22	1 50	0 44	19 53	1 35
S 5	22 37	27 55	5 0	23 0	0 22	12 1	0 0	22 52	0 59	18 55	0 54	22 10	0 22	1 50	0 44	19 53	1 35
S 6	22 30	28 25	4 59	23 10	0 14	11 39	0n 9	22 45	0 59	18 57	0 54	22 9	0 22	1 50	0 44	19 53	1 35
M 7	22 23	27 34	4 46	23 19	0 6	11 16	0 18	22 38	0 59	19 0	0 54	22 8	0 21	1 50	0 45	19 54	1 35
T 8	22 15	25 26	4 19	23 27	0s 1	10 53	0 27	22 31	1 0	19 2	0 54	22 7	0 21	1 50	0 45	19 54	1 35
W 9	22 7	22 8	3 40	23 33	0 9	10 31	0 37	22 23	1 0	19 4	0 54	22 7	0 21	1 50	0 45	19 54	1 35
T 10	21 58	17 49	2 51	23 39	0 16	10 8	0 47	22 16	1 0	19 6	0 54	22 6	0 21	1 50	0 45	19 54	1 35
F 11	21 49	12 41	1 53	23 43	0 23	9 46	0 57	22 7	1 0	19 9	0 54	22 5	0 21	1 50	0 45	19 55	1 35
S 12	21 39	6 59	0 48	23 46	0 30	9 24	1 8	21 59	1 1	19 11	0 54	22 4	0 21	1 50	0 45	19 55	1 35
S 13	21 29	0 53	0s20	23 48	0 37	9 3	1 19	21 51	1 1	19 13	0 55	22 3	0 21	1 50	0 45	19 55	1 35
M14	21 19	5s22	1 29	23 49	0 44	8 41	1 30	21 42	1 1	19 15	0 55	22 3	0 21	1 50	0 45	19 55	1 35
T 15	21 8	11 32	2 35	23 49	0 50	8 20	1 41	21 33	1 1	19 17	0 55	22 2	0 21	1 50	0 45	19 56	1 35
W16	20 57	17 18	3 33	23 47	0 56	7 59	1 52	21 24	1 1	19 19	0 55	22 1	0 21	1 49	0 45	19 56	1 35
T 17	20 46	22 19	4 20	23 44	1 3	7 39	2 4	21 14	1 2	19 21	0 55	22 0	0 21	1 49	0 45	19 56	1 35
F 18	20 34	26 5	4 52	23 39	1 8	7 19	2 16	21 4	1 2	19 23	0 55	21 59	0 21	1 49	0 45	19 56	1 35
S 19	20 21	28 11	5 5	23 33	1 14	6 59	2 29	20 54	1 2	19 25	0 55	21 59	0 21	1 49	0 45	19 57	1 35
S 20	20 8	28 15	4 58	23 26	1 19	6 40	2 41	20 44	1 2	19 27	0 55	21 58	0 21	1 49	0 45	19 57	1 36
M21	19 55	26 15	4 30	23 18	1 24	6 22	2 54	20 34	1 2	19 29	0 55	21 57	0 21	1 48	0 45	19 57	1 36
T 22	19 42	22 26	3 44	23 8	1 29	6 3	3 7	20 23	1 3	19 31	0 55	21 56	0 20	1 48	0 45	19 57	1 36
W23	19 28	17 16	2 43	22 57	1 34	5 46	3 20	20 12	1 3	19 33	0 55	21 55	0 20	1 48	0 45	19 57	1 36
T 24	19 14	11 17	1 34	22 44	1 38	5 29	3 34	20 1	1 3	19 34	0 55	21 54	0 20	1 48	0 45	19 58	1 36
F 25	18 59	4 55	0 21	22 31	1 42	5 13	3 48	19 49	1 3	19 36	0 55	21 54	0 20	1 47	0 45	19 58	1 36
S 26	18 44	1n27	0n50	22 15	1 46	4 57	4 1	19 38	1 3	19 38	0 55	21 53	0 20	1 47	0 45	19 58	1 36
S 27	18 29	7 34	1 57	21 58	1 49	4 42	4 15	19 26	1 3	19 39	0 55	21 52	0 20	1 46	0 45	19 58	1 36
M28	18 13	13 12	2 57	21 40	1 53	4 28	4 29	19 14	1 4	19 41	0 56	21 51	0 20	1 46	0 45	19 58	1 36
T 29	17 57	18 12	3 47	21 21	1 55	4 15	4 43	19 2	1 4	19 43	0 56	21 50	0 20	1 46	0 45	19 59	1 36
W30	17 41	22 23	4 26	21 0	1 58	4 3	4 58	18 49	1 4	19 44	0 56	21 49	0 20	1 45	0 45	19 59	1 36
T 31	17s25	25n36	4n53	20s37	2s 0	3s51	5n12	18s37	1s 4	19s46	0n56	21s48	0n20	1s45	0n45	19s59	1n36

Julian Day Number = 2501583.5, Delta T = 113.18 sec
Ecliptic obliquity = 23°25'26", Nutation = 0°00'02", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°39'17", Lahiri = 25°46'17"

ASTRODIENST EPHEMERIS for the year 2137

geocentric

FEBRUARY 2137

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 45 20	12 ²² 11'23	15 ¹¹ 12	8 ²² 0	7°R33	11 ²² 19	2 ²² 47	18 ²² 42	6°R 8	7 ²² 36	7°R33	22°R18	23 ²² 41	21 ²² 15	14°R33	F 1
S 2	8 49 16	13°12'17	27° 4	9°41	7 ²² 23	12° 6	2°55	18°48	6 ²² 6	7°37	7 ²² 32	22 ²² 12	23°38	21°21	14 ²² 31	S 2
S 3	8 53 13	14°13'11	9 ²² 1	11°22	7°11	12°53	3° 3	18°55	6° 5	7°38	7°32	22° 5	23°34	21°28	14°30	S 3
M 4	8 57 9	15°14'03	21° 5	13° 5	6°56	13°40	3°11	19° 2	6° 4	7°39	7°32	21°57	23°31	21°35	14°29	M 4
T 5	9 1 6	16°14'54	3 ²² 18	14°48	6°39	14°27	3°18	19° 8	6° 3	7°40	7°31	21°51	23°28	21°42	14°28	T 5
W 6	9 5 3	17°15'44	15°41	16°32	6°19	15°14	3°26	19°15	6° 1	7°41	7°31	21°45	23°25	21°48	14°27	W 6
T 7	9 8 59	18°16'33	28°15	18°17	5°57	16° 2	3°33	19°21	6° 0	7°42	7°31	21°41	23°22	21°55	14°26	T 7
F 8	9 12 56	19°17'20	11 ²² 0	20° 2	5°32	16°49	3°41	19°28	5°58	7°43	7°30	21°39	23°19	22° 2	14°25	F 8
S 9	9 16 52	20°18'06	23°57	21°48	5° 6	17°36	3°48	19°34	5°57	7°44	7°30	21°D38	23°15	22° 8	14°24	S 9
S 10	9 20 49	21°18'52	7 ²² 6	23°35	4°37	18°23	3°55	19°41	5°55	7°45	7°30	21°39	23°12	22°15	14°23	S 10
M 11	9 24 45	22°19'36	20°28	25°22	4° 7	19°11	4° 2	19°47	5°54	7°46	7°30	21°41	23° 9	22°22	14°22	M 11
T 12	9 28 42	23°20'19	4 ²² 3	27°10	3°35	19°58	4° 9	19°53	5°52	7°47	7°29	21°42	23° 6	22°29	14°22	T 12
W 13	9 32 38	24°21'02	17°52	28°59	3° 1	20°45	4°15	20° 0	5°50	7°48	7°29	21°R43	23° 3	22°35	14°21	W 13
T 14	9 36 35	25°21'43	1 ²² 55	0 ²² 48	2°27	21°32	4°22	20° 6	5°49	7°49	7°29	21°43	23° 0	22°42	14°21	T 14
F 15	9 40 32	26°22'24	16°11	2°37	1°51	22°20	4°28	20°12	5°47	7°49	7°29	21°42	22°56	22°49	14°20	F 15
S 16	9 44 28	27°23'03	0 ²² 37	4°27	1°15	23° 7	4°34	20°18	5°45	7°50	7°29	21°40	22°53	22°55	14°20	S 16
S 17	9 48 25	28°23'41	15° 9	6°18	0°38	23°54	4°40	20°24	5°43	7°51	7°29	21°37	22°50	23° 2	14°20	S 17
M 18	9 52 21	29°24'18	29°42	8° 8	0° 0	24°42	4°46	20°30	5°41	7°52	7°29	21°33	22°47	23° 9	14°20	M 18
T 19	9 56 18	0 ²² 42'54	14 ²² 11	9°58	29°23	25°29	4°51	20°36	5°39	7°52	7°29	21°30	22°44	23°16	14°19	T 19
W 20	10 0 14	1°25'28	28°28	11°48	28°46	26°17	4°57	20°42	5°37	7°53	7°D29	21°28	22°40	23°22	14°D19	W 20
T 21	10 4 11	2°26'01	12 ²² 28	13°38	28° 9	27° 4	5° 2	20°48	5°35	7°54	7°29	21°27	22°37	23°29	14°20	T 21
F 22	10 8 7	3°26'32	26° 8	15°27	27°33	27°51	5° 7	20°54	5°33	7°54	7°29	21°D27	22°34	23°36	14°20	F 22
S 23	10 12 4	4°27'01	9°27	17°14	26°58	28°39	5°12	21° 0	5°31	7°55	7°29	21°27	22°31	23°43	14°20	S 23
S 24	10 16 1	5°27'28	22°23	19° 1	26°25	29°26	5°17	21° 6	5°29	7°55	7°29	21°29	22°28	23°49	14°20	S 24
M 25	10 19 57	6°27'54	4 ²² 59	20°45	25°52	0 ²² 13	5°22	21°11	5°27	7°56	7°29	21°30	22°25	23°56	14°21	M 25
T 26	10 23 54	7°28'18	17°17	22°27	25°21	1° 1	5°27	21°17	5°25	7°56	7°29	21°31	22°21	24° 3	14°21	T 26
W 27	10 27 50	8°28'40	29°23	24° 7	24°52	1°48	5°31	21°23	5°22	7°56	7°29	21°32	22°18	24° 9	14°22	W 27
T 28	10 31 47	9 ²² 29'00	11 ²² 19	25 ²² 43	24°25	2 ²² 35	5°35	21°28	5°20	7°57	7°29	21°R32	22 ²² 15	24 ²² 16	14 ²² 22	T 28

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17s 8	27n41	5n 7	20s13	2s 2	3s41	5n26	18s24	1s 4	19s47	0n56	21s48	0n20	1s44	0n45	19s59	1n36	9n36	12s 6	3s 3	2s30	28n16	17n13	5s20	
S 2	16 51	28 32	5 8	19 48	2 3	3 31	5 40	18 11	1 4	19 49	0 56	21 47	0 20	1 44	0 45	19 59	1 36	9 37	12 6	3 6	2 32	28 16	17 13	5 20	
S 3	16 33	28 2	4 56	19 21	2 4	3 23	5 54	17 58	1 4	19 50	0 56	21 46	0 20	1 43	0 45	19 59	1 36	9 37	12 5	3 8	2 33	28 17	17 14	5 20	
M 4	16 15	26 14	4 31	18 52	2 5	3 16	6 8	17 44	1 4	19 52	0 56	21 45	0 20	1 43	0 46	19 59	1 36	9 37	12 5	3 11	2 34	28 17	17 14	5 20	
T 5	15 57	23 11	3 53	18 23	2 5	3 9	6 21	17 31	1 4	19 53	0 56	21 44	0 20	1 42	0 46	20 0	1 36	9 37	12 5	3 14	2 35	28 18	17 14	5 19	
W 6	15 39	19 3	3 3	17 52	2 5	3 4	6 34	17 17	1 5	19 54	0 56	21 43	0 20	1 42	0 46	20 0	1 36	9 38	12 5	3 16	2 37	28 18	17 14	5 19	
T 7	15 21	14 1	2 4	17 19	2 4	3 0	6 47	17 3	1 5	19 56	0 56	21 42	0 20	1 41	0 46	20 0	1 36	9 38	12 4	3 18	2 38	28 19	17 14	5 19	
F 8	15 2	8 20	0 58	16 45	2 3	2 57	7 0	16 49	1 5	19 57	0 56	21 42	0 19	1 40	0 46	20 0	1 36	9 38	12 4	3 19	2 39	28 19	17 14	5 19	
S 9	14 43	2 12	0s13	16 9	2 2	2 56	7 12	16 35	1 5	19 58	0 57	21 41	0 19	1 40	0 46	20 0	1 36	9 38	12 4	3 19	2 41	28 20	17 15	5 18	
S 10	14 23	4s 6	1 24	15 32	2 0	2 55	7 23	16 20	1 5	19 59	0 57	21 40	0 19	1 39	0 46	20 0	1 36	9 39	12 3	3 19	2 42	28 20	17 15	5 18	
M 11	14 4	10 20	2 31	14 54	1 57	2 56	7 34	16 5	1 5	20 1	0 57	21 39	0 19	1 38	0 46	20 0	1 36	9 39	12 3	3 18	2 43	28 20	17 15	5 18	
T 12	13 44	16 11	3 32	14 14	1 54	2 58	7 44	15 51	1 5	20 2	0 57	21 38	0 19	1 38	0 46	20 0	1 37	9 39	12 3	3 17	2 44	28 21	17 15	5 17	
W 13	13 24	21 19	4 21	13 33	1 51	3 1	7 54	15 36	1 5	20 3	0 57	21 37	0 19	1 37	0 46	20 0	1 37	9 39	12 3	3 17	2 46	28 21	17 15	5 17	
T 14	13 4	25 21	4 55	12 50	1 46	3 5	8 3	15 20	1 5	20 4	0 57	21 36	0 19	1 36	0 46	20 1	1 37	9 40	12 2	3 17	2 47	28 22	17 16	5 17	
F 15	12 43	27 53	5 12	12 7	1 42	3 10	8 10	15 5	1 5	20 5	0 57	21 35	0 19	1 36	0 46	20 1	1 37	9 40	12 2	3 17	2 48	28 22	17 16	5 17	
S 16	12 22	28 35	5 10	11 22	1 36	3 16	8 17	14 50	1 5	20 6	0 57	21 35	0 19	1 35	0 46	20 1	1 37	9 40	12 2	3 18	2 49	28 22	17 16	5 16	
S 17	12 1	27 20	4 48	10 36	1 30	3 23	8 24	14 34	1 5	20 7	0 57	21 34	0 19	1 34	0 46	20 1	1 37	9 40	12 1	3 20	2 51	28 23	17 16	5 16	
M 18	11 40	24 13	4 7	9 48	1 24	3 31	8 29	14 18	1 5	20 8	0 57	21 33	0 19	1 33	0 46	20 1	1 37	9 41	12 1	3 21	2 52	28 23	17 17	5 16	
T 19	11 19	19 37	3 11	9 0	1 16	3 39	8 33	14 2	1 5	20 9	0 58	21 32	0 19	1 32	0 46	20 1	1 37	9 41	12 1	3 22	2 53	28 23	17 17	5 15	
W 20	10 58	13 56	2 3	8 11	1 8	3 49	8 36	13 46	1 5	20 10	0 58	21 31	0 19	1 32	0 46	20 1	1 37	9 41	12 1	3 23	2 54	28 24	17 17	5 15	
T 21	10 36	7 38	0 49	7 21	1 0	3 59	8 38	13 30	1 5	20 11	0 58	21 30	0 19	1 31	0 46	20 1	1 37	9 41	12 0	3 23	2 56	28 24	17 18	5 15	
F 22	10 14	1 8	0n26	6 31	0 51	4 10	8 40	13 14	1 5	20 12	0 58	21 30	0 19	1 30	0 46	20 1	1 37	9 42	12 0	3 23	2 57	28 24	17 18	5 14	
S 23	9 52	5n14	1 38	5 40	0 41	4 21	8 40	12 57	1 5	20 12	0 58	21 29	0 19	1 29	0 46	20 1	1 37	9 42	12 0	3 23	2 58	28 25	17 18	5 14	
S 24	9 30	11 13	2 43	4 48	0 30	4 33	8 40	12 40	1 5	20 13	0 58	21 28	0 19	1 28	0 46	20 1	1 37	9 42	11 59	3 23	2 59	28 25	17 19	5 14	
M 25	9 8	16 35	3 38	3 57	0 19	4 45	8 38	12 24	1 5	20 14	0 58	21 27	0 19	1 27	0 46	20 1	1 37	9 43	11 59	3 22	3 1	28 25	17 19	5 14	
T 26	8 46	21 10	4 22	3 6	0 7	4 57	8 36	12 7	1 5	20 14	0 58	21 26	0 18	1 27	0 46	20 1	1 37	9 43	11 59	3 22	3 2	28 26	17 19	5 13	
W 27	8 23	24 46	4 53	2 15	0n 5	5 10	8 32	11 50	1 5	20 15	0 58	21 25	0 18	1 26	0 46	20 1	1 37	9 43	11 59	3 21	3 3	28 26	17 20	5 13	
T 28	8s 1	27n16	5n11	1s26	0n18	5s22	8n28	11s33	1s 5	20s16	0n58	21s25	0n18	1s25	0n46	20s 1	1n37	9n44	11s58	3s21	3s 4	28n26	17n20	5s13	

Julian Day Number = 2501614.5, Delta T = 113.23 sec
 Ecliptic obliquity = 23°25'26, Nutation = 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°39'21, Lahiri = 25°46'21

ASTRODIENST EPHEMERIS for the year 2137
geocentric

MARCH 2137

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	10 35 43	10♈29'18	23♊12	27♋15	24°R 0	3♌23	5♍39	21♎34	5°R18	7♏57	7♐30	21°R32	22♋12	24♊23	14♊23	F 1
S 2	10 39 40	11°29'34	5♌5	28°43	23♋37	4°10	5°43	21°39	5♎16	7°57	7°30	21°R31	22°9	24°30	14°24	S 2
S 3	10 43 36	12°29'48	17°4	0♍5	23°16	4°58	5°47	21°44	5°13	7°58	7°30	21°30	22°6	24°36	14°24	S 3
M 4	10 47 33	13°30'01	29°11	1°22	22°58	5°45	5°50	21°50	5°11	7°58	7°30	21°29	22°2	24°43	14°25	M 4
T 5	10 51 30	14°30'11	11♌30	2°33	22°42	6°32	5°53	21°55	5°9	7°58	7°31	21°28	21°59	24°50	14°26	T 5
W 6	10 55 26	15°30'19	24°4	3°37	22°28	7°20	5°57	22°0	5°6	7°58	7°31	21°27	21°56	24°57	14°27	W 6
T 7	10 59 23	16°30'25	6♍54	4°33	22°17	8°7	5°59	22°5	5°4	7°58	7°31	21°26	21°53	25°3	14°28	T 7
F 8	11 3 19	17°30'30	19°59	5°22	22°8	8°54	6°2	22°10	5°1	7°58	7°32	21°D26	21°50	25°10	14°30	F 8
S 9	11 7 16	18°30'32	3♎20	6°2	22°2	9°41	6°5	22°15	4°59	7°58	7°32	21°26	21°46	25°17	14°31	S 9
S 10	11 11 12	19°30'33	16°56	6°34	21°58	10°29	6°7	22°20	4°56	7°R58	7°32	21°26	21°43	25°23	14°32	S 10
M 11	11 15 9	20°30'32	0♎43	6°57	21°D57	11°16	6°10	22°25	4°54	7°58	7°33	21°27	21°40	25°30	14°34	M 11
T 12	11 19 5	21°30'29	14°41	7°11	21°58	12°3	6°12	22°29	4°51	7°58	7°33	21°R27	21°37	25°37	14°35	T 12
W 13	11 23 2	22°30'25	28°46	7°R16	22°2	12°51	6°13	22°34	4°49	7°58	7°34	21°27	21°34	25°44	14°37	W 13
T 14	11 26 59	23°30'19	12♌55	7°12	22°8	13°38	6°15	22°39	4°46	7°58	7°34	21°27	21°31	25°50	14°38	T 14
F 15	11 30 55	24°30'12	27°8	7°0	22°16	14°25	6°17	22°43	4°44	7°58	7°35	21°D27	21°27	25°57	14°40	F 15
S 16	11 34 52	25°30'03	11♎20	6°40	22°26	15°12	6°18	22°48	4°41	7°58	7°35	21°27	21°24	26°4	14°42	S 16
S 17	11 38 48	26°29'52	25°30	6°11	22°39	16°0	6°19	22°52	4°39	7°58	7°36	21°27	21°21	26°10	14°44	S 17
M 18	11 42 45	27°29'40	9♎36	5°36	22°54	16°47	6°20	22°56	4°36	7°57	7°36	21°27	21°18	26°17	14°46	M 18
T 19	11 46 41	28°29'26	23°34	4°55	23°10	17°34	6°21	23°1	4°34	7°57	7°37	21°28	21°15	26°24	14°48	T 19
W 20	11 50 38	29°29'10	7♋23	4°9	23°29	18°21	6°21	23°5	4°31	7°57	7°37	21°29	21°12	26°31	14°50	W 20
T 21	11 54 34	0♍28'52	20°58	3°19	23°50	19°8	6°22	23°9	4°28	7°56	7°38	21°R29	21°8	26°37	14°52	T 21
F 22	11 58 31	1°28'32	4♍20	2°27	24°12	19°56	6°R22	23°13	4°26	7°56	7°38	21°29	21°5	26°44	14°54	F 22
S 23	12 2 28	2°28'11	17°25	1°32	24°36	20°43	6°22	23°17	4°23	7°56	7°39	21°28	21°2	26°51	14°56	S 23
S 24	12 6 24	3°27'47	0♌14	0°37	25°2	21°30	6°22	23°21	4°21	7°55	7°40	21°26	20°59	26°58	14°59	S 24
M 25	12 10 21	4°27'21	12°46	29♋43	25°30	22°17	6°21	23°24	4°18	7°55	7°40	21°25	20°56	27°4	15°1	M 25
T 26	12 14 17	5°26'53	25°5	28°51	25°59	23°4	6°21	23°28	4°15	7°54	7°41	21°23	20°52	27°11	15°3	T 26
W 27	12 18 14	6°26'22	7♊11	28°1	26°29	23°51	6°20	23°32	4°13	7°54	7°42	21°21	20°49	27°18	15°6	W 27
T 28	12 22 10	7°25'50	19°9	27°15	27°1	24°38	6°19	23°35	4°10	7°53	7°43	21°19	20°46	27°24	15°9	T 28
F 29	12 26 7	8°25'15	1♌5	26°34	27°35	25°25	6°18	23°39	4°8	7°52	7°43	21°18	20°43	27°31	15°11	F 29
S 30	12 30 3	9°24'38	12°55	25°57	28°9	26°12	6°17	23°42	4°5	7°52	7°44	21°D18	20°40	27°38	15°14	S 30
S 31	12 34 0	10♍23'58	24♌53	25♋25	28♋45	26♌59	6♍15	23♎45	4♎2	7♏51	7♐45	21♋19	20♋37	27♊45	15♊17	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	lat
F 1	7s38	28n31	5n16	0s37	0n31	5s35	8n23	11s16	1 s 4	20s16	0n59	21s24	0n18	1s24	0n46	20s 1	1n37	9n44	11s58	3s21	3s 6	28n27	17n20	5s12										
S 2	7 15	28 27	5 7	0n11	0 45	5 48	8 18	10 58	1 4	20 17	0 59	21 23	0 18	1 23	0 46	20 1	1 37	9 44	11 58	3 22	3 7	28 27	17 21	5 12										
S 3	6 52	27 3	4 45	0 56	0 59	6 0	8 12	10 41	1 4	20 17	0 59	21 22	0 18	1 22	0 46	20 1	1 37	9 45	11 57	3 22	3 8	28 27	17 21	5 12										
M 4	6 29	24 23	4 11	1 40	1 13	6 12	8 5	10 24	1 4	20 18	0 59	21 21	0 18	1 21	0 46	20 1	1 38	9 45	11 57	3 23	3 9	28 27	17 22	5 11										
T 5	6 6	20 35	3 24	2 21	1 27	6 25	7 57	10 6	1 4	20 18	0 59	21 21	0 18	1 20	0 46	20 1	1 38	9 45	11 57	3 23	3 11	28 27	17 22	5 11										
W 6	5 43	15 47	2 26	2 59	1 42	6 36	7 49	9 48	1 4	20 19	0 59	21 20	0 18	1 19	0 46	20 1	1 38	9 46	11 57	3 23	3 12	28 28	17 22	5 11										
T 7	5 19	10 13	1 20	3 35	1 56	6 48	7 41	9 30	1 4	20 19	0 59	21 19	0 18	1 18	0 46	20 1	1 38	9 46	11 56	3 24	3 13	28 28	17 23	5 10										
F 8	4 56	4 5	0 8	4 7	2 9	6 59	7 32	9 13	1 4	20 20	0 59	21 18	0 18	1 17	0 46	20 1	1 38	9 46	11 56	3 24	3 14	28 28	17 23	5 10										
S 9	4 33	2s20	1s 6	4 35	2 23	7 9	7 23	8 55	1 4	20 20	0 59	21 18	0 18	1 16	0 46	20 1	1 38	9 47	11 56	3 24	3 16	28 28	17 24	5 10										
S 10	4 9	8 45	2 17	4 59	2 35	7 19	7 14	8 37	1 3	20 20	1 0	21 17	0 18	1 15	0 46	20 1	1 38	9 47	11 55	3 23	3 17	28 29	17 24	5 10										
M11	3 46	14 51	3 21	5 19	2 47	7 29	7 4	8 19	1 3	20 21	1 0	21 16	0 18	1 14	0 46	20 1	1 38	9 47	11 55	3 23	3 18	28 29	17 25	5 9										
T 12	3 22	20 16	4 14	5 34	2 58	7 38	6 54	8 0	1 3	20 21	1 0	21 15	0 18	1 13	0 46	20 1	1 38	9 48	11 55	3 23	3 19	28 29	17 25	5 9										
W13	2 58	24 37	4 52	5 45	3 8	7 47	6 44	7 42	1 3	20 21	1 0	21 15	0 18	1 12	0 46	20 1	1 38	9 48	11 55	3 23	3 21	28 29	17 26	5 9										
T 14	2 35	27 31	5 13	5 52	3 16	7 55	6 34	7 24	1 3	20 21	1 0	21 14	0 18	1 11	0 46	20 1	1 38	9 48	11 54	3 23	3 22	28 29	17 26	5 8										
F 15	2 11	28 39	5 15	5 53	3 23	8 2	6 23	7 5	1 3	20 21	1 0	21 13	0 18	1 10	0 46	20 1	1 38	9 49	11 54	3 23	3 23	28 29	17 26	5 8										
S 16	1 47	27 53	4 58	5 50	3 28	8 9	6 13	6 47	1 2	20 22	1 0	21 13	0 18	1 9	0 46	20 0	1 38	9 49	11 54	3 23	3 24	28 29	17 27	5 8										
S 17	1 23	25 20	4 23	5 42	3 32	8 15	6 2	6 29	1 2	20 22	1 0	21 12	0 18	1 8	0 46	20 0	1 38	9 49	11 53	3 23	3 26	28 30	17 27	5 7										
M18	1 0	21 14	3 32	5 30	3 34	8 20	5 51	6 10	1 2	20 22	1 0	21 11	0 17	1 7	0 46	20 0	1 38	9 50	11 53	3 23	3 27	28 30	17 28	5 7										
T 19	0 36	15 59	2 29	5 14	3 34	8 25	5 41	5 51	1 2	20 22	1 0	21 11	0 17	1 6	0 46	20 0	1 38	9 50	11 53	3 23	3 28	28 30	17 28	5 7										
W20	0 12	10 0	1 17	4 53	3 32	8 29	5 30	5 33	1 2	20 22	1 1	21 10	0 17	1 5	0 46	20 0	1 38	9 50	11 53	3 23	3 29	28 30	17 29	5 7										
T 21	0n11	3 37	0 3	4 30	3 28	8 33	5 19	5 14	1 1	20 22	1 1	21 9	0 17	1 4	0 46	20 0	1 38	9 51	11 52	3 23	3 31	28 30	17 29	5 6										
F 22	0 35	2n48	1n11	4 4	3 22	8 35	5 8	4 55	1 1	20 22	1 1	21 9	0 17	1 3	0 46	20 0	1 38	9 51	11 52	3 23	3 32	28 30	17 30	5 6										
S 23	0 59	8 58	2 19	3 35	3 14	8 38	4 58	4 37	1 1	20 22	1 1	21 8	0 17	1 2	0 46	20 0	1 38	9 51	11 52	3 23	3 33	28 30	17 30	5 6										
S 24	1 23	14 38	3 18	3 5	3 5	8 39	4 47	4 18	1 1	20 21	1 1	21 8	0 17	1 1	0 46	20 0	1 39	9 52	11 52	3 24	3 34	28 30	17 31	5 6										
M25	1 46	19 35	4 7	2 33	2 54	8 40	4 37	3 59	1 0	20 21	1 1	21 7	0 17	1 0	0 46	20 0	1 39	9 52	11 51	3 24	3 36	28 30	17 32	5 5										
T 26	2 10	23 36	4 43	2 1	2 42	8 40	4 26	3 40	1 0	20 21	1 1	21 6	0 17	0 59	0 46	19 59	1 39	9 52	11 51	3 25	3 37	28 30	17 32	5 5										
W27	2 33	26 31	5 6	1 30	2 29	8 40	4 16	3 21	1 0	20 21	1 1	21 6	0 17	0 58	0 46	19 59	1 39	9 53	11 51	3 26	3 38	28 30	17 33	5 5										
T 28	2 57	28 13	5 15	0 58	2 15	8 39	4 6	3 3	1 0	20 21	1 1	21 5	0 17	0 57	0 46	19 59	1 39	9 53	11 51	3 26	3 39	28 31	17 33	5 4										
F 29	3 20	28 36	5 11	0 28	2 0	8 37	3 55	2 44	0 59	20 20	1 1	21 5	0 17	0 56	0 46	19 59	1 39	9 54	11 50	3 27	3 41	28 31	17 34	5 4										
S 30	3 44	27 40	4 53	0s 1	1 45	8 35	3 45	2 25	0 59	20 20	1 2	21 4	0 17	0 55	0 46	19 59	1 39	9 54	11 50	3 27	3 42	28 31	17 34	5 4										
S 31	4n 7	25n27	4n23	0s27	1n29	8s32	3n35	2s 6	0s59	20s20	1n 2	21s 4	0n17	0s54	0n46	19s59	1n39	9n54	11s50	3s27	3s43	28n31	17n35	5s 4										

ASTRODIENST EPHEMERIS for the year 2137
geocentric

MAY 2137

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	14 36 13	10♈47'11	9♎52	16♊14	24♋36	20♌59	4°R 5	24♎40	2°R51	7°R18	8♐17	20♑17	18♒58	1♓13	17♈10	W 1
T 2	14 40 10	11°45'29	22°53	17°41	25°36	21°45	3♌58	24°40	2♎49	7♐16	8°18	20°R17	18°55	1°20	17°14	T 2
F 3	14 44 6	12°43'44	6♎19	19°10	26°35	22°31	3°52	24°40	2°47	7°15	8°20	20°16	18°52	1°26	17°19	F 3
S 4	14 48 3	13°41'57	20°13	20°42	27°35	23°16	3°45	24°R40	2°45	7°13	8°21	20°13	18°49	1°33	17°23	S 4
S 5	14 51 59	14°40'09	4♎32	22°15	28°35	24° 2	3°38	24°40	2°44	7°12	8°22	20° 7	18°45	1°40	17°28	S 5
M 6	14 55 56	15°38'19	19°11	23°50	29°36	24°48	3°31	24°40	2°42	7°11	8°23	20° 0	18°42	1°47	17°32	M 6
T 7	14 59 52	16°36'27	4♌3	25°27	0♊37	25°33	3°25	24°40	2°40	7° 9	8°25	19°51	18°39	1°53	17°37	T 7
W 8	15 3 49	17°34'34	19° 1	27° 6	1°38	26°19	3°18	24°40	2°39	7° 8	8°26	19°43	18°36	2° 0	17°41	W 8
T 9	15 7 46	18°32'39	3♓53	28°46	2°39	27° 5	3°10	24°39	2°37	7° 6	8°27	19°35	18°33	2° 7	17°46	T 9
F 10	15 11 42	19°30'43	18°34	0♋29	3°41	27°50	3° 3	24°39	2°36	7° 5	8°28	19°29	18°29	2°13	17°51	F 10
S 11	15 15 39	20°28'45	2♌57	2°14	4°43	28°36	2°56	24°38	2°34	7° 3	8°30	19°26	18°26	2°20	17°55	S 11
S 12	15 19 35	21°26'46	17° 0	4° 0	5°45	29°21	2°49	24°37	2°33	7° 1	8°31	19°D25	18°23	2°27	18° 0	S 12
M13	15 23 32	22°24'46	0♋42	5°49	6°48	0♋ 6	2°41	24°36	2°31	7° 0	8°32	19°25	18°20	2°34	18° 5	M13
T 14	15 27 28	23°22'44	14° 5	7°39	7°51	0°52	2°34	24°35	2°30	6°58	8°34	19°R25	18°17	2°40	18° 9	T 14
W15	15 31 25	24°20'41	27°12	9°31	8°54	1°37	2°26	24°34	2°29	6°57	8°35	19°25	18°14	2°47	18°14	W15
T 16	15 35 21	25°18'37	10♊3	11°26	9°57	2°22	2°19	24°33	2°27	6°55	8°36	19°23	18°10	2°54	18°19	T 16
F 17	15 39 18	26°16'31	22°42	13°22	11° 1	3° 7	2°11	24°32	2°26	6°54	8°38	19°19	18° 7	3° 0	18°24	F 17
S 18	15 43 15	27°14'24	5♋11	15°20	12° 5	3°52	2° 4	24°31	2°25	6°52	8°39	19°12	18° 4	3° 7	18°29	S 18
S 19	15 47 11	28°12'16	17°30	17°19	13° 9	4°37	1°56	24°29	2°24	6°50	8°40	19° 2	18° 1	3°14	18°33	S 19
M20	15 51 8	29°10'07	29°41	19°21	14°13	5°22	1°49	24°28	2°23	6°49	8°42	18°50	17°58	3°21	18°38	M20
T 21	15 55 4	0♐11	7°56	11♐45	21°24	15°17	6° 7	1°41	24°26	2°22	6°47	18°38	17°55	3°27	18°43	T 21
W22	15 59 1	1° 5'44	23°43	23°29	16°22	6°52	1°33	24°25	2°21	6°46	8°44	18°25	17°51	3°34	18°48	W22
T 23	16 2 57	2° 3'30	5♓36	25°36	17°26	7°37	1°26	24°23	2°20	6°44	8°46	18°13	17°48	3°41	18°53	T 23
F 24	16 6 54	3° 1'15	17°26	27°44	18°31	8°22	1°18	24°21	2°19	6°42	8°47	18° 3	17°45	3°48	18°58	F 24
S 25	16 10 51	3°58'58	29°17	29°53	19°37	9° 7	1°10	24°19	2°18	6°41	8°48	17°56	17°42	3°54	19° 3	S 25
S 26	16 14 47	4°56'39	11♎12	2♐3	20°42	9°51	1° 3	24°17	2°17	6°39	8°50	17°51	17°39	4° 1	19° 8	S 26
M27	16 18 44	5°54'20	23°15	4°14	21°47	10°36	0°55	24°15	2°17	6°38	8°51	17°49	17°35	4° 8	19°13	M27
T 28	16 22 40	6°51'58	5♎31	6°26	22°53	11°21	0°48	24°13	2°16	6°36	8°53	17°D49	17°32	4°14	19°18	T 28
W29	16 26 37	7°49'35	18° 6	8°37	23°59	12° 5	0°40	24°10	2°15	6°34	8°54	17°R49	17°29	4°21	19°23	W29
T 30	16 30 33	8°47'11	1♋3	10°49	25° 5	12°50	0°32	24° 8	2°15	6°33	8°55	17°48	17°26	4°28	19°28	T 30
F 31	16 34 30	9♐44'45	14♎27	13♐1	26♊11	13♋34	0♌25	24♎6	2♎14	6♐31	8♐57	17♑46	17♒23	4♓35	19♈33	F 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	lat
W 1	15n 3	8n44	0n56	3n47	2s49	2s32	0s26	7n28	0s47	19s55	1n 3	20s56	0n15	0s26	0n46	19s52	1n40	10n 5	11s44	3s51	4s22	28n27	17n52	4s58		
T 2	15 21	2 37	0s14	4 21	2 48	2 14	0 31	7 45	0 46	19 54	1 3	20 56	0 15	0 25	0 46	19 52	1 40	10 5	11 43	3 51	4 23	28 27	17 53	4 57		
F 3	15 39	3s49	1 25	4 57	2 46	1 55	0 37	8 3	0 46	19 53	1 3	20 56	0 15	0 25	0 46	19 52	1 40	10 6	11 43	3 51	4 24	28 26	17 53	4 57		
S 4	15 56	10 16	2 33	5 33	2 43	1 36	0 42	8 20	0 45	19 51	1 3	20 56	0 15	0 24	0 46	19 52	1 40	10 6	11 43	3 53	4 26	28 26	17 54	4 57		
S 5	16 14	16 23	3 34	6 10	2 40	1 17	0 47	8 38	0 45	19 50	1 3	20 56	0 15	0 23	0 46	19 51	1 40	10 6	11 43	3 55	4 27	28 26	17 54	4 57		
M 6	16 31	21 42	4 22	6 48	2 37	0 57	0 52	8 55	0 44	19 49	1 3	20 56	0 15	0 23	0 45	19 51	1 40	10 7	11 43	3 58	4 28	28 25	17 55	4 57		
T 7	16 47	25 45	4 53	7 27	2 33	0 37	0 56	9 12	0 44	19 47	1 3	20 56	0 15	0 22	0 45	19 51	1 40	10 7	11 43	4 1	4 29	28 25	17 55	4 57		
W 8	17 4	28 2	5 4	8 7	2 29	0 17	1 1	9 29	0 43	19 46	1 3	20 56	0 15	0 21	0 45	19 50	1 40	10 7	11 43	4 4	4 30	28 25	17 56	4 57		
T 9	17 20	28 17	4 55	8 48	2 23	0n 3	1 5	9 46	0 43	19 45	1 3	20 56	0 15	0 21	0 45	19 50	1 40	10 8	11 43	4 7	4 32	28 25	17 56	4 57		
F 10	17 36	26 32	4 27	9 29	2 18	0 24	1 10	10 3	0 42	19 44	1 3	20 56	0 15	0 20	0 45	19 50	1 40	10 8	11 42	4 9	4 33	28 24	17 57	4 57		
S 11	17 51	23 5	3 41	10 10	2 12	0 45	1 14	10 19	0 41	19 42	1 3	20 57	0 15	0 20	0 45	19 50	1 40	10 8	11 42	4 11	4 34	28 24	17 57	4 57		
S 12	18 7	18 20	2 44	10 53	2 5	1 6	1 18	10 36	0 41	19 41	1 3	20 57	0 15	0 19	0 45	19 49	1 40	10 9	11 42	4 11	4 35	28 24	17 58	4 56		
M13	18 22	12 45	1 38	11 35	1 58	1 27	1 22	10 52	0 40	19 39	1 3	20 57	0 15	0 19	0 45	19 49	1 40	10 9	11 42	4 11	4 37	28 23	17 58	4 56		
T 14	18 36	6 42	0 28	12 18	1 51	1 48	1 25	11 9	0 40	19 38	1 3	20 57	0 14	0 18	0 45	19 49	1 40	10 9	11 42	4 11	4 38	28 23	17 59	4 56		
W15	18 51	0 29	0n41	13 1	1 43	2 10	1 29	11 25	0 39	19 37	1 3	20 57	0 14	0 18	0 45	19 49	1 40	10 9	11 42	4 11	4 39	28 22	17 59	4 56		
T 16	19 5	5n37	1 47	13 45	1 35	2 31	1 32	11 41	0 39	19 35	1 3	20 58	0 14	0 17	0 45	19 48	1 40	10 10	11 42	4 12	4 40	28 22	18 0	4 56		
F 17	19 18	11 25	2 47	14 28	1 26	2 53	1 36	11 57	0 38	19 34	1 3	20 58	0 14	0 17	0 45	19 48	1 40	10 10	11 42	4 14	4 42	28 22	18 0	4 56		
S 18	19 32	16 39	3 38	15 12	1 17	3 15	1 39	12 13	0 38	19 32	1 2	20 58	0 14	0 16	0 45	19 48	1 40	10 10	11 42	4 16	4 43	28 21	18 0	4 56		
S 19	19 45	21 9	4 17	15 55	1 7	3 37	1 42	12 28	0 37	19 31	1 2	20 59	0 14	0 16	0 45	19 48	1 40	10 11	11 42	4 20	4 44	28 21	18 1	4 56		
M20	19 58	24 42	4 45	16 38	0 58	3 59	1 45	12 44	0 37	19 30	1 2	20 59	0 14	0 15	0 45	19 47	1 40	10 11	11 41	4 25	4 45	28 21	18 1	4 56		
T 21	20 10	27 7	4 59	17 20	0 48	4 21	1 48	12 59	0 36	19 28	1 2	20 59	0 14	0 15	0 45	19 47	1 40	10 11	11 41	4 30	4 47	28 20	18 2	4 56		
W22	20 22	28 16	5 0	18 2	0 37	4 44	1 50	13 15	0 35	19 27	1 2	21 0	0 14	0 15	0 45	19 47	1 40	10 11	11 41	4 35	4 48	28 20	18 2	4 56		
T 23	20 34	28 5	4 47	18 43	0 27	5 6	1 53	13 30	0 35	19 25	1 2	21 0	0 14	0 14	0 45	19 46	1 40	10 12	11 41	4 39	4 49	28 19	18 3	4 56		
F 24	20 45	26 38	4 23	19 22	0 16	5 29	1 55	13 45	0 34	19 24	1 2	21 0	0 14	0 14	0 45	19 46	1 40	10 12	11 41	4 43	4 50	28 19	18 3	4 56		
S 25	20 56	23 59	3 47	20 1	0 6	5 51	1 58	14 0	0 34	19 22	1 2	21 1	0 14	0 14	0 45	19 46	1 40	10 12	11 41	4 46	4 52	28 18	18 3	4 56		
S 26	21 6	20 18	3 1	20 38	0n 5	6 13	2 0	14 14	0 33	19 21	1 2	21 1	0 14	0 14	0 45	19 46	1 40	10 12	11 41	4 48	4 53	28 18	18 4	4 56		
M27	21 17	15 45	2 6	21 14	0 15	6 36	2 2	14 29	0 32	19 19	1 2	21 2	0 14	0 13	0 45	19 45	1 40	10 13	11 41	4 49	4 54	28 17	18 4	4 56		
T 28	21 27	10 29	1 5	21 47	0 26	6 59	2 4	14 43	0 32	19 18	1 1	21 2	0 14	0 13	0 45	19 45	1 40	10 13	11 41	4 49	4 55	28 17	18 5	4 56		
W29	21 36	4 41	0s 1	22 19	0 36	7 21	2 6	14 57	0 31	19 17	1 1	21 3	0 14	0 13	0 45	19 45	1 40	10 13	11 41	4 49	4 57	28 16	18 5	4 56		
T 30	21 35	1s 29	1 9	22 48	0 46	7 44	2 7	15 12	0 31	19 15	1 1	21 3	0 13	0 13	0 45	19 45	1 40	10 13	11 41	4 49	4 58	28 16	18 5	4 56		
F 31	21n54	7s47	2s16	23n15	0n55	8n 6	2s 9	15n25	0s30	19s14	1n 1	21s 4	0n13	0s13	0n45	19s44	1n40	10n14	11s41	4s50	4s59	28n15	18n 6	4s56		

ASTRODIENST EPHEMERIS for the year 2137
geocentric

JUNE 2137

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	16 38 26	10II42'18	28♂21	15II12	27Υ17	14♂18	0°R18	24°R 3	2°R14	6°R29	8II58	17°R42	17♂20	4♂41	19II39	S 1
S 2	16 42 23	11°39'49	12♂44	17°23	28°23	15° 3	0♂10	24♂ 1	2♂13	6♂28	8°59	17♂35	17°16	4°48	19°44	S 2
M 3	16 46 20	12°37'20	27°33	19°32	29°30	15°47	0° 3	23°58	2°13	6°26	9° 1	17°26	17°13	4°55	19°49	M 3
T 4	16 50 16	13°34'49	12♂39	21°40	0♂37	16°31	29♂56	23°55	2°13	6°25	9° 2	17°15	17°10	5° 1	19°54	T 4
W 5	16 54 13	14°32'17	27°54	23°47	1°43	17°15	29°48	23°52	2°13	6°23	9° 3	17° 4	17° 7	5° 8	19°59	W 5
T 6	16 58 9	15°29'45	13♂ 6	25°52	2°50	17°59	29°41	23°49	2°12	6°21	9° 5	16°55	17° 4	5°15	20° 4	T 6
F 7	17 2 6	16°27'11	28° 5	27°55	3°57	18°43	29°34	23°46	2°12	6°20	9° 6	16°47	17° 1	5°22	20° 9	F 7
S 8	17 6 2	17°24'37	12♂44	29°56	5° 5	19°27	29°27	23°43	2°12	6°18	9° 8	16°42	16°57	5°28	20°14	S 8
S 9	17 9 59	18°22'02	26°57	1♂55	6°12	20°11	29°20	23°40	2°D12	6°17	9° 9	16°39	16°54	5°35	20°20	S 9
M10	17 13 55	19°19'27	10♂44	3°52	7°19	20°55	29°13	23°37	2°12	6°15	9°10	16°39	16°51	5°42	20°25	M10
T 11	17 17 52	20°16'50	24° 6	5°47	8°27	21°39	29° 7	23°34	2°12	6°13	9°12	16°39	16°48	5°48	20°30	T 11
W12	17 21 49	21°14'14	7Υ 7	7°39	9°35	22°23	29° 0	23°30	2°12	6°12	9°13	16°38	16°45	5°55	20°35	W12
T 13	17 25 45	22°11'36	19°49	9°29	10°42	23° 6	28°53	23°27	2°12	6°10	9°14	16°36	16°41	6° 2	20°40	T 13
F 14	17 29 42	23° 8'59	2♂17	11°16	11°50	23°50	28°47	23°24	2°13	6° 9	9°16	16°31	16°38	6° 9	20°45	F 14
S 15	17 33 38	24° 6'20	14°34	13° 1	12°58	24°34	28°41	23°20	2°13	6° 7	9°17	16°24	16°35	6°15	20°50	S 15
S 16	17 37 35	25° 3'42	26°42	14°43	14° 6	25°17	28°35	23°16	2°13	6° 6	9°18	16°13	16°32	6°22	20°56	S 16
M17	17 41 31	26° 1'03	8II43	16°23	15°15	26° 1	28°28	23°13	2°14	6° 4	9°20	16° 1	16°29	6°29	21° 1	M17
T 18	17 45 28	26°58'23	20°39	18° 0	16°23	26°44	28°22	23° 9	2°14	6° 3	9°21	15°48	16°26	6°35	21° 6	T 18
W19	17 49 24	27°55'43	2♂32	19°35	17°31	27°27	28°17	23° 5	2°15	6° 1	9°22	15°34	16°22	6°42	21°11	W19
T 20	17 53 21	28°53'02	14°24	21° 7	18°40	28°11	28°11	23° 2	2°15	6° 0	9°24	15°22	16°19	6°49	21°16	T 20
F 21	17 57 18	29°50'20	26°14	22°36	19°48	28°54	28° 5	22°58	2°16	5°58	9°25	15°11	16°16	6°56	21°21	F 21
S 22	18 1 14	0♂47'38	8♂ 7	24° 3	20°57	29°37	28° 0	22°54	2°16	5°57	9°26	15° 3	16°13	7° 2	21°26	S 22
S 23	18 5 11	1°44'55	20° 4	25°27	22° 6	0II20	27°54	22°50	2°17	5°56	9°27	14°58	16°10	7° 9	21°31	S 23
M24	18 9 7	2°42'11	2♂ 8	26°49	23°15	1° 3	27°49	22°46	2°18	5°54	9°29	14°56	16° 7	7°16	21°37	M24
T 25	18 13 4	3°39'27	14°25	28° 7	24°24	1°46	27°44	22°42	2°19	5°53	9°30	14°D55	16° 3	7°22	21°42	T 25
W26	18 17 0	4°36'42	26°58	29°23	25°33	2°29	27°39	22°38	2°20	5°51	9°31	14°55	16° 0	7°29	21°47	W26
T 27	18 20 57	5°33'57	9♂52	0♂37	26°42	3°12	27°35	22°34	2°20	5°50	9°32	14°R55	15°57	7°36	21°52	T 27
F 28	18 24 53	6°31'10	23°11	1°47	27°51	3°55	27°30	22°30	2°21	5°49	9°34	14°54	15°54	7°43	21°57	F 28
S 29	18 28 50	7°28'24	6♂59	2°54	29° 0	4°37	27°26	22°25	2°22	5°47	9°35	14°51	15°51	7°49	22° 2	S 29
S 30	18 32 47	8♂25'36	21♂15	3♂59	0II 9	5II20	27♂21	22♂21	2♂24	5♂46	9II36	14♂46	15♂47	7♂56	22II 7	S 30

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	
S 1	22n 2	13s57 3s17	23n40 1n 4	8n28 2s10	15n39 0s29	19s12 1n 1	21s 4 0n13	0s12 0n44	19s44 1n40	10n14 11s41	4s52 5s 0	28n15 18n 6	4s56		
S 2	22 10	19 34 4 7	24 2 1 13	8 51 2 11	15 53 0 29	19 11 1 1	21 5 0 13	0 12 0 44	19 44 1 40	10 14 11 41	4 54 5 1	28 14 18 7	4 56		
M 3	22 18	24 11 4 43	24 21 1 21	9 13 2 13	16 6 0 28	19 10 1 1	21 5 0 13	0 12 0 44	19 43 1 40	10 14 11 41	4 58 5 3	28 14 18 7	4 56		
T 4	22 25	27 15 4 59	24 38 1 28	9 35 2 14	16 20 0 27	19 8 1 1	21 6 0 13	0 12 0 44	19 43 1 40	10 14 11 41	5 2 5 4	28 13 18 7	4 56		
W 5	22 32	28 19 4 55	24 52 1 35	9 57 2 15	16 33 0 27	19 7 1 1	21 6 0 13	0 12 0 44	19 43 1 40	10 15 11 41	5 6 5 5	28 13 18 8	4 56		
T 6	22 38	27 15 4 30	25 3 1 41	10 20 2 15	16 46 0 26	19 5 1 1	21 7 0 13	0 12 0 44	19 43 1 40	10 15 11 41	5 10 5 6	28 12 18 8	4 56		
F 7	22 44	24 13 3 46	25 11 1 46	10 41 2 16	16 58 0 26	19 4 1 1	21 7 0 13	0 12 0 44	19 42 1 40	10 15 11 41	5 13 5 8	28 12 18 8	4 56		
S 8	22 50	19 41 2 49	25 17 1 51	11 3 2 17	17 11 0 25	19 3 1 1	21 8 0 13	0 12 0 44	19 42 1 40	10 15 11 41	5 15 5 9	28 11 18 8	4 56		
S 9	22 55	14 7 1 42	25 20 1 55	11 25 2 17	17 23 0 24	19 1 1 1	21 9 0 13	0 12 0 44	19 42 1 40	10 15 11 41	5 16 5 10	28 11 18 9	4 56		
M10	23 0 8 1	0 31 25 20 1 58	11 47 2 18	17 36 0 24	19 0 1 1	21 9 0 13	0 12 0 44	19 42 1 40	10 16 11 41	5 16 5 11	28 10 18 9	4 56			
T 11	23 4 1 44	0n39 25 18 2 1	12 8 2 18	17 48 0 23	18 59 0 59	21 10 0 13	0 12 0 44	19 41 1 40	10 16 11 41	5 16 5 13	28 9 18 9	4 56			
W12	23 8 4n27	1 46 25 14 2 2	12 29 2 18	18 0 0 22	18 58 0 59	21 10 0 13	0 12 0 44	19 41 1 40	10 16 11 41	5 16 5 14	28 9 18 10	4 56			
T 13	23 12 10 18	2 46 25 8 2 3	12 50 2 18	18 11 0 22	18 56 0 59	21 11 0 12	0 12 0 44	19 41 1 40	10 16 11 41	5 17 5 15	28 8 18 10	4 57			
F 14	23 15 15 38	3 36 24 59 2 3	13 11 2 18	18 23 0 21	18 55 0 59	21 12 0 12	0 12 0 44	19 41 1 40	10 16 11 41	5 19 5 16	28 8 18 10	4 57			
S 15	23 18 20 16	4 16 24 49 2 2	13 32 2 18	18 34 0 20	18 54 0 59	21 12 0 12	0 13 0 44	19 40 1 40	10 16 11 41	5 22 5 18	28 7 18 10	4 57			
S 16	23 20 23 59 4 43	24 37 2 1	13 52 2 18	18 45 0 20	18 53 0 59	21 13 0 12	0 13 0 44	19 40 1 40	10 17 11 41	5 26 5 19	28 6 18 11	4 57			
M17	23 22 26 38 4 57	24 23 1 59	14 12 2 17	18 56 0 19	18 52 0 58	21 14 0 12	0 13 0 44	19 40 1 40	10 17 11 41	5 31 5 20	28 6 18 11	4 57			
T 18	23 23 28 4 4 59	24 8 1 56	14 32 2 17	19 7 0 18	18 50 0 58	21 14 0 12	0 13 0 44	19 40 1 40	10 17 11 41	5 36 5 21	28 5 18 11	4 57			
W19	23 24 28 11 4 47	23 51 1 53	14 52 2 16	19 18 0 18	18 49 0 58	21 15 0 12	0 13 0 44	19 40 1 40	10 17 11 41	5 41 5 22	28 4 18 11	4 57			
T 20	23 25 27 0 4 23	23 33 1 48	15 11 2 16	19 28 0 17	18 48 0 58	21 16 0 12	0 14 0 44	19 39 1 40	10 17 11 41	5 46 5 24	28 4 18 12	4 57			
F 21	23 25 24 37 3 47	23 14 1 43	15 30 2 15	19 38 0 16	18 47 0 58	21 17 0 12	0 14 0 44	19 39 1 40	10 17 11 41	5 50 5 25	28 3 18 12	4 57			
S 22	23 25 21 9 3 2	22 54 1 38	15 49 2 14	19 48 0 16	18 46 0 57	21 17 0 12	0 14 0 44	19 39 1 40	10 17 11 41	5 53 5 26	28 2 18 12	4 58			
S 23	23 25 16 48 2 8	22 32 1 32	16 8 2 13	19 58 0 15	18 45 0 57	21 18 0 12	0 15 0 44	19 39 1 40	10 18 11 41	5 55 5 27	28 2 18 12	4 58			
M24	23 24 11 45 1 7	22 10 1 25	16 26 2 13	20 8 0 14	18 44 0 57	21 19 0 12	0 15 0 43	19 38 1 40	10 18 11 41	5 56 5 29	28 1 18 12	4 58			
T 25	23 22 6 10 0 3	21 47 1 17	16 44 2 11	20 17 0 13	18 43 0 57	21 19 0 12	0 15 0 43	19 38 1 40	10 18 11 41	5 56 5 30	28 0 18 12	4 58			
W26	23 21 0 14 1s 4	21 24 1 9	17 1 2 10	20 26 0 13	18 42 0 56	21 20 0 11	0 16 0 43	19 38 1 40	10 18 11 41	5 56 5 31	28 0 18 13	4 58			
T 27	23 18 5s53	2 9 21 0 1 1	17 19 2 9	20 35 0 12	18 42 0 56	21 21 0 11	0 16 0 43	19 38 1 40	10 18 11 41	5 56 5 32	27 59 18 13	4 58			
F 28	23 16 11 55 3 9	20 35 0 51	17 35 2 8	20 44 0 11	18 41 0 56	21 22 0 11	0 16 0 43	19 38 1 40	10 18 11 41	5 57 5 34	27 58 18 13	4 58			
S 29	23 13 17 37 4 0	20 10 0 41	17 52 2 6	20 53 0 11	18 40 0 56	21 23 0 11	0 17 0 43	19 37 1 40	10 18 11 42	5 58 5 35	27 57 18 13	4 59			
S 30	23n 9	22s32 4s38	19n45 0n31	18n 8 2s 5	21n 1 0s10	18s39 0n56	21s23 0n11	0s17 0n43	19s37 1n40	10n18 11s42	6s 0 5s36	27n57 18n13	4s59		

Julian Day Number = 2501734.5, Delta T = 113.43 sec
Ecliptic obliquity = 23°25'26", Nutation = 0°00'03", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°39'37", Lahiri = 25°46'38"

ASTRODIENST EPHEMERIS for the year 2137
geocentric

JULY 2137

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 36 43	9♂22'49	5♂59	5♂ 0	1♂19	6♂ 3	27°R17	22°R17	2♂25	5°R45	9♂37	14°R38	15♂44	8♂ 3	22♂12	M 1
T 2	18 40 40	10°20'01	21° 4	5°58	2°28	6°45	27♂.13	22♂.13	2°26	5♂43	9°39	14♂29	15°41	8° 9	22°17	T 2
W 3	18 44 36	11°17'13	6♂21	6°53	3°38	7°28	27°10	22° 8	2°27	5°42	9°40	14°20	15°38	8°16	22°22	W 3
T 4	18 48 33	12°14'24	21°39	7°44	4°47	8°10	27° 6	22° 4	2°28	5°41	9°41	14°12	15°35	8°23	22°27	T 4
F 5	18 52 29	13°11'36	6♂48	8°32	5°57	8°53	27° 2	22° 0	2°30	5°40	9°42	14° 6	15°32	8°30	22°32	F 5
S 6	18 56 26	14° 8'47	21°37	9°16	7° 7	9°35	26°59	21°56	2°31	5°39	9°43	14° 1	15°28	8°36	22°37	S 6
S 7	19 0 23	15° 5'59	6♂ 1	9°56	8°17	10°17	26°56	21°51	2°32	5°37	9°44	13°59	15°25	8°43	22°42	S 7
M 8	19 4 19	16° 3'11	19°57	10°33	9°27	10°59	26°53	21°47	2°34	5°36	9°46	13°D59	15°22	8°50	22°47	M 8
T 9	19 8 16	17° 0'23	3♂26	11° 6	10°37	11°41	26°50	21°42	2°35	5°35	9°47	14° 0	15°19	8°56	22°51	T 9
W10	19 12 12	17°57'35	16°29	11°34	11°47	12°23	26°48	21°38	2°37	5°34	9°48	14°R 1	15°16	9° 3	22°56	W10
T 11	19 16 9	18°54'48	29°11	11°58	12°57	13° 5	26°45	21°34	2°39	5°33	9°49	14° 0	15°13	9°10	23° 1	T 11
F 12	19 20 5	19°52'01	11♂35	12°18	14° 7	13°47	26°43	21°29	2°40	5°32	9°50	13°58	15° 9	9°17	23° 6	F 12
S 13	19 24 2	20°49'15	23°47	12°33	15°18	14°29	26°41	21°25	2°42	5°31	9°51	13°53	15° 6	9°23	23°11	S 13
S 14	19 27 58	21°46'29	5♂48	12°44	16°28	15°11	26°39	21°20	2°44	5°30	9°52	13°47	15° 3	9°30	23°15	S 14
M15	19 31 55	22°43'44	17°44	12°50	17°38	15°53	26°37	21°16	2°46	5°29	9°53	13°38	15° 0	9°37	23°20	M15
T 16	19 35 52	23°40'59	29°36	12°R51	18°49	16°34	26°36	21°11	2°47	5°28	9°54	13°29	14°57	9°43	23°25	T 16
W17	19 39 48	24°38'14	11♂27	12°47	19°59	17°16	26°34	21° 7	2°49	5°27	9°55	13°20	14°53	9°50	23°30	W17
T 18	19 43 45	25°35'30	23°19	12°39	21°10	17°58	26°33	21° 3	2°51	5°26	9°56	13°11	14°50	9°57	23°34	T 18
F 19	19 47 41	26°32'46	5♂13	12°26	22°21	18°39	26°32	20°58	2°53	5°25	9°57	13° 4	14°47	10° 4	23°39	F 19
S 20	19 51 38	27°30'02	17°11	12° 8	23°32	19°20	26°31	20°54	2°55	5°24	9°58	12°59	14°44	10°10	23°43	S 20
S 21	19 55 34	28°27'19	29°15	11°46	24°42	20° 2	26°31	20°49	2°57	5°23	9°59	12°56	14°41	10°17	23°48	S 21
M22	19 59 31	29°24'35	11♂28	11°19	25°53	20°43	26°30	20°45	2°59	5°23	10° 0	12°D55	14°38	10°24	23°52	M22
T 23	20 3 27	0♂21'53	23°52	10°49	27° 4	21°24	26°30	20°41	3° 2	5°22	10° 1	12°55	14°34	10°30	23°57	T 23
W24	20 7 24	1°19'10	6♂30	10°15	28°15	22° 5	26°D30	20°36	3° 4	5°21	10° 2	12°57	14°31	10°37	24° 1	W24
T 25	20 11 21	2°16'28	19°26	9°38	29°26	22°46	26°30	20°32	3° 6	5°20	10° 3	12°58	14°28	10°44	24° 6	T 25
F 26	20 15 17	3°13'46	2♂44	8°58	0♂37	23°27	26°30	20°28	3° 8	5°20	10° 4	12°R59	14°25	10°50	24°10	F 26
S 27	20 19 14	4°11'04	16°25	8°17	1°49	24° 8	26°31	20°24	3°11	5°19	10° 5	12°58	14°22	10°57	24°14	S 27
S 28	20 23 10	5° 8'23	0♂31	7°34	3° 0	24°49	26°32	20°19	3°13	5°18	10° 6	12°56	14°19	11° 4	24°19	S 28
M29	20 27 7	6° 5'42	15° 1	6°51	4°11	25°30	26°32	20°15	3°16	5°18	10° 6	12°52	14°15	11°11	24°23	M29
T 30	20 31 3	7° 3'02	29°51	6° 8	5°22	26°11	26°34	20°11	3°18	5°17	10° 7	12°47	14°12	11°17	24°27	T 30
W31	20 35 0	8♂ 0'22	14♂55	5♂26	6♂34	26♂51	26♂35	20♂ 7	3♂21	5♂17	10♂ 8	12♂42	14♂ 9	11♂24	24♂31	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n 6	26s13	5s 0	19n20	0n20	18n24	2s 3	21n 9	0s 9	18s39	0n55	21s24	0n11	0s18	0n43	19s37
T 2	23 1	28 8	5 1	18 55	0 9	18 39	2 2	21 17	0 9	18 38	0 55	21 25	0 11	0 18	0 43	19 37
W 3	22 57	27 57	4 41	18 30	0s 3	18 54	2 0	21 25	0 8	18 37	0 55	21 26	0 11	0 19	0 43	19 37
T 4	22 52	25 39	4 1	18 5	0 15	19 8	1 58	21 32	0 7	18 37	0 55	21 26	0 11	0 19	0 43	19 36
F 5	22 46	21 32	3 5	17 40	0 28	19 22	1 56	21 40	0 6	18 36	0 54	21 27	0 11	0 20	0 43	19 36
S 6	22 40	16 8	1 57	17 16	0 41	19 36	1 55	21 47	0 6	18 36	0 54	21 28	0 11	0 21	0 43	19 36
S 7	22 34	9 57	0 42	16 52	0 55	19 49	1 53	21 54	0 5	18 35	0 54	21 29	0 11	0 21	0 43	19 36
M 8	22 28	3 29	0n32	16 29	1 8	20 2	1 51	22 0	0 4	18 35	0 54	21 29	0 10	0 22	0 43	19 36
T 9	22 21	2n56	1 42	16 6	1 23	20 14	1 49	22 7	0 3	18 34	0 54	21 30	0 10	0 22	0 43	19 36
W10	22 13	9 1	2 45	15 45	1 37	20 26	1 46	22 13	0 3	18 34	0 53	21 31	0 10	0 23	0 43	19 36
T 11	22 5	14 34	3 38	15 24	1 52	20 37	1 44	22 19	0 2	18 33	0 53	21 32	0 10	0 24	0 43	19 35
F 12	21 57	19 24	4 19	15 5	2 6	20 48	1 42	22 25	0 1	18 33	0 53	21 33	0 10	0 24	0 43	19 35
S 13	21 49	23 21	4 48	14 46	2 21	20 58	1 40	22 31	0 0	18 33	0 53	21 33	0 10	0 25	0 43	19 35
S 14	21 40	26 14	5 3	14 29	2 36	21 7	1 37	22 36	0n 0	18 33	0 52	21 34	0 10	0 26	0 43	19 35
M15	21 31	27 55	5 5	14 13	2 50	21 16	1 35	22 42	0 1	18 33	0 52	21 35	0 10	0 27	0 43	19 35
T 16	21 21	28 19	4 54	13 59	3 5	21 25	1 33	22 47	0 2	18 32	0 52	21 36	0 10	0 27	0 43	19 35
W17	21 11	27 25	4 30	13 47	3 19	21 33	1 30	22 51	0 2	18 32	0 52	21 36	0 10	0 28	0 43	19 35
T 18	21 1	25 16	3 55	13 36	3 33	21 40	1 28	22 56	0 3	18 32	0 51	21 37	0 10	0 29	0 42	19 34
F 19	20 50	22 0	3 9	13 27	3 46	21 47	1 25	23 0	0 4	18 32	0 51	21 38	0 10	0 30	0 42	19 34
S 20	20 39	17 48	2 14	13 19	3 59	21 54	1 22	23 4	0 5	18 32	0 51	21 39	0 9	0 31	0 42	19 34
S 21	20 27	12 52	1 13	13 14	4 10	21 59	1 20	23 8	0 5	18 32	0 51	21 39	0 9	0 32	0 42	19 34
M22	20 16	7 23	0 8	13 11	4 21	22 5	1 17	23 12	0 6	18 33	0 50	21 40	0 9	0 32	0 42	19 34
T 23	20 4	1 32	0s59	13 10	4 31	22 9	1 14	23 16	0 7	18 33	0 50	21 41	0 9	0 33	0 42	19 34
W24	19 51	4s29	2 4	13 10	4 39	22 13	1 12	23 19	0 8	18 33	0 50	21 42	0 9	0 34	0 42	19 34
T 25	19 38	10 27	3 5	13 13	4 47	22 17	1 9	23 22	0 9	18 33	0 50	21 42	0 9	0 35	0 42	19 34
F 26	19 25	16 8	3 58	13 18	4 52	22 19	1 6	23 25	0 9	18 34	0 49	21 43	0 9	0 36	0 42	19 34
S 27	19 12	21 10	4 38	13 25	4 56	22 21	1 3	23 28	0 10	18 34	0 49	21 44	0 9	0 37	0 42	19 34
S 28	18 58	25 11	5 4	13 33	4 59	22 23	1 0	23 30	0 11	18 34	0 49	21 45	0 9	0 38	0 42	19 34
M29	18 44	27 44	5 11	13 43	4 59	22 24	0 58	23 32	0 12	18 35	0 49	21 45	0 9	0 39	0 42	19 34
T 30	18 30	28 23	4 57	13 55	4 58	22 24	0 55	23 34	0 12	18 35	0 49	21 46	0 9	0 40	0 42	19 34
W31	18n15	26s57	4s23	14n 8	4s55	22n24	0s52	23n36	0n13	18s36	0n48	21s47	0n 8	0s41	0n42	19s34

Julian Day Number = 2501764.5, Delta T = 113.49 sec
Ecliptic obliquity = 23°25'25", Nutation = 0°00'04", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°39'41", Lahiri = 25°46'42"

ASTRODIENST EPHEMERIS for the year 2137
geocentric

AUGUST 2137

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 38 56	8♌5742	0♈3	4°R46	7♊45	27♈32	26♈36	20°R 3	3♊23	5°R16	10♈9	12°R38	14♈6	11♊31	24♈35	T 1
F 2	20 42 53	9°55'04	15° 7	4♌8	8°57	28°13	26°38	19♊59	3°26	5♊16	10°10	12♈34	14° 3	11°37	24°40	F 2
S 3	20 46 50	10°52'26	29°55	3°34	10° 8	28°53	26°39	19°55	3°28	5°15	10°10	12°32	13°59	11°44	24°44	S 3
S 4	20 50 46	11°49'49	14♈23	3° 4	11°20	29°33	26°41	19°51	3°31	5°15	10°11	12°D32	13°56	11°51	24°48	S 4
M 5	20 54 43	12°47'13	28°25	2°38	12°32	0♊14	26°43	19°47	3°34	5°15	10°12	12°33	13°53	11°58	24°52	M 5
T 6	20 58 39	13°44'38	12♈0	2°18	13°44	0°54	26°46	19°43	3°36	5°14	10°13	12°34	13°50	12° 4	24°55	T 6
W 7	21 2 36	14°42'05	25° 9	2° 3	14°55	1°34	26°48	19°39	3°39	5°14	10°13	12°36	13°47	12°11	24°59	W 7
T 8	21 6 32	15°39'32	7♊55	1°54	16° 7	2°14	26°51	19°36	3°42	5°14	10°14	12°37	13°44	12°18	25° 3	T 8
F 9	21 10 29	16°37'01	20°22	1°D52	17°19	2°54	26°54	19°32	3°45	5°13	10°15	12°R37	13°40	12°24	25° 7	F 9
S 10	21 14 25	17°34'31	2♈33	1°56	18°31	3°34	26°56	19°28	3°48	5°13	10°15	12°36	13°37	12°31	25°11	S 10
S 11	21 18 22	18°32'03	14°34	2° 6	19°43	4°14	27° 0	19°25	3°50	5°13	10°16	12°34	13°34	12°38	25°14	S 11
M12	21 22 19	19°29'36	26°27	2°24	20°56	4°54	27° 3	19°21	3°53	5°13	10°16	12°31	13°31	12°45	25°18	M12
T 13	21 26 15	20°27'10	8♊19	2°48	22° 8	5°34	27° 6	19°18	3°56	5°13	10°17	12°28	13°28	12°51	25°22	T 13
W14	21 30 12	21°24'45	20°10	3°20	23°20	6°14	27°10	19°14	3°59	5°12	10°18	12°24	13°25	12°58	25°25	W14
T 15	21 34 8	22°22'22	2♊5	3°58	24°32	6°53	27°14	19°11	4° 2	5°12	10°18	12°21	13°21	13° 5	25°29	T 15
F 16	21 38 5	23°20'00	14° 5	4°43	25°45	7°33	27°18	19° 8	4° 6	5°12	10°19	12°18	13°18	13°11	25°32	F 16
S 17	21 42 1	24°17'39	26°12	5°34	26°57	8°12	27°22	19° 4	4° 9	5°D12	10°19	12°17	13°15	13°18	25°35	S 17
S 18	21 45 58	25°15'20	8♈29	6°33	28°10	8°52	27°26	19° 1	4°12	5°12	10°20	12°D16	13°12	13°25	25°39	S 18
M19	21 49 54	26°13'01	20°56	7°37	29°22	9°31	27°31	18°58	4°15	5°12	10°20	12°16	13° 9	13°31	25°42	M19
T 20	21 53 51	27°10'44	3♊35	8°48	0♊35	10°10	27°35	18°55	4°18	5°12	10°21	12°17	13° 5	13°38	25°45	T 20
W21	21 57 48	28° 8'28	16°27	10° 5	1°47	10°50	27°40	18°52	4°21	5°13	10°21	12°18	13° 2	13°45	25°48	W21
T 22	22 1 44	29° 6'13	29°35	11°27	3° 0	11°29	27°45	18°49	4°25	5°13	10°21	12°19	12°59	13°52	25°51	T 22
F 23	22 5 41	0♈3'59	12♈59	12°54	4°13	12° 8	27°50	18°47	4°28	5°13	10°22	12°20	12°56	13°58	25°54	F 23
S 24	22 9 37	1° 1'46	26°40	14°26	5°26	12°47	27°56	18°44	4°31	5°13	10°22	12°R20	12°53	14° 5	25°57	S 24
S 25	22 13 34	1°59'34	10♈39	16° 3	6°38	13°26	28° 1	18°41	4°34	5°13	10°22	12°20	12°50	14°12	26° 0	S 25
M26	22 17 30	2°57'24	24°56	17°43	7°51	14° 5	28° 7	18°39	4°38	5°14	10°23	12°20	12°46	14°18	26° 3	M26
T 27	22 21 27	3°55'15	9♊26	19°27	9° 4	14°43	28°12	18°36	4°41	5°14	10°23	12°19	12°43	14°25	26° 6	T 27
W28	22 25 23	4°53'07	24° 7	21°14	10°17	15°22	28°18	18°34	4°45	5°14	10°23	12°18	12°40	14°32	26° 9	W28
T 29	22 29 20	5°51'00	8♊53	23° 4	11°30	16° 1	28°24	18°32	4°48	5°15	10°24	12°17	12°37	14°38	26°11	T 29
F 30	22 33 17	6°48'54	23°36	24°56	12°43	16°39	28°30	18°30	4°51	5°15	10°24	12°17	12°34	14°45	26°14	F 30
S 31	22 37 13	7♈46'50	8♈11	26♊50	13♊56	17♊17	28♈37	18♊27	4♊55	5♊16	10♈24	12°D17	12♈30	14♊52	26♈17	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	18n 0	23s34	3s31	14n22	4s50	22n23	0s49	23n38	0n14	18s36	0n48	21s47	0n 8	0s42
F 2	17 45	18 35	2 24	14 36	4 44	22 21	0 46	23 39	0 15	18 37	0 48	21 48	0 8	0 43
S 3	17 30	12 34	1 8	14 52	4 36	22 19	0 43	23 41	0 15	18 37	0 48	21 49	0 8	0 44
S 4	17 14	5 59	0n10	15 8	4 26	22 16	0 40	23 42	0 16	18 38	0 47	21 49	0 8	0 45
M 5	16 58	0n41	1 26	15 25	4 15	22 13	0 37	23 42	0 17	18 39	0 47	21 50	0 8	0 46
T 6	16 41	7 7	2 34	15 41	4 3	22 9	0 34	23 43	0 18	18 40	0 47	21 51	0 8	0 48
W 7	16 25	13 1	3 33	15 57	3 50	22 4	0 31	23 43	0 19	18 40	0 47	21 51	0 8	0 49
T 8	16 8	18 13	4 18	16 13	3 36	21 59	0 28	23 44	0 19	18 41	0 46	21 52	0 8	0 50
F 9	15 51	22 29	4 51	16 28	3 21	21 53	0 25	23 44	0 20	18 42	0 46	21 53	0 8	0 51
S 10	15 35	25 42	5 9	16 43	3 5	21 46	0 22	23 44	0 21	18 43	0 46	21 53	0 8	0 52
S 11	15 16	27 43	5 14	16 56	2 49	21 39	0 19	23 43	0 22	18 44	0 46	21 54	0 7	0 53
M12	14 58	28 27	5 5	17 8	2 32	21 31	0 17	23 43	0 23	18 45	0 45	21 54	0 7	0 55
T 13	14 40	27 52	4 43	17 19	2 15	21 23	0 14	23 42	0 23	18 46	0 45	21 55	0 7	0 56
W14	14 21	26 0	4 9	17 29	1 59	21 14	0 11	23 41	0 24	18 47	0 45	21 56	0 7	0 57
T 15	14 3	22 59	3 24	17 36	1 42	21 4	0 8	23 40	0 25	18 48	0 45	21 56	0 7	0 58
F 16	13 44	18 58	2 29	17 42	1 25	20 54	0 5	23 38	0 26	18 49	0 45	21 57	0 7	0 59
S 17	13 25	14 9	1 27	17 45	1 9	20 43	0 2	23 37	0 27	18 50	0 44	21 57	0 7	1 1
S 18	13 6	8 42	0 21	17 47	0 52	20 32	0n 1	23 35	0 27	18 52	0 44	21 58	0 7	1 2
M19	12 46	2 52	0s48	17 46	0 37	20 20	0 4	23 33	0 28	18 53	0 44	21 58	0 7	1 3
T 20	12 27	3s11	1 55	17 42	0 22	20 7	0 6	23 31	0 29	18 54	0 44	21 59	0 7	1 4
W21	12 7	9 12	2 58	17 36	0 7	19 54	0 9	23 29	0 30	18 55	0 43	21 59	0 6	1 6
T 22	11 47	14 57	3 53	17 26	0n 7	19 40	0 12	23 26	0 31	18 57	0 43	22 0	0 6	1 7
F 23	11 26	20 6	4 36	17 15	0 20	19 26	0 15	23 24	0 31	18 58	0 43	22 0	0 6	1 8
S 24	11 6	24 20	5 5	17 0	0 32	19 11	0 17	23 21	0 32	18 59	0 43	22 1	0 6	1 10
S 25	10 46	27 15	5 16	16 42	0 43	18 55	0 20	23 18	0 33	19 1	0 43	22 1	0 6	1 11
M26	10 25	28 28	5 9	16 22	0 54	18 40	0 23	23 15	0 34	19 2	0 42	22 2	0 6	1 12
T 27	10 4	27 47	4 42	15 58	1 3	18 23	0 25	23 11	0 35	19 4	0 42	22 2	0 6	1 14
W28	9 43	25 9	3 56	15 33	1 12	18 6	0 28	23 8	0 36	19 5	0 42	22 2	0 6	1 15
T 29	9 22	20 50	2 55	15 4	1 19	17 48	0 30	23 4	0 36	19 7	0 42	22 3	0 6	1 17
F 30	9 0	15 15	1 42	14 33	1 26	17 30	0 33	23 0	0 37	19 8	0 42	22 3	0 6	1 18
S 31	8n39	8s51	0s23	14n 0	1n31	17n12	0n35	22n56	0n38	19s10	0n41	22s 4	0n 6	1s19

Julian Day Number = 2501795.5, Delta T = 113.54 sec
Ecliptic obliquity = 23°25'26", Nutation = 0°00'06", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°39'46", Lahiri = 25°46'46"

ASTRODIENST EPHEMERIS for the year 2137

geocentric

SEPTEMBER 2137

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 41 10	8♈44'48	22♋29	28♊46	15♏10	17♊56	28♊43	18°R25	4♎58	5♈16	10♈24	12♈17	12♈27	14♊59	26♊19	S 1
M 2	22 45 6	9°42'47	6♈28	0♈42	16°23	18°34	28°50	18♊23	5° 2	5°17	10°24	12°17	12°24	15° 5	26°21	M 2
T 3	22 49 3	10°40'47	20° 4	2°39	17°36	19°12	28°57	18°22	5° 5	5°17	10°25	12°17	12°21	15°12	26°24	T 3
W 4	22 52 59	11°38'50	3♈16	4°36	18°49	19°50	29° 4	18°20	5° 9	5°18	10°25	12°17	12°18	15°19	26°26	W 4
T 5	22 56 56	12°36'55	16° 6	6°34	20° 3	20°28	29°11	18°18	5°12	5°18	10°25	12°R17	12°15	15°25	26°28	T 5
F 6	23 0 52	13°35'01	28°36	8°31	21°16	21° 6	29°18	18°17	5°16	5°19	10°25	12°17	12°11	15°32	26°30	F 6
S 7	23 4 49	14°33'10	10♈49	10°28	22°30	21°44	29°25	18°15	5°20	5°20	10°25	12°D17	12° 8	15°39	26°33	S 7
S 8	23 8 46	15°31'20	22°51	12°24	23°43	22°22	29°32	18°14	5°23	5°20	10°25	12°17	12° 5	15°45	26°35	S 8
M 9	23 12 42	16°29'33	4♈45	14°20	24°57	23° 0	29°40	18°12	5°27	5°21	10°25	12°17	12° 2	15°52	26°37	M 9
T 10	23 16 39	17°27'47	16°36	16°15	26°10	23°37	29°48	18°11	5°30	5°22	10°R25	12°18	11°59	15°59	26°38	T 10
W11	23 20 35	18°26'04	28°29	18°10	27°24	24°15	29°56	18°10	5°34	5°23	10°25	12°18	11°56	16° 6	26°40	W11
T 12	23 24 32	19°24'22	10♊27	20° 3	28°38	24°53	0♈ 4	18° 9	5°38	5°23	10°25	12°19	11°52	16°12	26°42	T 12
F 13	23 28 28	20°22'42	22°34	21°55	29°52	25°30	0°12	18° 8	5°41	5°24	10°25	12°20	11°49	16°19	26°44	F 13
S 14	23 32 25	21°21'04	4♈52	23°47	1♈ 5	26° 7	0°20	18° 7	5°45	5°25	10°25	12°20	11°46	16°26	26°45	S 14
S 15	23 36 21	22°19'28	17°24	25°37	2°19	26°44	0°28	18° 6	5°49	5°26	10°25	12°R20	11°43	16°32	26°47	S 15
M16	23 40 18	23°17'54	0♈ 9	27°26	3°33	27°22	0°37	18° 6	5°53	5°27	10°25	12°20	11°40	16°39	26°48	M16
T 17	23 44 15	24°16'22	13°10	29°14	4°47	27°59	0°45	18° 5	5°56	5°28	10°24	12°19	11°36	16°46	26°50	T 17
W18	23 48 11	25°14'52	26°25	1♈ 2	6° 1	28°36	0°54	18° 5	6° 0	5°29	10°24	12°17	11°33	16°52	26°51	W18
T 19	23 52 8	26°13'23	9♈53	2°48	7°15	29°12	1° 3	18° 4	6° 4	5°30	10°24	12°15	11°30	16°59	26°52	T 19
F 20	23 56 4	27°11'56	23°34	4°33	8°29	29°49	1°12	18° 4	6° 8	5°31	10°24	12°13	11°27	17° 6	26°53	F 20
S 21	0 0 1	28°10'31	7♈26	6°16	9°43	0♊26	1°21	18° 4	6°11	5°32	10°24	12°12	11°24	17°13	26°54	S 21
S 22	0 3 57	29° 9'07	21°28	7°59	10°57	1° 2	1°30	18°D 4	6°15	5°33	10°23	12°11	11°21	17°19	26°55	S 22
M23	0 7 54	0♈ 7'45	5♈37	9°41	12°11	1°39	1°39	18° 4	6°19	5°34	10°23	12°D11	11°17	17°26	26°56	M23
T 24	0 11 50	1° 6'25	19°52	11°22	13°26	2°15	1°49	18° 4	6°23	5°36	10°23	12°12	11°14	17°33	26°57	T 24
W25	0 15 47	2° 5'06	4♈11	13° 2	14°40	2°51	1°58	18° 4	6°26	5°37	10°22	12°13	11°11	17°39	26°58	W25
T 26	0 19 44	3° 3'49	18°30	14°41	15°54	3°28	2° 8	18° 5	6°30	5°38	10°22	12°14	11° 8	17°46	26°59	T 26
F 27	0 23 40	4° 2'33	2♈46	16°19	17° 8	4° 4	2°17	18° 5	6°34	5°39	10°22	12°15	11° 5	17°53	26°59	F 27
S 28	0 27 37	5° 1'20	16°55	17°56	18°23	4°40	2°27	18° 6	6°38	5°41	10°21	12°R15	11° 2	17°59	27° 0	S 28
S 29	0 31 33	6° 0'08	0♈53	19°32	19°37	5°16	2°37	18° 6	6°42	5°42	10°21	12°14	10°58	18° 6	27° 0	S 29
M30	0 35 30	6♈58'58	14♈37	21♈ 7	20♈52	5♊51	2♈47	18♊ 7	6♈45	5♈43	10♈21	12♈12	10♈55	18♊13	27♈ 1	M30

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	8n17	2s 7	0n56	13n24	1n36	16n53	0n38	22n52	0n39	19s12	0n41	22s 4	0n 5	1s21	0n41	19s35	1n36	10n15	11s52	6s57	6s53	26n54	18n 3	5s20	
M 2	7 55	4n34	2 10	12 47	1 40	16 33	0 40	22 48	0 40	19 13	0 41	22 4	0 5	1 22	0 41	19 35	1 36	10 14	11 52	6 57	6 54	26 53	18 2	5 20	
T 3	7 33	10 50	3 15	12 8	1 43	16 13	0 42	22 43	0 41	19 15	0 41	22 5	0 5	1 23	0 41	19 35	1 36	10 14	11 52	6 57	6 55	26 51	18 2	5 21	
W 4	7 11	16 27	4 7	11 27	1 45	15 53	0 45	22 38	0 41	19 17	0 41	22 5	0 5	1 25	0 41	19 36	1 36	10 14	11 53	6 57	6 57	26 50	18 2	5 21	
T 5	6 49	21 11	4 45	10 45	1 46	15 32	0 47	22 34	0 42	19 18	0 40	22 5	0 5	1 26	0 41	19 36	1 36	10 14	11 53	6 57	6 58	26 49	18 1	5 22	
F 6	6 27	24 50	5 8	10 1	1 47	15 11	0 49	22 29	0 43	19 20	0 40	22 6	0 5	1 28	0 41	19 36	1 36	10 14	11 53	6 57	6 59	26 48	18 1	5 22	
S 7	6 5	27 17	5 17	9 17	1 47	14 49	0 51	22 24	0 44	19 22	0 40	22 6	0 5	1 29	0 41	19 36	1 36	10 13	11 53	6 57	7 0	26 46	18 0	5 23	
S 8	5 42	28 25	5 12	8 32	1 46	14 27	0 53	22 18	0 45	19 24	0 40	22 6	0 5	1 31	0 41	19 36	1 36	10 13	11 54	6 57	7 1	26 45	18 0	5 23	
M 9	5 20	28 13	4 53	7 46	1 44	14 4	0 55	22 13	0 46	19 25	0 40	22 7	0 5	1 32	0 41	19 37	1 36	10 13	11 54	6 57	7 3	26 44	17 59	5 24	
T 10	4 57	26 44	4 22	6 59	1 42	13 41	0 57	22 7	0 47	19 27	0 39	22 7	0 5	1 34	0 41	19 37	1 36	10 13	11 54	6 57	7 4	26 42	17 59	5 24	
W11	4 34	24 2	3 40	6 13	1 40	13 18	0 59	22 2	0 47	19 29	0 39	22 7	0 5	1 35	0 41	19 37	1 36	10 12	11 54	6 56	7 5	26 41	17 59	5 24	
T 12	4 11	20 18	2 48	5 25	1 37	12 54	1 1	21 56	0 48	19 31	0 39	22 7	0 4	1 36	0 41	19 37	1 36	10 12	11 54	6 56	7 6	26 40	17 58	5 25	
F 13	3 49	15 41	1 47	4 38	1 33	12 30	1 3	21 50	0 49	19 33	0 39	22 7	0 4	1 38	0 41	19 37	1 36	10 12	11 55	6 56	7 7	26 38	17 58	5 25	
S 14	3 26	10 22	0 41	3 50	1 29	12 5	1 5	21 44	0 50	19 35	0 39	22 8	0 4	1 39	0 41	19 38	1 36	10 12	11 55	6 56	7 9	26 37	17 57	5 26	
S 15	3 3	4 33	0s28	3 2	1 25	11 41	1 7	21 38	0 51	19 37	0 38	22 8	0 4	1 41	0 41	19 38	1 35	10 12	11 55	6 56	7 10	26 36	17 57	5 26	
M16	2 40	1s33	1 37	2 15	1 20	11 15	1 8	21 31	0 52	19 39	0 38	22 8	0 4	1 42	0 41	19 38	1 35	10 11	11 55	6 56	7 11	26 34	17 56	5 27	
T 17	2 16	7 41	2 42	1 27	1 15	10 50	1 10	21 25	0 53	19 41	0 38	22 8	0 4	1 44	0 41	19 38	1 35	10 11	11 55	6 56	7 12	26 33	17 56	5 27	
W18	1 53	13 36	3 40	0 39	1 10	10 24	1 11	21 18	0 53	19 43	0 38	22 8	0 4	1 45	0 41	19 38	1 35	10 11	11 56	6 57	7 14	26 32	17 55	5 28	
T 19	1 30	18 59	4 27	0s 8	1 4	9 58	1 13	21 11	0 54	19 44	0 38	22 8	0 4	1 47	0 41	19 39	1 35	10 11	11 56	6 58	7 15	26 30	17 55	5 29	
F 20	1 7	23 29	4 59	0 55	0 58	9 32	1 14	21 5	0 55	19 46	0 37	22 9	0 4	1 48	0 41	19 39	1 35	10 10	11 56	6 58	7 16	26 29	17 54	5 29	
S 21	0 44	26 42	5 14	1 41	0 52	9 5	1 16	20 58	0 56	19 48	0 37	22 9	0 4	1 50	0 41	19 39	1 35	10 10	11 56	6 59	7 17	26 28	17 54	5 30	
S 22	0 20	28 20	5 11	2 28	0 46	8 38	1 17	20 50	0 57	19 51	0 37	22 9	0 4	1 51	0 41	19 39	1 35	10 10	11 57	6 59	7 18	26 26	17 53	5 30	
M23	0s 3	28 8	4 50	3 14	0 39	8 11	1 18	20 43	0 58	19 53	0 37	22 9	0 4	1 53	0 41	19 40	1 35	10 10	11 57	6 59	7 20	26 25	17 53	5 31	
T 24	0 26	26 5	4 10	3 59	0 33	7 44	1 19	20 36	0 59	19 55	0 37	22 9	0 3	1 54	0 41	19 40	1 35	10 9	11 57	6 59	7 21	26 23	17 52	5 31	
W25	0 50	22 21	3 15	4 45	0 26	7 16	1 20	20 29	1 0	19 57	0 37	22 9	0 3	1 56	0 41	19 40	1 35	10 9	11 57	6 58	7 22	26 22	17 52	5 32	
T 26	1 13	17 17	2 7	5 29	0 19	6 48	1 21	20 21	1 1	19 59	0 36	22 9	0 3	1 57	0 41	19 40	1 35	10 9	11 57	6 58	7 23	26 20	17 51	5 32	
F 27	1 36	11 18	0 52	6 13	0 12	6 20	1 22	20 13	1 2	20 1	0 36	22 9	0 3	1 59	0 41	19 41	1 35	10 9	11 58	6 58	7 24	26 19	17 51	5 33	
S 28	2 0	4 46	0n26	6 57	0 5	5 52	1 23	20 6	1 2	20 3	0 36	22 9	0 3	2 0	0 41	19 41	1 35	10 9	11 58	6 57	7 26	26 18	17 50	5 33	
S 29	2 23	1n54	1 41	7 40	0s 2	5 24	1 24	19 58	1 3	20 5	0 36	22 9	0 3	2 2	0 41	19 41	1 35	10 8	11 58	6 58	7 27	26 16	17 50	5 34	
M30	2s46	8n21	2n48	8s22	0s 9	4n55	1n25	19n50	1n 4	20s 7	0n36	22s 9	0n 3	2s 3	0n41	19s42	1n35	10n 8	11s58	6s59	7s28	26n15	17n49	5s34	

ASTRODIENST EPHEMERIS for the year 2137
geocentric

OCTOBER 2137

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 26	7♂57°50	28♀ 4	22♂41	22♂ 6	6♂27	2♂57	18♂ 8	6♂49	5♂45	10°R20	12°R 9	10♂52	18♂19	27♂ 1	T 1
W 2	0 43 23	8°56'45	11♂12	24°14	23°21	7° 3	3° 7	18° 9	6°53	5°46	10♂20	12♂ 5	10°49	18°26	27° 1	W 2
T 3	0 47 19	9°55'41	24° 0	25°47	24°35	7°38	3°18	18°10	6°57	5°48	10°19	12° 0	10°46	18°33	27° 1	T 3
F 4	0 51 16	10°54'40	6♂30	27°19	25°50	8°14	3°28	18°11	7° 0	5°49	10°19	11°56	10°42	18°40	27° 2	F 4
S 5	0 55 13	11°53'41	18°45	28°49	27° 4	8°49	3°39	18°12	7° 4	5°51	10°18	11°53	10°39	18°46	27°R 2	S 5
S 6	0 59 9	12°52'45	0♂47	0♂19	28°19	9°24	3°49	18°13	7° 8	5°52	10°18	11°51	10°36	18°53	27° 1	S 6
M 7	1 3 6	13°51'50	12°41	1°48	29°33	9°59	4° 0	18°15	7°12	5°54	10°17	11°D50	10°33	19° 0	27° 1	M 7
T 8	1 7 2	14°50'58	24°32	3°16	0♂48	10°34	4°11	18°16	7°16	5°55	10°17	11°50	10°30	19° 6	27° 1	T 8
W 9	1 10 59	15°50'09	6♂25	4°44	2° 3	11° 9	4°22	18°18	7°19	5°57	10°16	11°52	10°27	19°13	27° 1	W 9
T 10	1 14 55	16°49'21	18°24	6°10	3°18	11°44	4°32	18°20	7°23	5°58	10°15	11°53	10°23	19°20	27° 0	T 10
F 11	1 18 52	17°48'36	0♂35	7°36	4°32	12°18	4°44	18°21	7°27	6° 0	10°15	11°55	10°20	19°26	27° 0	F 11
S 12	1 22 48	18°47'53	13° 1	9° 0	5°47	12°53	4°55	18°23	7°31	6° 2	10°14	11°R55	10°17	19°33	27° 0	S 12
S 13	1 26 45	19°47'12	25°45	10°24	7° 2	13°27	5° 6	18°25	7°34	6° 3	10°14	11°54	10°14	19°40	26°59	S 13
M14	1 30 41	20°46'33	8♂49	11°47	8°17	14° 1	5°17	18°27	7°38	6° 5	10°13	11°52	10°11	19°47	26°58	M14
T 15	1 34 38	21°45'56	22°12	13° 9	9°32	14°36	5°28	18°29	7°42	6° 7	10°12	11°47	10° 7	19°53	26°57	T 15
W16	1 38 35	22°45'22	5♂53	14°29	10°47	15°10	5°40	18°32	7°45	6° 8	10°11	11°41	10° 4	20° 0	26°57	W16
T 17	1 42 31	23°44'49	19°50	15°49	12° 1	15°43	5°51	18°34	7°49	6°10	10°11	11°34	10° 1	20° 7	26°56	T 17
F 18	1 46 28	24°44'19	3♂57	17° 7	13°16	16°17	6° 3	18°37	7°53	6°12	10°10	11°27	9°58	20°13	26°55	F 18
S 19	1 50 24	25°43'50	18°10	18°24	14°31	16°51	6°15	18°39	7°56	6°14	10° 9	11°21	9°55	20°20	26°54	S 19
S 20	1 54 21	26°43'23	2♂26	19°40	15°46	17°24	6°26	18°42	8° 0	6°16	10° 8	11°17	9°52	20°27	26°53	S 20
M21	1 58 17	27°42'58	16°40	20°54	17° 1	17°58	6°38	18°45	8° 4	6°17	10° 8	11°14	9°48	20°33	26°51	M21
T 22	2 2 14	28°42'34	0♂50	22° 7	18°16	18°31	6°50	18°47	8° 7	6°19	10° 7	11°D14	9°45	20°40	26°50	T 22
W23	2 6 11	29°42'13	14°54	23°18	19°31	19° 4	7° 2	18°50	8°11	6°21	10° 6	11°15	9°42	20°47	26°49	W23
T 24	2 10 7	0♂41'52	28°52	24°28	20°46	19°37	7°14	18°53	8°15	6°23	10° 5	11°16	9°39	20°53	26°47	T 24
F 25	2 14 4	1°41'34	12♂42	25°35	22° 1	20°10	7°26	18°56	8°18	6°25	10° 4	11°R16	9°36	21° 0	26°46	F 25
S 26	2 18 0	2°41'17	26°24	26°40	23°17	20°42	7°38	19° 0	8°22	6°27	10° 4	11°15	9°33	21° 7	26°44	S 26
S 27	2 21 57	3°41'02	9♀57	27°42	24°32	21°15	7°50	19° 3	8°25	6°29	10° 3	11°12	9°29	21°13	26°43	S 27
M28	2 25 53	4°40'48	23°18	28°42	25°47	21°47	8° 2	19° 6	8°29	6°31	10° 2	11° 6	9°26	21°20	26°41	M28
T 29	2 29 50	5°40'37	6♂27	29°39	27° 2	22°20	8°15	19°10	8°32	6°33	10° 1	10°58	9°23	21°27	26°39	T 29
W30	2 33 46	6°40'28	19°22	0♂33	28°17	22°52	8°27	19°13	8°36	6°35	10° 0	10°48	9°20	21°34	26°37	W30
T 31	2 37 43	7♂40'21	2♂ 2	1♂23	29♂32	23♂24	8♂39	19♂17	8♂39	6♂37	9♂59	10♂37	9♂17	21♂40	26♂35	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s 9	14n17	3n45	9s 4	0s16	4n26	1n25	19n42	1n 5	20s 9	0n36	22s 9	0n 3	2s 5	0n41	19s42
W 2	3 33	19 26	4 29	9 46	0 24	3 58	1 26	19 34	1 6	20 11	0 35	22 9	0 3	2 6	0 41	19 42
T 3	3 56	23 34	4 58	10 26	0 31	3 29	1 27	19 26	1 7	20 13	0 35	22 9	0 3	2 8	0 41	19 42
F 4	4 19	26 29	5 11	11 6	0 38	2 59	1 27	19 17	1 8	20 16	0 35	22 9	0 3	2 9	0 41	19 43
S 5	4 42	28 6	5 11	11 45	0 45	2 30	1 27	19 9	1 9	20 18	0 35	22 9	0 2	2 11	0 41	19 43
S 6	5 5	28 21	4 56	12 24	0 53	2 1	1 28	19 1	1 10	20 20	0 35	22 9	0 2	2 12	0 41	19 43
M 7	5 28	27 17	4 29	13 2	1 0	1 31	1 28	18 52	1 11	20 22	0 35	22 9	0 2	2 14	0 41	19 44
T 8	5 51	24 59	3 50	13 39	1 7	1 2	1 28	18 44	1 12	20 24	0 34	22 8	0 2	2 15	0 41	19 44
W 9	6 14	21 35	3 2	14 15	1 14	0 32	1 28	18 35	1 13	20 26	0 34	22 8	0 2	2 17	0 41	19 44
T 10	6 36	17 17	2 5	14 51	1 21	0 3	1 29	18 26	1 14	20 28	0 34	22 8	0 2	2 18	0 41	19 45
F 11	6 59	12 13	1 1	15 25	1 28	0s27	1 29	18 17	1 15	20 31	0 34	22 8	0 2	2 20	0 41	19 45
S 12	7 22	6 35	0s 6	15 59	1 35	0 57	1 28	18 9	1 16	20 33	0 34	22 8	0 2	2 21	0 41	19 45
S 13	7 44	0 33	1 15	16 32	1 41	1 26	1 28	18 0	1 17	20 35	0 34	22 8	0 2	2 23	0 41	19 46
M14	8 6	5s39	2 21	17 4	1 48	1 56	1 28	17 51	1 18	20 37	0 34	22 7	0 2	2 24	0 41	19 46
T 15	8 29	11 45	3 21	17 35	1 54	2 26	1 28	17 42	1 18	20 39	0 33	22 7	0 2	2 26	0 41	19 46
W16	8 51	12 25	4 11	18 6	2 0	2 55	1 28	17 33	1 19	20 41	0 33	22 7	0 2	2 27	0 41	19 47
T 17	9 13	22 17	4 47	18 35	2 7	3 25	1 27	17 24	1 20	20 43	0 33	22 7	0 1	2 28	0 41	19 47
F 18	9 35	25 56	5 6	19 3	2 12	3 54	1 27	17 14	1 21	20 46	0 33	22 7	0 1	2 30	0 41	19 47
S 19	9 56	27 59	5 6	19 30	2 18	4 24	1 26	17 5	1 22	20 48	0 33	22 6	0 1	2 31	0 41	19 48
S 20	10 18	28 12	4 48	19 56	2 23	4 53	1 26	16 56	1 23	20 50	0 33	22 6	0 1	2 33	0 41	19 48
M21	10 39	26 33	4 12	20 21	2 28	5 22	1 25	16 47	1 24	20 52	0 33	22 6	0 1	2 34	0 41	19 48
T 22	11 1	23 13	3 20	20 45	2 33	5 52	1 24	16 37	1 25	20 54	0 32	22 5	0 1	2 36	0 41	19 49
W23	11 22	18 32	2 17	21 8	2 38	6 21	1 23	16 28	1 27	20 56	0 32	22 5	0 1	2 37	0 41	19 49
T 24	11 43	12 54	1 6	21 29	2 42	6 50	1 23	16 19	1 28	20 58	0 32	22 5	0 1	2 38	0 41	19 49
F 25	12 3	6 40	0n 8	21 49	2 46	7 19	1 22	16 9	1 29	21 1	0 32	22 4	0 1	2 40	0 41	19 50
S 26	12 24	0 12	1 20	22 8	2 49	7 47	1 21	16 0	1 30	21 3	0 32	22 4	0 1	2 41	0 41	19 50
S 27	12 44	6n12	2 28	22 25	2 52	8 16	1 20	15 50	1 31	21 5	0 32	22 4	0 1	2 43	0 41	19 50
M28	13 4	12 14	3 26	22 41	2 54	8 44	1 19	15 41	1 32	21 7	0 32	22 3	0 1	2 44	0 41	19 51
T 29	13 24	17 37	4 12	22 56	2 56	9 12	1 17	15 31	1 33	21 9	0 32	22 3	0 1	2 45	0 41	19 51
W30	13 44	22 6	4 44	23 8	2 57	9 40	1 16	15 22	1 34	21 11	0 31	22 2	0 0	2 47	0 41	19 51
T 31	14s 4	25n28	5n 1	23s19	2s58	10s 8	1n15	15n12	1n35	21s13	0n31	22s 2	0n 0	2s48	0n41	19s52

Julian Day Number = 2501856.5, Delta T = 113.64 sec
Ecliptic obliquity = 23°25'26", Nutation = 0°00'05", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°39'54", Lahiri = 25°46'55"

ASTRODIENST EPHEMERIS for the year 2137
geocentric

NOVEMBER 2137

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 41 39	8♉40°15	14♊27	2♈9	0♉47	23♈55	8♈52	19♈21	8♈43	6♈39	9♈58	10♈27	9♈13	21♈47	26♈33	F 1
S 2	2 45 36	9°40'12	26°39	2°50	2°3	24°27	9°4	19°24	8°46	6°41	9♊57	10♊18	9°10	21°54	26♊31	S 2
S 3	2 49 33	10°40'11	8♊40	3°27	3°18	24°58	9°17	19°28	8°49	6°43	9°56	10°10	9°7	22°0	26°29	S 3
M 4	2 53 29	11°40'12	20°32	3°57	4°33	25°30	9°30	19°32	8°53	6°45	9°55	10°6	9°4	22°7	26°27	M 4
T 5	2 57 26	12°40'15	2♊22	4°22	5°48	26°1	9°42	19°36	8°56	6°47	9°54	10°3	9°1	22°14	26°25	T 5
W 6	3 1 22	13°40'21	14°13	4°40	7°4	26°32	9°55	19°40	8°59	6°49	9°53	10°D 2	8°58	22°20	26°22	W 6
T 7	3 5 19	14°40'28	26°11	4°50	8°19	27°3	10°8	19°44	9°3	6°51	9°52	10°3	8°54	22°27	26°20	T 7
F 8	3 9 15	15°40'37	8♊21	4°R52	9°34	27°33	10°21	19°49	9°6	6°54	9°51	10°R 3	8°51	22°34	26°18	F 8
S 9	3 13 12	16°40'49	20°48	4°46	10°49	28°4	10°33	19°53	9°9	6°56	9°50	10°3	8°48	22°40	26°15	S 9
S 10	3 17 8	17°41'02	3♊38	4°30	12°5	28°34	10°46	19°57	9°12	6°58	9°49	10°0	8°45	22°47	26°13	S 10
M 11	3 21 5	18°41'17	16°51	4°5	13°20	29°4	10°59	20°2	9°15	7°0	9°48	9°55	8°42	22°54	26°10	M 11
T 12	3 25 2	19°41'35	0♊31	3°29	14°35	29°34	11°12	20°6	9°19	7°2	9°47	9°48	8°39	23°0	26°7	T 12
W 13	3 28 58	20°41'54	14°34	2°44	15°51	0♊4	11°25	20°11	9°22	7°4	9°46	9°38	8°35	23°7	26°5	W 13
T 14	3 32 55	21°42'15	28°56	1°49	17°6	0°33	11°38	20°16	9°25	7°7	9°45	9°26	8°32	23°14	26°2	T 14
F 15	3 36 51	22°42'38	13♊32	0°45	18°21	1°2	11°51	20°21	9°28	7°9	9°44	9°15	8°29	23°21	25°59	F 15
S 16	3 40 48	23°43'02	28°13	29♊34	19°37	1°31	12°5	20°25	9°31	7°11	9°43	9°5	8°26	23°27	25°56	S 16
S 17	3 44 44	24°43'28	12♊53	28°18	20°52	2°0	12°18	20°30	9°34	7°13	9°42	8°57	8°23	23°34	25°53	S 17
M 18	3 48 41	25°43'55	27°24	26°58	22°8	2°29	12°31	20°35	9°37	7°15	9°41	8°51	8°19	23°41	25°50	M 18
T 19	3 52 38	26°44'23	11♊42	25°37	23°23	2°57	12°44	20°40	9°39	7°18	9°39	8°49	8°16	23°47	25°47	T 19
W 20	3 56 34	27°44'53	25°46	24°18	24°38	3°26	12°57	20°46	9°42	7°20	9°38	8°D48	8°13	23°54	25°44	W 20
T 21	4 0 31	28°45'23	9♊34	23°3	25°54	3°54	13°11	20°51	9°45	7°22	9°37	8°R48	8°10	24°1	25°41	T 21
F 22	4 4 27	29°45'55	23°9	21°55	27°9	4°21	13°24	20°56	9°48	7°24	9°36	8°48	8°7	24°7	25°38	F 22
S 23	4 8 24	0♊46°29	6°V30	20°56	28°25	4°49	13°37	21°1	9°51	7°27	9°35	8°45	8°4	24°14	25°35	S 23
S 24	4 12 20	1°47'03	19°40	20°7	29°40	5°16	13°51	21°7	9°53	7°29	9°34	8°40	8°0	24°21	25°31	S 24
M 25	4 16 17	2°47'39	2♊39	19°30	0♊55	5°43	14°4	21°12	9°56	7°31	9°33	8°32	7°57	24°27	25°28	M 25
T 26	4 20 13	3°48'16	15°27	19°3	2°11	6°10	14°17	21°18	9°59	7°33	9°32	8°21	7°54	24°34	25°25	T 26
W 27	4 24 10	4°48'54	28°4	18°49	3°26	6°37	14°31	21°23	10°1	7°36	9°30	8°7	7°51	24°41	25°21	W 27
T 28	4 28 7	5°49'34	10♊30	18°D46	4°42	7°3	14°44	21°29	10°4	7°38	9°29	7°53	7°48	24°47	25°18	T 28
F 29	4 32 3	6°50'15	22°46	18°53	5°57	7°29	14°58	21°35	10°6	7°40	9°28	7°39	7°45	24°54	25°14	F 29
S 30	4 36 0	7♊50°57	4♊51	19♊11	7♊12	7°V55	15♊11	21♊40	10♊9	7♊42	9♊27	7♊26	7♊41	25♊1	25♊11	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	14s23	27n33	5n 4	23s29	2s57	10s35	1n14	15n 3	1n36	21s15	0n31	22s 1	0n 0	2s49	0n41	19s52	1n33	10n 0	12s 3	7s39	8s 6	25n24	17n33	5s50			
S 2	14 42	28 15	4 52	23 36	2 56	11 3	1 12	14 53	1 37	21 17	0 31	22 1	0 0	2 51	0 41	19 53	1 33	10 0	12 3	7 42	8 8	25 23	17 32	5 50			
S 3	15 1	27 36	4 28	23 41	2 55	11 30	1 11	14 44	1 38	21 19	0 31	22 1	0 0	2 52	0 41	19 53	1 33	10 0	12 3	7 45	8 9	25 21	17 32	5 51			
M 4	15 19	25 41	3 52	23 44	2 52	11 56	1 9	14 34	1 39	21 21	0 31	22 0	0 0	2 53	0 41	19 53	1 33	9 59	12 3	7 47	8 10	25 19	17 31	5 51			
T 5	15 38	22 39	3 7	23 45	2 48	12 23	1 8	14 25	1 40	21 23	0 31	22 0	0 0	2 55	0 41	19 54	1 33	9 59	12 3	7 48	8 11	25 18	17 31	5 52			
W 6	15 56	18 41	2 13	23 43	2 43	12 49	1 6	14 15	1 42	21 25	0 31	21 59	0s 0	2 56	0 41	19 54	1 33	9 59	12 3	7 48	8 12	25 16	17 30	5 52			
T 7	16 14	13 56	1 13	23 39	2 36	13 15	1 5	14 6	1 43	21 27	0 30	21 59	0 0	2 57	0 41	19 54	1 33	9 59	12 4	7 48	8 14	25 14	17 30	5 53			
F 8	16 31	8 35	0 9	23 31	2 28	13 40	1 3	13 56	1 44	21 29	0 30	21 58	0 0	2 58	0 41	19 55	1 33	9 59	12 4	7 48	8 15	25 13	17 29	5 53			
S 9	16 49	2 46	0s57	23 21	2 19	14 5	1 1	13 47	1 45	21 31	0 30	21 57	0 0	3 0	0 41	19 55	1 33	9 58	12 4	7 48	8 16	25 11	17 29	5 53			
S 10	17 6	3s18	2 2	23 8	2 8	14 30	1 0	13 37	1 46	21 33	0 30	21 57	0 0	3 1	0 41	19 56	1 33	9 58	12 4	7 49	8 17	25 9	17 28	5 54			
M11	17 22	9 25	3 2	22 51	1 56	14 55	0 58	13 28	1 47	21 35	0 30	21 56	0 0	3 2	0 41	19 56	1 33	9 58	12 4	7 51	8 18	25 7	17 28	5 54			
T 12	17 39	15 18	3 54	22 30	1 42	15 19	0 56	13 18	1 48	21 37	0 30	21 56	0 1	3 3	0 41	19 56	1 33	9 58	12 4	7 54	8 19	25 6	17 28	5 55			
W13	17 55	20 33	4 33	22 6	1 26	15 42	0 54	13 9	1 50	21 39	0 30	21 55	0 1	3 5	0 41	19 57	1 33	9 58	12 4	7 57	8 21	25 4	17 27	5 55			
T 14	18 11	24 43	4 56	21 38	1 9	16 6	0 52	13 0	1 51	21 41	0 30	21 54	0 1	3 6	0 41	19 57	1 33	9 57	12 4	8 2	8 22	25 2	17 27	5 55			
F 15	18 26	27 23	5 0	21 7	0 50	16 29	0 50	12 50	1 52	21 42	0 30	21 54	0 1	3 7	0 41	19 57	1 33	9 57	12 4	8 6	8 23	25 0	17 26	5 56			
S 16	18 41	28 9	4 45	20 32	0 30	16 51	0 48	12 41	1 53	21 44	0 30	21 53	0 1	3 8	0 41	19 58	1 33	9 57	12 4	8 10	8 24	24 59	17 26	5 56			
S 17	18 56	26 57	4 11	19 56	0 10	17 13	0 46	12 32	1 54	21 46	0 29	21 52	0 1	3 9	0 41	19 58	1 33	9 57	12 4	8 13	8 25	24 57	17 25	5 56			
M18	19 11	23 56	3 20	19 18	0n11	17 35	0 44	12 23	1 56	21 48	0 29	21 52	0 1	3 10	0 41	19 59	1 33	9 57	12 4	8 15	8 27	24 55	17 25	5 57			
T 19	19 25	19 29	2 18	18 39	0 31	17 56	0 42	12 14	1 57	21 50	0 29	21 51	0 1	3 11	0 41	19 59	1 33	9 57	12 4	8 16	8 28	24 53	17 24	5 57			
W20	19 39	14 0	1 8	18 1	0 51	18 16	0 40	12 5	1 58	21 51	0 29	21 50	0 1	3 12	0 41	19 59	1 33	9 56	12 4	8 16	8 29	24 51	17 24	5 57			
T 21	19 52	7 55	0n 4	17 24	1 9	18 36	0 38	11 56	1 59	21 53	0 29	21 50	0 1	3 14	0 41	20 0	1 33	9 56	12 4	8 16	8 30	24 50	17 24	5 58			
F 22	20 5	1 34	1 15	16 50	1 27	18 56	0 36	11 47	2 0	21 55	0 29	21 49	0 1	3 15	0 41	20 0	1 33	9 56	12 4	8 16	8 31	24 48	17 23	5 58			
S 23	20 18	4n44	2 21	16 20	1 42	19 15	0 33	11 38	2 2	21 57	0 29	21 48	0 1	3 16	0 41	20 0	1 33	9 56	12 4	8 17	8 33	24 46	17 23	5 58			
S 24	20 30	10 44	3 18	15 55	1 55	19 34	0 31	11 29	2 3	21 58	0 29	21 47	0 1	3 17	0 41	20 1	1 33	9 56	12 4	8 19	8 34	24 44	17 22	5 59			
M25	20 42	16 12	4 4	15 34	2 7	19 51	0 29	11 20	2 4	22 0	0 29	21 47	0 1	3 18	0 42	20 1	1 33	9 56	12 4	8 22	8 35	24 42	17 22	5 59			
T 26	20 54	20 51	4 36	15 18	2 16	20 9	0 27	11 11	2 6	22 2	0 29	21 46	0 2	3 19	0 42	20 2	1 33	9 55	12 4	8 26	8 36	24 40	17 22	5 59			
W27	21 5	24 30	4 55	15 7	2 23	20 26	0 24	11 3	2 7	22 3	0 28	21 45	0 2	3 20	0 42	20 2	1 33	9 55	12 4	8 31	8 37	24 39	17 21	6 0			
T 28	21 16	26 56	4 59	15 1	2 28	20 42	0 22	10 54	2 8	22 5	0 28	21 44	0 2	3 21	0 42	20 2	1 33	9 55	12 4	8 36	8 38	24 37	17 21	6 0			
F 29	21 26	28 2	4 49	15 0	2 32	20 58	0 20	10 46	2 10	22 7	0 28	21 43	0 2	3 22	0 42	20 3	1 33	9 55	12 4	8 42	8 40	24 35	17 20	6 0			
S 30	21s36	27n46	4n26	15s 3	2n33	21s13	0n17	10n37	2n11	22s 8	0n28	21s43	0s 2	3s23	0n42	20s 3	1n33	9n55	12s 4	8s47	8s41	24n33	17n20	6s 0			

ASTRODIENST EPHEMERIS for the year 2137
geocentric

DECEMBER 2137

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 56	8♂51'41	16♂48	19♂37	8♂28	8♂20	15♂25	21♂46	10♂11	7♂45	9♂R26	7♂R15	7♂H38	25♂7	25♂R 7	S 1
M 2	4 43 53	9°52'27	28°38	20°12	9°43	8°45	15°38	21°52	10°13	7°47	9♂II25	7♂H 7	7°35	25°14	25♂II 4	M 2
T 3	4 47 49	10°53'14	10♂26	20°54	10°59	9°10	15°52	21°58	10°16	7°49	9°24	7° 2	7°32	25°21	25° 0	T 3
W 4	4 51 46	11°54'02	22°15	21°43	12°14	9°35	16° 5	22° 4	10°18	7°51	9°22	7° 0	7°29	25°28	24°57	W 4
T 5	4 55 42	12°54'51	4♂10	22°37	13°30	9°59	16°19	22°10	10°20	7°54	9°21	6°59	7°25	25°34	24°53	T 5
F 6	4 59 39	13°55'42	16°17	23°37	14°45	10°23	16°32	22°16	10°23	7°56	9°20	6°59	7°22	25°41	24°50	F 6
S 7	5 3 36	14°56'34	28°41	24°41	16° 1	10°47	16°46	22°22	10°25	7°58	9°19	6°59	7°19	25°48	24°46	S 7
S 8	5 7 32	15°57'28	11♂27	25°48	17°16	11°11	16°59	22°28	10°27	8° 0	9°18	6°57	7°16	25°54	24°42	S 8
M 9	5 11 29	16°58'23	24°40	26°59	18°32	11°34	17°13	22°34	10°29	8° 3	9°17	6°52	7°13	26° 1	24°39	M 9
T 10	5 15 25	17°59'19	8♂22	28°12	19°47	11°57	17°26	22°40	10°31	8° 5	9°16	6°44	7°10	26° 8	24°35	T 10
W11	5 19 22	19° 0'16	22°33	29°29	21° 3	12°19	17°40	22°47	10°33	8° 7	9°15	6°35	7° 6	26°14	24°31	W11
T 12	5 23 18	20° 1'15	7♂10	0♂47	22°18	12°41	17°54	22°53	10°35	8° 9	9°13	6°23	7° 3	26°21	24°27	T 12
F 13	5 27 15	21° 2'15	22° 5	2° 7	23°33	13° 3	18° 7	22°59	10°37	8°12	9°12	6°11	7° 0	26°28	24°24	F 13
S 14	5 31 11	22° 3'15	7♂10	3°28	24°49	13°24	18°21	23° 6	10°38	8°14	9°11	6° 1	6°57	26°34	24°20	S 14
S 15	5 35 8	23° 4'17	22°14	4°51	26° 4	13°45	18°34	23°12	10°40	8°16	9°10	5°52	6°54	26°41	24°16	S 15
M16	5 39 5	24° 5'19	7♂9	6°15	27°20	14° 6	18°48	23°19	10°42	8°18	9° 9	5°47	6°51	26°48	24°12	M16
T 17	5 43 1	25° 6'21	21°46	7°41	28°35	14°26	19° 1	23°25	10°43	8°20	9° 8	5°44	6°47	26°54	24° 9	T 17
W18	5 46 58	26° 7'24	6♂2	9° 7	29°51	14°46	19°15	23°32	10°45	8°23	9° 7	5°D43	6°44	27° 1	24° 5	W18
T 19	5 50 54	27° 8'27	19°56	10°33	1♂6	15° 5	19°28	23°38	10°47	8°25	9° 6	5°44	6°41	27° 8	24° 1	T 19
F 20	5 54 51	28° 9'30	3♂29	12° 1	2°22	15°24	19°42	23°45	10°48	8°27	9° 5	5°R44	6°38	27°14	23°58	F 20
S 21	5 58 47	29°10'34	16°42	13°29	3°37	15°43	19°55	23°52	10°49	8°29	9° 4	5°42	6°35	27°21	23°54	S 21
S 22	6 2 44	0♂11'38	29°39	14°57	4°53	16° 1	20° 9	23°58	10°51	8°31	9° 3	5°38	6°31	27°28	23°50	S 22
M23	6 6 40	1°12'42	12♂21	16°27	6° 8	16°19	20°22	24° 5	10°52	8°33	9° 2	5°32	6°28	27°34	23°46	M23
T 24	6 10 37	2°13'47	24°52	17°56	7°24	16°36	20°36	24°12	10°53	8°35	9° 0	5°23	6°25	27°41	23°43	T 24
W25	6 14 34	3°14'52	7♂13	19°26	8°39	16°53	20°49	24°19	10°55	8°38	8°59	5°12	6°22	27°48	23°39	W25
T 26	6 18 30	4°15'58	19°25	20°56	9°55	17° 9	21° 2	24°25	10°56	8°40	8°58	4°59	6°19	27°54	23°35	T 26
F 27	6 22 27	5°17'04	1♂29	22°27	11°10	17°25	21°16	24°32	10°57	8°42	8°57	4°47	6°16	28° 1	23°32	F 27
S 28	6 26 23	6°18'10	13°26	23°58	12°26	17°41	21°29	24°39	10°58	8°44	8°56	4°36	6°12	28° 8	23°28	S 28
S 29	6 30 20	7°19'16	25°19	25°29	13°41	17°56	21°43	24°46	10°59	8°46	8°55	4°27	6° 9	28°14	23°24	S 29
M30	6 34 16	8°20'23	7♂8	27° 1	14°56	18°10	21°56	24°53	11° 0	8°48	8°54	4°21	6° 6	28°21	23°21	M30
T 31	6 38 13	9♂21'31	18♂55	28♂33	16♂12	18♂24	22♂9	25♂0	11♂1	8♂50	8♂II53	4♂H17	6♂H 3	28♂28	23♂II17	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s46	26n12	3n52	15s 9	2n34	21s27	0n15	10n29	2n12	22s10	0n28	21s42	0s 2	3s24	0n42	20s 3
M 2	21 55	23 29	3 8	15 20	2 33	21 41	0 13	10 21	2 14	22 11	0 28	21 41	0 2	3 24	0 42	20 4
T 3	22 4	19 47	2 16	15 32	2 31	21 54	0 10	10 13	2 15	22 13	0 28	21 40	0 2	3 25	0 42	20 4
W 4	22 12	15 18	1 17	15 48	2 28	22 7	0 8	10 5	2 16	22 14	0 28	21 39	0 2	3 26	0 42	20 5
T 5	22 20	10 13	0 15	16 5	2 24	22 19	0 5	9 57	2 18	22 16	0 28	21 38	0 2	3 27	0 42	20 5
F 6	22 27	4 39	0s49	16 24	2 20	22 30	0 3	9 49	2 19	22 17	0 28	21 37	0 2	3 28	0 42	20 5
S 7	22 34	1s11	1 52	16 45	2 15	22 41	0 1	9 41	2 21	22 19	0 28	21 36	0 2	3 29	0 42	20 6
S 8	22 41	7 9	2 52	17 6	2 9	22 51	0s 2	9 33	2 22	22 20	0 27	21 36	0 2	3 29	0 42	20 6
M 9	22 47	13 1	3 44	17 29	2 3	23 0	0 4	9 26	2 23	22 21	0 27	21 35	0 2	3 30	0 42	20 6
T 10	22 53	18 28	4 25	17 51	1 57	23 8	0 6	9 19	2 25	22 23	0 27	21 34	0 3	3 31	0 42	20 7
W11	22 58	23 6	4 52	18 14	1 50	23 16	0 9	9 11	2 26	22 24	0 27	21 33	0 3	3 32	0 42	20 7
T 12	23 3	26 26	5 1	18 37	1 43	23 23	0 11	9 4	2 28	22 25	0 27	21 32	0 3	3 32	0 42	20 7
F 13	23 7	28 0	4 50	19 1	1 36	23 30	0 14	8 57	2 29	22 27	0 27	21 31	0 3	3 33	0 42	20 8
S 14	23 11	27 32	4 18	19 23	1 28	23 35	0 16	8 50	2 31	22 28	0 27	21 30	0 3	3 34	0 42	20 8
S 15	23 15	25 1	3 29	19 46	1 21	23 40	0 18	8 44	2 32	22 29	0 27	21 29	0 3	3 34	0 42	20 8
M16	23 17	20 49	2 25	20 8	1 13	23 45	0 21	8 37	2 34	22 30	0 27	21 28	0 3	3 35	0 42	20 9
T 17	23 20	15 24	1 13	20 30	1 6	23 48	0 23	8 31	2 35	22 32	0 27	21 27	0 3	3 36	0 42	20 9
W18	23 22	9 16	0n 2	20 51	0 58	23 51	0 25	8 25	2 37	22 33	0 27	21 26	0 3	3 36	0 42	20 9
T 19	23 24	2 50	1 15	21 11	0 50	23 53	0 28	8 18	2 39	22 34	0 27	21 25	0 3	3 37	0 42	20 10
F 20	23 25	3n33	2 22	21 31	0 43	23 54	0 30	8 13	2 40	22 35	0 26	21 23	0 3	3 37	0 42	20 10
S 21	23 25	9 38	3 20	21 49	0 35	23 55	0 32	8 7	2 42	22 36	0 26	21 22	0 3	3 38	0 42	20 10
S 22	23 25	15 10	4 6	22 7	0 27	23 54	0 34	8 1	2 43	22 37	0 26	21 21	0 3	3 38	0 42	20 11
M23	23 25	19 57	4 39	22 24	0 20	23 54	0 37	7 56	2 45	22 38	0 26	21 20	0 3	3 39	0 42	20 11
T 24	23 24	23 47	4 58	22 40	0 12	23 52	0 39	7 51	2 47	22 39	0 26	21 19	0 4	3 39	0 42	20 11
W25	23 23	26 28	5 3	22 55	0 5	23 49	0 41	7 46	2 48	22 40	0 26	21 18	0 4	3 40	0 42	20 12
T 26	23 21	27 53	4 54	23 9	0s 2	23 46	0 43	7 41	2 50	22 41	0 26	21 17	0 4	3 40	0 42	20 12
F 27	23 19	27 56	4 31	23 22	0 9	23 42	0 45	7 36	2 52	22 42	0 26	21 16	0 4	3 41	0 43	20 12
S 28	23 16	26 41	3 57	23 33	0 16	23 38	0 47	7 31	2 53	22 43	0 26	21 15	0 4	3 41	0 43	20 12
S 29	23 13	24 13	3 13	23 44	0 23	23 32	0 49	7 27	2 55	22 44	0 26	21 13	0 4	3 41	0 43	20 13
M30	23 10	20 44	2 20	23 53	0 30	23 26	0 51	7 23	2 57	22 45	0 26	21 12	0 4	3 42	0 43	20 13
T 31	23s 6	16n26	1n21	24s 2	0s37	23s19	0s53	7n19	2n58	22s46	0n26	21s11	0s 4	3s42	0n43	20s13

Julian Day Number = 2501917.5, Delta T = 113.75 sec
Ecliptic obliquity = 23°25'25", Nutation = 0°00'06", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°40'03", Lahiri = 25°47'03"