



Astrodienst Ephemeris Tables for the year 1864

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 1864
geocentric

JANUARY 1864

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 39 39	9♌53°17	25♍ 3	26♌30	24♍27	10♌36	20♍24	17♌27	22♌R21	3♌23	10♌R28	26♌R47	25♍27	9♌28	7♌ 9	F 1
S 2	6 43 35	10°54'27	7♌17	27°59	25°35	11°18	20°35	17°30	22♌18	3°24	10♌28	26°D45	25°24	9°35	7°12	S 2
S 3	6 47 32	11°55'37	19°47	29°26	26°42	12° 1	20°45	17°32	22°16	3°24	10°27	26♌45	25°21	9°42	7°14	S 3
M 4	6 51 28	12°56'47	2♌37	0♌50	27°51	12°44	20°56	17°35	22°14	3°25	10°27	26°47	25°18	9°49	7°17	M 4
T 5	6 55 25	13°57'58	15°53	2°13	28°59	13°26	21° 6	17°37	22°11	3°26	10°26	26°48	25°14	9°55	7°19	T 5
W 6	6 59 21	14°59'09	29°36	3°32	0♌ 7	14° 9	21°16	17°40	22° 9	3°27	10°26	26°R48	25°11	10° 2	7°22	W 6
T 7	7 3 18	16° 0'19	13♌49	4°47	1°16	14°52	21°26	17°42	22° 7	3°27	10°25	26°47	25° 8	10° 9	7°25	T 7
F 8	7 7 14	17° 1'30	28°28	5°59	2°25	15°35	21°36	17°44	22° 4	3°28	10°25	26°43	25° 5	10°15	7°28	F 8
S 9	7 11 11	18° 2'41	13♌28	7° 5	3°34	16°18	21°46	17°46	22° 2	3°29	10°25	26°37	25° 2	10°22	7°30	S 9
S 10	7 15 8	19° 3'51	28°41	8° 5	4°43	17° 0	21°56	17°48	22° 0	3°30	10°24	26°30	24°58	10°29	7°33	S 10
M 11	7 19 4	20° 5'01	13♌56	9° 0	5°52	17°43	22° 6	17°50	21°58	3°31	10°24	26°21	24°55	10°36	7°36	M 11
T 12	7 23 1	21° 6'11	29° 1	9°46	7° 2	18°26	22°16	17°51	21°56	3°32	10°24	26°13	24°52	10°42	7°39	T 12
W 13	7 26 57	22° 7'19	13♌49	10°25	8°11	19° 9	22°25	17°53	21°53	3°33	10°24	26° 5	24°49	10°49	7°42	W 13
T 14	7 30 54	23° 8'27	28°12	10°54	9°21	19°52	22°34	17°55	21°51	3°34	10°23	26° 0	24°46	10°56	7°45	T 14
F 15	7 34 50	24° 9'35	12♌ 8	11°13	10°30	20°35	22°44	17°56	21°49	3°35	10°23	25°58	24°43	11° 3	7°48	F 15
S 16	7 38 47	25°10'41	25°38	11°R21	11°40	21°18	22°53	17°57	21°47	3°36	10°23	25°D57	24°39	11° 9	7°51	S 16
S 17	7 42 43	26°11'47	8♌44	11°18	12°50	22° 2	23° 2	17°58	21°45	3°37	10°23	25°57	24°36	11°16	7°54	S 17
M 18	7 46 40	27°12'52	21°29	11° 4	14° 0	22°45	23°11	17°59	21°43	3°38	10°23	25°R58	24°33	11°23	7°57	M 18
T 19	7 50 37	28°13'56	3♌58	10°37	15°11	23°28	23°20	18° 0	21°41	3°39	10°22	25°58	24°30	11°29	8° 1	T 19
W 20	7 54 33	29°14'59	16°14	10° 0	16°21	24°11	23°28	18° 1	21°39	3°40	10°22	25°56	24°27	11°36	8° 4	W 20
T 21	7 58 30	0♌16'01	28°21	9°12	17°31	24°54	23°37	18° 2	21°38	3°42	10°22	25°51	24°24	11°43	8° 7	T 21
F 22	8 2 26	1°17'02	10♌22	8°14	18°42	25°38	23°45	18° 3	21°36	3°43	10°22	25°43	24°20	11°50	8°10	F 22
S 23	8 6 23	2°18'03	22°18	7° 9	19°53	26°21	23°54	18° 3	21°34	3°44	10°22	25°33	24°17	11°56	8°14	S 23
S 24	8 10 19	3°19'03	4♌12	5°58	21° 3	27° 4	24° 2	18° 4	21°32	3°45	10°22	25°20	24°14	12° 3	8°17	S 24
M 25	8 14 16	4°20'01	16° 5	4°43	22°14	27°48	24°10	18° 4	21°31	3°47	10°D22	25° 7	24°11	12°10	8°20	M 25
T 26	8 18 13	5°20'59	27°57	3°27	23°25	28°31	24°18	18° 4	21°29	3°48	10°22	24°53	24° 8	12°16	8°24	T 26
W 27	8 22 9	6°21'56	9♌52	2°12	24°36	29°15	24°26	18°R 4	21°27	3°49	10°22	24°40	24° 4	12°23	8°27	W 27
T 28	8 26 6	7°22'53	21°49	1° 0	25°47	29°58	24°33	18° 4	21°26	3°51	10°22	24°30	24° 1	12°30	8°31	T 28
F 29	8 30 2	8°23'48	3♌53	29♌53	26°58	0♌42	24°41	18° 4	21°24	3°52	10°22	24°22	23°58	12°37	8°34	F 29
S 30	8 33 59	9°24'43	16° 7	28°52	28°10	1°25	24°48	18° 4	21°23	3°54	10°22	24°17	23°55	12°43	8°38	S 30
S 31	8 37 55	10°25'37	28♌33	27♌58	29♌21	2♌ 9	24♌56	18♌ 4	21♌21	3♌55	10♌23	24♌15	23♌52	12♌50	8♌41	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	23s 5	2s12	4s33	22s44	1s54	16s 8	2n51	22s 8	0s 5	16s55	0n59	4s37	2n26	23n22	0n 8	0n 1
S 2	23 0	6 30	3 56	22 22	1 49	16 25	2 50	22 15	0 6	16 57	0 59	4 38	2 26	23 22	0 8	0 1
S 3	22 55	10 37	3 7	21 58	1 43	16 41	2 49	22 21	0 6	17 0	0 59	4 38	2 26	23 22	0 8	0 1
M 4	22 49	14 23	2 7	21 33	1 36	16 58	2 48	22 27	0 7	17 3	0 59	4 39	2 26	23 22	0 8	0 2
T 5	22 43	17 32	0 59	21 7	1 29	17 14	2 47	22 33	0 8	17 5	1 0	4 40	2 27	23 22	0 8	0 2
W 6	22 37	19 50	0n15	20 41	1 20	17 29	2 46	22 39	0 8	17 8	1 0	4 40	2 27	23 22	0 8	0 2
T 7	22 30	20 59	1 30	20 13	1 11	17 45	2 44	22 45	0 9	17 10	1 0	4 41	2 27	23 22	0 8	0 3
F 8	22 22	20 45	2 42	19 46	1 0	18 0	2 43	22 50	0 10	17 13	1 0	4 41	2 27	23 22	0 8	0 3
S 9	22 14	19 4	3 44	19 18	0 49	18 14	2 41	22 55	0 10	17 15	1 0	4 42	2 28	23 21	0 8	0 3
S 10	22 6	16 1	4 31	18 50	0 36	18 29	2 40	23 0	0 11	17 18	1 0	4 42	2 28	23 21	0 8	0 4
M 11	21 57	11 53	4 59	18 23	0 22	18 43	2 38	23 5	0 12	17 20	1 0	4 43	2 28	23 21	0 8	0 4
T 12	21 48	7 3	5 5	17 56	0 8	18 56	2 36	23 10	0 12	17 23	1 0	4 43	2 29	23 21	0 8	0 5
W 13	21 38	1 53	4 51	17 31	0n 8	19 9	2 34	23 14	0 13	17 25	1 0	4 44	2 29	23 21	0 8	0 5
T 14	21 28	3n15	4 19	17 7	0 24	19 22	2 32	23 18	0 14	17 27	1 0	4 44	2 29	23 21	0 8	0 5
F 15	21 18	8 3	3 32	16 45	0 42	19 34	2 30	23 22	0 15	17 30	1 0	4 44	2 29	23 21	0 8	0 6
S 16	21 7	12 19	2 35	16 26	0 59	19 46	2 28	23 25	0 15	17 32	1 0	4 44	2 30	23 21	0 8	0 6
S 17	20 56	15 51	1 31	16 9	1 18	19 57	2 25	23 29	0 16	17 34	1 1	4 45	2 30	23 20	0 8	0 7
M 18	20 44	18 32	0 24	15 55	1 36	20 8	2 23	23 32	0 17	17 36	1 1	4 45	2 30	23 20	0 9	0 7
T 19	20 32	20 16	0s43	15 45	1 55	20 18	2 20	23 35	0 17	17 38	1 1	4 45	2 31	23 20	0 9	0 8
W 20	20 19	20 59	1 46	15 38	2 12	20 28	2 18	23 38	0 18	17 40	1 1	4 45	2 31	23 20	0 9	0 8
T 21	20 6	20 43	2 43	15 34	2 29	20 38	2 15	23 40	0 19	17 42	1 1	4 45	2 31	23 20	0 9	0 9
F 22	19 53	19 31	3 33	15 33	2 45	20 46	2 13	23 42	0 20	17 44	1 1	4 45	2 31	23 20	0 9	0 9
S 23	19 40	17 27	4 13	15 36	2 59	20 55	2 10	23 45	0 20	17 46	1 1	4 45	2 32	23 20	0 9	0 10
S 24	19 26	14 40	4 41	15 42	3 11	21 2	2 7	23 46	0 21	17 48	1 1	4 45	2 32	23 20	0 9	0 10
M 25	19 11	11 17	4 57	15 50	3 21	21 10	2 4	23 48	0 22	17 50	1 1	4 45	2 32	23 20	0 9	0 11
T 26	18 57	7 29	5 1	16 1	3 29	21 16	2 1	23 49	0 22	17 52	1 1	4 44	2 33	23 19	0 9	0 12
W 27	18 42	3 23	4 51	16 13	3 34	21 22	1 58	23 50	0 23	17 54	1 2	4 44	2 33	23 19	0 9	0 12
T 28	18 26	0s52	4 28	16 26	3 36	21 28	1 55	23 51	0 24	17 55	1 2	4 44	2 33	23 19	0 9	0 13
F 29	18 11	5 7	3 53	16 40	3 36	21 33	1 52	23 52	0 25	17 57	1 2	4 44	2 33	23 19	0 9	0 13
S 30	17 55	9 13	3 7	16 55	3 34	21 37	1 49	23 52	0 25	17 59	1 2	4 43	2 34	23 19	0 9	0 14
S 31	17s38	13s 1	2s12	17s 9	3n30	21s41	1n46	23s52	0s26	18s 0	1n 2	4s43	2n34	23n19	0n 9	0n15

Julian Day Number = 2401871.5, Delta T = 8.72 sec
Ecliptic obliquity = 23°27'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°50'28, Lahiri = 21°57'28

ASTRODIENST EPHEMERIS for the year 1864

geocentric

FEBRUARY 1864

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 41 52	11 ²⁶ 30	11 ¹¹ 18	27°R12	0 ³³ 33	2 ⁵³ 53	25 ¹¹ 3	18°R 3	21°R20	3 ⁵⁷ 57	10 ⁸ 23	24°D14	23 ¹¹ 49	12 ⁵ 57	8 ⁴⁵ 45	M 1
T 2	8 45 48	12°27'23	24°25	26 ³ 35	1°44	3°36	25°10	18 ³ 3	21 ¹¹ 18	3°58	10°23	24°R15	23°45	13° 4	8°48	T 2
W 3	8 49 45	13°28'14	7 ⁵⁸ 58	26° 6	2°56	4°20	25°17	18° 2	21°17	4° 0	10°23	24 ¹¹ 14	23°42	13°10	8°52	W 3
T 4	8 53 42	14°29'05	22° 0	25°45	4° 7	5° 4	25°23	18° 1	21°16	4° 2	10°23	24°12	23°39	13°17	8°55	T 4
F 5	8 57 38	15°29'55	6 ³⁰ 30	25°33	5°19	5°48	25°30	18° 0	21°15	4° 3	10°23	24° 7	23°36	13°24	8°59	F 5
S 6	9 1 35	16°30'44	21°26	25°D29	6°31	6°31	25°36	17°59	21°14	4° 5	10°24	23°59	23°33	13°30	9° 3	S 6
S 7	9 5 31	17°31'32	6 ⁴⁰ 40	25°32	7°43	7°15	25°43	17°58	21°12	4° 7	10°24	23°49	23°30	13°37	9° 6	S 7
M 8	9 9 28	18°32'18	22° 2	25°42	8°54	7°59	25°49	17°57	21°11	4° 8	10°24	23°37	23°26	13°44	9°10	M 8
T 9	9 13 24	19°33'03	7 ²⁰ 20	25°59	10° 6	8°43	25°55	17°56	21°10	4°10	10°25	23°25	23°23	13°51	9°14	T 9
W10	9 17 21	20°33'47	22°22	26°21	11°18	9°27	26° 0	17°55	21° 9	4°12	10°25	23°15	23°20	13°57	9°17	W10
T 11	9 21 17	21°34'29	7 ⁰ 0	26°50	12°30	10°11	26° 6	17°53	21° 8	4°13	10°25	23° 7	23°17	14° 4	9°21	T 11
F 12	9 25 14	22°35'10	21°10	27°23	13°43	10°55	26°12	17°51	21° 8	4°15	10°26	23° 2	23°14	14°11	9°25	F 12
S 13	9 29 10	23°35'48	4 ⁴⁹ 49	28° 1	14°55	11°39	26°17	17°50	21° 7	4°17	10°26	23° 0	23°10	14°17	9°29	S 13
S 14	9 33 7	24°36'25	18° 0	28°43	16° 7	12°23	26°22	17°48	21° 6	4°19	10°27	22°59	23° 7	14°24	9°33	S 14
M15	9 37 4	25°37'01	0 ⁴⁶ 46	29°29	17°19	13° 7	26°27	17°46	21° 5	4°21	10°27	22°59	23° 4	14°31	9°36	M15
T 16	9 41 0	26°37'34	13°12	0 ¹⁹ 19	18°31	13°51	26°32	17°44	21° 5	4°23	10°28	22°59	23° 1	14°38	9°40	T 16
W17	9 44 57	27°38'06	25°24	1°12	19°44	14°35	26°37	17°42	21° 4	4°24	10°28	22°56	22°58	14°44	9°44	W17
T 18	9 48 53	28°38'36	7 ²⁵ 25	2° 9	20°56	15°20	26°41	17°40	21° 3	4°26	10°29	22°51	22°55	14°51	9°48	T 18
F 19	9 52 50	29°39'04	19°19	3° 8	22° 8	16° 4	26°45	17°38	21° 3	4°28	10°29	22°43	22°51	14°58	9°52	F 19
S 20	9 56 46	0 ³⁹ 39	1 ¹¹ 11	4°10	23°21	16°48	26°49	17°35	21° 2	4°30	10°30	22°32	22°48	15° 5	9°56	S 20
S 21	10 0 43	1°39'55	13° 3	5°14	24°33	17°32	26°53	17°33	21° 2	4°32	10°30	22°19	22°45	15°11	9°59	S 21
M22	10 4 39	2°40'18	24°56	6°20	25°46	18°17	26°57	17°30	21° 2	4°34	10°31	22° 4	22°42	15°18	10° 3	M22
T 23	10 8 36	3°40'39	6 ¹¹ 52	7°29	26°58	19° 1	27° 1	17°28	21° 1	4°36	10°31	21°50	22°39	15°25	10° 7	T 23
W24	10 12 33	4°40'59	18°52	8°40	28°11	19°45	27° 4	17°25	21° 1	4°38	10°32	21°36	22°36	15°31	10°11	W24
T 25	10 16 29	5°41'16	0 ⁵⁷ 57	9°52	29°23	20°30	27° 8	17°22	21° 1	4°40	10°33	21°25	22°32	15°38	10°15	T 25
F 26	10 20 26	6°41'33	13°10	11° 7	0 ³⁶ 36	21°14	27°11	17°19	21° 1	4°42	10°33	21°17	22°29	15°45	10°19	F 26
S 27	10 24 22	7°41'47	25°31	12°23	1°49	21°58	27°14	17°16	21° 1	4°44	10°34	21°11	22°26	15°52	10°23	S 27
S 28	10 28 19	8°42'00	8 ¹¹ 3	13°41	3° 1	22°43	27°17	17°13	21°D 1	4°46	10°35	21° 8	22°23	15°58	10°26	S 28
M29	10 32 15	9 ⁴² 42	20 ¹¹ 50	15° 0	4°14	23°27	27°19	17°10	21°II 1	4°49	10°35	21°D 8	22°11	16° 5	10°30	M29

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	17s22	16s18	1s 8	17s24	3n24	21s44	1n43	23s52	0s27	18s 2	1n 2	4s43	2n34	23n19	0n 9	M 1
T 2	17 5	18 52	0n 1	17 38	3 16	21 47	1 40	23 52	0 28	18 4	1 2	4 42	2 34	23 19	0 9	T 2
W 3	16 47	20 28	1 12	17 52	3 8	21 49	1 36	23 51	0 28	18 5	1 2	4 42	2 35	23 19	0 9	W 3
T 4	16 30	20 52	2 21	18 5	2 58	21 50	1 33	23 51	0 29	18 7	1 3	4 41	2 35	23 19	0 9	T 4
F 5	16 12	19 55	3 23	18 18	2 48	21 51	1 30	23 49	0 30	18 8	1 3	4 40	2 35	23 19	0 9	F 5
S 6	15 54	17 34	4 14	18 29	2 37	21 51	1 26	23 48	0 31	18 10	1 3	4 40	2 36	23 18	0 9	S 6
S 7	15 35	13 59	4 47	18 40	2 25	21 51	1 23	23 47	0 31	18 11	1 3	4 39	2 36	23 18	0 9	S 7
M 8	15 17	9 26	5 0	18 50	2 14	21 50	1 20	23 45	0 32	18 12	1 3	4 38	2 36	23 18	0 9	M 8
T 9	14 58	4 19	4 51	18 58	2 2	21 48	1 16	23 43	0 33	18 13	1 3	4 38	2 36	23 18	0 9	T 9
W10	14 39	1n 0	4 23	19 6	1 50	21 46	1 13	23 41	0 34	18 15	1 3	4 37	2 37	23 18	0 9	W10
T 11	14 19	6 6	3 37	19 12	1 38	21 43	1 9	23 38	0 34	18 16	1 3	4 36	2 37	23 18	0 9	T 11
F 12	14 0	10 44	2 40	19 17	1 26	21 39	1 6	23 35	0 35	18 17	1 3	4 35	2 37	23 18	0 9	F 12
S 13	13 40	14 37	1 35	19 21	1 15	21 35	1 2	23 32	0 36	18 18	1 4	4 34	2 37	23 18	0 9	S 13
S 14	13 20	17 38	0 26	19 24	1 3	21 30	0 59	23 29	0 37	18 19	1 4	4 34	2 38	23 18	0 9	S 14
M15	12 59	19 39	0s41	19 26	0 52	21 25	0 56	23 26	0 37	18 20	1 4	4 33	2 38	23 18	0 9	M15
T 16	12 39	20 40	1 45	19 26	0 41	21 19	0 52	23 22	0 38	18 21	1 4	4 32	2 38	23 18	0 9	T 16
W17	12 18	20 40	2 42	19 25	0 30	21 12	0 49	23 18	0 39	18 22	1 4	4 31	2 38	23 18	0 9	W17
T 18	11 57	19 44	3 32	19 23	0 19	21 5	0 45	23 14	0 40	18 23	1 4	4 30	2 39	23 18	0 9	T 18
F 19	11 36	17 55	4 11	19 20	0 9	20 57	0 42	23 10	0 40	18 24	1 4	4 28	2 39	23 18	0 9	F 19
S 20	11 15	15 22	4 40	19 15	0s 1	20 49	0 38	23 5	0 41	18 25	1 5	4 27	2 39	23 18	0 9	S 20
S 21	10 53	12 11	4 56	19 9	0 11	20 39	0 35	23 0	0 42	18 26	1 5	4 26	2 39	23 18	0 9	S 21
M22	10 32	8 31	4 59	19 1	0 20	20 30	0 31	22 55	0 43	18 26	1 5	4 25	2 40	23 18	0 9	M22
T 23	10 10	4 31	4 50	18 53	0 29	20 19	0 28	22 50	0 44	18 27	1 5	4 24	2 40	23 18	0 9	T 23
W24	9 48	0 19	4 27	18 43	0 38	20 9	0 24	22 44	0 44	18 28	1 5	4 23	2 40	23 18	0 9	W24
T 25	9 26	3s56	3 52	18 32	0 46	19 57	0 21	22 38	0 45	18 28	1 5	4 21	2 40	23 18	0 9	T 25
F 26	9 4	8 4	3 7	18 19	0 54	19 45	0 18	22 32	0 46	18 29	1 5	4 20	2 40	23 18	0 9	F 26
S 27	8 41	11 55	2 11	18 5	1 2	19 32	0 14	22 26	0 47	18 29	1 5	4 19	2 41	23 18	0 9	S 27
S 28	8 19	15 17	1 9	17 50	1 9	19 19	0 11	22 19	0 47	18 30	1 6	4 17	2 41	23 18	0 9	S 28
M29	7s56	18s 0	0s 2	17s34	1s16	19s 5	0n 7	22s13	0s48	18s30	1n 6	4s16	2n41	23n18	0n 9	M29

Julian Day Number = 2401902.5, Delta T = 8.69 sec
 Ecliptic obliquity = 23°27'20, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°50'32, Lahiri = 21°57'33

ASTRODIENST EPHEMERIS for the year 1864

geocentric

MARCH 1864

00:00 UT

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

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s33	19s51	1n 7	17s16	1s23	18s51	0n 4	22s 6	0s49	18s31	1n 6	4s15	2n41	23n18	0n 9	0n37
W 2	7 11	20 37	2 15	16 57	1 29	18 36	0 1	21 58	0 50	18 31	1 6	4 13	2 42	23 18	0 9	0 38
T 3	6 48	20 11	3 16	16 36	1 35	18 21	0s 2	21 51	0 51	18 32	1 6	4 12	2 42	23 18	0 9	0 39
F 4	6 25	18 28	4 7	16 14	1 40	18 5	0 6	21 43	0 51	18 32	1 6	4 10	2 42	23 18	0 9	0 40
S 5	6 1	15 31	4 43	15 51	1 45	17 49	0 9	21 35	0 52	18 32	1 6	4 9	2 42	23 18	0 9	0 41
S 6	5 38	11 31	5 1	15 27	1 50	17 32	0 12	21 27	0 53	18 32	1 7	4 7	2 42	23 18	0 9	0 41
M 7	5 15	6 44	4 59	15 2	1 54	17 14	0 15	21 19	0 54	18 32	1 7	4 6	2 42	23 18	0 9	0 42
T 8	4 52	1 32	4 35	14 35	1 58	16 56	0 18	21 11	0 55	18 33	1 7	4 4	2 43	23 18	0 9	0 43
W 9	4 28	3n42	3 53	14 7	2 2	16 38	0 21	21 2	0 55	18 33	1 7	4 2	2 43	23 18	0 9	0 44
T 10	4 5	8 38	2 56	13 37	2 5	16 19	0 24	20 53	0 56	18 33	1 7	4 1	2 43	23 18	0 9	0 45
F 11	3 41	12 56	1 49	13 6	2 8	16 0	0 27	20 44	0 57	18 33	1 7	3 59	2 43	23 18	0 9	0 46
S 12	3 17	16 23	0 37	12 34	2 10	15 40	0 30	20 35	0 58	18 33	1 7	3 58	2 43	23 18	0 9	0 47
S 13	2 54	18 49	0s34	12 1	2 12	15 20	0 33	20 25	0 58	18 33	1 7	3 56	2 43	23 18	0 9	0 48
M14	2 30	20 12	1 41	11 27	2 14	14 59	0 35	20 15	0 59	18 32	1 8	3 54	2 44	23 18	0 9	0 49
T 15	2 7	20 31	2 41	10 51	2 15	14 38	0 38	20 5	1 0	18 32	1 8	3 52	2 44	23 18	0 9	0 49
W16	1 43	19 51	3 33	10 14	2 15	14 17	0 41	19 55	1 1	18 32	1 8	3 51	2 44	23 18	0 9	0 50
T 17	1 19	18 17	4 14	9 36	2 16	13 55	0 43	19 45	1 2	18 32	1 8	3 49	2 44	23 18	0 9	0 51
F 18	0 55	15 56	4 44	8 57	2 15	13 32	0 46	19 34	1 2	18 32	1 8	3 47	2 44	23 18	0 9	0 52
S 19	0 32	12 57	5 2	8 16	2 14	13 10	0 49	19 24	1 3	18 31	1 8	3 46	2 44	23 18	0 9	0 53
S 20	0 8	9 27	5 6	7 34	2 13	12 47	0 51	19 13	1 4	18 31	1 8	3 44	2 44	23 18	0 9	0 54
M21	0n16	5 34	4 57	6 51	2 12	12 23	0 53	19 2	1 5	18 30	1 8	3 42	2 44	23 19	0 9	0 55
T 22	0 39	1 26	4 35	6 7	2 9	12 0	0 56	18 50	1 5	18 30	1 9	3 40	2 44	23 19	0 9	0 56
W23	1 3	2s47	4 1	5 22	2 7	11 36	0 58	18 39	1 6	18 29	1 9	3 38	2 45	23 19	0 9	0 57
T 24	1 27	6 58	3 15	4 36	2 3	11 11	1 0	18 27	1 7	18 29	1 9	3 37	2 45	23 19	0 9	0 57
F 25	1 50	10 54	2 19	3 48	2 0	10 47	1 2	18 15	1 8	18 28	1 9	3 35	2 45	23 19	0 9	0 58
S 26	2 14	14 24	1 15	2 59	1 56	10 22	1 5	18 3	1 9	18 28	1 9	3 33	2 45	23 19	0 9	0 59
S 27	2 37	17 16	0 6	2 10	1 51	9 57	1 7	17 51	1 9	18 27	1 9	3 31	2 45	23 19	0 9	1 0
M28	3 1	19 19	1n 4	1 19	1 46	9 31	1 9	17 39	1 10	18 26	1 9	3 29	2 45	23 19	0 9	1 1
T 29	3 24	20 20	2 12	0 28	1 40	9 5	1 10	17 26	1 11	18 26	1 9	3 28	2 45	23 19	0 9	1 2
W30	3 47	20 12	3 14	0n25	1 34	8 39	1 12	17 14	1 12	18 25	1 9	3 26	2 45	23 19	0 9	1 3
T 31	4n11	18s52	4n 7	1n18	1s27	8s13	1s14	17s 1	1s12	18s24	1n 9	3s24	2n45	23n19	0n 9	1n 4

Julian Day Number = 2401931.5, Delta T = 8.66 sec
 Ecliptic obliquity = 23°27'20", Nutation = 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°50'36", Lahiri = 21°57'37"

ASTRODIENST EPHEMERIS for the year 1864

geocentric

APRIL 1864

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 38 25	11°31'37"	25°32'	8°38'	13°12'	17°23'	27°R 4	14°R59	21°II29	6°V 0	11°8 7	19°R 5	20°M38	19°L40	12°K31	F 1
S 2	12 42 22	12°30'44"	9°54'	10°40'	14°25'	18° 8	27°M 0	14°L55	21°31	6° 2	11° 8	19°M 3	20°35	19°47	12°34	S 2
S 3	12 46 18	13°29'49"	24°30'	12°42'	15°38'	18°53'	26°57'	14°50'	21°33'	6° 4	11°10'	18°59'	20°32'	19°54'	12°38'	S 3
M 4	12 50 15	14°28'53"	9°14'	14°45'	16°52'	19°38'	26°53'	14°45'	21°34'	6° 7	11°11'	18°54'	20°28'	20° 0	12°41'	M 4
T 5	12 54 11	15°27'55"	24° 0'	16°50'	18° 5'	20°23'	26°49'	14°41'	21°36'	6° 9	11°12'	18°49'	20°25'	20° 7	12°44'	T 5
W 6	12 58 8	16°26'55"	8°40'	18°54'	19°18'	21° 8	26°45'	14°36'	21°38'	6°11	11°13'	18°44'	20°22'	20°14'	12°48'	W 6
T 7	13 2 4	17°25'53"	23° 7'	21° 0'	20°31'	21°54'	26°40'	14°31'	21°40'	6°13	11°15'	18°41'	20°19'	20°20'	12°51'	T 7
F 8	13 6 1	18°24'49"	7°14'	23° 5'	21°45'	22°39'	26°36'	14°27'	21°42'	6°15	11°16'	18°39'	20°16'	20°27'	12°54'	F 8
S 9	13 9 57	19°23'43"	20°59'	25°11'	22°58'	23°24'	26°31'	14°22'	21°44'	6°18	11°17'	18°D38	20°13'	20°34'	12°58'	S 9
S 10	13 13 54	20°22'35"	4°II19	27°16'	24°11'	24° 9	26°26'	14°18'	21°46'	6°20	11°18'	18°39'	20° 9	20°41'	13° 1	S 10
M 11	13 17 51	21°21'24"	17°16'	29°21'	25°25'	24°54'	26°21'	14°13'	21°48'	6°22	11°20'	18°41'	20° 6	20°47'	13° 4	M 11
T 12	13 21 47	22°20'12"	29°51'	1°B25	26°38'	25°39'	26°16'	14° 8	21°50'	6°24	11°21'	18°42'	20° 3	20°54'	13° 7	T 12
W 13	13 25 44	23°18'57"	12°B 9	3°28'	27°51'	26°25'	26°11'	14° 4	21°53'	6°27	11°22'	18°44'	20° 0	21° 1	13°11'	W 13
T 14	13 29 40	24°17'40"	24°14'	5°29'	29° 5'	27°10'	26° 6	13°59'	21°55'	6°29	11°24'	18°R44	19°57'	21° 8	13°14'	T 14
F 15	13 33 37	25°16'20"	6°L10	7°28'	0°V18	27°55'	26° 0	13°55'	21°57'	6°31	11°25'	18°44'	19°53'	21°14'	13°17'	F 15
S 16	13 37 33	26°14'59"	18° 2'	9°25'	1°31'	28°40'	25°54'	13°50'	22° 0	6°33	11°26'	18°42'	19°50'	21°21'	13°20'	S 16
S 17	13 41 30	27°13'35"	29°56'	11°20'	2°44'	29°25'	25°49'	13°46'	22° 2	6°35	11°28'	18°40'	19°47'	21°28'	13°23'	S 17
M 18	13 45 26	28°12'09"	11°M54	13°12'	3°58'	0°K10	25°43'	13°41'	22° 4	6°37	11°29'	18°37'	19°44'	21°34'	13°26'	M 18
T 19	13 49 23	29°10'40"	24° 0'	15° 1'	5°11'	0°56'	25°37'	13°37'	22° 7	6°40	11°30'	18°33'	19°41'	21°41'	13°29'	T 19
W 20	13 53 20	0°B 9'10"	6°L16	16°46'	6°24'	1°41'	25°31'	13°33'	22° 9	6°42	11°32'	18°31'	19°38'	21°48'	13°32'	W 20
T 21	13 57 16	1° 7'38"	18°45'	18°28'	7°38'	2°26'	25°24'	13°28'	22°12'	6°44	11°33'	18°28'	19°34'	21°55'	13°35'	T 21
F 22	14 1 13	2° 6'04"	1°M27	20° 6'	8°51'	3°11'	25°18'	13°24'	22°14'	6°46	11°34'	18°27'	19°31'	22° 1	13°38'	F 22
S 23	14 5 9	3° 4'28"	14°23'	21°40'	10° 4'	3°56'	25°11'	13°20'	22°17'	6°48	11°36'	18°D26	19°28'	22° 8	13°40'	S 23
S 24	14 9 6	4° 2'50"	27°33'	23°10'	11°18'	4°41'	25° 5'	13°16'	22°19'	6°50	11°37'	18°26'	19°25'	22°15'	13°43'	S 24
M 25	14 13 2	5° 1'11"	10°M56	24°35'	12°31'	5°26'	24°58'	13°11'	22°22'	6°52	11°38'	18°27'	19°22'	22°21'	13°46'	M 25
T 26	14 16 59	5°59'30"	24°32'	25°56'	13°44'	6°12'	24°51'	13° 7	22°25'	6°54	11°40'	18°28'	19°18'	22°28'	13°49'	T 26
W 27	14 20 55	6°57'47"	8°B19	27°13'	14°58'	6°57'	24°45'	13° 3	22°27'	6°56	11°41'	18°29'	19°15'	22°35'	13°51'	W 27
T 28	14 24 52	7°56'03"	22°17'	28°25'	16°11'	7°42'	24°38'	12°59'	22°30'	6°58	11°42'	18°30'	19°12'	22°42'	13°54'	T 28
F 29	14 28 49	8°54'17"	6°B23	29°33'	17°24'	8°27'	24°31'	12°55'	22°33'	7° 0	11°44'	18°R30	19° 9	22°48'	13°57'	F 29
S 30	14 32 45	9°B52'30"	20°B37	0°II35	18°V38	9°K12	24°M23	12°L51	22°II36	7°V 2	11°B45	18°M30	19°M 6	22°L55	13°K59	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	decl lat	decl lat
F 1	4n34	16s22	4n45	2n12	1s20	7s46	1s16	16s48	1s13	18s23	1n10	3s22	2n45	23n20	0n 9	1n 5
S 2	4 57	12 51	5 7	3 7	1 12	7 20	1 17	16 35	1 14	18 22	1 10	3 20	2 45	23 20	0 9	1 5
S 3	5 20	8 30	5 10	4 3	1 4	6 53	1 19	16 21	1 15	18 21	1 10	3 19	2 45	23 20	0 9	1 6
M 4	5 43	3 36	4 52	4 59	0 55	6 26	1 20	16 8	1 15	18 20	1 10	3 17	2 45	23 20	0 9	1 7
T 5	6 6	1n31	4 15	5 55	0 46	5 58	1 22	15 54	1 16	18 19	1 10	3 15	2 45	23 20	0 9	1 8
W 6	6 28	6 31	3 21	6 51	0 36	5 31	1 23	15 40	1 17	18 18	1 10	3 13	2 45	23 20	0 9	1 9
T 7	6 51	11 5	2 15	7 48	0 26	5 3	1 25	15 27	1 18	18 17	1 10	3 11	2 45	23 20	0 9	1 10
F 8	7 13	14 55	1 2	8 44	0 16	4 35	1 26	15 12	1 18	18 16	1 10	3 10	2 45	23 20	0 9	1 11
S 9	7 36	17 48	0s13	9 40	0 5	4 7	1 27	14 58	1 19	18 15	1 10	3 8	2 45	23 21	0 9	1 12
S 10	7 58	19 38	1 25	10 36	0n 6	3 39	1 28	14 44	1 20	18 14	1 10	3 6	2 45	23 21	0 9	1 12
M 11	8 20	20 21	2 31	11 31	0 17	3 11	1 29	14 30	1 20	18 13	1 10	3 4	2 45	23 21	0 9	1 13
T 12	8 42	20 0	3 27	12 24	0 28	2 43	1 30	14 15	1 21	18 11	1 10	3 2	2 45	23 21	0 9	1 14
W 13	9 4	18 42	4 13	13 17	0 39	2 15	1 31	14 0	1 22	18 10	1 10	3 1	2 45	23 21	0 9	1 15
T 14	9 26	16 35	4 46	14 9	0 50	1 46	1 32	13 45	1 23	18 9	1 11	2 59	2 45	23 21	0 9	1 16
F 15	9 47	13 47	5 7	14 58	1 1	1 18	1 32	13 31	1 23	18 8	1 11	2 57	2 45	23 21	0 9	1 17
S 16	10 8	10 27	5 14	15 46	1 12	0 49	1 33	13 15	1 24	18 6	1 11	2 56	2 45	23 22	0 9	1 18
S 17	10 30	6 41	5 8	16 32	1 22	0 20	1 33	13 0	1 25	18 5	1 11	2 54	2 45	23 22	0 9	1 18
M 18	10 51	2 39	4 49	17 16	1 32	0n 8	1 34	12 45	1 25	18 3	1 11	2 52	2 45	23 22	0 9	1 19
T 19	11 11	1s32	4 17	17 58	1 42	0 37	1 34	12 30	1 26	18 2	1 11	2 51	2 45	23 22	0 9	1 20
W 20	11 32	5 44	3 32	18 38	1 51	1 6	1 35	12 14	1 27	18 0	1 11	2 49	2 45	23 22	0 9	1 21
T 21	11 52	9 46	2 37	19 15	1 59	1 34	1 35	11 58	1 27	17 59	1 11	2 47	2 45	23 22	0 9	1 22
F 22	12 13	13 26	1 32	19 49	2 7	2 3	1 35	11 43	1 28	17 57	1 11	2 46	2 45	23 22	0 9	1 23
S 23	12 33	16 31	0 22	20 21	2 14	2 32	1 35	11 27	1 29	17 56	1 11	2 44	2 45	23 23	0 9	1 23
S 24	12 53	18 49	0n50	20 50	2 21	3 0	1 35	11 11	1 29	17 54	1 11	2 43	2 44	23 23	0 9	1 24
M 25	13 12	20 6	2 1	21 17	2 26	3 29	1 35	10 55	1 30	17 53	1 11	2 41	2 44	23 23	0 9	1 25
T 26	13 32	20 14	3 7	21 42	2 31	3 58	1 35	10 39	1 31	17 51	1 11	2 40	2 44	23 23	0 9	1 26
W 27	13 51	19 10	4 2	22 3	2 35	4 26	1 35	10 23	1 31	17 49	1 11	2 38	2 44	23 23	0 9	1 26
T 28	14 10	16 56	4 44	22 23	2 37	4 54	1 35	10 7	1 32	17 48	1 11	2 37	2 44	23 23	0 9	1 27
F 29	14 29	13 41	5 10	22 40	2 39	5 23	1 35	9 50	1 33	17 46	1 11	2 35	2 44	23 24	0 9	1 28
S 30	14n47	9s37	5n16	22n54	2n40	5n51	1s34	9s34	1s33	17s44	1n11	2s34	2n44	23n24	0n 9	1n29

Julian Day Number = 2401962.5, Delta T = 8.63 sec

Ecliptic obliquity = 23°27'20", Nutation = 0°00'13", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°50'41", Lahiri = 21°57'41"

ASTRODIENST EPHEMERIS for the year 1864

geocentric

MAY 1864

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 36 42	10°50'41	4°56	1°33	19°51	9°57	24°R16	12°R48	22°39	7°Y 4	11°846	18°R29	19°M 3	23°Ω 2	14°K 2	S 1
M 2	14 40 38	11°48'51	19°16	2°26	21° 4	10°42	24°M 9	12°A44	22°42	7° 6	11°48	18°M29	18°59	23° 9	14° 4	M 2
T 3	14 44 35	12°46'59	3°Y34	3°14	22°18	11°27	24° 2	12°40	22°44	7° 8	11°49	18°28	18°56	23°15	14° 6	T 3
W 4	14 48 31	13°45'06	17°46	3°57	23°31	12°12	23°54	12°37	22°47	7°10	11°51	18°27	18°53	23°22	14° 9	W 4
T 5	14 52 28	14°43'12	1°847	4°35	24°44	12°57	23°47	12°33	22°50	7°12	11°52	18°27	18°50	23°29	14°11	T 5
F 6	14 56 24	15°41'16	15°34	5° 8	25°58	13°42	23°39	12°29	22°53	7°14	11°53	18°D27	18°47	23°35	14°13	F 6
S 7	15 0 21	16°39'18	29° 4	5°36	27°11	14°27	23°32	12°26	22°56	7°16	11°55	18°27	18°44	23°42	14°16	S 7
S 8	15 4 17	17°37'18	12°15	5°58	28°24	15°12	23°24	12°23	22°59	7°17	11°56	18°27	18°40	23°49	14°18	S 8
M 9	15 8 14	18°35'17	25° 8	6°16	29°38	15°57	23°17	12°19	23° 3	7°19	11°57	18°R27	18°37	23°56	14°20	M 9
T 10	15 12 11	19°33'15	7°342	6°28	0°51	16°42	23° 9	12°16	23° 6	7°21	11°59	18°27	18°34	24° 2	14°22	T 10
W11	15 16 7	20°31'10	20° 1	6°35	2° 4	17°27	23° 2	12°13	23° 9	7°23	12° 0	18°27	18°31	24° 9	14°24	W11
T 12	15 20 4	21°29'04	2°Ω 8	6°R37	3°18	18°12	22°54	12°10	23°12	7°25	12° 1	18°27	18°28	24°16	14°26	T 12
F 13	15 24 0	22°26'56	14° 6	6°35	4°31	18°57	22°46	12° 7	23°15	7°26	12° 3	18°26	18°24	24°23	14°28	F 13
S 14	15 27 57	23°24'46	25°59	6°27	5°45	19°42	22°39	12° 4	23°18	7°28	12° 4	18°D26	18°21	24°29	14°30	S 14
S 15	15 31 53	24°22'34	7°M53	6°16	6°58	20°26	22°31	12° 1	23°21	7°30	12° 5	18°27	18°18	24°36	14°32	S 15
M16	15 35 50	25°20'21	19°52	5°59	8°11	21°11	22°23	11°58	23°25	7°32	12° 7	18°27	18°15	24°43	14°34	M16
T 17	15 39 46	26°18'06	2°A 0	5°40	9°25	21°56	22°16	11°56	23°28	7°33	12° 8	18°28	18°12	24°49	14°35	T 17
W18	15 43 43	27°15'49	14°22	5°16	10°38	22°41	22° 8	11°53	23°31	7°35	12° 9	18°29	18° 9	24°56	14°37	W18
T 19	15 47 40	28°13'31	26°59	4°50	11°51	23°25	22° 1	11°51	23°35	7°36	12°11	18°29	18° 5	25° 3	14°39	T 19
F 20	15 51 36	29°11'12	9°M55	4°20	13° 5	24°10	21°53	11°48	23°38	7°38	12°12	18°30	18° 2	25°10	14°40	F 20
S 21	15 55 33	0°II 8'51	23° 9	3°49	14°18	24°54	21°46	11°46	23°41	7°40	12°13	18°R30	17°59	25°16	14°42	S 21
S 22	15 59 29	1° 6'28	6°A42	3°16	15°31	25°39	21°38	11°44	23°45	7°41	12°15	18°29	17°56	25°23	14°43	S 22
M23	16 3 26	2° 4'05	20°32	2°43	16°45	26°23	21°31	11°42	23°48	7°43	12°16	18°28	17°53	25°30	14°45	M23
T 24	16 7 22	3° 1'41	4°B35	2° 8	17°58	27° 8	21°23	11°40	23°51	7°44	12°17	18°27	17°50	25°36	14°46	T 24
W25	16 11 19	3°59'15	18°47	1°35	19°11	27°52	21°16	11°38	23°55	7°46	12°18	18°25	17°46	25°43	14°47	W25
T 26	16 15 16	4°56'49	3°A 5	1° 1	20°25	28°37	21° 9	11°36	23°58	7°47	12°20	18°23	17°43	25°50	14°49	T 26
F 27	16 19 12	5°54'21	17°25	0°30	21°38	29°21	21° 1	11°34	24° 2	7°48	12°21	18°21	17°40	25°57	14°50	F 27
S 28	16 23 9	6°51'53	1°K42	29°B59	22°52	0°Y 6	20°54	11°32	24° 5	7°50	12°22	18°D21	17°37	26° 3	14°51	S 28
S 29	16 27 5	7°49'24	15°54	29°33	24° 5	0°50	20°47	11°31	24° 8	7°51	12°24	18°21	17°34	26°10	14°52	S 29
M30	16 31 2	8°46'54	29°58	29° 8	25°18	1°34	20°40	11°29	24°12	7°52	12°25	18°22	17°30	26°17	14°53	M30
T 31	16 34 58	9°II44'23	13°Y54	28°B47	26°B32	2°Y18	20°M33	11°A28	24°II15	7°Y54	12°B26	18°M23	17°M27	26°Ω24	14°K54	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n 5	5s 0	5n 4	23n 6	2n40	6n19	1s34	9s17	1s34	17s42	1n11	2s33	2n44	23n24	0n 9	1n30	1s26
M 2	15 23	0 5	4 32	23 16	2 39	6 47	1 33	9 1	1 35	17 41	1 11	2 31	2 44	23 24	0 9	1 30	1 26
T 3	15 41	4n50	3 44	23 23	2 37	7 15	1 33	8 44	1 35	17 39	1 11	2 30	2 43	23 24	0 9	1 31	1 26
W 4	15 59	9 28	2 42	23 28	2 34	7 43	1 32	8 28	1 36	17 37	1 11	2 29	2 43	23 24	0 9	1 32	1 26
T 5	16 16	13 32	1 31	23 31	2 29	8 10	1 31	8 11	1 36	17 35	1 11	2 27	2 43	23 24	0 9	1 32	1 26
F 6	16 33	16 46	0 16	23 32	2 24	8 38	1 31	7 54	1 37	17 34	1 11	2 26	2 43	23 25	0 9	1 33	1 26
S 7	16 50	19 1	0s59	23 30	2 17	9 5	1 30	7 37	1 38	17 32	1 11	2 25	2 43	23 25	0 9	1 34	1 26
S 8	17 6	20 10	2 8	23 27	2 10	9 32	1 29	7 20	1 38	17 30	1 10	2 24	2 43	23 25	0 9	1 35	1 26
M 9	17 22	20 12	3 10	23 21	2 1	9 58	1 28	7 3	1 39	17 28	1 10	2 23	2 42	23 25	0 9	1 35	1 26
T 10	17 38	19 14	4 0	23 13	1 51	10 25	1 27	6 47	1 39	17 26	1 10	2 22	2 42	23 25	0 9	1 36	1 26
W11	17 53	17 22	4 39	23 4	1 40	10 51	1 26	6 30	1 40	17 24	1 10	2 21	2 42	23 25	0 9	1 37	1 26
T 12	18 9	14 45	5 4	22 52	1 28	11 17	1 25	6 12	1 40	17 23	1 10	2 20	2 42	23 26	0 9	1 37	1 26
F 13	18 24	11 34	5 16	22 39	1 15	11 43	1 24	5 55	1 41	17 21	1 10	2 19	2 42	23 26	0 9	1 38	1 26
S 14	18 38	7 56	5 14	22 24	1 1	12 9	1 22	5 38	1 41	17 19	1 10	2 18	2 42	23 26	0 9	1 39	1 26
S 15	18 53	3 59	4 59	22 7	0 46	12 34	1 21	5 21	1 42	17 17	1 10	2 17	2 41	23 26	0 9	1 39	1 26
M16	19 7	0s 8	4 31	21 49	0 31	12 59	1 20	5 4	1 42	17 15	1 10	2 16	2 41	23 26	0 9	1 40	1 27
T 17	19 20	4 19	3 50	21 30	0 14	13 24	1 18	5 47	1 43	17 13	1 10	2 15	2 41	23 26	0 9	1 40	1 27
W18	19 34	8 24	2 58	21 9	0s 2	13 48	1 17	4 30	1 43	17 12	1 10	2 14	2 41	23 27	0 9	1 41	1 27
T 19	19 47	12 13	1 56	20 48	0 20	14 12	1 15	4 12	1 44	17 10	1 10	2 13	2 41	23 27	0 9	1 42	1 27
F 20	19 59	15 33	0 47	20 25	0 37	14 36	1 14	3 55	1 44	17 8	1 9	2 13	2 40	23 27	0 9	1 42	1 27
S 21	20 12	18 10	0n26	20 2	0 55	14 59	1 12	3 38	1 45	17 6	1 9	2 12	2 40	23 27	0 9	1 43	1 27
S 22	20 24	19 49	1 39	19 39	1 12	15 22	1 11	3 20	1 45	17 4	1 9	2 11	2 40	23 27	0 9	1 43	1 27
M23	20 35	20 19	2 48	19 15	1 29	15 45	1 9	3 3	1 46	17 3	1 9	2 10	2 40	23 27	0 9	1 44	1 27
T 24	20 47	19 35	3 48	18 52	1 46	16 7	1 7	2 46	1 46	17 1	1 9	2 10	2 40	23 28	0 9	1 44	1 27
W25	20 58	17 36	4 34	18 29	2 3	16 29	1 5	2 29	1 47	16 59	1 9	2 9	2 39	23 28	0 9	1 45	1 27
T 26	21 8	14 32	5 4	18 7	2 19	16 51	1 4	2 11	1 47	16 57	1 9	2 9	2 39	23 28	0 9	1 45	1 27
F 27	21 18	10 37	5 15	17 46	2 34	17 12	1 2	1 54	1 48	16 55	1 8	2 8	2 39	23 28	0 9	1 46	1 27
S 28	21 28	6 6	5 7	17 26	2 48	17 32	1 0	1 37	1 48	16 54	1 8	2 8	2 39	23 28	0 9	1 46	1 27
S 29	21 38	1 16	4 40	17 7	3 1	17 52	0 58	1 20	1 48	16 52	1 8	2 7	2 39	23 28	0 9	1 47	1 27
M30	21 47	3n36	3 56	16 50	3 13	18 12	0 56	1 2	1 49	16 50	1 8	2 7	2 38	23 29	0 9	1 47	1 27
T 31	21n56	8n14	2n59	16n35	3s24	18n31	0s54	0s45	1s49	16s49	1n 8	2s 7	2n38	23n29	0n 9	1n48	1s27

Julian Day Number = 2401992.5, Delta T = 8.59 sec

Ecliptic obliquity = 23°27'19, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°50'45, Lahiri = 21°57'45

ASTRODIENST EPHEMERIS for the year 1864

geocentric

JUNE 1864

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 38 55	10 ^{II} 41'52	27 ^{VI} 39	28 ^R 29	27 ^{II} 45	3 ^{VI} 2	20 ^R 27	11 ^R 27	24 ^{II} 19	7 ^{VI} 55	12 ^{II} 27	18 ^{II} 24	17 ^{II} 24	26 ^{II} 30	14 ^{II} 55	W 1	
T 2	16 42 51	11°39'20	11 ^{II} 13	28 ^{II} 15	28°59	3°47	20 ^{II} 20	11 ^{II} 25	24°22	7°56	12°28	18°25	17°21	26°37	14°56	T 2	
F 3	16 46 48	12°36'47	24°35	28° 5	0 ^{II} 12	4°31	20°13	11°24	24°26	7°57	12°30	18 ^R 25	17°18	26°44	14°57	F 3	
S 4	16 50 44	13°34'13	7 ^{II} 44	27°59	1°26	5°15	20° 7	11°23	24°29	7°59	12°31	18°24	17°15	26°50	14°58	S 4	
S 5	16 54 41	14°31'38	20°39	27°D58	2°39	5°59	20° 0	11°22	24°33	8° 0	12°32	18°22	17°11	26°57	14°59	S 5	
M 6	16 58 38	15°29'03	3 ^{II} 19	28° 1	3°52	6°42	19°54	11°22	24°37	8° 1	12°33	18°18	17° 8	27° 4	14°59	M 6	
T 7	17 2 34	16°26'27	15°47	28° 9	5° 6	7°26	19°48	11°21	24°40	8° 2	12°34	18°14	17° 5	27°11	15° 0	T 7	
W 8	17 6 31	17°23'49	28° 2	28°21	6°19	8°10	19°42	11°20	24°44	8° 3	12°36	18° 9	17° 2	27°17	15° 0	W 8	
T 9	17 10 27	18°21'11	10 ^{II} 6	28°37	7°33	8°54	19°36	11°20	24°47	8° 4	12°37	18° 4	16°59	27°24	15° 1	T 9	
F 10	17 14 24	19°18'32	22° 3	28°58	8°46	9°37	19°30	11°19	24°51	8° 5	12°38	18° 0	16°56	27°31	15° 1	F 10	
S 11	17 18 20	20°15'52	3 ^{III} 56	29°24	10° 0	10°21	19°24	11°19	24°54	8° 6	12°39	17°58	16°52	27°37	15° 2	S 11	
S 12	17 22 17	21°13'10	15°49	29°54	11°13	11° 4	19°19	11°19	24°58	8° 7	12°40	17°D56	16°49	27°44	15° 2	S 12	
M13	17 26 14	22°10'28	27°47	0 ^{II} 28	12°27	11°48	19°13	11°D19	25° 2	8° 8	12°41	17°56	16°46	27°51	15° 2	M13	
T 14	17 30 10	23° 7'45	9 ^{II} 54	1° 7	13°40	12°31	19° 8	11°19	25° 5	8° 9	12°42	17°57	16°43	27°58	15° 3	T 14	
W15	17 34 7	24° 5'02	22°16	1°49	14°54	13°14	19° 3	11°19	25° 9	8°10	12°43	17°59	16°40	28° 4	15° 3	W15	
T 16	17 38 3	25° 2'17	4 ^{III} 57	2°36	16° 7	13°58	18°58	11°19	25°12	8°11	12°44	18° 0	16°36	28°11	15° 3	T 16	
F 17	17 42 0	25°59'32	17°59	3°27	17°21	14°41	18°53	11°19	25°16	8°11	12°45	18 ^R 1	16°33	28°18	15° 3	F 17	
S 18	17 45 56	26°56'46	1 ^{II} 25	4°22	18°34	15°24	18°48	11°20	25°19	8°12	12°46	18° 0	16°30	28°25	15°R 3	S 18	
S 19	17 49 53	27°53'59	15°16	5°20	19°48	16° 7	18°44	11°20	25°23	8°13	12°47	17°58	16°27	28°31	15° 3	S 19	
M20	17 53 49	28°51'12	29°28	6°23	21° 1	16°50	18°39	11°21	25°27	8°14	12°49	17°53	16°24	28°38	15° 3	M20	
T 21	17 57 46	29°48'25	13 ^{II} 58	7°29	22°15	17°33	18°35	11°22	25°30	8°14	12°49	17°48	16°21	28°45	15° 3	T 21	
W22	18 1 43	0 ^{II} 45'37	28°38	8°39	23°28	18°16	18°31	11°22	25°34	8°15	12°50	17°42	16°17	28°51	15° 3	W22	
T 23	18 5 39	1°42'49	13 ^{II} 22	9°52	24°42	18°58	18°27	11°23	25°37	8°16	12°51	17°35	16°14	28°58	15° 2	T 23	
F 24	18 9 36	2°40'01	28° 2	11°10	25°55	19°41	18°23	11°24	25°41	8°16	12°52	17°30	16°11	29° 5	15° 2	F 24	
S 25	18 13 32	3°37'13	12 ^{II} 32	12°30	27° 9	20°23	18°19	11°25	25°44	8°17	12°53	17°26	16° 8	29°12	15° 2	S 25	
S 26	18 17 29	4°34'25	26°48	13°55	28°23	21° 6	18°16	11°27	25°48	8°17	12°54	17°25	16° 5	29°18	15° 1	S 26	
M27	18 21 25	5°31'37	10 ^{VI} 48	15°23	29°36	21°48	18°13	11°28	25°52	8°18	12°55	17°D24	16° 2	29°25	15° 1	M27	
T 28	18 25 22	6°28'49	24°31	16°54	0 ^{II} 50	22°31	18°10	11°29	25°55	8°18	12°56	17°25	15°58	29°32	15° 0	T 28	
W29	18 29 18	7°26'02	7 ^{II} 58	18°29	2° 4	23°13	18° 7	11°31	25°59	8°19	12°57	17°26	15°55	29°38	14°59	W29	
T 30	18 33 15	8°23'14	21 ^{II} 11	20 ^{II} 7	3 ^{II} 17	23°55	18 ^{II} 4	11 ^{II} 32	26 ^{II} 2	8°19	12 ^{II} 58	17°R27	15 ^{II} 52	29°II45	14°II59	T 30	

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ASTRODIENST EPHEMERIS for the year 1864
geocentric

JULY 1864

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 37 12	9 ⁵² 20'27	4 ¹¹ 11	21 ¹¹ 48	4 ⁵³ 31	24 ¹⁷ 37	18°R 1	11 ¹² 34	26 ¹¹ 6	8 ¹⁷ 19	12 ¹⁸ 59	17°R25	15 ¹¹ 49	29 ¹⁵ 52	14°R58	F 1
S 2	18 41 8	10°17'40	16°58	23°33	5°45	25°19	17 ¹¹ 59	11°36	26°9	8°20	12°59	17 ¹¹ 22	15°46	29°59	14 ¹¹ 57	S 2
S 3	18 45 5	11°14'53	29°35	25°20	6°58	26°1	17°57	11°38	26°13	8°20	13°0	17°16	15°42	0 ¹¹ 5	14°56	S 3
M 4	18 49 1	12°12'06	12 ¹² 1	27°11	8°12	26°42	17°55	11°40	26°16	8°20	13°1	17°8	15°39	0°12	14°56	M 4
T 5	18 52 58	13°9'19	24°17	29°4	9°26	27°24	17°53	11°42	26°20	8°20	13°2	16°58	15°36	0°19	14°55	T 5
W 6	18 56 54	14°6'32	6 ¹² 25	1 ¹² 0	10°39	28°5	17°51	11°44	26°23	8°21	13°3	16°47	15°33	0°26	14°54	W 6
T 7	19 0 51	15°3'45	18°25	2°59	11°53	28°47	17°49	11°46	26°26	8°21	13°3	16°37	15°30	0°32	14°53	T 7
F 8	19 4 47	16°0'58	0 ¹¹ 19	5°0	13°7	29°28	17°48	11°49	26°30	8°21	13°4	16°28	15°27	0°39	14°52	F 8
S 9	19 8 44	16°58'11	12°10	7°3	14°21	0 ¹¹ 9	17°47	11°51	26°33	8°21	13°5	16°20	15°23	0°46	14°50	S 9
S 10	19 12 41	17°55'24	24°1	9°7	15°34	0°50	17°46	11°54	26°37	8°21	13°5	16°15	15°20	0°52	14°49	S 10
M 11	19 16 37	18°52'37	5 ¹² 57	11°13	16°48	1°31	17°45	11°56	26°40	8°R21	13°6	16°12	15°17	0°59	14°48	M 11
T 12	19 20 34	19°49'50	18°2	13°20	18°2	2°12	17°45	11°59	26°43	8°21	13°7	16°D11	15°14	1°6	14°47	T 12
W 13	19 24 30	20°47'03	0 ¹¹ 21	15°28	19°16	2°52	17°44	12°2	26°47	8°21	13°7	16°12	15°11	1°13	14°45	W 13
T 14	19 28 27	21°44'16	12°59	17°37	20°30	3°33	17°44	12°5	26°50	8°21	13°8	16°R12	15°7	1°19	14°44	T 14
F 15	19 32 23	22°41'29	26°1	19°45	21°43	4°13	17°D44	12°8	26°53	8°21	13°8	16°12	15°4	1°26	14°43	F 15
S 16	19 36 20	23°38'43	9 ¹² 30	21°54	22°57	4°54	17°44	12°11	26°57	8°21	13°9	16°10	15°1	1°33	14°41	S 16
S 17	19 40 16	24°35'57	23°28	24°2	24°11	5°34	17°44	12°14	27°0	8°21	13°10	16°5	14°58	1°39	14°40	S 17
M 18	19 44 13	25°33'11	7 ¹² 52	26°10	25°25	6°14	17°45	12°17	27°3	8°20	13°10	15°59	14°55	1°46	14°38	M 18
T 19	19 48 10	26°30'25	22°39	28°17	26°39	6°54	17°45	12°20	27°7	8°20	13°11	15°50	14°52	1°53	14°36	T 19
W 20	19 52 6	27°27'40	7 ¹² 41	0 ¹² 23	27°53	7°34	17°46	12°24	27°10	8°20	13°11	15°40	14°48	2°0	14°35	W 20
T 21	19 56 3	28°24'56	22°48	2°28	29°7	8°13	17°47	12°27	27°13	8°20	13°12	15°30	14°45	2°6	14°33	T 21
F 22	19 59 59	29°22'12	7 ¹² 50	4°32	0 ¹² 20	8°53	17°48	12°31	27°16	8°19	13°12	15°21	14°42	2°13	14°31	F 22
S 23	20 3 56	0 ¹² 19'29	22°38	6°34	1°34	9°32	17°50	12°35	27°19	8°19	13°13	15°15	14°39	2°20	14°29	S 23
S 24	20 7 52	1°16'47	7 ¹² 19	8°35	2°48	10°11	17°51	12°38	27°22	8°18	13°13	15°10	14°36	2°26	14°27	S 24
M 25	20 11 49	2°14'06	21°11	10°34	4°2	10°50	17°53	12°42	27°26	8°18	13°13	15°9	14°33	2°33	14°26	M 25
T 26	20 15 45	3°11'26	4 ¹² 53	12°32	5°16	11°29	17°55	12°46	27°29	8°18	13°14	15°D 8	14°29	2°40	14°24	T 26
W 27	20 19 42	4°8'47	18°13	14°28	6°30	12°8	17°57	12°50	27°32	8°17	13°14	15°R 8	14°26	2°47	14°22	W 27
T 28	20 23 39	5°6'09	1 ¹² 14	16°23	7°44	12°47	17°59	12°54	27°35	8°17	13°14	15°8	14°23	2°53	14°20	T 28
F 29	20 27 35	6°3'32	13°59	18°16	8°58	13°25	18°2	12°58	27°38	8°16	13°15	15°5	14°20	3°0	14°18	F 29
S 30	20 31 32	7°0'56	26°31	20°7	10°12	14°3	18°4	13°3	27°41	8°15	13°15	15°0	14°17	3°7	14°15	S 30
S 31	20 35 28	7 ¹² 58'22	8 ¹² 53	21 ¹² 57	11 ¹² 26	14 ¹² 41	18 ¹² 11	13 ¹² 13	27 ¹² 11	8 ¹² 15	13 ¹² 15	14 ¹² 51	14 ¹² 13	3 ¹² 13	14 ¹² 13	S 31

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F 1	23n 8	19n32	1s29	22n 6	1s 6	23n41	0n18	7n45	1s56	16s14	1n 1	2s16	2n30	23n33	0n 9	1n57	1s29	0n49	15s38	17s 3	16s35	6n51	1s 5	5n15
S 2	23 3	20 18	2 32	22 24	0 54	23 40	0 20	8 0	1 56	16 14	1 1	2 17	2 30	23 33	0 9	1 57	1 29	0 49	15 38	17 2	16 34	6 49	1 5	5 15
S 3	22 59	20 1	3 26	22 41	0 41	23 39	0 23	8 15	1 56	16 13	1 1	2 18	2 30	23 33	0 9	1 57	1 29	0 49	15 38	17 0	16 33	6 47	1 5	5 15
M 4	22 54	18 46	4 10	22 56	0 29	23 37	0 25	8 30	1 56	16 13	1 0	2 19	2 30	23 33	0 9	1 57	1 29	0 49	15 38	16 58	16 32	6 45	1 6	5 15
T 5	22 48	16 40	4 41	23 10	0 17	23 34	0 27	8 45	1 56	16 13	1 0	2 20	2 29	23 33	0 9	1 57	1 29	0 49	15 39	16 55	16 31	6 42	1 6	5 16
W 6	22 42	13 51	4 59	23 22	0 5	23 31	0 29	9 0	1 55	16 12	1 0	2 21	2 29	23 34	0 9	1 57	1 29	0 49	15 39	16 52	16 30	6 40	1 6	5 16
T 7	22 36	10 30	5 4	23 32	0n 6	23 27	0 32	9 15	1 55	16 12	1 0	2 22	2 29	23 34	0 9	1 57	1 29	0 49	15 39	16 49	16 29	6 38	1 6	5 16
F 8	22 30	6 45	4 55	23 39	0 17	23 22	0 34	9 29	1 55	16 12	0 59	2 23	2 29	23 34	0 9	1 57	1 29	0 49	15 39	16 46	16 29	6 36	1 6	5 16
S 9	22 23	2 47	4 34	23 44	0 28	23 17	0 36	9 44	1 55	16 12	0 59	2 25	2 28	23 34	0 9	1 57	1 29	0 48	15 40	16 44	16 28	6 34	1 7	5 16
S 10	22 15	1s19	4 1	23 47	0 38	23 11	0 38	9 58	1 55	16 12	0 59	2 26	2 28	23 34	0 9	1 57	1 29	0 48	15 40	16 43	16 27	6 32	1 7	5 17
M11	22 7	5 23	3 17	23 47	0 48	23 4	0 40	10 13	1 55	16 12	0 59	2 27	2 28	23 34	0 9	1 57	1 29	0 48	15 40	16 42	16 26	6 30	1 7	5 17
T 12	21 59	9 18	2 24	23 44	0 57	22 56	0 42	10 27	1 55	16 12	0 58	2 28	2 28	23 34	0 9	1 57	1 29	0 48	15 41	16 42	16 25	6 28	1 7	5 17
W13	21 51	12 54	1 24	23 38	1 5	22 48	0 44	10 41	1 55	16 12	0 58	2 30	2 27	23 34	0 9	1 57	1 30	0 48	15 41	16 42	16 24	6 25	1 8	5 17
T 14	21 42	16 1	0 17	23 30	1 13	22 39	0 46	10 55	1 55	16 12	0 58	2 31	2 27	23 34	0 9	1 56	1 30	0 48	15 41	16 42	16 23	6 23	1 8	5 17
F 15	21 33	18 26	0n52	23 19	1 20	22 30	0 48	11 8	1 55	16 12	0 58	2 32	2 27	23 34	0 9	1 56	1 30	0 48	15 41	16 42	16 22	6 21	1 8	5 18
S 16	21 23	19 54	2 1	23 5	1 26	22 20	0 50	11 22	1 54	16 13	0 57	2 34	2 27	23 35	0 9	1 56	1 30	0 48	15 42	16 41	16 21	6 19	1 9	5 18
S 17	21 13	20 14	3 4	22 49	1 31	22 9	0 52	11 35	1 54	16 13	0 57	2 35	2 27	23 35	0 9	1 56	1 30	0 48	15 42	16 40	16 20	6 17	1 9	5 18
M18	21 3	19 15	3 58	22 30	1 36	21 57	0 54	11 49	1 54	16 13	0 57	2 37	2 26	23 35	0 9	1 56	1 30	0 48	15 42	16 38	16 19	6 15	1 10	5 18
T 19	20 52	16 59	4 38	22 9	1 40	21 45	0 56	12 2	1 54	16 14	0 57	2 38	2 26	23 35	0 9	1 56	1 30	0 47	15 43	16 35	16 18	6 13	1 10	5 18
W20	20 41	13 32	4 59	21 45	1 43	21 32	0 58	12 15	1 54	16 14	0 56	2 40	2 26	23 35	0 9	1 56	1 30	0 47	15 43	16 32	16 17	6 11	1 11	5 18
T 21	20 30	9 12	4 59	21 20	1 45	21 19	0 59	12 28	1 53	16 15	0 56	2 41	2 26	23 35	0 9	1 56	1 30	0 47	15 43	16 30	16 16	6 8	1 11	5 19
F 22	20 18	4 19	4 39	20 52	1 47	21 5	1 1	12 41	1 53	16 15	0 56	2 43	2 25	23 35	0 9	1 55	1 30	0 47	15 43	16 27	16 16	6 6	1 12	5 19
S 23	20 6	0n45	4 0	20 23	1 47	20 50	1 3	12 54	1 53	16 16	0 56	2 45	2 25	23 35	0 9	1 55	1 30	0 47	15 44	16 25	16 15	6 4	1 12	5 19
S 24	19 53	5 41	3 7	19 52	1 48	20 35	1 4	13 6	1 53	16 17	0 55	2 46	2 25	23 35	0 10	1 55	1 30	0 47	15 44	16 24	16 14	6 2	1 13	5 19
M25	19 40	10 11	2 3	19 19	1 47	20 19	1 6	13 19	1 52	16 18	0 55	2 48	2 25	23 35	0 10	1 55	1 30	0 47	15 44	16 23	16 13	6 0	1 13	5 19
T 26	19 27	14 0	0 54	18 45	1 46	20 3	1 7	13 31	1 52	16 18	0 55	2 50	2 25	23 35	0 10	1 55	1 30	0 46	15 45	16 23	16 12	5 58	1 14	5 19
W27	19 14	17 0	0s16	18 10	1 44	19 46	1 9	13 43	1 52	16 19	0 55	2 51	2 24	23 35	0 10	1 54	1 30	0 46	15 45	16 23	16 11	5 56	1 15	5 20
T 28	19 0	19 3	1 24	17 33	1 42	19 29	1 10	13 55	1 51	16 20	0 54	2 53	2 24	23 36	0 10	1 54	1 30	0 46	15 45	16 23	16 10	5 54	1 15	5 20
F 29	18 46	20 4	2 26	16 56	1 39	19 10	1 11	14 7	1 51	16 21	0 54	2 55	2 24	23 36	0 10	1 54	1 30	0 46	15 45	16 22	16 9	5 52	1 16	5 20
S 30	18 32	20 5	3 20	16 18	1 36	18 52	1 13	14 18	1 51	16 22	0 54	2 57	2 24	23 36	0 10	1 54	1 30	0 46	15 46	16 21	16 8	5 49	1 16	5 20
S 31	18n17	19n 7	4s 3	15n39	1n32	18n33	1n14	14n30	1s50	16s23	0n54	2s59	2n23	23n36	0n10	1n53	1s31	0n45	15s46	16s18	16s 7	5n47	1s17	5n20

Julian Day Number = 2402053.5, Delta T = 8.52 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°50'53, Lahiri = 21°57'54

ASTRODIENST EPHEMERIS for the year 1864
geocentric

SEPTEMBER 1864

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 38	8♐45'45	5♐59	5♐37	20♐59	3♐8	21♐1	16♐0	28♐59	7°R41	13°R13	11°R17	12♐32	6♐48	12°R50	T 1
F 2	22 45 35	9°43'54	17°50	6°22	22°14	3°38	21°9	16°7	29°1	7°Y40	13♐13	11♐6	12°29	6°55	12♐47	F 2
S 3	22 49 31	10°42'05	29°42	7°5	23°28	4°8	21°16	16°13	29°3	7°39	13°12	10°57	12°25	7°2	12°44	S 3
S 4	22 53 28	11°40'18	11♐36	7°43	24°42	4°38	21°24	16°20	29°4	7°37	13°12	10°50	12°22	7°8	12°42	S 4
M 5	22 57 24	12°38'32	23°36	8°18	25°57	5°7	21°33	16°26	29°6	7°36	13°11	10°46	12°19	7°15	12°39	M 5
T 6	23 1 21	13°36'48	5♐44	8°48	27°11	5°36	21°41	16°33	29°7	7°34	13°11	10°D45	12°16	7°22	12°36	T 6
W 7	23 5 17	14°35'05	18°3	9°13	28°25	6°5	21°49	16°39	29°9	7°33	13°10	10°45	12°13	7°29	12°33	W 7
T 8	23 9 14	15°33'24	0♐39	9°34	29°39	6°33	21°58	16°46	29°10	7°31	13°10	10°46	12°10	7°35	12°30	T 8
F 9	23 13 10	16°31'44	13°34	9°49	0♐54	7°1	22°7	16°52	29°11	7°30	13°9	10°R47	12°6	7°42	12°27	F 9
S 10	23 17 7	17°30'07	26°53	9°59	2°8	7°28	22°15	16°59	29°13	7°28	13°9	10°46	12°3	7°49	12°24	S 10
S 11	23 21 3	18°28'30	10♐39	10°R 3	3°22	7°55	22°24	17°6	29°14	7°27	13°8	10°44	12°0	7°55	12°22	S 11
M12	23 25 0	19°26'55	24°52	10°0	4°37	8°22	22°33	17°12	29°15	7°25	13°8	10°40	11°57	8°2	12°19	M12
T 13	23 28 57	20°25'22	9♐32	9°52	5°51	8°48	22°42	17°19	29°16	7°23	13°7	10°34	11°54	8°9	12°16	T 13
W14	23 32 53	21°23'51	24°33	9°36	7°5	9°14	22°52	17°26	29°18	7°22	13°6	10°27	11°50	8°15	12°13	W14
T 15	23 36 50	22°22'21	9♐46	9°13	8°19	9°39	23°1	17°33	29°19	7°20	13°6	10°19	11°47	8°22	12°10	T 15
F 16	23 40 46	23°20'53	25°2	8°44	9°34	10°4	23°10	17°40	29°20	7°19	13°5	10°13	11°44	8°29	12°7	F 16
S 17	23 44 43	24°19'27	10°Y10	8°8	10°48	10°29	23°20	17°47	29°21	7°17	13°4	10°8	11°41	8°36	12°5	S 17
S 18	23 48 39	25°18'03	25°0	7°25	12°2	10°53	23°30	17°54	29°21	7°15	13°4	10°5	11°38	8°42	12°2	S 18
M19	23 52 36	26°16'41	9♐25	6°35	13°16	11°16	23°39	18°1	29°22	7°14	13°3	10°D 4	11°35	8°49	11°59	M19
T 20	23 56 32	27°15'21	23°23	5°40	14°31	11°40	23°49	18°8	29°23	7°12	13°2	10°5	11°31	8°56	11°56	T 20
W21	0 0 29	28°14'04	6♐53	4°41	15°45	12°2	23°59	18°15	29°24	7°10	13°2	10°6	11°28	9°2	11°54	W21
T 22	0 4 26	29°12'49	19°58	3°38	16°59	12°25	24°9	18°22	29°25	7°9	13°1	10°7	11°25	9°9	11°51	T 22
F 23	0 8 22	0♐11'36	2♐39	2°32	18°13	12°46	24°19	18°29	29°25	7°7	13°0	10°R 8	11°22	9°16	11°48	F 23
S 24	0 12 19	1°10'25	15°3	1°26	19°28	13°8	24°30	18°36	29°26	7°6	12°59	10°7	11°19	9°23	11°46	S 24
S 25	0 16 15	2°9'17	27°12	0°20	20°42	13°28	24°40	18°43	29°26	7°4	12°58	10°4	11°16	9°29	11°43	S 25
M26	0 20 12	3°8'11	9♐12	29♐17	21°56	13°48	24°50	18°50	29°27	7°2	12°58	9°59	11°12	9°36	11°40	M26
T 27	0 24 8	4°7'07	21°6	28°18	23°10	14°8	25°1	18°57	29°27	7°1	12°57	9°54	11°9	9°43	11°38	T 27
W28	0 28 5	5°6'05	2♐57	27°25	24°25	14°27	25°12	19°4	29°28	6°59	12°56	9°47	11°6	9°49	11°35	W28
T 29	0 32 1	6°5'06	14°48	26°40	25°39	14°46	25°22	19°11	29°28	6°57	12°55	9°41	11°3	9°56	11°33	T 29
F 30	0 35 58	7♐4'08	26♐41	26♐3	26♐53	15♐4	25♐33	19♐19	29♐28	6°Y55	12♐54	9♐35	11♐0	10♐3	11♐30	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n17	5n 3	4s35	4s48	2s48	4n49	1n21	19n21	1s29	17s17	0n46	4s11	2n18	23n37	0n10	1n39	1s32	0n36	15s56	15s13	15s36	4n39	1s47	5n22	
F 2	7 56	1 4	4 4	5 14	2 57	4 19	1 20	19 27	1 28	17 19	0 46	4 13	2 18	23 37	0 10	1 38	1 32	0 35	15 56	15 10	15 36	4 37	1 49	5 22	
S 3	7 34	2s57	3 21	5 39	3 6	3 48	1 19	19 34	1 27	17 21	0 46	4 16	2 18	23 37	0 10	1 38	1 32	0 35	15 56	15 7	15 35	4 35	1 50	5 22	
S 4	7 11	6 53	2 29	6 2	3 14	3 18	1 18	19 40	1 26	17 23	0 46	4 18	2 18	23 37	0 10	1 37	1 32	0 35	15 56	15 5	15 34	4 33	1 51	5 22	
M 5	6 49	10 34	1 31	6 23	3 22	2 47	1 17	19 47	1 25	17 26	0 45	4 21	2 18	23 37	0 10	1 36	1 32	0 34	15 57	15 4	15 33	4 31	1 52	5 21	
T 6	6 27	13 52	0 27	6 41	3 29	2 17	1 16	19 53	1 24	17 28	0 45	4 23	2 18	23 37	0 10	1 36	1 32	0 34	15 57	15 4	15 32	4 29	1 53	5 21	
W 7	6 4	16 36	0n39	6 58	3 36	1 46	1 15	19 59	1 23	17 30	0 45	4 26	2 17	23 37	0 10	1 35	1 32	0 33	15 57	15 4	15 31	4 27	1 54	5 21	
T 8	5 42	18 35	1 45	7 12	3 43	1 16	1 14	20 5	1 22	17 33	0 45	4 29	2 17	23 37	0 10	1 35	1 32	0 33	15 57	15 4	15 30	4 25	1 55	5 21	
F 9	5 19	19 41	2 47	7 23	3 48	0 45	1 12	20 10	1 20	17 35	0 45	4 31	2 17	23 37	0 10	1 34	1 32	0 33	15 58	15 4	15 29	4 23	1 57	5 21	
S 10	4 56	19 43	3 42	7 32	3 53	0 14	1 11	20 16	1 19	17 38	0 45	4 34	2 17	23 37	0 10	1 33	1 32	0 32	15 58	15 4	15 28	4 20	1 58	5 21	
S 11	4 34	18 36	4 26	7 37	3 58	0s17	1 9	20 22	1 18	17 40	0 44	4 37	2 17	23 37	0 10	1 33	1 32	0 32	15 58	15 3	15 27	4 18	1 59	5 21	
M12	4 11	16 19	4 56	7 39	4 1	0 48	1 8	20 27	1 17	17 43	0 44	4 39	2 17	23 37	0 10	1 32	1 32	0 31	15 58	15 2	15 26	4 16	2 0	5 21	
T 13	3 48	12 56	5 7	7 38	4 3	1 18	1 7	20 32	1 16	17 45	0 44	4 42	2 17	23 38	0 10	1 31	1 32	0 31	15 59	15 0	15 25	4 14	2 1	5 21	
W14	3 25	8 40	4 58	7 33	4 4	1 49	1 5	20 37	1 14	17 48	0 44	4 45	2 17	23 38	0 10	1 31	1 32	0 31	15 59	14 58	15 24	4 12	2 2	5 21	
T 15	3 2	3 46	4 28	7 24	4 4	2 20	1 3	20 42	1 13	17 50	0 44	4 47	2 17	23 38	0 10	1 30	1 32	0 30	15 59	14 56	15 23	4 10	2 4	5 21	
F 16	2 39	1n22	3 39	7 10	4 2	2 51	1 2	20 47	1 12	17 53	0 43	4 50	2 17	23 38	0 10	1 29	1 32	0 30	15 59	14 53	15 22	4 8	2 5	5 20	
S 17	2 15	6 24	2 34	6 53	3 59	3 21	1 0	20 52	1 10	17 55	0 43	4 53	2 16	23 38	0 10	1 29	1 32	0 29	16 0	14 52	15 21	4 6	2 6	5 20	
S 18	1 52	10 56	1 21	6 31	3 54	3 52	0 58	20 57	1 9	17 58	0 43	4 55	2 16	23 38	0 10	1 28	1 32	0 29	16 0	14 51	15 20	4 4	2 7	5 20	
M19	1 29	14 42	0 3	6 5	3 47	4 23	0 56	21 2	1 8	18 0	0 43	4 58	2 16	23 38	0 10	1 27	1 32	0 29	16 0	14 51	15 19	4 1	2 8	5 20	
T 20	1 6	17 29	1s12	5 35	3 38	4 53	0 54	21 6	1 6	18 3	0 43	5 1	2 16	23 38	0 10	1 27	1 32	0 28	16 0	14 51	15 18	3 59	2 9	5 20	
W21	0 42	19 10	2 20	5 1	3 27	5 24	0 52	21 11	1 5	18 6	0 43	5 3	2 16	23 38	0 10	1 26	1 32	0 28	16 1	14 51	15 17	3 57	2 11	5 20	
T 22	0 19	19 46	3 19	4 25	3 14	5 54	0 50	21 15	1 3	18 8	0 42	5 6	2 16	23 38	0 10	1 25	1 32	0 27	16 1	14 52	15 16	3 55	2 12	5 20	
F 23	0s 5	19 19	4 7	3 45	2 59	6 24	0 48	21 19	1 2	18 11	0 42	5 9	2 16	23 38	0 11	1 25	1 32	0 27	16 1	14 52	15 15	3 53	2 13	5 19	
S 24	0 28	17 56	4 42	3 4	2 43	6 54	0 46	21 23	1 0	18 14	0 42	5 12	2 16	23 38	0 11	1 24	1 32	0 26	16 1	14 51	15 14	3 51	2 14	5 19	
S 25	0 51	15 47	5 3	2 21	2 26	7 24	0 44	21 28	0 59	18 16	0 42	5 14	2 16	23 38	0 11	1 23	1 32	0 26	16 1	14 51	15 13	3 49	2 15	5 19	
M26	1 15	12 58	5 11	1 39	2 7	7 54	0 42	21 32	0 57	18 19	0 42	5 17	2 16	23 38	0 11	1 23	1 32	0 26	16 2	14 49	15 12	3 47	2 16	5 19	
T 27	1 38	9 39	5 5	0 58	1 47	8 24	0 40	21 35	0 56	18 22	0 41	5 20	2 16	23 38	0 11	1 22	1 32	0 25	16 2	14 47	15 11	3 45	2 18	5 19	
W28	2 2	5 59	4 46	0 18	1 27	8 53	0 38	21 39	0 54	18 24	0 41	5 23	2 16	23 38	0 11	1 21	1 32	0 25	16 2	14 45	15 10	3 42	2 19	5 18	
T 29	2 25	2 4	4 15	0n19	1 6	9 22	0 35	21 43	0 52	18 27	0 41	5 25	2 16	23 38	0 11	1 21	1 32	0 24	16 2	14 43	15 9	3 40	2 20	5 18	
F 30	2s48	1s56	3s32	0n52	0s46	9s51	0n33	21n47	0s51	18s30	0n41	5s28	2n16	23n38	0n11	1n20	1s32	0n24	16s 2	14s42	15s 8	3n38	2s21	5n18	

ASTRODIENST EPHEMERIS for the year 1864
geocentric

OCTOBER 1864

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 55	8♌ 3'13	8♌38	25°R35	28♌ 7	15♏21	25♏44	19♏26	29♏29	6°R54	12°R53	9°R30	10♏56	10♏ 9	11°R28	S 1
S 2	0 43 51	9° 2'20	20°41	25♏17	29°22	15°38	25°55	19°33	29°29	6°V52	12♌52	9♏27	10°53	10°16	11♏25	S 2
M 3	0 47 48	10° 1'28	2♏51	25°D10	0♏36	15°54	26° 6	19°40	29°29	6°50	12°51	9°26	10°50	10°23	11°23	M 3
T 4	0 51 44	11° 0'39	15°11	25°14	1°50	16° 9	26°17	19°48	29°29	6°49	12°51	9°D26	10°47	10°30	11°20	T 4
W 5	0 55 41	11°59'52	27°41	25°28	3° 4	16°24	26°28	19°55	29°R29	6°47	12°50	9°27	10°44	10°36	11°18	W 5
T 6	0 59 37	12°59'06	10♌25	25°52	4°19	16°38	26°40	20° 2	29°29	6°45	12°49	9°28	10°41	10°43	11°16	T 6
F 7	1 3 34	13°58'23	23°26	26°25	5°33	16°52	26°51	20° 9	29°29	6°44	12°48	9°30	10°37	10°50	11°13	F 7
S 8	1 7 30	14°57'41	6♌45	27° 8	6°47	17° 4	27° 2	20°17	29°29	6°42	12°47	9°31	10°34	10°56	11°11	S 8
S 9	1 11 27	15°57'01	20°25	27°59	8° 1	17°16	27°14	20°24	29°29	6°41	12°46	9°R31	10°31	11° 3	11° 9	S 9
M10	1 15 23	16°56'22	4♌27	28°58	9°15	17°28	27°26	20°31	29°28	6°39	12°45	9°30	10°28	11°10	11° 7	M10
T 11	1 19 20	17°55'46	18°50	0♌ 4	10°30	17°39	27°37	20°39	29°28	6°37	12°44	9°28	10°25	11°16	11° 5	T 11
W12	1 23 17	18°55'11	3♌30	1°15	11°44	17°48	27°49	20°46	29°28	6°36	12°43	9°26	10°22	11°23	11° 2	W12
T 13	1 27 13	19°54'38	18°24	2°32	12°58	17°58	28° 1	20°53	29°27	6°34	12°42	9°23	10°18	11°30	11° 0	T 13
F 14	1 31 10	20°54'06	3♏22	3°54	14°12	18° 6	28°13	21° 1	29°27	6°32	12°41	9°21	10°15	11°37	10°58	F 14
S 15	1 35 6	21°53'37	18°17	5°19	15°26	18°14	28°25	21° 8	29°26	6°31	12°40	9°19	10°12	11°43	10°56	S 15
S 16	1 39 3	22°53'10	3♌ 1	6°48	16°40	18°21	28°37	21°15	29°26	6°29	12°39	9°D18	10° 9	11°50	10°54	S 16
M17	1 42 59	23°52'45	17°26	8°19	17°55	18°27	28°49	21°23	29°25	6°28	12°38	9°18	10° 6	11°57	10°53	M17
T 18	1 46 56	24°52'22	1♏28	9°53	19° 9	18°32	29° 1	21°30	29°25	6°26	12°37	9°19	10° 2	12° 3	10°51	T 18
W19	1 50 52	25°52'01	15° 4	11°28	20°23	18°37	29°13	21°37	29°24	6°25	12°35	9°20	9°59	12°10	10°49	W19
T 20	1 54 49	26°51'42	28° 14	13° 5	21°37	18°41	29°25	21°45	29°23	6°23	12°34	9°21	9°56	12°17	10°47	T 20
F 21	1 58 46	27°51'26	11♌ 2	14°44	22°51	18°44	29°37	21°52	29°22	6°21	12°33	9°22	9°53	12°24	10°45	F 21
S 22	2 2 42	28°51'12	23°29	16°23	24° 5	18°46	29°50	21°59	29°21	6°20	12°32	9°R23	9°50	12°30	10°44	S 22
S 23	2 6 39	29°51'00	5♏40	18° 2	25°19	18°47	0♌ 2	22° 6	29°21	6°18	12°31	9°23	9°47	12°37	10°42	S 23
M24	2 10 35	0♏50'51	17°40	19°42	26°33	18°R47	0°15	22°14	29°20	6°17	12°30	9°22	9°43	12°44	10°41	M24
T 25	2 14 32	1°50'44	29°33	21°23	27°47	18°47	0°27	22°21	29°19	6°15	12°29	9°21	9°40	12°50	10°39	T 25
W26	2 18 28	2°50'38	11♏24	23° 3	29° 1	18°45	0°40	22°28	29°18	6°14	12°28	9°21	9°37	12°57	10°38	W26
T 27	2 22 25	3°50'35	23°16	24°44	0♌16	18°43	0°52	22°35	29°16	6°13	12°27	9°20	9°34	13° 4	10°36	T 27
F 28	2 26 21	4°50'34	5♌13	26°24	1°30	18°40	1° 5	22°43	29°15	6°11	12°26	9°19	9°31	13°10	10°35	F 28
S 29	2 30 18	5°50'35	17°17	28° 4	2°44	18°36	1°18	22°50	29°14	6°10	12°24	9°19	9°27	13°17	10°34	S 29
S 30	2 34 15	6°50'38	29°30	29°44	3°58	18°31	1°30	22°57	29°13	6° 8	12°23	9°18	9°24	13°24	10°32	S 30
M31	2 38 11	7♏50'43	11♏55	1♏24	5♌12	18♏25	1♌43	23♌ 4	29♏12	6°V 7	12♌22	9°D18	9♏21	13♏31	10♌31	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	3s12	5s53	2s41	1n21	0s26	10s20	0n31	21n50	0s49	18s33	0n41	5s31	2n16	23n38	0n11	1n19
S 2	3 35	9 38	1 41	1 46	0 8	10 49	0 28	21 54	0 47	18 35	0 41	5 34	2 16	23 38	0 11	1 19
M 3	3 58	13 2	0 36	2 5	0n10	11 17	0 26	21 57	0 45	18 38	0 41	5 36	2 16	23 38	0 11	1 18
T 4	4 22	15 54	0n32	2 19	0 27	11 45	0 23	22 1	0 43	18 41	0 40	5 39	2 16	23 38	0 11	1 17
W 5	4 45	18 3	1 39	2 28	0 43	12 13	0 21	22 4	0 42	18 44	0 40	5 42	2 16	23 38	0 11	1 17
T 6	5 8	19 21	2 42	2 31	0 57	12 41	0 18	22 8	0 40	18 46	0 40	5 45	2 16	23 38	0 11	1 16
F 7	5 31	19 39	3 39	2 29	1 9	13 8	0 16	22 11	0 38	18 49	0 40	5 47	2 16	23 38	0 11	1 16
S 8	5 54	18 52	4 25	2 22	1 20	13 35	0 13	22 14	0 36	18 52	0 40	5 50	2 16	23 38	0 11	1 15
S 9	6 17	17 0	4 58	2 11	1 30	14 2	0 11	22 17	0 34	18 55	0 40	5 53	2 16	23 38	0 11	1 14
M10	6 40	14 5	5 14	1 55	1 38	14 28	0 8	22 20	0 32	18 57	0 39	5 56	2 15	23 38	0 11	1 14
T 11	7 2	10 16	5 11	1 35	1 45	14 54	0 5	22 23	0 30	19 0	0 39	5 58	2 15	23 38	0 11	1 13
W12	7 25	5 45	4 48	1 12	1 51	15 19	0 3	22 26	0 27	19 3	0 39	6 1	2 15	23 38	0 11	1 12
T 13	7 47	0 50	4 5	0 45	1 55	15 44	0s 0	22 29	0 25	19 6	0 39	6 4	2 15	23 38	0 11	1 12
F 14	8 10	4n11	3 6	0 15	1 58	16 9	0 3	22 32	0 23	19 9	0 39	6 7	2 15	23 38	0 11	1 11
S 15	8 32	8 56	1 54	0s17	2 0	16 34	0 5	22 35	0 21	19 11	0 39	6 9	2 16	23 38	0 11	1 10
S 16	8 54	13 4	0 35	0 51	2 1	16 58	0 8	22 38	0 18	19 14	0 39	6 12	2 16	23 38	0 11	1 10
M17	9 16	16 20	0s45	1 27	2 1	17 21	0 11	22 41	0 16	19 17	0 39	6 15	2 16	23 38	0 11	1 9
T 18	9 38	18 31	2 0	2 4	2 1	17 44	0 14	22 44	0 14	19 20	0 38	6 18	2 16	23 38	0 11	1 9
W19	10 0	19 33	3 5	2 43	1 59	18 7	0 16	22 47	0 11	19 22	0 38	6 20	2 16	23 38	0 11	1 8
T 20	10 22	19 28	3 59	3 22	1 57	18 29	0 19	22 49	0 9	19 25	0 38	6 23	2 16	23 38	0 11	1 7
F 21	10 43	18 22	4 39	4 3	1 54	18 51	0 22	22 52	0 6	19 28	0 38	6 26	2 16	23 38	0 11	1 7
S 22	11 4	16 24	5 5	4 44	1 51	19 12	0 25	22 55	0 4	19 31	0 38	6 28	2 16	23 38	0 11	1 6
S 23	11 26	13 45	5 16	5 26	1 47	19 33	0 27	22 57	0 1	19 33	0 38	6 31	2 16	23 38	0 11	1 6
M24	11 47	10 34	5 14	6 7	1 43	19 53	0 30	23 0	0n 1	19 36	0 38	6 34	2 16	23 38	0 11	1 5
T 25	12 7	6 59	4 58	6 49	1 39	20 13	0 33	23 3	0 4	19 39	0 37	6 36	2 16	23 38	0 11	1 4
W26	12 28	3 9	4 29	7 31	1 34	20 32	0 35	23 5	0 6	19 42	0 37	6 39	2 16	23 38	0 11	1 4
T 27	12 48	0s49	3 49	8 13	1 28	20 50	0 38	23 8	0 9	19 44	0 37	6 42	2 16	23 38	0 11	1 3
F 28	13 9	4 48	2 58	8 54	1 23	21 8	0 41	23 10	0 12	19 47	0 37	6 44	2 16	23 38	0 11	1 3
S 29	13 29	8 38	1 59	9 36	1 17	21 26	0 44	23 13	0 15	19 50	0 37	6 47	2 16	23 38	0 11	1 2
S 30	13 48	12 9	0 54	10 17	1 11	21 43	0 46	23 15	0 18	19 52	0 37	6 49	2 16	23 38	0 11	1 2
M31	14s 8	15s12	0n15	10s57	1n 5	21s59	0s49	23n17	0n20	19s55	0n37	6s52	2n16	23n38	0n11	1n 1

Julian Day Number = 2402145.5, Delta T = 8.38 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°51'06, Lahiri = 21°58'06

ASTRODIENST EPHEMERIS for the year 1864
geocentric

NOVEMBER 1864

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 42 8	8♍50°50	24♍33	3♍ 3	6♌26	18°R18	1♌56	23♏11	29°R10	6°R 6	12°R21	9°R18	9♍18	13♎37	10°R30	T 1
W 2	2 46 4	9°50°59	7♌23	4°42	7°40	18♏10	2° 9	23°19	29♏ 9	6°Y 4	12♏20	9♍18	9°15	13°44	10♌29	W 2
T 3	2 50 1	10°51°09	20°26	6°21	8°54	18° 2	2°22	23°26	29° 7	6° 3	12°19	9°18	9°12	13°51	10°28	T 3
F 4	2 53 57	11°51°22	3♌43	8° 0	10° 8	17°52	2°35	23°33	29° 6	6° 2	12°18	9°18	9° 8	13°57	10°27	F 4
S 5	2 57 54	12°51°35	17°14	9°38	11°22	17°42	2°48	23°40	29° 4	6° 0	12°17	9°18	9° 5	14° 4	10°26	S 5
S 6	3 1 50	13°51°50	0♌58	11°15	12°36	17°31	3° 1	23°47	29° 3	5°59	12°15	9°17	9° 2	14°11	10°25	S 6
M 7	3 5 47	14°52°07	14°56	12°52	13°50	17°19	3°14	23°54	29° 1	5°58	12°14	9°D17	8°59	14°17	10°24	M 7
T 8	3 9 44	15°52°25	29° 6	14°29	15° 4	17° 6	3°27	24° 1	29° 0	5°57	12°13	9°17	8°56	14°24	10°23	T 8
W 9	3 13 40	16°52°44	13♌26	16° 6	16°18	16°52	3°40	24° 8	28°58	5°56	12°12	9°18	8°53	14°31	10°23	W 9
T 10	3 17 37	17°53°05	27°53	17°42	17°32	16°38	3°53	24°15	28°56	5°54	12°11	9°19	8°49	14°37	10°22	T 10
F 11	3 21 33	18°53°27	12♌24	19°18	18°45	16°23	4° 6	24°22	28°54	5°53	12°10	9°19	8°46	14°44	10°21	F 11
S 12	3 25 30	19°53°51	26°53	20°54	19°59	16° 7	4°19	24°28	28°53	5°52	12° 9	9°20	8°43	14°51	10°21	S 12
S 13	3 29 26	20°54°16	11♌15	22°29	21°13	15°50	4°33	24°35	28°51	5°51	12° 8	9°R20	8°40	14°58	10°20	S 13
M14	3 33 23	21°54°43	25°25	24° 4	22°27	15°33	4°46	24°42	28°49	5°50	12° 7	9°20	8°37	15° 4	10°20	M14
T 15	3 37 19	22°55°11	9♏19	25°39	23°41	15°15	4°59	24°49	28°47	5°49	12° 5	9°19	8°33	15°11	10°20	T 15
W16	3 41 16	23°55°42	22°52	27°13	24°55	14°56	5°13	24°56	28°45	5°48	12° 4	9°17	8°30	15°18	10°19	W16
T 17	3 45 13	24°56°13	6♏ 3	28°47	26° 8	14°37	5°26	25° 2	28°43	5°47	12° 3	9°15	8°27	15°24	10°19	T 17
F 18	3 49 9	25°56°47	18°54	0♌21	27°22	14°17	5°39	25° 9	28°41	5°46	12° 2	9°12	8°24	15°31	10°19	F 18
S 19	3 53 6	26°57°22	1♏24	1°55	28°36	13°57	5°53	25°16	28°39	5°45	12° 1	9°10	8°21	15°38	10°19	S 19
S 20	3 57 2	27°57°59	13°38	3°29	29°50	13°36	6° 6	25°22	28°37	5°44	12° 0	9° 9	8°18	15°44	10°19	S 20
M21	4 0 59	28°58°38	25°40	5° 2	1♌ 3	13°15	6°19	25°29	28°35	5°44	11°59	9°D 8	8°14	15°51	10°D19	M21
T 22	4 4 55	29°59°18	7♎34	6°36	2°17	12°53	6°33	25°35	28°33	5°43	11°58	9° 8	8°11	15°58	10°19	T 22
W23	4 8 52	1♌ 0°00	19°24	8° 9	3°31	12°31	6°46	25°42	28°30	5°42	11°57	9° 9	8° 8	16° 5	10°19	W23
T 24	4 12 48	2° 0°43	1♏17	9°42	4°44	12° 9	7° 0	25°48	28°28	5°41	11°56	9°11	8° 5	16°11	10°19	T 24
F 25	4 16 45	3° 1°29	13°15	11°15	5°58	11°46	7°13	25°54	28°26	5°40	11°55	9°12	8° 2	16°18	10°19	F 25
S 26	4 20 42	4° 2°15	25°25	12°48	7°12	11°23	7°27	26° 1	28°24	5°40	11°54	9°14	7°59	16°25	10°19	S 26
S 27	4 24 38	5° 3°03	7♍48	14°20	8°25	11° 1	7°40	26° 7	28°21	5°39	11°53	9°R15	7°55	16°31	10°20	S 27
M28	4 28 35	6° 3°53	20°27	15°53	9°39	10°37	7°53	26°13	28°19	5°38	11°52	9°14	7°52	16°38	10°20	M28
T 29	4 32 31	7° 4°44	3♌24	17°26	10°52	10°14	8° 7	26°19	28°17	5°38	11°51	9°12	7°49	16°45	10°21	T 29
W30	4 36 28	8♌ 5°36	16♌38	18♌58	12♌ 6	9♏15	8♌20	26♏25	28♏14	5°Y37	11♏50	9♍ 9	7♍46	16♎51	10♌21	W30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s27	17s34	1n24	11s37	0n59	22s15	0s52	23n19	0n23	19s58	0n37	6s55	2n16	23n38	0n11	1n 1	1s32	0n12	16s 5	14s36	14s36	2n31	2s52	5n 9	
W 2	14 47	19 6	2 30	12 17	0 52	22 30	0 54	23 22	0 26	20 0	0 37	6 57	2 16	23 38	0 11	1 0	1 32	0 12	16 5	14 36	14 35	2 29	2 52	5 9	
T 3	15 5	19 38	3 29	12 56	0 46	22 44	0 57	23 24	0 29	20 3	0 36	7 0	2 16	23 38	0 11	1 0	1 32	0 11	16 5	14 36	14 34	2 27	2 53	5 9	
F 4	15 24	19 6	4 18	13 34	0 39	22 58	0 59	23 26	0 32	20 6	0 36	7 2	2 16	23 38	0 11	0 59	1 32	0 11	16 5	14 36	14 33	2 25	2 54	5 8	
S 5	15 42	17 29	4 54	14 12	0 32	23 11	1 2	23 28	0 35	20 8	0 36	7 5	2 16	23 38	0 11	0 59	1 32	0 11	16 5	14 36	14 32	2 23	2 54	5 8	
S 6	16 1	14 51	5 14	14 49	0 26	23 23	1 4	23 30	0 38	20 11	0 36	7 7	2 16	23 38	0 11	0 58	1 32	0 10	16 5	14 36	14 31	2 21	2 55	5 8	
M 7	16 18	11 20	5 16	15 25	0 19	23 35	1 7	23 32	0 41	20 14	0 36	7 10	2 17	23 38	0 11	0 58	1 32	0 10	16 5	14 36	14 30	2 18	2 56	5 7	
T 8	16 36	7 8	4 59	16 0	0 12	23 46	1 9	23 34	0 44	20 16	0 36	7 12	2 17	23 38	0 11	0 57	1 32	0 10	16 5	14 36	14 29	2 16	2 56	5 7	
W 9	16 53	2 28	4 23	16 35	0 5	23 56	1 12	23 35	0 47	20 19	0 36	7 15	2 17	23 38	0 11	0 57	1 32	0 10	16 5	14 36	14 28	2 14	2 57	5 7	
T 10	17 10	2n22	3 30	17 9	0s 1	24 6	1 14	23 37	0 50	20 21	0 36	7 17	2 17	23 38	0 11	0 57	1 32	0 9	16 5	14 36	14 27	2 12	2 57	5 6	
F 11	17 27	7 7	2 24	17 42	0 8	24 15	1 16	23 38	0 53	20 24	0 36	7 20	2 17	23 38	0 11	0 56	1 32	0 9	16 5	14 37	14 26	2 10	2 58	5 6	
S 12	17 43	11 26	1 9	18 14	0 15	24 23	1 19	23 40	0 56	20 26	0 36	7 22	2 17	23 38	0 11	0 56	1 32	0 9	16 5	14 37	14 25	2 8	2 58	5 6	
S 13	18 0	15 3	0s11	18 45	0 21	24 31	1 21	23 41	0 59	20 29	0 35	7 24	2 17	23 38	0 11	0 55	1 32	0 8	16 5	14 37	14 24	2 6	2 59	5 5	
M14	18 15	17 42	1 28	19 15	0 28	24 37	1 23	23 42	1 2	20 31	0 35	7 27	2 17	23 38	0 11	0 55	1 32	0 8	16 5	14 37	14 23	2 4	2 59	5 5	
T 15	18 31	19 15	2 38	19 44	0 34	24 44	1 25	23 43	1 6	20 34	0 35	7 29	2 17	23 38	0 11	0 55	1 32	0 8	16 5	14 36	14 22	2 2	3 0	5 5	
W16	18 46	19 38	3 38	20 13	0 41	24 49	1 28	23 44	1 9	20 36	0 35	7 32	2 17	23 38	0 11	0 54	1 32	0 8	16 4	14 36	14 21	2 0	3 0	5 4	
T 17	19 1	18 55	4 25	20 40	0 47	24 53	1 30	23 45	1 12	20 39	0 35	7 34	2 18	23 38	0 12	0 54	1 32	0 8	16 4	14 35	14 20	1 58	3 1	5 4	
F 18	19 15	17 14	4 56	21 6	0 53	24 57	1 32	23 46	1 15	20 41	0 35	7 36	2 18	23 38	0 12	0 53	1 32	0 7	16 4	14 34	14 19	1 55	3 1	5 4	
S 19	19 29	14 46	5 13	21 32	0 59	25 0	1 34	23 46	1 18	20 44	0 35	7 38	2 18	23 38	0 12	0 53	1 32	0 7	16 4	14 34	14 18	1 53	3 1	5 3	
S 20	19 43	11 43	5 15	21 56	1 5	25 3	1 36	23 47	1 21	20 46	0 35	7 41	2 18	23 38	0 12	0 53	1 32	0 7	16 4	14 33	14 17	1 51	3 2	5 3	
M21	19 57	8 13	5 3	22 19	1 11	25 4	1 37	23 47	1 24	20 49	0 35	7 43	2 18	23 38	0 12	0 53	1 32	0 7	16 4	14 33	14 16	1 49	3 2	5 3	
T 22	20 10	4 26	4 38	22 41	1 17	25 5	1 39	23 47	1 27	20 51	0 35	7 45	2 18	23 38	0 12	0 52	1 31	0 7	16 4	14 33	14 15	1 47	3 2	5 2	
W23	20 22	0 30	4 1	23 2	1 22	25 5	1 41	23 47	1 30	20 53	0 34	7 47	2 18	23 38	0 12	0 52	1 31	0 6	16 4	14 33	14 14	1 45	3 3	5 2	
T 24	20 35	3s29	3 14	23 22	1 28	25 5	1 43	23 47	1 32	20 56	0 34	7 50	2 18	23 38	0 12	0 52	1 31	0 6	16 4	14 34	14 13	1 43	3 3	5 1	
F 25	20 47	7 22	2 18	23 40	1 33	25 3	1 44	23 47	1 35	20 58	0 34	7 52	2 18	23 38	0 12	0 51	1 31	0 6	16 3	14 34	14 12	1 41	3 3	5 1	
S 26	20 58	11 0	1 15	23 58	1 38	25 1	1 46	23 47	1 38	21 0	0 34	7 54	2 19	23 38	0 12	0 51	1 31	0 6	16 3	14 35	14 11	1 39	3 3	5 1	
S 27	21 9	14 15	0 8	24 14	1 42	24 58	1 47	23 46	1 41	21 2	0 34	7 56	2 19	23 38	0 12	0 51	1 31	0 6	16 3	14 35	14 10	1 37	3 4	5 0	
M28	21 20	16 53	1n 1	24 29	1 47	24 55	1 49	23 46	1 43	21 5	0 34	7 58	2 19	23 38	0 12	0 51	1 31	0 6	16 3	14 35	14 9	1 35	3 4	5 0	
T 29	21 30	18 45	2 9	24 42	1 51	24 50	1 50	23 45	1 46	21 7	0 34	8 0	2 19	23 38	0 12	0 51	1 31	0 5	16 3	14 34	14 8	1 33	3 4	5 0	
W30	21s40	19s37	3n11	24s55	1s55	24s45	1s51	23n44	1n49	21s 9	0n34	8s 2	2n19	23n38	0n12	0n50	1s31	0n 5	16s 3	14s33	14s 6	1n31	3s 4	4n5	

ASTRODIENST EPHEMERIS for the year 1864
geocentric

DECEMBER 1864

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 40 24	9♊ 6'29	0♋ 8	20♌30	13♍20	9♎R28	8♏34	26♐31	28♑R12	5♒R37	11♓R49	9♎R 4	7♎L43	16♏58	10♐22	T 1
F 2	4 44 21	10° 7'23	13°51	22° 2	14°33	9♎ 5	8°47	26°37	28♎10	5♏36	11♐48	8♎59	7°39	17° 5	10°22	F 2
S 3	4 48 17	11° 8'18	27°46	23°34	15°46	8°43	9° 1	26°43	28° 7	5°36	11°47	8°54	7°36	17°11	10°23	S 3
S 4	4 52 14	12° 9'14	11♌48	25° 6	17° 0	8°20	9°14	26°49	28° 5	5°35	11°46	8°50	7°33	17°18	10°24	S 4
M 5	4 56 11	13°10'11	25°54	26°37	18°13	7°58	9°28	26°55	28° 2	5°35	11°45	8°47	7°30	17°25	10°25	M 5
T 6	5 0 7	14°11'08	10♌ 3	28° 9	19°27	7°36	9°41	27° 1	28° 0	5°34	11°44	8°D46	7°27	17°32	10°26	T 6
W 7	5 4 4	15°12'06	24°12	29°40	20°40	7°14	9°55	27° 7	27°57	5°34	11°43	8°46	7°24	17°38	10°26	W 7
T 8	5 8 0	16°13'04	8♏19	1♋10	21°53	6°53	10° 8	27°12	27°55	5°34	11°42	8°47	7°20	17°45	10°27	T 8
F 9	5 11 57	17°14'03	22°24	2°40	23° 6	6°32	10°22	27°18	27°52	5°33	11°41	8°49	7°17	17°52	10°29	F 9
S 10	5 15 53	18°15'03	6♋24	4°10	24°20	6°12	10°35	27°23	27°50	5°33	11°40	8°R50	7°14	17°58	10°30	S 10
S 11	5 19 50	19°16'03	20°18	5°39	25°33	5°52	10°49	27°29	27°47	5°33	11°39	8°49	7°11	18° 5	10°31	S 11
M12	5 23 46	20°17'04	4♎ 2	7° 7	26°46	5°33	11° 2	27°34	27°45	5°33	11°38	8°47	7° 8	18°12	10°32	M12
T 13	5 27 43	21°18'06	17°35	8°35	27°59	5°15	11°15	27°39	27°42	5°33	11°38	8°42	7° 5	18°18	10°33	T 13
W14	5 31 40	22°19'08	0♋54	10° 1	29°12	4°57	11°29	27°45	27°40	5°33	11°37	8°35	7° 1	18°25	10°35	W14
T 15	5 35 36	23°20'11	13°56	11°26	0♌25	4°39	11°42	27°50	27°37	5°33	11°36	8°27	6°58	18°32	10°36	T 15
F 16	5 39 33	24°21'15	26°42	12°49	1°38	4°23	11°55	27°55	27°35	5°33	11°35	8°19	6°55	18°38	10°37	F 16
S 17	5 43 29	25°22'20	9♎11	14°11	2°50	4° 7	12° 9	28° 0	27°32	5°D32	11°34	8°10	6°52	18°45	10°39	S 17
S 18	5 47 26	26°23'25	21°25	15°30	4° 3	3°52	12°22	28° 5	27°29	5°33	11°34	8° 3	6°49	18°52	10°40	S 18
M19	5 51 22	27°24'31	3♏27	16°47	5°16	3°37	12°35	28°10	27°27	5°33	11°33	7°58	6°45	18°59	10°42	M19
T 20	5 55 19	28°25'37	15°21	18° 2	6°29	3°23	12°49	28°15	27°24	5°33	11°32	7°55	6°42	19° 5	10°44	T 20
W21	5 59 15	29°26'45	27°10	19°12	7°41	3°10	13° 2	28°19	27°22	5°33	11°31	7°D53	6°39	19°12	10°45	W21
T 22	6 3 12	0♋27'53	9♎ 2	20°19	8°54	2°58	13°15	28°24	27°19	5°33	11°31	7°54	6°36	19°19	10°47	T 22
F 23	6 7 9	1°29'02	21° 0	21°21	10° 6	2°47	13°28	28°29	27°16	5°33	11°30	7°55	6°33	19°25	10°49	F 23
S 24	6 11 5	2°30'11	3♎10	22°18	11°19	2°36	13°41	28°33	27°14	5°33	11°29	7°R56	6°30	19°32	10°51	S 24
S 25	6 15 2	3°31'21	15°36	23° 9	12°31	2°26	13°55	28°37	27°11	5°34	11°29	7°56	6°26	19°39	10°53	S 25
M26	6 18 58	4°32'31	28°24	23°52	13°44	2°17	14° 8	28°42	27° 9	5°34	11°28	7°53	6°23	19°45	10°55	M26
T 27	6 22 55	5°33'42	11♌34	24°28	14°56	2° 9	14°21	28°46	27° 6	5°34	11°28	7°49	6°20	19°52	10°57	T 27
W28	6 26 51	6°34'53	25° 7	24°56	16° 8	2° 2	14°34	28°50	27° 4	5°35	11°27	7°42	6°17	19°59	10°59	W28
T 29	6 30 48	7°36'05	9♋ 2	25°13	17°20	1°55	14°47	28°54	27° 1	5°35	11°26	7°32	6°14	20° 5	11° 1	T 29
F 30	6 34 44	8°37'16	23°14	25°R20	18°32	1°49	15° 0	28°58	26°59	5°36	11°26	7°22	6°11	20°12	11° 3	F 30
S 31	6 38 41	9♋38'28	7♌39	25♋16	19♌44	1♎45	15♏13	29♎ 2	26♎56	5♏36	11♐25	7♎12	6♎ 7	20♏19	11♐ 5	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	lat	
T 1	21s50	19s24	4n 3	25s 5	1s59	24s39	1s53	23n43	1n51	21s11	0n34	8s 4	2n19	23n38	0n12	0n50	1s31	0n 5	16s 2	14s32	14s 5	1n28	3s 4	4n59	
F 2	21 59	18 3	4 43	25 15	2 2	24 33	1 54	23 42	1 54	21 14	0 34	8 6	2 20	23 38	0 12	0 50	1 31	0 5	16 2	14 30	14 4	1 26	3 4	4 59	
S 3	22 8	15 37	5 6	25 23	2 6	24 25	1 55	23 41	1 56	21 16	0 34	8 8	2 20	23 38	0 12	0 50	1 31	0 5	16 2	14 29	14 3	1 24	3 4	4 58	
S 4	22 16	12 16	5 12	25 30	2 8	24 17	1 56	23 39	1 58	21 18	0 34	8 10	2 20	23 38	0 12	0 50	1 31	0 5	16 2	14 27	14 2	1 22	3 4	4 58	
M 5	22 24	8 13	4 58	25 36	2 11	24 8	1 57	23 38	2 1	21 20	0 34	8 12	2 20	23 38	0 12	0 50	1 31	0 5	16 2	14 26	14 1	1 20	3 4	4 58	
T 6	22 31	3 41	4 27	25 40	2 13	23 59	1 57	23 37	2 3	21 22	0 33	8 14	2 20	23 38	0 12	0 49	1 31	0 5	16 2	14 26	14 0	1 18	3 4	4 57	
W 7	22 38	1n 3	3 39	25 42	2 15	23 49	1 58	23 35	2 5	21 24	0 33	8 16	2 20	23 38	0 12	0 49	1 31	0 5	16 1	14 26	13 59	1 16	3 4	4 57	
T 8	22 44	5 44	2 38	25 43	2 16	23 38	1 59	23 33	2 7	21 26	0 33	8 18	2 21	23 38	0 12	0 49	1 31	0 5	16 1	14 26	13 58	1 14	3 4	4 57	
F 9	22 50	10 5	1 28	25 43	2 17	23 26	1 59	23 32	2 9	21 28	0 33	8 20	2 21	23 38	0 12	0 49	1 31	0 5	16 1	14 27	13 57	1 12	3 4	4 56	
S 10	22 56	13 52	0 13	25 41	2 18	23 14	2 0	23 30	2 11	21 30	0 33	8 21	2 21	23 38	0 12	0 49	1 31	0 5	16 1	14 27	13 56	1 10	3 4	4 56	
S 11	23 1	16 50	1s 2	25 38	2 18	23 1	2 0	23 28	2 12	21 32	0 33	8 23	2 21	23 38	0 12	0 49	1 31	0 4	16 0	14 27	13 55	1 8	3 4	4 56	
M12	23 6	18 48	2 12	25 33	2 17	22 47	2 1	23 27	2 14	21 34	0 33	8 25	2 21	23 38	0 12	0 49	1 31	0 4	16 0	14 26	13 54	1 6	3 4	4 55	
T 13	23 10	19 39	3 14	25 27	2 16	22 33	2 1	23 25	2 16	21 36	0 33	8 27	2 21	23 38	0 12	0 49	1 31	0 4	16 0	14 25	13 53	1 4	3 4	4 55	
W14	23 14	19 23	4 4	25 19	2 15	22 18	2 1	23 23	2 17	21 38	0 33	8 28	2 22	23 38	0 12	0 49	1 31	0 4	16 0	14 22	13 52	1 2	3 4	4 55	
T 15	23 17	18 5	4 40	25 10	2 12	22 3	2 1	23 21	2 19	21 40	0 33	8 30	2 22	23 38	0 12	0 49	1 30	0 4	16 0	14 20	13 51	0 59	3 3	4 54	
F 16	23 20	15 54	5 2	24 59	2 9	21 47	2 1	23 20	2 20	21 42	0 33	8 32	2 22	23 38	0 12	0 49	1 30	0 4	15 59	14 17	13 50	0 57	3 3	4 54	
S 17	23 22	13 1	5 8	24 47	2 6	21 30	2 1	23 18	2 22	21 43	0 33	8 33	2 22	23 38	0 12	0 49	1 30	0 4	15 59	14 14	13 49	0 55	3 3	4 54	
S 18	23 24	9 38	5 0	24 33	2 1	21 13	2 1	23 16	2 23	21 45	0 33	8 35	2 22	23 38	0 12	0 49	1 30	0 4	15 59	14 12	13 48	0 53	3 3	4 53	
M19	23 26	5 55	4 38	24 19	1 56	20 55	2 0	23 15	2 24	21 47	0 33	8 36	2 23	23 38	0 12	0 49	1 30	0 5	15 59	14 10	13 47	0 51	3 2	4 53	
T 20	23 27	2 1	4 5	24 3	1 50	20 36	2 0	23 13	2 25	21 49	0 33	8 38	2 23	23 38	0 12	0 49	1 30	0 5	15 58	14 9	13 46	0 49	3	2	4 53
W21	23 27	1s57	3 21	23 46	1 42	20 17	2 0	23 12	2 26	21 50	0 32	8 39	2 23	23 38	0 12	0 49	1 30	0 5	15 58	14 9	13 45	0 47	3 2	4 52	
T 22	23 27	5 52	2 29	23 28	1 34	19 57	1 59	23 10	2 27	21 52	0 32	8 41	2 23	23 38	0 12	0 50	1 30	0 5	15 58	14 9	13 44	0 45	3 1	4 52	
F 23	23 27	9 35	1 30	23 10	1 25	19 37	1 58	23 9	2 28	21 54	0 32	8 42	2 23	23 38	0 12	0 50	1 30	0 5	15 57	14 9	13 43	0 43	3 1	4 52	
S 24	23 26	12 59	0 26	22 50	1 15	19 17	1 57	23 8	2 29	21 55	0 32	8 44	2 24	23 38	0 12	0 50	1 30	0 5	15 57	14 10	13 42	0 41	3 0	4 51	
S 25	23 24	15 52	0n41	22 31	1 4	18 55	1 57	23 6	2 30	21 57	0 32	8 45	2 24	23 37	0 12	0 50	1 30	0 5	15 57	14 10	13 41	0 39	3 0	4 51	
M26	23 23	18 4	1 47	22 11	0 51	18 34	1 56	23 5	2 30	21 59	0 32	8 46	2 24	23 37	0 12	0 50	1 30	0 5	15 57	14 9	13 39	0 37	3 0	4 51	
T 27	23 20	19 23	2 50	21 51	0 37	18 11	1 55	23 4	2 31	22 0	0 32	8 48	2 24	23 37	0 12	0 50	1 30	0 5	15 56	14 7	13 38	0 35	2 59	4 50	
W28	23 17	19 37	3 45	21 32	0 22	17 49	1 53	23 3	2 32	22 2	0 32	8 49	2 25	23 37	0 12	0 51	1 30	0 5	15 56	14 5	13 37	0 33	2 59	4 50	
T 29	23 14	18 42	4 27	21 13	0 6	17 26	1 52	23 3	2 32	22 3	0 32	8 50	2 25	23 37	0 12	0 51	1 30	0 5	15 56	14 2	13 36	0 31	2 58	4 50	
F 30	23 10	16 37	4 54	20 55	0n11	17 2	1 51	23 2	2 33	22 5	0 32	8 51	2 25	23 37	0 12	0 51	1 30	0 5	15 55	13 59	13 35	0 29	2 58	4 49	
S 31	23s 6	13s29	5n 4	20s38	0n29	16s38	1s49	23n 1	2n33	22s 6	0n32	8s52	2n25	23n37	0n12	0n51	1s30	0n 6	15s55	13s55	13s34	0n27	2s57	4n49	

Julian Day Number = 2402206.5, Delta T = 8.28 sec
Ecliptic obliquity = 23°27'17", Nutation = 0°00'10", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°51'14", Lahiri = 21°58'15"