

Astrodienst Ephemeris Tables for the year 2164

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

JANUARY 2164 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ţ(,	Р	R	Ω	Ç	ķ	Day
S 1	6 40 59	10 る 3'33	5 Υ 43	26 × 11	22≈54	16843	21≈59	20 × 751	1≈35	3≈41	5°R40	13°R24	13 ₽ 9		11) (42	S 1
M 2	6 44 56	11° 4'41	18°32	27°42	24° 4	16°54	22°12	20°58	1°39	3°43	5939	13 €24	13° 6	6°26	11°44	M 2
T 3	6 48 52	12° 5'50	18 2	29°12	25°14	17° 4	22°24	21° 5	1°42	3°45	5°38	13°23	13° 2	6°32	11°47	T 3
W 4	6 52 49	13° 6'58	13°16	0 ට 43	26°25	17°16	22°37	21°12	1°45	3°47	5°37	13°21	12°59	6°39	11°49	W 4
T 5	6 56 45	14° 8'06	25°19	2°15	27°35	17°28	22°50	21°18	1°49	3°49	5°35	13°15	12°56	6°46	11°52	T 5
F 6	7 0 42	15° 9'15	7 Ⅱ 16	3°47	28°45	17°40	23° 2	21°25	1°52	3°51	5°34	13° 7	12°53	6°53	11°54	F 6
S 7	7 4 39	16°10'23	19° 9	5°19	29°55	17°53	23°15	21°32	1°56	3°54	5°33	12°56	12°50	6°59	11°57	S 7
S 8	7 8 3 5	17°11'31	195 2	6°51	1) 4	18° 7	23°28	21°38	1°59	3°56	5°32	12°42	12°47	7° 6	11°59	S 8
M 9	7 12 32	18°12'38	12°54	8°24	2°14	18°21	23°41	21°45	2° 2	3°58	5°31	12°27	12°43	7°13	12° 2	M 9
T 10	7 16 28	19°13'46	24°49	9°58	3°23	18°36	23°54	21°52	2° 6	4° 0	5°29	12°12	12°40	7°19	12° 5	T 10
W11	7 20 25	20°14'54	6Ω 46	11°31	4°33	18°51	24° 7	21°58	2° 9	4° 2	5°28	11°58	12°37	7°26	12° 7	W11
T 12	7 24 21	21°16'01	18°48	13° 5	5°42	19° 7	24°21	22° 5	2°13	4° 5	5°27	11°46	12°34	7°33	12°10	T 12
F 13	7 28 18	22°17'08	0 m 56	14°40	6°51	19°23	24°34	22°11	2°16	4° 7	5°26	11°37	12°31	7°40	12°13	F 13
S 14	7 32 14	23°18'16	13°12	16°15	8° 0	19°40	24°47	22°18	2°20	4° 9	5°25	11°31	12°28	7°46	12°16	S 14
S 15	7 36 11	24°19'23	25°39	17°50	9° 8	19°57	25° 0	22°24	2°23	4°11	5°24	11°28	12°24	7°53	12°19	S 15
M16	7 40 8	25°20'30	8 ≏ 20	19°26	10°17	20°15	25°14	22°30	2°27	4°14	5°23	11°D27	12°21	8° 0	12°21	M16
T 17	7 44 4	26°21'37	21°20	21° 2	11°25	20°33	25°27	22°37	2°30	4°16	5°21	11°R27	12°18	8° 6	12°24	T 17
W18	7 48 1	27°22'44	4 M .41	22°39	12°33	20°52	25°41	22°43	2°34	4°18	5°20	11°27	12°15	8°13	12°27	W18
T 19	7 51 57	28°23'51	18°28	24°16	13°41	21°11	25°54	22°49	2°37	4°20	5°19	11°26	12°12	8°20	12°30	T 19
F 20	7 55 54	29°24'58	2 , ₹42	25°54	14°48	21°30	26° 8	22°55	2°41	4°23	5°18	11°22	12° 8	8°27	12°33	F 20
S 21	7 59 50	0≈26'04	17°21	27°32	15°56	21°50	26°22	23° 2	2°44	4°25	5°17	11°15	12° 5	8°33	12°37	S 21
S 22	8 3 47	1°27'10	2 る 20	29°11	17° 3	22°10	26°35	23° 8	2°48	4°27	5°16	11° 6	12° 2	8°40	12°40	S 22
M23	8 7 43	2°28'16	17°33	0≈51	18°10	22°31	26°49	23°14	2°52	4°29	5°15	10°56	11°59	8°47	12°43	M23
T 24	8 11 40	3°29'22	2≈47	2°31	19°17	22°52	27° 3	23°20	2°55	4°32	5°14	10°45	11°56	8°54	12°46	T 24
W25	8 15 37	4°30'26	17°53	4°11	20°24	23°13	27°17	23°26	2°59	4°34	5°13	10°36	11°53	9° 0	12°49	W25
T 26	8 19 33	5°31'30	2) (40	5°52	21°30	23°35	27°31	23°32	3° 2	4°36	5°12	10°28	11°49	9° 7	12°53	T 26
F 27	8 23 30	6°32'33	17° 1	7°34	22°36	23°57	27°44	23°37	3° 6	4°39	5°11	10°23	11°46	9°14	12°56	F 27
S 28	8 27 26	7°33'35	0 Ƴ 53	9°16	23°42	24°20	27°58	23°43	3° 9	4°41	5°10	10°21	11°43	9°20	12°59	S 28
S 29	8 31 23	8°34'36	14°16	10°59	24°48	24°42	28°12	23°49	3°13	4°43	5° 9	10°D21	11°40	9°27	13° 3	S 29
M30	8 35 19	9°35'36	27°13	12°43	25°53	25° 6	28°26	23°55	3°16	4°45	5° 8	10°21	11°37	9°34	13° 6	M30
T 31	8 39 16	10≈36'34	9 8 46	14≈27	26 米 58	25 8 29	28 ≈ 41	24 ₮ 0	3≈20	4≈48	5 95 7	10°R22	11 ≏ 34	9 95 41	13 ∺ 9	T 31

Day	0	D	ğ	Q	♂	4	ħ)Å(¥	Р	n	ນ ţ	ķ
	decl	decl lat	decl lat	decl lat dec	l lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1 M 2	23 s 2 22 57	6 50 0s27	23 43 0 19		4 1 47 1	14 53 0 50	21 46 1 20	20 19 0 33		18 6 5 12	5 s 1 7 5 1 7	5 s11 18n10 5 10 18 9	2 s 37 4 n 5 5 2 3 6 4 5 5
T 3 W 4 T 5	22 46	13 24 2 31	23 51 0 26 23 57 0 33 24 3 0 39	3 14 19 1 43 18 4	2 1 48 1	14 45 0 50	21 47 1 20	20 18 0 33 20 17 0 33 20 16 0 33	19 1 0 16	18 7 5 11	5 17 5 16 5 14	5 9 18 9 5 7 18 8 5 6 18 8	2 36 4 54 2 35 4 54 2 35 4 54
F 6 S 7			24 7 0 46 24 10 0 52		1 1		-	20 16 0 33 20 15 0 33			5 10 5 6	5 5 18 8 5 4 18 7	2 34 4 54 2 33 4 53
S 8 M 9 T 10	22 11	17 50 4 59	24 13 1 4		9 1 51 14 3 1 51 14 8 1 52 14	14 24 0 50	21 50 1 20	20 13 0 33	18 59 0 16 18 59 0 16 18 58 0 16	18 7 5 11	5 1 4 55 4 49	5 3 18 7 5 1 18 6 5 0 18 6	2 32 4 53 2 32 4 53 2 31 4 52
T 12	21 53 21 44 21 34	-	24 10 1 15 24 6 1 20 24 1 1 25	5 11 8 1 24 19 1 0 10 40 1 20 19 1	7 1 53 1	14 11 0 50	21 51 1 20	20 12 0 33 20 11 0 33 20 10 0 33	18 57 0 16	18 8 5 11	4 44 4 39 4 35	4 59 18 5 4 58 18 5 4 56 18 5	2 30 4 52 2 29 4 52 2 29 4 52
_	21 24 21 14	4 23 2 24	23 55 1 30 23 47 1 34	0 9 42 1 14 19 2	7 1 53 1	14 2 0 50	21 51 1 20 21 51 1 20 21 52 1 20	20 9 0 33	18 56 0 16 18 56 0 16	18 8 5 11	4 33	4 55 18 4 4 54 18 4	2 28 4 51 2 27 4 51
M16 T 17	21 3 20 52	3 s33 0 17 7 30 0n52	23 38 1 39 23 28 1 43	9 8 44 1 6 19 3 3 8 15 1 3 19 4	7 1 54 13 3 1 54 13	13 53 0 50 13 49 0 50	21 52 1 20 21 53 1 20	20 8 0 33 20 7 0 33	18 55 0 16 18 55 0 16	18 8 5 11 18 8 5 10	4 32 4 32	4 53 18 3 4 51 18 3	2 26 4 51 2 25 4 50
W18 T 19 F 20	20 40 20 28 20 15	14 23 3 3	23 16 1 46 23 2 1 50 22 48 1 53	0 7 15 0 55 19 5	3 1 55 13	13 39 0 50	21 53 1 20 21 53 1 20 21 53 1 20	20 5 0 33	18 54 0 16	18 9 5 10	4 32 4 31 4 29	4 50 18 2 4 49 18 2 4 48 18 1	2 24 4 50 2 23 4 50 2 23 4 50
S 21 S 22		-	22 31 1 56 22 14 1 58		4 1 56 13 0 1 56 13		21 54 1 20 21 54 1 20		18 53 0 16 18 52 0 16		4 27 4 23	4 46 18 1 4 45 18 0	2 22 4 49 2 21 4 49
M23 T 24 W25	19 35 19 21 19 7	14 58 4 40		0 5 15 0 38 20 1 2 4 45 0 33 20 2 3 4 14 0 29 20 2	1 1 56 1	13 16 0 50	21 54 1 20 21 55 1 20 21 55 1 20	20 1 0 33	18 51 0 16	18 9 5 10	4 19 4 15 4 11	4 44 18 0 4 43 17 59 4 41 17 59	2 20 4 49 2 19 4 49 2 18 4 49
T 26 F 27 S 28	18 52 18 37 18 22	7 37 3 6 3 16 2 1	20 48 2 5 20 23 2 5	5 3 44 0 24 20 3 5 3 13 0 19 20 3 5 2 43 0 14 20 4	2 1 57 13 8 1 57 13	13 7 0 50 13 2 0 50	21 55 1 20 21 55 1 20	20 0 0 33 19 59 0 33		18 10 5 9 18 10 5 9	4 8 4 7 4 6	4 40 17 58 4 39 17 58 4 38 17 57	2 17 4 48 2 16 4 48 2 14 4 48
S 29 M30 T 31	18 6 17 50	5 18 0s21 9 5 1 29	19 28 2 5	5 2 12 0 9 20 4 5 1 42 0 4 20 5	9 1 57 12 5 1 57 12	12 52 0 50 12 47 0 50	21 56 1 20 21 56 1 20	19 57 0 33 19 56 0 33	18 48 0 16 18 48 0 16	18 10 5 9 18 10 5 9 18 10 5 9	4 5 4 6 4s 6	4 37 17 57 4 35 17 56 4 s34 17n56	2 13 4 48 2 12 4 47 2s11 4n47

 $\label{eq:Julian Day Number = 2511444.5, Delta T = 131.79 sec} \\ Ecliptic obliquity = 23°24'55, Nutation = 0°00'04, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°01'55, Lahiri = 26°08'56 \\$

FEBRUARY 2164 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(¥	Р	₽.	v	Ç	ķ	Day
W 1	8 43 12	11≈37'32	22 8 2	16≈11	28) 3	25 8 53	28≈55	24 ∡ 6	3≈23	4≈50	5°R 6	10°R21	11 ≏ 30	99547	13) (13	W 1
T 2	8 47 9	12°38'28	4 I 5	17°56	29° 8	26°17	29° 9	24°11	3°27	4°52	5 9 5	10 ≏ 18	11°27	9°54	13°16	T 2
F 3	8 51 6	13°39'23	16° 0	19°42	0 Υ 12	26°41	29°23	24°17	3°30	4°54	5° 4	10°13	11°24	10° 1	13°20	F 3
S 4	8 55 2	14°40'17	27°51	21°28	1°16	27° 6	29°37	24°22	3°34	4°57	5° 3	10° 6	11°21	10° 7	13°23	S 4
S 5	8 58 59	15°41'10	99542	23°14	2°19	27°31	29°51	24°27	3°37	4°59	5° 2	9°57	11°18	10°14	13°27	S 5
M 6	9 2 5 5	16°42'02	21°36	25° 1	3°22	27°56	0 ∀ 5	24°33	3°41	5° 1	5° 1	9°46	11°14	10°21	13°30	M 6
T 7	9 6 52	17°42'52	3 Ω 35	26°47	4°25	28°22	0°20	24°38	3°44	5° 3	5° 0	9°35	11°11	10°28	13°34	T 7
W 8	9 10 48	18°43'41	15°40	28°34	5°28	28°47	0°34	24°43	3°48	5° 6	5° 0	9°25	11°8	10°34	13°38	W 8
T 9	9 14 45	19°44'29	27°52	0 ∺ 21	6°30	29°13	0°48	24°48	3°51	5° 8	4°59	9°17	11° 5	10°41	13°41	T 9
F 10	9 18 41	20°45'16	10 m 13	2° 7	7°32	29°39	1° 3	24°53	3°54	5°10	4°58	9°11	11° 2	10°48	13°45	F 10
S 11	9 22 38	21°46'01	22°43	3°53	8°33	0 I 6	1°17	24°58	3°58	5°12	4°57	9° 7	10°59	10°55	13°49	S 11
S 12	9 26 35	22°46'46	5 Ω 24	5°37	9°34	0°33	1°31	25° 3	4° 1	5°15	4°56	9°D 6	10°55	11° 1	13°52	S 12
M13	9 30 31	23°47'29	18°17	7°21	10°34	0°59	1°46	25° 7	4° 5	5°17	4°56	9° 6	10°52	11°8	13°56	M13
T 14	9 34 28	24°48'11	1 M 24	9° 4	11°34	1°27	2° 0	25°12	4° 8	5°19	4°55	9° 7	10°49	11°15	14° 0	T 14
W15	9 38 24	25°48'53	14°48	10°44	12°34	1°54	2°14	25°17	4°11	5°21	4°54	9° 8	10°46	11°21	14° 3	W15
T 16	9 42 21	26°49'33	28°30	12°22	13°33	2°22	2°29	25°21	4°15	5°23	4°54	9°R 9	10°43	11°28	14° 7	T 16
F 17	9 46 17	27°50'12	12 × 32	13°58	14°32	2°49	2°43	25°26	4°18	5°25	4°53	9° 8	10°40	11°35	14°11	F 17
S 18	9 50 14	28°50'50	26°53	15°30	15°30	3°17	2°57	25°30	4°21	5°28	4°52	9° 5	10°36	11°42	14°15	S 18
S 19	9 54 10	29°51'28	11 궁 30	16°58	16°27	3°45	3°12	25°35	4°25	5°30	4°52	9° 1	10°33	11°48	14°19	S 19
M20	9 58 7	0) €52'03	26°18	18°22	17°24	4°14	3°26	25°39	4°28	5°32	4°51	8°55	10°30	11°55	14°22	M20
T 21	10 2 4	1°52'38	11≈10	19°40	18°21	4°42	3°41	25°43	4°31	5°34	4°50	8°49	10°27	12° 2	14°26	T 21
W22	10 6 0	2°53'11	25°58	20°53	19°17	5°11	3°55	25°47	4°34	5°36	4°50	8°44	10°24	12° 9	14°30	W22
T 23	10 9 57	3°53'42	10 米 33	21°58	20°12	5°40	4°10	25°51	4°38	5°38	4°49	8°40	10°20	12°15	14°34	T 23
F 24	10 13 53	4°54'12	24°50	22°57	21° 7	6° 9	4°24	25°55	4°41	5°40	4°49	8°37	10°17	12°22	14°38	F 24
S 25	10 17 50	5°54'40	8 Ƴ 42	23°48	22° 1	6°38	4°38	25°59	4°44	5°42	4°48	8°D36	10°14	12°29	14°42	S 25
S 26	10 21 46	6°55'07	22° 9	24°30	22°55	7° 8	4°53	26° 3	4°47	5°44	4°48	8°37	10°11	12°35	14°45	S 26
M27	10 25 43	7°55'31	5 8 11	25° 3	23°48	7°37	5° 7	26° 6	4°50	5°46	4°47	8°38	10° 8	12°42	14°49	M27
T 28	10 29 39	8°55'54	17°51	25°27	24°40	8° 7	5°22	26°10	4°53	5°48	4°47	8°40	10° 5	12°49	14°53	T 28
W29	10 33 36	9 米 56'14	0 Ⅱ 11	25 米 41	25 Y 31	8 Ⅱ 37	5 ₩ 36	26 × 13	4≈56	5≈50	49546	8 ≏ 42	10 ♀ 1	12956	14) (57	W29

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	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17 s17	14n59 3 s	24 17s54	2s 2	0 s40	0n 6	21n 6	1n57	12 s38	0 s 5 0	21 s57	1n21	19 s55	0 s33	18 s47	0n16	18n11	5s 9	4s 6	4 s33	17n55	2 s 1 0	4n47
T 2	17 0	16 54 4	7 17 20	2 0	0 10	0 12 2	21 12	1 57	12 33	0 50	21 57	1 21	19 54	0 33	18 46	0 16	18 11	5 9	4 5	4 32	17 55	2 9	4 47
F 3	16 43	18 4 4	39 16 45	1 57	0n21	0 17 2	21 18	1 57	12 28	0 50	21 57	1 21	19 53	0 33	18 46	0 16	18 11	5 8	4 3	4 30	17 54	2 8	4 47
S 4	16 25	18 26 4	58 16 8	1 54	0 51	0 23 2	21 24	1 57	12 23	0 50	21 57	1 21	19 52	0 33	18 45	0 16	18 11	5 8	4 0	4 29	17 54	2 7	4 47
S 5	16 7	17 59 5	5 15 30	1 50	1 22	0 29 2	21 29	1 57	12 18	0 50	21 57	1 21	19 52	0 33	18 45	0 16	18 11	5 8	3 56	4 28	17 53	2 5	4 46
M 6	15 49	16 46 4	59 14 50	1 46	1 52	0 35 2	21 35	1 57	12 13	0 50	21 58	1 21	19 51	0 33	18 44	0 16	18 11	5 8	3 52	4 27	17 53	2 4	4 46
T 7	15 31	14 48 4	39 14 9	1 41	2 22	0 40 2	21 41	1 57	12 8	0 50	21 58	1 21	19 50	0 33	18 44	0 16	18 11	5 8	3 48	4 25	17 52	2 3	4 46
W 8	15 12	12 11 4	7 13 27	1 35	2 53	0 46 2	21 47	1 57	12 3	0 50	21 58	1 21	19 49	0 33	18 43	0 16	18 12	5 8	3 44	4 24	17 52	2 2	4 46
T 9	14 53	9 1 3	23 12 44	1 29	3 23	0 52 2	21 52	1 57	11 58	0 50	21 58	1 21	19 48	0 33	18 43	0 16	18 12	5 8	3 41	4 23	17 51	2 1	4 46
F 10	14 34	5 26 2	29 12 0	1 22	3 53	0 59 2	21 58	1 57	11 53	0 51	21 58	1 21	19 48	0 33	18 42	0 16	18 12	5 8	3 38	4 22	17 51	1 59	4 45
S 11	14 14	1 33 1	27 11 14	1 15	4 23	1 5 2	22 4	1 57	11 48	0 51	21 58	1 21	19 47	0 33	18 42	0 16	18 12	5 7	3 37	4 20	17 50	1 58	4 45
S 12	13 55	2 s27 0	20 10 28	1 6	4 53	1 11 2	-	1 57	11 43	0 51	21 58	1 21	19 46	0 33	18 41	0 16	18 12	5 7	3 36	4 19	17 50	1 57	4 45
M13	13 35	-			5 22	1 18 2	-		11 38		21 59		19 45		18 40		18 13	5 7	5 50		17 49	1 56	-
T 14	13 14	10 6 1	58 8 54	0 48	5 52	1 24 2		1 57	11 33	0 51	21 59	1 21	19 44	0 33	18 40	0 16	18 13	5 7	3 37	4 17	17 49	1 54	4 45
W15	12 54	13 22 3	1 8 6	0 37	6 21	1 31 2	22 26	1 57	11 27	0 51	21 59	1 21	19 44	0 33	18 39	0 16	18 13	5 7	3 37	4 15	17 48	1 53	4 45
T 16	12 34	15 58 3	56 7 19	0 26	6 50	1 37 2	22 31	1 57	11 22	0 51	21 59	1 21	19 43	0 33	18 39	0 16	18 13	5 7	3 37	4 14	17 48	1 52	4 45
F 17	12 13	17 41 4	37 6 31	0 14	7 19	1 44 2	22 37	1 57	11 17	0 51	21 59	1 21	19 42	0 33	18 38	0 16	18 13	5 7	3 37	4 13	17 47	1 50	4 44
S 18	11 52	18 20 5	3 5 44	0 2	7 48	1 51 2	22 42	1 57	11 12	0 51	21 59	1 21	19 41	0 33	18 38	0 16	18 13	5 6	3 36	4 12	17 47	1 49	4 44
	11 31	17 46 5	10 4 58	0n11	8 16	1 57 2			11 7		21 59		19 41		18 37		-	-			17 46	1 48	4 44
M20	11 9				8 45	2 4 2			11 2		21 59		19 40		18 37		18 14	5 6			17 45	1 46	4 44
T 21		13 12 4			9 13	2 11 2			10 56		21 59		19 39		18 36		18 14	5 6			17 45	1 45	4 44
W22	10 26				9 40	2 18 2			10 51		21 59		19 38		18 36	0 16	-	5 6			17 44	1 44	4 44
T 23	10 4				10 8	2 25 2			10 46	0 51			19 38		18 35		18 14	5 6			17 44	1 42	4 44
F 24	9 42	0 55 1	-		10 35	2 32 2		1 56	10 41	0 51			19 37		18 35		18 14	-	3 25	4 4	17 43	1 41	4 44
S 25	9 20	3n26 0s	1 0 57	1 39	11 2	2 40 2	23 18	1 56	10 36	0 51	22 0	1 22	19 36	0 33	18 34	0 16	18 15	5 5	3 25	4 3	17 43	1 40	4 44
S 26	8 58	7 29 1	13 0 26	1 54	11 29	2 47 2	-		10 30				19 35		18 34		18 15	5 5			17 42	1 38	4 43
M27	8 35	11 2 2	20 0n 1	2 9	11 55	2 54 2	23 27	1 55	10 25	0 51	22 0	1 22	19 35	0 33	18 33	0 16	18 15	5 5	3 25	4 0	17 42	1 37	4 43
T 28	8 13	13 57 3	18 0 23	2 24	12 21	3 2	23 32	1 55	10 20	0 51	22 0	1 22	19 34	0 33	18 33	0 16	18 15	5 5	3 26	3 59	17 41	1 35	4 43
W29	7 s50	16n10 4s	6 0n42	2n37	12n47	3n 9	23n37	1n55	10s15	0 s52	22 s 0	1n22	19 s33	0 s33	18 s32	0n16	18n15	5 s 5	3 s27	3 s58	17n40	1 s34	4n43

Julian Day Number = 2511475.5, Delta T = 131.85 sec Ecliptic obliquity = $23^{\circ}24'55$, Nutation = $0^{\circ}00'05$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}01'59$, Lahiri = $26^{\circ}09'00$

MARCH 2164 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	24	ħ)∤(#	Р	n	Ω	Ç	ķ	Day
T 1	10 37 33	10 ¥ 56'33	12 I I18	25°R45	26 Y 22	9 I 7	5 ¥ 51	26 × 17	4≈59	5≈52	4°R46	8°R42	9 ≙ 58	1395 2	15) 1	T 1
F 2	10 41 29	11°56'50	24°15	25) (40	27°11	9°37	6° 5	26°20	5° 2	5°54	49546	8 ≏ 41	9°55	13° 9	15° 5	F 2
S 3	10 45 26	12°57'05	695 7	25°25	28° 0	10° 8	6°19	26°23	5° 5	5°56	4°45	8°39	9°52	13°16	15° 9	S 3
S 4	10 49 22	13°57'18	17°59	25° 1	28°48	10°38	6°34	26°27	5° 8	5°58	4°45	8°36	9°49	12022	15°13	S 4
M 5	10 49 22	13°57'18 14°57'28	29°55	24°29	28°48 29°35	10°38	6°48	26°27 26°30	5°11	6° 0	4°45	8°32	9°49 9°45	13°22 13°29	15°13	S 4 M 5
T 6	10 53 19	14 37 28 15°57'37	11 Ω 58	23°49	0 8 22	11°40	7° 3	26°33	5°14	6° 2	4°44	8°28	9°42	13°36	15°20	T 6
W 7	11 1 12	16°57'44	24°10	23° 2	1° 7	12°10	7°17	26°36	5°17	6° 3	4°44	8°25	9°39	13°43	15°24	W 7
T 8	11 5 8	17°57'49	6m)34	22°10	1°51	12°41	7°31	26°38	5°20	6° 5	4°44	8°22	9°36	13°49	15°28	T 8
F 9	11 9 5	18°57'52	19°10	21°14	2°34	13°12	7°45	26°41	5°23	6° 7	4°43	8°20	9°33	13°56	15°32	F 9
S 10	11 13 1	19°57'53	1 ≏ 59	20°15	3°16	13°44	8° 0	26°44	5°25	6° 9	4°43	8°D19	9°30	14° 3	15°36	S 10
S 11	11 16 58	20°57'52	15° 1	19°14	3°57	14°15	8°14	26°46	5°28	6°11	4°43	8°19	9°26	14°10	15°40	S 11
M12	11 20 55	21°57'49	28°16	18°14	4°37	14°47	8°28	26°49	5°31	6°12	4°43	8°19	9°23	14°16	15°44	M12
T 13	11 24 51	22°57'45	11 M .44	17°16	5°16	15°18	8°42	26°51	5°33	6°14	4°43	8°21	9°20	14°23	15°48	T 13
W14	11 28 48	23°57'39	25°24	16°20	5°53	15°50	8°57	26°53	5°36	6°16	4°43	8°22	9°17	14°30	15°51	W14
T 15	11 32 44	24°57'32	9 √ 15	15°27	6°29	16°22	9°11	26°55	5°39	6°17	4°43	8°23	9°14	14°36	15°55	T 15
F 16	11 36 41	25°57'23	23°17	14°39	7° 4	16°53	9°25	26°57	5°41	6°19	4°43	8°R23	9°11	14°43	15°59	F 16
S 17	11 40 37	26°57'12	7 云 28	13°56	7°37	17°25	9°39	26°59	5°44	6°21	4°42	8°23	9° 7	14°50	16° 3	S 17
S 18	11 44 34	27°57'00	21°47	13°19	8° 9	17°58	9°53	27° 1	5°46	6°22	4°D42	8°22	9° 4	14°57	16° 7	S 18
M19	11 48 30	28°56'46	6≈10	12°48	8°39	18°30	10° 7	27° 3	5°49	6°24	4°42	8°21	9° 1	15° 3	16°11	M19
T 20	11 52 27	29°56'30	20°33	12°23	9° 8	19° 2	10°21	27° 5	5°51	6°25	4°42	8°20	8°58	15°10	16°14	T 20
W21	11 56 24	0 Υ 56'12	4) €52	12° 5	9°35	19°34	10°35	27° 6	5°54	6°27	4°43	8°19	8°55	15°17	16°18	W21
T 22	12 0 20	1°55'52	19° 2	11°52	10° 0	20° 7	10°49	27° 8	5°56	6°28	4°43	8°19	8°51	15°23	16°22	T 22
F 23	12 4 17	2°55'31	2 Υ 58	11°46	10°24	20°39	11° 3	27° 9	5°58	6°30	4°43	8°D18	8°48	15°30	16°26	F 23
S 24	12 8 13	3°55'07	16°37	11°D46	10°45	21°12	11°17	27°10	6° 0	6°31	4°43	8°18	8°45	15°37	16°30	S 24
S 25	12 12 10	4°54'42	29°57	11°52	11° 5	21°45	11°31	27°12	6° 3	6°33	4°43	8°19	8°42	15°44	16°33	S 25
M26	12 16 6	5°54'14	12856	12° 3	11°23	22°18	11°45	27°13	6° 5	6°34	4°43	8°19	8°39	15°50	16°37	M26
T 27	12 20 3	6°53'44	25°37	12°20	11°39	22°51	11°59	27°14	6° 7	6°35	4°43	8°19	8°36	15°57	16°41	T 27
W28	12 23 59	7°53'12	8 I 0	12°41	11°53	23°24	12°12	27°15	6° 9	6°37	4°44	8°R19	8°32	16° 4	16°44	W28
T 29	12 27 56	8°52'38	20° 9	13° 7	12° 5	23°57	12°26	27°15	6°11	6°38	4°44	8°19	8°29	16°11	16°48	T 29
F 30	12 31 53	9°52'01	295 9	13°38	12°14	24°30	12°40	27°16	6°13	6°39	4°44	8°19	8°26	16°17	16°52	F 30
S 31	12 35 49	10 Y 51'22	1499 3	14 米 13	12822	25 II 3	12 米 53	27 × 17	6≈15	6≈41	49544	8°D19	8 ₾ 23	169524	16 ∺ 55	S 31

Day	0	D	ğ	Q	♂ [™]	4	ħ)∤(¥	Р	n	v t	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1 F 2 S 3	7 s27 7 4 6 41	17n36 4s41 18 14 5 4 18 3 5 13		2 13 38 3 24	23n41 1n55 23 45 1 54 23 50 1 54	10s10 0s52 10 4 0 52 9 59 0 52	22 0 1 22	19 s33	18 31 0 16	18 16 5 4		3 s57 17n40 3 55 17 39 3 54 17 39	1 s33 4n43 1 31 4 43 1 30 4 43
S 4 M 5 T 6 W 7 T 8 F 9	6 18 5 55 5 32 5 9 4 45 4 22	15 23 4 52 12 59 4 22 10 0 3 40	1 1 3 2 0 50 3 3	29	23 58 1 54 24 2 1 54 24 6 1 53	9 54 0 52 9 49 0 52 9 43 0 52 9 38 0 52 9 33 0 52 9 28 0 52	22 0 1 22 22 0 1 22 22 0 1 22 22 0 1 22 22 0 1 22	19 29 0 34	18 30 0 16 18 30 0 16 18 29 0 16 18 29 0 16	18 16 5 4 18 16 5 4 18 16 5 4 18 17 5 3	3 23 3 21 3 20 3 19	3 53 17 38 3 52 17 37 3 50 17 37 3 49 17 36 3 48 17 36 3 47 17 35	1 28 4 43 1 27 4 43 1 25 4 43 1 24 4 43 1 22 4 43 1 21 4 43
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17	3 58 3 35 3 11 2 47 2 24 2 0 1 36 1 13	17 15 4 37 18 9 5 6	1 0 3 3 3 1 2 0 3 1 3 2 2 5 3 32 2 4	32 17 5 4 32 25 17 25 4 39 17 17 46 4 47 7 18 5 4 54 56 18 24 5 1 43 18 43 5 9	24 24 1 52 24 28 1 52 24 31 1 52 24 34 1 52	9 22 0 52 9 17 0 52 9 12 0 52 9 7 0 53 9 1 0 53 8 56 0 53 8 51 0 53 8 46 0 53	22 0 1 23 22 0 1 23	19 25 0 34 19 24 0 34 19 24 0 34	18 27 0 16 18 27 0 16 18 27 0 16 18 26 0 16 18 26 0 16 18 25 0 16	18 17 5 3 18 17 5 3 18 18 5 3 18 18 5 2 18 18 5 2 18 18 5 2	3 18 3 18 3 18 3 19 3 19 3 19 3 19	3 45 17 34 3 44 17 34 3 43 17 33 3 42 17 33 3 40 17 32 3 39 17 31 3 38 17 31 3 37 17 30	1 20 4 43 1 18 4 43 1 17 4 43 1 15 4 43 1 14 4 42 1 12 4 42 1 11 4 42 1 9 4 42
S 18 M19 T 20 W21 T 22 F 23 S 24	0 49 0 25 0 1 0n22 0 46 1 10 1 33		5 16 1 4 5 37 1 3 5 56 1 1 6 12 1	1 19 35 5 31 46 19 51 5 38 31 20 6 5 45 16 20 21 5 51 1 20 35 5 58	24 45 1 51 24 48 1 50 24 50 1 50 24 52 1 50 24 54 1 49	8 40 0 53 8 35 0 53 8 30 0 53 8 25 0 53 8 20 0 53 8 14 0 54 8 9 0 54	22 0 1 23 22 0 1 24		18 24 0 16 18 23 0 16 18 23 0 16 18 23 0 16	18 19 5 2 18 19 5 1 18 19 5 1 18 19 5 1 18 19 5 1	3 19 3 18 3 18 3 18 3 17	3 35 17 29 3 34 17 29 3 33 17 28 3 32 17 28 3 30 17 27 3 29 17 26 3 28 17 26	1 8 4 42 1 6 4 42 1 5 4 42 1 3 4 42 1 2 4 42 1 1 4 42 0 59 4 42
S 25 M26 T 27 W28 T 29 F 30 S 31		17 7 4 34 18 2 5 1	6 52 0 6 56 0s 6 57 0 2 6 57 0 3	18 21 12 6 17 4 21 23 6 23 9 21 33 6 29 22 21 42 6 35	25 2 1 48 25 3 1 48 25 4 1 48 25 5 1 47	7 59 0 54 7 54 0 54 7 49 0 54 7 43 0 54 7 38 0 54	21 59 1 24 21 59 1 24 21 59 1 24 21 59 1 24 21 59 1 24	19 17 0 34 19 17 0 34 19 16 0 34 19 16 0 34 19 15 0 34	18 21 0 16 18 21 0 16 18 21 0 16 18 20 0 16	18 20 5 0 18 20 5 0 18 20 5 0 18 20 5 0	3 18 3 18 3 18 3 18 3 18	3 27 17 25 3 25 17 24 3 24 17 24 3 23 17 23 3 22 17 22 3 20 17 22 3 s19 17n21	0 58 4 43 0 56 4 43 0 55 4 43 0 53 4 43 0 52 4 43 0 50 4 43 0 849 4n43

Julian Day Number = 2511504.5, Delta T = 131.91 sec Ecliptic obliquity = 23°24'56, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'03$, Lahiri = $26^{\circ}09'04$

APRIL 2164 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(¥	Р	u	Ω	Ç	ę,	Day
S 1	12 39 46	11 Y 50'41	25956	14) (53	12827	25耳36	13) 7	27 × 17	6≈17	6≈42	49945	8 ₾ 19	8 ჲ 20	16931	16 米 59	S 1
M 2	12 43 42	12°49'57	7 Ω 52	15°36	12°29	26°10	13°20	27°17	6°19	6°43	4°45	8°20	8°16	16°37	17° 3	M 2
T 3	12 47 39	13°49'12	19°57	16°22	12°R30	26°43	13°34	27°18	6°21	6°44	4°45	8°20	8°13	16°44	17° 6	T 3
W 4	12 51 35	14°48'23	2 m) 14	17°12	12°27	27°17	13°47	27°18	6°23	6°45	4°46	8°21	8°10	16°51	17°10	W 4
T 5	12 55 32	15°47'33	14°46	18° 5	12°23	27°50	14° 1	27°R18	6°24	6°46	4°46	8°22	8° 7	16°58	17°13	T 5
F 6	12 59 28	16°46'40	27°35	19° 1	12°15	28°24	14°14	27°18	6°26	6°47	4°46	8°22	8° 4	17° 4	17°17	F 6
S 7	13 3 25	17°45'46	10 ≏ 42	20° 0	12° 6	28°57	14°27	27°18	6°28	6°49	4°47	8°R22	8° 1	17°11	17°20	S 7
S 8	13 721	18°44'49	24° 7	21° 2	11°54	29°31	14°40	27°18	6°29	6°50	4°47	8°22	7°57	17°18	17°24	S 8
M 9	13 11 18	19°43'50	7 M .48	22° 7	11°39	0ණ 5	14°53	27°17	6°31	6°50	4°48	8°21	7°54	17°24	17°27	M 9
T 10	13 15 15	20°42'49	21°43	23°14	11°22	0°39	15° 6	27°17	6°33	6°51	4°48	8°20	7°51	17°31	17°31	T 10
W11	13 19 11	21°41'47	5 √ 49	24°23	11° 2	1°13	15°19	27°16	6°34	6°52	4°49	8°18	7°48	17°38	17°34	W11
T 12	13 23 8	22°40'43	20° 1	25°34	10°41	1°47	15°32	27°16	6°35	6°53	4°49	8°16	7°45	17°45	17°37	T 12
F 13	13 27 4	23°39'37	4 궁 17	26°48	10°17	2°21	15°45	27°15	6°37	6°54	4°50	8°15	7°42	17°51	17°41	F 13
S 14	13 31 1	24°38'29	18°32	28° 4	9°51	2°55	15°58	27°14	6°38	6°55	4°51	8°D14	7°38	17°58	17°44	S 14
S 15	13 34 57	25°37'20	2≈44	29°22	9°22	3°29	16°11	27°13	6°40	6°56	4°51	8°14	7°35	18° 5	17°47	S 15
M16	13 38 54	26°36'09	16°51	0 Υ 42	8°53	4° 3	16°24	27°12	6°41	6°56	4°52	8°15	7°32	18°12	17°50	M16
T 17	13 42 50	27°34'56	0) €51	2° 4	8°21	4°37	16°36	27°11	6°42	6°57	4°52	8°16	7°29	18°18	17°54	T 17
W18	13 46 47	28°33'41	14°43	3°28	7°48	5°12	16°49	27°10	6°43	6°58	4°53	8°18	7°26	18°25	17°57	W18
T 19	13 50 44	29°32'25	28°24	4°53	7°13	5°46	17° 1	27° 9	6°44	6°59	4°54	8°19	7°22	18°32	18° 0	T 19
F 20	13 54 40	0 8 31'07	11 Y 54	6°21	6°38	6°20	17°14	27° 7	6°45	6°59	4°55	8°R19	7°19	18°38	18° 3	F 20
S 21	13 58 37	1°29'47	25°10	7°50	6° 1	6°55	17°26	27° 6	6°46	7° 0	4°55	8°18	7°16	18°45	18° 6	S 21
S 22	14 2 33	2°28'25	8 8 13	9°21	5°24	7°29	17°38	27° 4	6°47	7° 0	4°56	8°16	7°13	18°52	18° 9	S 22
M23	14 6 30	3°27'01	21° 1	10°54	4°47	8° 4	17°50	27° 3	6°48	7° 1	4°57	8°12	7°10	18°59	18°12	M23
T 24	14 10 26	4°25'35	3 Ⅱ 34	12°28	4° 9	8°38	18° 3	27° 1	6°49	7° 1	4°58	8° 8	7° 7	19° 5	18°15	T 24
W25	14 14 23	5°24'08	15°54	14° 5	3°31	9°13	18°15	26°59	6°50	7° 2	4°58	8° 4	7° 3	19°12	18°18	W25
T 26	14 18 19	6°22'38	28° 3	15°43	2°54	9°48	18°27	26°57	6°51	7° 2	4°59	7°59	7° 0	19°19	18°21	T 26
F 27	14 22 16	7°21'06	1095 2	17°22	2°17	10°22	18°38	26°55	6°51	7° 3	5° 0	7°56	6°57	19°25	18°24	F 27
S 28	14 26 13	8°19'32	21°55	19° 4	1°41	10°57	18°50	26°53	6°52	7° 3	5° 1	7°53	6°54	19°32	18°26	S 28
S 29	14 30 9	9°17'56	3Ω48	20°47	1° 6	11°32	19° 2	26°51	6°53	7° 3	5° 2	7°52	6°51	19°39	18°29	S 29
M30	14 34 6	10 8 16'18	15 Ω 44	22 Y 32	0 8 32	1295 7	19) 13	26 × 749	6≈53	7≈ 4	5 95 3	7°D52	6 ≏ 48	199546	18) (32	M30

Day	0	D	ğ	Ф	♂ [™]	4	ħ)∤(¥	Р	n	Ω	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
S 1 M 2	4n41 5 4	15n59 5s 2 13 50 4 36	6s49 0s 6 42 1	s56 22n 3 6n50 7 22 8 6 54					18 s20 0n16 18 19 0 16		3 s18 3 18	3 s18 3 17	17n20 17 20	0 s47 4n43 0 46 4 43
T 3	5 27	11 3 3 57		17 22 11 6 58					18 19 0 16		3 18		17 19	0 45 4 43
W 4 T 5	5 50 6 13	7 45 3 7 4 2 2 7	-	26 22 14 7 1 35 22 15 7 4	25 9 1 46 25 10 1 46	7 13 0 5 7 8 0 5		19 13 0 34 19 13 0 34			3 18 3 19	3 14 3 13		0 43 4 43 0 42 4 43
F 6	6 35	0 3 0 59		43 22 16 7 7				19 12 0 34			3 19	3 12		0 40 4 43
S 7	6 58	4s 2 0n13	5 39 1	51 22 14 7 9	25 10 1 45	6 58 0 5	5 21 59 1 25	19 12 0 35	18 18 0 16	18 22 4 58	3 19	3 10	17 16	0 39 4 43
S 8 M 9	7 20 7 43	8 0 1 26 11 38 2 36		58 22 12 7 10 4 22 8 7 11	25 10 1 45 25 9 1 44				18 18 0 16 18 18 0 16		3 19 3 18	-	17 16 17 15	0 38 4 43 0 36 4 43
T 10	8 5	14 40 3 37		10 22 3 7 11					18 17 0 16	-	3 18		17 14	0 35 4 43
W11		16 53 4 27	-	16 21 56 7 11					18 17 0 16	-	3 17	-	17 14	0 33 4 44
T 12 F 13	8 49 9 11			20 21 48 7 10 25 21 39 7 8		6 33 0 5 6 29 0 5			18 17 0 16 18 17 0 16	-	3 17 3 16		17 13 17 12	0 32 4 44 0 31 4 44
S 14	9 32			28 21 28 7 6			6 21 58 1 25				3 16	-	17 11	0 29 4 44
S 15		14 51 4 48		32 21 16 7 2			7 21 58 1 25			18 23 4 57	3 16	-	17 11	0 28 4 44
M16 T 17	10 15 10 36		-	34 21 2 6 58 36 20 47 6 53		6 14 0 5					3 16		17 10 17 9	0 27 4 44 0 25 4 44
W18	10 50	8 10 3 12 4 4 2 6		38 20 31 6 48			7 21 58 1 25 7 21 58 1 25		18 16 0 16 18 16 0 16		3 17 3 17		17 9	0 23 4 44 0 24 4 44
	11 18	0n12 0 54			24 59 1 41		7 21 58 1 25		18 16 0 16		3 18		17 8	0 23 4 44
F 20	11 39	4 24 0 s20			24 57 1 41		7 21 58 1 25		18 15 0 16		3 18	2 54		0 21 4 44
S 21	11 59	8 19 1 31	0 40 2	39 19 34 6 26	24 55 1 41	5 51 0 5	8 21 57 1 26	19 8 0 35	18 15 0 16	18 24 4 56	3 17	2 53	17 7	0 20 4 45
S 22		11 45 2 37	-		24 52 1 40		8 21 57 1 26			18 24 4 56	3 16	2 52		
M23 T 24		14 34 3 33 16 37 4 18		38 18 52 6 8 36 18 29 5 57	24 50 1 40 24 47 1 40		8 21 57 1 26 8 21 57 1 26				3 15 3 14		17 5 17 4	0 17 4 45 0 16 4 45
W25	12 39		-		24 47 1 40 24 45 1 39	5 32 0 5					3 12	-	17 4	0 16 4 45
T 26		18 16 5 8			24 42 1 39		8 21 57 1 26				3 10	-	17 3	0 14 4 45
F 27		17 50 5 13	-		24 39 1 39		9 21 57 1 26			-	3 9	-	17 2	0 12 4 45
S 28	14 16	16 38 5 4	5 14 2	24 16 54 5 10	24 36 1 38	5 19 0 5	9 21 57 1 26	19 6 0 35	18 14 0 16	18 24 4 55	3 7	2 44	17 1	0 11 4 46
S 29 M30		14 43 4 41 12n10 4s 7			24 32 1 38 24n29 1n38					18 24 4 55 18n25 4s55		2 43 2 s42	17 1 17n 0	0 10 4 46 0s 9 4n46

Julian Day Number = 2511535.5, Delta T = 131.98 sec Ecliptic obliquity = $23^{\circ}24'56$, Nutation = $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'08$, Lahiri = $26^{\circ}09'08$

MAY 2164 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(并	Р	n	Ω	ţ	ę,	Day
T 1	14 38 2	11 8 14'37	27 Ω 47	24 Y 18	29°R59	129542	19) 25	26°R46	6≈54	7≈ 4	599 4	7 ≙ 53	6 ₽ 44	19952	18) (35	T 1
W 2	14 41 59	12°12'55	10 Mp 4	26° 7	29 Y 29	13°17	19°36	26 ∡ 144	6°54	7° 4	5° 5	7°54	6°41	19°59	18°37	W 2
T 3	14 45 55	13°11'11	22°39	27°57	29° 0	13°52	19°48	26°41	6°55	7° 4	5° 6	7°56	6°38	20° 6	18°40	T 3
F 4	14 49 52	14° 9'24	5 ≙ 34	29°49	28°33	14°27	19°59	26°39	6°55	7° 5	5° 7	7°R57	6°35	20°12	18°42	F 4
S 5	14 53 48	15° 7'36	18°53	1843	28° 8	15° 2	20°10	26°36	6°55	7° 5	5° 8	7°56	6°32	20°19	18°45	S 5
S 6	14 57 45	16° 5'45	2 M .35	3°38	27°45	15°37	20°21	26°33	6°56	7° 5	5° 9	7°54	6°28	20°26	18°47	S 6
M 7	15 1 42	17° 3'54	16°39	5°35	27°24	16°12	20°32	26°30	6°56	7° 5	5°10	7°50	6°25	20°33	18°50	M 7
T 8	15 5 38	18° 2'00	1 √ 1	7°34	27° 6	16°47	20°43	26°27	6°56	7° 5	5°11	7°45	6°22	20°39	18°52	T 8
W 9	15 9 35	19° 0'05	15°35	9°34	26°50	17°22	20°54	26°25	6°56	7°R 5	5°12	7°39	6°19	20°46	18°55	W 9
T 10	15 13 31	19°58'08	0 궁 15	11°37	26°37	17°57	21° 4	26°21	6°56	7° 5	5°13	7°32	6°16	20°53	18°57	T 10
F 11	15 17 28	20°56'10	14°53	13°40	26°26	18°32	21°15	26°18	6°R56	7° 5	5°14	7°27	6°13	21° 0	18°59	F 11
S 12	15 21 24	21°54'11	29°23	15°46	26°17	19° 8	21°25	26°15	6°56	7° 5	5°15	7°23	6° 9	21° 6	19° 1	S 12
S 13	15 25 21	22°52'10	13≈41	17°52	26°11	19°43	21°36	26°12	6°56	7° 5	5°16	7°21	6° 6	21°13	19° 3	S 13
M14	15 29 17	23°50'08	27°44	20° 0	26° 7	20°18	21°46	26° 9	6°56	7° 5	5°17	7°D21	6° 3	21°20	19° 6	M14
T 15	15 33 14	24°48'04	11) 32	22° 9	26°D 6	20°54	21°56	26° 5	6°56	7° 4	5°18	7°22	6° 0	21°26	19° 8	T 15
W16	15 37 11	25°46'00	25° 5	24°19	26° 7	21°29	22° 6	26° 2	6°56	7° 4	5°19	7°23	5°57	21°33	19°10	W16
T 17	15 41 7	26°43'54	8 Υ 24	26°30	26°10	22° 4	22°16	25°58	6°55	7° 4	5°21	7°R23	5°53	21°40	19°12	T 17
F 18	15 45 4	27°41'47	21°30	28°41	26°16	22°40	22°26	25°55	6°55	7° 4	5°22	7°22	5°50	21°47	19°14	F 18
S 19	15 49 0	28°39'38	4 8 25	0П52	26°24	23°15	22°35	25°51	6°55	7° 3	5°23	7°19	5°47	21°53	19°15	S 19
S 20	15 52 57	29°37'29	17° 8	3° 3	26°34	23°51	22°45	25°47	6°54	7° 3	5°24	7°14	5°44	22° 0	19°17	S 20
M21	15 56 53	0 Ⅲ 35'18	29°40	5°14	26°46	24°26	22°54	25°43	6°54	7° 3	5°25	7° 6	5°41	22° 7	19°19	M21
T 22	16 0 50	1°33'05	12 I 1	7°24	27° 0	25° 2	23° 4	25°40	6°53	7° 2	5°27	6°57	5°38	22°13	19°21	T 22
W23	16 4 46	2°30'51	24°13	9°34	27°16	25°38	23°13	25°36	6°53	7° 2	5°28	6°46	5°34	22°20	19°22	W23
T 24	16 8 43	3°28'36	69316	11°42	27°34	26°13	23°22	25°32	6°52	7° 1	5°29	6°36	5°31	22°27	19°24	T 24
F 25	16 12 40	4°26'19	18°12	13°49	27°54	26°49	23°31	25°28	6°51	7° 1	5°30	6°27	5°28	22°34	19°26	F 25
S 26	16 16 36	5°24'01	0 Ω 4	15°54	28°16	27°25	23°39	25°24	6°51	7° 0	5°32	6°19	5°25	22°40	19°27	S 26
S 27	16 20 33	6°21'41	11°55	17°57	28°39	28° 0	23°48	25°20	6°50	7° 0	5°33	6°14	5°22	22°47	19°29	S 27
M28	16 24 29	7°19'20	23°49	19°58	29° 4	28°36	23°57	25°16	6°49	6°59	5°34	6°11	5°19	22°54	19°30	M28
T 29	16 28 26	8°16'58	5 m 51	21°57	29°31	29°12	24° 5	25°12	6°48	6°58	5°36	6°D10	5°15	23° 0	19°31	T 29
W30	16 32 22	9°14'33	18° 5	23°54	29°59	29°48	24°13	25° 8	6°47	6°58	5°37	6°10	5°12	23° 7	19°33	W30
T 31	16 36 19	10 Ⅱ 12'08	0 ჲ 37	25∏48	0 8 28	$0\Omega 24$	24 米 21	25 ₹ 3	6≈46	6≈57	5938	6°R11	5 ≙ 9	239514	19 米 34	T 31

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T 1 W 2	15n11 15 29	9n 4 3 s2 5 32 2 2			15n40 15 16	4n30 2 4 16 2	-	1n37 1 37	5s 6 5 1		21 s57 21 56	1n26 1 26	19s 6					4 s 5 5 4 5 4	3 s 7	2 s 4 0 2 3 9		0s 8 0 6	4n46 4 46
T 3	15 47		8 54		-		4 18	1 36	4 57	1 0		1 26						4 54	3 9	2 38		0 5	4 46
F 4	16 4	2 s24 0 1			14 30		4 14	1 36	4 53	1 0		1 26						4 54	3 9	2 37		0 4	4 46
S 5	16 21	6 28 Ons	10 26	1 44	14 7	3 33 2	24 9	1 36	4 49	1 0	21 56	1 26	19 6	0 35	18 14	0 15	18 25	4 54	3 9	2 35	16 56	0 3	4 47
S 6 M 7			0 11 12		-		24 5	1 35 1 35	4 45 4 40	1 0		1 26 1 26			18 14 18 14			4 54 4 54	3 8 3 6		16 55 16 55	0 2 0 1	4 47 4 47
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W 9			13 32		-	2 36 2		1 34	4 32	1 1		1 26			-			4 54	3 2	2 30		0 1	4 47
T 10 F 11	17 43 17 58		7 14 19 6 15 6			2 22 2 2 2 2 8 2	3 46	1 34 1 34	4 28 4 24	1 1 1 1	21 56 21 56	1 26 1 26			-			4 53 4 53	2 59 2 57	2 29 2 28		0 3 0 4	4 47 4 48
S 12			15 52		11 54	1 54 2		1 33	4 20	1 1		1 26			-			4 53	2 56	2 27		0 5	4 48
S 13	18 28	-	9 16 37				3 30	1 33	4 17	1 2		1 26			18 14			4 53	2 55	2 25		0 6	4 48
M14 T 15	18 43 18 57	9 9 3 1 5 9 2 1	7 17 22 5 18 6				23 25	1 33 1 32	4 13 4 9	1 2 1 2		1 26 1 26		0 36	-	0 15 0 15		4 53 4 53	2 55	2 24	16 49 16 48	0 7 0 8	4 48 4 48
W16	19 11		6 18 49		11 2		23 13	1 32	4 5	1 2		1 26			-	0 15		4 53	2 56		16 48	0 9	4 49
T 17	19 24		5 19 30				23 7	1 32	4 1	1 3		1 26			-	0 15		4 53	2 56		16 47	0 9	4 49
F 18 S 19	19 38 19 50		5 20 10 20 20 48		10 43 10 35	0 37 2 0 26 2		1 31 1 31	3 58 3 54	1 3	21 55 21 55	1 26 1 26			18 14 18 14	0 15 0 15	18 26 18 26	4 52 4 52	2 55 2 54		16 46 16 45	0 10 0 11	4 49 4 49
S 20	20 3	13 47 3 1	7 21 25	0 40	10 28	0 15 2	2 48	1 30	3 51	1 3	21 55	1 26	19 7	0 36	18 15	0 15	18 26	4 52	2 52	2 16	16 45	0 12	4 49
M21	20 15		3 21 59				2 41	1 30	3 47	1 3		1 26		0 36		0 15		4 52	2 49		16 44	0 13	4 50
T 22 W23	20 27 20 39		7 22 31 7 23 0		10 17 10 13	0s 7 2 0 17 2	2 34	1 30 1 29	3 44 3 40	1 4	-	1 26 1 26		0 36		0 15 0 15		4 52 4 52	2 45 2 41		16 43 16 42	0 14 0 15	4 50 4 50
T 24	20 50		5 23 27		-	0 27 2	-	1 29	3 37		21 54	1 26		0 36				4 52	2 37		16 41	0 16	4 50
F 25	-		8 23 51	-		0 37 2	-	1 29	3 34		21 54	1 26		0 36			18 27	4 52	2 33		16 40	0 16	4 50
S 26	21 11	15 34 4 3	9 24 13	1 33	10 8	0 46 2	22 6	1 28	3 30	1 5	21 54	1 26	19 8	0 36	18 15	0 15	18 27	4 51	2 30	2 9	16 40	0 17	4 51
S 27			8 24 32		10 8	0 55 2		1 28	3 27		21 54	1 26					18 27	4 51	2 28		16 39	0 18	4 51
	21 31 21 40		26 24 48 35 25 2		10 8 10 10	1 4 2 1 12 2	1 51	1 27 1 27	3 24 3 21	1 5 1 5	21 54 21 53	1 26 1 26			18 16 18 16			4 51 4 51	2 27 2 27	2 6 2 5		0 19 0 19	4 51 4 51
	21 49		5 25 13		10 10	1 20 2		1 27	3 18		21 53	1 26						4 51	2 27	2 4		0 20	4 51
T 31	21n57	0s42 0s3	30 25n22	2n 1	10n16	1 s27	21n27	1n26	3 s 1 5	1s 6	21 s53	1n26	19s 9	0s36	18s16	0n15	18n27	4 s 5 1	$2\mathrm{s}27$	2 s 3	16n36	0n21	4n52

 $\label{eq:Julian Day Number = 2511565.5, Delta T = 132.04 sec} \\ Ecliptic obliquity = 23°24'55, Nutation = 0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°02'12, Lahiri = 26°09'12 \\ \\$

JUNE 2164 00:00 UT

Day	Sid.t	0	D	ğ	Q.	ð	24	ħ)∤(卉	Р	រា	Ω	Ç	ķ	Day
F 1	16 40 15	11 II 9'41	13 ≏ 32	27 Ⅱ 40	1 8 0	1 Ω 0	24) 29	24°R59	6°R45	6°R56	59640	6°R11	5 ₾ 6	239521	19) 35	F 1
S 2	16 44 12	12° 7'12	26°53	29°29	1°32	1°35	24°37	24 × 755	6≈44	6≈56	5°41	6 ₾ 9	5° 3	23°27	19°36	S 2
S 3	16 48 9	13° 4'43	10 M 42	19515	2° 6	2°11	24°45	24°51	6°43	6°55	5°42	6° 5	4°59	23°34	19°37	S 3
M 4	16 52 5	14° 2'12	24°59	2°58	2°41	2°47	24°53	24°46	6°42	6°54	5°44	5°58	4°56	23°41	19°38	M 4
T 5	16 56 2	14°59'40	9 ∡ 139	4°39	3°17	3°23	25° 0	24°42	6°41	6°53	5°45	5°50	4°53	23°47	19°39	T 5
W 6	16 59 58	15°57'07	24°35	6°17	3°55	3°59	25° 7	24°38	6°40	6°52	5°47	5°40	4°50	23°54	19°40	W 6
T 7	17 3 55	16°54'34	9 云 39	7°52	4°33	4°35	25°14	24°33	6°39	6°52	5°48	5°30	4°47	24° 1	19°41	T 7
F 8	17 7 51	17°51'59	24°40	9°24	5°13	5°11	25°21	24°29	6°37	6°51	5°49	5°21	4°44	24° 8	19°42	F 8
S 9	17 11 48	18°49'24	9≈30	10°53	5°54	5°47	25°28	24°25	6°36	6°50	5°51	5°14	4°40	24°14	19°43	S 9
S 10	17 15 44	19°46'48	24° 2	12°20	6°36	6°24	25°35	24°20	6°35	6°49	5°52	5°10	4°37	24°21	19°44	S 10
M11	17 19 41	20°44'11	8) 12	13°43	7°19	7° 0	25°41	24°16	6°33	6°48	5°54	5° 8	4°34	24°28	19°44	M11
T 12	17 23 38	21°41'34	22° 0	15° 4	8° 3	7°36	25°48	24°11	6°32	6°47	5°55	5°D 7	4°31	24°34	19°45	T 12
W13	17 27 34	22°38'56	5 Υ 26	16°21	8°47	8°12	25°54	24° 7	6°30	6°46	5°56	5°R 7	4°28	24°41	19°45	W13
T 14	17 31 31	23°36'18	18°33	17°35	9°33	8°48	26° 0	24° 2	6°29	6°45	5°58	5° 7	4°25	24°48	19°46	T 14
F 15	17 35 27	24°33'39	1824	18°47	10°19	9°24	26° 6	23°58	6°27	6°44	5°59	5° 4	4°21	24°55	19°46	F 15
S 16	17 39 24	25°31'00	14° 2	19°55	11° 6	10° 1	26°12	23°54	6°26	6°43	6° 1	5° 0	4°18	25° 1	19°47	S 16
S 17	17 43 20	26°28'21	26°28	20°59	11°54	10°37	26°17	23°49	6°24	6°41	6° 2	4°52	4°15	25° 8	19°47	S 17
M18	17 47 17	27°25'41	8∏46	22° 1	12°43	11°13	26°23	23°45	6°22	6°40	6° 4	4°41	4°12	25°15	19°47	M18
T 19	17 51 13	28°23'00	20°55	22°59	13°32	11°50	26°28	23°40	6°21	6°39	6° 5	4°29	4° 9	25°21	19°47	T 19
W20	17 55 10	29°20'19	2958	23°53	14°22	12°26	26°33	23°36	6°19	6°38	6° 7	4°15	4° 5	25°28	19°48	W20
T 21	17 59 7	09517'38	14°55	24°44	15°13	13° 2	26°38	23°32	6°17	6°37	6° 8	4° 2	4° 2	25°35	19°48	T 21
F 22	18 3 3	1°14'56	26°47	25°32	16° 5	13°39	26°42	23°27	6°15	6°35	6° 9	3°49	3°59	25°42	19°R48	F 22
S 23	18 7 0	2°12'13	8 Ω 38	26°15	16°57	14°15	26°47	23°23	6°13	6°34	6°11	3°38	3°56	25°48	19°48	S 23
S 24	18 10 56	3° 9'29	20°28	26°55	17°49	14°52	26°51	23°18	6°12	6°33	6°12	3°30	3°53	25°55	19°48	S 24
M25	18 14 53	4° 6'45	2 m 21	27°30	18°42	15°28	26°56	23°14	6°10	6°32	6°14	3°25	3°50	26° 2	19°47	M25
T 26	18 18 49	5° 4'01	14°22	28° 2	19°36	16° 5	27° 0	23°10	6° 8	6°30	6°15	3°23	3°46	26° 8	19°47	T 26
W27	18 22 46	6° 1'15	26°34	28°29	20°30	16°41	27° 3	23° 6	6° 6	6°29	6°17	3°22	3°43	26°15	19°47	W27
T 28	18 26 42	6°58'29	9 ≏ 4	28°52	21°25	17°18	27° 7	23° 1	6° 4	6°28	6°18	3°22	3°40	26°22	19°47	T 28
F 29	18 30 39	7°55'43	21°55	29°10	22°20	17°54	27°11	22°57	6° 2	6°26	6°20	3°21	3°37	26°29	19°46	F 29
S 30	18 34 36	8952'56	5 M 13	299524	23816	18 N 31	27) 14	22 × 33	6≈ 0	6≈25	6 9 21	3 ₾ 20	3 ≏ 34	26935	19) (46	S 30

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F 1 S 2	22n 6 22 13			25n28 25 31	2n 4	10n20 5 10 25		21n19 21 11		3 s12 3 9		21 s53 21 53	1n26 1 26	19s 9 19 9		18s16 18 16		18n27 18 27	4 s 5 1 4 5 1	2 s27 2 26	2s 1 2 0	16n35 16 34	0n22 0 22	4n52 4 52
S 3 M 4 T 5	22 28	15 17	3 49	25 33 25 32 25 29	2 9	3 10 30 9 10 36 9 10 43	1 48 1 54 2 0	20 54		3 6 3 3 3 1	1 7 1 7 1 7	21 53	1 26	19 10 19 10 19 10	0 37		0 15 0 15 0 15		4 51 4 51 4 50	2 25 2 22 2 19	1 59 1 58 1 56		0 23 0 23 0 24	4 52 4 53 4 53
W 6 T 7 F 8 S 9	22 46 22 52	18 3 16 29	5 1 4 45	25 24 25 17 25 9 24 59	2 2	3 10 50 7 10 58 4 11 6 1 11 15		20 27 20 18	1 24 1 23	2 58 2 55 2 53 2 50	1 8	21 52 21 52 21 52 21 52	1 26 1 26	19 11 19 11 19 11 19 12	0 37 0 37	18 17 18 17 18 18 18 18	0 15 0 15	18 27 18 27 18 27 18 27	4 50 4 50 4 50 4 50	2 15 2 11 2 7 2 5	1 54 1 53	16 31 16 30 16 29 16 28	0 25 0 25 0 26 0 26	4 53 4 53 4 53 4 54
T 14 F 15	23 6 23 9 23 13 23 16 23 18	6 22 2 7 2n 8 6 11 9 51	2 18 1 9 0s 2 1 11 2 14	24 48 24 35 24 21 24 6 23 50 23 33 23 15	1 53 1 48 1 42 1 35 1 20	11 54 5 12 5	2 31 2 35 2 39 2 43	19 40 19 30 19 21 19 11	1 22 1 22 1 21 1 21 1 21	2 48 2 46 2 43 2 41 2 39 2 37 2 35	1 9 1 9 1 9 1 9 1 10	21 52	1 26 1 26 1 26 1 25 1 25	19 12 19 13 19 13 19 13 19 14 19 14 19 15	0 37 0 37 0 37 0 37 0 37	18 18 18 18 18 19 18 19 18 19 18 19 18 20	0 15 0 15 0 15 0 15 0 15	18 27 18 27 18 27	4 50 4 50 4 50 4 50 4 50 4 50 4 50	2 3 2 2 2 2 2 2 2 2 2 2 2 1 1 59	1 49 1 48 1 46 1 45 1 44	16 26 16 25	0 27 0 27 0 28 0 28 0 28 0 29 0 29	4 54 4 54 4 54 4 55 4 55 4 55 4 55
T 19 W20 T 21 F 22	23 23 23 24 23 25 23 25	17 17 18 15 18 23 17 42 16 15	4 30 4 52 5 0 4 54 4 36	22 56 22 37 22 18 21 58 21 37 21 17 20 56	1 0 51 0 40 0 28 0 16	1 13 4	2 55 2 58 3 0 3 2 3 4	18 8 17 57	1 19 1 19 1 19 1 18 1 18	2 31 2 29 2 28	1 11 1 11 1 11 1 11 1 12	21 51 21 51 21 51 21 51 21 51 21 50 21 50	1 25 1 25 1 25 1 25 1 25	19 15 19 15 19 16 19 16 19 17 19 17 19 18	0 37 0 37 0 37 0 37 0 37	18 20 18 20 18 21 18 21 18 21 18 22 18 22	0 15 0 15 0 15 0 15 0 15	18 27 18 27	4 50 4 49 4 49 4 49 4 49 4 49	1 56 1 52 1 47 1 41 1 36 1 31 1 27	1 40 1 39 1 37 1 36 1 35	16 21 16 20 16 19 16 19 16 18 16 17 16 16	0 29 0 30 0 30 0 30 0 31 0 31 0 31	4 56 4 56 4 56 4 56 4 56 4 57 4 57
S 24 M25 T 26 W27 T 28 F 29 S 30	23 23 23 21 23 19 23 17 23 14 23 11 23n 7	8 12 4 38 0 49 3 s 8 7 2	2 36 1 39 0 36 0n30 1 37	20 36 20 16 19 56 19 36 19 17 18 58 18n40	1 22	3 14 20 7 14 34 2 14 47 7 15 0	3 9 3 10 3 11 3 12 3 13	17 13	1 17 1 16 1 16 1 15 1 15	2 21 2 20 2 19 2 17 2 16 2 15 2 s14	1 13 1 13 1 13 1 13 1 14	21 50 21 50 21 50 21 50 21 50 21 50 21 s50	1 25 1 24 1 24 1 24 1 24	19 18 19 19 19 19 19 20 19 20 19 21 19 s21	0 37 0 37 0 37 0 37 0 37		0 15 0 15 0 15 0 15 0 15	18 27 18 27 18 27	4 49 4 49 4 49 4 49 4 49 4 s49	1 24 1 22 1 21 1 20 1 20 1 20 1 s19	1 31 1 30 1 29 1 27 1 26	16 13 16 12 16 12	0 31 0 31 0 31 0 31 0 32 0 32 0n32	4 57 4 57 4 58 4 58 4 58 4 58 4 58 4 158

Julian Day Number = 2511596.5, Delta T = 132.10 sec Ecliptic obliquity = $23^{\circ}24'55$, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'16$, Lahiri = $26^{\circ}09'16$

JULY 2164 00:00 UT

Day	Sid.t	\odot	D	φ	φ	♂	4	ħ)ਮੂ(卉	Р	r	Ω	Ç	ę,	Day
S 1	18 38 32	9950'09	18 M .59	29934	24812	19⋒8	27) 17	22°R49	5°R58	6°R24	6923	3°R15	3 ≏ 31	269542	19°R45	S 1
M 2	18 42 29	10°47'21	3 ∡ 16	29°38	25° 8	19°44	27°20	22 × 745	5≈56	6≈22	6°24	3 ₾ 9	3°27	26°49	19) (45	M 2
T 3	18 46 25	11°44'33	17°59	29°R39	26° 5	20°21	27°23	22°41	5°54	6°21	6°26	3° 0	3°24	26°55	19°44	T 3
W 4	18 50 22	12°41'44	3 る 4	29°34	27° 3	20°58	27°25	22°37	5°51	6°19	6°27	2°50	3°21	27° 2	19°44	W 4
T 5	18 54 18	13°38'56	18°20	29°25	28° 1	21°34	27°28	22°33	5°49	6°18	6°28	2°39	3°18	27° 9	19°43	T 5
F 6	18 58 15	14°36'07	3≈37	29°11	28°59	22°11	27°30	22°29	5°47	6°16	6°30	2°30	3°15	27°16	19°42	F 6
S 7	19 2 11	15°33'18	18°43	28°54	29°58	22°48	27°32	22°25	5°45	6°15	6°31	2°22	3°11	27°22	19°42	S 7
S 8	19 6 8	16°30'30	3 ∺ 29	28°32	0 П 57	23°25	27°34	22°21	5°43	6°13	6°33	2°17	3° 8	27°29	19°41	S 8
M 9	19 10 5	17°27'42	17°51	28° 6	1°56	24° 2	27°35	22°17	5°41	6°12	6°34	2°15	3° 5	27°36	19°40	M 9
T 10	19 14 1	18°24'54	1 Ƴ 47	27°37	2°56	24°38	27°37	22°13	5°38	6°10	6°36	2°D14	3° 2	27°42	19°39	T 10
W11	19 17 58	19°22'06	15°16	27° 5	3°56	25°15	27°38	22°10	5°36	6° 9	6°37	2°R15	2°59	27°49	19°38	W11
T 12	19 21 54	20°19'19	28°21	26°30	4°56	25°52	27°39	22° 6	5°34	6° 7	6°39	2°14	2°56	27°56	19°37	T 12
F 13	19 25 51	21°16'32	118 7	25°54	5°57	26°29	27°40	22° 2	5°31	6° 6	6°40	2°13	2°52	28° 3	19°36	F 13
S 14	19 29 47	22°13'46	23°36	25°15	6°58	27° 6	27°40	21°59	5°29	6° 4	6°41	2° 9	2°49	28° 9	19°35	S 14
S 15	19 33 44	23°11'00	5 Ⅱ 53	24°37	7°59	27°43	27°41	21°55	5°27	6° 3	6°43	2° 2	2°46	28°16	19°33	S 15
M16	19 37 40	24° 8'15	18° 0	23°58	9° 1	28°20	27°41	21°52	5°25	6° 1	6°44	1°54	2°43	28°23	19°32	M16
T 17	19 41 37	25° 5'30	095 1	23°19	10° 3	28°57	27°R41	21°49	5°22	5°59	6°46	1°43	2°40	28°29	19°31	T 17
W18	19 45 34	26° 2'46	11°56	22°42	11° 5	29°34	27°41	21°45	5°20	5°58	6°47	1°31	2°37	28°36	19°29	W18
T 19	19 49 30	27° 0'02	23°49	22° 6	12° 7	0 m p 1 1	27°41	21°42	5°17	5°56	6°48	1°19	2°33	28°43	19°28	T 19
F 20	19 53 27	27°57'18	5 Ω 39	21°33	13°10	0°48	27°40	21°39	5°15	5°55	6°50	1° 7	2°30	28°50	19°27	F 20
S 21	19 57 23	28°54'35	17°30	21° 4	14°13	1°26	27°39	21°36	5°13	5°53	6°51	0°58	2°27	28°56	19°25	S 21
S 22	20 1 20	29°51'52	29°23	20°38	15°16	2° 3	27°38	21°33	5°10	5°51	6°53	0°51	2°24	29° 3	19°23	S 22
M23	20 5 16	0 Ω 49'10	11 m 20	20°16	16°20	2°40	27°37	21°30	5° 8	5°50	6°54	0°47	2°21	29°10	19°22	M23
T 24	20 9 13	1°46'27	23°24	19°58	17°23	3°17	27°36	21°27	5° 6	5°48	6°55	0°45	2°17	29°16	19°20	T 24
W25	20 13 9	2°43'45	5 Ω 39	19°46	18°27	3°54	27°34	21°24	5° 3	5°47	6°57	0°D45	2°14	29°23	19°18	W25
T 26	20 17 6	3°41'04	18°10	19°39	19°31	4°32	27°33	21°22	5° 1	5°45	6°58	0°46	2°11	29°30	19°17	T 26
F 27	20 21 3	4°38'22	0 M .59	19°D38	20°36	5° 9	27°31	21°19	4°58	5°43	6°59	0°R46	2° 8	29°36	19°15	F 27
S 28	20 24 59	5°35'42	14°12	19°42	21°40	5°46	27°29	21°16	4°56	5°42	7° 1	0°46	2° 5	29°43	19°13	S 28
S 29	20 28 56	6°33'01	27°52	19°52	22°45	6°24	27°26	21°14	4°54	5°40	7° 2	0°44	2° 2	29°50	19°11	S 29
M30	20 32 52	7°30'21	12 × 0	20° 9	23°50	7° 1	27°24	21°12	4°51	5°38	7° 3	0°40	1°58	29°57	19° 9	M30
T 31	20 36 49	8 Ω 27'41	26 ₹ 35	20931	24 Ⅱ 55	7 m 39	27 米 21	21 🗷 9	4≈49	5 ≈ 37	7 9 5	0 ჲ 34	1 ≏ 55	0 Ω 3	19 ∺ 7	T 31

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S 1 M 2	23n 3 22 59		5 18n23 1 s5 1 18 6 2	53 15n40 3s14 9 15 53 3 14	-			19 s22 0 s37 19 22 0 37			1 s18 1 15	1 s24 16n 9 1 22 16 8	0n32 4n59 0 32 4 59
T 3 W 4	22 54 22 49	18 22 5 1	17 36 2 4		15 39 1 13	2 11 1 15	21 49 1 23	19 23 0 37 19 23 0 37	18 26 0 15	18 27 4 49	1 12 1 7	1 21 16 7 1 20 16 6	0 32 4 59 0 32 4 59
T 5 F 6 S 7	22 43 22 37 22 31		0 17 23 2 5 3 17 11 3 1 0 17 0 3 2	11 16 46 3 13	15 27 1 13 15 14 1 12 15 2 1 12	2 9 1 16	21 49 1 23	19 24 0 37 19 25 0 37 19 25 0 37		18 27 4 49	1 3 1 0 0 57	1 19 16 5 1 17 16 4 1 16 16 3	0 32 4 59 0 31 5 0 0 31 5 0
S 8 M 9	22 24	7 57 2 26	5 16 51 3 4	40 17 11 3 12	14 50 1 11	2 8 1 16	21 49 1 23	19 26 0 37	18 27 0 15	18 27 4 48	0 55 0 54	1 15 16 2 1 14 16 2	0 31 5 0 0 31 5 0
T 10 W11	22 17 22 9 22 1	0n45 0 2		6 17 36 3 11		2 8 1 17	21 49 1 23	19 27 0 37	18 28 0 15 18 28 0 15	18 27 4 48	0 53 0 53	1 14 16 2 1 12 16 1 1 11 16 0	0 31 5 1 0 31 5 1
T 12 F 13	21 53 21 44	8 48 2 14 12 7 3 11	1 16 27 4 2 1 16 25 4 3	27 18 0 3 9 36 18 12 3 7	13 59 1 10 13 46 1 9	2 7 1 18 2 7 1 18	21 49 1 22 21 48 1 22	19 28 0 37 19 29 0 37	18 29 0 15 18 29 0 15	18 27 4 48 18 27 4 48	0 53 0 53	1 10 15 59 1 8 15 58	0 30 5 1 0 30 5 1
S 15	-	16 48 4 32	16 26 4 4	49 18 35 3 4	13 33 1 9 13 20 1 8	2 7 1 19	21 48 1 22	19 30 0 37	18 30 0 15	18 27 4 48 18 27 4 48	0 51	1 7 15 57 1 6 15 56	0 30 5 1
M16 T 17 W18	21 16 21 6 20 55	18 23 5 2	2 16 32 4 5	56 18 57 3 1	13 6 1 8 12 53 1 8 12 40 1 7	2 8 1 19 2 8 1 19 2 8 1 19	21 48 1 22	19 31 0 38	18 31 0 15	18 27 4 48	0 45 0 41 0 36	1 5 15 55 1 3 15 54 1 2 15 53	0 29 5 2 0 29 5 2 0 29 5 2
T 19 F 20	20 44 20 33	16 43 4 40 14 48 4 10	16 43 4 5 16 51 4 5	57 19 17 2 57 54 19 27 2 55	12 26 1 7 12 13 1 6	2 9 1 20 2 9 1 20	21 48 1 21 21 48 1 21	19 32 0 38 19 33 0 38	18 32 0 15 18 32 0 15	18 27 4 48 18 27 4 48	0 31 0 27	1 1 15 52 1 0 15 51	0 28 5 2 0 28 5 2
S 21 S 22	20 21 20 10		0 16 59 4 5					19 33 0 38 19 34 0 38		18 26 4 48 18 26 4 48	0 23 0 20	0 58 15 50 0 57 15 49	0 27 5 3 0 27 5 3
M23 T 24	19 57 19 45	5 44 1 42 2 1 0 39	17 30 4 2	29 20 3 2 47	-	2 11 1 21 2 1 21 2 1 2 1 2 1	21 48 1 21		18 34 0 15	18 26 4 48	0 19 0 18	0 56 15 48 0 55 15 47	0 26 5 3 0 26 5 3
W25 T 26 F 27	19 32 19 19 19 5	1 s50 0n26 5 42 1 32 9 23 2 35	2 17 52 4	19 20 11 2 44 9 20 19 2 42 57 20 26 2 39	10 50 1 4		21 48 1 20	19 36 0 38	18 34 0 15 18 34 0 15 18 35 0 15	18 26 4 48	0 18 0 18 0 18	0 53 15 47 0 52 15 46 0 51 15 45	0 25 5 3 0 25 5 3 0 24 5 4
S 28 S 29	18 51	12 43 3 32	2 18 16 3 4	14 20 33 2 36		2 16 1 22	21 48 1 20	19 37 0 38	18 35 0 15 18 36 0 15	18 26 4 48	0 18 0 18	0 50 15 44 0 48 15 43	0 24 5 4 0 23 5 4
M30 T 31	18 23	17 24 4 51	18 40 3 1	17 20 46 2 31 2 20n51 2s28	9 53 1 2 9n39 1n 2	2 18 1 23	21 48 1 20	19 39 0 38	18 36 0 15		0 16 0 s14	0 47 15 42 0 s46 15n41	0 23 5 4 0n22 5n 4

 $\label{eq:Julian Day Number = 2511626.5, Delta T = 132.17 sec} \\ Ecliptic obliquity = 23°24'55, Nutation = 0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°02'20, Lahiri = 26°09'21 \\ \\$

AUGUST 2164 00:00 UT

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Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)f(卉	Р	v	Ω	Ç	o k	Day
W 1	20 40 45	9 Ω 25'02	11 る 33	2195 0	26耳 0	8 Mp 16	27°R18	21°R 7	4°R46	5°R35	7 9 5 6	0°R27	1 ≏ 52	$0\Omega 10$	19°R 5	W 1
T 2	20 44 42	10°22'24	26°45	21°34	27° 6	8°54	27 米 15	21 ~ 5	4≈44	5≈34	7° 7	0 ჲ 20	1°49	0°17	19 米 3	T 2
F 3	20 48 38	11°19'46	12≈ 2	22°15	28°11	9°31	27°12	21° 3	4°42	5°32	7° 8	0°13	1°46	0°23	19° 1	F 3
S 4	20 52 35	12°17'09	27°12	23° 2	29°17	10° 9	27° 9	21° 1	4°39	5°30	7°10	0° 8	1°43	0°30	18°59	S 4
S 5	20 56 32	13°14'33	12) 7	23°55	0ഇ23	10°46	27° 5	20°59	4°37	5°29	7°11	0° 4	1°39	0°37	18°57	S 5
M 6	21 0 28	14°11'58	26°38	24°54	1°29	11°24	27° 1	20°57	4°34	5°27	7°12	0°D 3	1°36	0°44	18°55	M 6
T 7	21 4 25	15° 9'24	10 Y 43	25°58	2°36	12° 1	26°58	20°56	4°32	5°25	7°13	0° 4	1°33	0°50	18°53	T 7
W 8	21 8 21	16° 6'52	24°20	27° 8	3°42	12°39	26°53	20°54	4°30	5°24	7°14	0° 5	1°30	0°57	18°50	W 8
T 9	21 12 18	17° 4'20	7 ႘ 30	28°24	4°49	13°17	26°49	20°52	4°27	5°22	7°16	0° 6	1°27	1° 4	18°48	T 9
F 10	21 16 14	18° 1'50	20°18	29°45	5°56	13°54	26°45	20°51	4°25	5°21	7°17	0°R 6	1°23	1°10	18°46	F 10
S 11	21 20 11	18°59'22	2∏46	1211	7° 3	14°32	26°40	20°50	4°23	5°19	7°18	0° 5	1°20	1°17	18°43	S 11
S 12	21 24 7	19°56'54	15° 0	2°41	8°10	15°10	26°35	20°48	4°21	5°18	7°19	0° 2	1°17	1°24	18°41	S 12
M13	21 28 4	20°54'29	27° 2	4°17	9°18	15°48	26°30	20°47	4°18	5°16	7°20	29 m 58	1°14	1°30	18°38	M13
T 14	21 32 1	21°52'04	8958	5°56	10°25	16°25	26°25	20°46	4°16	5°14	7°21	29°52	1°11	1°37	18°36	T 14
W15	21 35 57	22°49'41	20°50	7°39	11°33	17° 3	26°20	20°45	4°14	5°13	7°22	29°46	1° 8	1°44	18°34	W15
T 16	21 39 54	23°47'19	2 Ω 41	9°26	12°41	17°41	26°14	20°44	4°12	5°11	7°23	29°39	1° 4	1°51	18°31	T 16
F 17	21 43 50	24°44'58	14°32	11°16	13°49	18°19	26° 9	20°44	4° 9	5°10	7°25	29°33	1° 1	1°57	18°28	F 17
S 18	21 47 47	25°42'38	26°27	13° 8	14°57	18°57	26° 3	20°43	4° 7	5° 8	7°26	29°28	0°58	2° 4	18°26	S 18
S 19	21 51 43	26°40'20	8 m 26	15° 3	16° 5	19°35	25°57	20°42	4° 5	5° 7	7°27	29°24	0°55	2°11	18°23	S 19
M20	21 55 40	27°38'03	20°32	16°59	17°14	20°13	25°51	20°42	4° 3	5° 5	7°28	29°22	0°52	2°17	18°21	M20
T 21	21 59 36	28°35'47	2 <u>₽</u> 46	18°57	18°22	20°51	25°45	20°41	4° 1	5° 4	7°29	29°D22	0°48	2°24	18°18	T 21
W22	22 3 33	29°33'32	15°12	20°57	19°31	21°29	25°39	20°41	3°59	5° 2	7°30	29°23	0°45	2°31	18°15	W22
T 23	22 7 30	0 m /31'19	27°50	22°57	20°40	22° 7	25°32	20°41	3°57	5° 1	7°31	29°24	0°42	2°37	18°13	T 23
F 24	22 11 26	1°29'07	10 M .45	24°57	21°48	22°46	25°26	20°41	3°54	5° 0	7°31	29°26	0°39	2°44	18°10	F 24
S 25	22 15 23	2°26'55	23°59	26°58	22°57	23°24	25°19	20°D41	3°52	4°58	7°32	29°27	0°36	2°51	18° 7	S 25
S 26	22 19 19	3°24'45	7 . ₹35	28°58	24° 7	24° 2	25°12	20°41	3°50	4°57	7°33	29°R27	0°33	2°58	18° 5	S 26
M27	22 23 16	4°22'37	21°34	0 m 58	25°16	24°40	25° 5	20°41	3°49	4°55	7°34	29°26	0°29	3° 4	18° 2	M27
T 28	22 27 12	5°20'29	5 る 54	2°58	26°25	25°18	24°58	20°41	3°47	4°54	7°35	29°24	0°26	3°11	17°59	T 28
W29	22 31 9	6°18'23	20°34	4°57	27°35	25°57	24°51	20°42	3°45	4°53	7°36	29°22	0°23	3°18	17°56	W29
T 30	22 35 5	7°16'18	5≈29	6°55	28°44	26°35	24°44	20°42	3°43	4°51	7°37	29°19	0°20	3°24	17°53	T 30
F 31	22 39 2	8 m y 14'14	20≈30	8 m 52	29954	27 m 13	24) 37	20 ∡ 43	3≈41	4≈50	7938	29 m 16	0 ჲ 17	3 Ω 31	17 米 51	F 31

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	decl	decl lat	decl	lat decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl la	ıt	decl lat	decl	decl	decl	decl	lat
W 1			1 19n 2			9n24 1n 1	2 s 2 1		21 s48		19 s40				18n26 4s48		0 s45		0n21	5n 4
T 2 F 3	17 37 17 22		35 19 12 49 19 21	2 31 21 1 2 16 21 5		9 10 1 1 8 56 1 0	2 22 2 24	1 24	21 48 21 48		19 40 19 41	0 38			18 26 4 48 18 26 4 48		0 43 0 42		0 21 0 20	5 4
S 4	17 6		48 19 29	2 0 21 9	-	8 41 1 0			21 48		19 41	0 38			18 26 4 48		-		0 19	5 5
S 5	16 50	5 32 1 3	35 19 35	1 44 21 12	2 13	8 26 0 59	2 27	1 25	21 48	1 18	19 42	0 38	18 38	0 15 1	18 25 4 48	0 2	0 39	15 36	0 18	5 5
M 6	16 33	1 3 0		1 29 21 15	-	8 12 0 59	-	1 25			19 43				18 25 4 48		0 38		0 18	5 5
T 7	16 16	3n21 0s:		1 13 21 17		7 57 0 59		1 25			19 43				18 25 4 48		0 37		0 17	5 5
W 8	15 59	7 27 2	8 19 46	0 58 21 19		7 42 0 58		1 25			19 44			-	18 25 4 48		0 36		0 16	5 5
T 9 F 10	15 42	_	9 19 46	0 43 21 20		7 27 0 58			21 49		19 44 19 45				18 25 4 48			15 32	0 15	5 5
S 11			59 19 43 36 19 39	0 28 21 21 0 14 21 21		7 12 0 57 6 57 0 57			21 49 21 49		19 45				18 25 4 48 18 25 4 48			15 31 15 30	0 15 0 14	5 5 5
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S 12	,	- , - , -	0 19 31	0 1 21 21	-	6 42 0 56			21 49		19 46		-	0 15 1				15 29	0 13	5 5
M13	14 31		10 19 22	0n12 21 20	-	6 27 0 56	-	1 27			19 46		-		18 25 4 48		0 29		0 12	5 6
T 14		-	6 19 10	0 24 21 18		6 12 0 55		1 27			19 47	0 38			18 25 4 48		0 28		0 11	5 6
W15				0 36 21 16		5 57 0 55		1 27			19 47	0 38	-		18 25 4 48		0 27	15 26	0 10	5 6
T 16	13 35			0 46 21 14		5 42 0 55		1 27							18 25 4 48		0 26		0 9	5 6
F 17	13 16			0 56 21 11	-	5 27 0 54		1 28							18 24 4 48		-	15 24	0 8	5 6
S 18	12 56	10 1 2 :	50 17 54	1 5 21 7	1 28	5 11 0 54	2 55	1 28	21 50	1 16	19 49	0 38	18 44	0 15 1	18 24 4 48	0 13	0 23	15 23	0 7	5 6
S 19	12 37	6 40 1 :	52 17 28	1 13 21 3	1 25	4 56 0 53	2 57	1 28	21 50	1 16	19 50	0 38	18 44	0 15 1	18 24 4 48	0 14	0 22	15 22	0 6	5 6
M20	12 17	3 0 0	48 17 0	1 20 20 58	1 21	4 41 0 53	3 0	1 28	21 50	1 16	19 50	0 38		0 15 1	18 24 4 49	0 15	0 21	15 21	0 5	5 6
T 21	11 57		19 16 30	1 26 20 53		4 25 0 52		1 29			19 50				18 24 4 49			15 20	0 5	5 6
W22	11 37	-	26 15 57	1 32 20 47		4 10 0 52		1 29			19 51	0 38			18 24 4 49				0 4	5 6
T 23	11 17	8 22 2 3		1 36 20 41	-	3 55 0 51		1 29			19 51	0 38		-	18 24 4 49		0 17		0 2	5 6
F 24		_		1 40 20 34		3 39 0 51	_	1 29			19 52				18 24 4 49		0 15		0 1	5 6
S 25	10 36	14 36 4	16 14 7	1 42 20 26	1 3	3 24 0 50	3 14	1 29	21 51	1 15	19 52	0 38	18 46	0 15 1	18 24 4 49	0 13	0 14	15 16	0 0	5 6
S 26	10 15	16 45 4 :	52 13 27	1 44 20 18	0 59	3 8 0 50	3 16	1 29	21 51	1 14	19 53	0 38	18 46	0 15 1	18 24 4 49	0 13	0 13	15 15	0 s 1	5 6
M27		17 58 5	-	1 46 20 9		2 52 0 50			21 51		19 53				18 24 4 49			15 14	0 2	5 6
T 28	9 33		12 12 3	1 46 20 0		2 37 0 49			21 51		19 54				18 24 4 49			15 13	0 3	5 6
W29	9 11		53 11 20	1 46 19 51		2 21 0 49			21 52		19 54				18 23 4 49		0 9		0 4	5 6
T 30		-	14 10 35	1 45 19 40		2 6 0 48			21 52		19 55			-	18 23 4 49		0 8		0 5	5 6
F 31	8n28	11 s31 3n	118 9n50	1n43 19n29	0s41	1n50 0n48	3 s 3 1	1 s30	21 s52	1n14	19 s55	0s37	18 s48	0n15 1	18n23 4s49	0n17	0 s 7	15n 9	0s 6	5n 6

Julian Day Number = 2511657.5, Delta T = 132.23 sec Ecliptic obliquity = $23^{\circ}24'55$, Nutation = $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'24$, Lahiri = $26^{\circ}09'25$

SEPTEMBER 2164 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)મ(Ť	Р	v	v	Ç	Ŗ	Day
S 1	22 42 59	9 m 12'11	5 ∺ 30	10 m 48	1 0 4	27 m 52	24°R29	20 х 44	3°R39	4°R49	7938	29°R14	0 ჲ 14	3 N 38	17°R48	S 1
S 2	22 46 55	10°10'11	20°18	12°43	2°14	28°30	24) 22	20°44	3≈37	4≈48	7°39	29 m 13	0°10	3°44	17) (45	S 2
M 3	22 50 52	11° 8'11	4 Υ 49	14°37	3°24	29° 9	24°14	20°45	3°36	4°46	7°40	29°D13	0° 7	3°51	17°42	M 3
T 4	22 54 48	12° 6'14	18°57	16°30	4°34	29°47	24° 7	20°46	3°34	4°45	7°41	29°14	0° 4	3°58	17°39	T 4
W 5	22 58 45	13° 4'18	2840	18°22	5°44	0 ჲ 26	23°59	20°47	3°32	4°44	7°41	29°15	0° 1	4° 5	17°36	W 5
T 6	23 2 41	14° 2'25	15°56	20°12	6°55	1° 4	23°51	20°48	3°31	4°43	7°42	29°16	29 m 58	4°11	17°34	T 6
F 7	23 6 38	15° 0'33	28°49	22° 2	8° 5	1°43	23°44	20°50	3°29	4°42	7°43	29°17	29°54	4°18	17°31	F 7
S 8	23 10 34	15°58'43	11 II 20	23°50	9°16	2°22	23°36	20°51	3°27	4°41	7°44	29°R18	29°51	4°25	17°28	S 8
S 9	23 14 31	16°56'55	23°35	25°37	10°27	3° 0	23°28	20°52	3°26	4°39	7°44	29°17	29°48	4°31	17°25	S 9
M10	23 18 27	17°55'10	5938	27°22	11°37	3°39	23°20	20°54	3°24	4°38	7°45	29°17	29°45	4°38	17°22	M10
T 11	23 22 24	18°53'26	17°33	29° 7	12°48	4°18	23°12	20°56	3°23	4°37	7°45	29°16	29°42	4°45	17°19	T 11
W12	23 26 21	19°51'44	29°24	0 ჲ 50	13°59	4°57	23° 4	20°57	3°21	4°36	7°46	29°15	29°39	4°51	17°16	W12
T 13	23 30 17	20°50'04	11 Ω 15	2°33	15°10	5°35	22°56	20°59	3°20	4°35	7°47	29°13	29°35	4°58	17°14	T 13
F 14	23 34 14	21°48'27	23° 9	4°14	16°22	6°14	22°48	21° 1	3°19	4°34	7°47	29°12	29°32	5° 5	17°11	F 14
S 15	23 38 10	22°46'51	5 Mp 10	5°54	17°33	6°53	22°40	21° 3	3°17	4°33	7°48	29°11	29°29	5°12	17° 8	S 15
S 16	23 42 7	23°45'17	17°19	7°33	18°44	7°32	22°32	21° 5	3°16	4°32	7°48	29°11	29°26	5°18	17° 5	S 16
M17	23 46 3	24°43'45	29°38	9°10	19°56	8°11	22°24	21° 7	3°15	4°31	7°49	29°D11	29°23	5°25	17° 2	M17
T 18	23 50 0	25°42'14	12 º 8	10°47	21° 7	8°50	22°16	21°10	3°14	4°31	7°49	29°11	29°19	5°32	16°59	T 18
W19	23 53 56	26°40'46	24°51	12°23	22°19	9°29	22° 8	21°12	3°13	4°30	7°49	29°11	29°16	5°38	16°56	W19
T 20	23 57 53	27°39'19	7 M .47	13°57	23°31	10° 8	22° 1	21°15	3°12	4°29	7°50	29°11	29°13	5°45	16°54	T 20
F 21	0 1 50	28°37'54	20°58	15°31	24°43	10°47	21°53	21°17	3°11	4°28	7°50	29°12	29°10	5°52	16°51	F 21
S 22	0 5 46	29°36'31	4 ₹ 23	17° 4	25°55	11°26	21°45	21°20	3°10	4°27	7°51	29°R12	29° 7	5°58	16°48	S 22
S 23	0 9 43	0 △ 35'09	18° 3	18°35	27° 7	12° 6	21°37	21°23	3° 9	4°27	7°51	29°11	29° 4	6° 5	16°45	S 23
M24	0 13 39	1°33'49	1 る 58	20° 6	28°19	12°45	21°29	21°25	3°8	4°26	7°51	29°D11	29° 0	6°12	16°43	M24
T 25	0 17 36	2°32'31	16° 7	21°35	29°31	13°24	21°22	21°28	3° 7	4°25	7°52	29°12	28°57	6°18	16°40	T 25
W26	0 21 32	3°31'15	0≈29	23° 4	0 m 43	14° 3	21°14	21°31	3° 6	4°25	7°52	29°12	28°54	6°25	16°37	W26
T 27	0 25 29	4°30'00	14°59	24°31	1°55	14°43	21° 6	21°34	3° 5	4°24	7°52	29°12	28°51	6°32	16°34	T 27
F 28	0 29 25	5°28'46	29°35	25°58	3° 8	15°22	20°59	21°38	3° 5	4°23	7°52	29°13	28°48	6°39	16°32	F 28
S 29	0 33 22	6°27'35	14) 11	27°23	4°20	16° 2	20°51	21°41	3° 4	4°23	7°53	29°13	28°45	6°45	16°29	S 29
S 30	0 37 19	7 ₽ 26'25	28) 40	28 ≏ 47	5 m 33	16 ≏ 41	20) 44	21 × 744	3≈ 3	4≈22	7953	29°R13	28 M 41	6 Ω 52	16 ∺ 27	S 30

Day	0	D	ğ	φ	♂	4	ħ)Å(并	Р	v	ນ ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1	8n 7	7s31 2n 7	9n 4 1n4	1 19n18 0s37	1n34 0n47	3 s34 1 s30	21 s52 1n13	19 s55 0 s37	18 s48 0n15	18n23 4s49	0n18	0s 5 15n 8	0s 7 5n 6
S 2	7 45	3 5 0 49	8 18 1 39	9 19 6 0 33	1 18 0 47	3 37 1 31	21 53 1 13	19 56 0 37	18 49 0 15	18 23 4 49	0 19	0 4 15 7	0 8 5 6
M 3	7 23	1n26 0s31	7 31 1 35		1 3 0 46	3 40 1 31					0 19	0 3 15 6	0 9 5 6
T 4	7 1	5 46 1 47	6 44 1 32		0 47 0 46	3 44 1 31		19 57 0 37			0 18	0 2 15 5	0 10 5 6
W 5	6 39	9 39 2 55	5 57 1 28		0 31 0 45	3 47 1 31		19 57 0 37		18 23 4 49	0 18	0 0 15 4	0 12 5 6
T 6		12 55 3 51	5 9 1 23		0 16 0 45	3 50 1 31		19 57 0 37			0 17	0n 1 15 3	0 13 5 6
F 7 S 8		15 26 4 33 17 9 5 1	4 22 1 19		0s 0 0 44 0 16 0 44	3 53 1 31		19 58 0 37 19 58 0 37			0 17 0 17	0 2 15 2 0 3 15 1	0 14 5 6
	3 31	17 9 5 1	3 34 1 1.	3 17 44 0 12	0 16 0 44	3 56 1 31	21 54 1 12	19 38 0 37	18 51 0 14	18 23 4 49	0 17	0 3 15 1	0 15 5 6
S 9	5 9	18 1 5 15		8 17 28 0 8	0 32 0 43	3 59 1 31			18 51 0 14		0 17	0 5 15 0	0 16 5 6
M10	-	18 3 5 15	-	2 17 12 0 5	0 48 0 43	4 3 1 31					0 17	0 6 14 59	0 17 5 6
T 11	-	17 18 5 1	1 13 0 50		1 3 0 42	4 6 1 32					0 18	0 7 14 58	0 19 5 6
W12		15 47 4 34	0 26 0 50		1 19 0 42	4 9 1 32					0 18	0 9 14 57	0 20 5 6
T 13 F 14		13 36 3 56 10 51 3 7	0s20 0 44 1 7 0 3		1 35 0 41 1 51 0 41	4 12 1 32 4 15 1 32					0 19	0 10 14 56 0 11 14 55	0 21 5 5 0 22 5 5
S 15	3 15 2 52	10 51 3 7 7 36 2 9			1 51 0 41 2 7 0 40	-	21 56 1 11 21 56 1 11				0 19 0 19	0 11 14 55 0 12 14 53	0 22 5 5 0 23 5 5
S 16	2 29	4 0 1 5	2 38 0 23		2 23 0 40	_	21 57 1 10				0 19	0 14 14 52	0 24 5 5
M17	2 6	0 11 0n 2	3 23 0 10		2 38 0 39		21 57 1 10				0 20	0 15 14 51	0 26 5 5
T 18 W19	1 42 1 19	3 s42 1 11 7 29 2 18	. ,	9 14 47 0 21 2 14 26 0 24	2 54 0 39 3 10 0 38	4 28 1 32 4 31 1 32					0 19 0 19	0 16 14 50	0 27 5 5 0 28 5 5
T 20	-	10 58 3 18	4 51 0 2 5 35 0s 3		3 10 0 38 3 26 0 38	4 31 1 32 4 34 1 32					0 19	0 17 14 49 0 19 14 48	0 28 5 5 0 29 5 5
F 21		13 58 4 10	6 18 0 13		3 41 0 37	4 34 1 32					0 19	0 19 14 48	0 30 5 5
S 22		16 16 4 48	7 1 0 20		3 57 0 37	4 41 1 32					0 19	0 21 14 46	0 32 5 5
			, -										
S 23 M24	0 s14 0 37	17 42 5 11 18 7 5 17	7 42 0 28 8 24 0 33		4 13 0 36 4 29 0 36	4 44 1 32 4 47 1 32					0 19	0 22 14 45 0 24 14 44	0 33 5 4 0 34 5 4
T 25		17 25 5 4	9 4 0 43		4 29 0 36 4 44 0 35	4 47 1 32 4 50 1 32					0 19	0 24 14 44 0 25 14 43	0 34 5 4
W26		15 36 4 31	9 44 0 43		5 0 0 35	4 50 1 32				18 21 4 50	0 19	0 25 14 45 0 26 14 41	0 35 5 4
T 27			10 24 0 58		5 16 0 34	4 56 1 32				18 21 4 50	0 19	0 20 14 41	0 38 5 4
F 28	2 10	9 9 2 37		6 11 7 0 50	5 31 0 34	4 59 1 32			18 55 0 14		0 19	0 29 14 39	0 39 5 4
S 29	2 34		11 40 1 13		5 47 0 33	5 2 1 32		20 3 0 37		18 21 4 51	0 19	0 30 14 38	0 40 5 3
S 30	2 s57	0 s29 0n 3	12 s17 1 s2	1 10n19 0n55	6s 3 0n33	5 s 4 1 s 3 2	22 s 2 ln 8	20s 3 0s37	18s55 0n14	18n21 4s51	0n19	0n31 14n37	0s41 5n 3

Julian Day Number = 2511688.5, Delta T = 132.30 sec Ecliptic obliquity = 23°24'55, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'29$, Lahiri = $26^{\circ}09'29$

OCTOBER 2164 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ)ţ(,	Р	R	Ω	Ç	ķ	Day
M 1	0 41 15	8 ≏ 25'17	12 Y 57	0 M .11	6 m)45	17 ₽ 20	20°R37	21 × ⁷ 48	3°R 3	4°R22	7 9 53	29°R13	28 m) 38	6 Ω 59	16°R24	M 1
T 2	0 45 12	9°24'11	26°57	1°33	7°58	18° 0	20 X 30	21°51	3≈ 2	4≈21	7°53	29 m 12	28°35	7° 5	16 H 21	T 2
W 3	0 49 8	10°23'08	10836	2°54	9°11	18°40	20°23	21°55	3° 2	4°21	7°53	29°11	28°32	7°12	16°19	W 3
T 4	0 53 5	11°22'06	23°54	4°13	10°24	19°19	20°16	21°59	3° 1	4°21	7°53	29°10	28°29	7°19	16°16	T 4
F 5	0 57 1	12°21'07	6 Ⅱ 49	5°32	11°37	19°59	20° 9	22° 2	3° 1	4°20	7°53	29° 8	28°25	7°25	16°14	F 5
S 6	1 0 58	13°20'10	19°24	6°49	12°50	20°38	20° 2	22° 6	3° 1	4°20	7°53	29° 6	28°22	7°32	16°11	S 6
S 7	1 4 54	14°19'16	19541	8° 5	14° 3	21°18	19°56	22°10	3° 0	4°20	7°53	29° 5	28°19	7°39	16° 9	S 7
M 8	1 8 5 1	15°18'23	13°45	9°19	15°16	21°58	19°49	22°14	3° 0	4°19	7°R53	29°D 5	28°16	7°45	16° 6	M 8
T 9	1 12 47	16°17'33	25°40	10°32	16°29	22°38	19°43	22°18	3° 0	4°19	7°53	29° 5	28°13	7°52	16° 4	T 9
W10	1 16 44	17°16'45	7 Ω 31	11°43	17°42	23°18	19°37	22°22	3° 0	4°19	7°53	29° 6	28°10	7°59	16° 2	W10
T 11	1 20 41	18°16'00	19°23	12°52	18°56	23°57	19°30	22°27	3° 0	4°19	7°53	29° 8	28° 6	8° 6	15°59	T 11
F 12	1 24 37	19°15'17	1 m 20	14° 0	20° 9	24°37	19°24	22°31	3°D 0	4°18	7°53	29° 9	28° 3	8°12	15°57	F 12
S 13	1 28 34	20°14'36	13°26	15° 5	21°22	25°17	19°19	22°35	3° 0	4°18	7°53	29°11	28° 0	8°19	15°55	S 13
S 14	1 32 30	21°13'57	25°44	16° 8	22°36	25°57	19°13	22°40	3° 0	4°18	7°53	29°R11	27°57	8°26	15°53	S 14
M15	1 36 27	22°13'20	8 ≏ 17	17° 9	23°50	26°37	19° 8	22°44	3° 0	4°18	7°53	29°11	27°54	8°32	15°51	M15
T 16	1 40 23	23°12'45	21° 6	18° 7	25° 3	27°18	19° 2	22°49	3° 0	4°D18	7°53	29°10	27°51	8°39	15°48	T 16
W17	1 44 20	24°12'12	4 M J11	19° 2	26°17	27°58	18°57	22°54	3° 0	4°18	7°52	29° 7	27°47	8°46	15°46	W17
T 18	1 48 16	25°11'42	17°32	19°53	27°31	28°38	18°52	22°58	3° 0	4°18	7°52	29° 3	27°44	8°52	15°44	T 18
F 19	1 52 13	26°11'13	1 才 7	20°42	28°44	29°18	18°47	23° 3	3° 1	4°18	7°52	28°59	27°41	8°59	15°42	F 19
S 20	1 56 10	27°10'46	14°54	21°26	29°58	29°58	18°42	23° 8	3° 1	4°19	7°52	28°55	27°38	9° 6	15°40	S 20
S 21	2 0 6	28°10'21	28°50	22° 6	1 ≏ 12	0 M 39	18°38	23°13	3° 2	4°19	7°51	28°51	27°35	9°12	15°39	S 21
M22	2 4 3	29° 9'58	12 る 53	22°41	2°26	1°19	18°34	23°18	3° 2	4°19	7°51	28°49	27°31	9°19	15°37	M22
T 23	2 7 59	OM 9'37	27° 0	23°11	3°40	1°59	18°30	23°23	3° 3	4°19	7°51	28°D48	27°28	9°26	15°35	T 23
W24	2 11 56	1° 9'17	11≈11	23°35	4°54	2°40	18°26	23°28	3° 3	4°19	7°50	28°48	27°25	9°33	15°33	W24
T 25	2 15 52	2° 8'58	25°22	23°53	6° 8	3°20	18°22	23°34	3° 4	4°20	7°50	28°49	27°22	9°39	15°31	T 25
F 26	2 19 49	3° 8'42	9) (33	24° 4	7°22	4° 1	18°18	23°39	3° 5	4°20	7°49	28°51	27°19	9°46	15°30	F 26
S 27	2 23 45	4° 8'27	23°40	24°R 8	8°37	4°41	18°15	23°44	3° 5	4°20	7°49	28°R52	27°16	9°53	15°28	S 27
S 28	2 27 42	5° 8'14	7 ℃ 42	24° 3	9°51	5°22	18°12	23°50	3° 6	4°21	7°49	28°52	27°12	9°59	15°26	S 28
M29	2 31 39	6° 8'02	21°34	23°50	11° 5	6° 3	18° 9	23°55	3° 7	4°21	7°48	28°50	27° 9	10° 6	15°25	M29
T 30	2 35 35	7° 7'53	5815	23°28	12°19	6°43	18° 6	24° 1	3° 8	4°22	7°48	28°46	27° 6	10°13	15°23	T 30
W31	2 39 32	8M 7'45	18 8 41	22 M 57	13 ≏ 34	7 ™ 24	18 ∺ 3	24 ₹ 6	3≈ 9	4≈22	79547	28 Mp 40	27 Mg 3	10 Ω 19	15 ∺ 22	W31

Day	0	D	ğ	φ	ď	4	ħ)∤(并	Р	n	υ ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
M 1	3 s20		5 12 s 54 1 s 28		6s18 0n32	5s 7 1s32		20s 3 0s37		-	0n19	0n33 14n36	0s42 5n 3
T 2 W 3	3 43	8 5 2 28			6 34 0 32	5 10 1 32			18 56 0 14		0 19	0 34 14 35	0 43 5 3
T 4	4 6 4 30	11 40 3 30 14 33 4 19		-	6 49 0 31 7 5 0 31	5 13 1 31 5 15 1 31		20 4 0 37 20 4 0 37			0 19	0 35 14 34 0 36 14 32	0 45 5 3 0 46 5 3
F 5		16 37 4 53			7 20 0 31						0 20	0 38 14 31	0 40 5 5
S 6			2 15 43 2 3		7 36 0 30			20 4 0 37			0 21	0 39 14 30	0 48 5 2
S 7	5 38	18 8 5 16	6 16 14 2 10	7 21 1 10	7 51 0 29	5 23 1 31	22 4 1 7	20 4 0 37	18 56 0 14	18 20 4 51	0 22	0 40 14 29	0 49 5 2
M 8	6 1	17 38 5 6	6 16 44 2 16	6 55 1 12	8 6 0 29	5 25 1 31	22 5 1 7	20 4 0 37	18 56 0 14	18 20 4 51	0 22	0 41 14 28	0 50 5 2
T 9	6 24	16 21 4 43	3 17 13 2 23	6 28 1 14	8 21 0 28	5 28 1 31	22 5 1 6	20 4 0 37	18 56 0 14	18 20 4 51	0 22	0 43 14 27	0 51 5 1
W10	6 47	14 22 4 8	8 17 41 2 29	6 1 1 16	8 37 0 28	5 30 1 31	22 6 1 6	20 4 0 37	18 56 0 14	18 20 4 51	0 21	0 44 14 26	0 52 5 1
T 11		11 47 3 22			8 52 0 27	5 32 1 31					0 21	0 45 14 25	0 54 5 1
F 12	7 32	8 41 2 28			9 7 0 27	5 35 1 30	-				0 20	0 46 14 23	0 55 5 1
S 13	7 54	5 11 1 26	5 18 58 2 45	4 39 1 21	9 22 0 26	5 37 1 30	22 7 1 6	20 4 0 37	18 56 0 14	18 20 4 51	0 20	0 48 14 22	0 56 5 1
S 14	8 16		9 19 21 2 50		9 37 0 26					18 20 4 51	0 19	0 49 14 21	0 57 5 0
M15	8 39	2 s31 0n50			9 52 0 25	5 41 1 30			18 56 0 14		0 19	0 50 14 20	0 58 5 0
T 16	9 1	6 24 1 58			0 25	5 43 1 30			18 56 0 14		0 20	0 51 14 19	0 59 5 0
W17	9 23	10 4 3 1	20 22 3 2		0 22 0 24	5 45 1 30					0 21	0 53 14 18	1 0 5 0
T 18		13 17 3 55			0 37 0 23	5 46 1 30					0 23	0 54 14 17	1 1 4 59
F 19		15 50 4 37			0 51 0 23	5 48 1 29					0 24	0 55 14 15	1 2 4 59
S 20	10 27		1 21 8 3 9		1 6 0 22	5 50 1 29					0 26	0 56 14 14	1 3 4 59
S 21		18 12 5 13			1 21 0 22	5 51 1 29	-				0 27	0 58 14 13	1 4 4 59
M22			1 21 29 3 10		1 35 0 21	5 53 1 29	1				0 28	0 59 14 12	1 5 4 58
T 23 W24	_	16 13 4 36 13 41 3 52			1 50 0 21 12 4 0 20	5 54 1 29 5 56 1 29					0 29	1 0 14 11 1 2 14 10	1 6 4 58 1 7 4 58
T 25	-		2 21 41 3 8 3 21 43 3 6		2 4 0 20 2 18 0 20						0 29	1 2 14 10 1 3 14 8	1 7 4 58 1 8 4 57
F 26	12 12	6 23 1 44		-	2 33 0 19	5 58 1 28					0 28	1 3 14 8	1 9 4 57
S 27	12 53		3 21 39 2 57	1 57 1 35 1			22 12 1 4			18 19 4 52	0 27	1 5 14 6	. 1 . 11
S 28	13 13	2n19 0s48	3 21 31 2 51	2 26 1 36 1	3 1 0 18	6 1 1 28	22 13 1 4	20 2 0 36	18 56 0 14	18 19 4 52	0 27	1 7 14 5	1 10 4 57
M29	13 33	6 32 2 1	1 21 21 2 43	2 54 1 36 1	3 15 0 18	6 2 1 28	22 13 1 3	20 2 0 36	18 56 0 13	18 19 4 52	0 28	1 8 14 4	1 11 4 56
T 30	13 53	10 21 3 5	5 21 6 2 33	3 23 1 37 1	3 29 0 17	6 2 1 27	22 14 1 3	20 1 0 36	18 56 0 13	18 19 4 52	0 29	1 9 14 3	1 12 4 56
W31	14 s12	13n33 3s58	3 20 s47 2 s22	3 s 5 2 1 n 3 7 1	3 s43 0n16	6s 3 1s27	22 s14 1n 3	20 s 1 0 s 36	18s56 0n13	18n19 4s52	0n32	1n10 14n 1	1s13 4n56

Julian Day Number = 2511718.5, Delta T = 132.36 sec Ecliptic obliquity = 23°24'56, Nutation = -0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°02'33, Lahiri = 26°09'33

NOVEMBER 2164 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)វ(卉	Р	ß	Ω	Ç	ę,	Day
T 1	2 43 28	9 11 7'39	1Д50	22°R17	14 <u>₽</u> 48	8M 5	18°R 1	24 × 12	3≈10	4≈23	7°R47	28°R33	27 mg 0	10₽26	15°R21	T 1
F 2	2 47 25	10° 7'36	14°41	21 M 27	16° 3	8°46	17 米 59	24°17	3°11	4°23	79546	28 Mp 26	26°56	10°33	15 米 19	F 2
S 3	2 51 21	11° 7'34	27°15	20°29	17°17	9°26	17°57	24°23	3°12	4°24	7°45	28°19	26°53	10°39	15°18	S 3
S 4	2 55 18	12° 7'35	9932	19°23	18°32	10° 7	17°55	24°29	3°13	4°24	7°45	28°13	26°50	10°46	15°17	S 4
M 5	2 59 14	13° 7'38	21°36	18°12	19°46	10°48	17°53	24°35	3°14	4°25	7°44	28° 8	26°47	10°53	15°16	M 5
T 6	3 3 11	14° 7'42	3 Ω 31	16°55	21° 1	11°29	17°52	24°41	3°15	4°26	7°44	28° 6	26°44	10°59	15°15	T 6
W 7	3 7 8	15° 7'49	15°22	15°37	22°15	12°10	17°50	24°47	3°17	4°27	7°43	28°D 5	26°41	11° 6	15°13	W 7
T 8	3 11 4	16° 7'58	27°12	14°19	23°30	12°51	17°49	24°53	3°18	4°27	7°42	28° 5	26°37	11°13	15°12	T 8
F 9	3 15 1	17° 8'09	9 m , 9	13° 3	24°45	13°32	17°49	24°59	3°19	4°28	7°42	28° 7	26°34	11°19	15°11	F 9
S 10	3 18 57	18° 8'22	21°17	11°53	26° 0	14°14	17°48	25° 5	3°21	4°29	7°41	28° 8	26°31	11°26	15°11	S 10
S 11	3 22 54	19° 8'37	3 ≏ 40	10°50	27°14	14°55	17°48	25°11	3°22	4°30	7°40	28°R 8	26°28	11°33	15°10	S 11
M12	3 26 50	20° 8'53	16°22	9°56	28°29	15°36	17°D47	25°17	3°24	4°31	7°39	28° 6	26°25	11°40	15° 9	M12
T 13	3 30 47	21° 9'12	29°25	9°12	29°44	16°17	17°48	25°23	3°25	4°32	7°39	28° 2	26°22	11°46	15° 8	T 13
W14	3 34 43	22° 9'33	12 M 51	8°40	OM 59	16°59	17°48	25°30	3°27	4°33	7°38	27°56	26°18	11°53	15° 8	W14
T 15	3 38 40	23° 9'55	26°37	8°19	2°14	17°40	17°48	25°36	3°29	4°34	7°37	27°47	26°15	12° 0	15° 7	T 15
F 16	3 42 36	24°10'19	10 ₮ 40	8°D10	3°29	18°21	17°49	25°42	3°30	4°35	7°36	27°38	26°12	12° 6	15° 6	F 16
S 17	3 46 33	25°10'45	24°56	8°13	4°44	19° 3	17°50	25°49	3°32	4°36	7°35	27°28	26° 9	12°13	15° 6	S 17
S 18	3 50 30	26°11'12	9 ට 18	8°26	5°59	19°44	17°51	25°55	3°34	4°37	7°35	27°19	26° 6	12°20	15° 5	S 18
M19	3 54 26	27°11'40	23°40	8°49	7°14	20°26	17°52	26° 2	3°36	4°38	7°34	27°13	26° 2	12°26	15° 5	M19
T 20	3 58 23	28°12'10	8≈ 0	9°21	8°29	21° 8	17°53	26° 8	3°38	4°39	7°33	27° 9	25°59	12°33	15° 5	T 20
W21	4 2 19	29°12'41	22°12	10° 1	9°44	21°49	17°55	26°15	3°40	4°40	7°32	27° 7	25°56	12°40	15° 4	W21
T 22	4 6 16	0 ₮ 13'13	6 ∺ 16	10°48	10°59	22°31	17°57	26°21	3°42	4°41	7°31	27°D 7	25°53	12°46	15° 4	T 22
F 23	4 10 12	1°13'46	20°10	11°42	12°14	23°13	17°59	26°28	3°44	4°43	7°30	27°R 7	25°50	12°53	15° 4	F 23
S 24	4 14 9	2°14'20	3 Ƴ 56	12°42	13°29	23°54	18° 1	26°35	3°46	4°44	7°29	27° 7	25°47	13° 0	15° 4	S 24
S 25	4 18 6	3°14'56	17°32	13°46	14°44	24°36	18° 4	26°41	3°48	4°45	7°28	27° 6	25°43	13° 6	15°D 4	S 25
M26	4 22 2	4°15'33	0 8 58	14°55	15°59	25°18	18° 6	26°48	3°50	4°46	7°27	27° 1	25°40	13°13	15° 4	M26
T 27	4 25 59	5°16'11	14°15	16° 7	17°14	26° 0	18° 9	26°55	3°52	4°48	7°26	26°54	25°37	13°20	15° 4	T 27
W28	4 29 55	6°16'50	27°20	17°23	18°29	26°42	18°12	27° 1	3°54	4°49	7°25	26°44	25°34	13°26	15° 4	W28
T 29	4 33 52	7°17'31	10 Ⅲ 12	18°41	19°45	27°24	18°16	27° 8	3°57	4°51	7°24	26°32	25°31	13°33	15° 4	T 29
F 30	4 37 48	8 ₮ 18'13	22 II 52	20 M 1	21M 0	28 M 6	18 米 19	27 × 15	3≈59	4≈52	7 9523	26 m 19	25 m 28	13 Ω 40	15 ¥ 5	F 30

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S 4 M 5 T 6 W 7 T 8	15 28 15 46 16 4 16 21 16 39	17 1 4 44 15 15 4 12 12 52 3 30	18 13 1 2 17 33 0 42	6 14 1 37 6 42 1 37 7 10 1 36	14 37 0 14 14 50 0 14 15 3 0 13 15 17 0 12 15 30 0 12	6 6 1 26 6 6 1 26 6 7 1 26 6 7 1 26 6 7 1 25	22 16 1 3 22 16 1 2 22 17 1 2	20 0 0 36 20 0 0 36 19 59 0 36	18 55 0 13 18 55 0 13 18 55 0 13	18 19 4 53 18 19 4 53	0 43 0 44 0 45 0 46 0 46	1 15 13 57 1 17 13 55 1 18 13 54 1 19 13 53 1 20 13 52	1 16 4 54 1 17 4 54 1 17 4 54 1 18 4 53 1 19 4 53
F 9 S 10	16 56 17 13	6 34 1 41	15 26 0n20	8 6 1 36	15 42 0 11	6 7 1 25 6 7 1 25 6 7 1 25	22 17 1 2	19 59 0 36		18 19 4 53	0 45 0 45	1 20 13 32 1 22 13 51 1 23 13 49	1 19 4 53
S 11 M12 T 13 W14 T 15 F 16 S 17	18 33 18 48	8 46 2 40 12 15 3 36 15 8 4 21 17 13 4 52	13 36 1 15 13 8 1 30 12 45 1 43 12 27 1 54 12 16 2 4	9 28 1 34 9 55 1 33 10 22 1 32 10 48 1 32	16 21 0 10 16 33 0 9 16 45 0 8 16 57 0 8 17 10 0 7	6 7 1 24 6 7 1 24 6 6 1 24 6 6 1 23	22 18 1 2 22 19 1 2 22 19 1 1 22 19 1 1 22 20 1 1	19 57 0 36 19 57 0 36 19 57 0 36 19 57 0 36 19 56 0 36 19 56 0 36	18 54 0 13 18 54 0 13 18 54 0 13 18 54 0 13 18 53 0 13 18 53 0 13	18 19 4 53 18 19 4 53 18 19 4 53	0 45 0 45 0 47 0 49 0 53 0 57 1 0	1 24 13 48 1 26 13 47 1 27 13 46 1 28 13 45 1 29 13 43 1 31 13 42 1 32 13 41	1 21 4 52
S 18 M19 T 20 W21 T 22 F 23 S 24	19 17 19 31 19 44 19 58 20 11 20 23 20 35	16 51 4 33 14 32 3 51 11 20 2 55 7 31 1 49 3 19 0 37	12 12 2 21 12 19 2 24 12 31 2 25 12 46 2 25	12 32 1 28 12 57 1 26 13 22 1 25 13 47 1 24 14 11 1 23	17 33 0 6 17 45 0 6 17 57 0 5 18 8 0 4 18 19 0 4 18 30 0 3 18 41 0 3	6 4 1 23 6 4 1 23 6 3 1 23 6 2 1 22 6 1 1 22 6 0 1 22 5 59 1 22	22 21 1 1 22 22 1 0	19 54 0 36 19 54 0 36	18 52 0 13 18 52 0 13 18 52 0 13 18 52 0 13 18 51 0 13	18 19 4 53 18 20 4 53 18 20 4 53	1 4 1 6 1 8 1 9 1 9 1 9 1 9	1 33 13 40 1 34 13 38 1 36 13 37 1 37 13 36 1 38 13 35 1 39 13 34 1 41 13 32	1 25 4 50 1 25 4 49 1 26 4 49
	20 47 20 58 21 9 21 20 21 30 21 s40	12 33 3 43 15 16 4 23 17 11 4 49	14 9 2 15 14 34 2 10 15 0 2 5 15 26 2 0	15 22 1 18 15 44 1 17 16 7 1 15 16 29 1 13	18 52 0 2 19 3 0 1 19 13 0 1 19 24 0 0 19 34 0s 0 19 844 0s 1	5 58 1 21 5 56 1 21 5 55 1 21 5 54 1 21 5 52 1 20 5 551 1 \$20	22 22 1 0 22 23 1 0 22 23 1 0 22 23 1 0	19 51 0 36 19 50 0 35 19 50 0 35 19 49 0 35	18 51 0 13 18 50 0 13 18 50 0 13 18 50 0 13	18 20 4 53 18 20 4 53	1 9 1 11 1 14 1 18 1 23 1n28	1 42 13 31 1 43 13 30 1 44 13 29 1 46 13 27 1 47 13 26 1n48 13n25	1 28 4 47 1 28 4 47 1 28 4 46

Julian Day Number = 2511749.5, Delta T = 132.42 sec Ecliptic obliquity = $23^{\circ}24'55$, Nutation = $-0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'37$, Lahiri = $26^{\circ}09'38$

DECEMBER 2164 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(卉	Р	n	v	Ç	ķ	Day
S 1	4 41 45	9 ,7 18'56	59917	21 M 24	22 M 15	28 M 48	18 ∺ 23	27 × 22	4≈ 1	4≈53	7°R22	26°R 6	25 Mg 24	13 N 46	15 ∺ 5	S 1
S 2	4 45 41	10°19'41	17°30	22°48	23°30	29°30	18°27	27°29	4° 4	4°55	7921	25 m/54	25°21	13°53	15° 5	S 2
M 3	4 49 38	11°20'27	29°31	24°13	24°46	0 √ 12	18°31	27°36	4° 6	4°56	7°20	25°45	25°18	14° 0	15° 6	M 3
T 4	4 53 35	12°21'15	11 Ω 25	25°40	26° 1	0°55	18°35	27°43	4° 9	4°58	7°19	25°38	25°15	14° 7	15° 6	T 4
W 5	4 57 31	13°22'04	23°13	27° 7	27°16	1°37	18°39	27°50	4°11	4°59	7°18	25°34	25°12	14°13	15° 7	W 5
T 6	5 1 28	14°22'54	5 m 2	28°36	28°31	2°19	18°44	27°56	4°14	5° 1	7°17	25°32	25° 8	14°20	15° 7	T 6
F 7	5 5 24	15°23'46	16°57	0 √ 5	29°47	3° 2	18°49	28° 3	4°16	5° 3	7°16	25°D32	25° 5	14°27	15° 8	F 7
S 8	5 9 21	16°24'38	29° 2	1°34	1 √ 2	3°44	18°54	28°10	4°19	5° 4	7°15	25°R32	25° 2	14°33	15° 9	S 8
S 9	5 13 17	17°25'33	11 ≏ 24	3° 5	2°17	4°26	18°59	28°17	4°21	5° 6	7°13	25°31	24°59	14°40	15°10	S 9
M10	5 17 14	18°26'28	24° 7	4°35	3°33	5° 9	19° 4	28°24	4°24	5° 8	7°12	25°28	24°56	14°47	15°10	M10
T 11	5 21 10	19°27'25	7 M 15	6° 6	4°48	5°51	19°10	28°31	4°27	5° 9	7°11	25°23	24°53	14°53	15°11	T 11
W12	5 25 7	20°28'23	20°51	7°37	6° 3	6°34	19°15	28°38	4°30	5°11	7°10	25°15	24°49	15° 0	15°12	W12
T 13	5 29 4	21°29'22	4 ₹ 753	9° 9	7°19	7°17	19°21	28°46	4°32	5°13	7° 9	25° 4	24°46	15° 7	15°13	T 13
F 14	5 33 0	22°30'22	19°18	10°41	8°34	7°59	19°27	28°53	4°35	5°15	7° 8	24°52	24°43	15°13	15°14	F 14
S 15	5 36 57	23°31'23	3 ප 59	12°13	9°50	8°42	19°33	29° 0	4°38	5°16	7° 6	24°39	24°40	15°20	15°16	S 15
S 16	5 40 53	24°32'24	18°49	13°45	11° 5	9°25	19°40	29° 7	4°41	5°18	7° 5	24°28	24°37	15°27	15°17	S 16
M17	5 44 50	25°33'27	3 ≈ 39	15°17	12°20	10° 8	19°46	29°14	4°44	5°20	7° 4	24°19	24°34	15°33	15°18	M17
T 18	5 48 46	26°34'29	18°20	16°50	13°36	10°50	19°53	29°21	4°47	5°22	7° 3	24°13	24°30	15°40	15°19	T 18
W19	5 52 43	27°35'33	2) (48	18°23	14°51	11°33	20° 0	29°28	4°50	5°24	7° 2	24°10	24°27	15°47	15°21	W19
T 20	5 56 39	28°36'36	16°59	19°55	16° 7	12°16	20° 7	29°35	4°53	5°26	7° 1	24° 9	24°24	15°53	15°22	T 20
F 21	6 0 36	29°37'40	oΥ52	21°28	17°22	12°59	20°14	29°42	4°56	5°28	6°59	24° 9	24°21	16° 0	15°24	F 21
S 22	6 4 33	0 ප 38'44	14°28	23° 1	18°38	13°42	20°22	29°49	4°59	5°30	6°58	24° 8	24°18	16° 7	15°25	S 22
S 23	6 8 29	1°39'48	27°49	24°35	19°53	14°25	20°29	29°56	5° 2	5°32	6°57	24° 6	24°14	16°13	15°27	S 23
M24	6 12 26	2°40'53	10856	26° 8	21° 8	15° 8	20°37	0ට 3	5° 5	5°34	6°56	24° 1	24°11	16°20	15°28	M24
T 25	6 16 22	3°41'58	23°51	27°42	22°24	15°52	20°45	0°10	5° 8	5°36	6°55	23°54	24° 8	16°27	15°30	T 25
W26	6 20 19	4°43'03	6 Ⅱ 35	29°16	23°39	16°35	20°53	0°18	5°11	5°38	6°53	23°43	24° 5	16°33	15°32	W26
T 27	6 24 15	5°44'08	19° 9	0 궁 50	24°55	17°18	21° 1	0°25	5°14	5°40	6°52	23°30	24° 2	16°40	15°33	T 27
F 28	6 28 12	6°45'14	19533	2°24	26°10	18° 1	21° 9	0°32	5°17	5°42	6°51	23°16	23°59	16°47	15°35	F 28
S 29	6 32 8	7°46'20	13°46	3°59	27°26	18°45	21°18	0°39	5°21	5°44	6°50	23° 2	23°55	16°53	15°37	S 29
S 30	6 36 5	8°47'27	25°51	5°33	28°41	19°28	21°26	0°46	5°24	5°46	6°48	22°49	23°52	17° 0	15°39	S 30
M31	6 40 2	9 ප් 48'33	7 Ω 47	7중 8	29 х 56	20 × 11	21 米 35	0 궁 53	5≈27	5≈48	69547	22 m 39	23 m 49	17 Ω 7	15 ∺ 41	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21 s50	18n21	4s57	16s21	1n48	17s11	1n10	19 s54	0 s 2	5 s49	1 s20	22 s24	1n 0	19 s48	0 s 3 5	18 s49	0n13	18n20	4 s 5 3	1n33	1n49	13n24	1 s29	4n46
S 2	21 58	17 38	4 41	16 49	1 42	17 32	1 8	20 4	0 2	5 47	1 20	22 24	1 0	19 48	0 35	18 49	0 13	18 20	4 53	1 38	1 51	13 22	1 29	4 45
M 3	22 7	16 8	4 11	17 16	1 35	17 52	1 6	20 13	0 3	5 45	1 19	22 24	0 59	19 47	0 35	18 48	0 13	18 20	4 53	1 41	1 52	13 21	1 29	4 45
T 4	22 15		3 31	17 43		18 12	1 4		0 3	5 44	1 19			19 46		18 48	0 13	18 20	4 53	1 44	1 53		1 29	4 45
W 5	22 23				1 21	18 31	1 2		0 4	5 42	1 19	-		19 46			0 13	18 20	4 53	1 46		13 19	1 29	4 44
T 6	22 30	8 0	1 46	18 37	1 14		1 0	-	0 5	5 40		22 25		19 45			0 13	18 20	4 53	1 46	1 56		1 29	4 44
F 7	22 37	4 27		19 3	1 7	19 8		20 50	0 5	5 38		22 25		19 45		18 47	0 13		4 53	1 47		13 16	1 29	4 43
S 8	22 43	0 40	0n19	19 29	1 0	19 26	0 56	20 58	0 6	5 35	1 18	22 25	0 59	19 44	0 35	18 46	0 13	18 20	4 53	1 47	1 58	13 15	1 29	4 43
S 9	22 49	3 s14	1 23	19 54	0 52	19 43	0 54	21 7	0 6	5 33	1 18	22 25	0 59	19 43	0 35	18 46	0 13	18 20	4 53	1 47	2 0	13 14	1 29	4 43
M10	22 55	7 6	2 25	20 18	0 45	19 59	0 52	21 15	0 7	5 31	1 18	22 25	0 59	19 43	0 35	18 46	0 13	18 21	4 53	1 48	2 1	13 12	1 29	4 42
T 11	23 0	10 44			0 38	20 15	0 50		0 8	5 28		22 26	0 59	19 42	0 35	18 45	0 13	18 21	4 53	1 50	2 2	_	1 29	4 42
W12	23 4	13 57		21 4	0 30	20 31		21 31	0 8	5 26		22 26		19 41	0 35	18 45	0 13	18 21	4 53	1 53	2 3	13 10	1 29	4 42
T 13	23 9	16 28	4 42		0 23			21 39	0 9	5 24		22 26		19 41	0 35		0 13		4 53	1 57	2 5		1 29	4 41
1	_	18 1		21 46	0 16			21 46	0 10	-		22 26		19 40			0 13		4 53	2 2	2 6		1 29	4 41
S 15	23 15	18 25	4 56	22 5	0 9	21 14	0 41	21 54	0 10	5 18	1 17	22 26	0 58	19 39	0 35	18 44	0 13	18 21	4 53	2 7	2 7	13 6	1 29	4 41
S 16	23 18	17 34	4 34	22 24	0 2	21 27	0 39	22 1	0 11	5 16	1 16	22 26	0 58	19 39	0 35	18 43	0 13	18 21	4 53	2 12	2 8	13 5	1 29	4 41
M17	23 20	15 32	3 53	22 42	0s 5	21 39	0 36	22 8	0 11	5 13	1 16	22 26	0 58	19 38	0 35	18 43	0 13	18 21	4 53	2 15	2 10	13 3	1 29	4 40
T 18	23 22	12 30	2 57	22 58	0 12	21 51	0 34	22 15	0 12	5 10	1 16	22 27	0 58	19 37	0 35	18 42	0 13	18 21	4 53	2 18	2 11	13 2	1 28	4 40
1	23 24	8 45	1 50	23 14	0 19			22 21	0 13	5 7	1 16	22 27	0 58	19 36	0 35	18 42	0 13	18 21	4 53	2 19	2 12		1 28	4 40
T 20	23 24	4 33	0 38	23 28	0 26	22 12		22 28	0 13	5 4	1 16	22 27	0 58	19 36	0 35	18 41	0 13	18 21	4 53	2 19	2 13	12 59	1 28	4 39
F 21	23 25	0 12		23 41		22 22		22 34	0 14	5 1		22 27		19 35			0 13		4 53	2 19		12 58	1 28	4 39
S 22	23 25	4n 5	1 45	23 53	0 39	22 31	0 25	22 40	0 14	4 58	1 15	22 27	0 58	19 34	0 35	18 40	0 13	18 22	4 53	2 20	2 16	12 57	1 27	4 39
S 23	23 24	8 4	2 48	24 3	0 45	22 40	0 22	22 45	0 15	4 55	1 15	22 27	0 58	19 33	0 35	18 40	0 13	18 22	4 53	2 20	2 17	12 56	1 27	4 38
M24	23 23	11 36	3 40	24 13	0 51	22 48	0 20	22 51	0 16	4 52	1 15	22 27	0 58	19 33	0 35	18 40	0 13	18 22	4 53	2 22	2 18	12 54	1 27	4 38
T 25	23 22	14 30	4 21	24 21	0 57	22 55	0 17	22 56	0 16	4 48	1 15	22 27	0 58	19 32	0 35	18 39	0 13	18 22	4 53	2 25	2 20	12 53	1 26	4 38
W26	23 20	16 40	4 47	24 28	1 3	23 1	0 15	23 1	0 17	4 45	1 14	22 27	0 58	19 31	0 35	18 39	0 13	18 22	4 53	2 30	2 21	12 52	1 26	4 37
T 27	23 17	18 0	5 0	24 33	1 9	23 7	0 12	23 6	0 18	4 42	1 14	22 27	0 58	19 30	0 35	18 38	0 12	18 22	4 52	2 35	2 22	12 50	1 26	4 37
F 28		18 27				23 12		23 11	0 18	4 38		22 27		19 30		18 38	0 12		4 52	2 40	2 23		1 25	4 37
S 29	23 11	18 2	4 41	24 41	1 19	23 16	0 7	23 15	0 19	4 35	1 14	22 27	0 58	19 29	0 35	18 37	0 12	18 22	4 52	2 46	2 25	12 48	1 25	4 36
S 30	23 7	16 49	4 13	24 42	1 24	23 20	0 5	23 19	0 20	4 31	1 14	22 27	0 58	19 28	0 35	18 37	0 12	18 22	4 52	2 51	2 26	12 46	1 24	4 36
M31	23 s 3	14n52	$3\mathrm{s}33$	24 s42	1 s29	$23\mathrm{s}22$	0n 3	$23\mathrm{s}23$	0 s 2 0	4 s 2 8	1 s13	22 s27	0n57	19 s27	0s35	18s36	0n12	18n23	4 s 5 2	2n55	2n27	12n45	1 s24	4n36

Julian Day Number = 2511779.5, Delta T = 132.49 sec Ecliptic obliquity = $23^{\circ}24'54$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}02'41$, Lahiri = $26^{\circ}09'42$